

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111318\
 Data File : VF060710.D
 Acq On : 13 Nov 2018 13:04
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

sam
 11/14/2018 11:53:41 AM

Quant Time: Nov 14 02:59:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 02:40:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	209845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.62	114	368746	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	319084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	179861	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	118335	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	4.13	113	129753	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
50) Toluene-d8	7.57	98	347930	43.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.94%	
62) 4-Bromofluorobenzene	11.42	95	168016	44.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	196165	52.234	ug/l	100
3) Chloromethane	1.12	50	122043	52.400	ug/l	100
4) Vinyl Chloride	1.15	62	110948	53.251	ug/l	100
5) Bromomethane	1.34	94	73352	55.424	ug/l	100
6) Chloroethane	1.39	64	50114	61.477	ug/l	100
7) Trichlorofluoromethane	1.51	101	259988m	56.394	ug/l	
8) Diethyl Ether	1.63	74	31970	54.158	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.84	101	115013	52.973	ug/l	100
10) Methyl Iodide	1.91	142	182479m	54.641	ug/l	
11) Tert butyl alcohol	2.58	59	29148	267.581	ug/l	100
12) 1,1-Dichloroethene	1.79	96	86182	50.340	ug/l	100
13) Acrolein	2.01	56	23411	235.047	ug/l	100
14) Allyl chloride	2.11	41	153583	51.208	ug/l	100
15) Acrylonitrile	2.95	53	61155	263.465	ug/l	100
16) Acetone	2.25	43	148716	290.688	ug/l	100
17) Carbon Disulfide	1.85	76	272320m	52.664	ug/l	
18) Methyl Acetate	2.35	43	43825	48.017	ug/l	100
19) Methyl tert-butyl Ether	2.44	73	218318	53.156	ug/l	100
20) Methylene Chloride	2.20	84	89540m	46.276	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	98850	55.265	ug/l	100
22) Diisopropyl ether	2.81	45	306401	52.916	ug/l	100
23) Vinyl Acetate	3.20	43	756124	277.306	ug/l	100
24) 1,1-Dichloroethane	2.89	63	179948	51.332	ug/l	100
25) 2-Butanone	4.35	43	222749	264.706	ug/l	100
26) 2,2-Dichloropropane	3.62	77	142433	51.632	ug/l	100
27) cis-1,2-Dichloroethene	3.49	96	160834	52.858	ug/l	100
28) Bromochloromethane	3.73	49	93309	51.217	ug/l	100
29) Tetrahydrofuran	4.09	42	89397	257.552	ug/l	100
30) Chloroform	3.87	83	301351	53.578	ug/l	100
31) Cyclohexane	3.71	56	213930	50.281	ug/l	100
32) 1,1,1-Trichloroethane	4.11	97	232192	52.422	ug/l	100
36) 1,1-Dichloropropene	4.30	75	218883	51.182	ug/l	100
37) Ethyl Acetate	4.12	43	80218	50.454	ug/l	100
38) Carbon Tetrachloride	4.00	117	207851	50.089	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111318\
 Data File : VF060710.D
 Acq On : 13 Nov 2018 13:04
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

sam
 11/14/2018 11:53:41 AM

Quant Time: Nov 14 02:59:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 02:40:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	256048	51.607	ug/l	100
40) Benzene	4.65	78	480827	50.438	ug/l	100
41) Methacrylonitrile	4.76	41	45562	47.304	ug/l	100
42) 1,2-Dichloroethane	4.96	62	167627	50.883	ug/l	100
43) Isopropyl Acetate	6.98	43	101563	48.179	ug/l	100
44) Trichloroethene	5.52	130	145490	48.372	ug/l	100
45) 1,2-Dichloropropane	6.25	63	120598	48.615	ug/l	100
46) Dibromomethane	6.10	93	84337	51.503	ug/l	100
47) Bromodichloromethane	6.40	83	224649	53.723	ug/l	100
48) Methyl methacrylate	6.73	41	67400	48.310	ug/l	100
49) 1,4-Dioxane	6.72	88	12418	951.717	ug/l	100
51) 4-Methyl-2-Pentanone	8.27	43	369222	242.168	ug/l	100
52) Toluene	7.64	92	314562	49.240	ug/l	100
53) t-1,3-Dichloropropene	8.29	75	163696	48.876	ug/l	100
54) cis-1,3-Dichloropropene	7.32	75	202380	46.520	ug/l	100
55) 1,1,2-Trichloroethane	8.51	97	93500	51.225	ug/l	100
56) Ethyl methacrylate	8.64	69	105039	50.671	ug/l	100
57) 1,3-Dichloropropane	8.87	76	153759	48.607	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.64	63	49111	259.349	ug/l	100
59) 2-Hexanone	9.51	43	251131	234.378	ug/l	100
60) Dibromochloromethane	8.74	129	133051	51.147	ug/l	100
61) 1,2-Dibromoethane	9.00	107	100225	52.211	ug/l	100
64) Tetrachloroethene	8.17	164	138444	54.790	ug/l	100
65) Chlorobenzene	9.81	112	336226	52.218	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.95	131	153468	54.646	ug/l	100
67) Ethyl Benzene	9.92	91	629208	51.842	ug/l	100
68) m/p-Xylenes	10.15	106	441683	101.831	ug/l	100
69) o-Xylene	10.73	106	254299	52.148	ug/l	100
70) Styrene	10.81	104	342455	51.746	ug/l	100
71) Bromoform	10.79	173	70355	55.709	ug/l	100
73) Isopropylbenzene	11.13	105	755831	52.207	ug/l	100
74) N-amyl acetate	11.38	43	160919	48.825	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.71	83	128026	53.487	ug/l	100
76) 1,2,3-Trichloropropane	11.80	75	85923	48.335	ug/l	100
77) Bromobenzene	11.51	156	156823	52.039	ug/l	100
78) n-propylbenzene	11.61	91	816393	48.350	ug/l	100
79) 2-Chlorotoluene	11.73	91	500174	50.967	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	596982	51.939	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.88	75	45040m	52.808	ug/l	
82) 4-Chlorotoluene	11.91	91	501641	49.897	ug/l	100
83) tert-Butylbenzene	12.14	119	653458	53.545	ug/l	100
84) 1,2,4-Trimethylbenzene	12.22	105	604854	50.883	ug/l	100
85) sec-Butylbenzene	12.32	105	853758	51.572	ug/l	100
86) p-Isopropyltoluene	12.47	119	724529	52.402	ug/l	100
87) 1,3-Dichlorobenzene	12.48	146	302782	50.488	ug/l	100
88) 1,4-Dichlorobenzene	12.57	146	301375	52.287	ug/l	100
89) n-Butylbenzene	12.85	91	695888	49.318	ug/l	100
90) Hexachloroethane	12.93	117	184345	54.511	ug/l	100
91) 1,2-Dichlorobenzene	12.96	146	283707	50.243	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.65	75	24863	55.266	ug/l	100

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF111318\
Data File : VF060710.D
Acq On : 13 Nov 2018 13:04
Operator : VA/AP
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

sam
11/14/2018 11:53:41 AM

Quant Time: Nov 14 02:59:51 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 14 02:40:41 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	213960	52.718	ug/l	100
94) Hexachlorobutadiene	14.20	225	146602	55.276	ug/l	100
95) Naphthalene	14.47	128	416548	56.247	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	209116	55.759	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

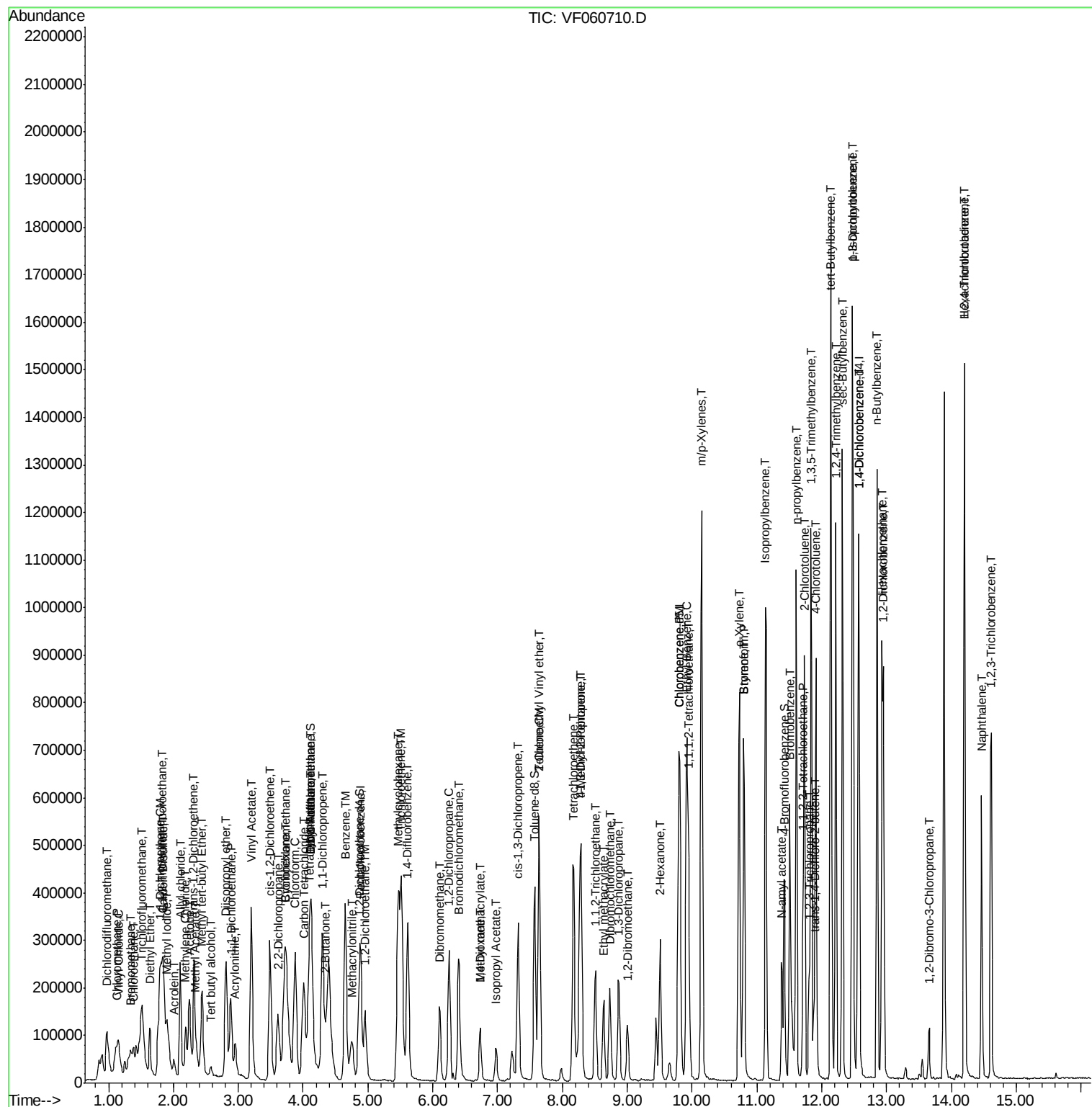
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF111318\
Data File : VF060710.D
Acq On : 13 Nov 2018 13:04
Operator : VA/AP
Sample : VSTDICCC050
Misc : 5.00µ/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

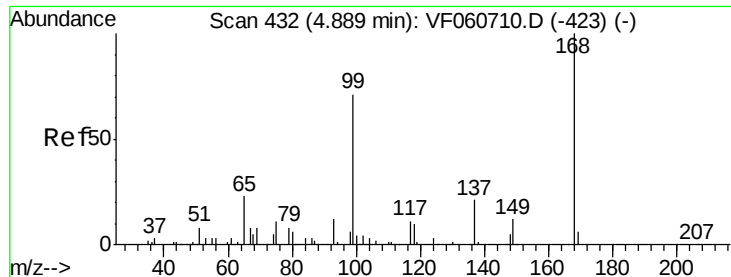
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

sam
11/14/2018 11:53:41 AM

Quant Time: Nov 14 02:59:51 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 14 02:40:41 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 209845

Ion Ratio Lower Upper

168 100

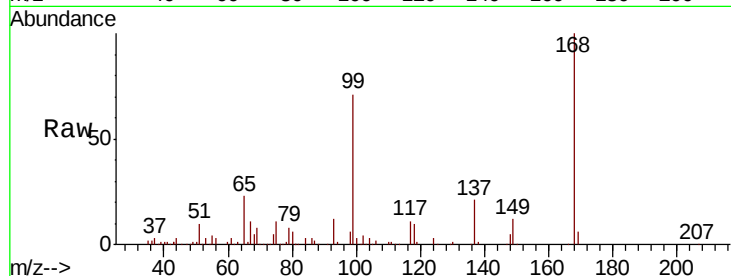
99 71.5 57.2 85.8

Manual Integrations

APPROVED

sam

11/14/2018 11:53:41 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

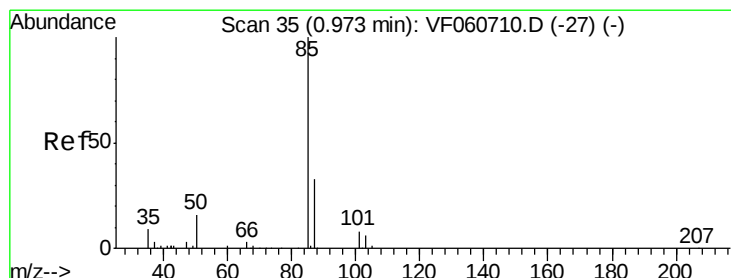
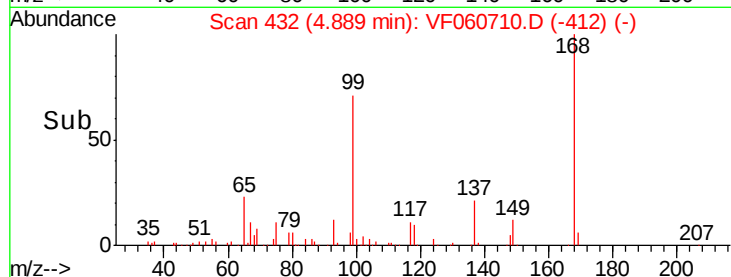
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.234 ug/l

RT: 0.97 min Scan# 35

Delta R.T. 0.00 min

Lab File: VF060710.D

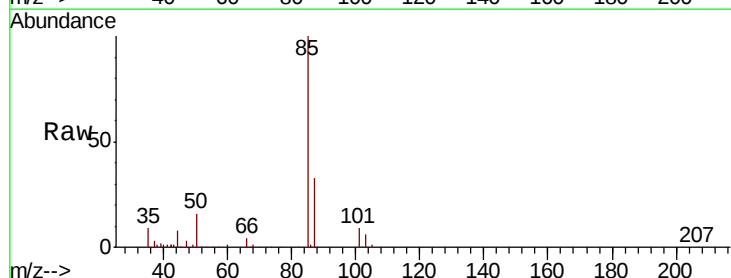
Acq: 13 Nov 2018 13:04

Tgt Ion: 85 Resp: 196165

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

60000

50000

40000

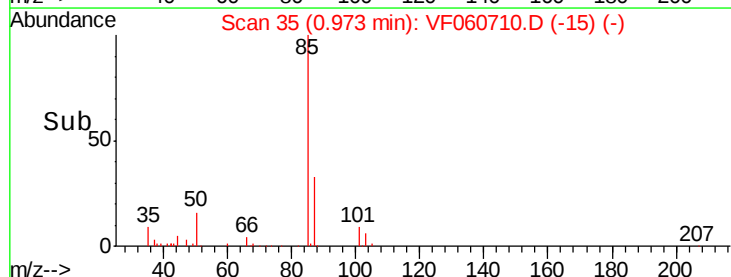
30000

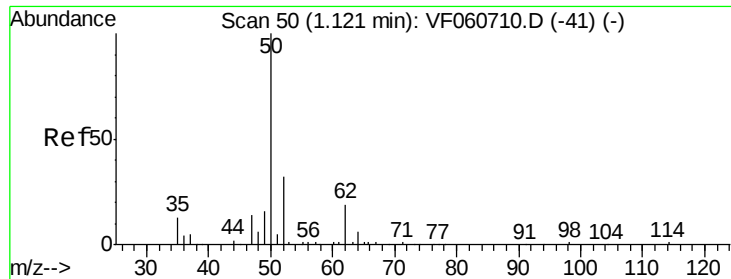
20000

10000

0

Time-->





#3

Chloromethane

Concen: 52.400 ug/l

RT: 1.12 min Scan# 50

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 122043

Ion Ratio Lower Upper

50 100

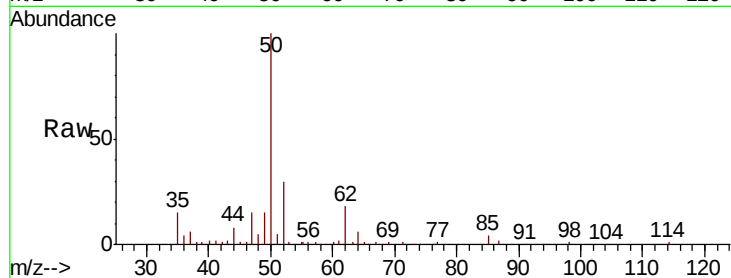
52 30.2 24.2 36.2

Manual Integrations

APPROVED

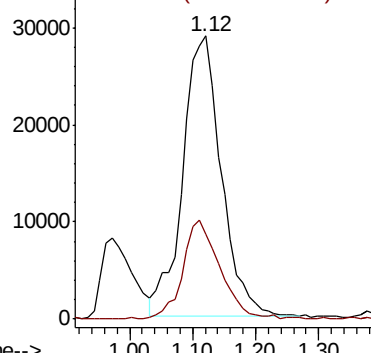
sam

11/14/2018 11:53:41 AM

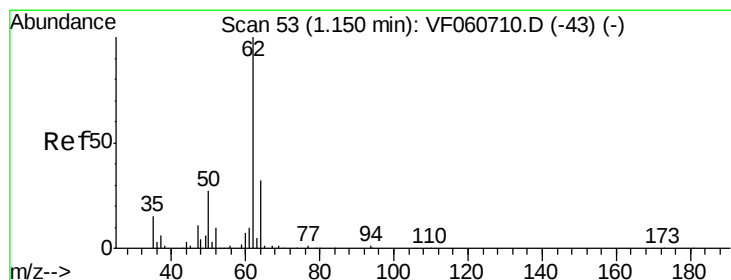
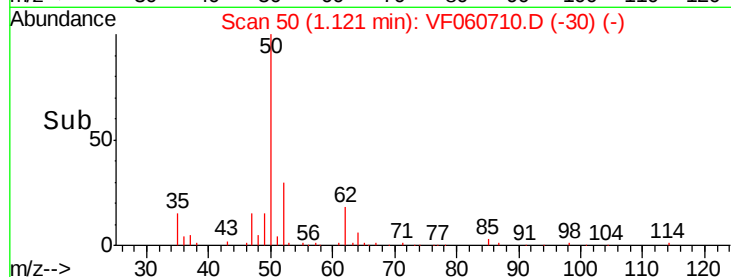


Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



Time-->



#4

Vinyl Chloride

Concen: 53.251 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.00 min

Lab File: VF060710.D

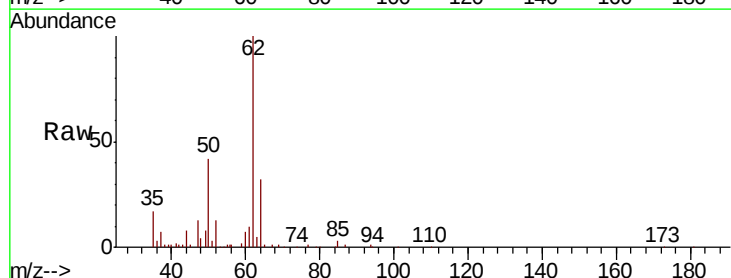
Acq: 13 Nov 2018 13:04

Tgt Ion: 62 Resp: 110948

Ion Ratio Lower Upper

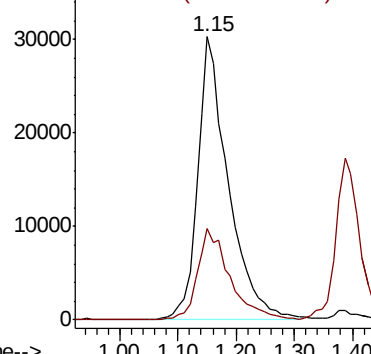
62 100

64 32.3 25.8 38.8

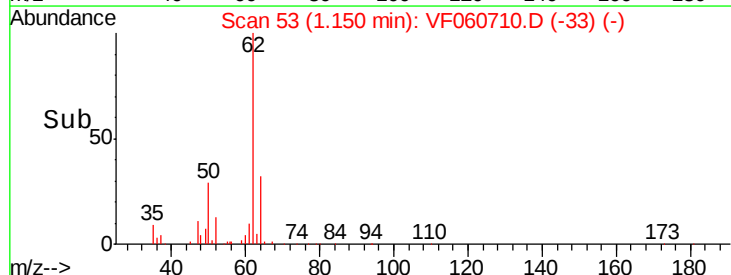


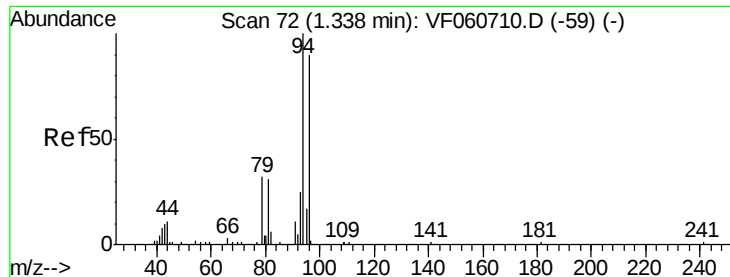
Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0



Time-->





#5

Bromomethane

Concen: 55.424 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 73352

Ion Ratio Lower Upper

94 100

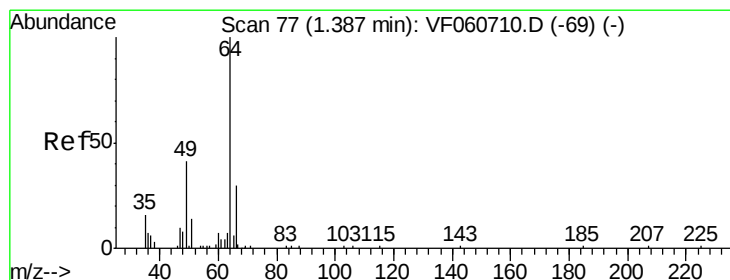
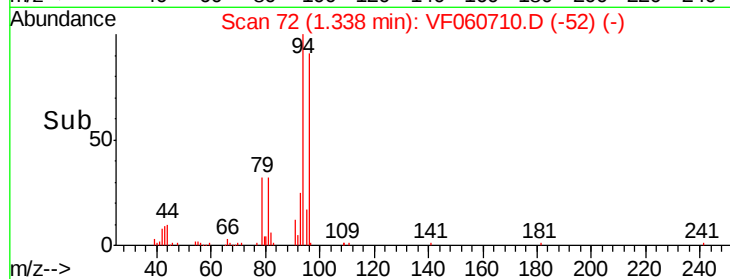
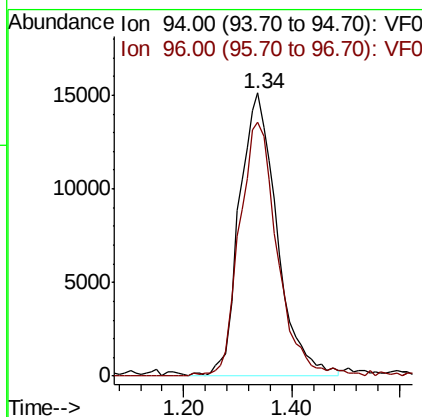
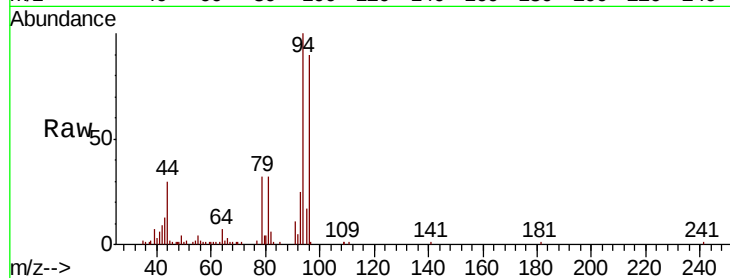
96 89.9 71.9 107.9

Manual Integrations

APPROVED

sam

11/14/2018 11:53:41 AM



#6

Chloroethane

Concen: 61.477 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.00 min

Lab File: VF060710.D

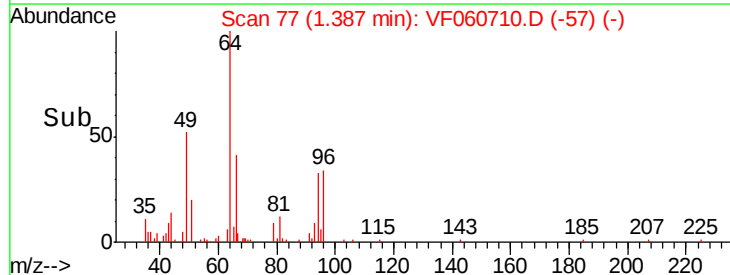
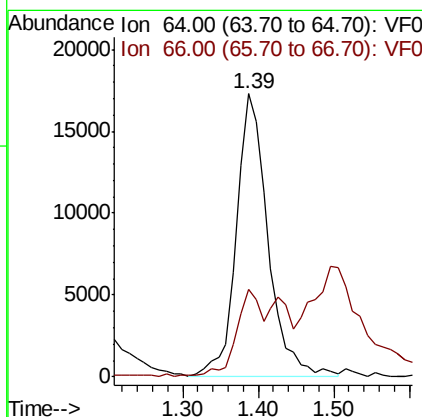
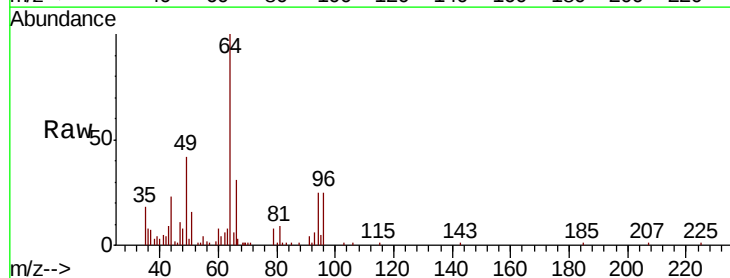
Acq: 13 Nov 2018 13:04

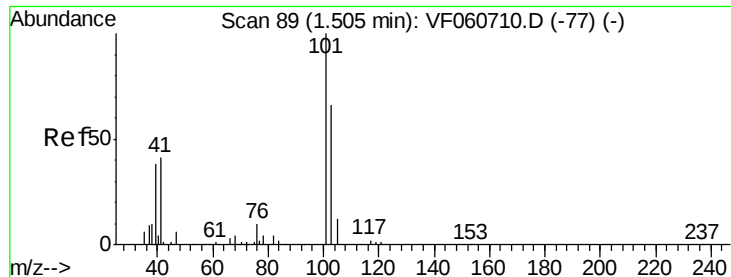
Tgt Ion: 64 Resp: 50114

Ion Ratio Lower Upper

64 100

66 31.0 24.8 37.2





#7

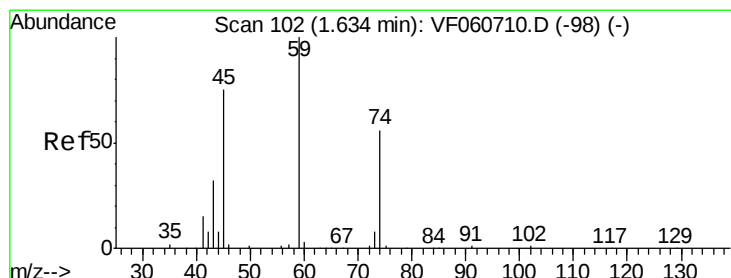
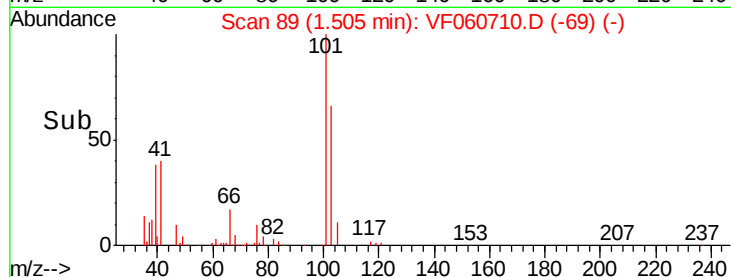
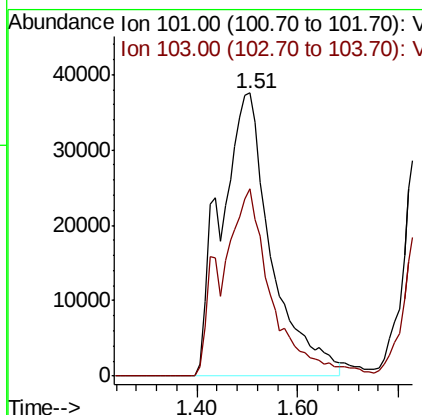
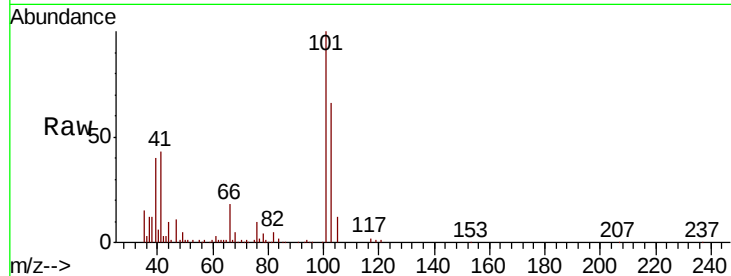
Trichlorofluoromethane
Concen: 56.394 ug/l m
RT: 1.51 min Scan# 89
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	53.1	79.7

Manual Integrations
APPROVED

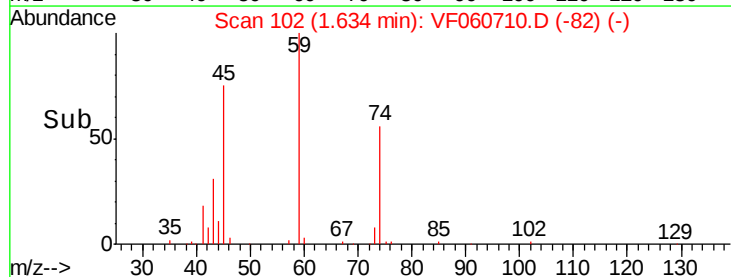
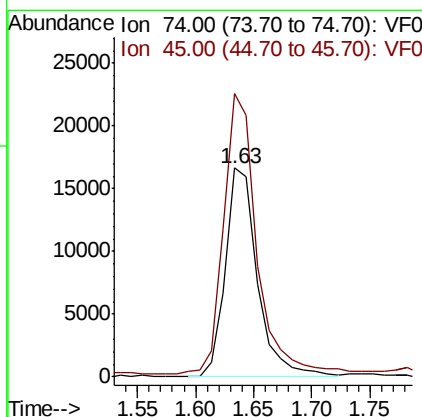
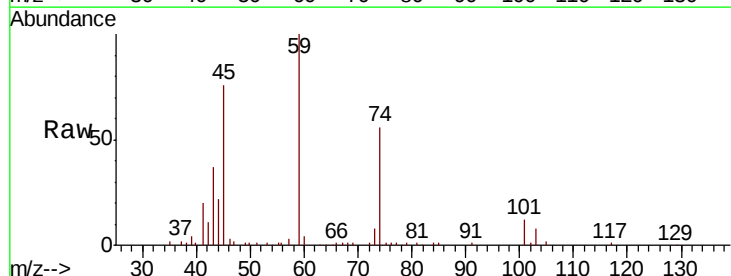
sam
11/14/2018 11:53:41 AM

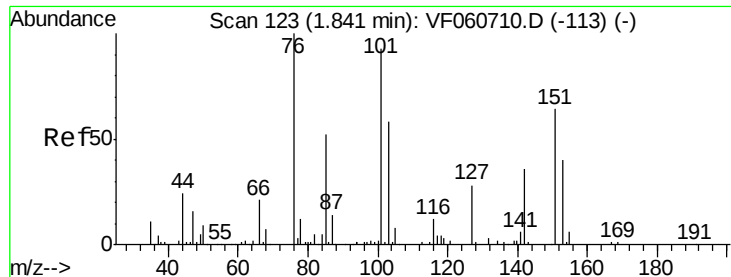


#8

Diethyl Ether
Concen: 54.158 ug/l
RT: 1.63 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	135.4	67.7	203.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.973 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Instrument :

MSVOA_F

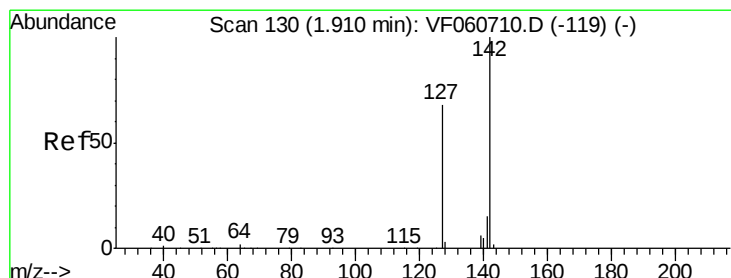
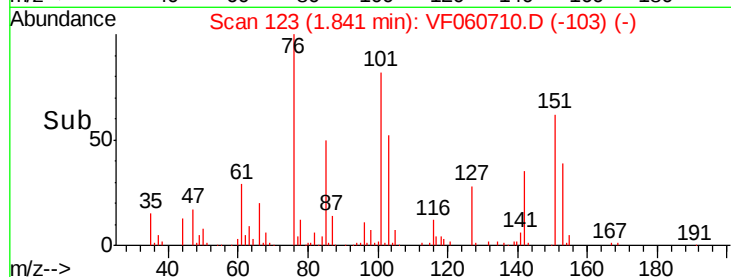
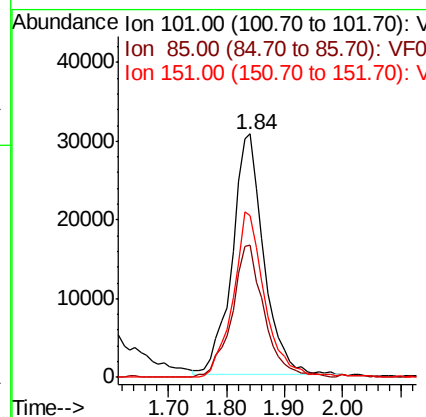
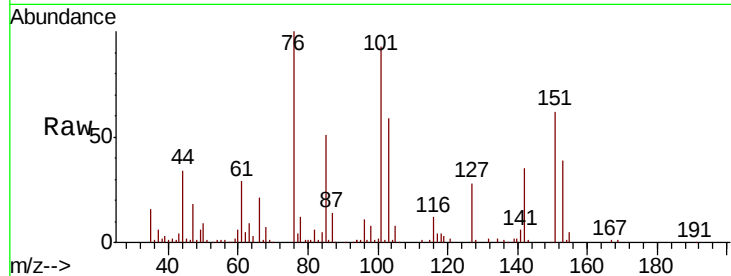
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	115013
Ion Ratio	Lower	Upper	
101	100		
85	54.5	43.6	65.4
151	66.4	53.1	79.7

Manual Integrations
APPROVED

sam
11/14/2018 11:53:41 AM



#10

Methyl Iodide

Concen: 54.641 ug/l m

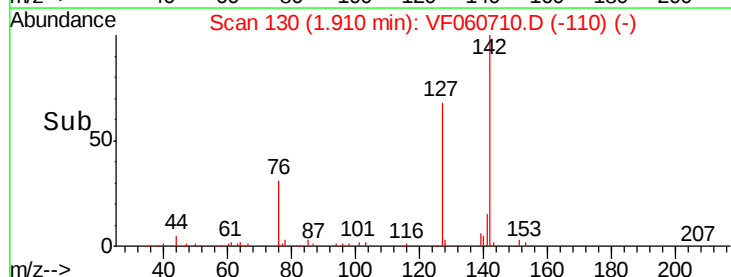
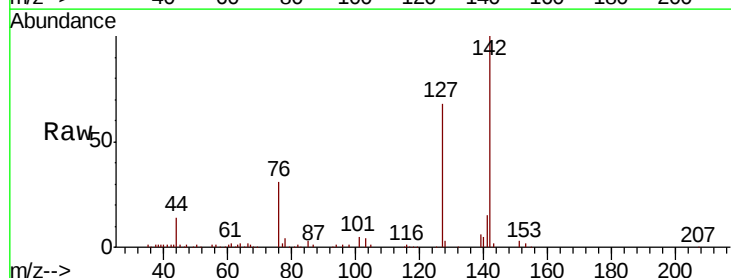
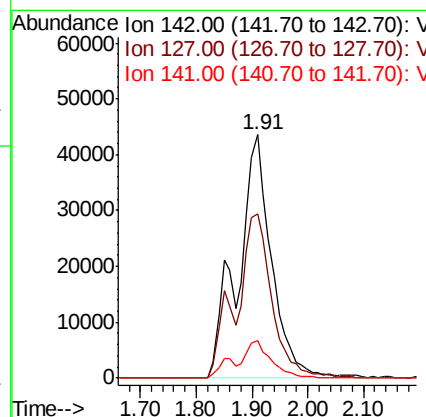
RT: 1.91 min Scan# 130

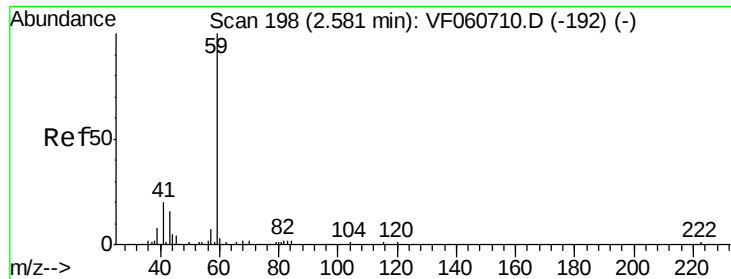
Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Tgt Ion:	142	Resp:	182479
Ion Ratio	Lower	Upper	
142	100		
127	67.5	54.0	81.0
141	15.4	12.3	18.5





#11

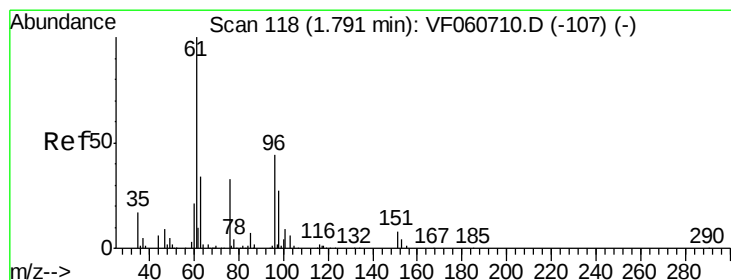
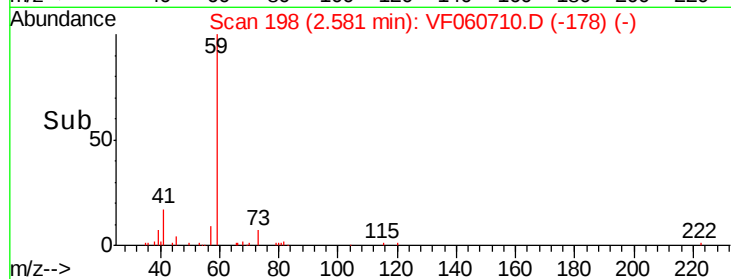
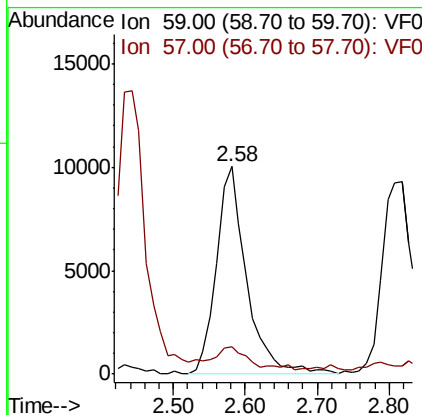
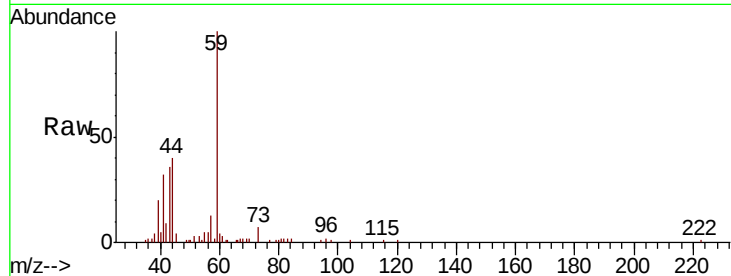
Tert butyl alcohol
Concen: 267.581 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	59.00 (58.70 to 59.70): VF0	Resp	29148
Ion Ratio	59	100	Lower Upper
	57	13.1	10.5 15.7

Manual Integrations
APPROVED

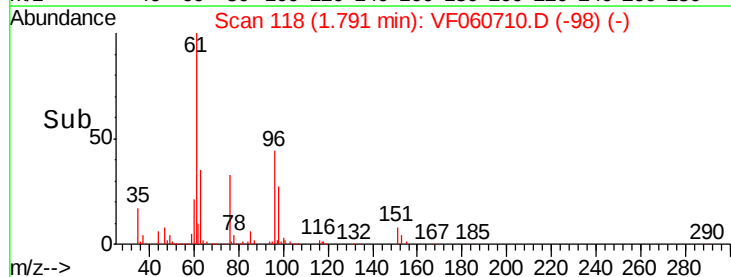
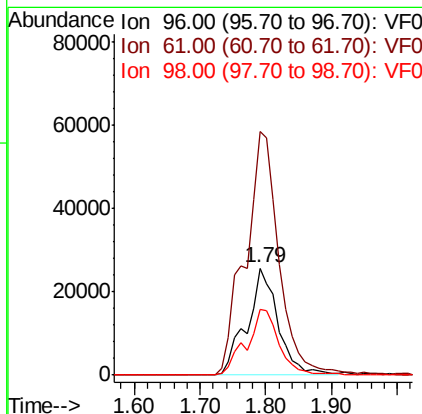
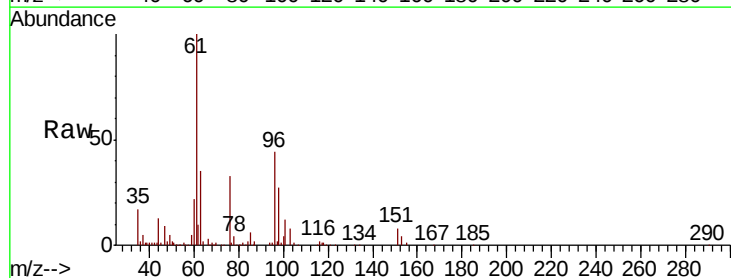
sam
11/14/2018 11:53:41 AM

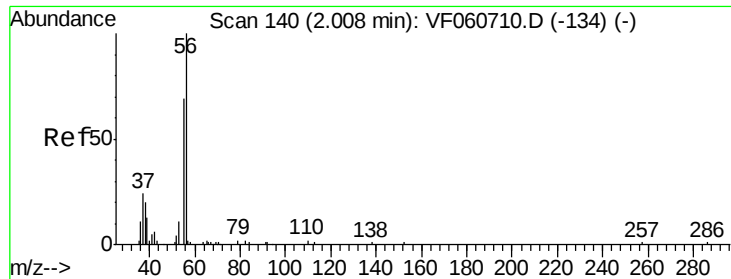


#12

1,1-Dichloroethene
Concen: 50.340 ug/l
RT: 1.79 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Tgt Ion	96	Resp	86182
Ion Ratio	96	100	Lower Upper
	61	227.7	182.2 273.2
	98	61.5	49.2 73.8





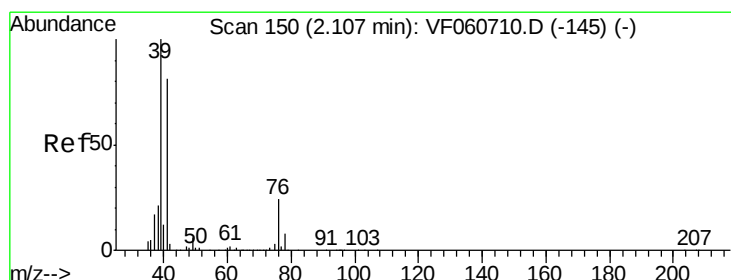
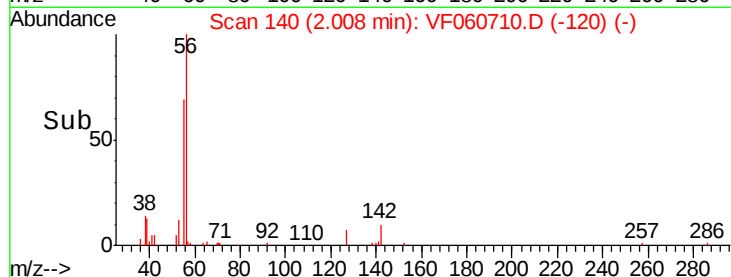
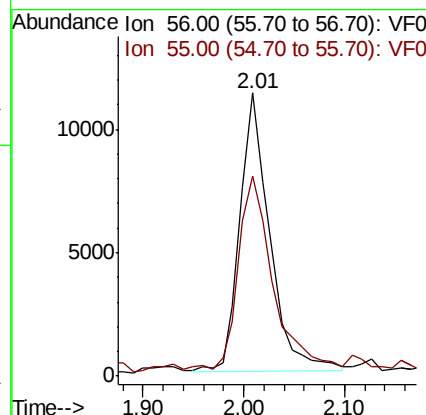
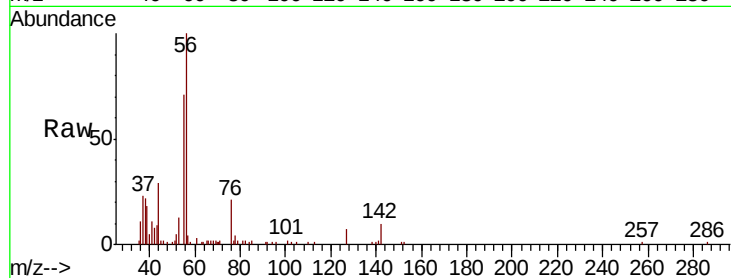
#13
Acrolein
Concen: 235.047 ug/l
RT: 2.01 min Scan# 140
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.8	56.6	85.0

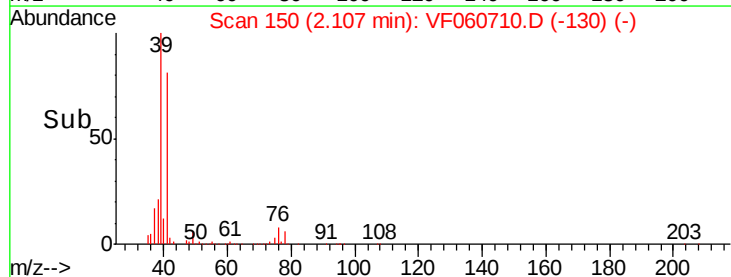
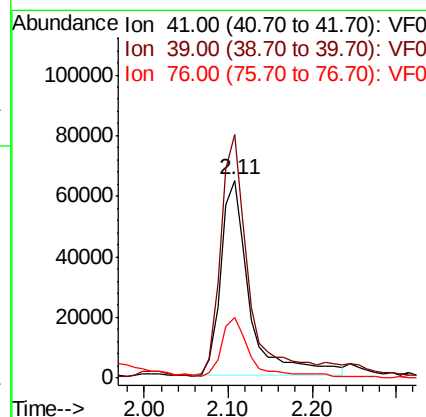
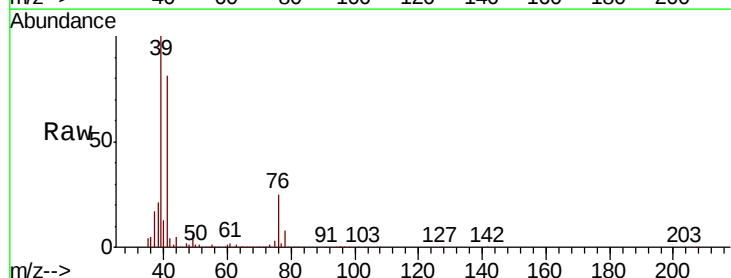
Manual Integrations
APPROVED

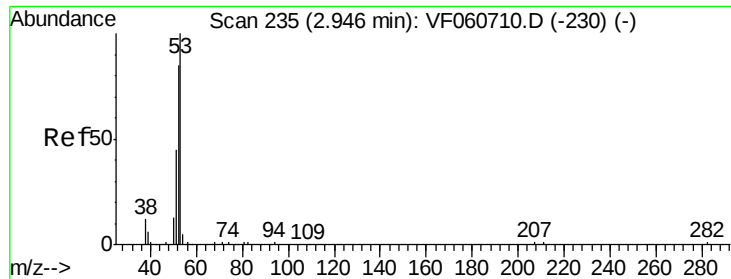
sam
11/14/2018 11:53:41 AM



#14
Allyl chloride
Concen: 51.208 ug/l
RT: 2.11 min Scan# 150
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Tgt Ion	Ratio	Lower	Upper
41	100		
39	123.1	98.5	147.7
76	30.6	24.5	36.7





#15

Acrylonitrile

Concen: 263.465 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Instrument :

MSVOA_F

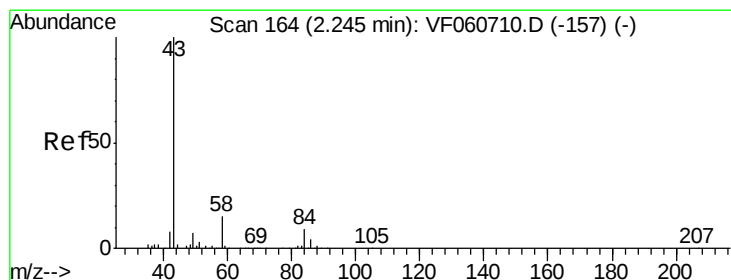
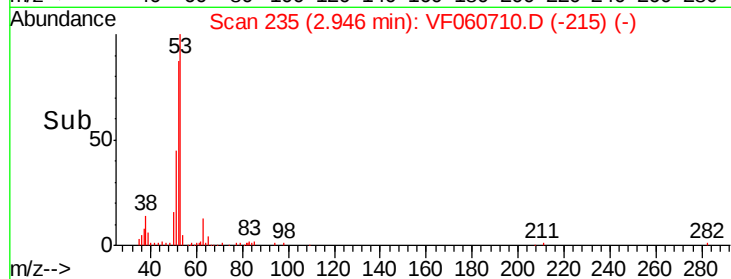
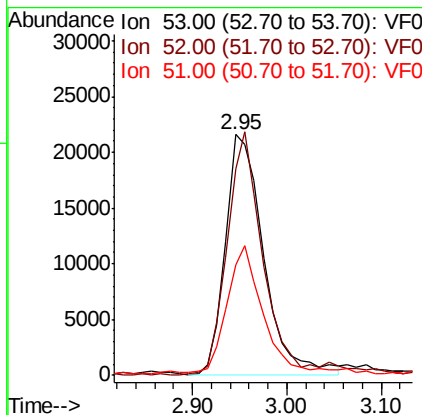
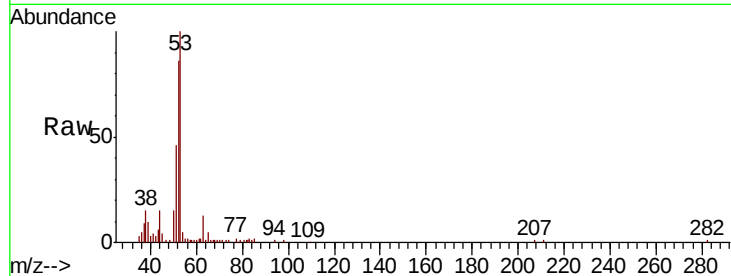
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	61155
Ion	Ratio	Lower	Upper
53	100		
52	86.0	68.8	103.2
51	45.9	36.7	55.1

Manual Integrations
APPROVED

sam
11/14/2018 11:53:41 AM



#16

Acetone

Concen: 290.688 ug/l

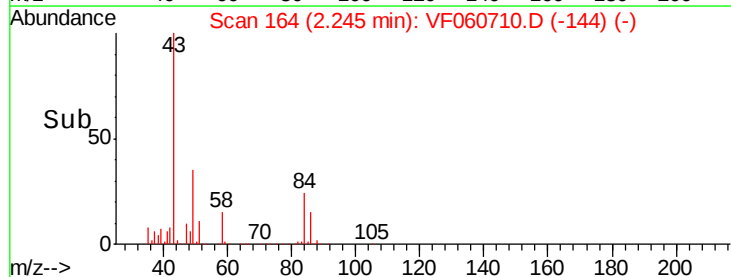
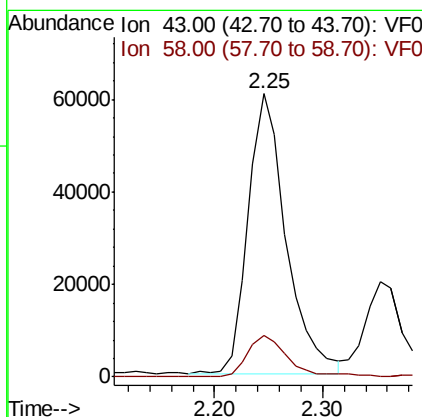
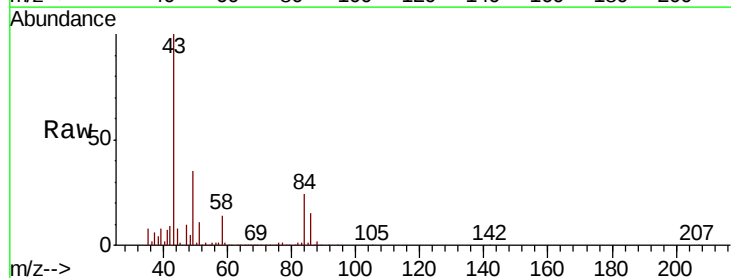
RT: 2.25 min Scan# 164

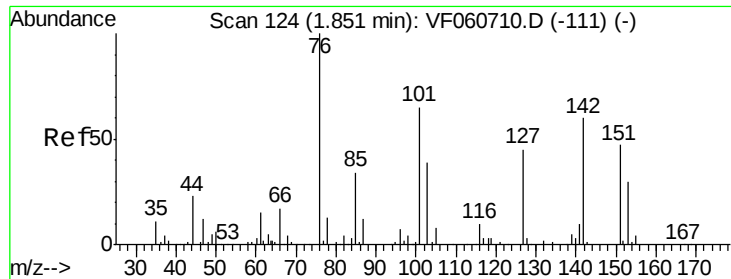
Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Tgt Ion:	43	Resp:	148716
Ion	Ratio	Lower	Upper
43	100		
58	14.5	11.6	17.4





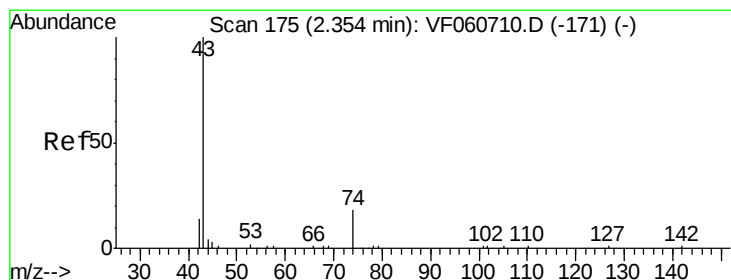
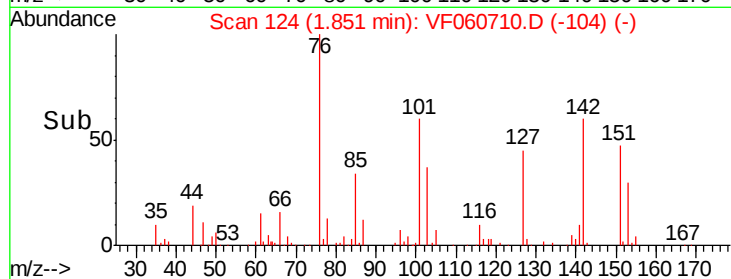
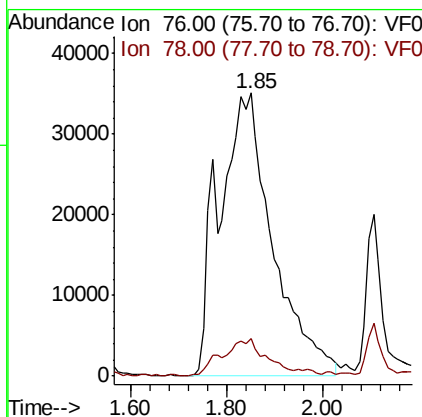
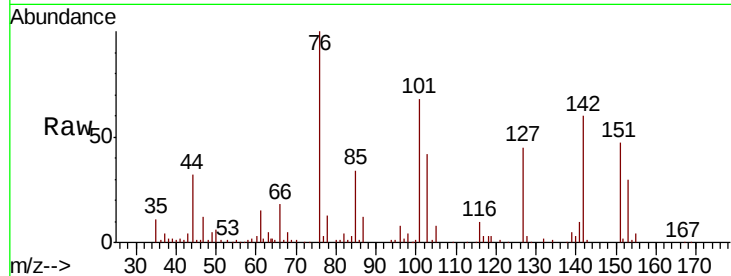
#17
Carbon Disulfide
Concen: 52.664 ug/l m
RT: 1.85 min Scan# 124
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 272320
Ion Ratio Lower Upper
76 100
78 13.1 10.5 15.7

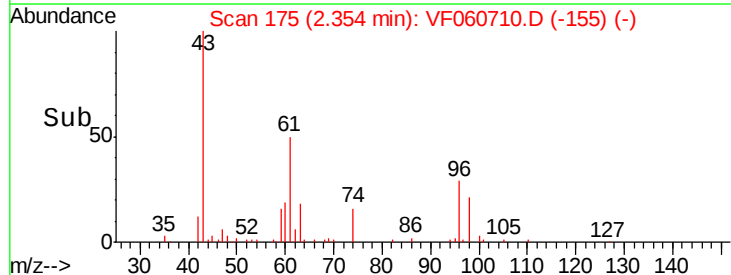
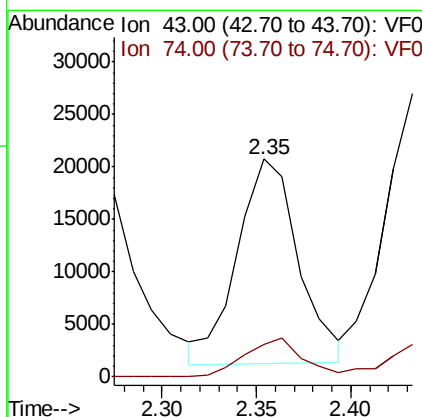
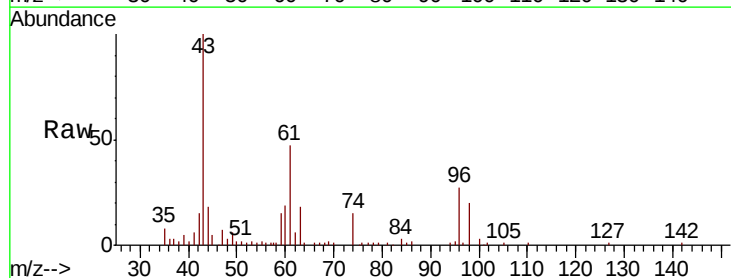
Manual Integrations
APPROVED

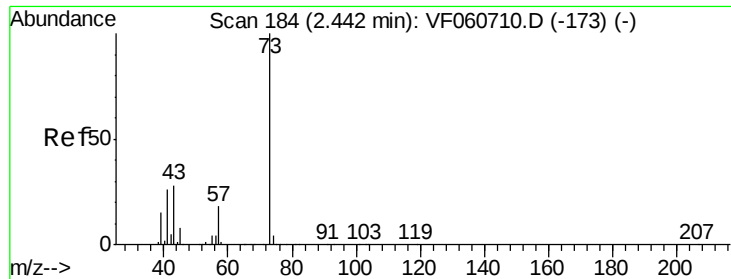
sam
11/14/2018 11:53:41 AM



#18
Methyl Acetate
Concen: 48.017 ug/l
RT: 2.35 min Scan# 175
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Tgt Ion: 43 Resp: 43825
Ion Ratio Lower Upper
43 100
74 14.8 11.8 17.8





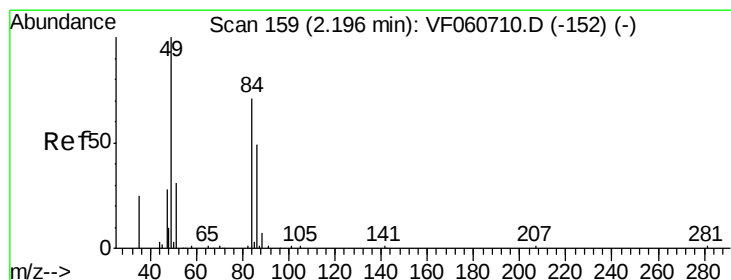
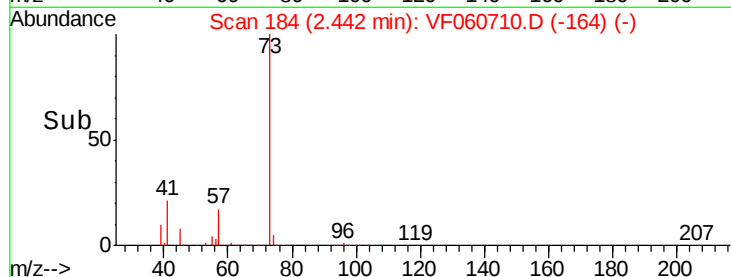
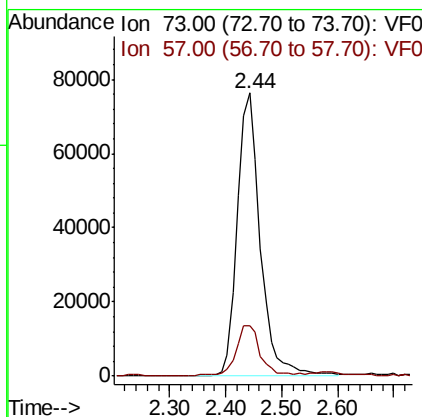
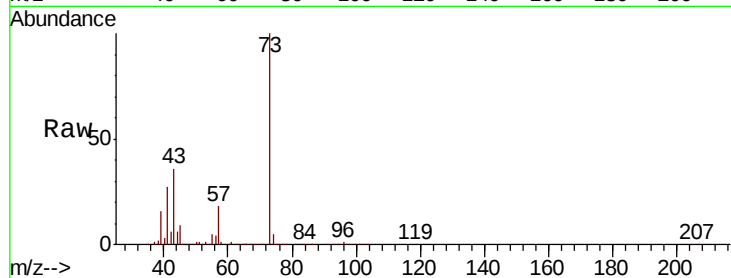
#19
Methvl tert-butvl Ether
Concen: 53.156 ug/l
RT: 2.44 min Scan# 184
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.9	14.3	21.5

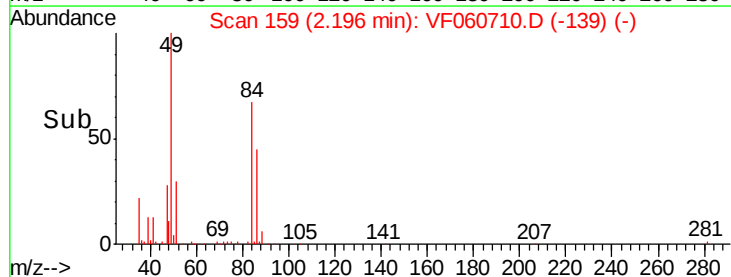
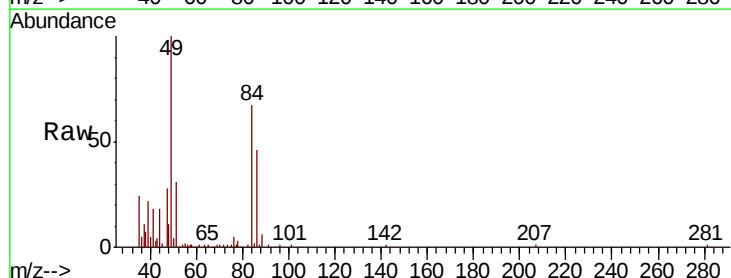
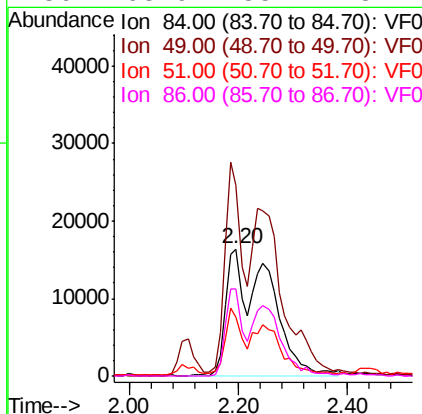
Manual Integrations
APPROVED

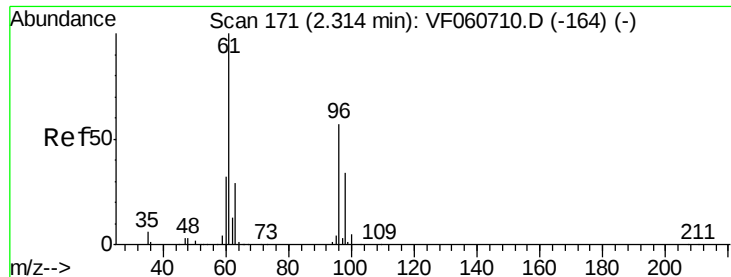
sam
11/14/2018 11:53:41 AM



#20
Methylene Chloride
Concen: 46.276 ug/l m
RT: 2.20 min Scan# 159
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.3	120.2	180.4
51	46.5	37.2	55.8
86	68.9	55.1	82.7





#21

trans-1,2-Dichloroethene

Concen: 55.265 ug/l

RT: 2.31 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Instrument :

MSVOA_F

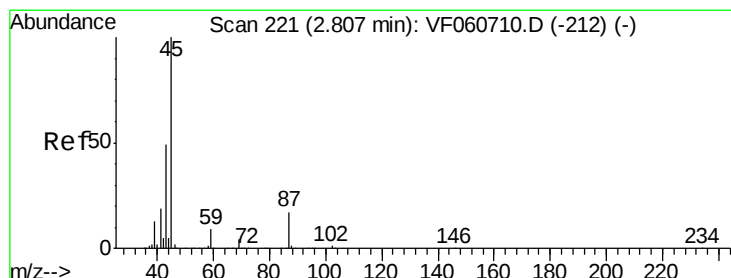
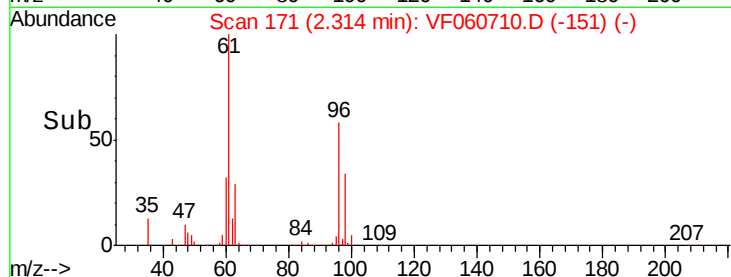
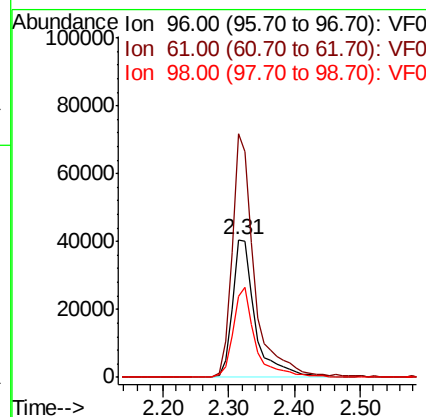
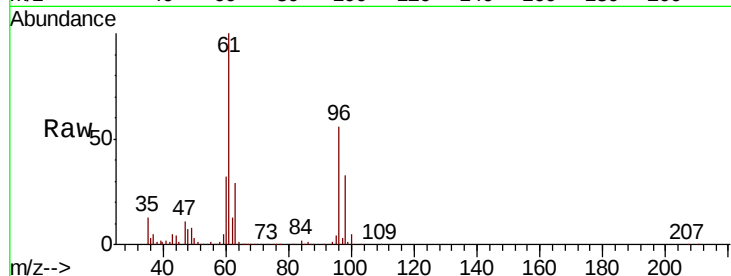
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	98850
Ion	Ratio	Lower	Upper
96	100		
61	177.0	141.6	212.4
98	59.2	47.4	71.0

Manual Integrations
APPROVED

sam
11/14/2018 11:53:41 AM



#22

Diisopropyl ether

Concen: 52.916 ug/l

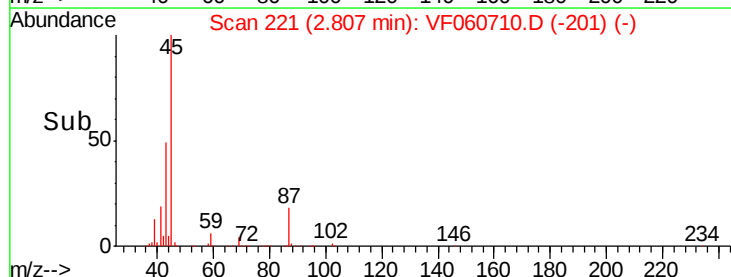
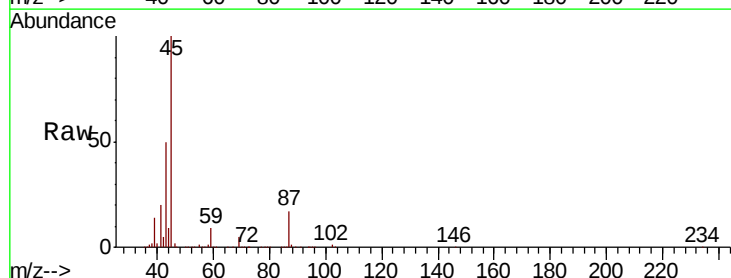
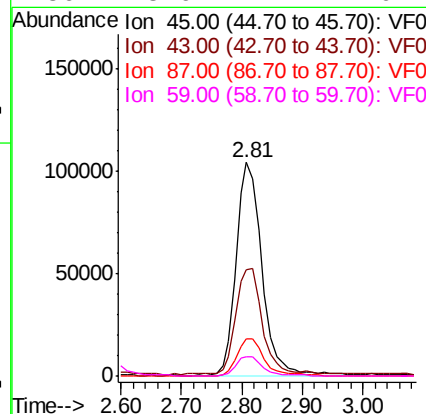
RT: 2.81 min Scan# 221

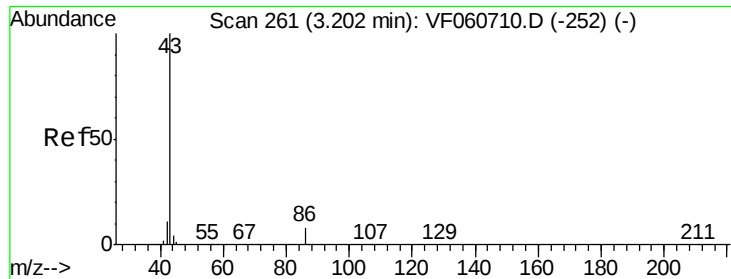
Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Tgt Ion:	45	Resp:	306401
Ion	Ratio	Lower	Upper
45	100		
43	49.9	39.9	59.9
87	17.4	13.9	20.9
59	8.9	7.1	10.7





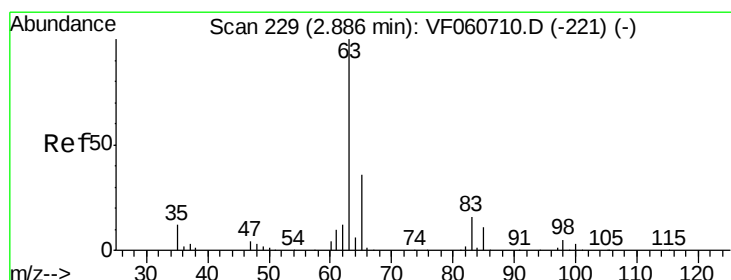
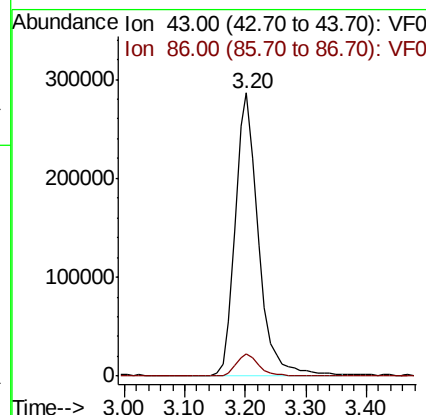
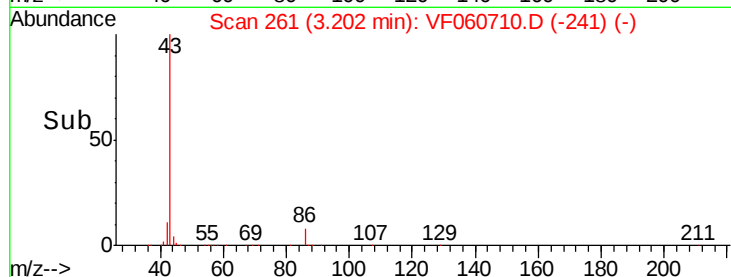
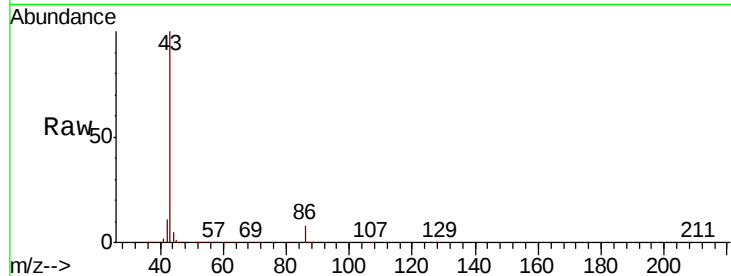
#23
 Vinyl Acetate
 Concen: 277.306 ug/l
 RT: 3.20 min Scan# 261
 Delta R.T. 0.00 min
 Lab File: VF060710.D
 Acq: 13 Nov 2018 13:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.4	9.6

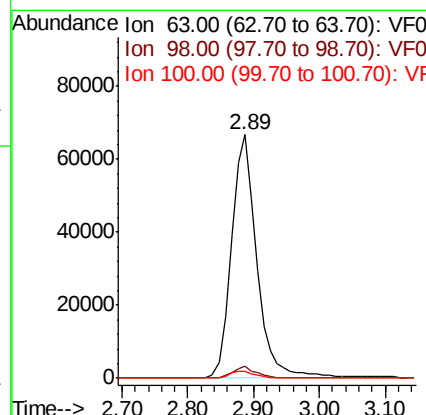
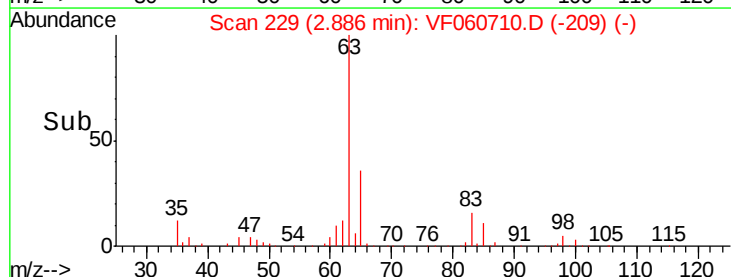
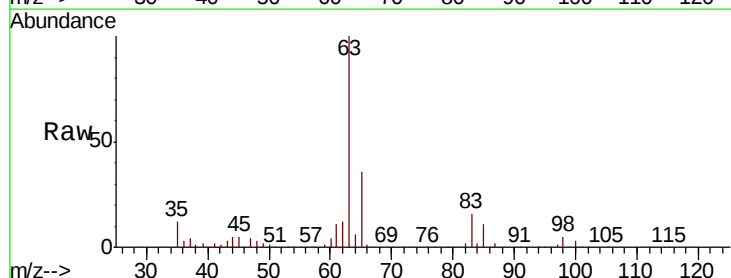
Manual Integrations
 APPROVED

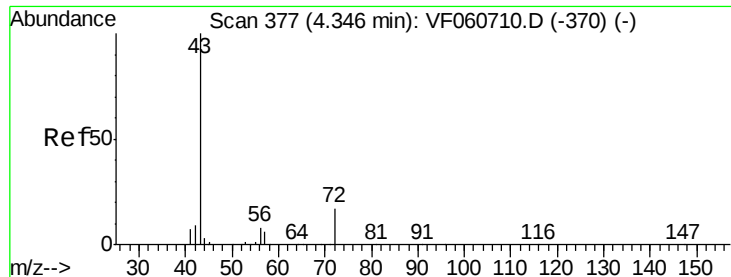
sam
 11/14/2018 11:53:41 AM



#24
 1,1-Dichloroethane
 Concen: 51.332 ug/l
 RT: 2.89 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VF060710.D
 Acq: 13 Nov 2018 13:04

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.4	7.1
100	2.8	1.4	4.2





#25

2-Butanone

Concen: 264.706 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 222749

Ion Ratio Lower Upper

43 100

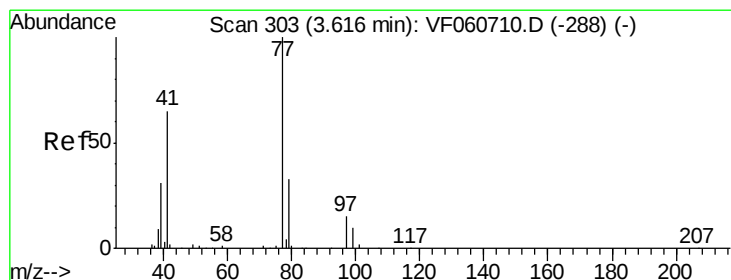
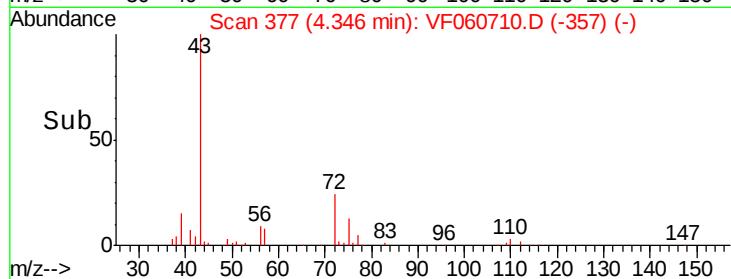
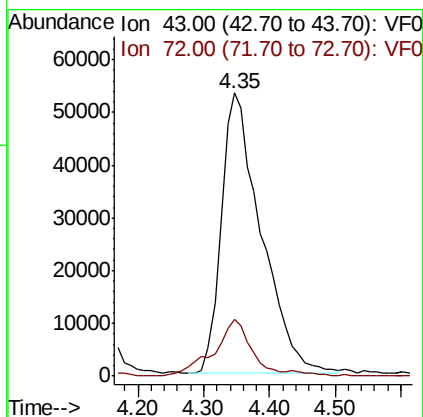
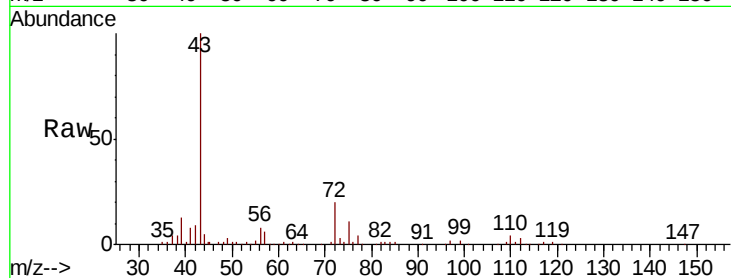
72 20.1 16.1 24.1

Manual Integrations

APPROVED

sam

11/14/2018 11:53:41 AM



#26

2,2-Dichloropropane

Concen: 51.632 ug/l

RT: 3.62 min Scan# 303

Delta R.T. 0.00 min

Lab File: VF060710.D

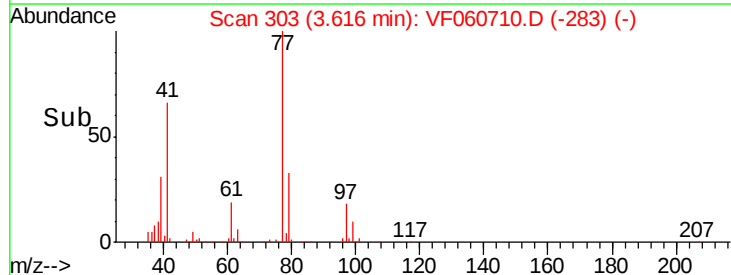
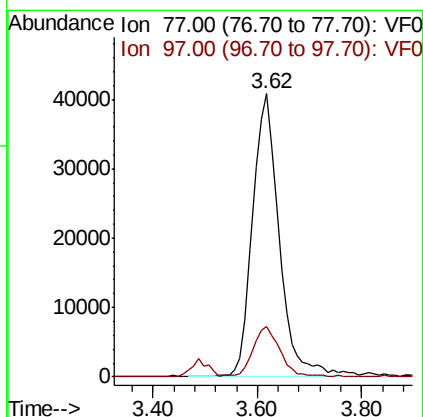
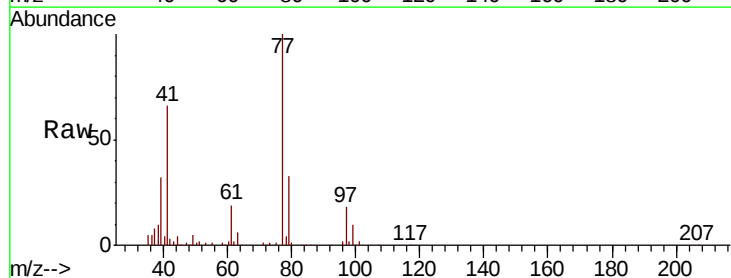
Acq: 13 Nov 2018 13:04

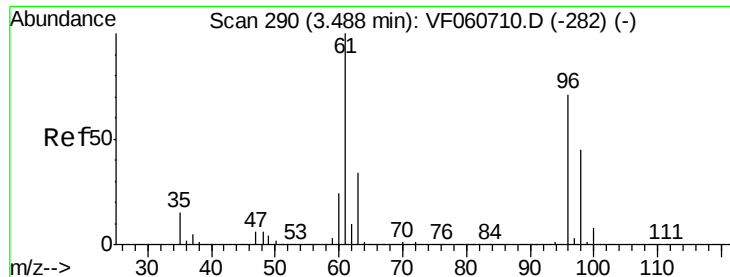
Tgt Ion: 77 Resp: 142433

Ion Ratio Lower Upper

77 100

97 17.7 8.8 26.5





#27

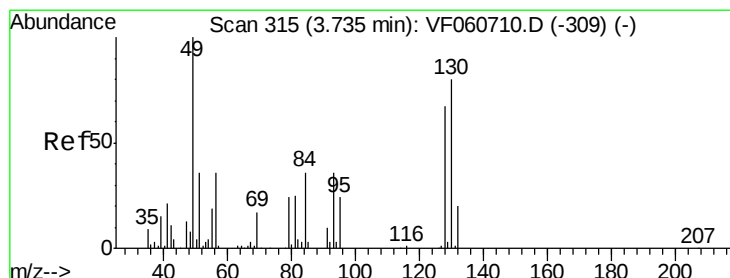
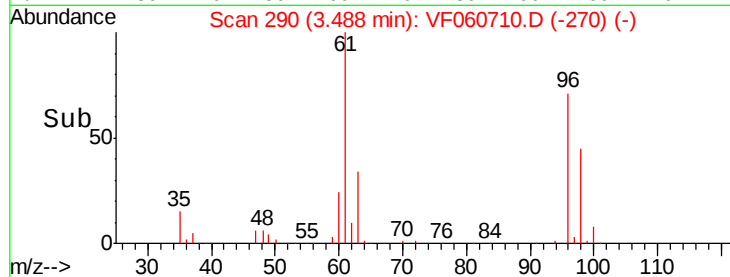
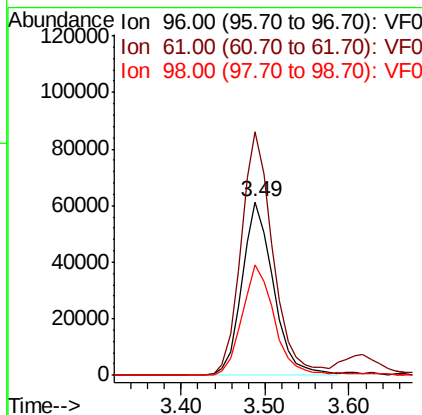
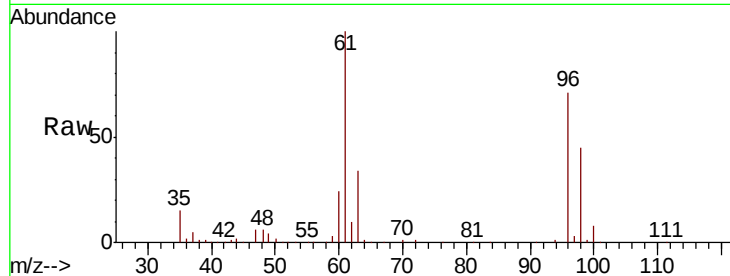
cis-1,2-Dichloroethene
Concen: 52.858 ug/l
RT: 3.49 min Scan# 290
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	160834		
61	140.3	0.0	280.6	
98	63.8	0.0	127.6	

Manual Integrations
APPROVED

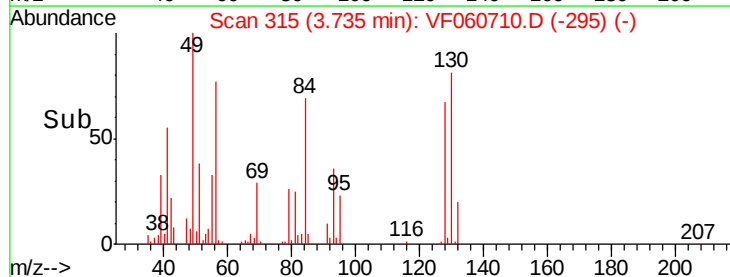
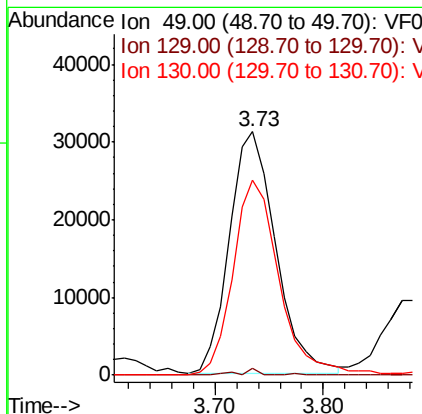
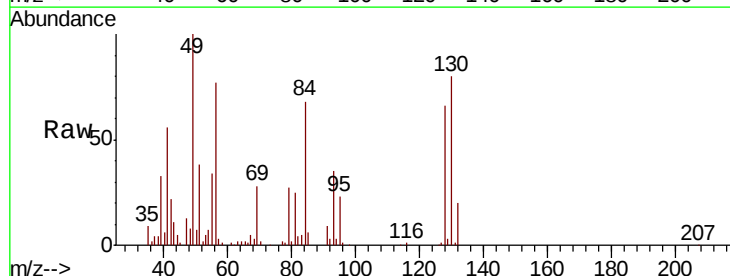
sam
11/14/2018 11:53:41 AM

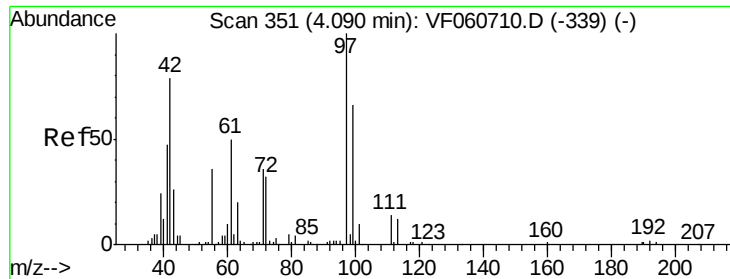


#28

Bromochloromethane
Concen: 51.217 ug/l
RT: 3.73 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	93309		
129	2.6	0.0	5.2	
130	79.9	63.9	95.9	





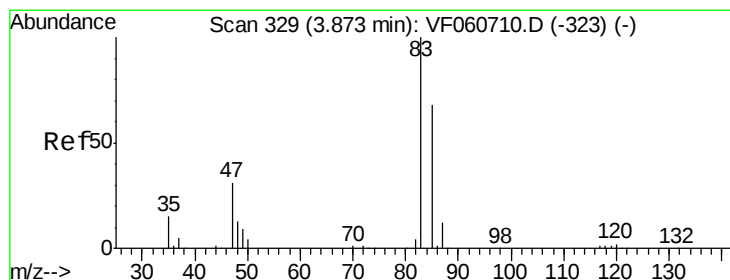
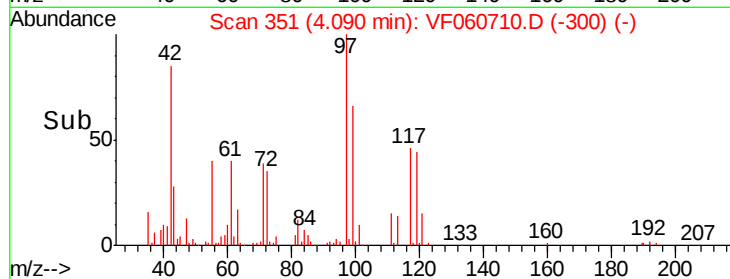
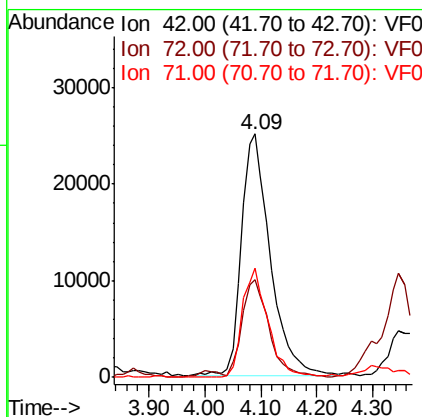
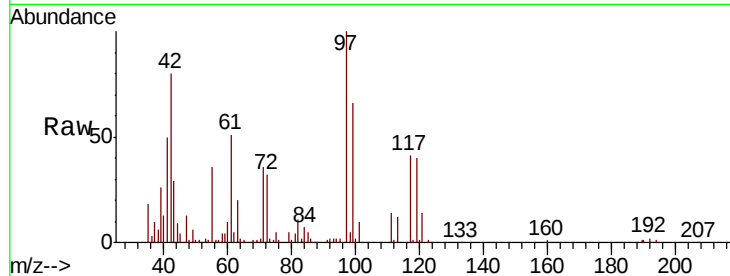
#29
Tetrahydrofuran
Concen: 257.552 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	30.3	45.5
71	40.2	32.2	48.2

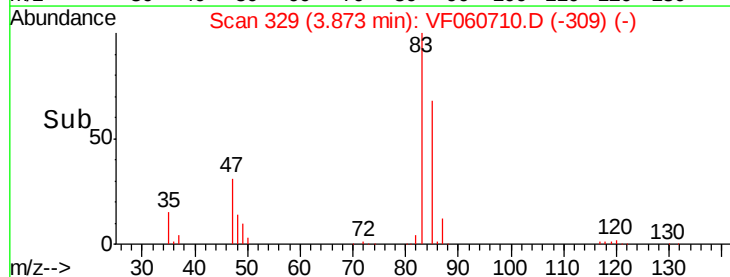
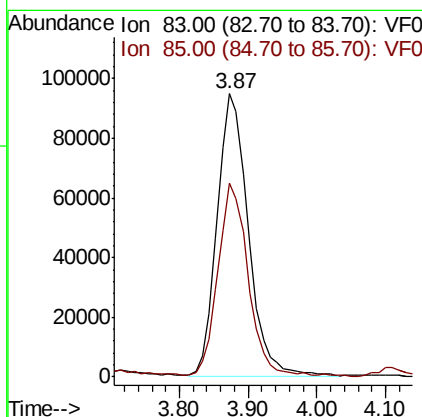
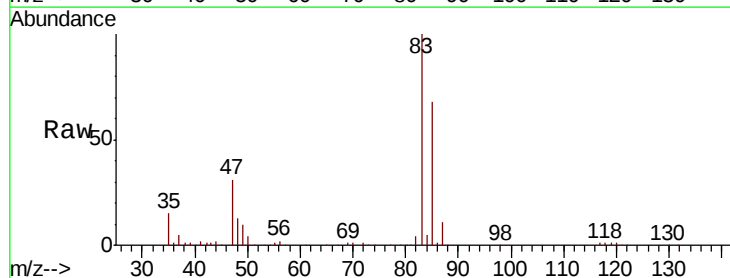
Manual Integrations
APPROVED

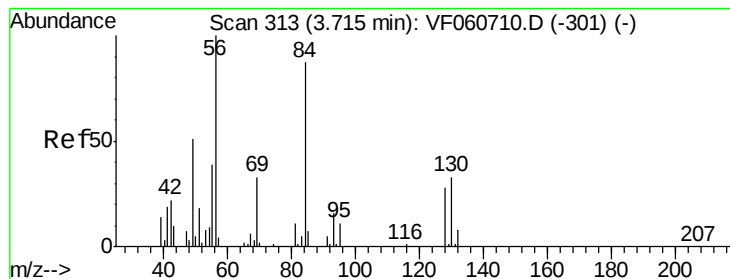
sam
11/14/2018 11:53:41 AM



#30
Chloroform
Concen: 53.578 ug/l
RT: 3.87 min Scan# 329
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.3	54.6	82.0





#31

Cyclohexane

Concen: 50.281 ug/l

RT: 3.71 min Scan# 313

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Instrument :

MSVOA_F

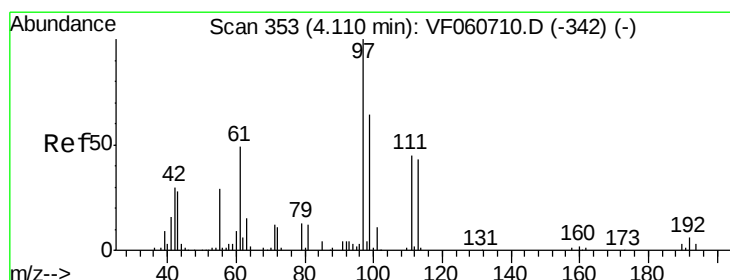
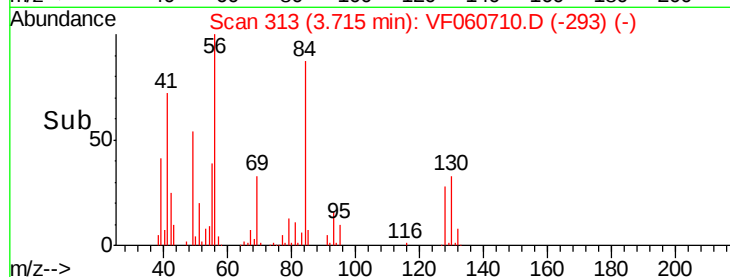
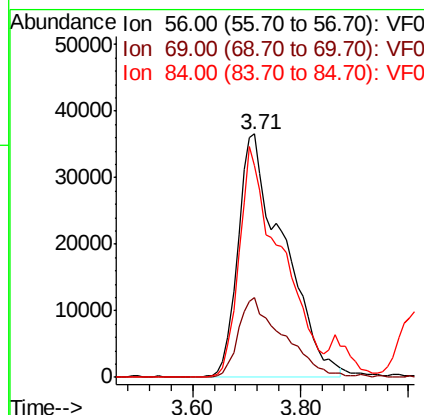
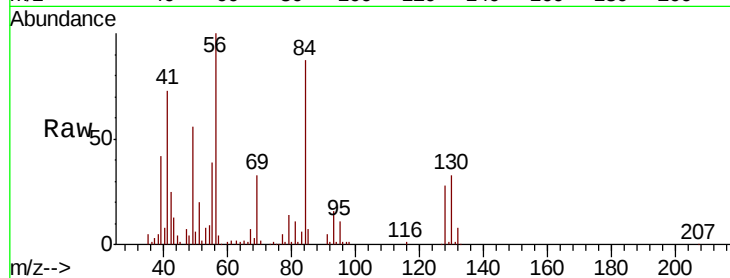
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	213930
Ion	Ratio	Lower	Upper
56	100		
69	32.5	26.0	39.0
84	86.8	69.4	104.2

Manual Integrations
APPROVED

sam
11/14/2018 11:53:41 AM



#32

1,1,1-Trichloroethane

Concen: 52.422 ug/l

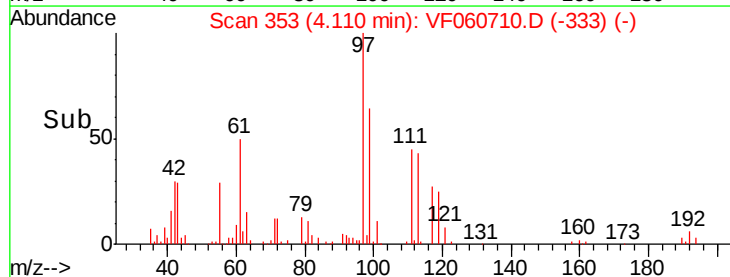
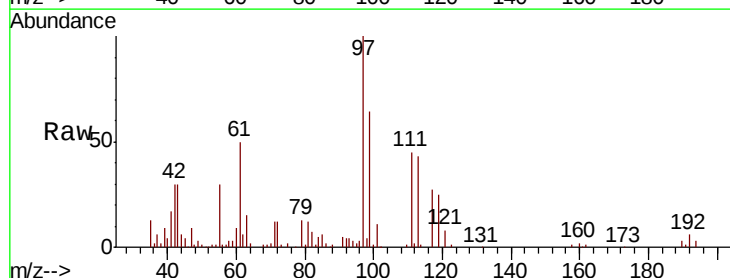
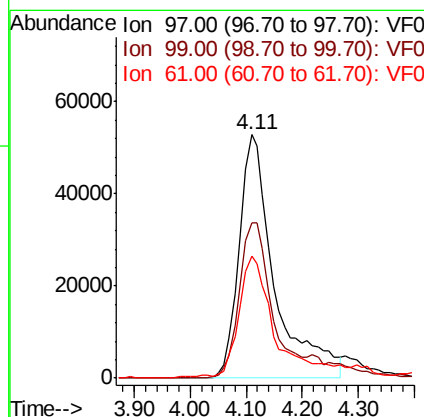
RT: 4.11 min Scan# 353

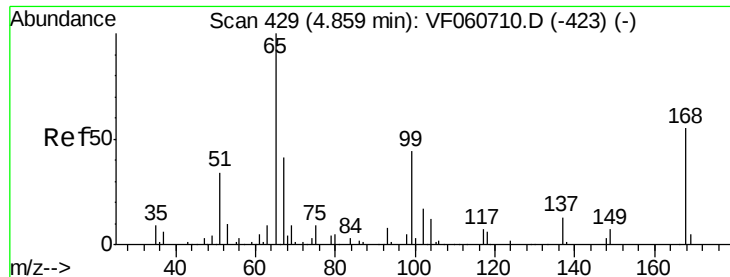
Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Tgt Ion:	97	Resp:	232192
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	50.1	40.1	60.1





#33

1,2-Dichloroethane-d4

Concen: 49.440 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Tot Ion: 65 Resp: 118335

Ion Ratio Lower Upper

65 100

67 45.1 0.0 90.2

Instrument :

MSVOA_F

ClientSampleId :

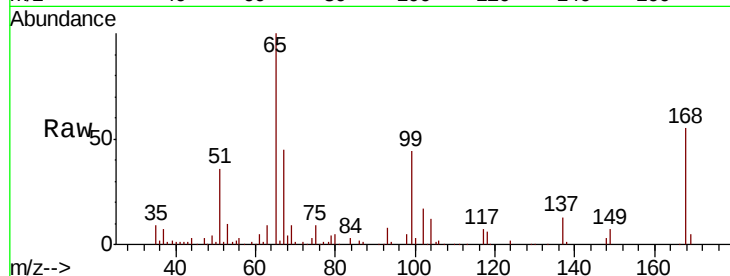
VSTDICCC050

Manual Integrations

APPROVED

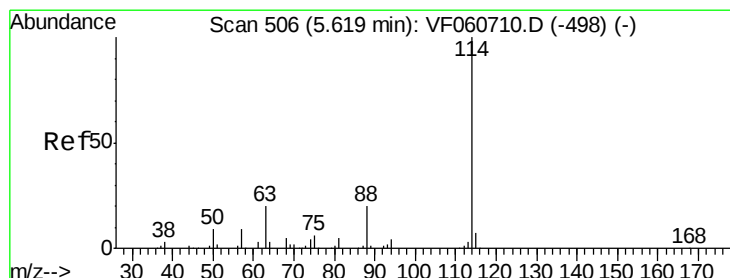
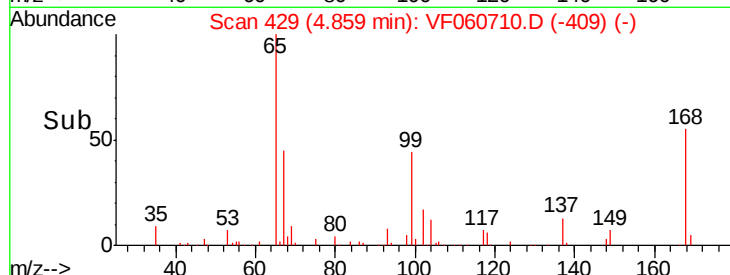
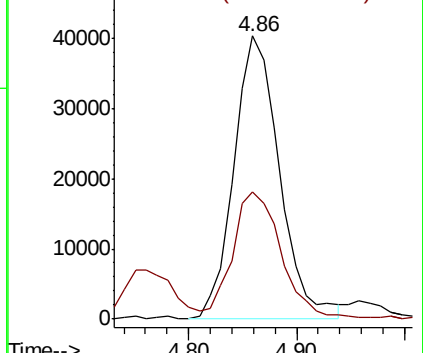
sam

11/14/2018 11:53:41 AM



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 506

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

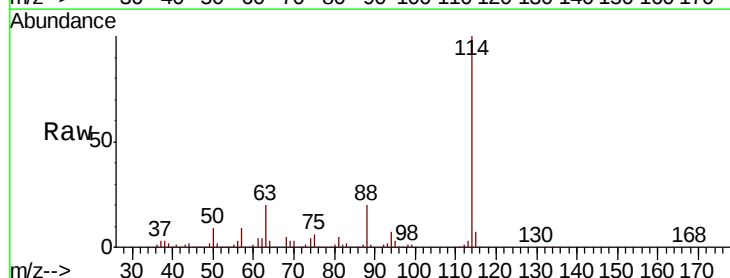
Tgt Ion:114 Resp: 368746

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

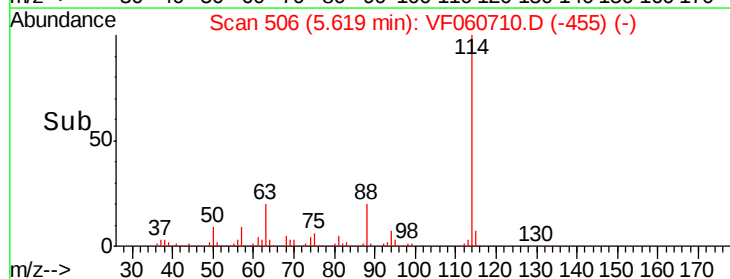
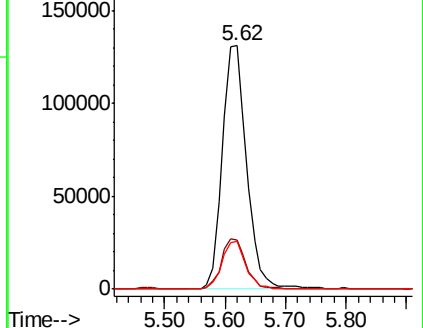
88 19.8 0.0 39.6

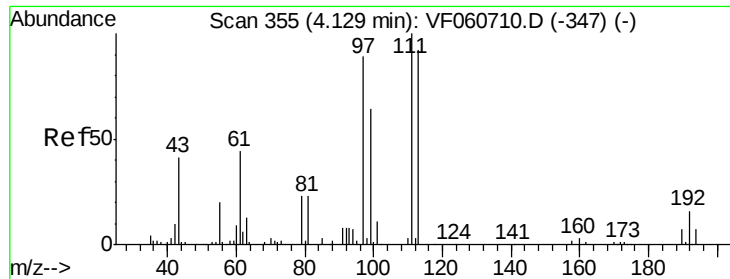


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





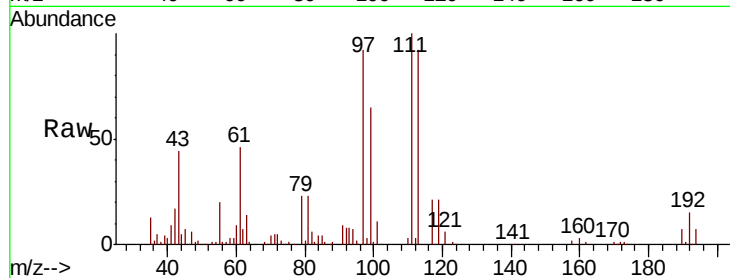
#35
 Dibromofluoromethane
 Concen: 46.811 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VF060710.D
 Acq: 13 Nov 2018 13:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	129753		
111	108.9	87.1	130.7	
192	17.2	13.8	20.6	

Manual Integrations
 APPROVED

sam
 11/14/2018 11:53:41 AM

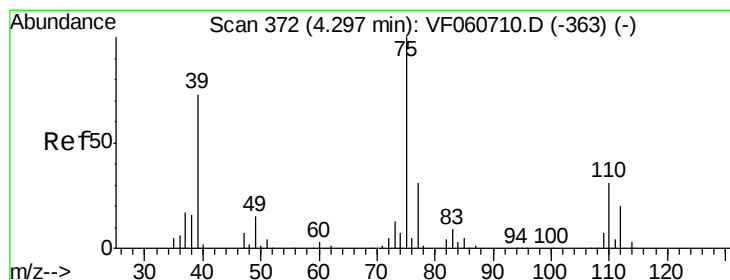
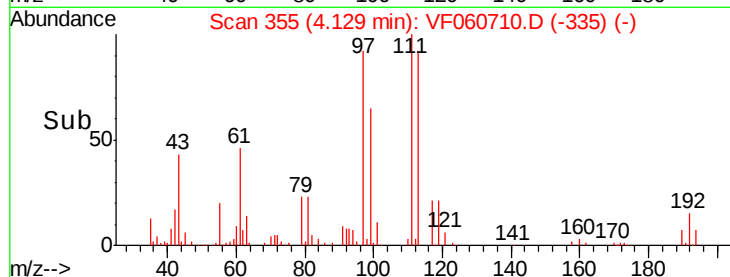
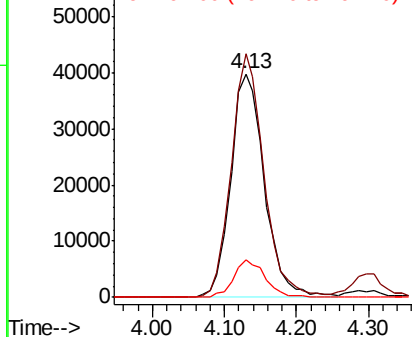


Abundance

Ion 113.00 (112.70 to 113.70): V

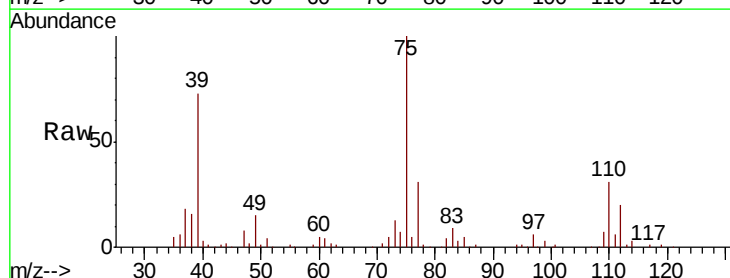
Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36
 1,1-Dichloropropene
 Concen: 51.182 ug/l
 RT: 4.30 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VF060710.D
 Acq: 13 Nov 2018 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	218883		
110	31.2	15.6	46.8	
77	31.3	25.0	37.6	

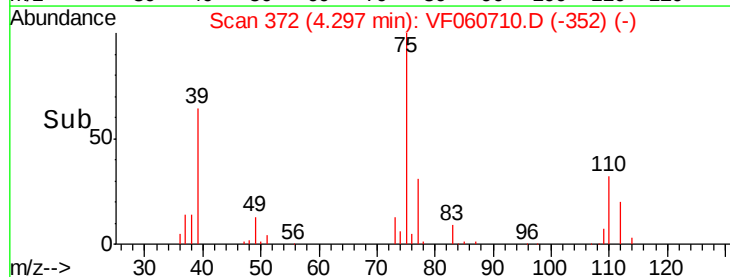
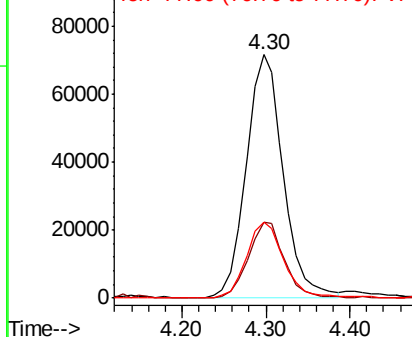


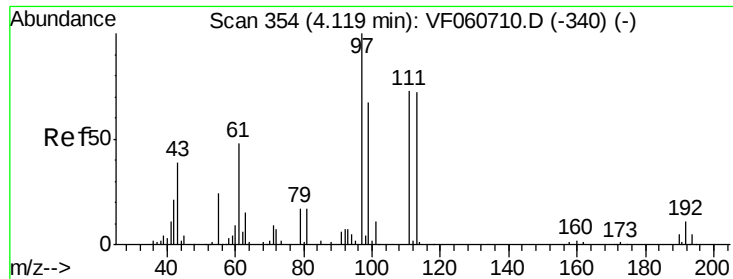
Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





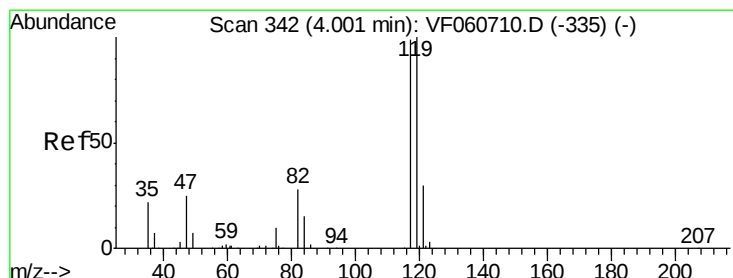
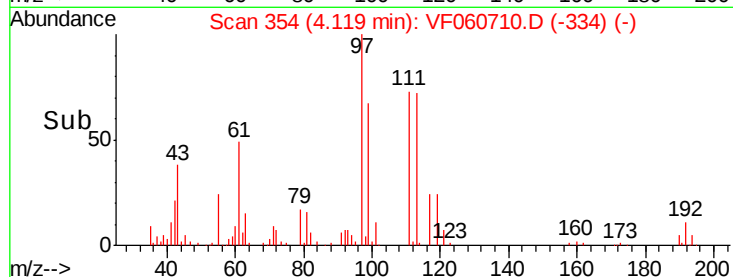
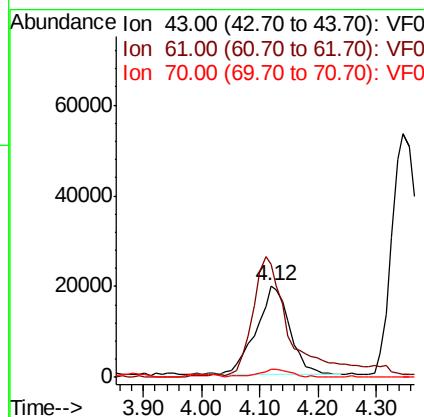
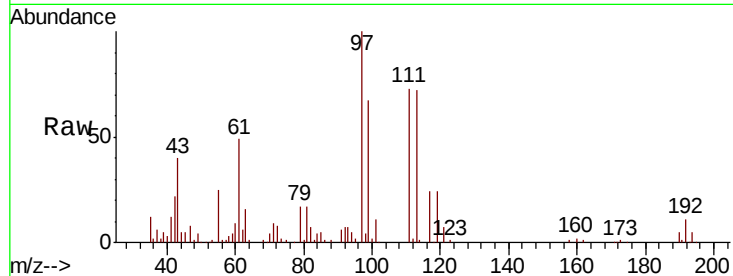
#37
Ethyl Acetate
Concen: 50.454 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	123.1	98.5	147.7
70	9.2	7.4	11.0

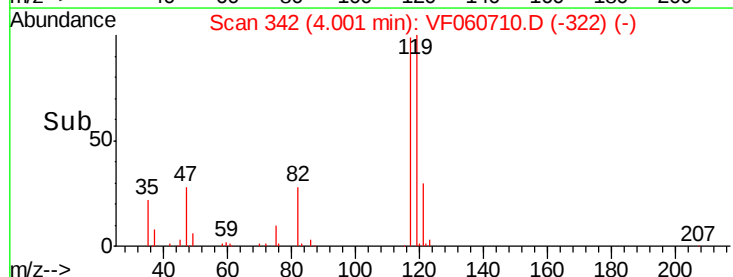
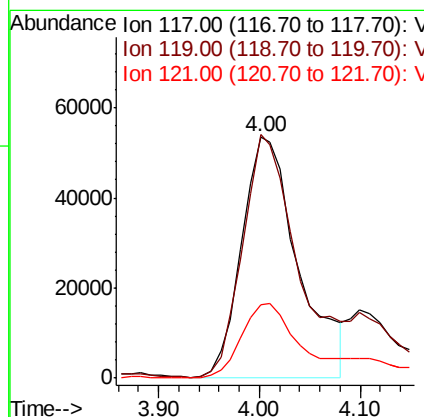
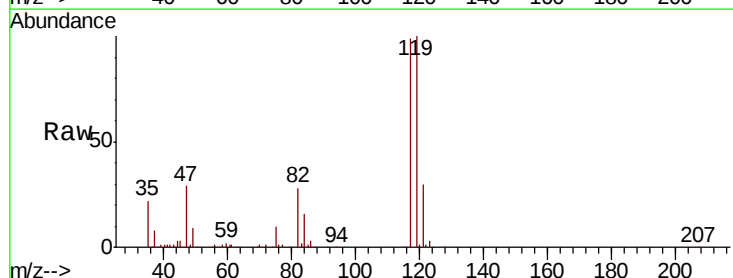
Manual Integrations
APPROVED

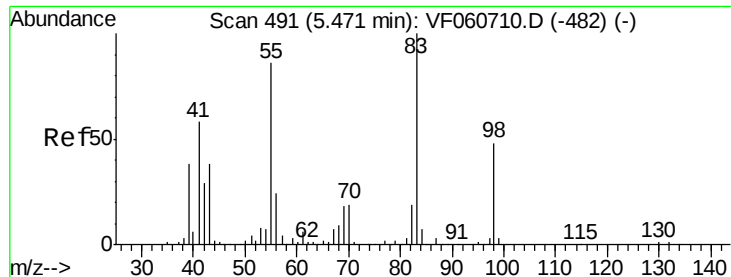
sam
11/14/2018 11:53:41 AM



#38
Carbon Tetrachloride
Concen: 50.089 ug/l
RT: 4.00 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.9	80.7	121.1
121	30.4	24.3	36.5





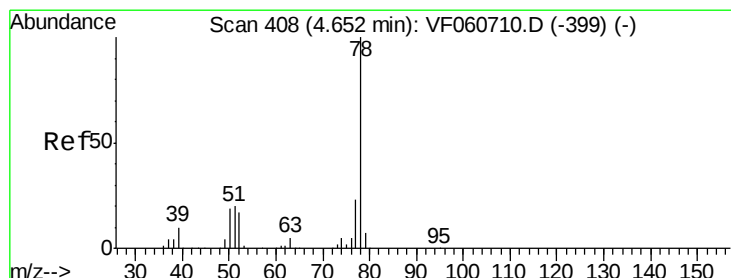
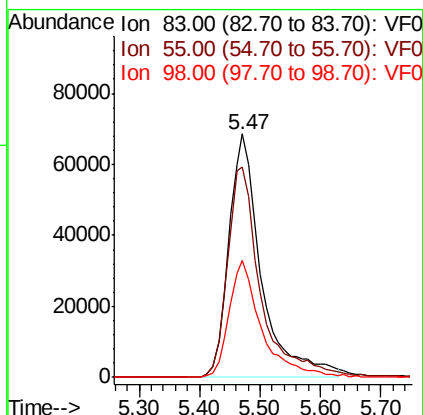
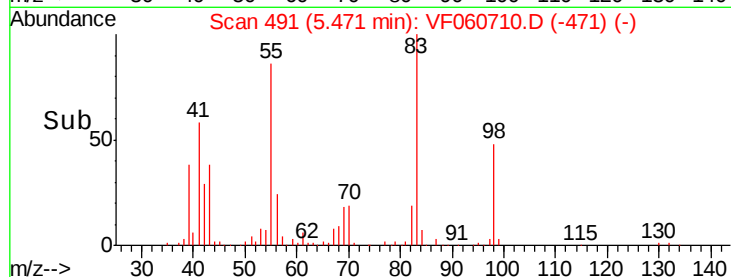
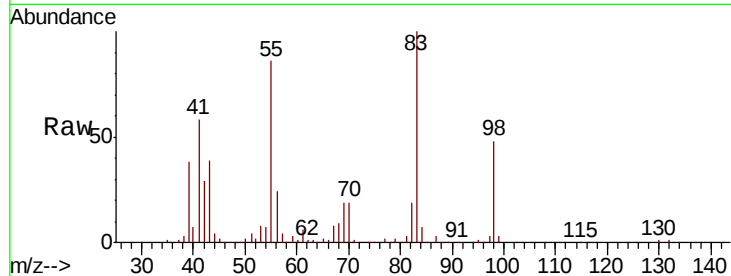
#39
Methylcyclohexane
Concen: 51.607 ug/l
RT: 5.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.2	69.0	103.4
98	48.1	38.5	57.7

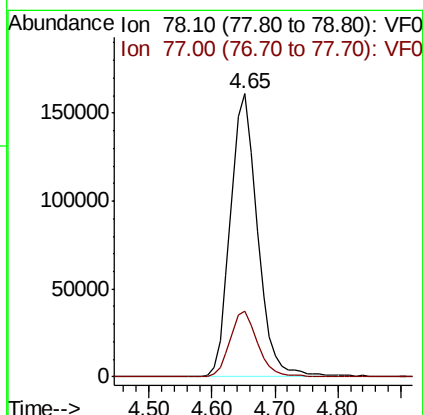
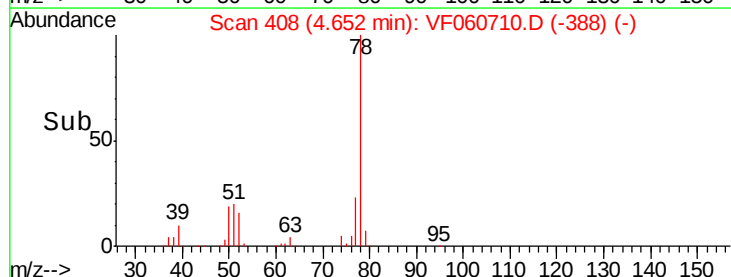
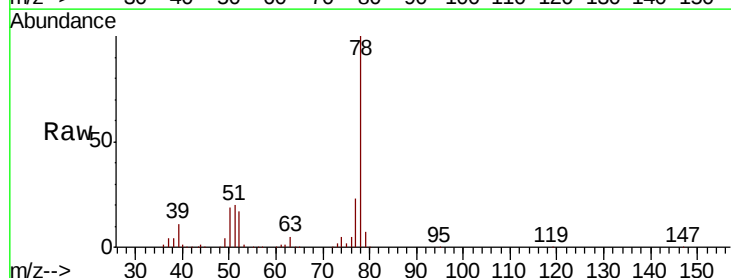
Manual Integrations
APPROVED

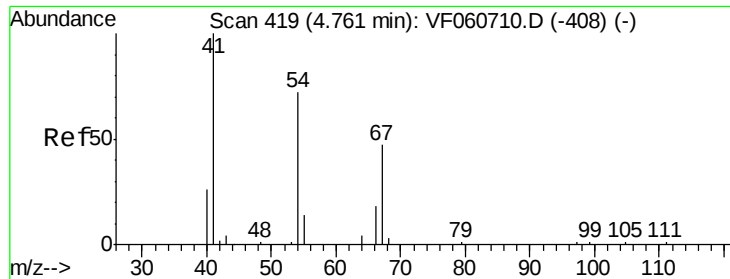
sam
11/14/2018 11:53:41 AM



#40
Benzene
Concen: 50.438 ug/l
RT: 4.65 min Scan# 408
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





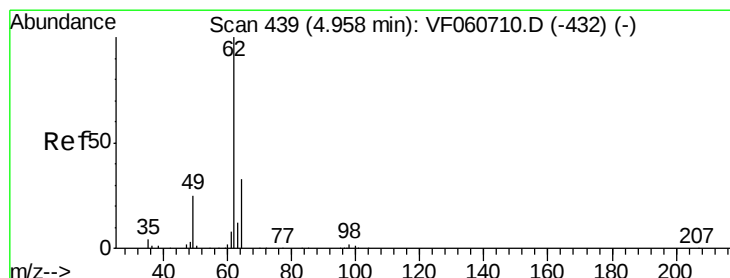
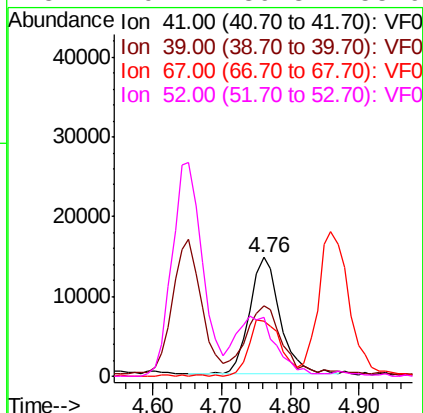
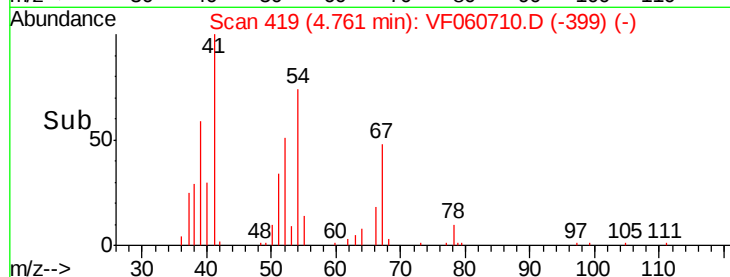
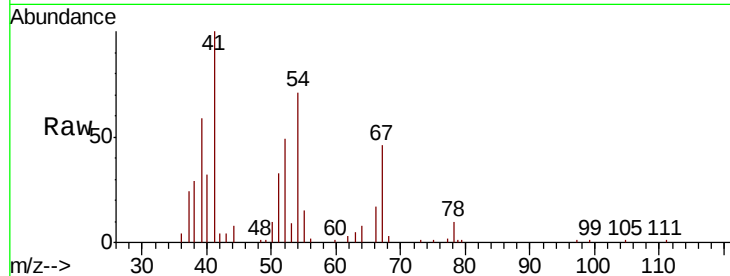
#41
Methacrylonitrile
Concen: 47.304 ug/l
RT: 4.76 min Scan# 419
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	41	Resp	45562
Ion	Ratio	Lower	Upper
41	100		
39	58.9	47.1	70.7
67	46.4	37.1	55.7
52	49.1	39.3	58.9

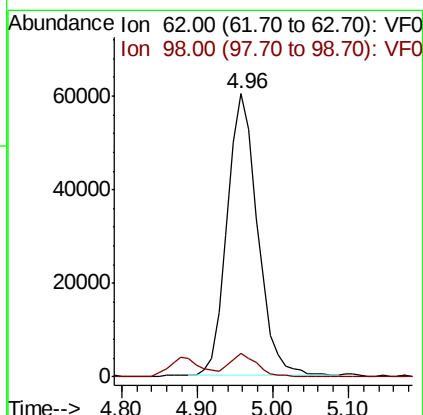
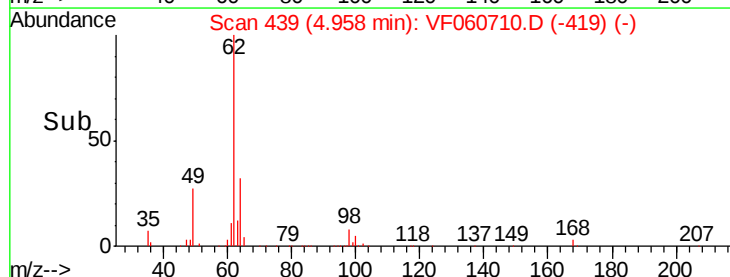
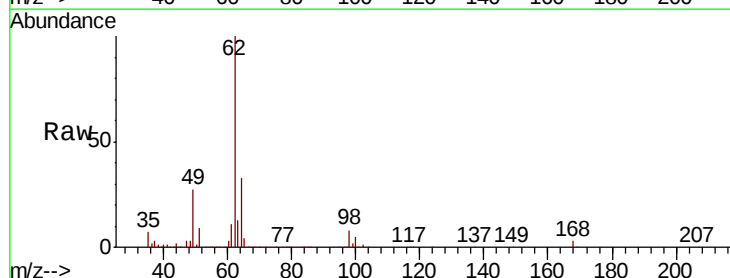
Manual Integrations
APPROVED

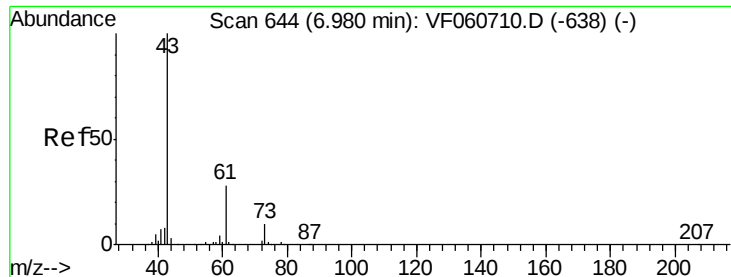
sam
11/14/2018 11:53:41 AM



#42
1,2-Dichloroethane
Concen: 50.883 ug/l
RT: 4.96 min Scan# 439
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Tgt Ion	62	Resp	167627
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6





#43

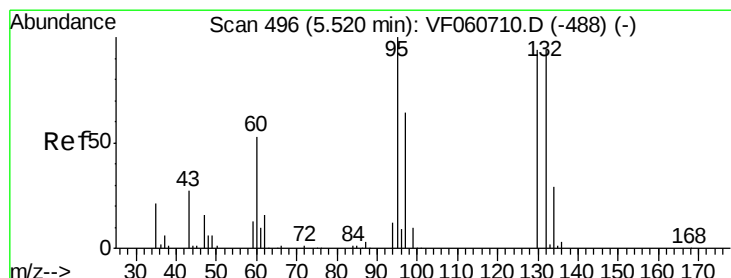
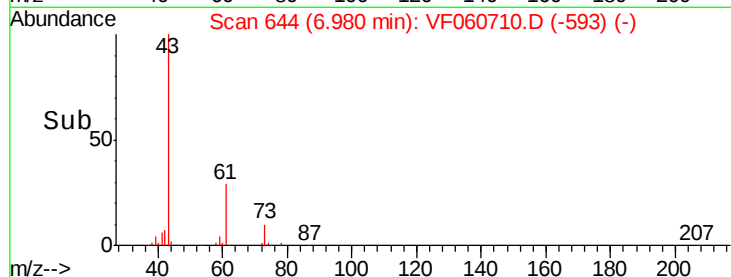
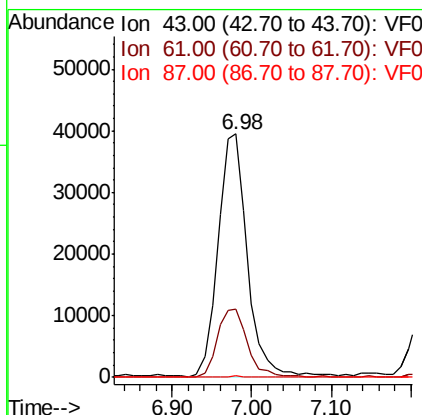
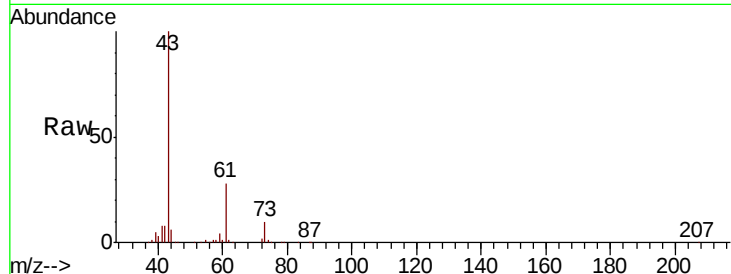
Isopropyl Acetate
 Concen: 48.179 ug/l
 RT: 6.98 min Scan# 644
 Delta R.T. 0.00 min
 Lab File: VF060710.D
 Acq: 13 Nov 2018 13:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.8	22.2	33.4
87	0.5	0.4	0.6

Manual Integrations
 APPROVED

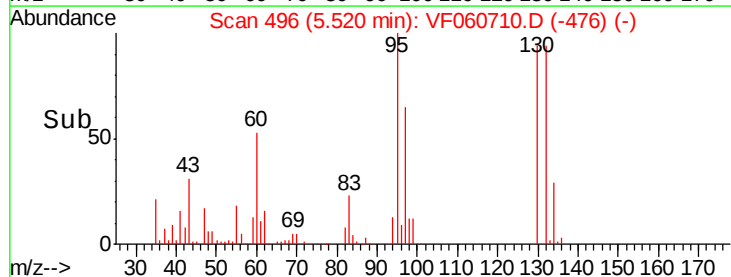
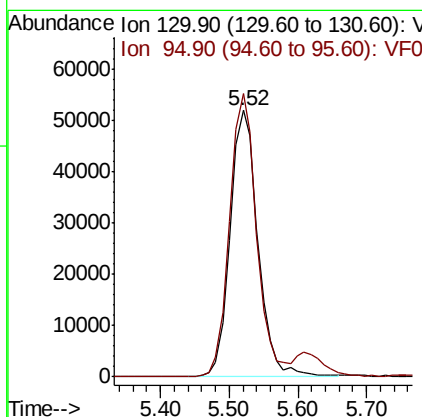
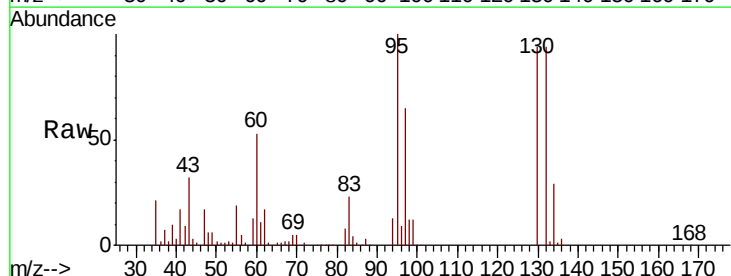
sam
 11/14/2018 11:53:41 AM

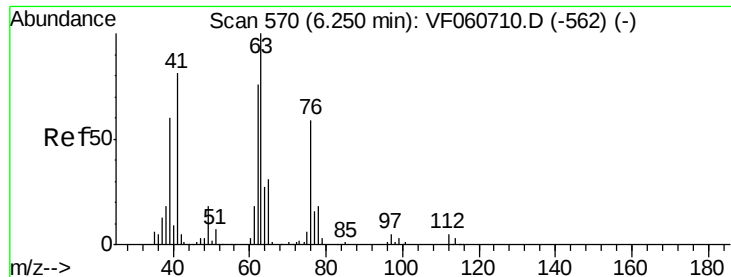


#44

Trichloroethene
 Concen: 48.372 ug/l
 RT: 5.52 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VF060710.D
 Acq: 13 Nov 2018 13:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.3	0.0	212.6





#45

1,2-Dichloropropane

Concen: 48.615 ug/l

RT: 6.25 min Scan# 570

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 120598

Ion Ratio Lower Upper

63 100

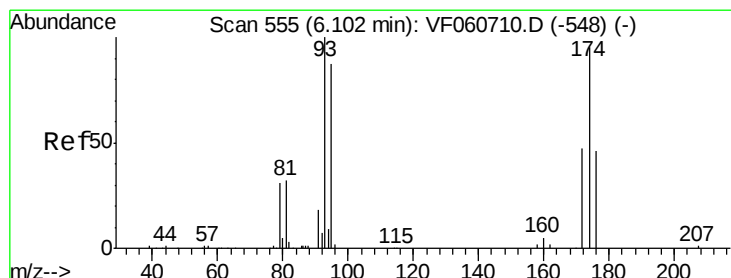
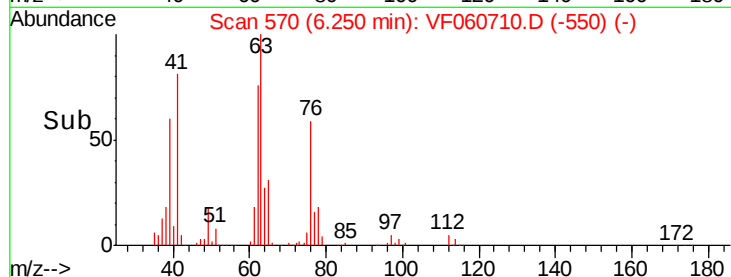
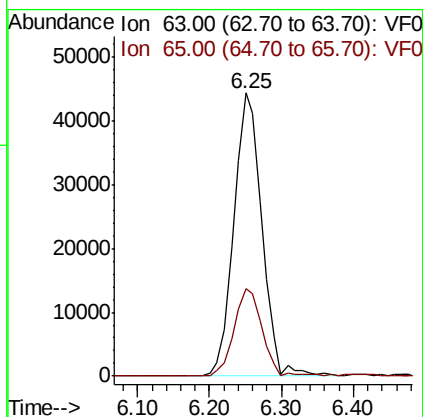
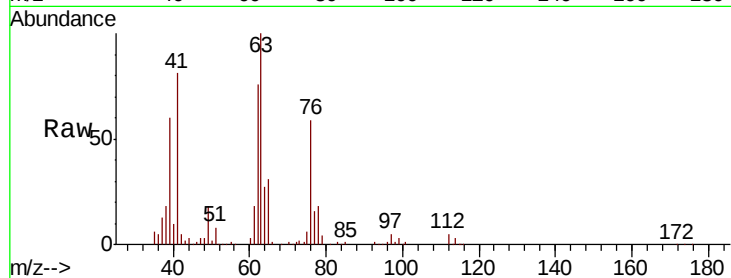
65 30.7 24.6 36.8

Manual Integrations

APPROVED

sam

11/14/2018 11:53:41 AM



#46

Dibromomethane

Concen: 51.503 ug/l

RT: 6.10 min Scan# 555

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

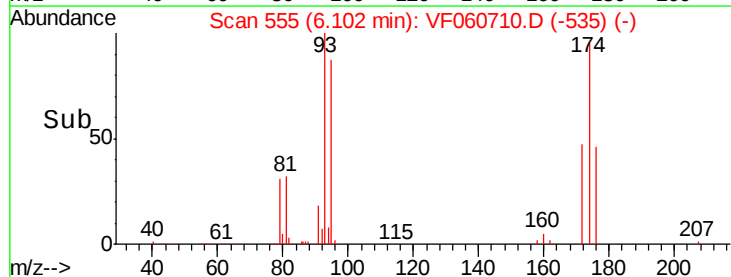
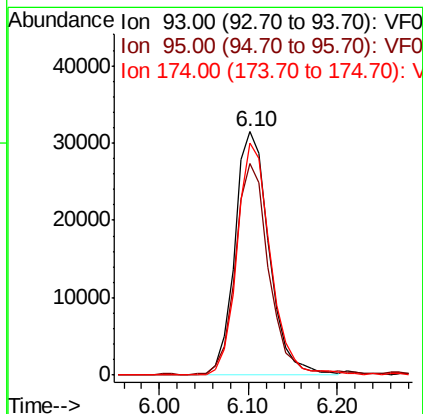
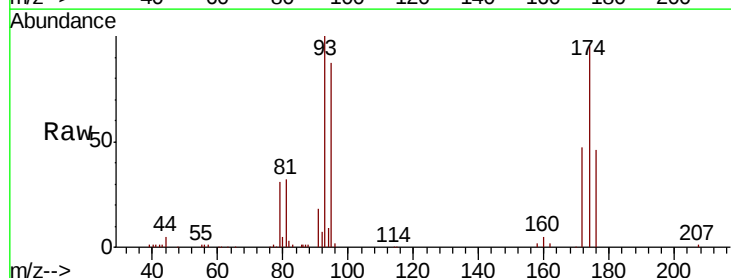
Tgt Ion: 93 Resp: 84337

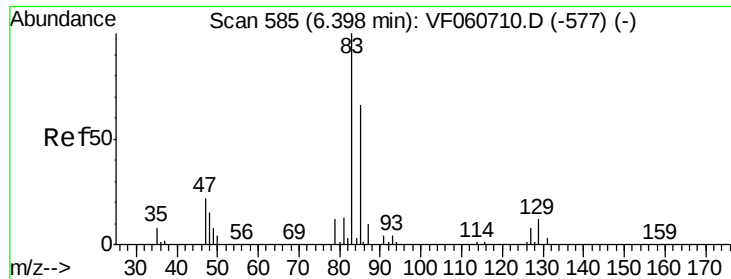
Ion Ratio Lower Upper

93 100

95 86.9 69.5 104.3

174 95.2 76.2 114.2





#47

Bromodichloromethane

Concen: 53.723 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Instrument :

MSVOA_F

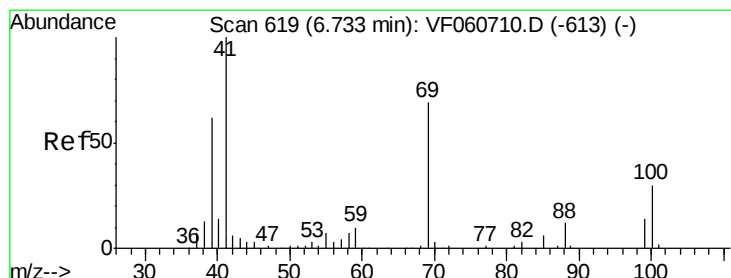
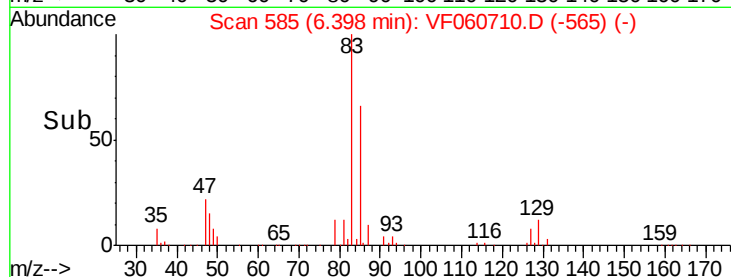
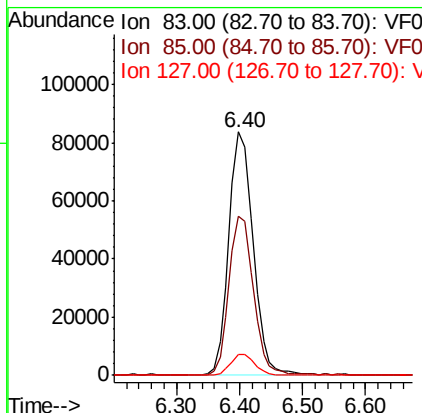
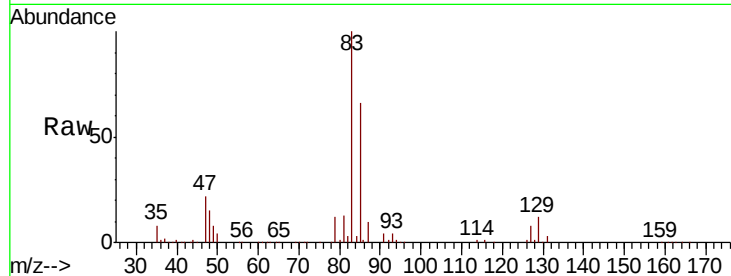
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	224649
Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.4	78.6
127	8.5	6.8	10.2

Manual Integrations
APPROVED

sam
11/14/2018 11:53:41 AM



#48

Methyl methacrylate

Concen: 48.310 ug/l

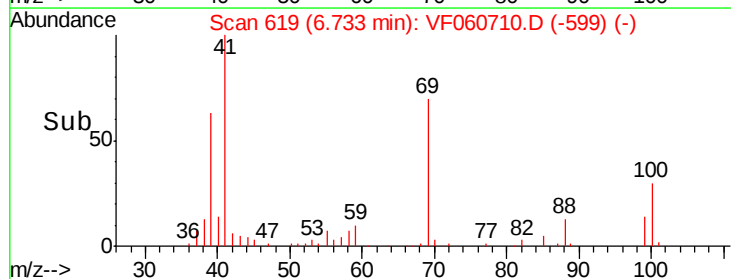
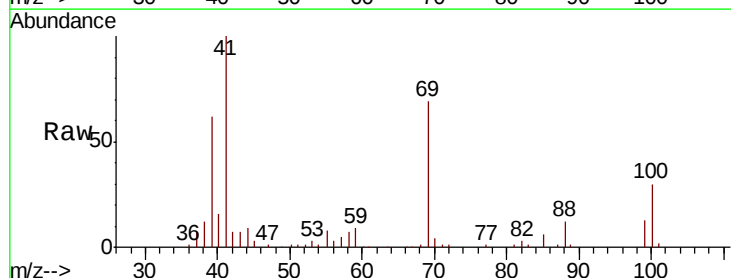
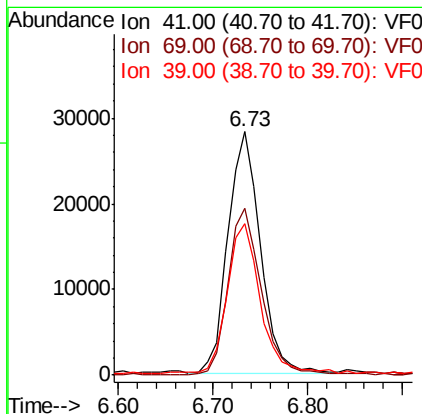
RT: 6.73 min Scan# 619

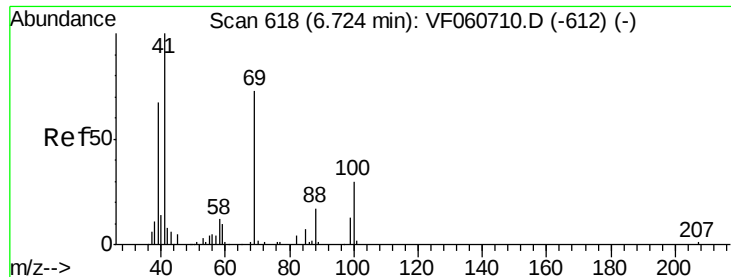
Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Tgt Ion:	41	Resp:	67400
Ion	Ratio	Lower	Upper
41	100		
69	68.6	54.9	82.3
39	62.0	49.6	74.4





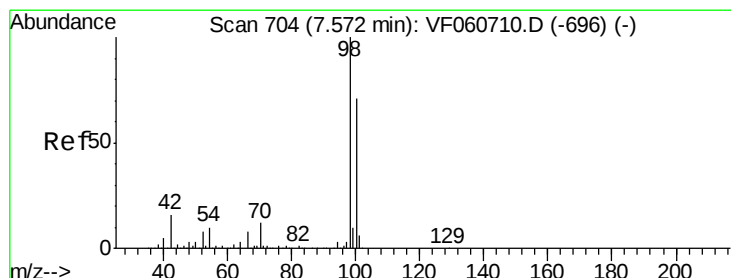
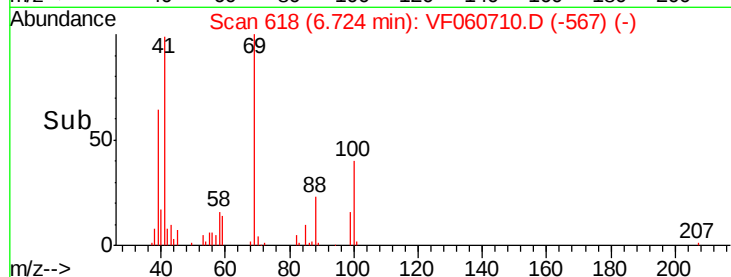
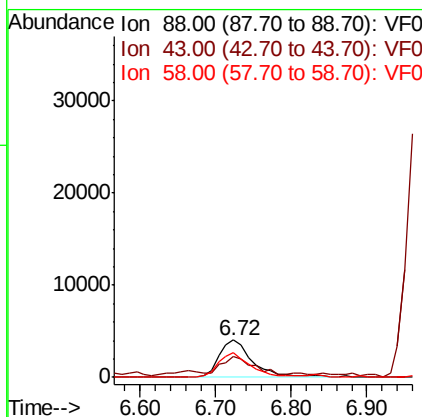
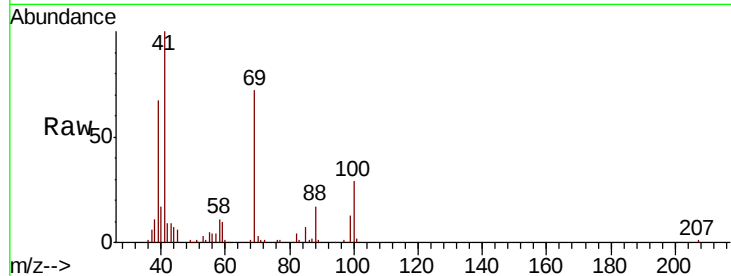
#49
1,4-Dioxane
Concen: 951.717 ug/l
RT: 6.72 min Scan# 618
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	55.7	44.6	66.8
58	68.1	54.5	81.7

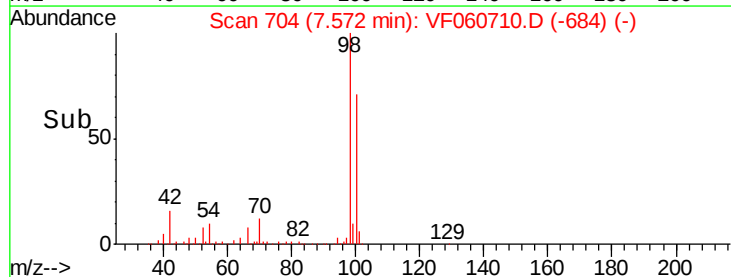
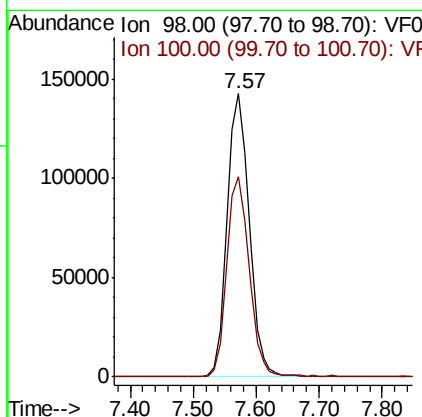
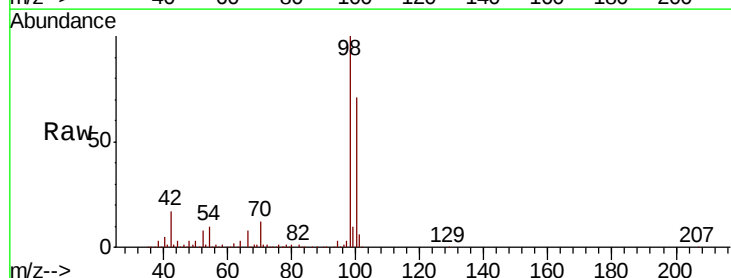
Manual Integrations
APPROVED

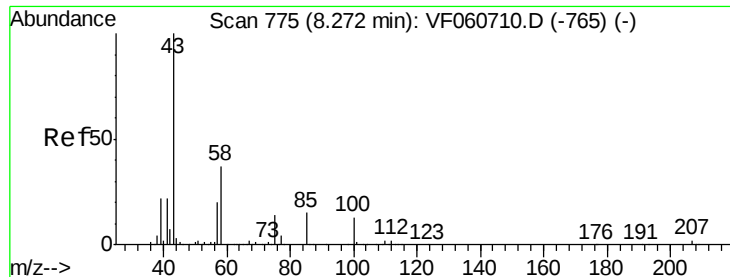
sam
11/14/2018 11:53:41 AM



#50
Toluene-d8
Concen: 43.472 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.6	56.5	84.7





#51

4-Methyl-2-Pentanone

Concen: 242.168 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 369222

Ion Ratio Lower Upper

43 100

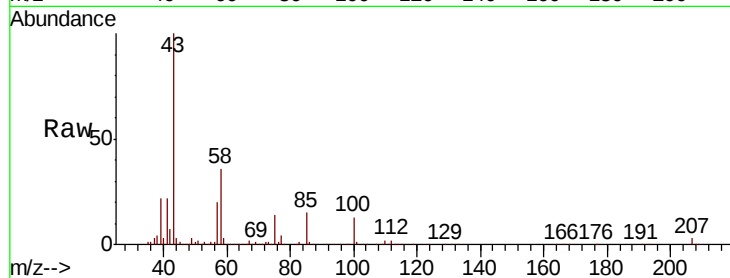
58 36.5 29.2 43.8

Manual Integrations

APPROVED

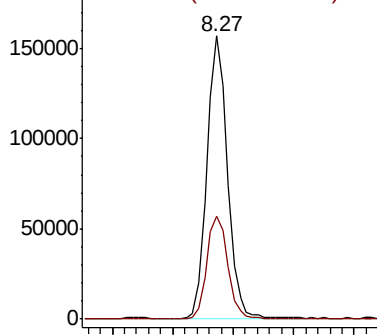
sam

11/14/2018 11:53:41 AM

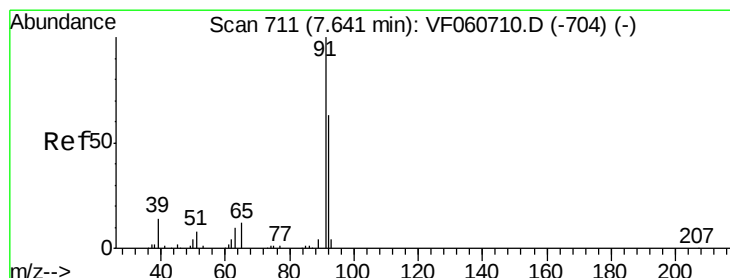
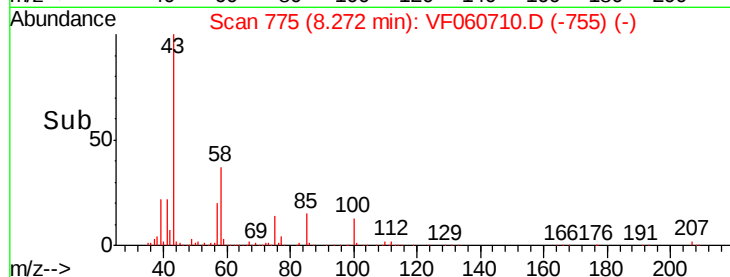


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#52

Toluene

Concen: 49.240 ug/l

RT: 7.64 min Scan# 711

Delta R.T. 0.00 min

Lab File: VF060710.D

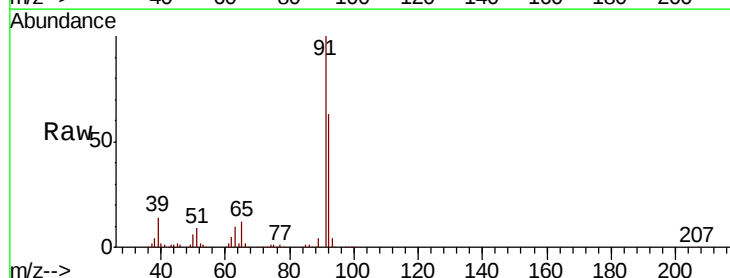
Acq: 13 Nov 2018 13:04

Tgt Ion: 92 Resp: 314562

Ion Ratio Lower Upper

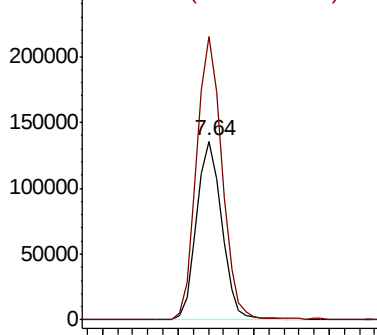
92 100

91 158.4 126.7 190.1

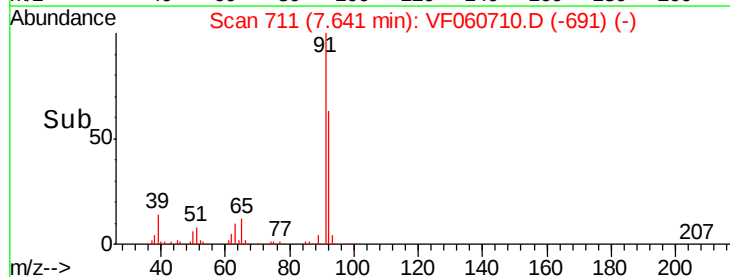


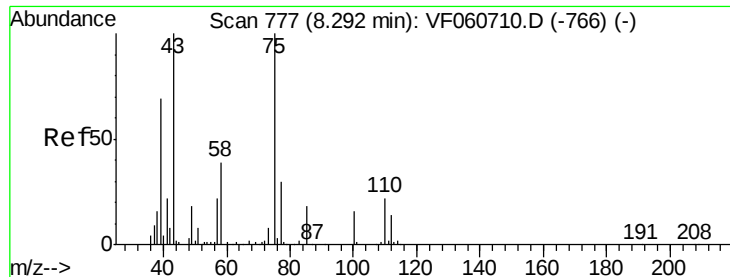
Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



Time-->





#53

t-1,3-Dichloropropene

Concen: 48.876 ug/l

RT: 8.29 min Scan# 777

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Tot Ion: 75 Resp: 163696

Ion Ratio Lower Upper

75 100

77 30.7 24.6 36.8

Instrument :

MSVOA_F

ClientSampleId :

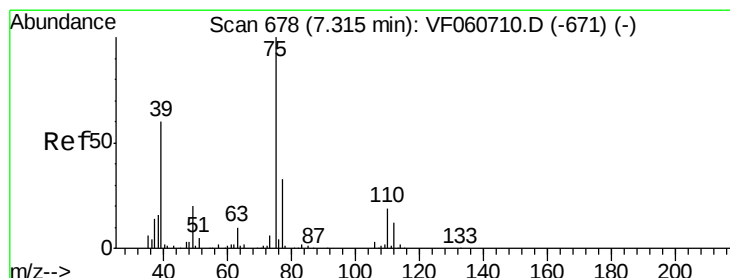
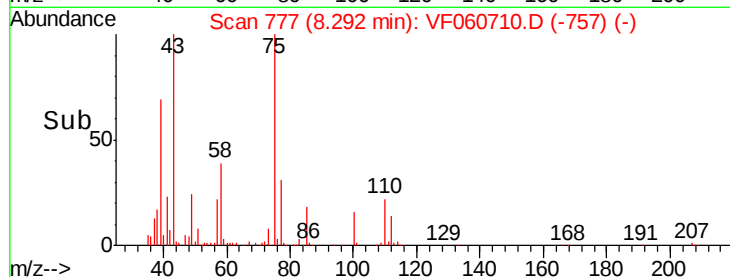
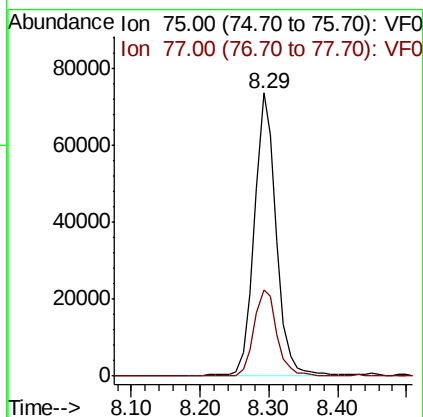
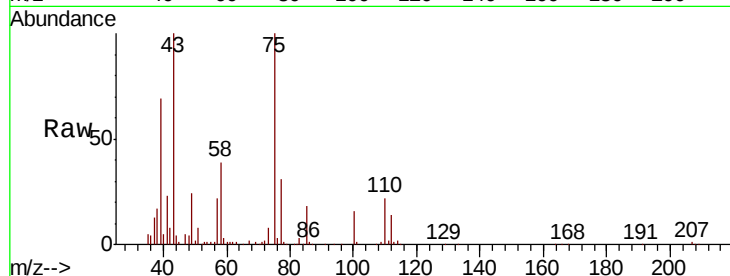
VSTDICCC050

Manual Integrations

APPROVED

sam

11/14/2018 11:53:41 AM



#54

cis-1,3-Dichloropropene

Concen: 46.520 ug/l

RT: 7.32 min Scan# 678

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

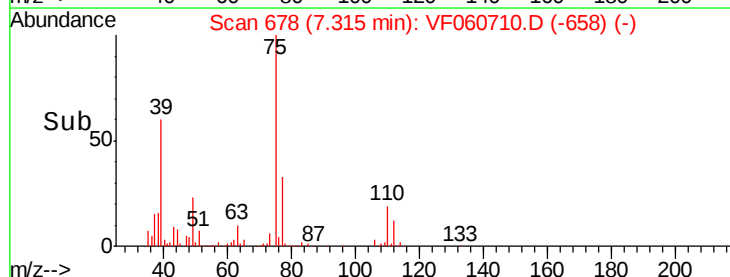
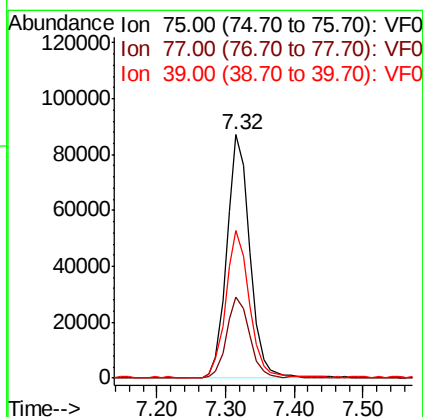
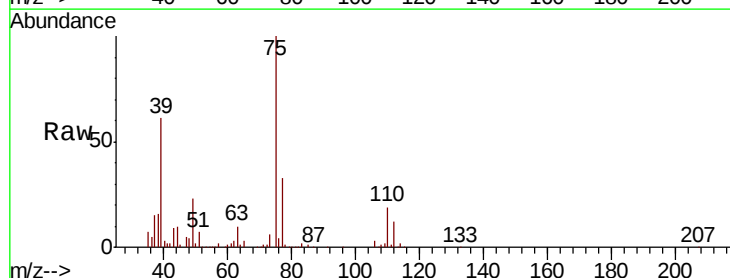
Tgt Ion: 75 Resp: 202380

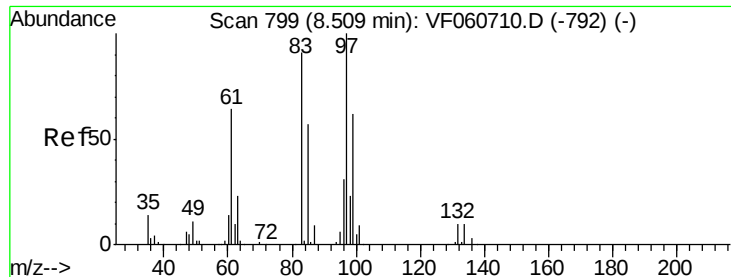
Ion Ratio Lower Upper

75 100

77 33.1 26.5 39.7

39 60.6 48.5 72.7





#55

1,1,2-Trichloroethane

Concen: 51.225 ug/l

RT: 8.51 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Instrument :

MSVOA_F

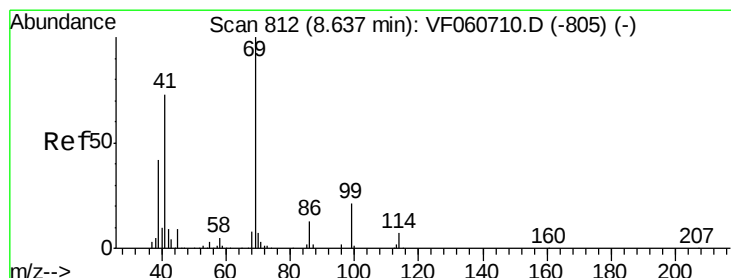
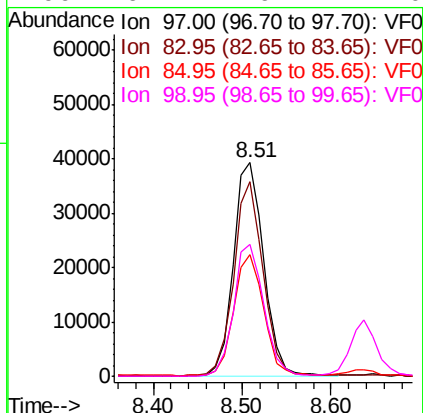
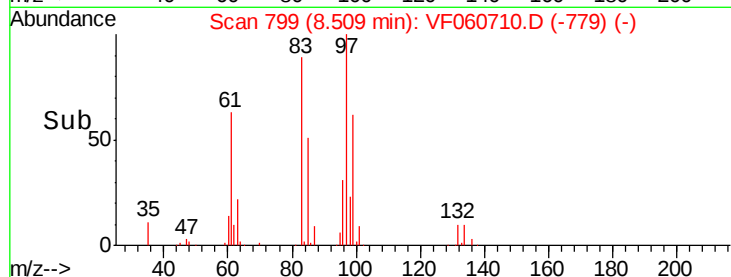
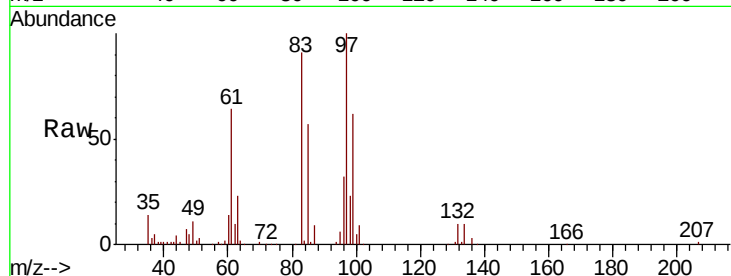
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	93500
Ion	Ratio	Lower	Upper
97	100		
83	91.0	72.8	109.2
85	57.2	45.8	68.6
99	61.7	49.4	74.0

Manual Integrations
APPROVED

sam
11/14/2018 11:53:41 AM



#56

Ethyl methacrylate

Concen: 50.671 ug/l

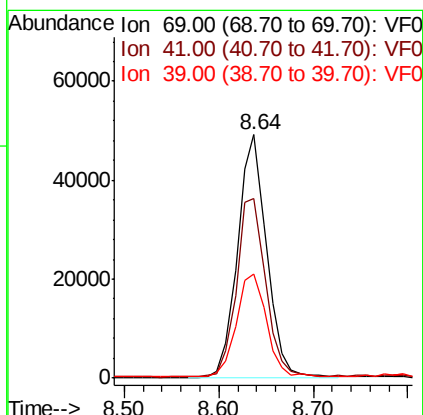
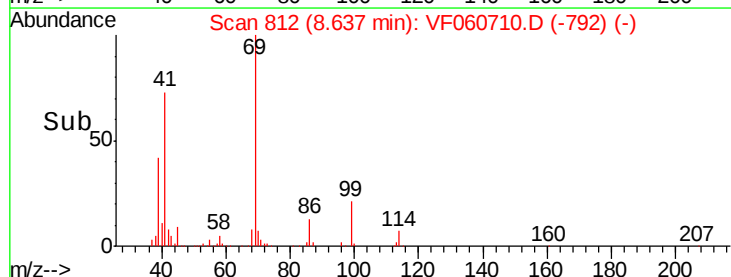
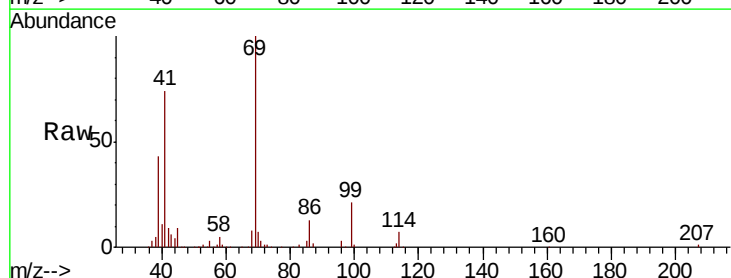
RT: 8.64 min Scan# 812

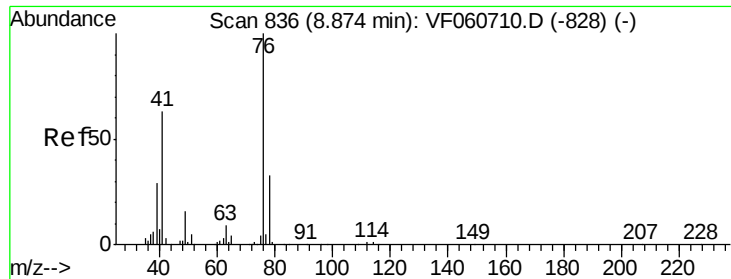
Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Tgt Ion:	69	Resp:	105039
Ion	Ratio	Lower	Upper
69	100		
41	73.8	59.0	88.6
39	42.5	34.0	51.0





#57

1,3-Dichloropropane

Concen: 48.607 ug/l

RT: 8.87 min Scan# 836

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 153759

Ion Ratio Lower Upper

76 100

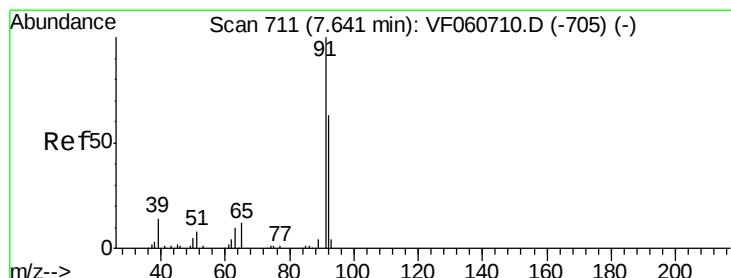
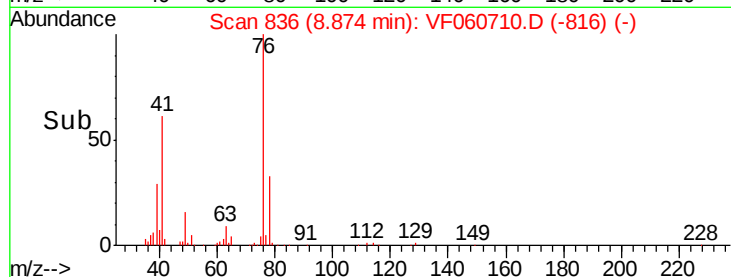
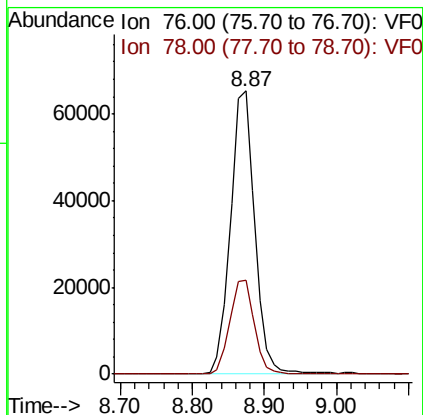
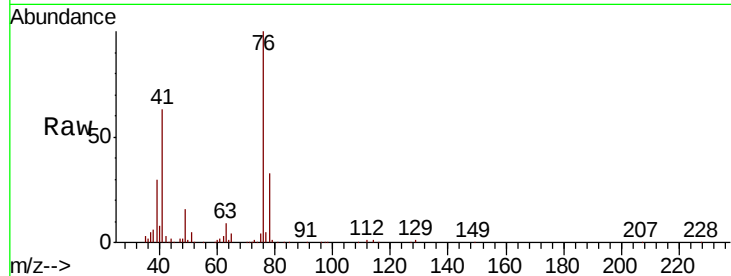
78 33.2 26.6 39.8

Manual Integrations

APPROVED

sam

11/14/2018 11:53:41 AM



#58

2-Chloroethyl Vinyl ether

Concen: 259.349 ug/l

RT: 7.64 min Scan# 711

Delta R.T. 0.00 min

Lab File: VF060710.D

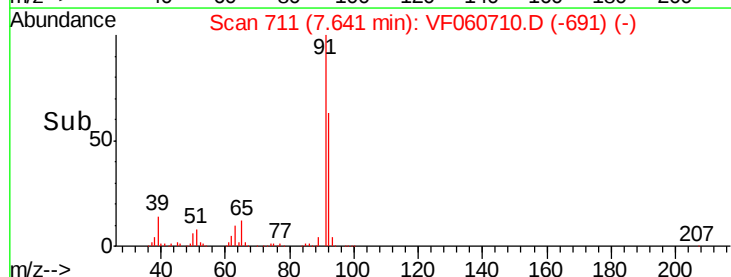
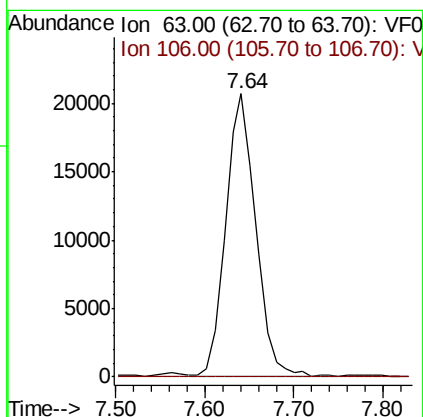
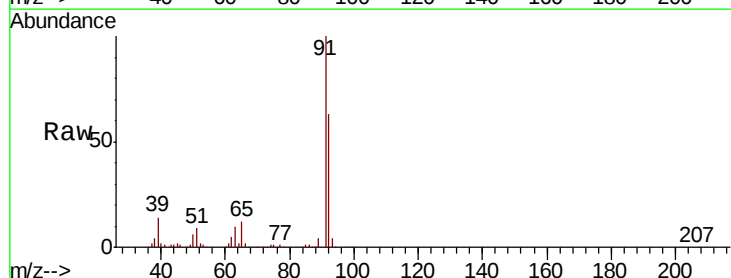
Acq: 13 Nov 2018 13:04

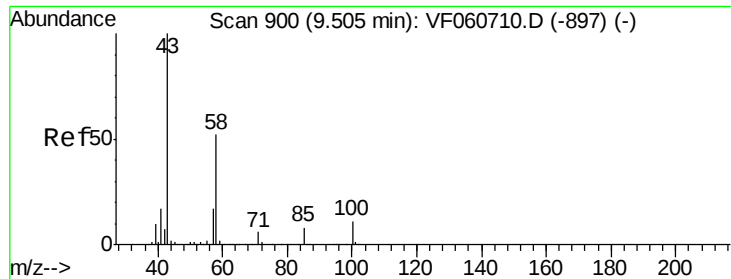
Tgt Ion: 63 Resp: 49111

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





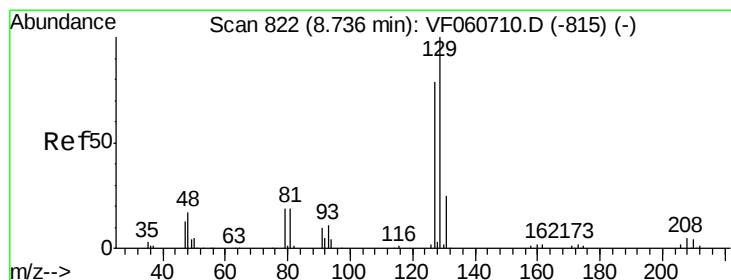
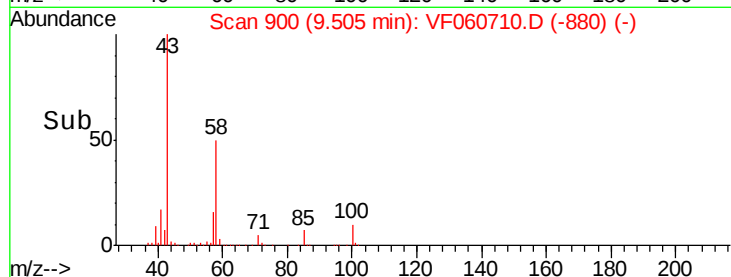
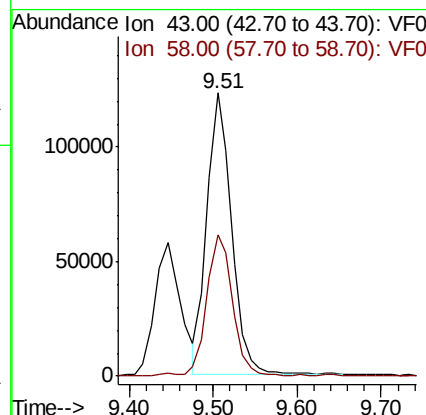
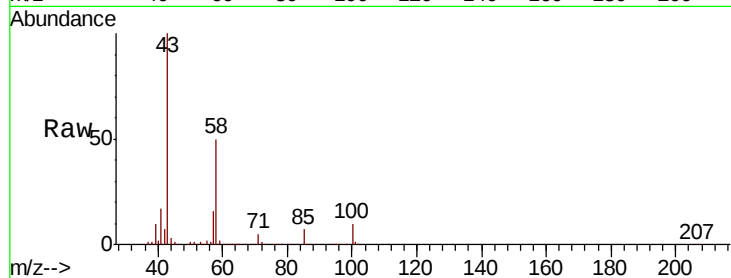
#59
2-Hexanone
Concen: 234.378 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 251131
Ion Ratio Lower Upper
43 100
58 49.8 24.9 74.7

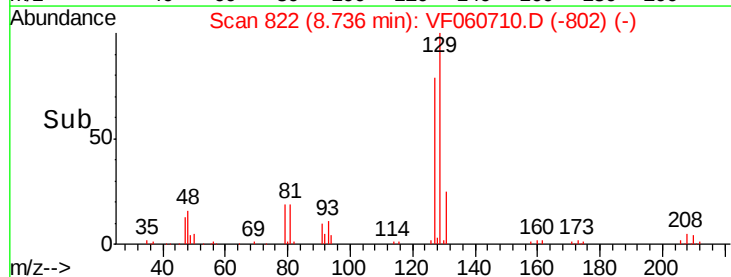
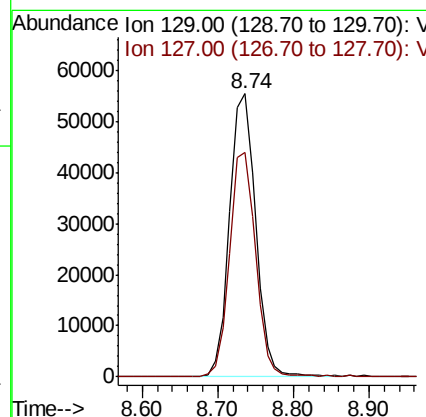
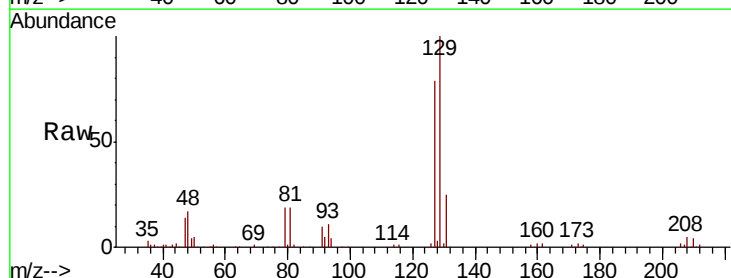
Manual Integrations
APPROVED

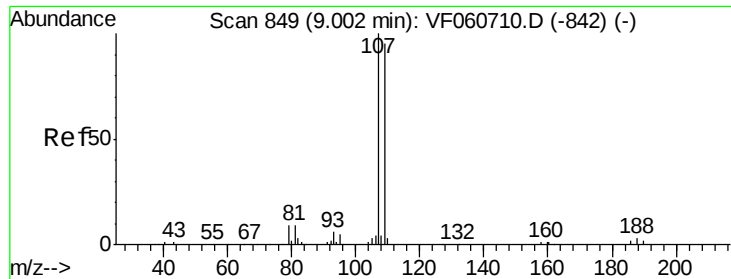
sam
11/14/2018 11:53:41 AM



#60
Dibromochloromethane
Concen: 51.147 ug/l
RT: 8.74 min Scan# 822
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Tgt Ion: 129 Resp: 133051
Ion Ratio Lower Upper
129 100
127 79.4 39.7 119.1





#61

1,2-Dibromoethane

Concen: 52.211 ug/l

RT: 9.00 min Scan# 849

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 100225

Ion Ratio Lower Upper

107 100

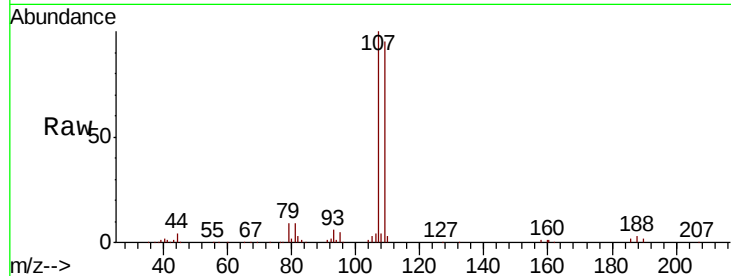
109 94.9 75.9 113.9

Manual Integrations

APPROVED

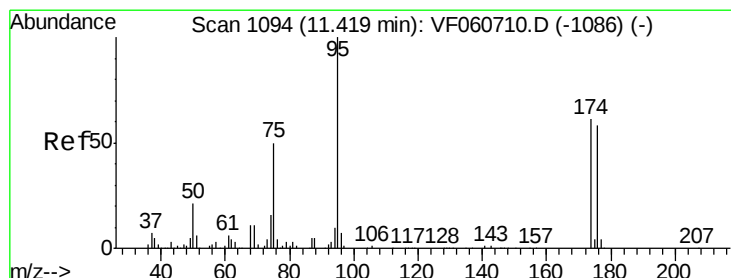
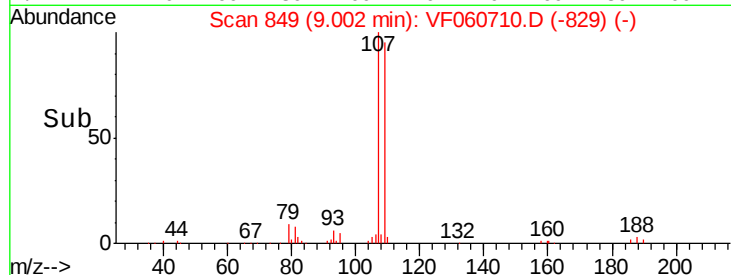
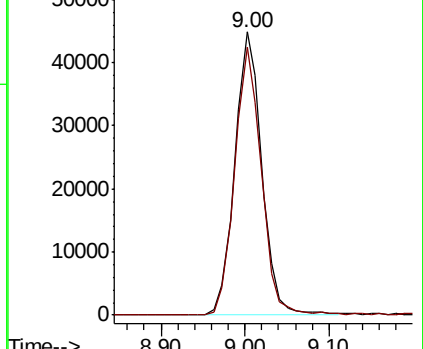
sam

11/14/2018 11:53:41 AM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 44.866 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

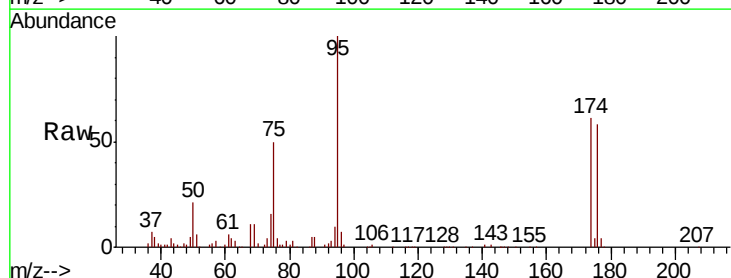
Tgt Ion: 95 Resp: 168016

Ion Ratio Lower Upper

95 100

174 60.8 0.0 121.6

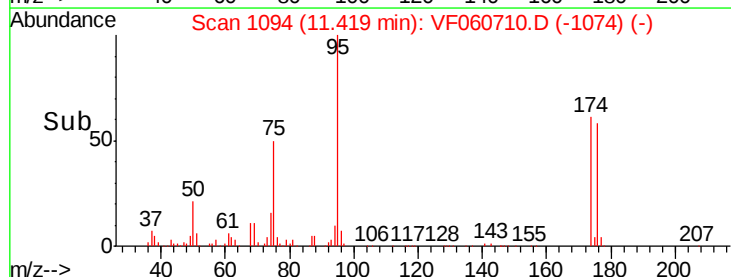
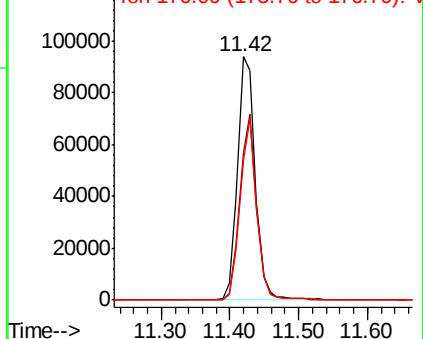
176 57.6 0.0 115.2

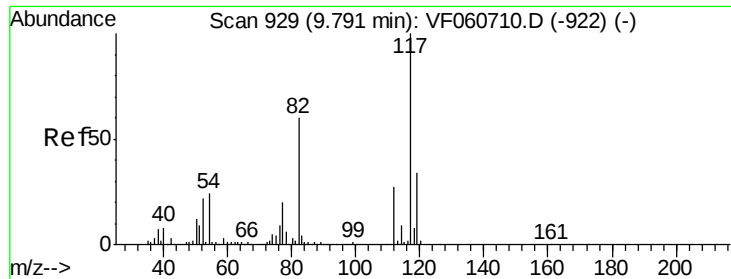


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





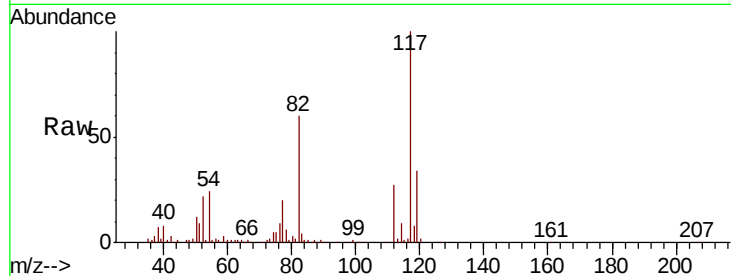
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	319084		
82	59.9		47.9	71.9
119	33.5		26.8	40.2

Manual Integrations
APPROVED

sam
11/14/2018 11:53:41 AM

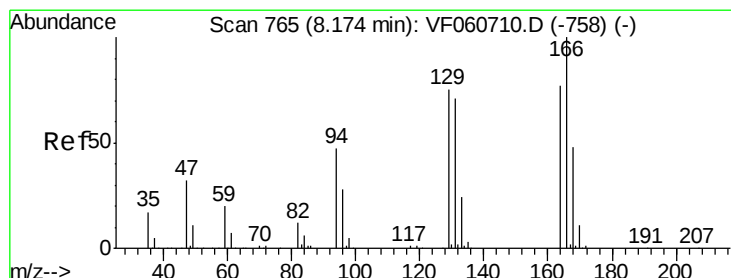
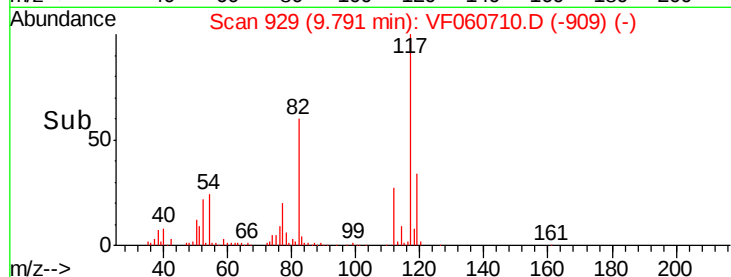
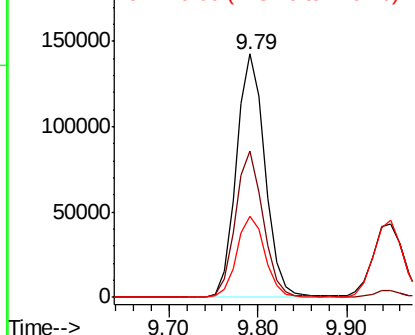


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 54.790 ug/l
RT: 8.17 min Scan# 765
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	138444		
166	129.4		103.5	155.3
129	96.8		77.4	116.2
131	91.9		73.5	110.3

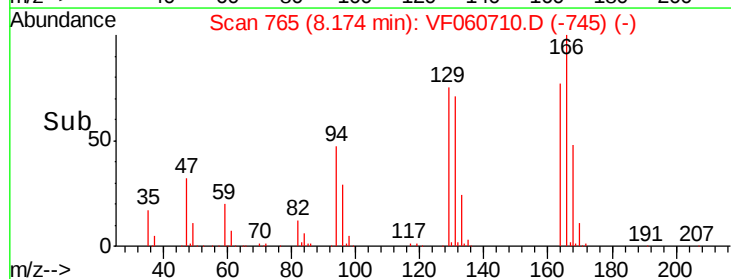
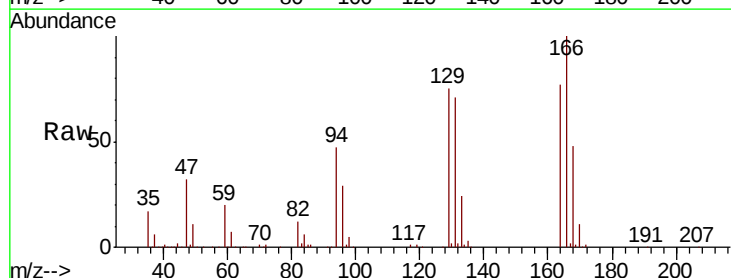
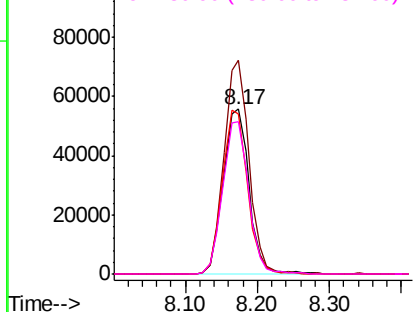
Abundance

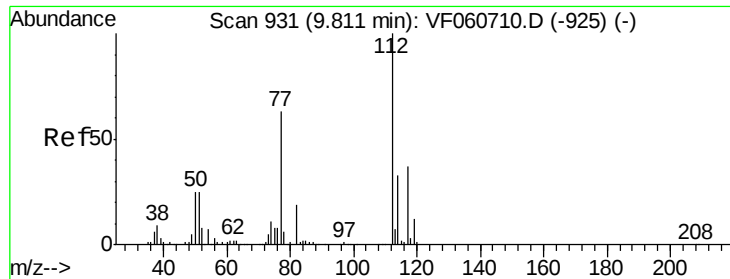
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





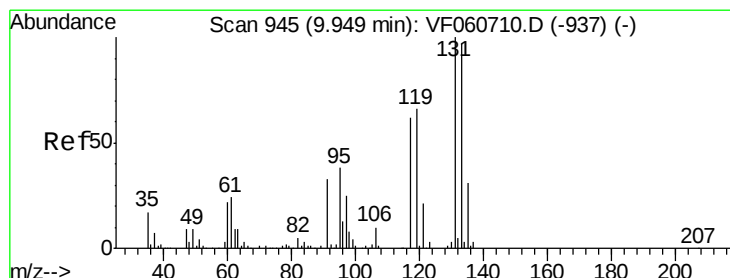
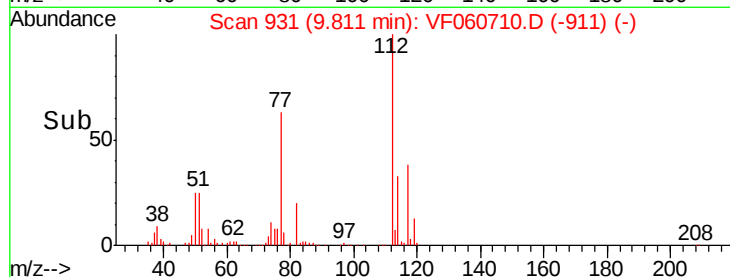
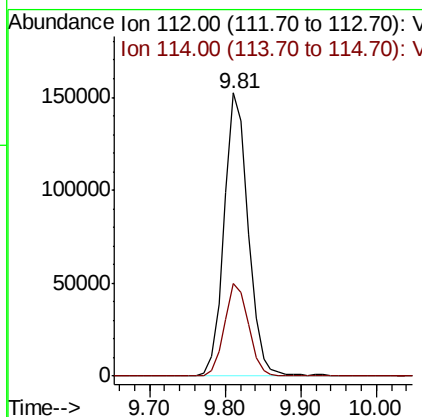
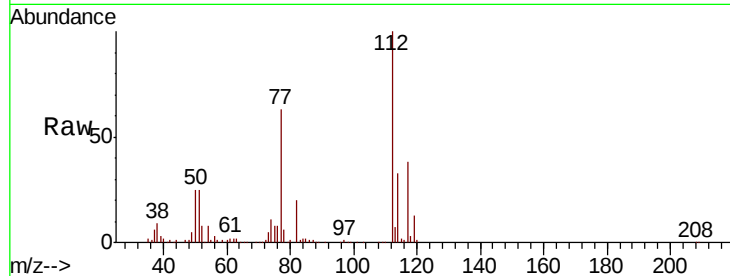
#65
Chlorobenzene
Concen: 52.218 ug/l
RT: 9.81 min Scan# 931
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.1	39.1

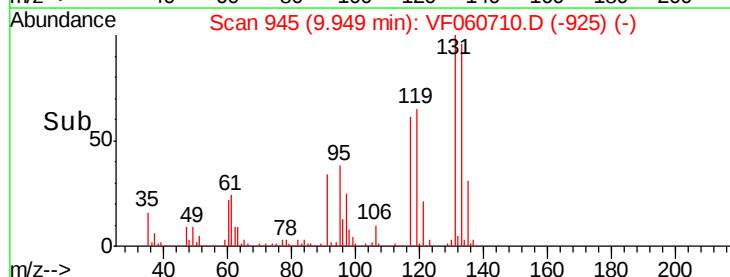
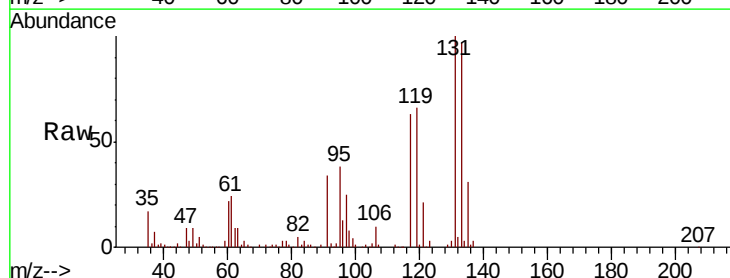
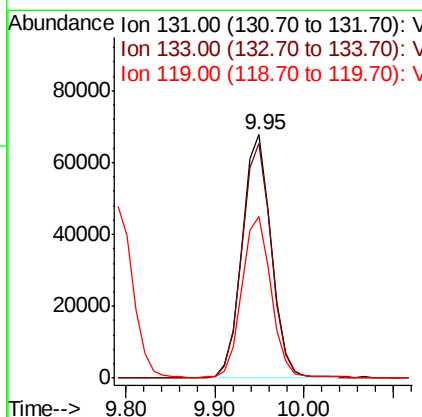
Manual Integrations
APPROVED

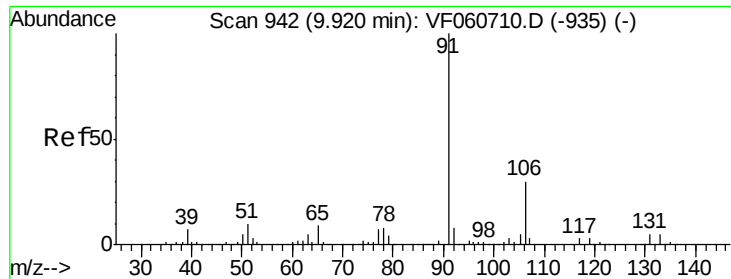
sam
11/14/2018 11:53:41 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.646 ug/l
RT: 9.95 min Scan# 945
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.3	144.8
119	66.4	33.2	99.6





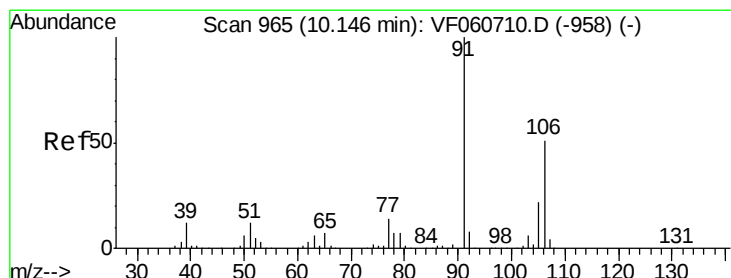
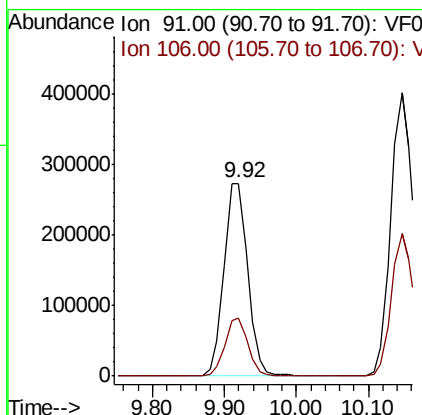
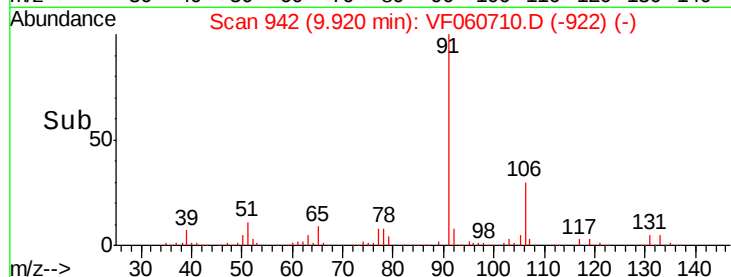
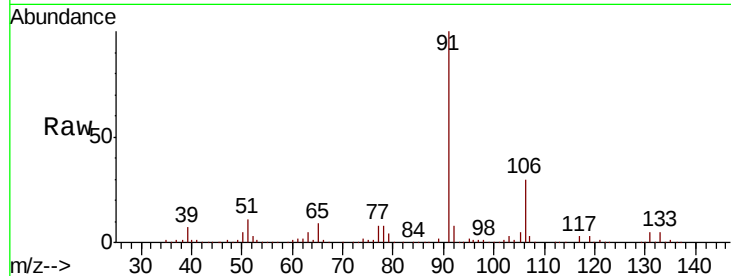
#67
Ethyl Benzene
Concen: 51.842 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 629208
Ion Ratio Lower Upper
91 100
106 29.9 23.9 35.9

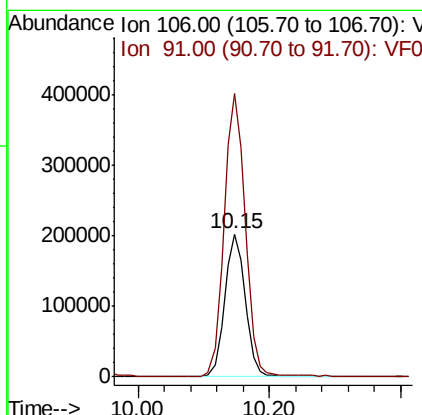
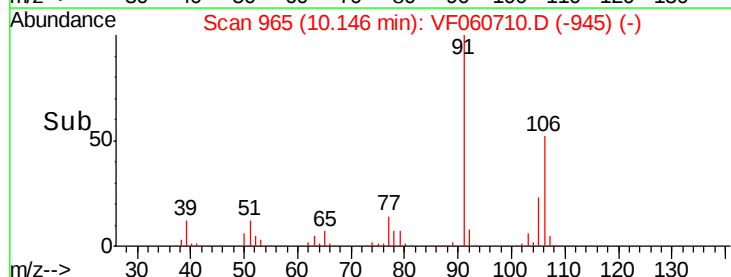
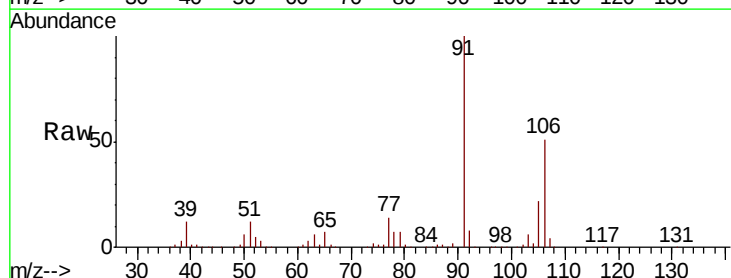
Manual Integrations
APPROVED

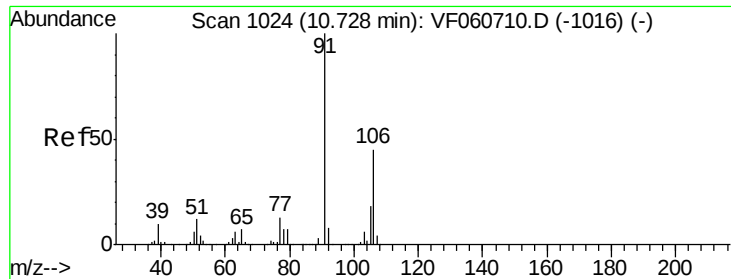
sam
11/14/2018 11:53:41 AM



#68
m/p-Xylenes
Concen: 101.831 ug/l
RT: 10.15 min Scan# 965
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Tgt Ion: 106 Resp: 441683
Ion Ratio Lower Upper
106 100
91 197.7 158.2 237.2





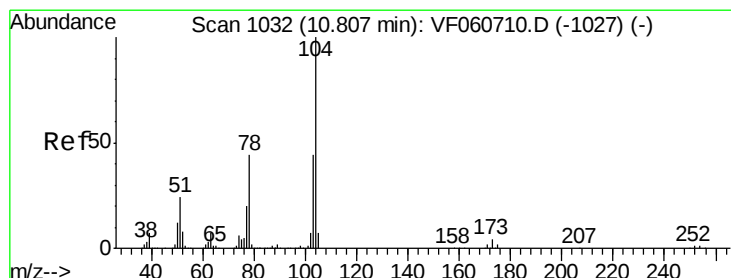
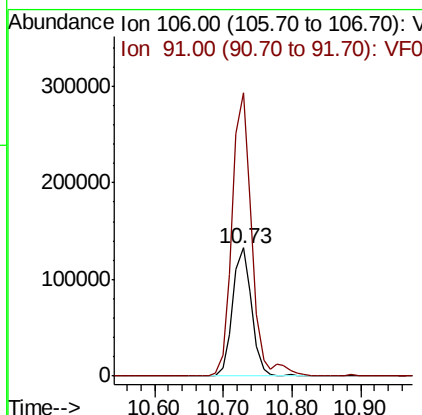
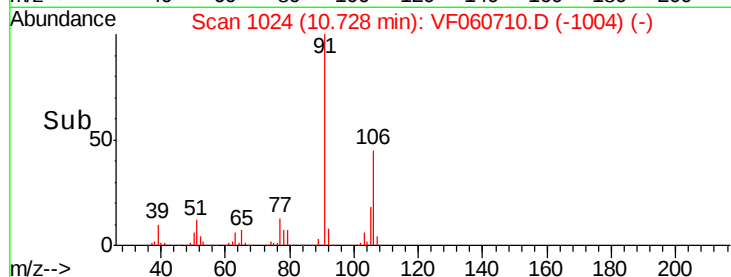
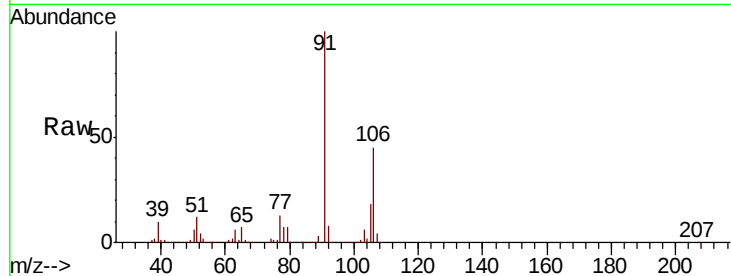
#69
o-Xylene
Concen: 52.148 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	220.6	110.3	330.9

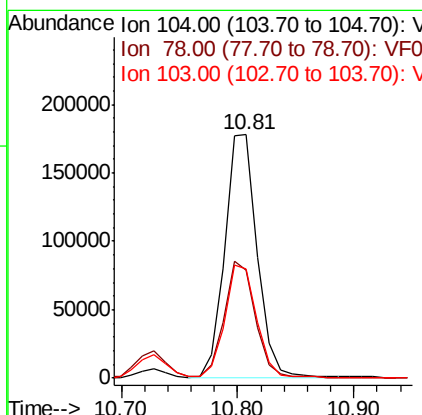
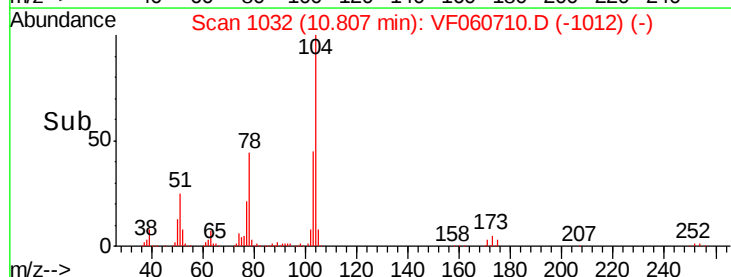
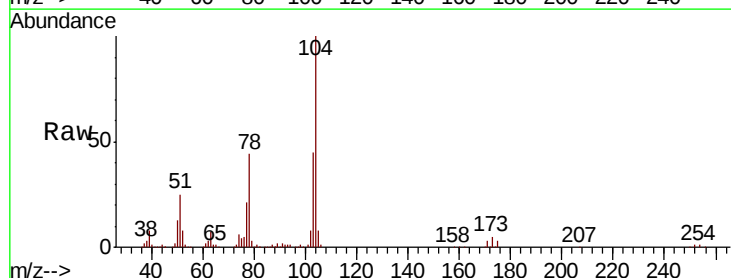
Manual Integrations
APPROVED

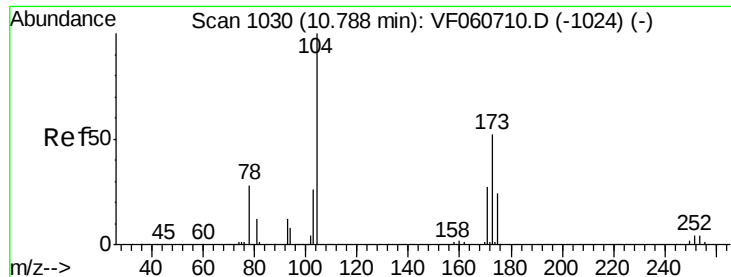
sam
11/14/2018 11:53:41 AM



#70
Styrene
Concen: 51.746 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Tgt Ion	Ratio	Lower	Upper
104	100		
78	44.3	35.4	53.2
103	44.7	35.8	53.6





#71

Bromoform

Concen: 55.709 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 70355

Ion Ratio Lower Upper

173 100

175 46.7 23.4 70.0

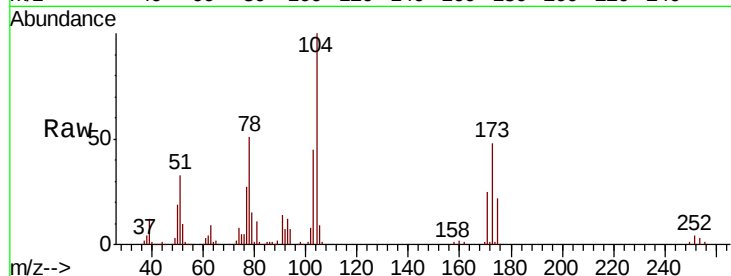
254 7.3 5.8 8.8

Manual Integrations

APPROVED

sam

11/14/2018 11:53:41 AM

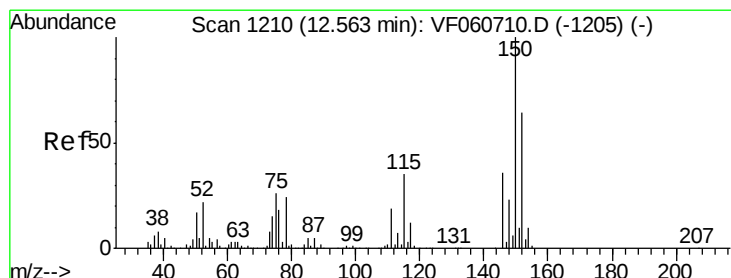
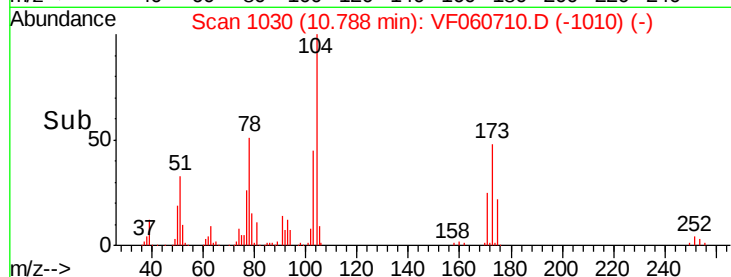
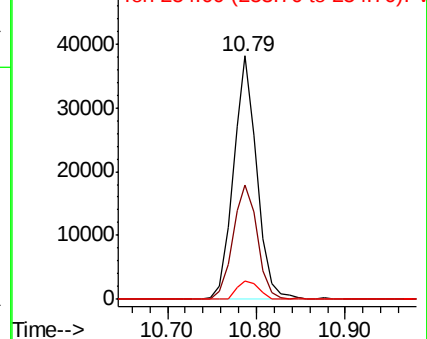


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

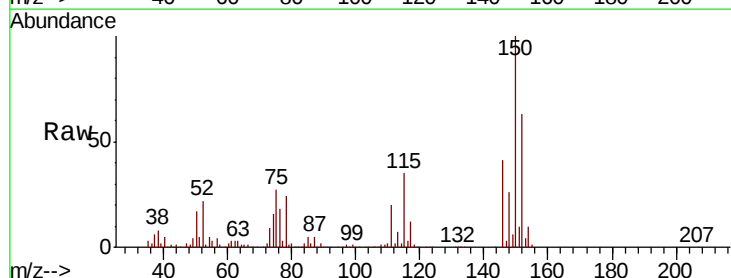
Tgt Ion:152 Resp: 179861

Ion Ratio Lower Upper

152 100

115 55.8 27.9 83.7

150 158.2 0.0 316.4

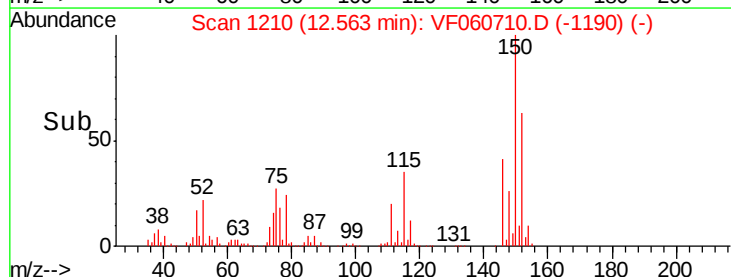
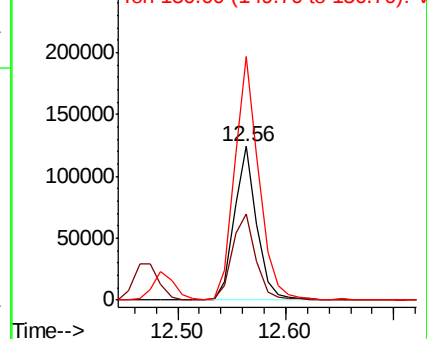


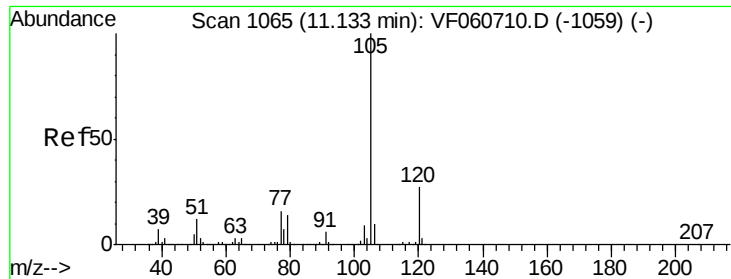
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 52.207 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 755831

Ion Ratio Lower Upper

105 100

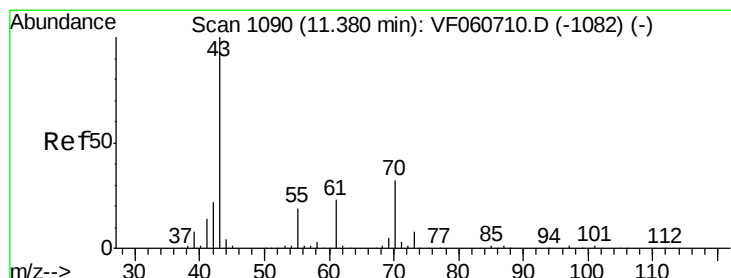
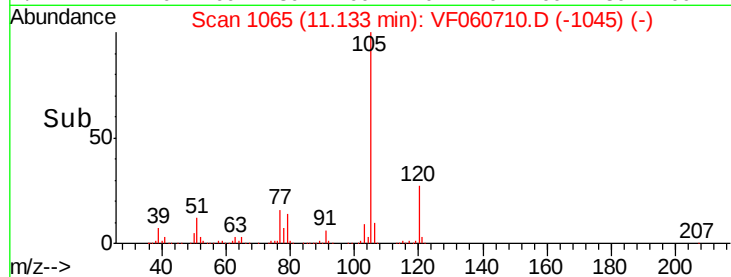
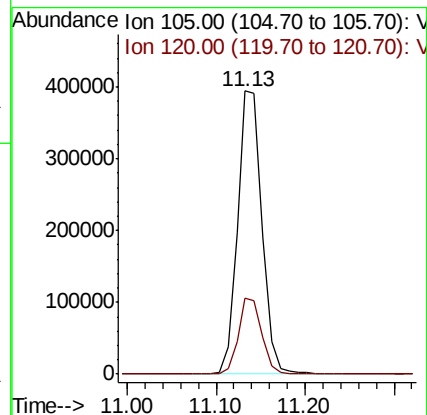
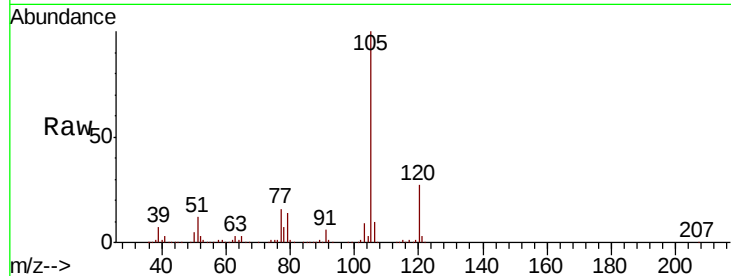
120 26.7 13.4 40.1

Manual Integrations

APPROVED

sam

11/14/2018 11:53:41 AM



#74

N-ethyl acetate

Concen: 48.825 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Tgt Ion: 43 Resp: 160919

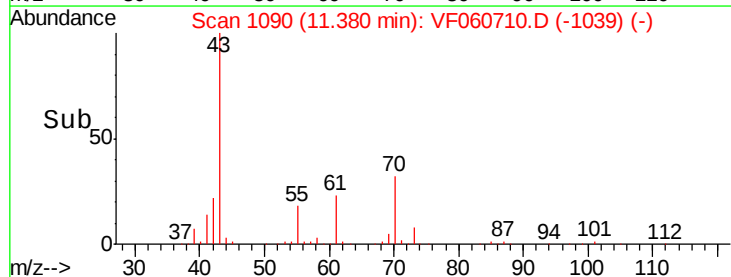
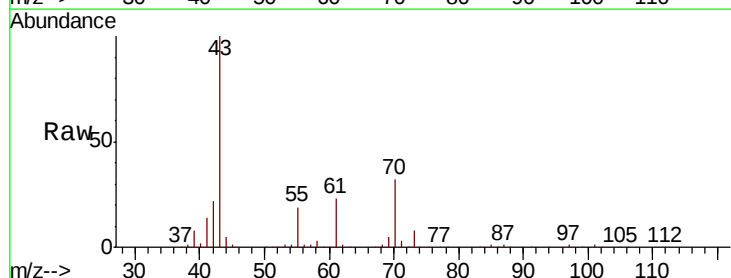
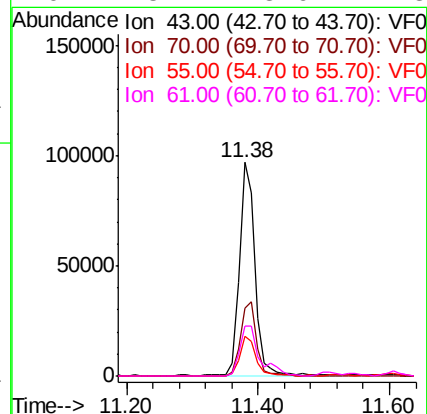
Ion Ratio Lower Upper

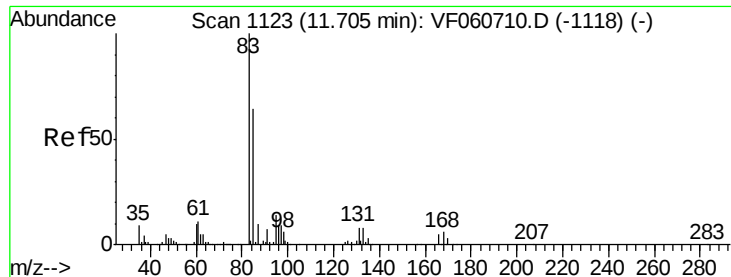
43 100

70 31.9 25.5 38.3

55 18.6 14.9 22.3

61 23.2 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 53.487 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Instrument :

MSVOA_F

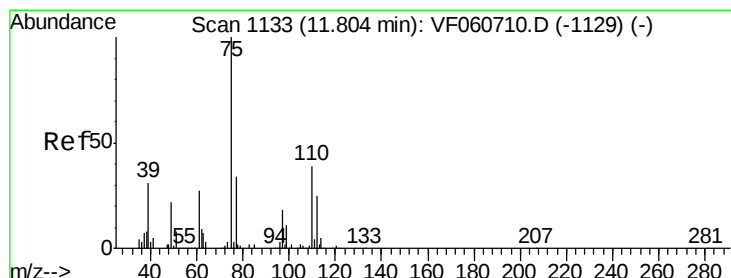
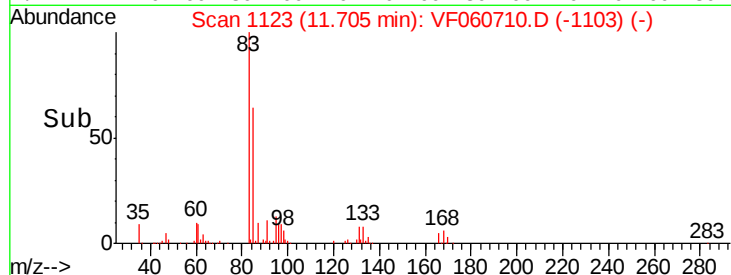
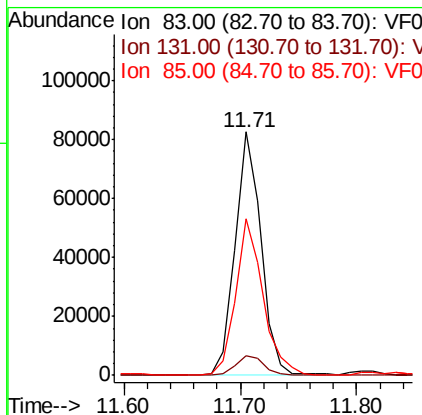
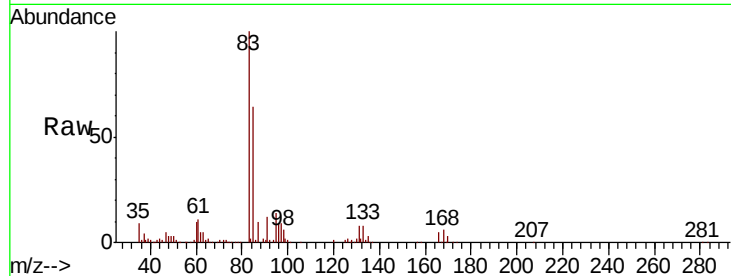
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	128026
Ion Ratio	Lower	Upper	
83	100		
131	8.3	4.2	12.4
85	64.1	32.0	96.2

Manual Integrations
APPROVED

sam
11/14/2018 11:53:41 AM



#76

1,2,3-Trichloropropane

Concen: 48.335 ug/l

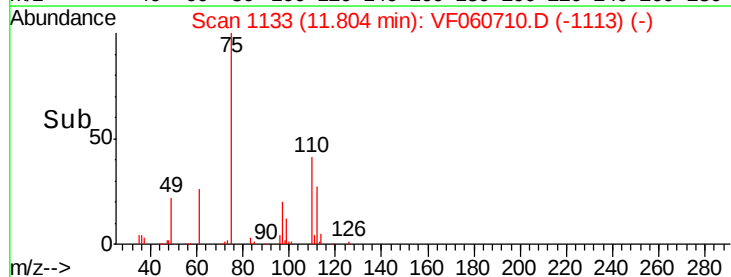
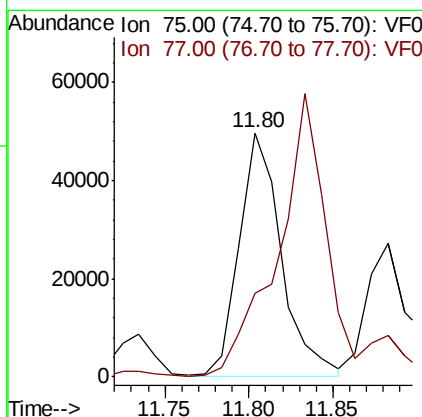
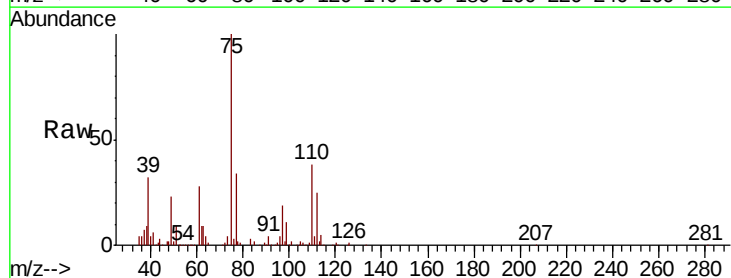
RT: 11.80 min Scan# 1133

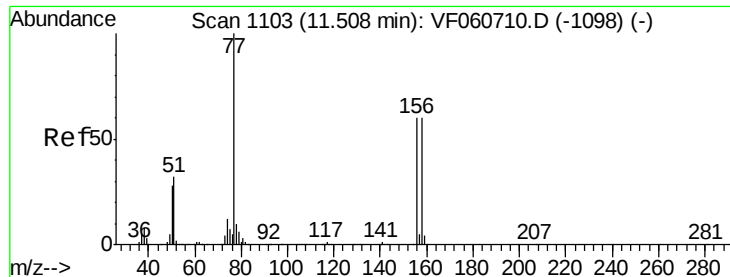
Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Tgt Ion:	75	Resp:	85923
Ion Ratio	Lower	Upper	
75	100		
77	34.0	17.0	51.0





#77

Bromobenzene

Concen: 52.039 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Instrument :

MSVOA_F

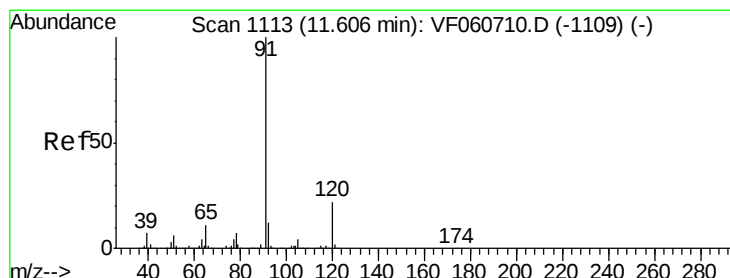
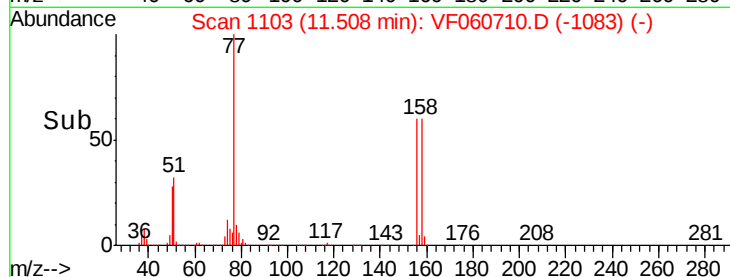
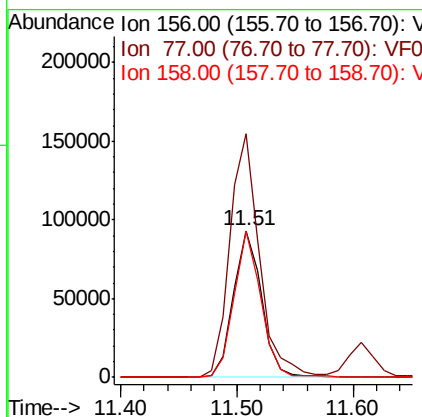
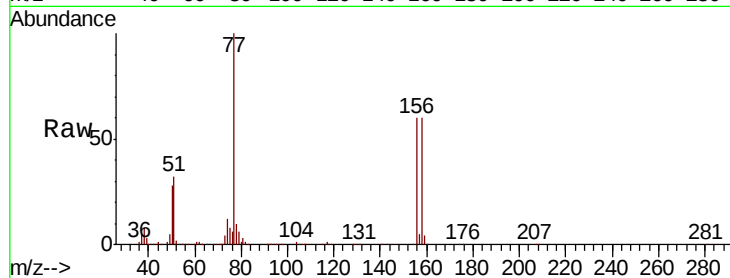
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	156823
Ion Ratio	Lower	Upper	
156	100		
77	165.9	83.0	248.9
158	99.3	49.6	149.0

Manual Integrations
APPROVED

sam
11/14/2018 11:53:41 AM



#78

n-propylbenzene

Concen: 48.350 ug/l

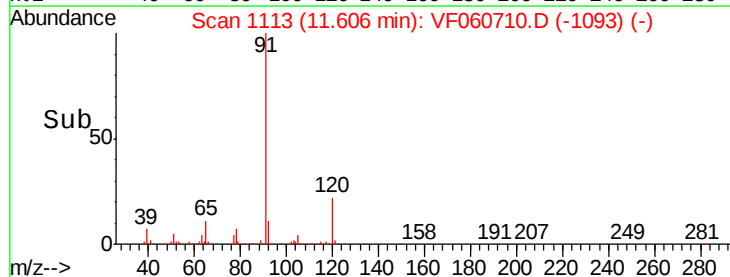
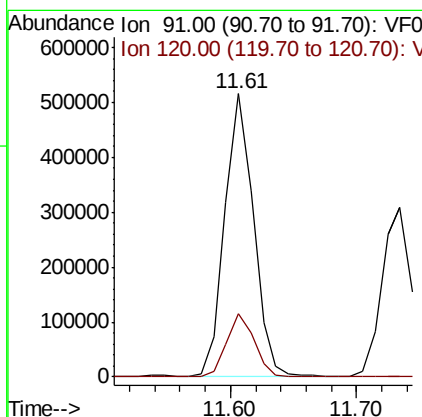
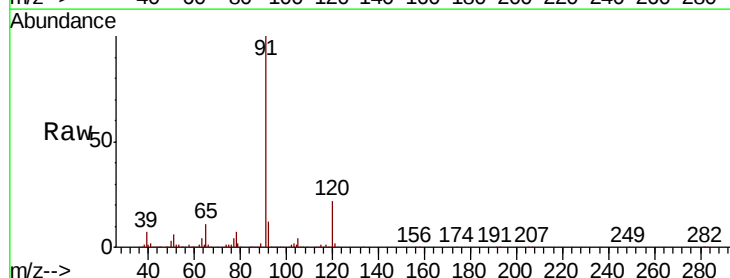
RT: 11.61 min Scan# 1113

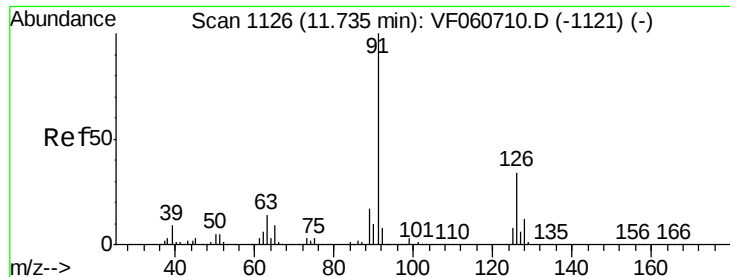
Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Tgt Ion:	91	Resp:	816393
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.2	33.5





#79

2-Chlorotoluene

Concen: 50.967 ug/l

RT: 11.73 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 500174

Ion Ratio Lower Upper

91 100

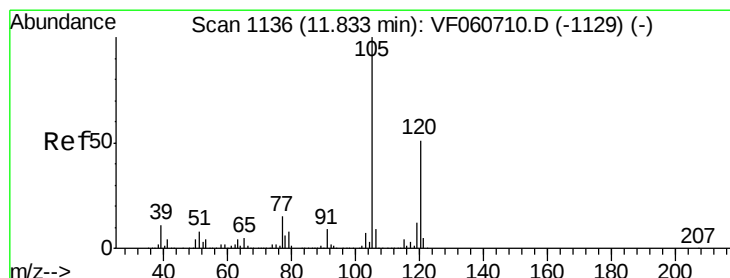
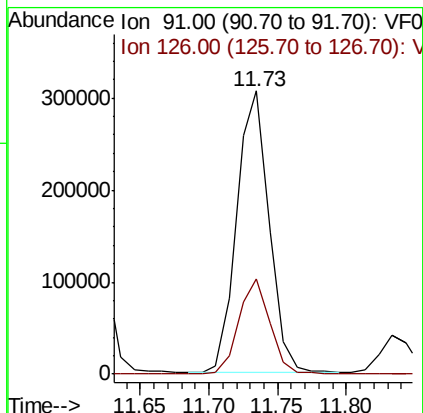
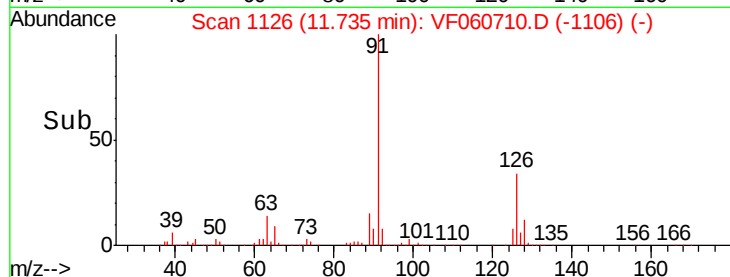
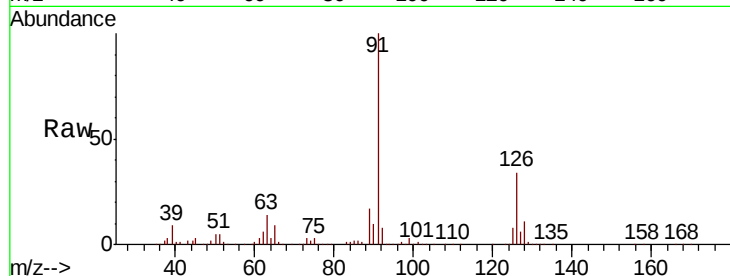
126 33.6 16.8 50.4

Manual Integrations

APPROVED

sam

11/14/2018 11:53:41 AM



#80

1,3,5-Trimethylbenzene

Concen: 51.939 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF060710.D

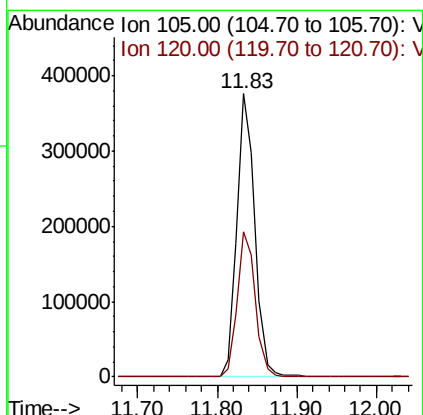
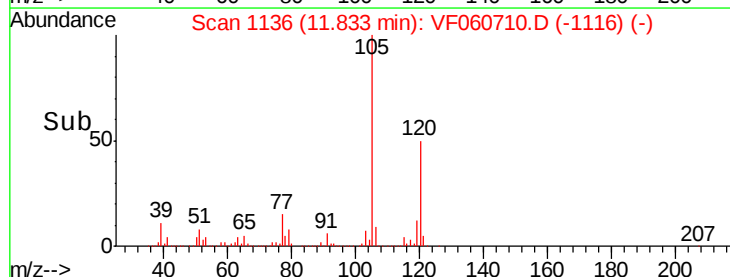
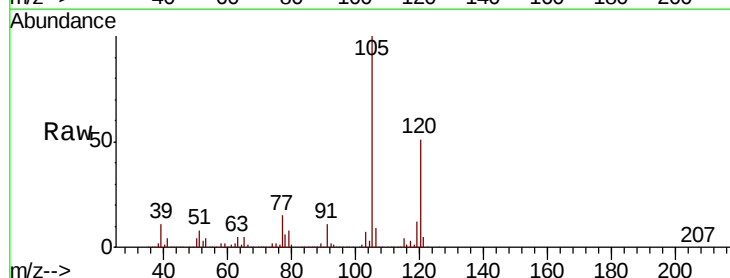
Acq: 13 Nov 2018 13:04

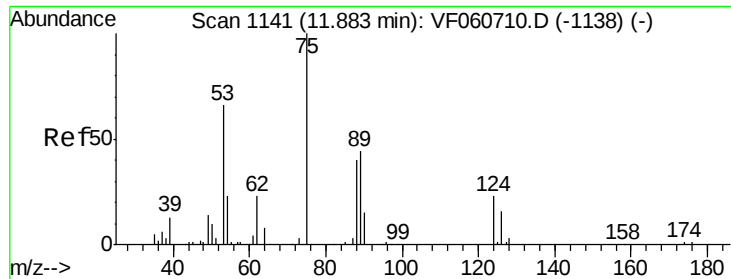
Tgt Ion: 105 Resp: 596982

Ion Ratio Lower Upper

105 100

120 51.2 25.6 76.8





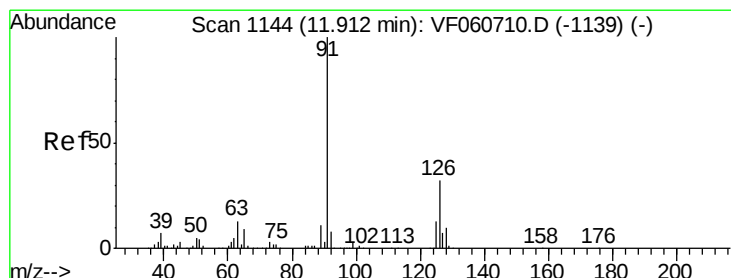
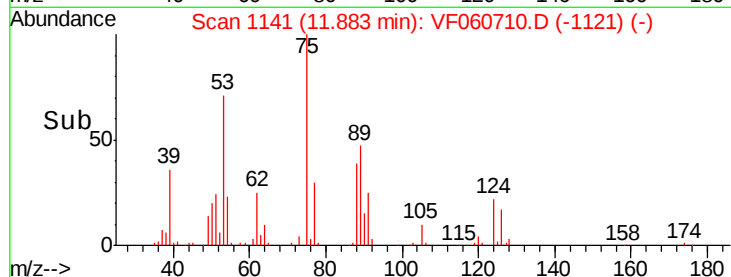
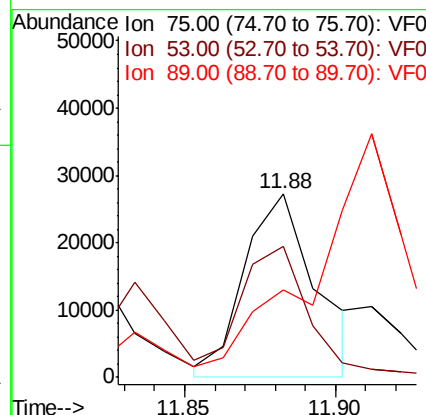
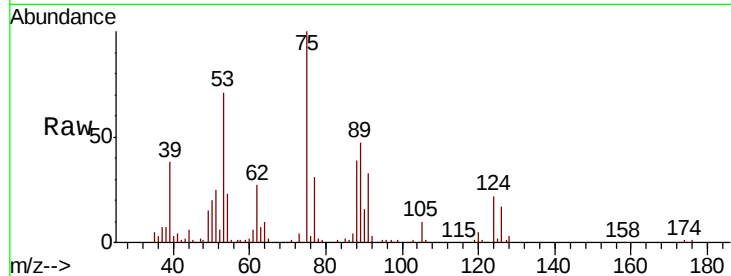
#81
trans-1,4-Dichloro-2-butene
Concen: 52.808 ug/l m
RT: 11.88 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	71.2	57.0	85.4
89	47.3	37.8	56.8

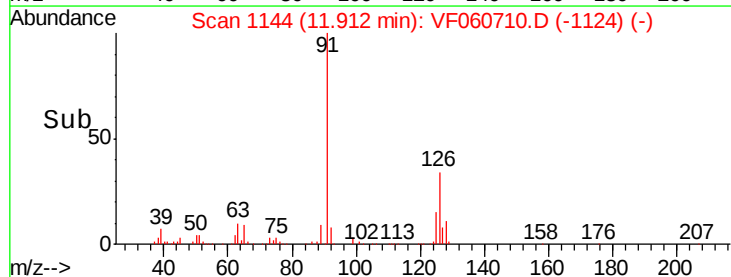
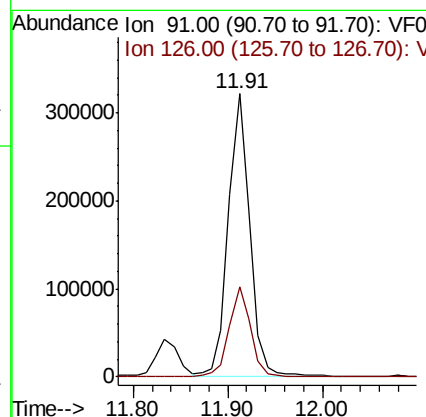
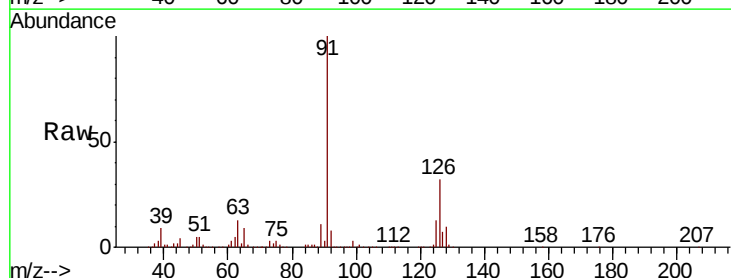
Manual Integrations
APPROVED

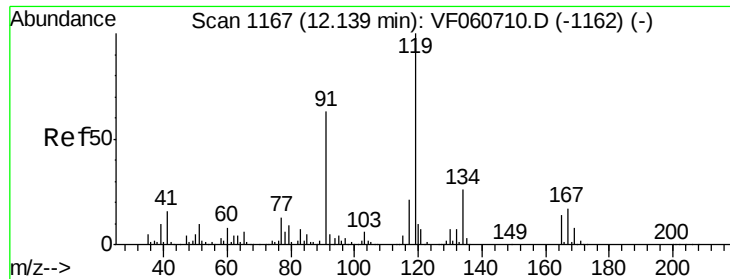
sam
11/14/2018 11:53:41 AM



#82
4-Chlorotoluene
Concen: 49.897 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.0	47.9





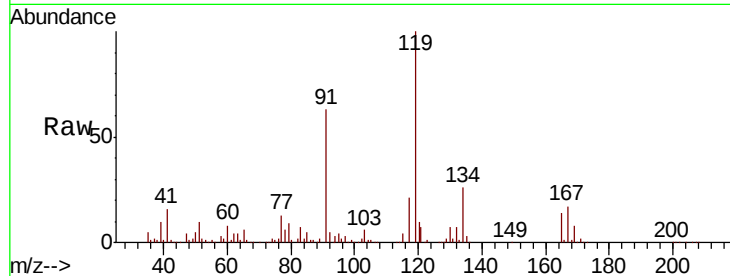
#83
tert-Butylbenzene
Concen: 53.545 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

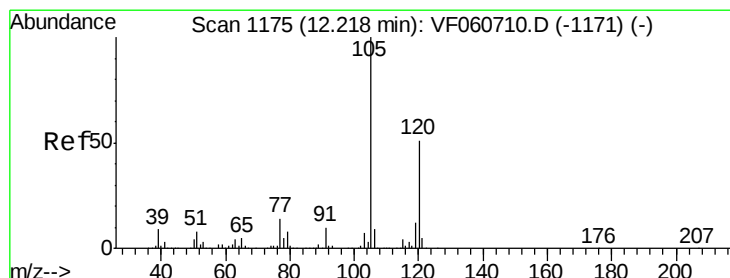
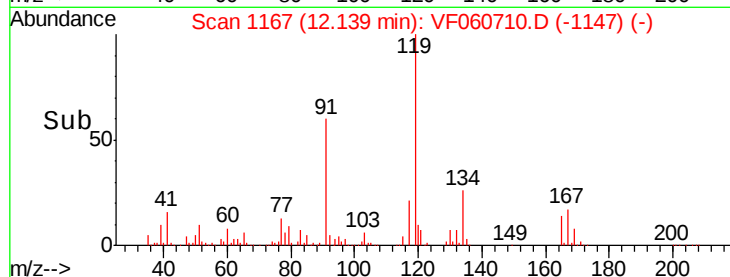
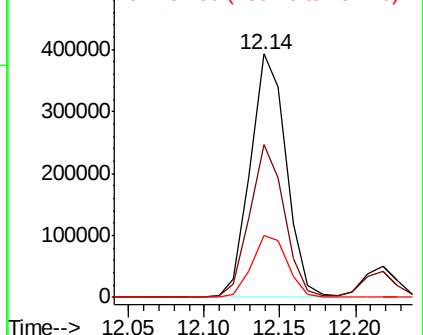
Tot Ion	Ratio	Resp	Lower	Upper
119	100	653458		
91	62.9		31.4	94.3
134	25.6		12.8	38.4

Manual Integrations
APPROVED

sam
11/14/2018 11:53:41 AM

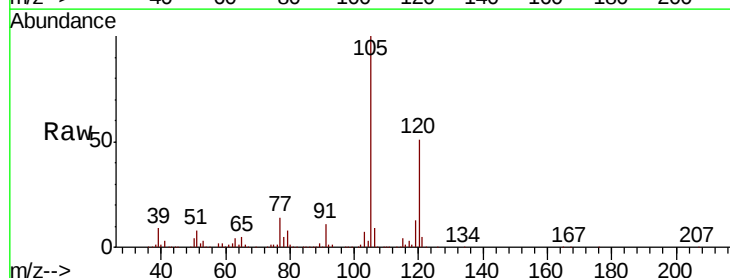


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

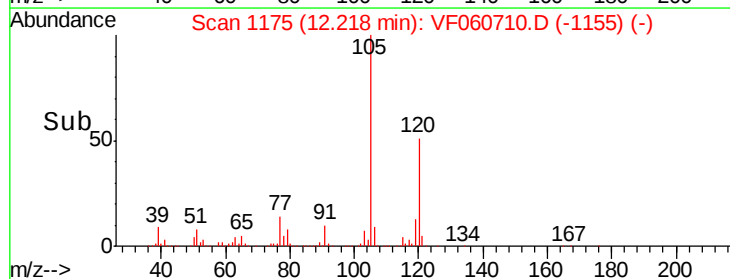
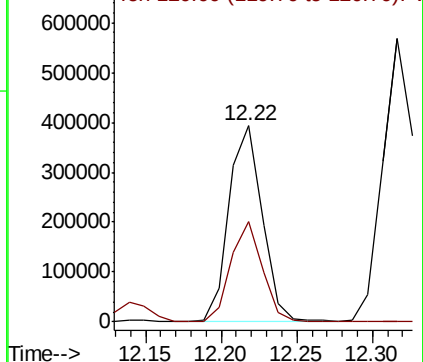


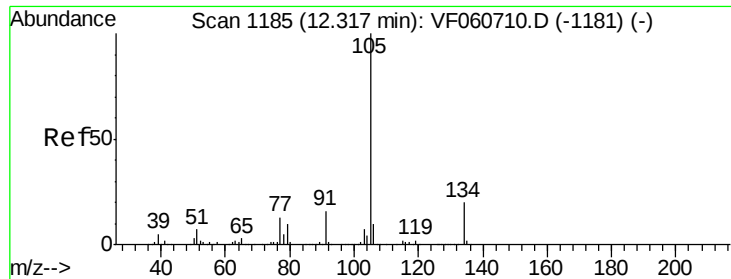
#84
1,2,4-Trimethylbenzene
Concen: 50.883 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	604854		
120	51.0		25.5	76.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





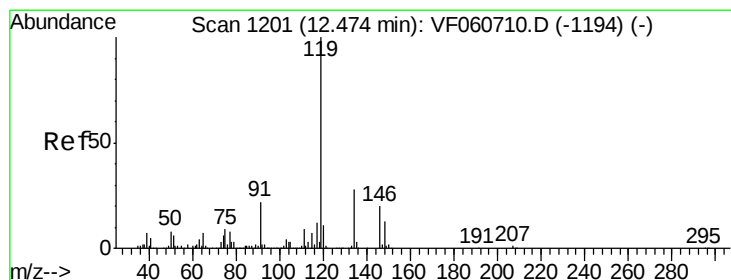
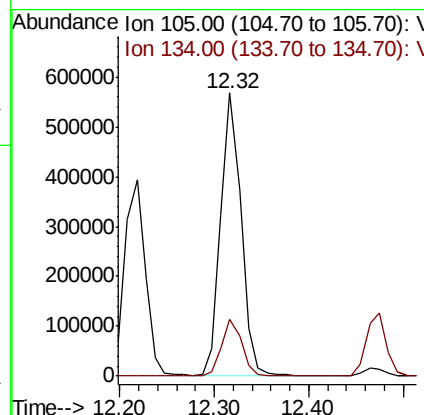
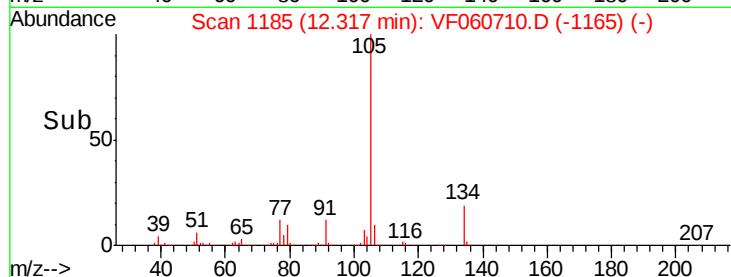
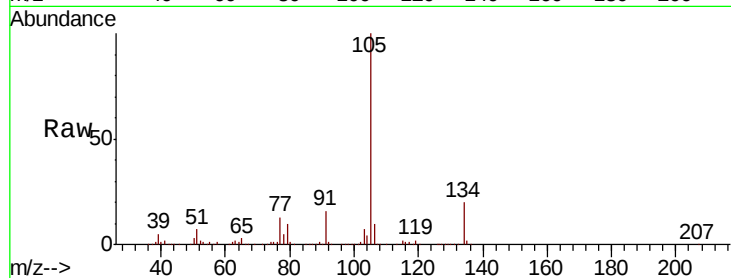
#85
 sec-Butylbenzene
 Concen: 51.572 ug/l
 RT: 12.32 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF060710.D
 Acq: 13 Nov 2018 13:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.1	30.3

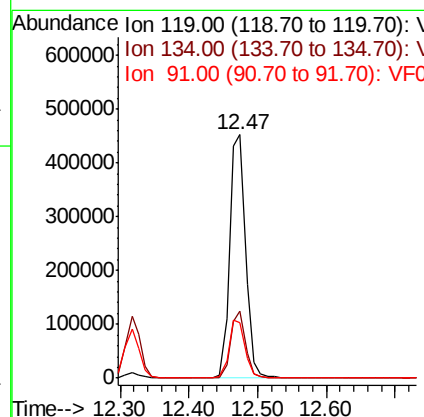
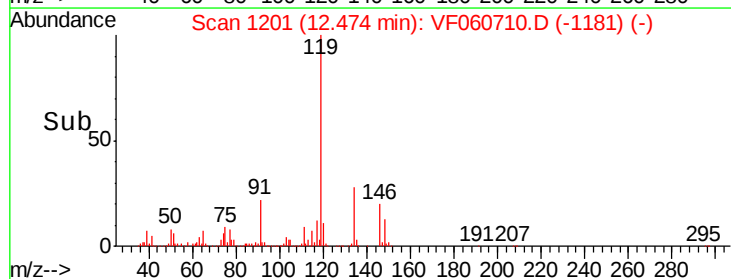
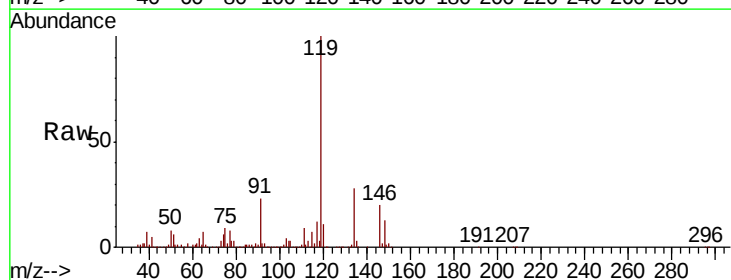
Manual Integrations
 APPROVED

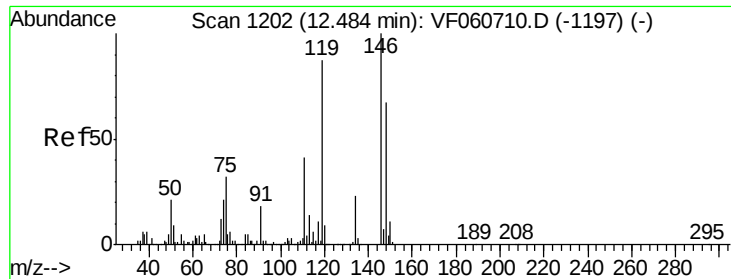
sam
 11/14/2018 11:53:41 AM



#86
 p-Isopropyltoluene
 Concen: 52.402 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF060710.D
 Acq: 13 Nov 2018 13:04

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.8	13.9	41.7
91	22.6	11.3	33.9





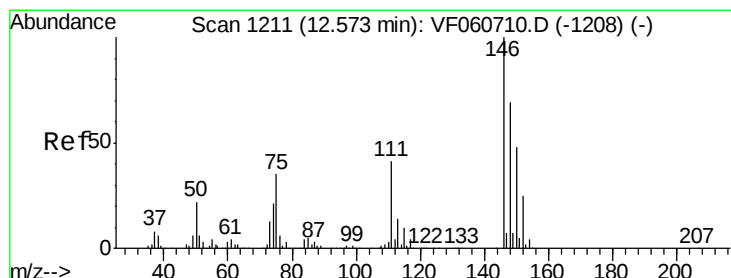
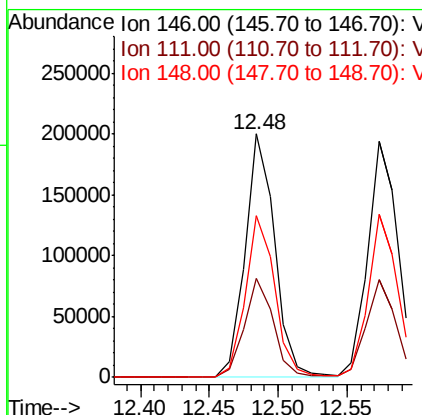
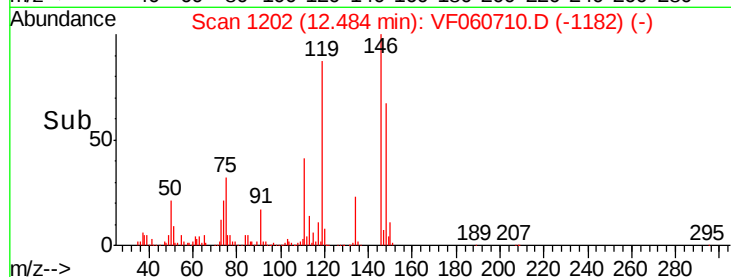
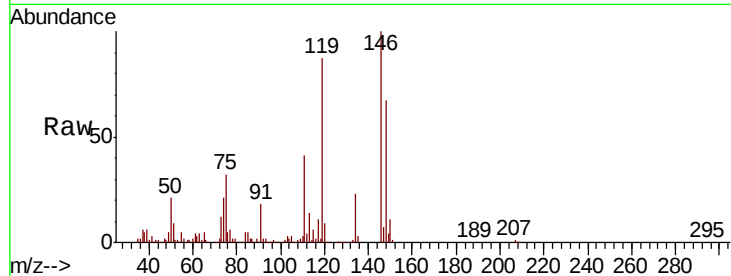
#87
 1,3-Dichlorobenzene
 Concen: 50.488 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VF060710.D
 Acq: 13 Nov 2018 13:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	66.6	33.3	99.9

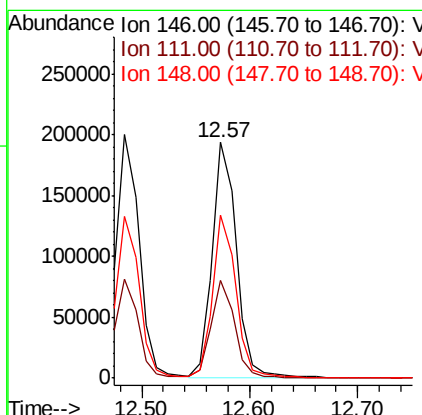
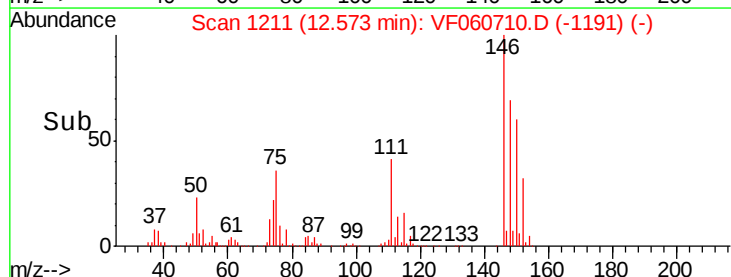
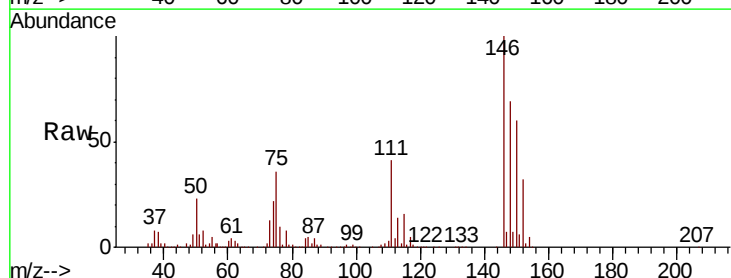
Manual Integrations
 APPROVED

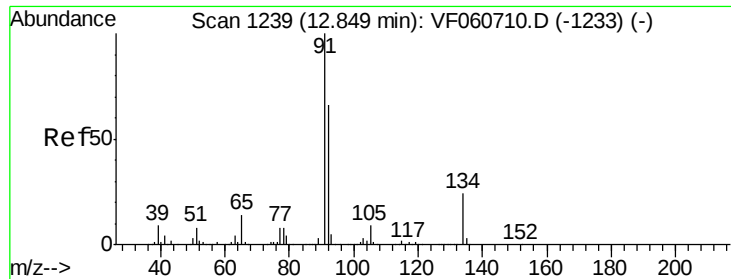
sam
 11/14/2018 11:53:41 AM



#88
 1,4-Dichlorobenzene
 Concen: 52.287 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VF060710.D
 Acq: 13 Nov 2018 13:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.6	61.9
148	69.4	34.7	104.1





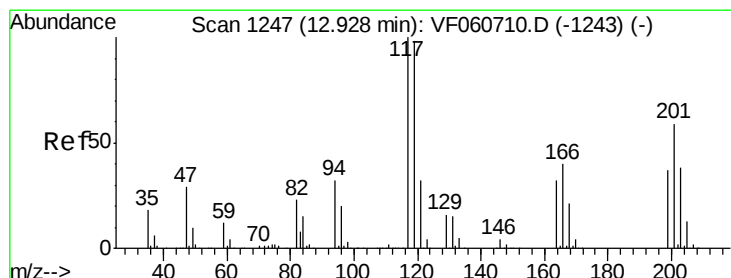
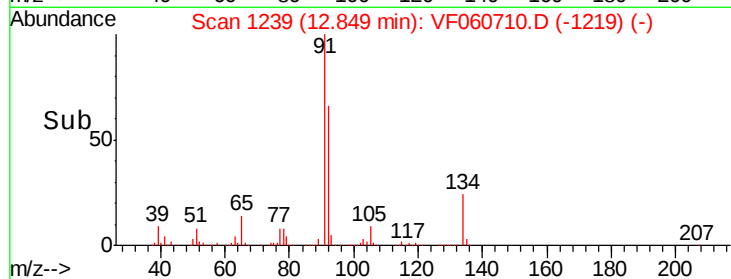
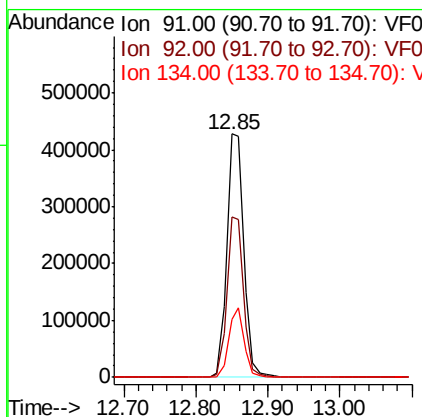
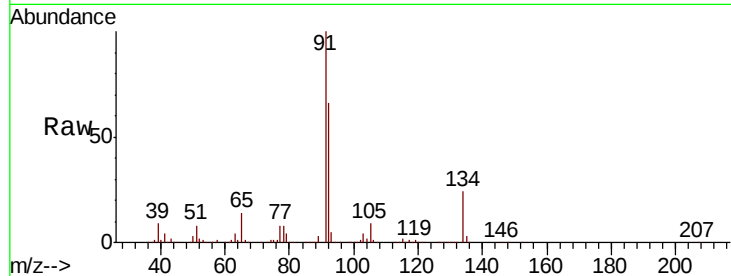
#89
n-Butylbenzene
Concen: 49.318 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		695888		
92	66.1	33.1	99.2		
134	23.9	11.9	35.9		

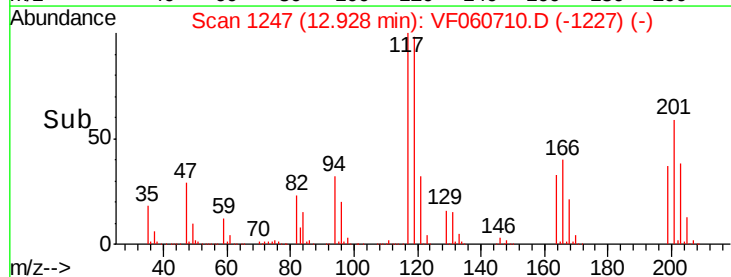
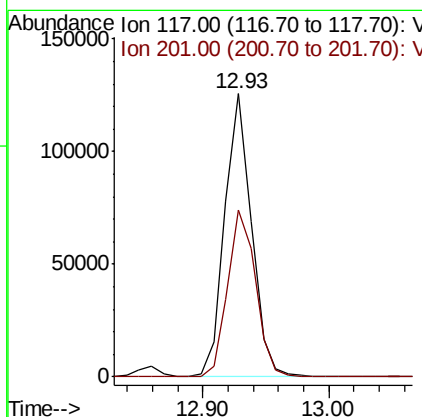
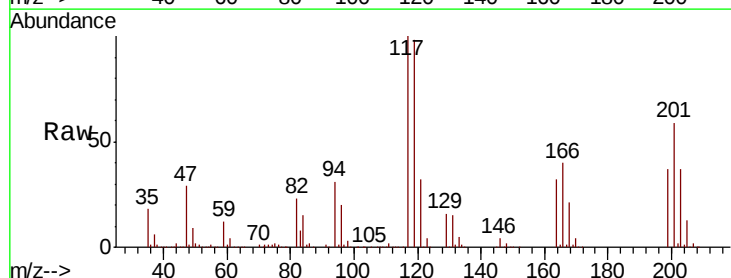
Manual Integrations
APPROVED

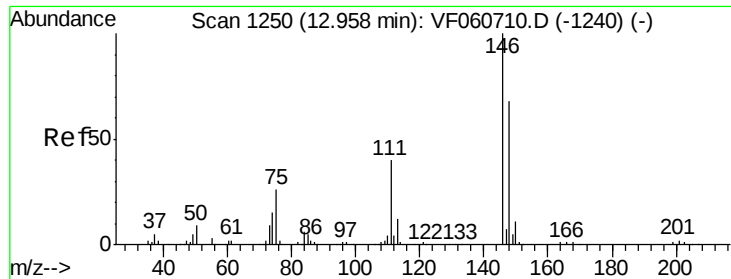
sam
11/14/2018 11:53:41 AM



#90
Hexachloroethane
Concen: 54.511 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. 0.00 min
Lab File: VF060710.D
Acq: 13 Nov 2018 13:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		184345		
201	58.9	29.4	88.3		





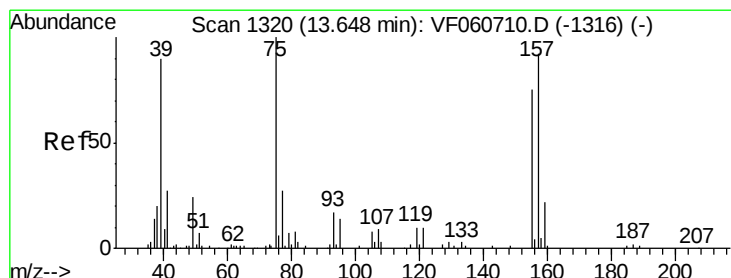
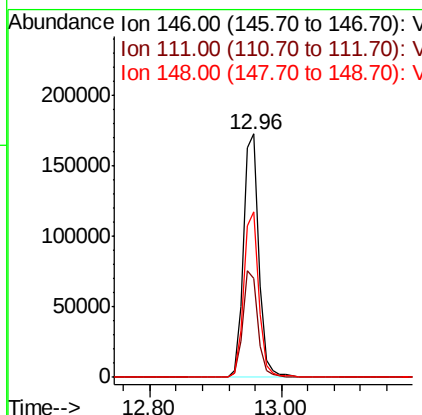
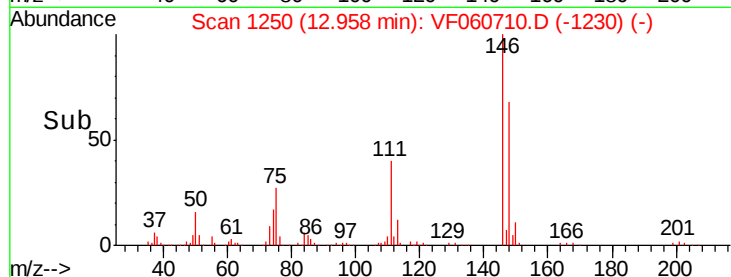
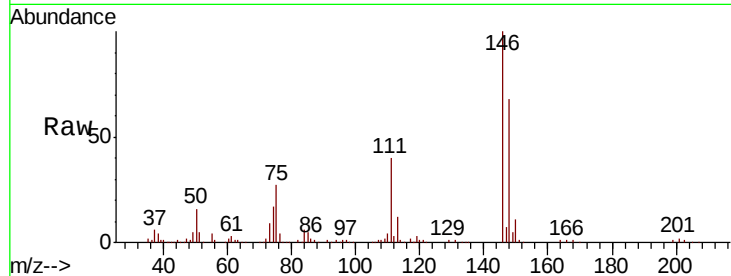
#91
 1,2-Dichlorobenzene
 Concen: 50.243 ug/l
 RT: 12.96 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VF060710.D
 Acq: 13 Nov 2018 13:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	68.2	34.1	102.3

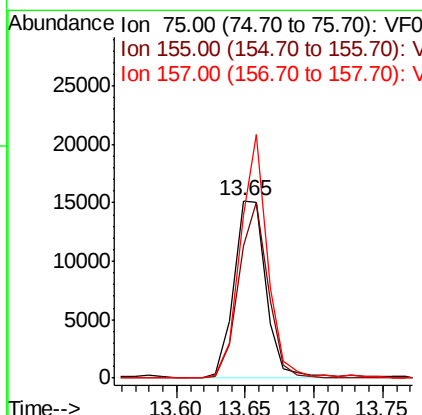
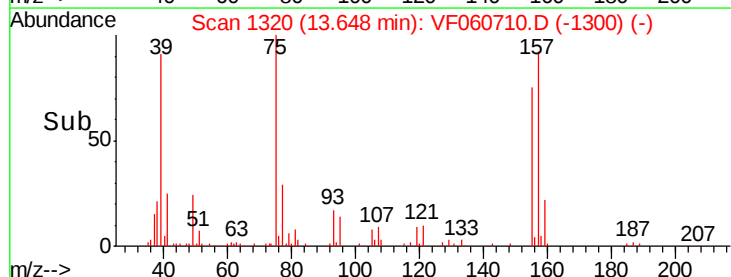
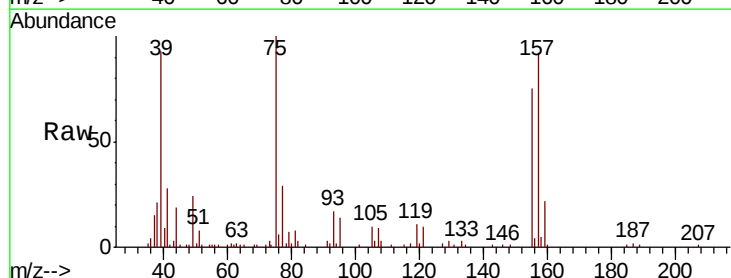
Manual Integrations
 APPROVED

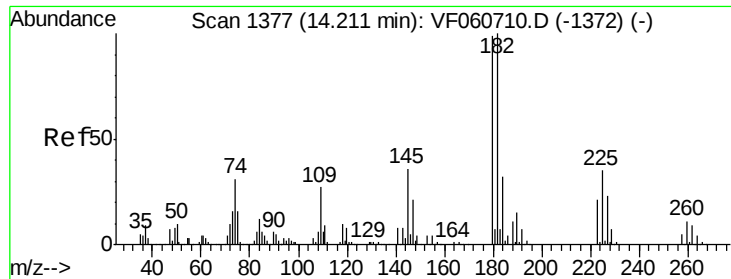
Sam
 11/14/2018 11:53:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.266 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VF060710.D
 Acq: 13 Nov 2018 13:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.8	37.4	112.2
157	92.0	46.0	138.0





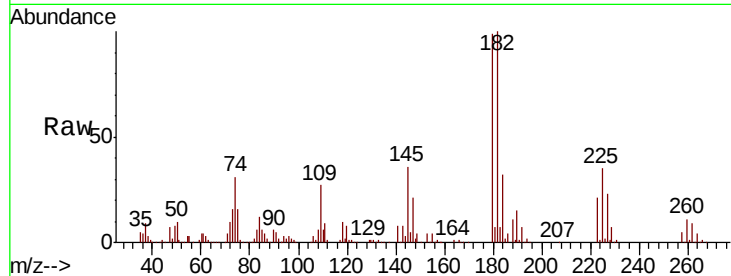
#93
 1,2,4-Trichlorobenzene
 Concen: 52.718 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VF060710.D
 Acq: 13 Nov 2018 13:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	100.7	50.3	151.0	
145	36.6	18.3	54.9	

Manual Integrations
 APPROVED

sam
 11/14/2018 11:53:41 AM

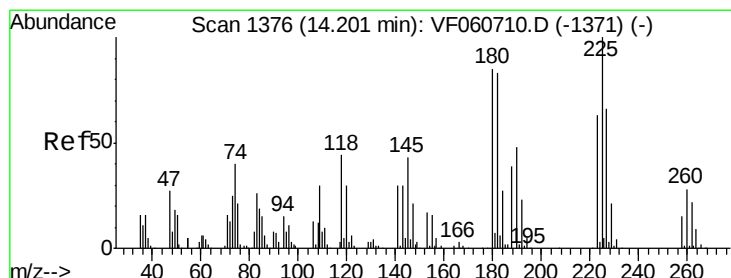
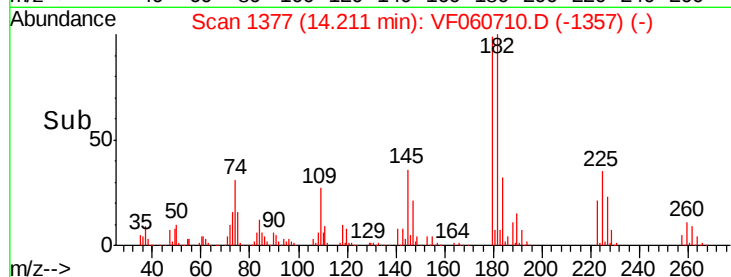
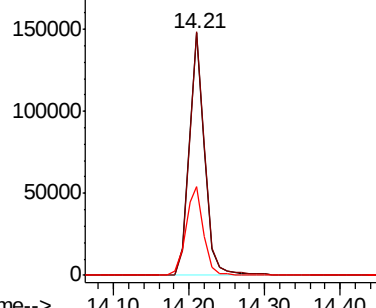


Abundance

Ion 180.00 (179.70 to 180.70): V

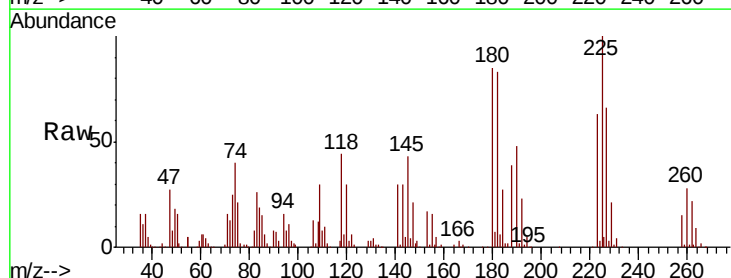
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 55.276 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF060710.D
 Acq: 13 Nov 2018 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	31.5	94.5	
227	66.0	33.0	99.0	

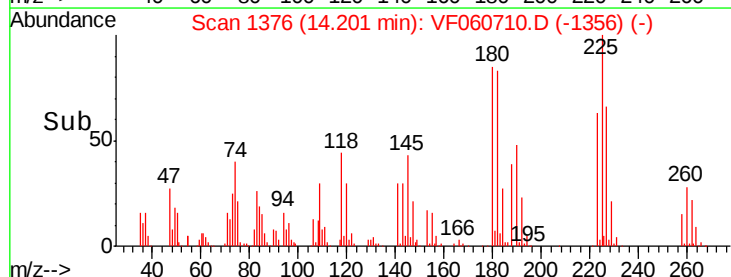
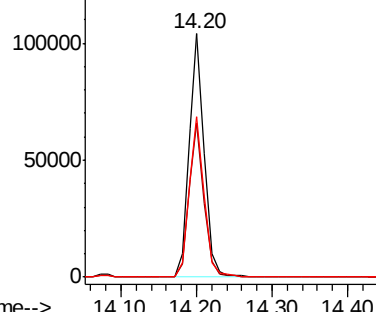


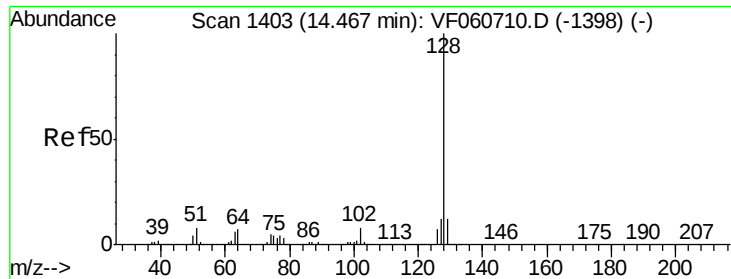
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 56.247 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Instrument :

MSVOA_F

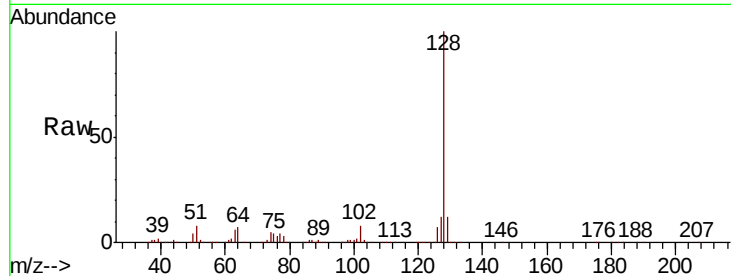
ClientSampleId :

VSTDICCC050

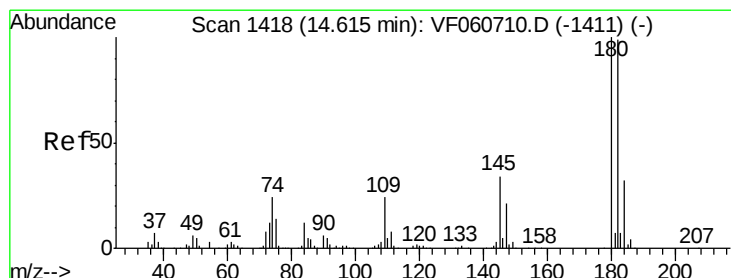
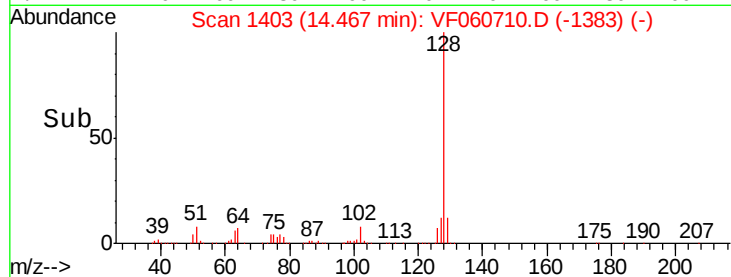
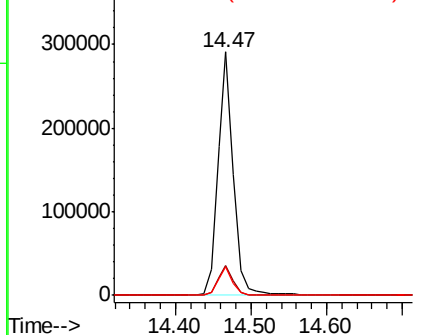
Tot Ion:	128	Resp:	416548
Ion Ratio	Lower	Upper	
128	100		
127	12.2	9.8	14.6
129	11.6	9.3	13.9

Manual Integrations
APPROVED

sam
11/14/2018 11:53:41 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 55.759 ug/l

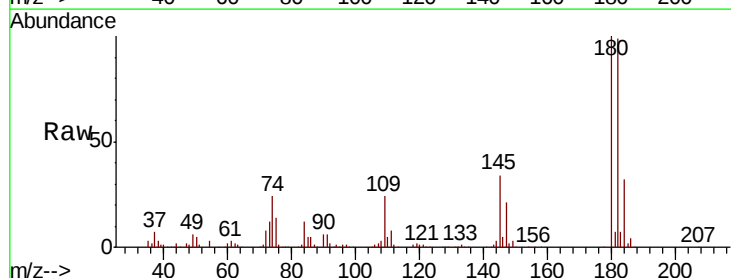
RT: 14.61 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VF060710.D

Acq: 13 Nov 2018 13:04

Tgt Ion:	180	Resp:	209116
Ion Ratio	Lower	Upper	
180	100		
182	99.3	49.6	149.0
145	33.8	16.9	50.7



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

