

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110818\
 Data File : VF060646.D
 Acq On : 8 Nov 2018 12:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00u/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 11/9/2018 3:31:41 PM

Quant Time: Nov 09 12:42:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	273629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	481795	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	412697	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	226201	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	148552	53.73	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.46%	
35) Dibromofluoromethane	4.10	113	183391	49.27	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	7.55	98	520507	47.20	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.40%	
62) 4-Bromofluorobenzene	11.41	95	230462	47.78	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	144879	50.731	ug/l	97
3) Chloromethane	1.10	50	109694	45.805	ug/l	99
4) Vinyl Chloride	1.15	62	100911	45.729	ug/l #	86
5) Bromomethane	1.31	94	62475	50.437	ug/l	99
6) Chloroethane	1.36	64	42485	53.635	ug/l	93
7) Trichlorofluoromethane	1.48	101	220358	53.353	ug/l	88
8) Diethyl Ether	1.63	74	34754	45.401	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.81	101	110031	46.620	ug/l	98
10) Methyl Iodide	1.88	142	189215	48.717	ug/l	90
11) Tert butyl alcohol	2.56	59	34625	238.841	ug/l #	73
12) 1,1-Dichloroethene	1.78	96	96151	48.370	ug/l	97
13) Acrolein	1.99	56	22580	248.859	ug/l #	80
14) Allyl chloride	2.09	41	176555	54.395	ug/l	99
15) Acrylonitrile	2.93	53	71590	217.275	ug/l	94
16) Acetone	2.23	43	167696	257.414	ug/l	98
17) Carbon Disulfide	1.76	76	264350	47.210	ug/l #	91
18) Methyl Acetate	2.34	43	53395	52.739	ug/l	99
19) Methyl tert-butyl Ether	2.42	73	235473	50.674	ug/l	99
20) Methylene Chloride	2.17	84	96015m	49.672	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	103457	49.609	ug/l	94
22) Diisopropyl ether	2.79	45	360244	52.384	ug/l	98
23) Vinyl Acetate	3.18	43	965191	233.596	ug/l	98
24) 1,1-Dichloroethane	2.86	63	209443	52.624	ug/l	98
25) 2-Butanone	4.32	43	317633	260.590	ug/l	100
26) 2,2-Dichloropropane	3.59	77	170242	57.167	ug/l	100
27) cis-1,2-Dichloroethene	3.46	96	197914	49.713	ug/l	99
28) Bromochloromethane	3.71	49	136724	54.741	ug/l	97
29) Tetrahydrofuran	4.06	42	117934	244.422	ug/l	99
30) Chloroform	3.85	83	339563	53.928	ug/l	99
31) Cyclohexane	3.68	56	283522	51.622	ug/l	94
32) 1,1,1-Trichloroethane	4.09	97	258969	58.887	ug/l	95
36) 1,1-Dichloropropene	4.26	75	255023	48.073	ug/l	96
37) Ethyl Acetate	4.10	43	105751	41.527	ug/l #	78
38) Carbon Tetrachloride	3.98	117	252329m	55.665	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110818\
 Data File : VF060646.D
 Acq On : 8 Nov 2018 12:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 11/9/2018 3:31:41 PM

Quant Time: Nov 09 12:42:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	315396	48.719	ug/l	98
40) Benzene	4.63	78	621566	48.270	ug/l	96
41) Methacrylonitrile	4.73	41	62060	43.034	ug/l #	91
42) 1,2-Dichloroethane	4.93	62	193392	52.328	ug/l	96
43) Isopropyl Acetate	6.95	43	152677	47.398	ug/l #	99
44) Trichloroethene	5.50	130	179037	46.263	ug/l	93
45) 1,2-Dichloropropane	6.23	63	165021	50.108	ug/l	97
46) Dibromomethane	6.08	93	104505	50.019	ug/l	94
47) Bromodichloromethane	6.37	83	254161	50.435	ug/l	99
48) Methyl methacrylate	6.71	41	97440	48.131	ug/l	97
49) 1,4-Dioxane	6.70	88	18265	862.460	ug/l #	84
51) 4-Methyl-2-Pentanone	8.25	43	497608	229.723	ug/l	96
52) Toluene	7.62	92	397212	47.354	ug/l	97
53) t-1,3-Dichloropropene	8.27	75	193602	44.202	ug/l	97
54) cis-1,3-Dichloropropene	7.29	75	270892	48.952	ug/l	95
55) 1,1,2-Trichloroethane	8.49	97	113771	46.610	ug/l	99
56) Ethyl methacrylate	8.61	69	145155	46.221	ug/l	96
57) 1,3-Dichloropropane	8.84	76	200056	46.710	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.62	63	53790	269.390	ug/l	100
59) 2-Hexanone	9.48	43	402140	283.838	ug/l	96
60) Dibromochloromethane	8.71	129	157252	46.065	ug/l	100
61) 1,2-Dibromoethane	8.98	107	119489	46.550	ug/l	97
64) Tetrachloroethene	8.14	164	152402	47.120	ug/l	97
65) Chlorobenzene	9.79	112	410788	48.674	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	173903	48.766	ug/l	97
67) Ethyl Benzene	9.90	91	744274	48.597	ug/l	98
68) m/p-Xylenes	10.12	106	523589	90.758	ug/l	99
69) o-Xylene	10.70	106	302929	48.088	ug/l	96
70) Styrene	10.78	104	434146	47.571	ug/l	96
71) Bromoform	10.76	173	85008	46.155	ug/l	98
73) Isopropylbenzene	11.12	105	857189	48.591	ug/l	98
74) N-amyl acetate	11.37	43	245275	55.232	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	163362	50.734	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	73899	46.699	ug/l	94
77) Bromobenzene	11.49	156	197315	51.117	ug/l	87
78) n-propylbenzene	11.59	91	1017916	49.318	ug/l	96
79) 2-Chlorotoluene	11.71	91	591791	50.206	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	718519	49.414	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.87	75	54513m	43.833	ug/l	
82) 4-Chlorotoluene	11.90	91	589105	47.903	ug/l	95
83) tert-Butylbenzene	12.13	119	729037	49.077	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	707721	49.700	ug/l	100
85) sec-Butylbenzene	12.30	105	967761	47.358	ug/l	97
86) p-Isopropyltoluene	12.46	119	800142	47.548	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	363220	47.940	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	352028	48.986	ug/l	99
89) n-Butylbenzene	12.84	91	836778	51.548	ug/l	98
90) Hexachloroethane	12.91	117	212339	49.618	ug/l	89
91) 1,2-Dichlorobenzene	12.93	146	350270	49.416	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	28232	50.466	ug/l	93

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110818\
Data File : VF060646.D
Acq On : 8 Nov 2018 12:05
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
11/9/2018 3:31:41 PM

Quant Time: Nov 09 12:42:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	238741	49.579	ug/l	98
94) Hexachlorobutadiene	14.19	225	155871	49.953	ug/l	97
95) Naphthalene	14.45	128	496503	51.515	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	229071	50.358	ug/l	97

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

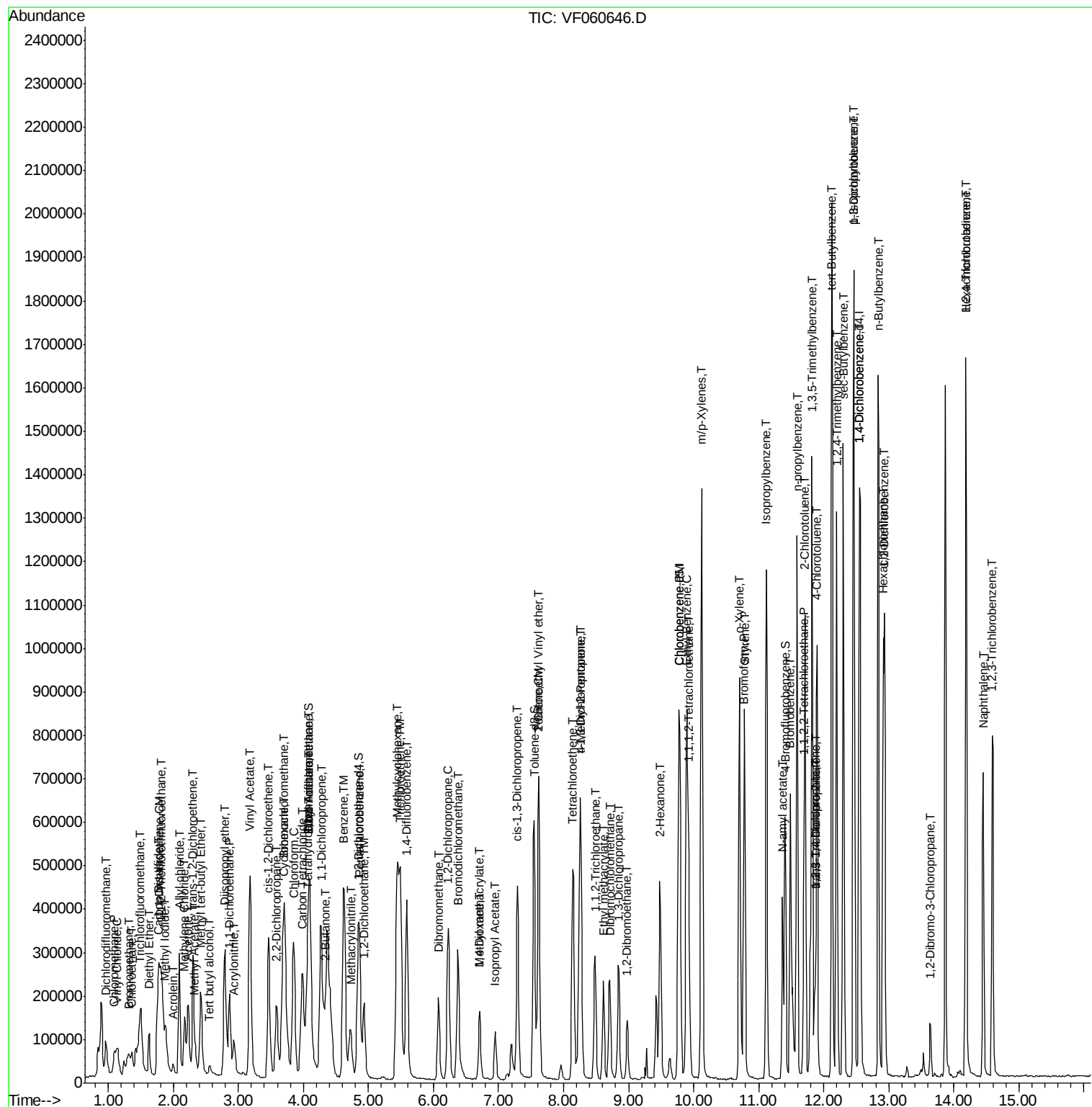
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110818\
 Data File : VF060646.D
 Acq On : 8 Nov 2018 12:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

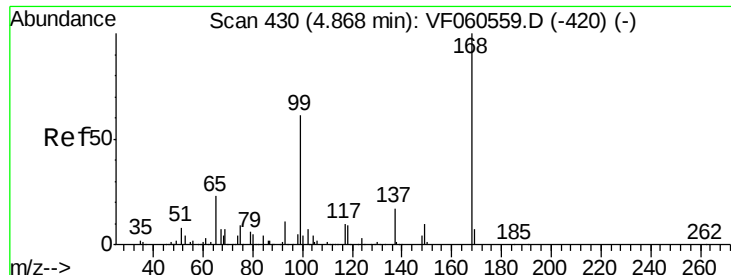
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 11/9/2018 3:31:41 PM

Quant Time: Nov 09 12:42:29 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 273629

Ion Ratio Lower Upper

168 100

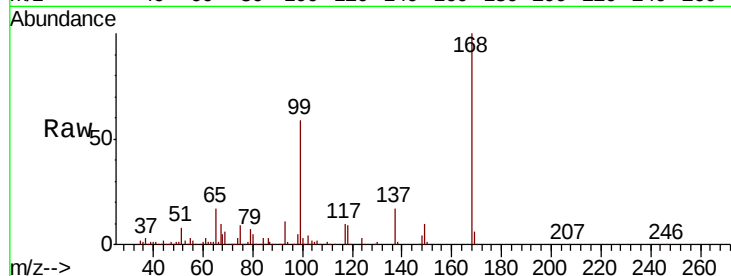
99 59.2 48.6 72.8

Manual Integrations

APPROVED

apatel

11/9/2018 3:31:41 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

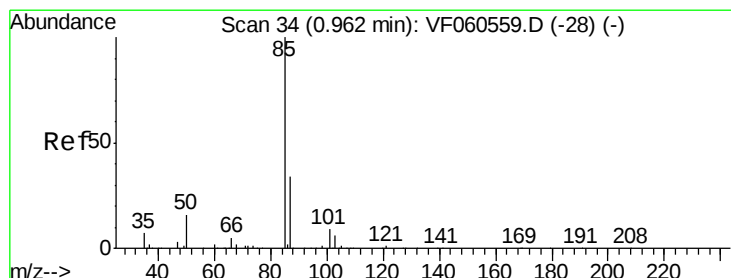
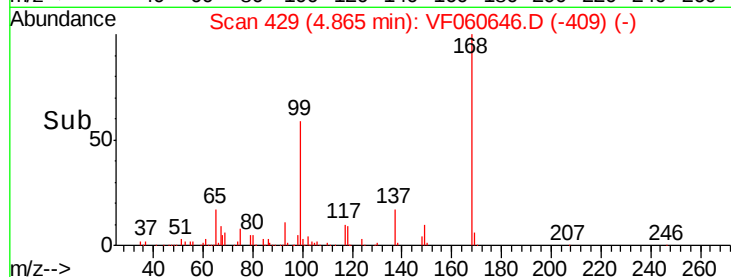
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.731 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF060646.D

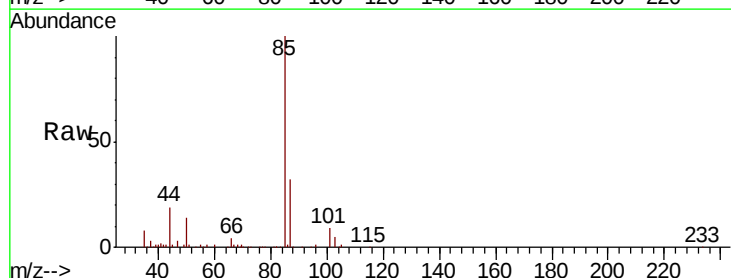
Acq: 8 Nov 2018 12:05

Tgt Ion: 85 Resp: 144879

Ion Ratio Lower Upper

85 100

87 32.0 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

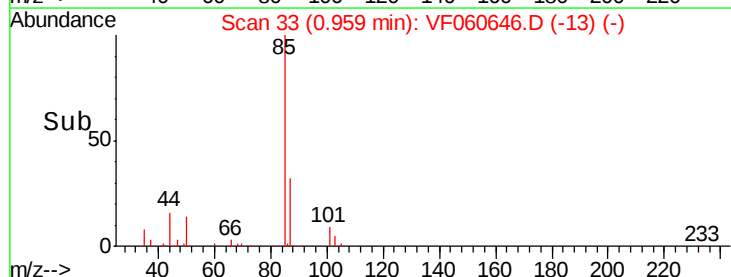
30000

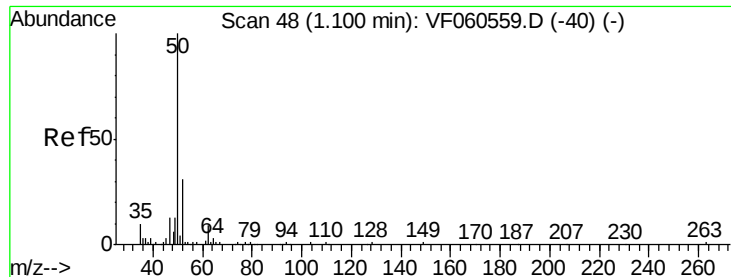
20000

10000

0

Time-->





#3

Chloromethane

Concen: 45.805 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 109694

Ion Ratio Lower Upper

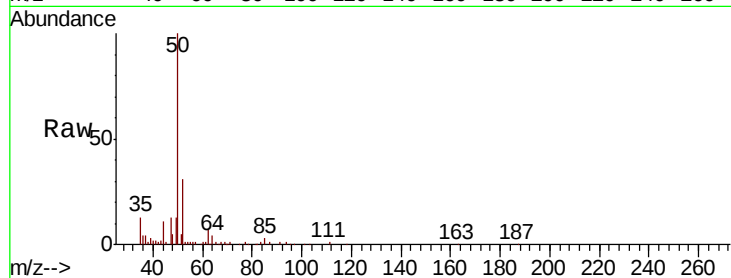
50 100

52 30.7 24.0 36.0

Manual Integrations
APPROVED

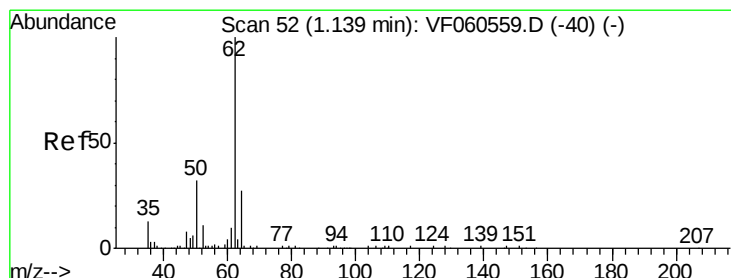
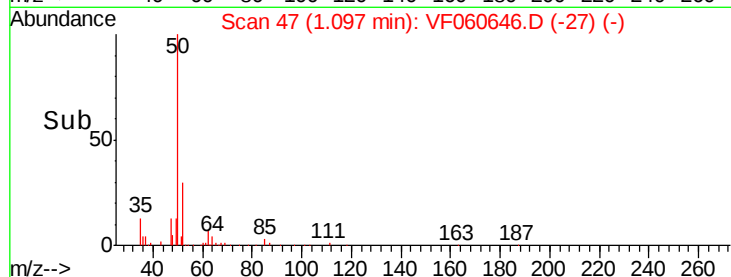
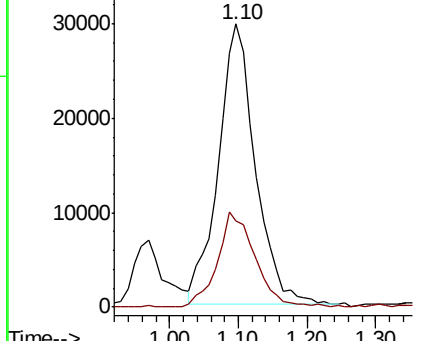
apatel

11/9/2018 3:31:41 PM



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 45.729 ug/l

RT: 1.15 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF060646.D

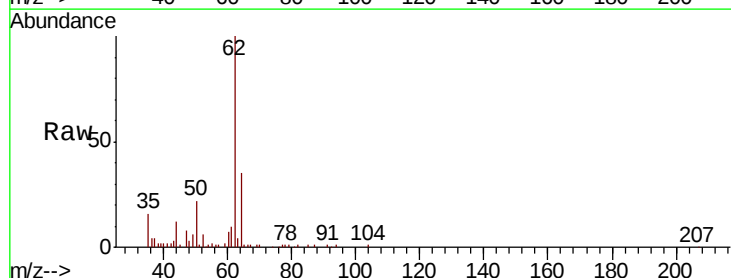
Acq: 8 Nov 2018 12:05

Tgt Ion: 62 Resp: 100911

Ion Ratio Lower Upper

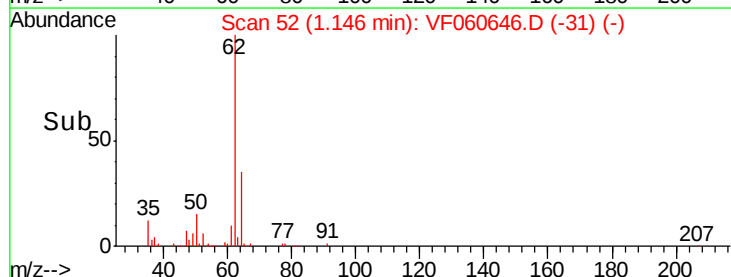
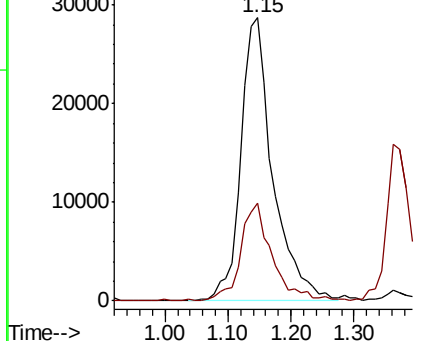
62 100

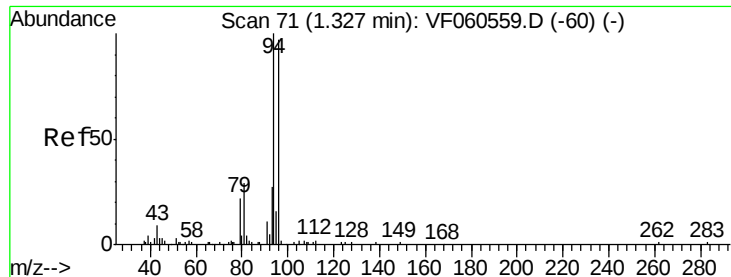
64 34.6 21.8 32.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 50.437 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 62475

Ion Ratio Lower Upper

94 100

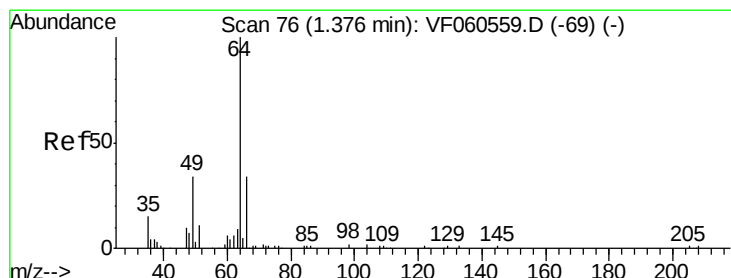
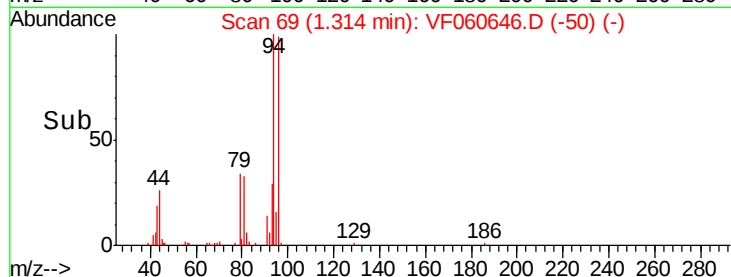
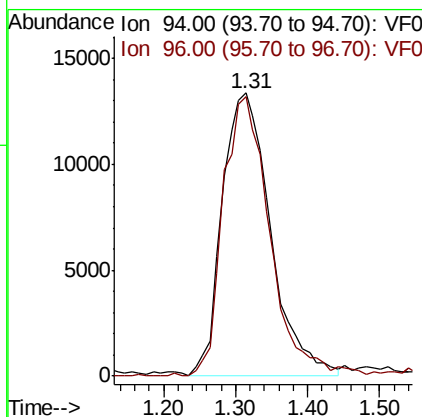
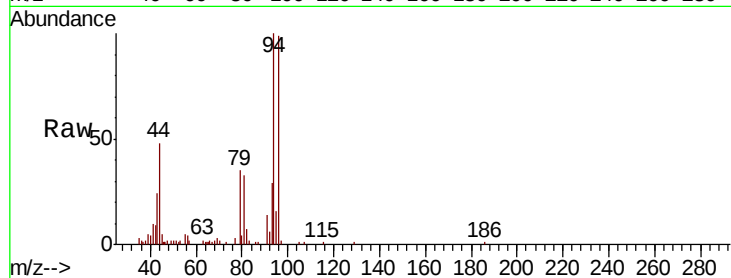
96 98.8 77.9 116.9

Manual Integrations

APPROVED

apatel

11/9/2018 3:31:41 PM



#6

Chloroethane

Concen: 53.635 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VF060646.D

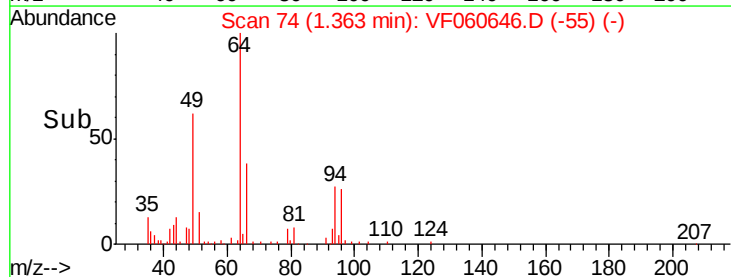
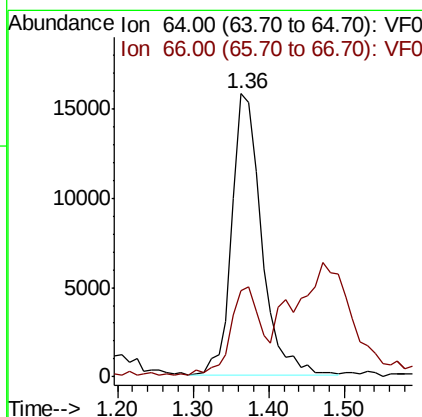
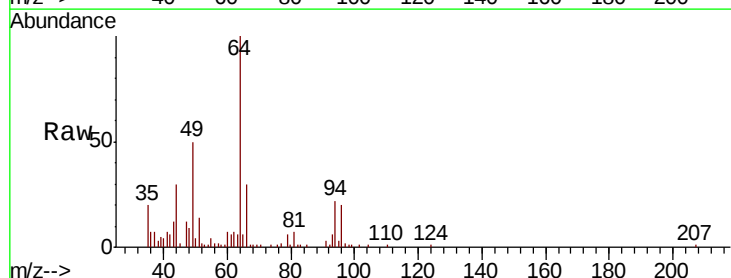
Acq: 8 Nov 2018 12:05

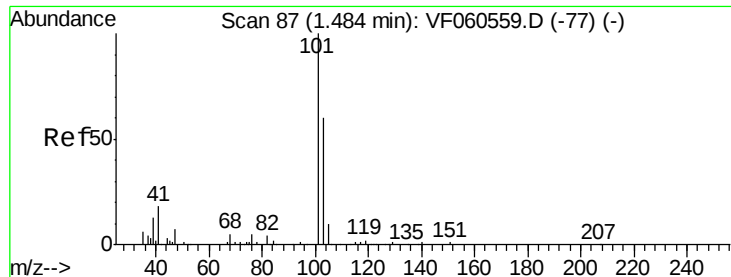
Tgt Ion: 64 Resp: 42485

Ion Ratio Lower Upper

64 100

66 30.5 27.8 41.8





#7

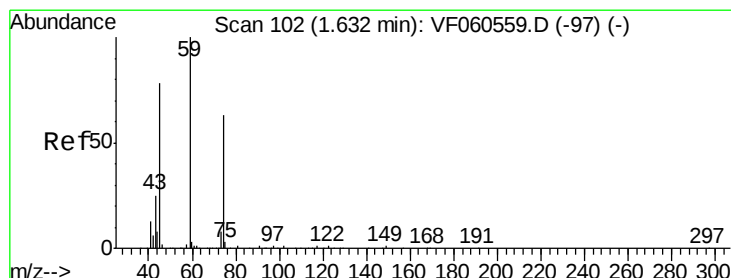
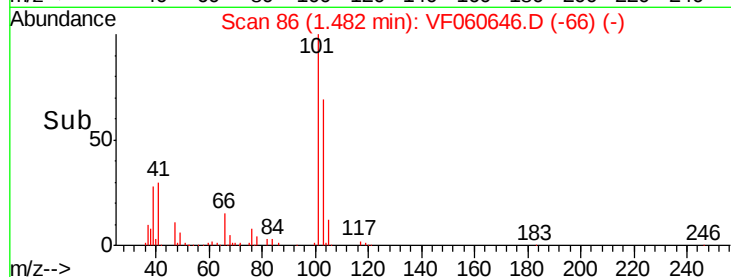
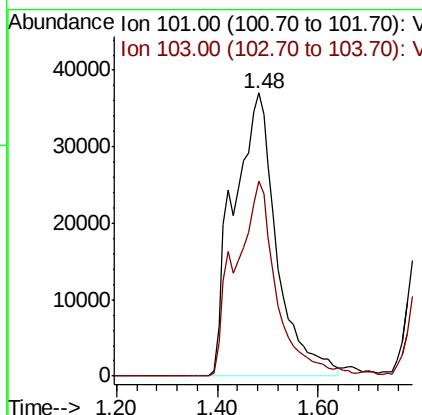
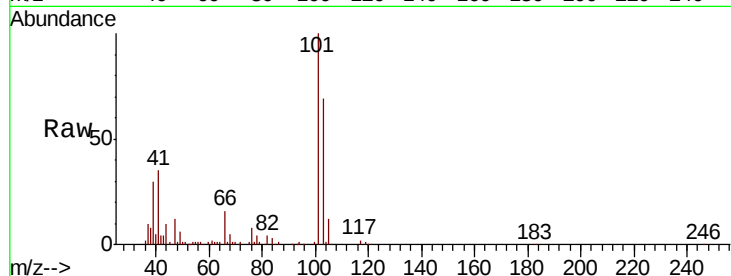
Trichlorofluoromethane
 Concen: 53.353 ug/l
 RT: 1.48 min Scan# 86
 Delta R.T. -0.00 min
 Lab File: VF060646.D
 Acq: 8 Nov 2018 12:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.7	48.0	72.0

Manual Integrations
 APPROVED

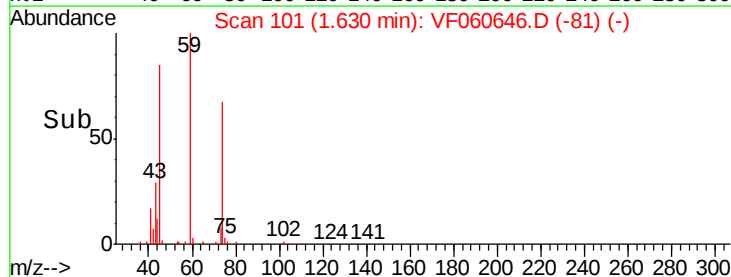
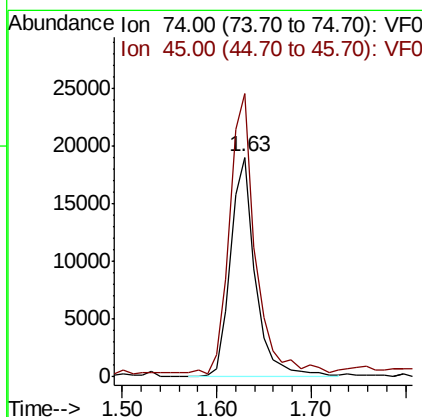
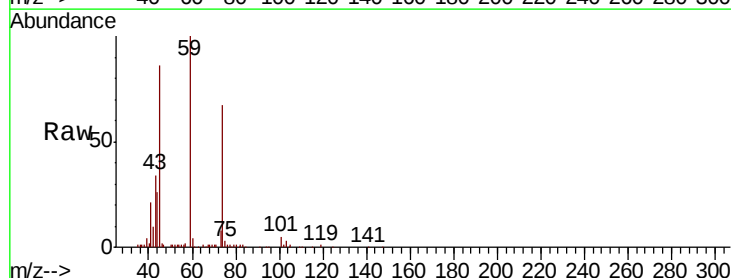
apatel
 11/9/2018 3:31:41 PM

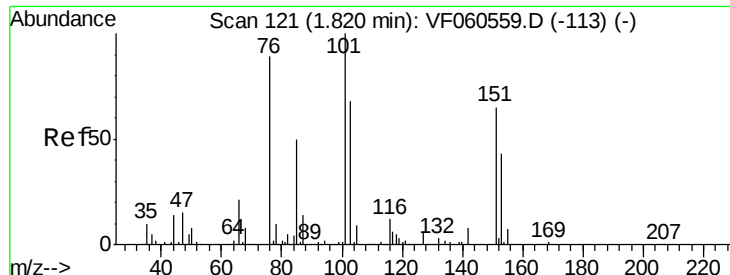


#8

Diethyl Ether
 Concen: 45.401 ug/l
 RT: 1.63 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VF060646.D
 Acq: 8 Nov 2018 12:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	129.0	63.8	191.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.620 ug/l

RT: 1.81 min Scan# 119

Delta R.T. -0.01 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Instrument :

MSVOA_F

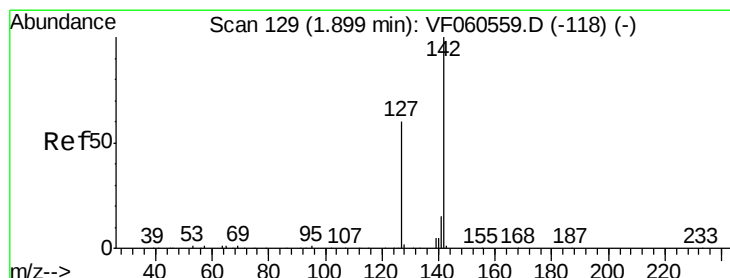
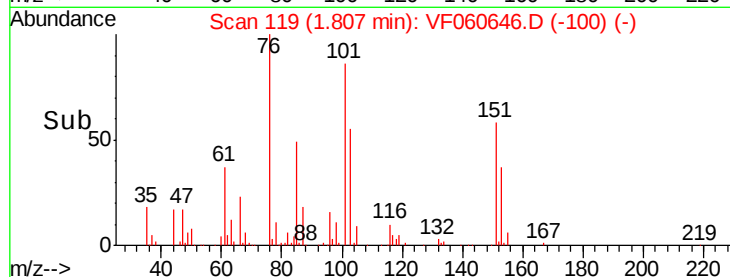
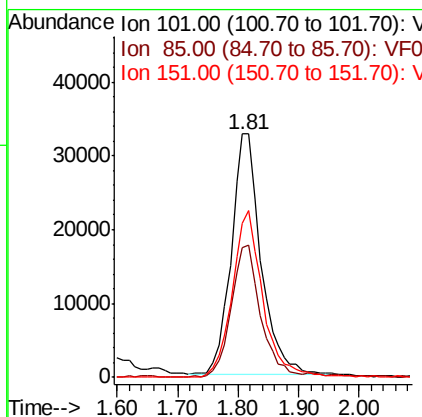
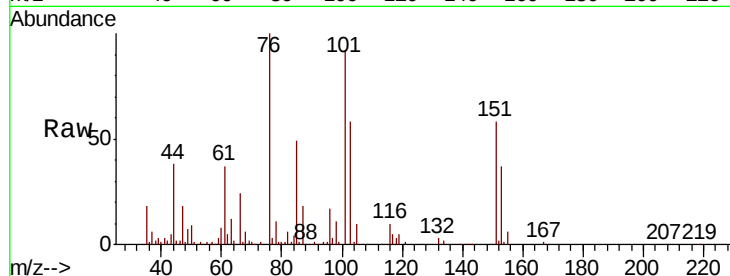
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	110031
Ion Ratio	Lower	Upper	
101	100		
85	53.2	39.8	59.6
151	63.1	50.8	76.2

Manual Integrations
APPROVED

apatel
11/9/2018 3:31:41 PM



#10

Methyl Iodide

Concen: 48.717 ug/l

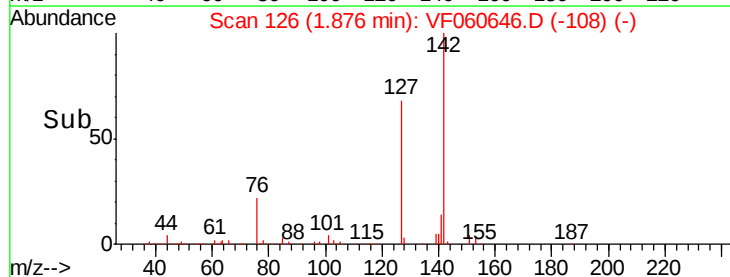
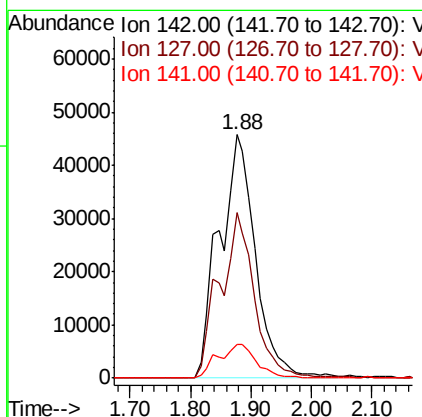
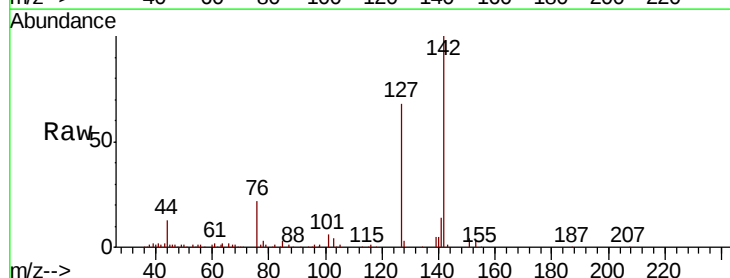
RT: 1.88 min Scan# 126

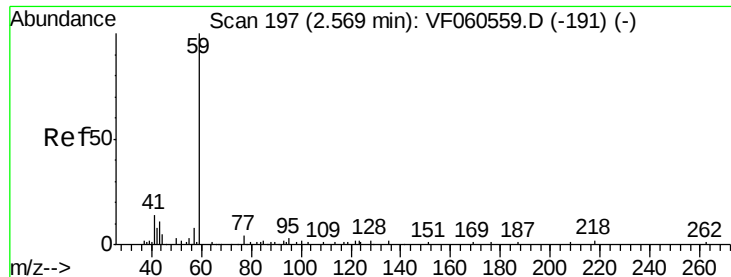
Delta R.T. -0.02 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Tgt Ion:	142	Resp:	189215
Ion Ratio	Lower	Upper	
142	100		
127	68.0	47.8	71.6
141	13.7	12.7	19.1





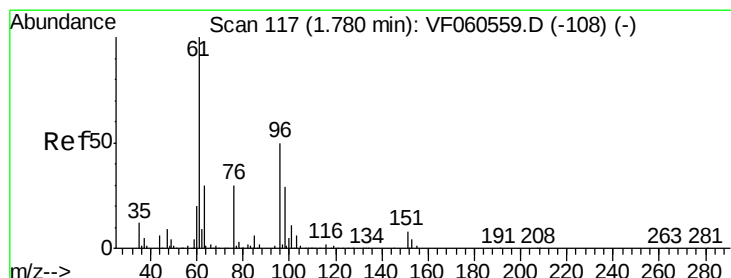
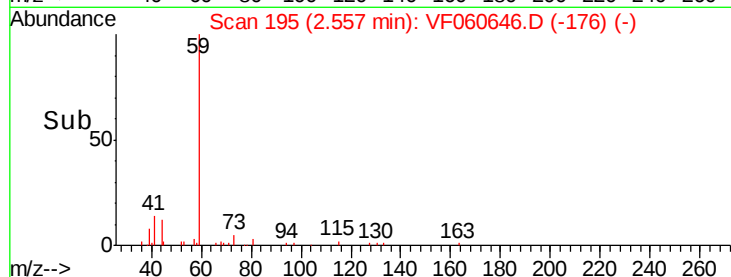
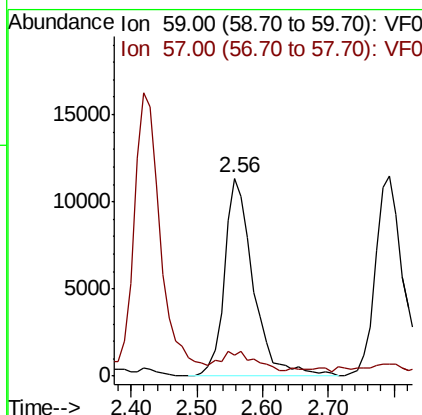
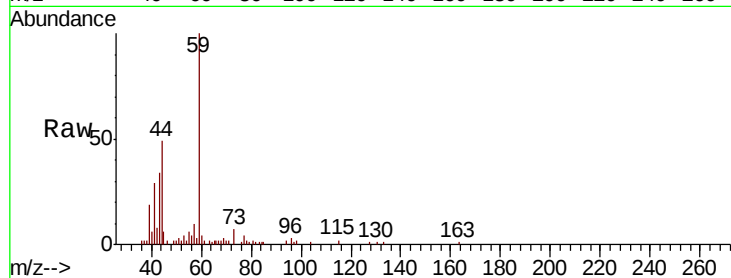
#11
Tert butyl alcohol
Concen: 238.841 ug/l
RT: 2.56 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 34625
Ion Ratio Lower Upper
59 100
57 10.3 19.0 28.4#

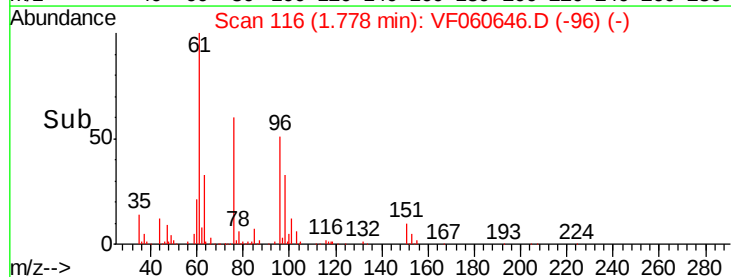
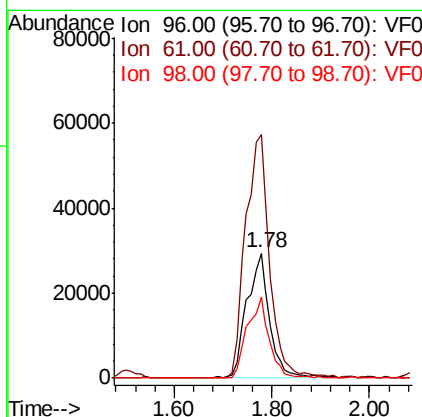
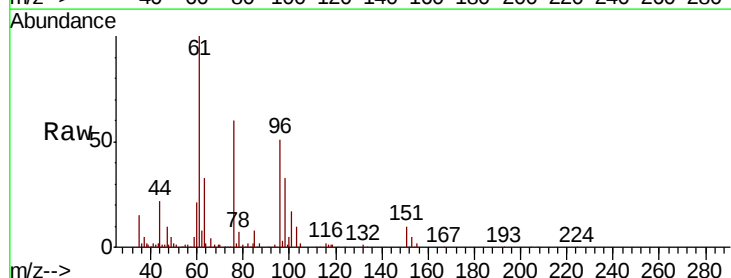
Manual Integrations
APPROVED

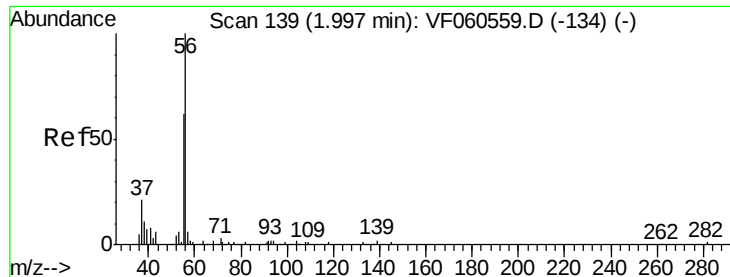
apatel
11/9/2018 3:31:41 PM



#12
1,1-Dichloroethene
Concen: 48.370 ug/l
RT: 1.78 min Scan# 116
Delta R.T. -0.00 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Tgt Ion: 96 Resp: 96151
Ion Ratio Lower Upper
96 100
61 194.9 158.1 237.1
98 64.7 47.0 70.6





#13

Acrolein

Concen: 248.859 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 22580

Ion Ratio Lower Upper

56 100

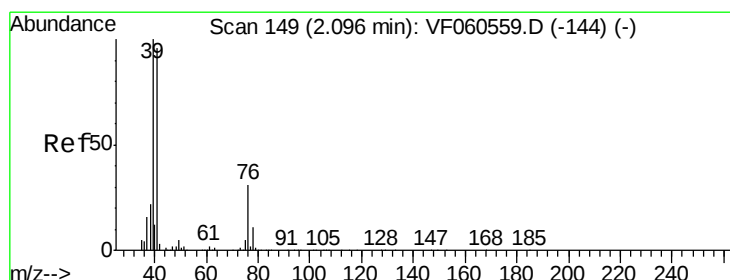
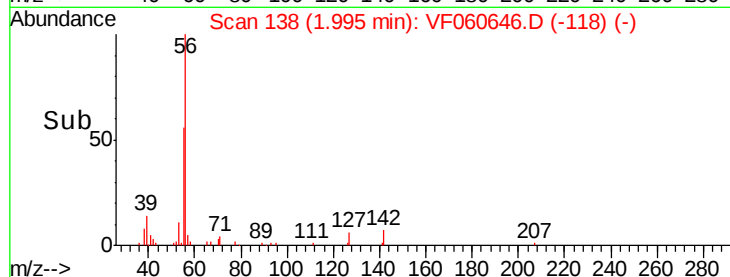
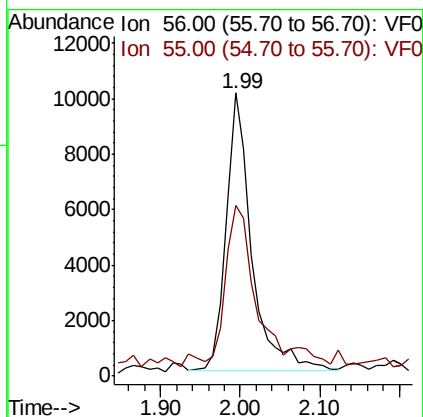
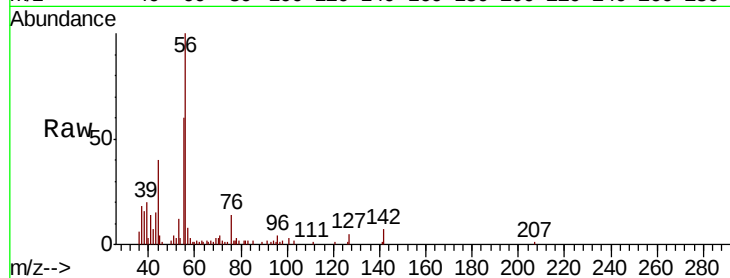
55 60.3 61.8 92.6#

Manual Integrations

APPROVED

apatel

11/9/2018 3:31:41 PM



#14

Allyl chloride

Concen: 54.395 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

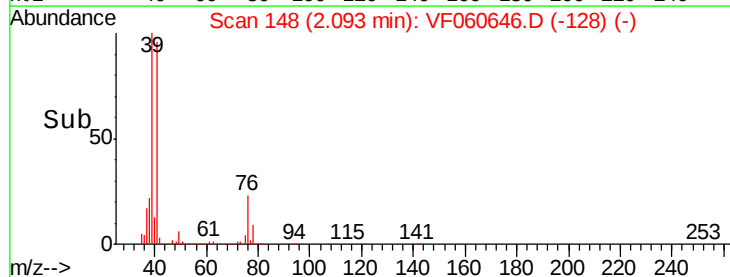
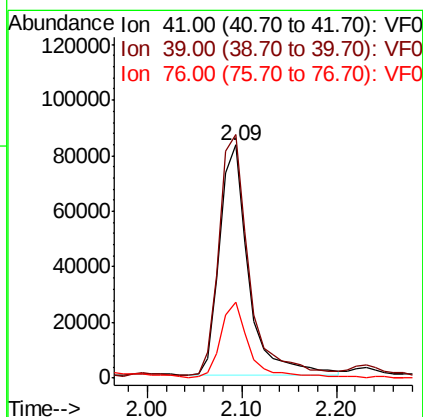
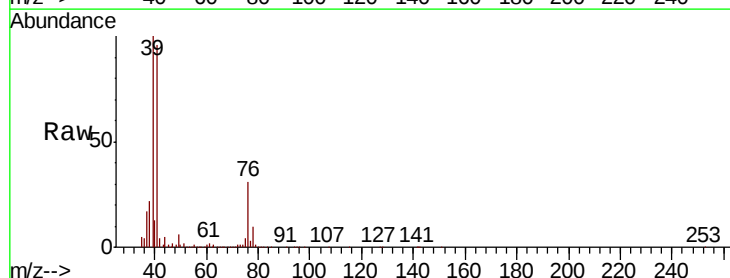
Tgt Ion: 41 Resp: 176555

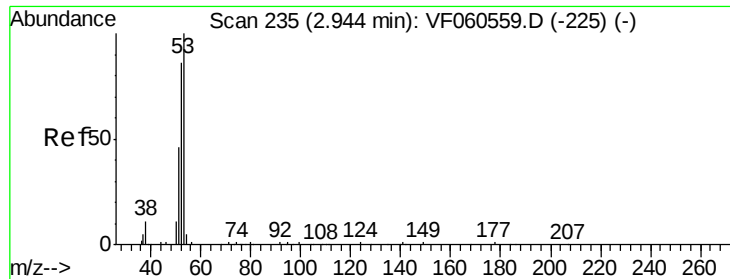
Ion Ratio Lower Upper

41 100

39 104.6 82.6 124.0

76 32.4 26.7 40.1





#15

Acrylonitrile

Concen: 217.275 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Instrument :

MSVOA_F

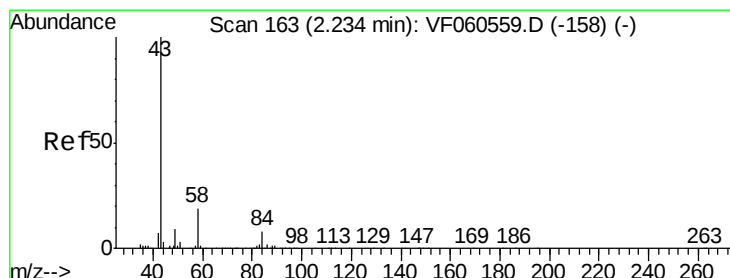
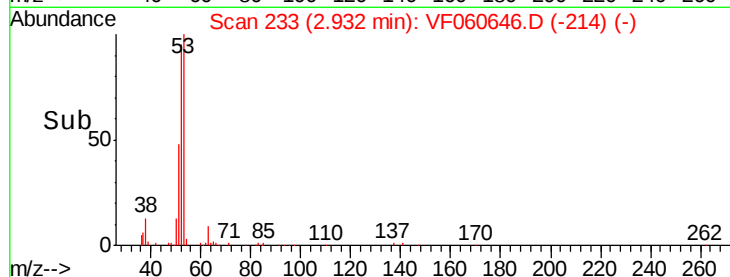
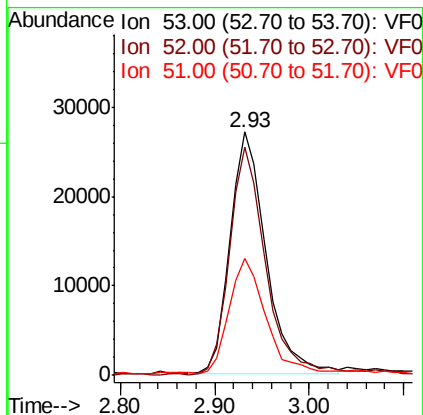
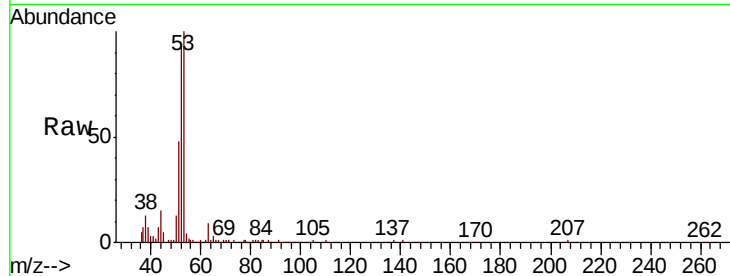
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	71590
Ion	Ratio	Lower	Upper
53	100		
52	94.0	68.5	102.7
51	48.2	38.2	57.2

Manual Integrations
APPROVED

apatel
11/9/2018 3:31:41 PM



#16

Acetone

Concen: 257.414 ug/l

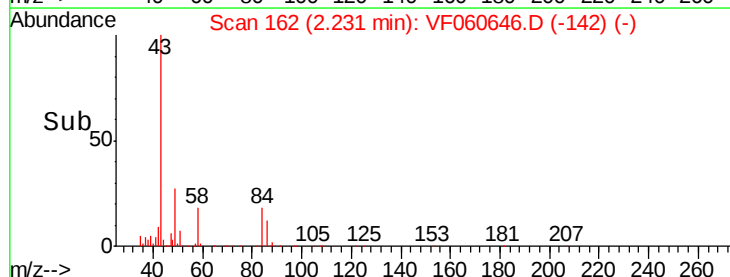
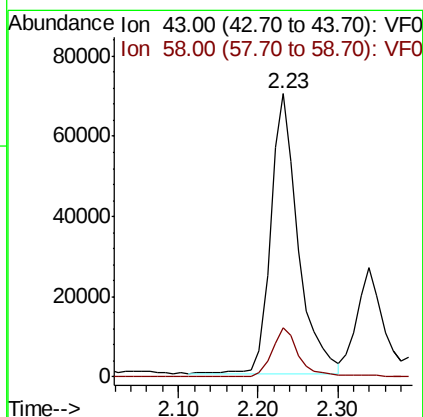
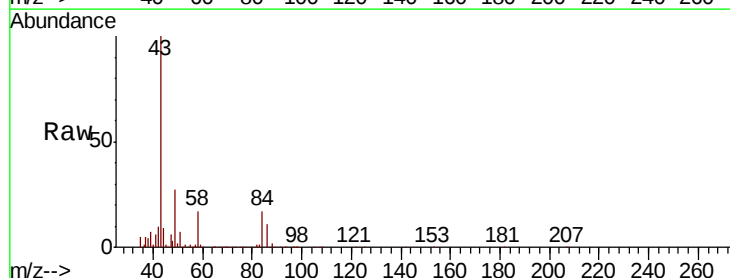
RT: 2.23 min Scan# 162

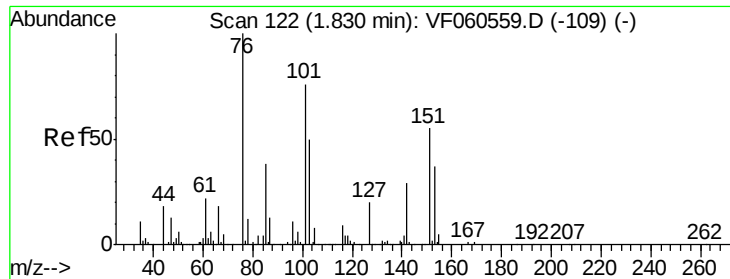
Delta R.T. -0.00 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Tgt Ion:	43	Resp:	167696
Ion	Ratio	Lower	Upper
43	100		
58	17.4	14.6	22.0





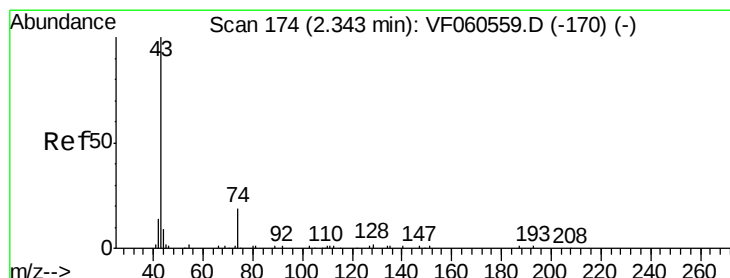
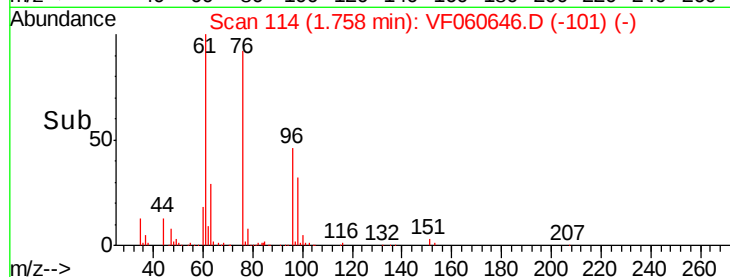
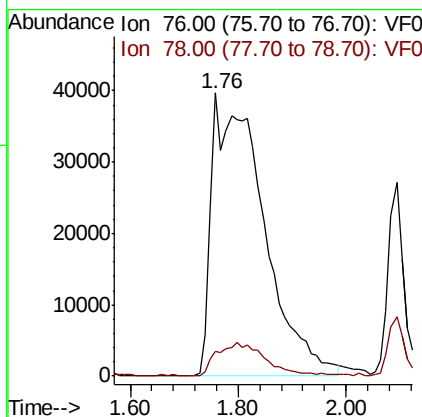
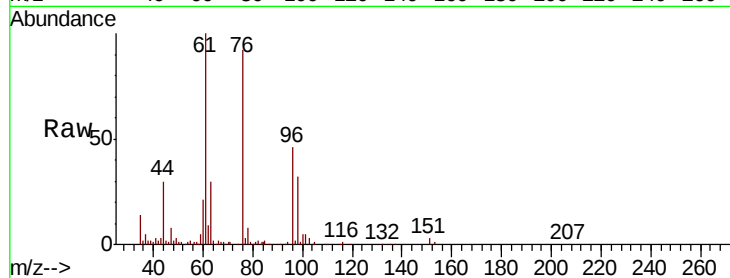
#17
Carbon Disulfide
Concen: 47.210 ug/l
RT: 1.76 min Scan# 114
Delta R.T. -0.07 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 264350
Ion Ratio Lower Upper
76 100
78 8.9 9.9 14.9#

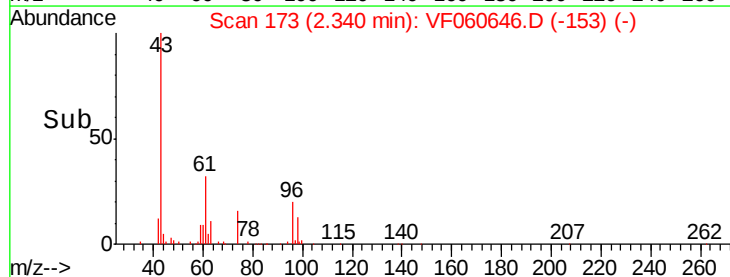
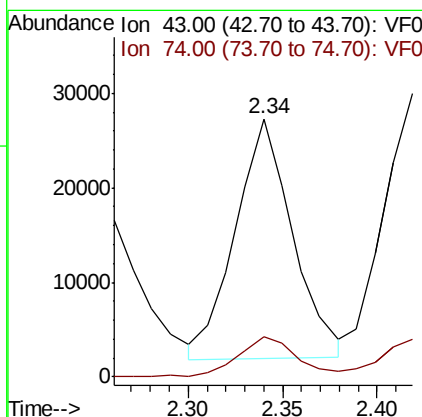
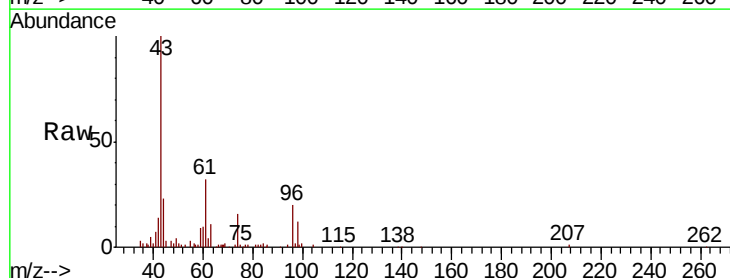
Manual Integrations
APPROVED

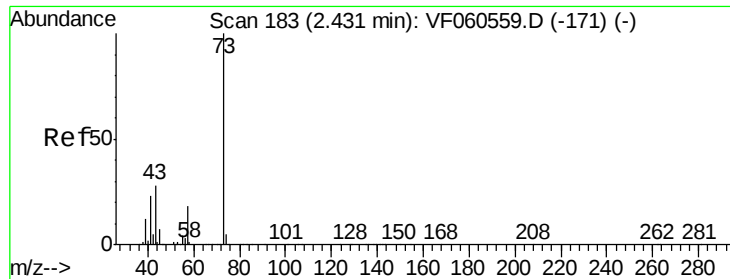
apatel
11/9/2018 3:31:41 PM



#18
Methyl Acetate
Concen: 52.739 ug/l
RT: 2.34 min Scan# 173
Delta R.T. -0.00 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Tgt Ion: 43 Resp: 53395
Ion Ratio Lower Upper
43 100
74 15.7 12.1 18.1





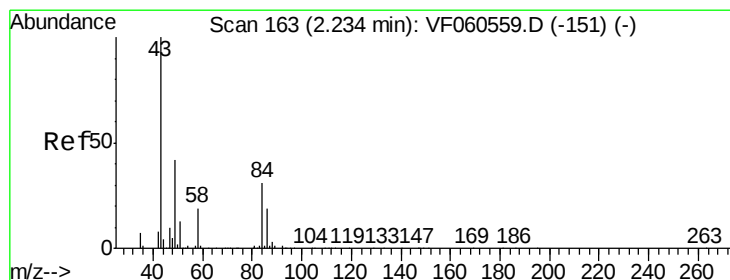
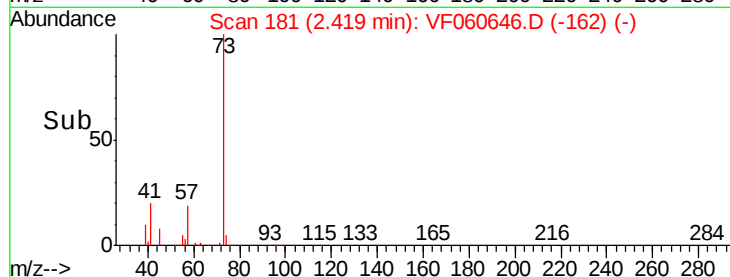
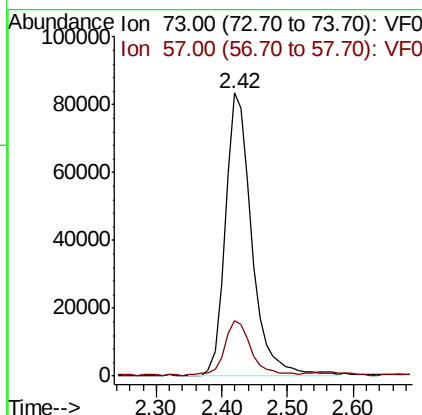
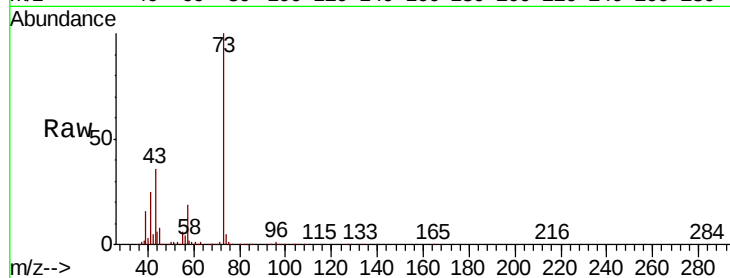
#19
Methyl tert-butyl Ether
Concen: 50.674 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 235473
Ion Ratio Lower Upper
73 100
57 19.4 15.4 23.0

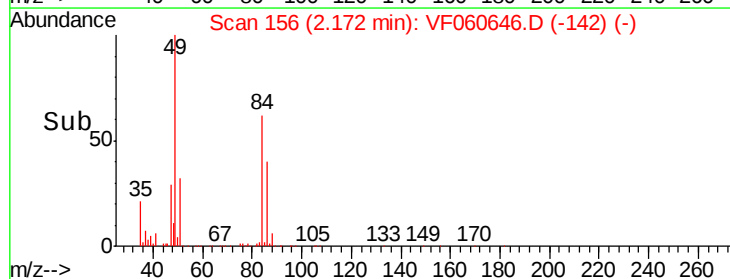
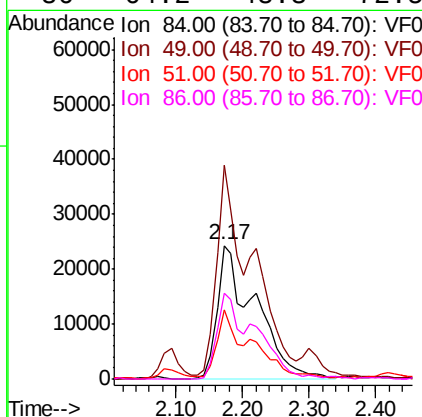
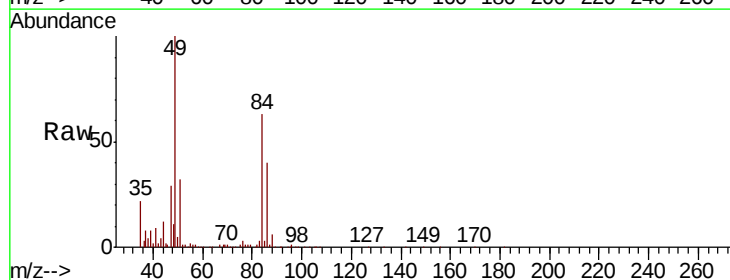
Manual Integrations
APPROVED

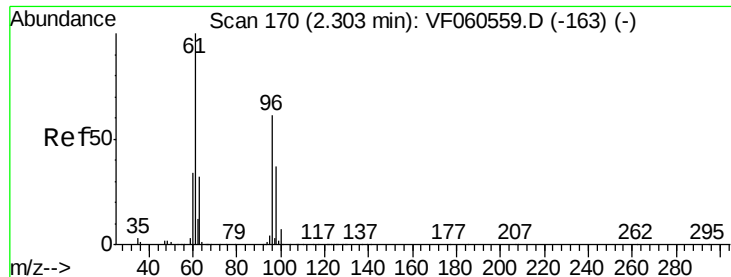
apatel
11/9/2018 3:31:41 PM



#20
Methylene Chloride
Concen: 49.672 ug/l m
RT: 2.17 min Scan# 156
Delta R.T. -0.06 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Tgt Ion: 84 Resp: 96015
Ion Ratio Lower Upper
84 100
49 160.0 109.9 164.9
51 51.9 35.8 53.8
86 64.2 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 49.609 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.00 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Instrument :

MSVOA_F

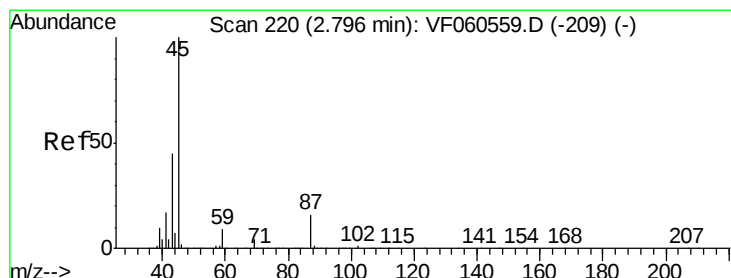
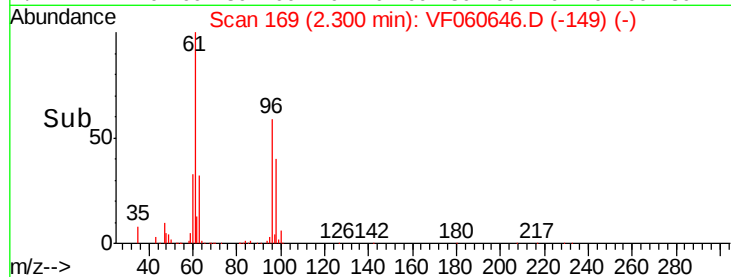
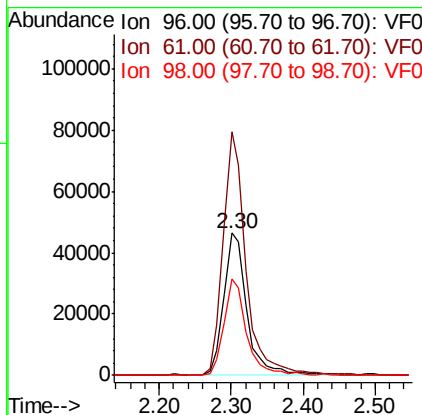
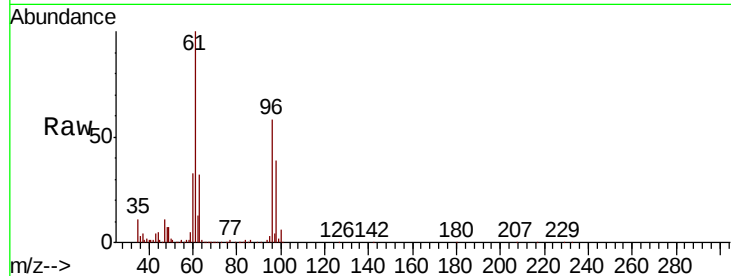
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	103457
Ion	Ratio	Lower	Upper
96	100		
61	171.1	131.3	196.9
98	67.5	48.6	73.0

Manual Integrations
APPROVED

apatel
11/9/2018 3:31:41 PM



#22

Diisopropyl ether

Concen: 52.384 ug/l

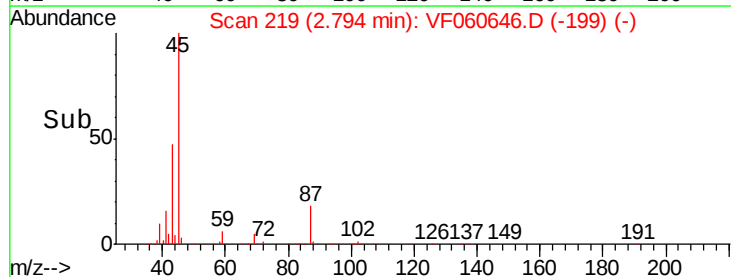
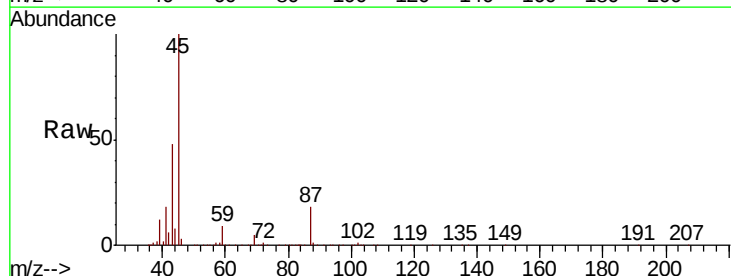
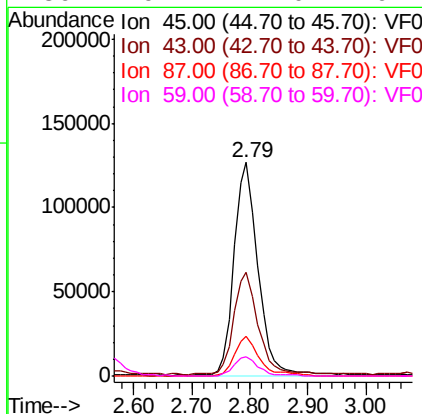
RT: 2.79 min Scan# 219

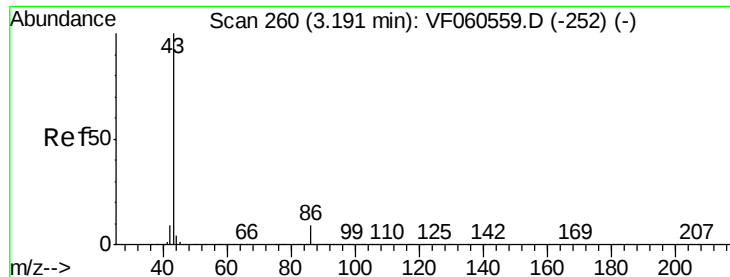
Delta R.T. -0.00 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Tgt Ion:	45	Resp:	360244
Ion	Ratio	Lower	Upper
45	100		
43	48.3	38.1	57.1
87	18.3	12.7	19.1
59	9.1	7.0	10.4





#23

Vinyl Acetate

Concen: 233.596 ug/l

RT: 3.18 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 965191

Ion Ratio Lower Upper

43 100

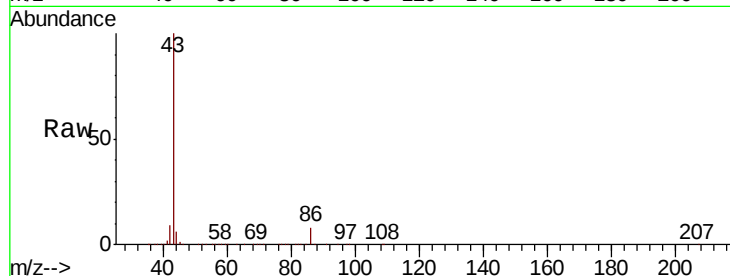
86 8.3 7.1 10.7

Manual Integrations

APPROVED

apatel

11/9/2018 3:31:41 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.18

400000

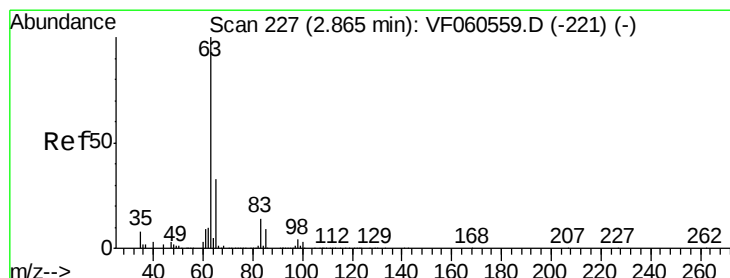
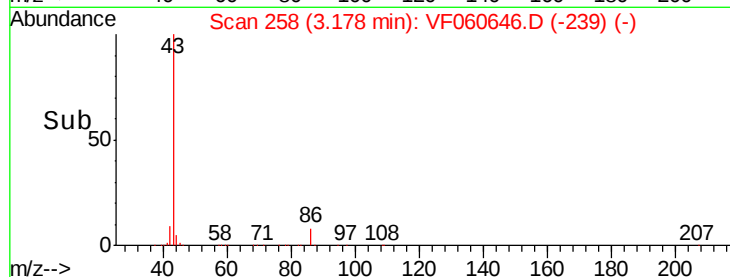
300000

200000

100000

0

Time--> 3.00 3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 52.624 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.00 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

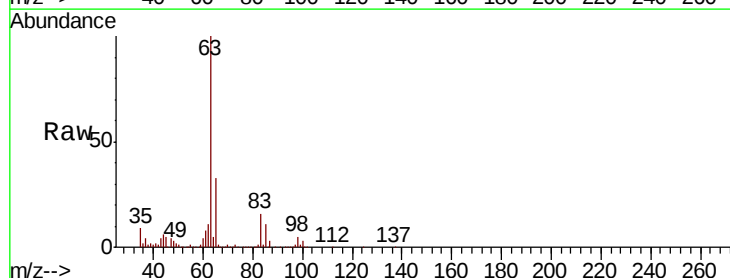
Tgt Ion: 63 Resp: 209443

Ion Ratio Lower Upper

63 100

98 5.2 2.2 6.6

100 3.0 1.4 4.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.86

100000

80000

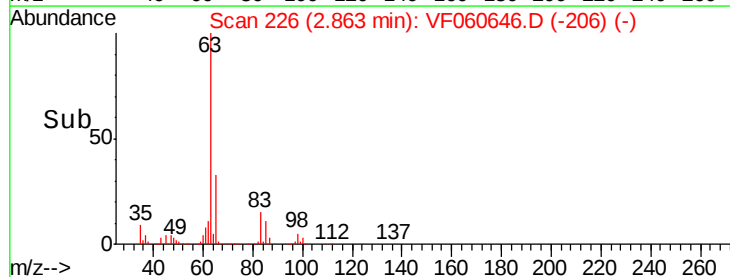
60000

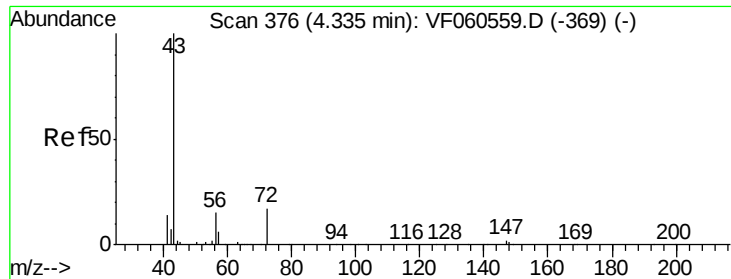
40000

20000

0

Time--> 2.70 2.80 2.90 3.00





#25

2-Butanone

Concen: 260.590 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.01 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 317633

Ion Ratio Lower Upper

43 100

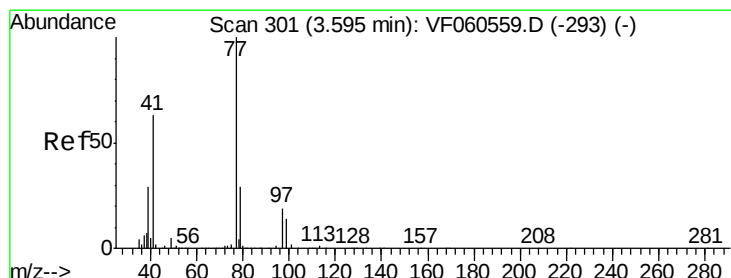
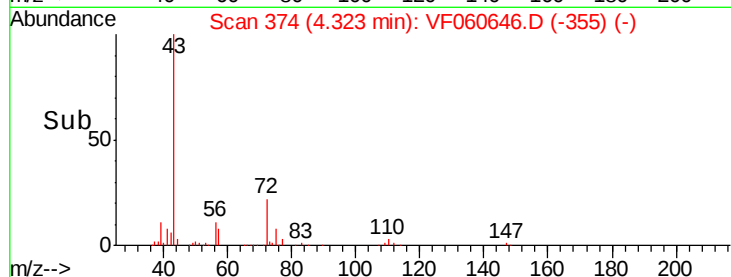
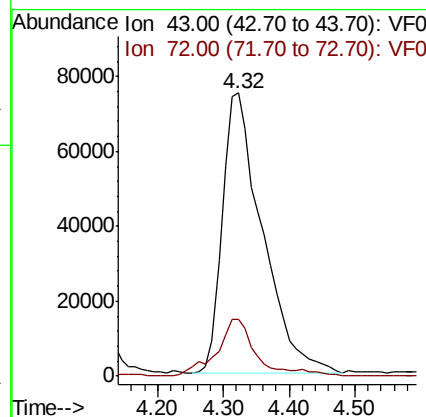
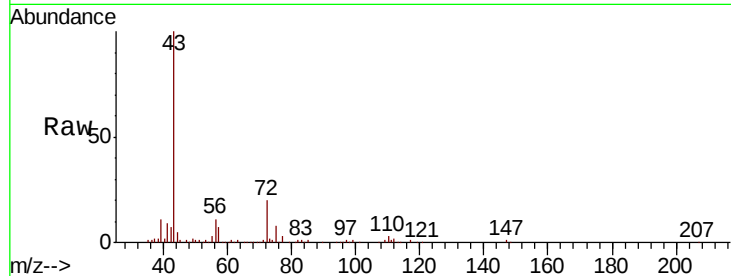
72 20.3 16.2 24.2

Manual Integrations

APPROVED

apatel

11/9/2018 3:31:41 PM



#26

2,2-Dichloropropane

Concen: 57.167 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.00 min

Lab File: VF060646.D

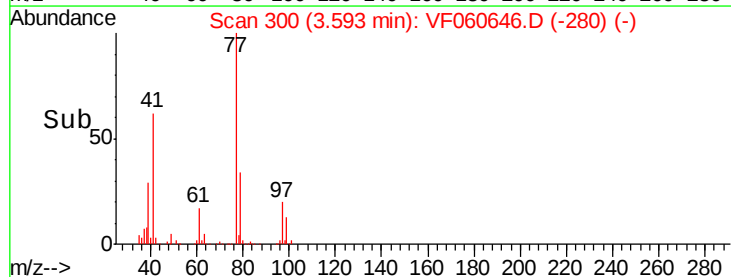
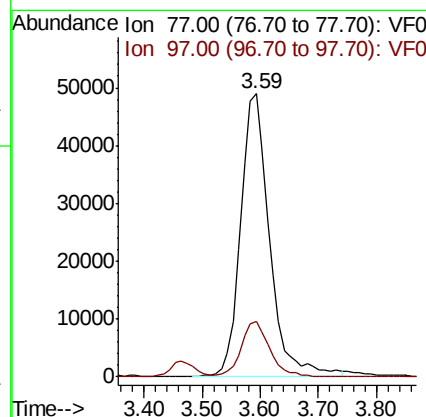
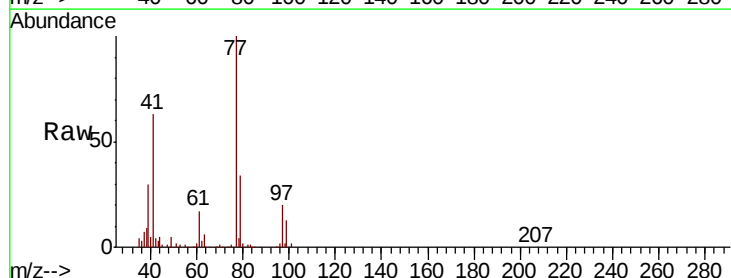
Acq: 8 Nov 2018 12:05

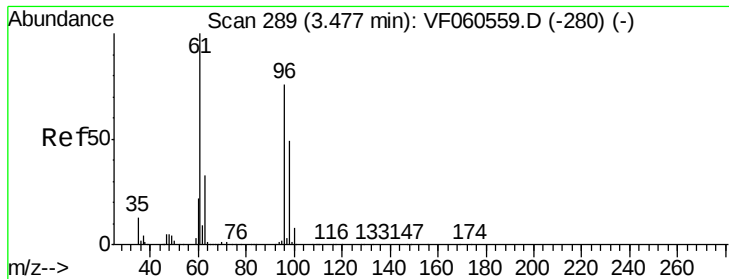
Tgt Ion: 77 Resp: 170242

Ion Ratio Lower Upper

77 100

97 19.6 9.8 29.3





#27

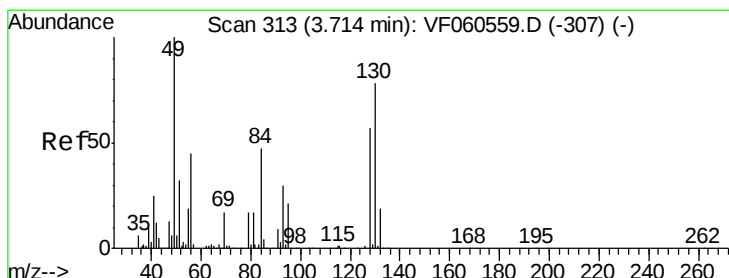
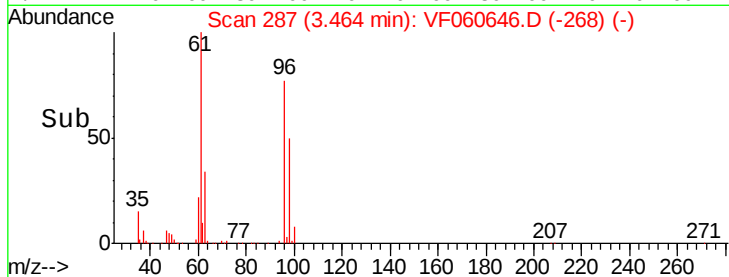
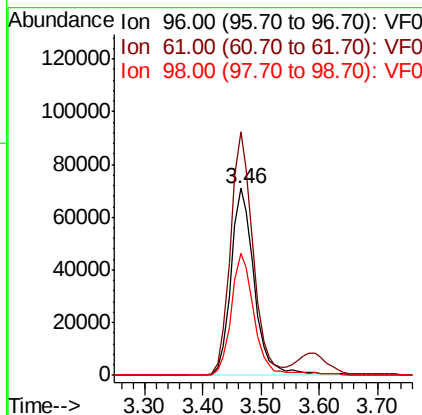
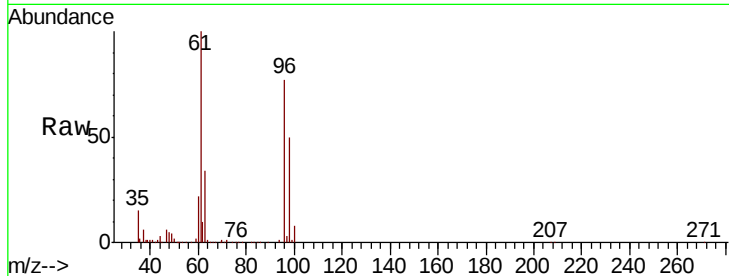
cis-1,2-Dichloroethene
Concen: 49.713 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.01 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.2	0.0	263.0
98	65.3	0.0	130.6

Manual Integrations
APPROVED

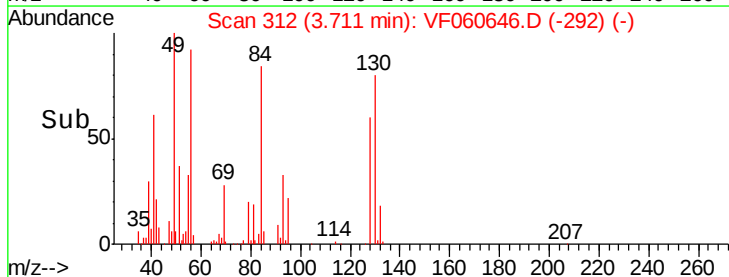
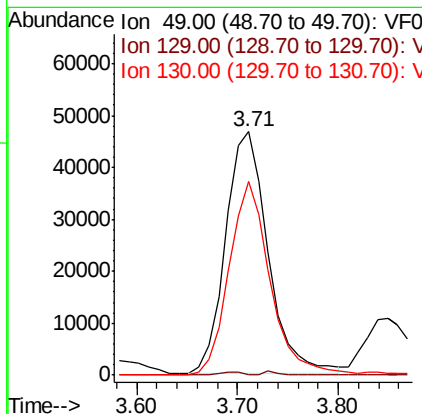
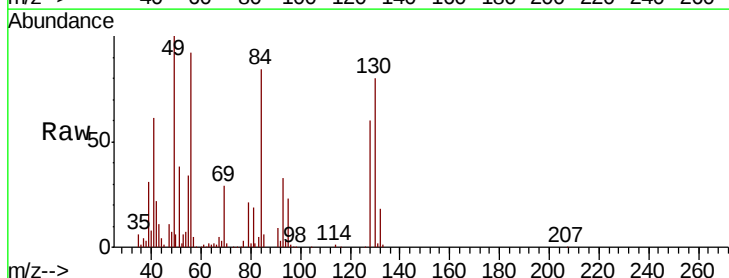
apatel
11/9/2018 3:31:41 PM

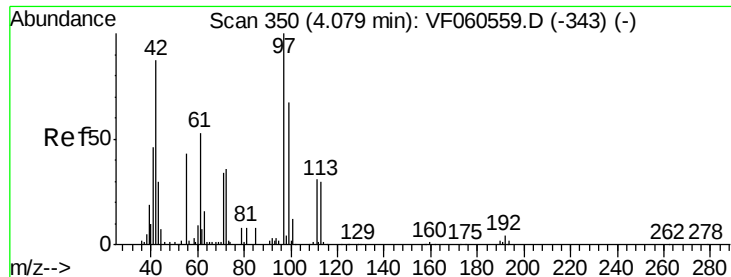


#28

Bromochloromethane
Concen: 54.741 ug/l
RT: 3.71 min Scan# 312
Delta R.T. -0.00 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	79.7	61.8	92.8





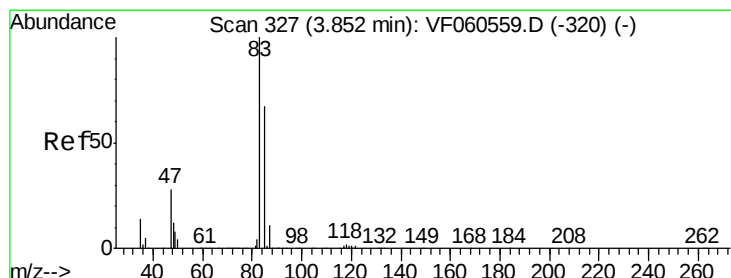
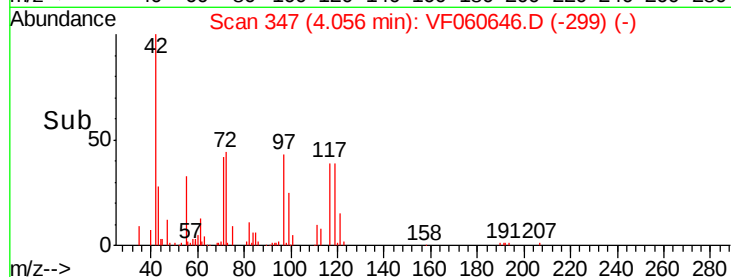
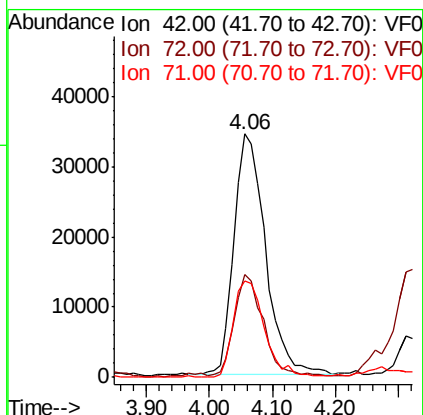
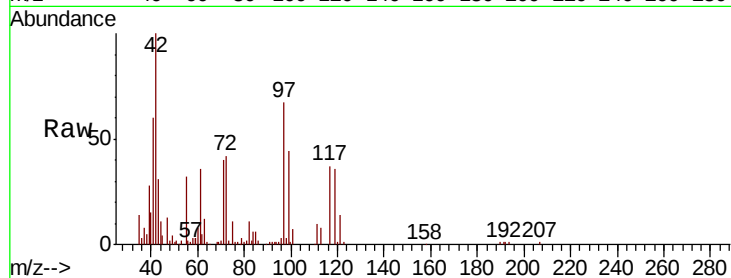
#29
Tetrahydrofuran
Concen: 244.422 ug/l
RT: 4.06 min Scan# 347
Delta R.T. -0.02 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	31.4	47.0
71	40.1	31.8	47.6

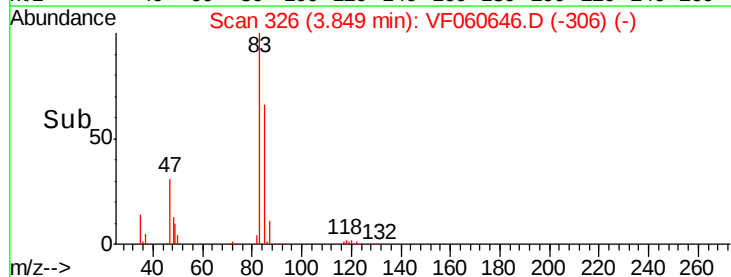
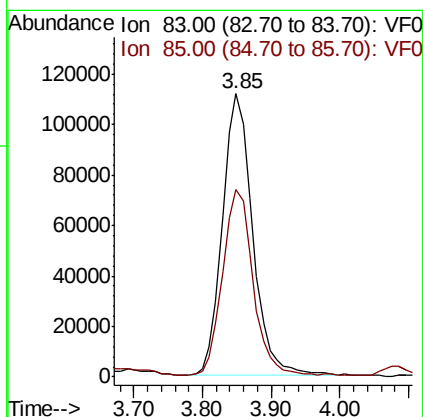
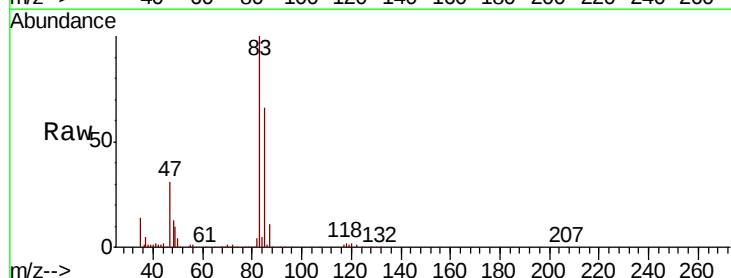
Manual Integrations
APPROVED

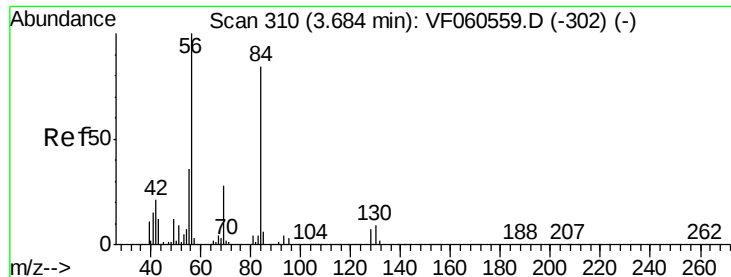
apatel
11/9/2018 3:31:41 PM



#30
Chloroform
Concen: 53.928 ug/l
RT: 3.85 min Scan# 326
Delta R.T. -0.00 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	53.7	80.5





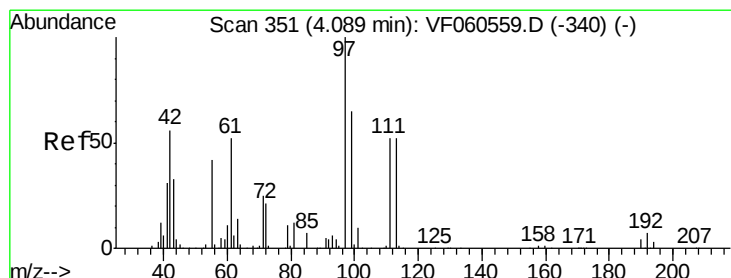
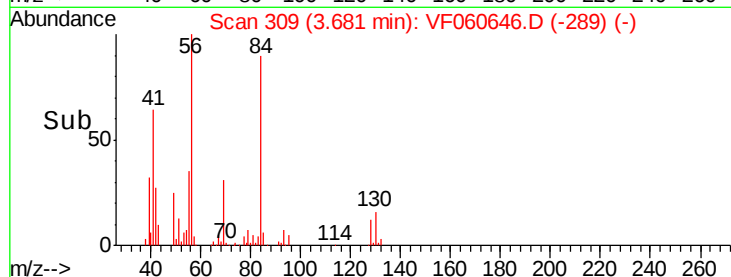
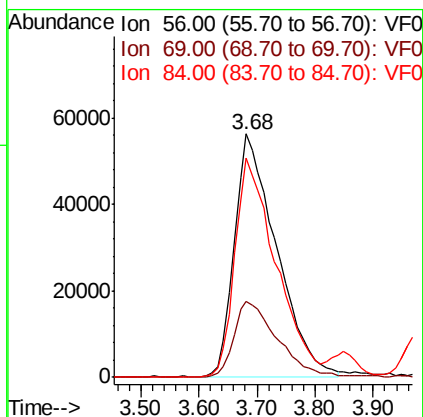
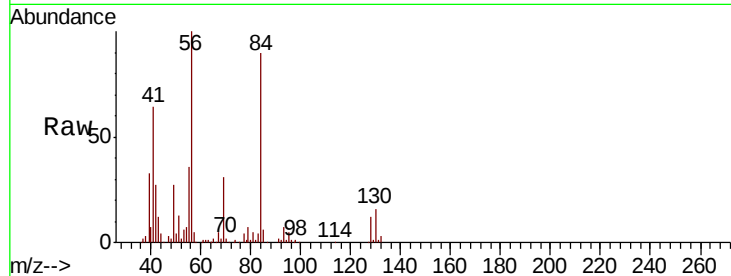
#31
Cyclohexane
Concen: 51.622 ug/l
RT: 3.68 min Scan# 309
Delta R.T. -0.00 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.0	34.4
84	90.1	67.1	100.7

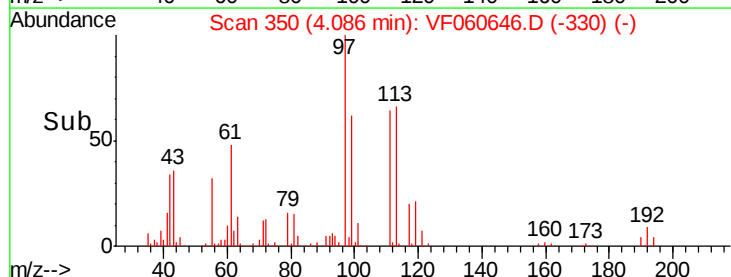
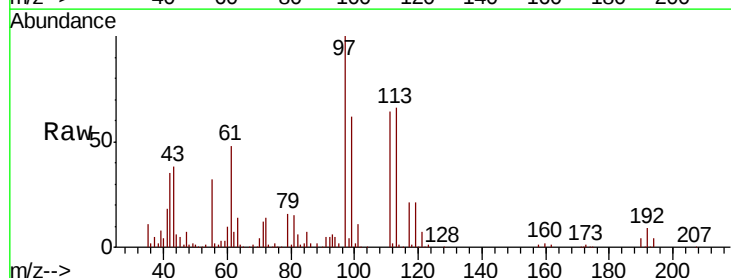
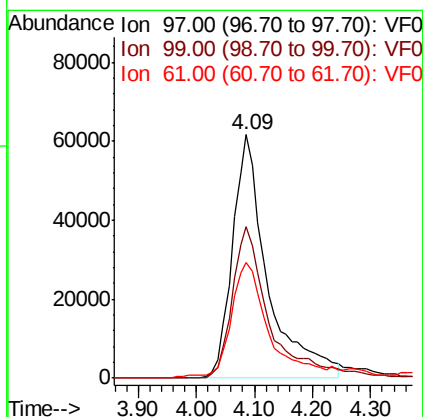
Manual Integrations
APPROVED

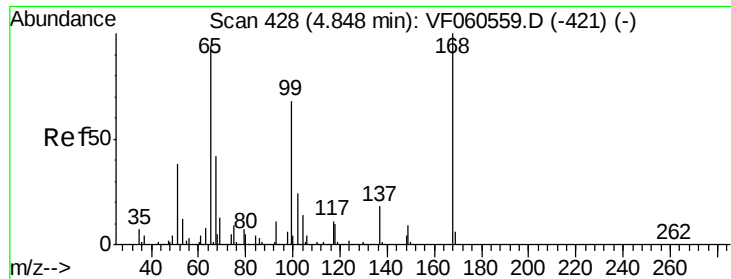
apatel
11/9/2018 3:31:41 PM



#32
1,1,1-Trichloroethane
Concen: 58.887 ug/l
RT: 4.09 min Scan# 350
Delta R.T. -0.00 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.2	52.4	78.6
61	47.7	41.5	62.3





#33

1,2-Dichloroethane-d4

Concen: 53.732 ug/l

RT: 4.84 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 148552

Ion Ratio Lower Upper

65 100

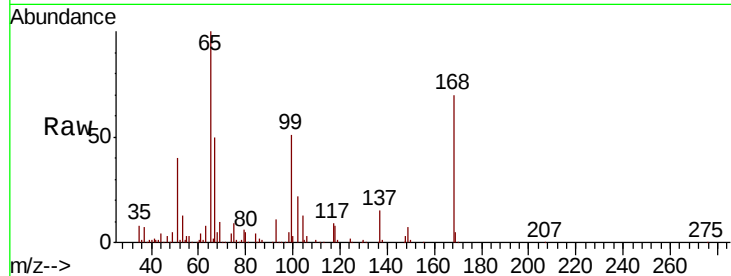
67 50.5 0.0 101.8

Manual Integrations

APPROVED

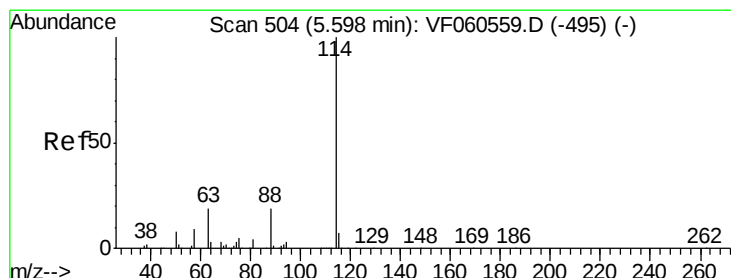
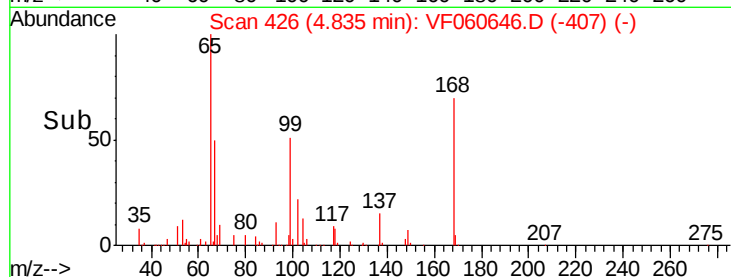
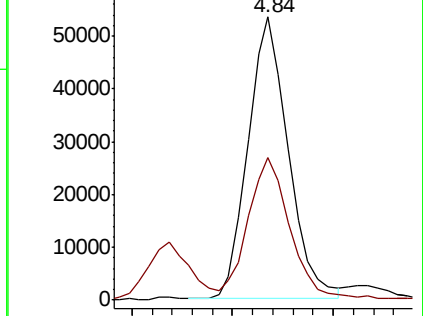
apatel

11/9/2018 3:31:41 PM



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: 5.59 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

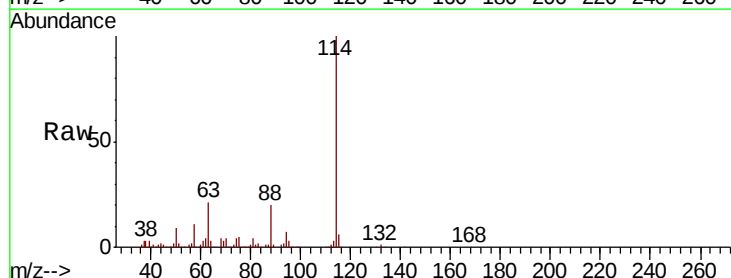
Tgt Ion: 114 Resp: 481795

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.0

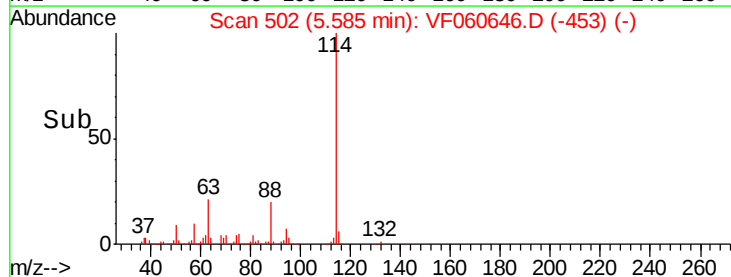
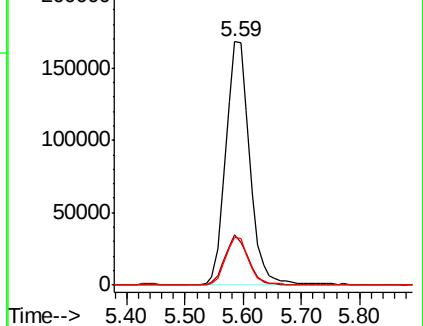
88 19.8 0.0 38.2

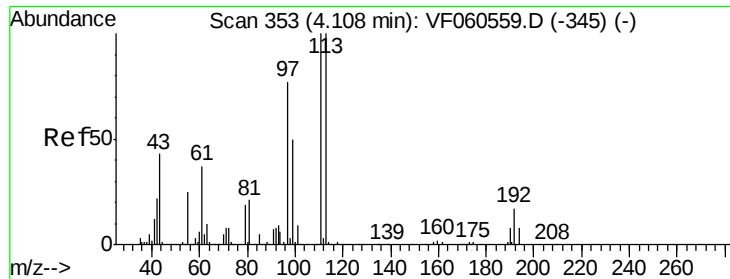


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





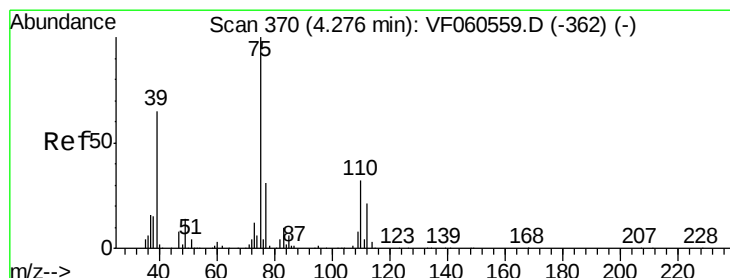
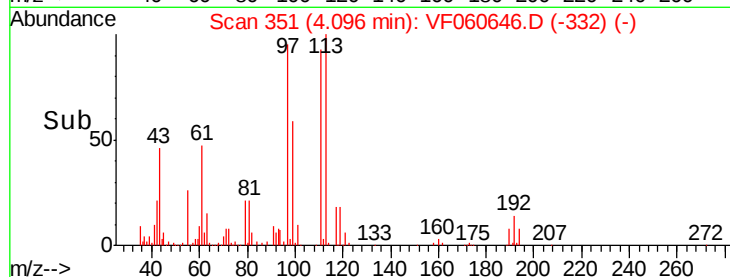
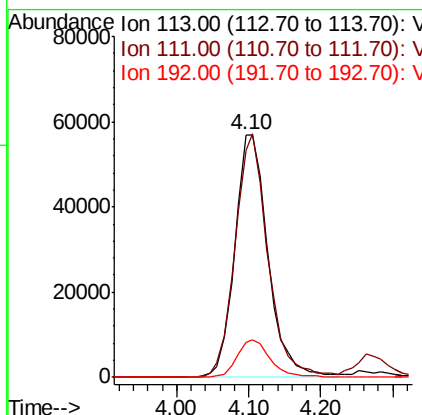
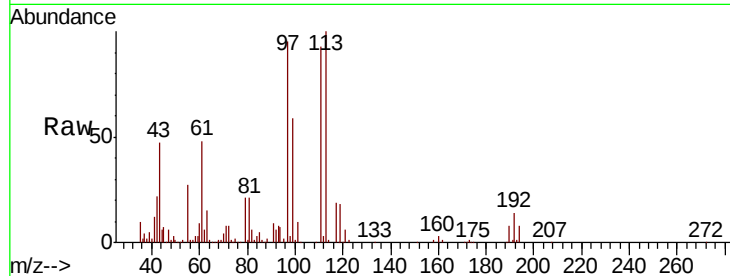
#35
 Dibromofluoromethane
 Concen: 49.268 ug/l
 RT: 4.10 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VF060646.D
 Acq: 8 Nov 2018 12:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	183391		
111	93.5	79.9	119.9	
192	14.4	13.3	19.9	

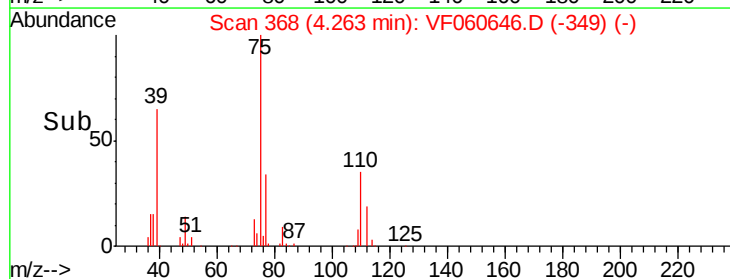
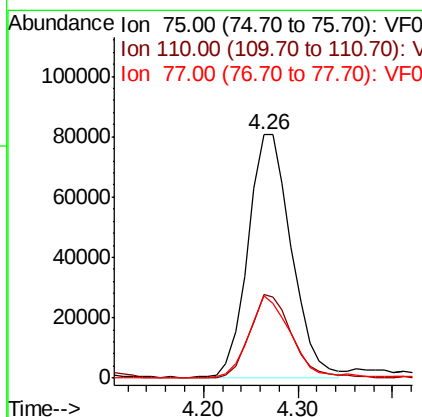
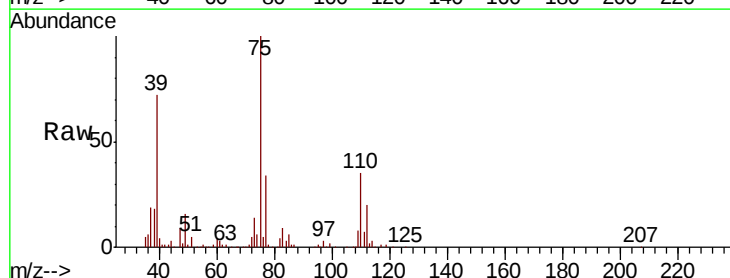
Manual Integrations
 APPROVED

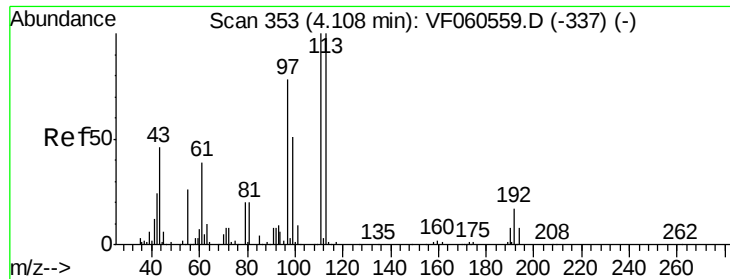
apatel
 11/9/2018 3:31:41 PM



#36
 1,1-Dichloropropene
 Concen: 48.073 ug/l
 RT: 4.26 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VF060646.D
 Acq: 8 Nov 2018 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	255023		
110	34.6	16.2	48.6	
77	33.7	25.0	37.6	





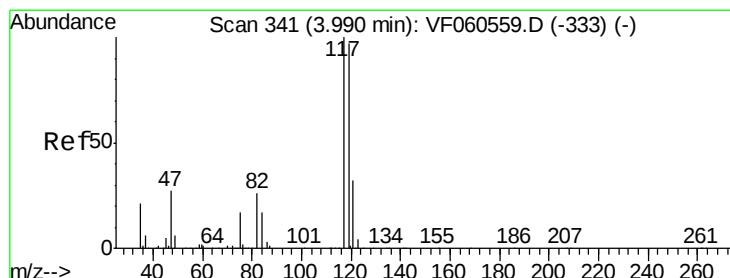
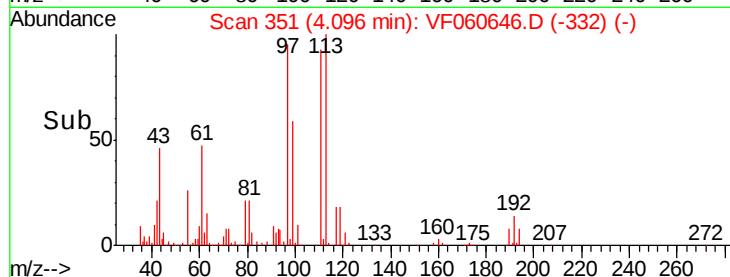
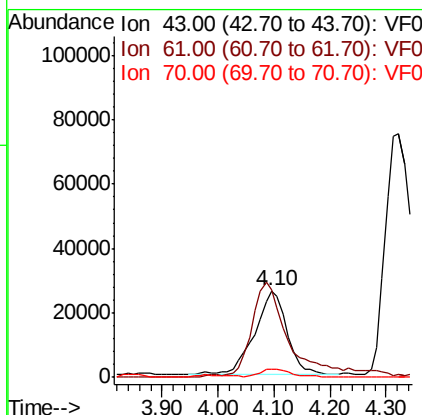
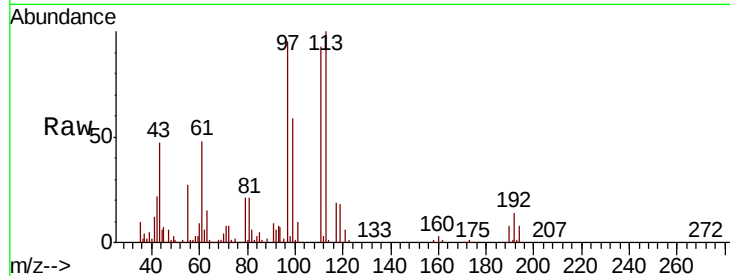
#37
Ethyl Acetate
Concen: 41.527 ug/l
RT: 4.10 min Scan# 351
Delta R.T. -0.01 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	101.2	63.4	95.2#
70	9.5	9.3	13.9

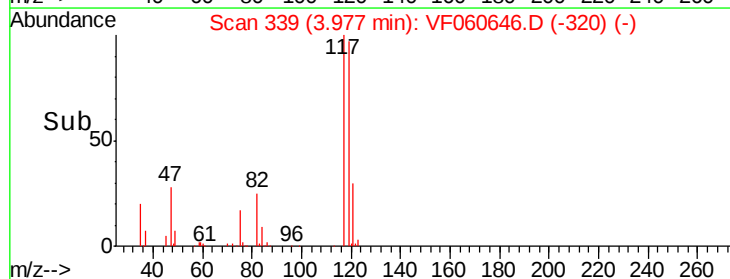
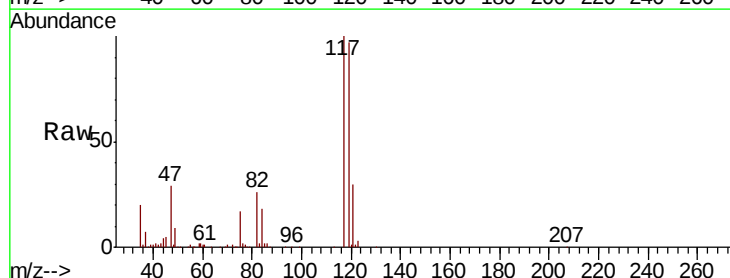
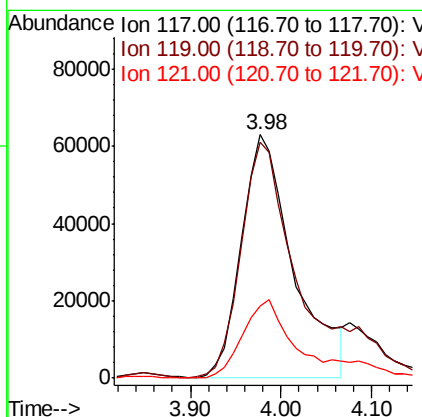
Manual Integrations
APPROVED

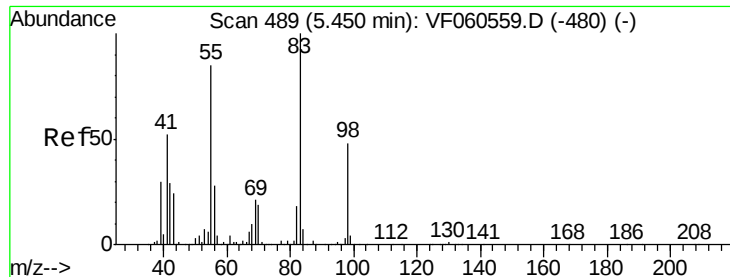
apatel
11/9/2018 3:31:41 PM



#38
Carbon Tetrachloride
Concen: 55.665 ug/l m
RT: 3.98 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.8	116.6
121	29.7	25.6	38.4





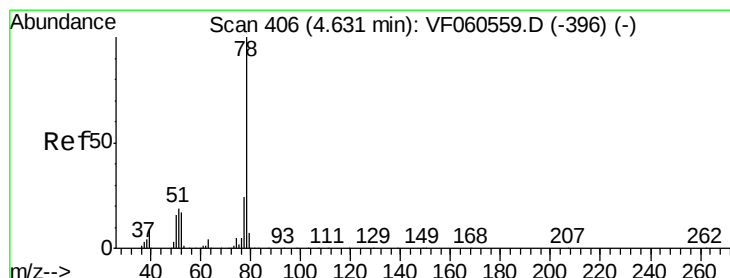
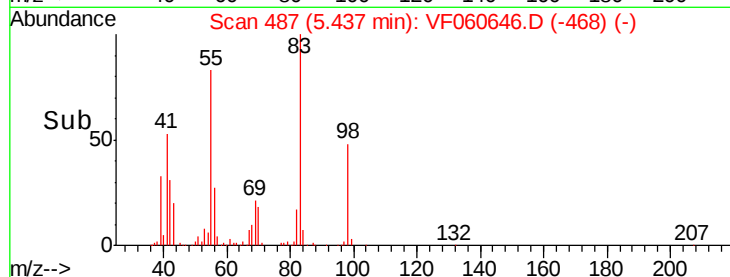
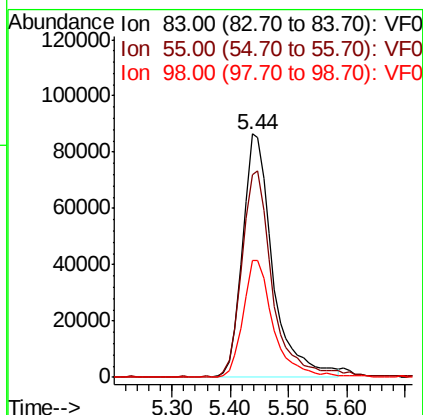
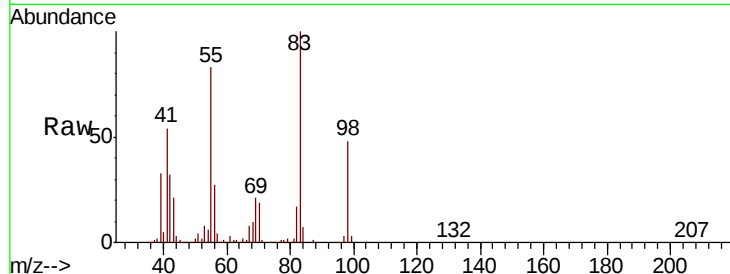
#39
Methvlcvclohexane
Concen: 48.719 ug/l
RT: 5.44 min Scan# 487
Delta R.T. -0.01 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	83.1	69.1	103.7	
98	47.9	38.6	57.8	

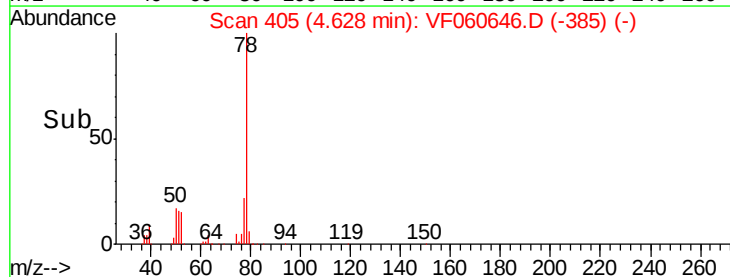
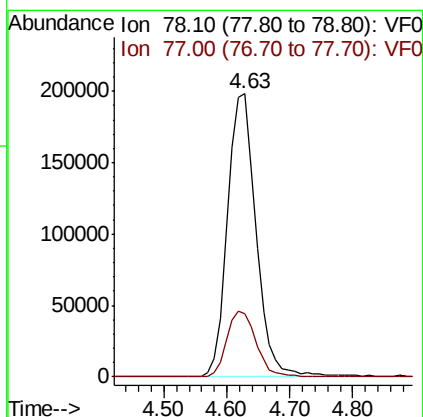
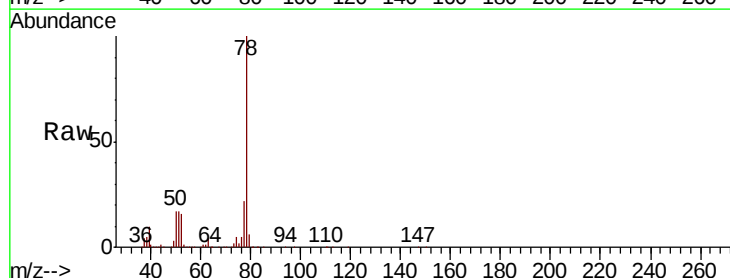
Manual Integrations
APPROVED

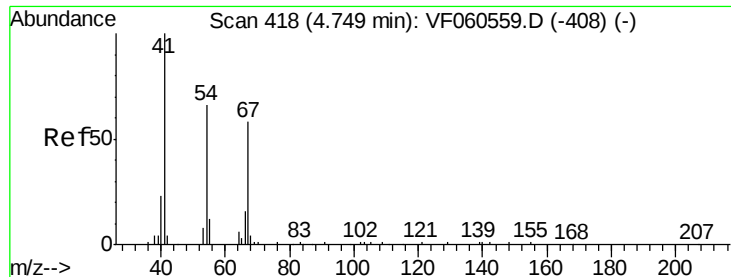
apatel
11/9/2018 3:31:41 PM



#40
Benzene
Concen: 48.270 ug/l
RT: 4.63 min Scan# 405
Delta R.T. -0.00 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.3	19.3	28.9	





#41

Methacrylonitrile

Concen: 43.034 ug/l

RT: 4.73 min Scan# 415

Delta R.T. -0.02 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Instrument :

MSVOA_F

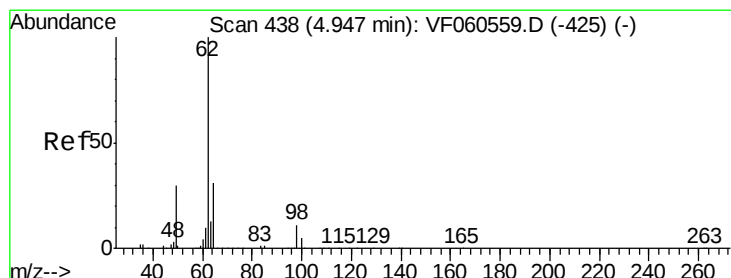
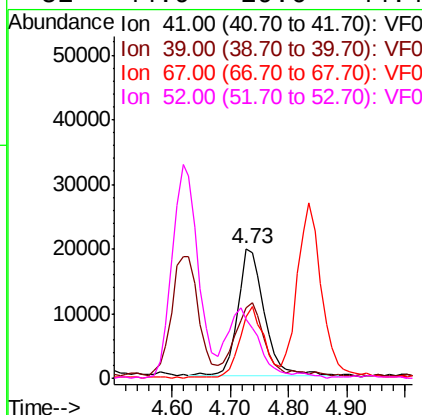
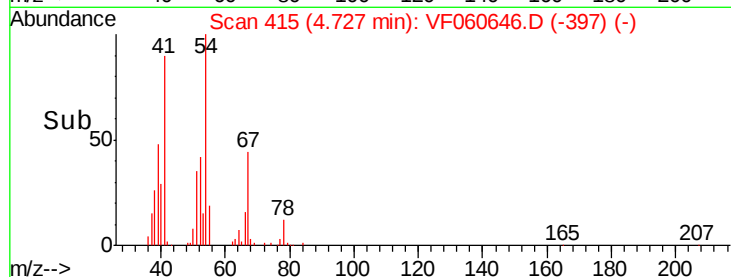
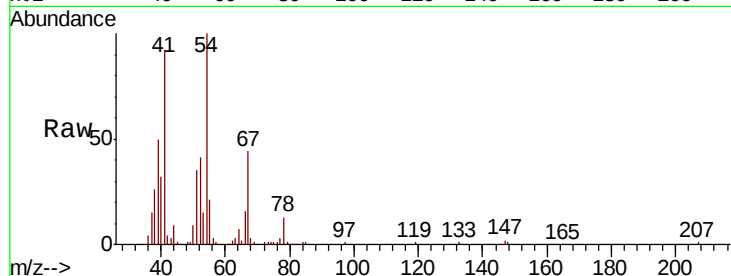
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.3	45.6	68.4	
67	47.7	45.3	67.9	
52	44.9	29.6	44.4	

Manual Integrations
APPROVED

apatel
11/9/2018 3:31:41 PM



#42

1,2-Dichloroethane

Concen: 52.328 ug/l

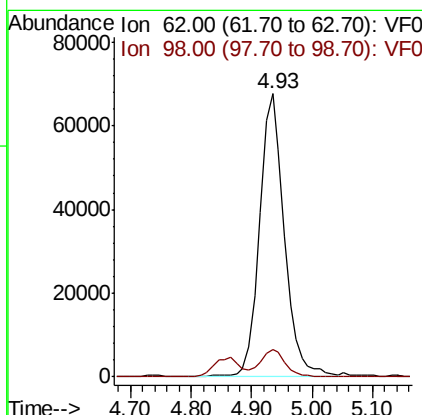
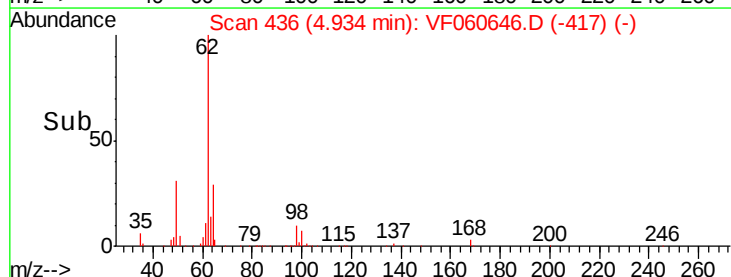
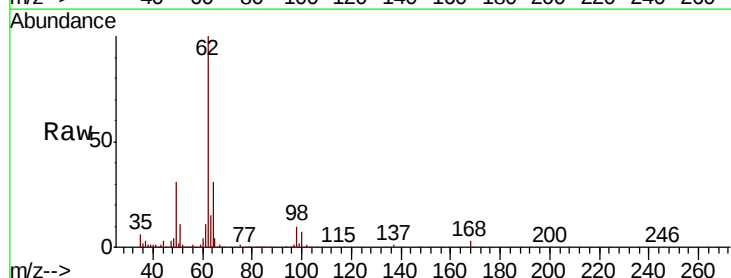
RT: 4.93 min Scan# 436

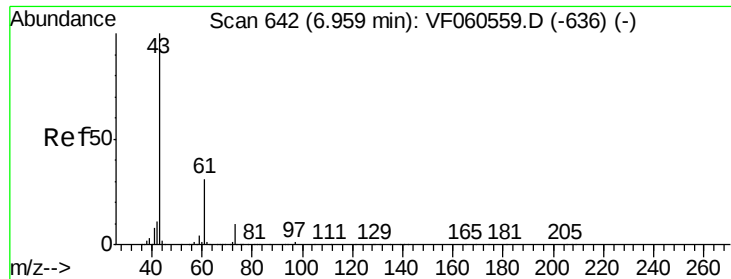
Delta R.T. -0.01 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	22.4	





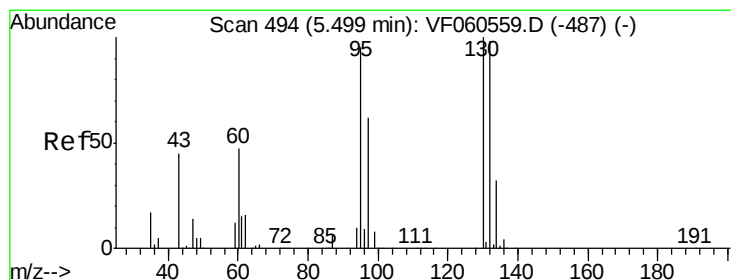
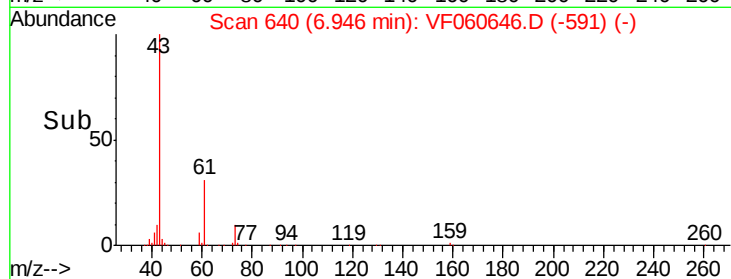
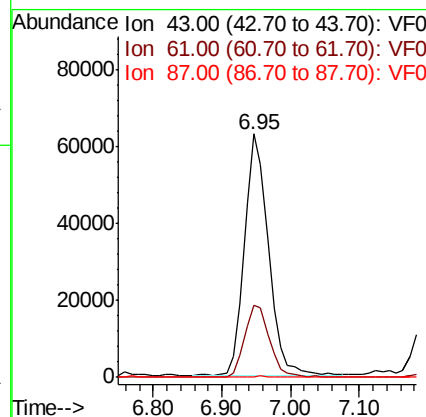
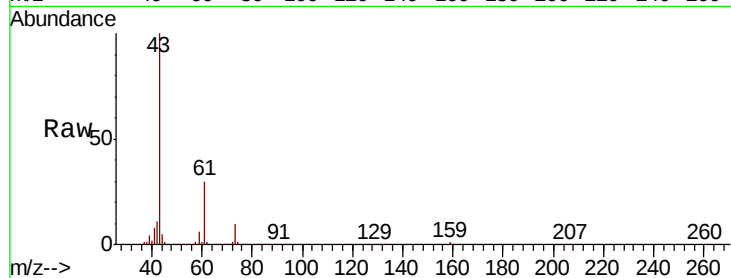
#43
Isopropyl Acetate
Concen: 47.398 ug/l
RT: 6.95 min Scan# 640
Delta R.T. -0.01 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.6	24.2	36.2
87	0.4	0.2	0.4

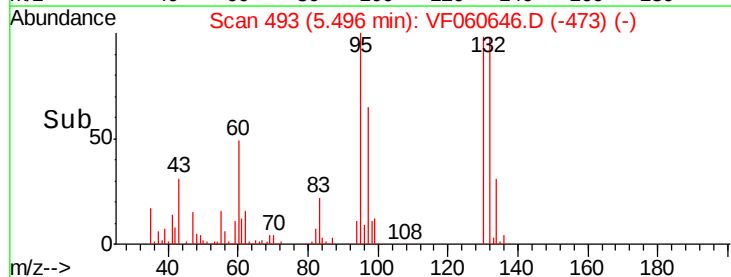
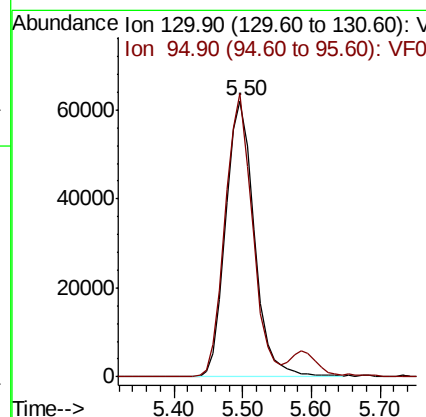
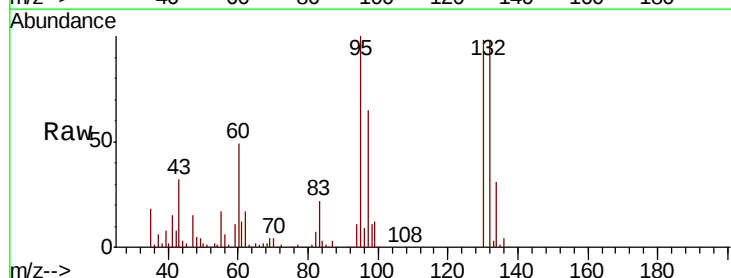
Manual Integrations
APPROVED

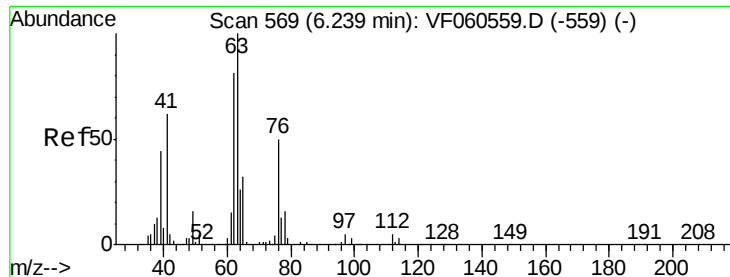
apatel
11/9/2018 3:31:41 PM



#44
Trichloroethene
Concen: 46.263 ug/l
RT: 5.50 min Scan# 493
Delta R.T. -0.00 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	191.0





#45

1,2-Dichloropropane

Concen: 50.108 ug/l

RT: 6.23 min Scan# 567

Delta R.T. -0.01 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 165021

Ion Ratio Lower Upper

63 100

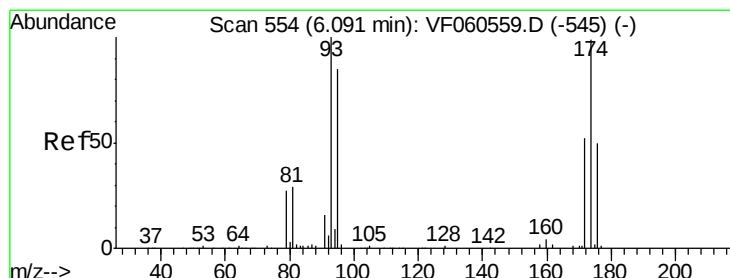
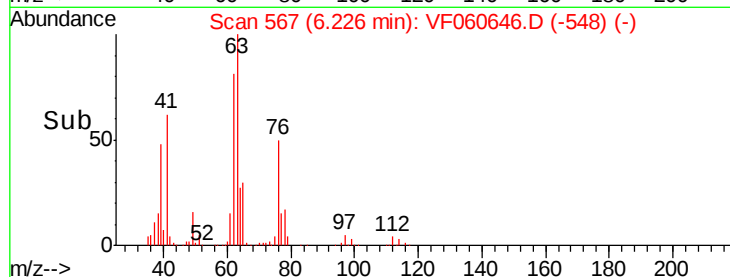
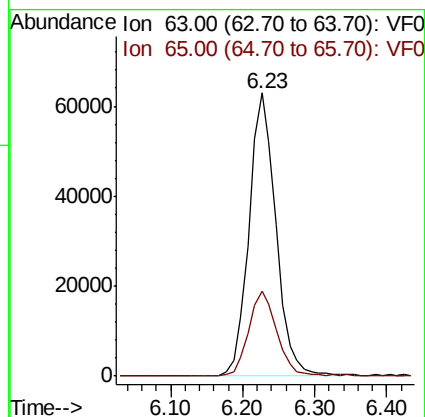
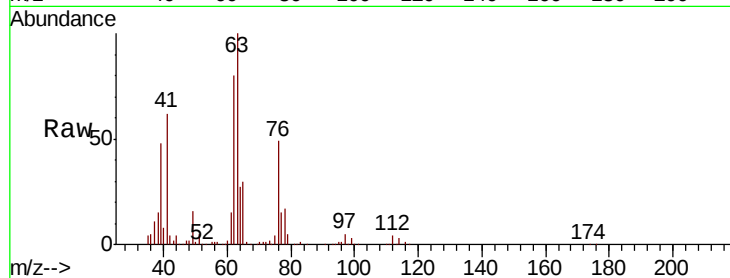
65 30.0 25.4 38.0

Manual Integrations

APPROVED

apatel

11/9/2018 3:31:41 PM



#46

Dibromomethane

Concen: 50.019 ug/l

RT: 6.08 min Scan# 552

Delta R.T. -0.01 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

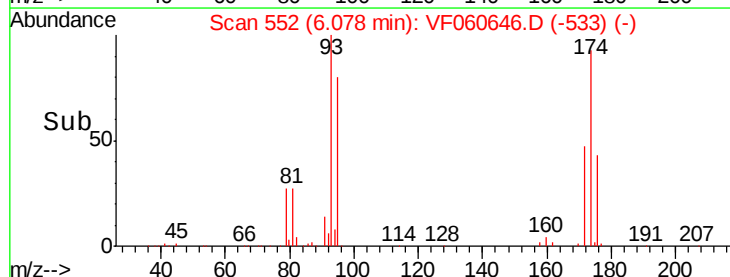
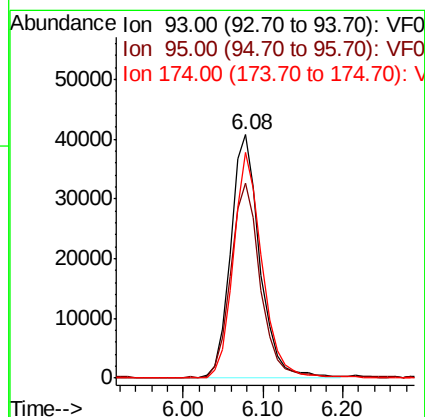
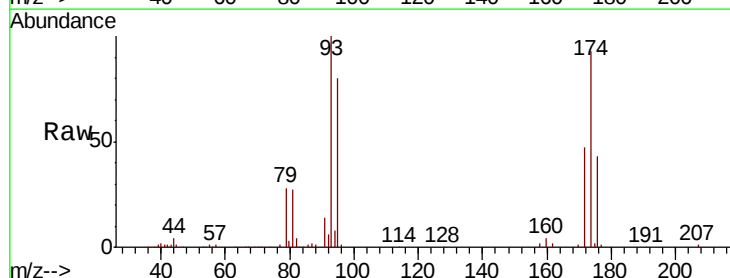
Tgt Ion: 93 Resp: 104505

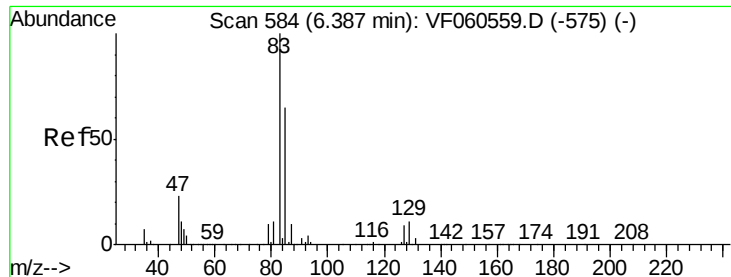
Ion Ratio Lower Upper

93 100

95 80.1 68.6 102.8

174 93.0 79.0 118.4





#47

Bromodichloromethane

Concen: 50.435 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.01 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Instrument :

MSVOA_F

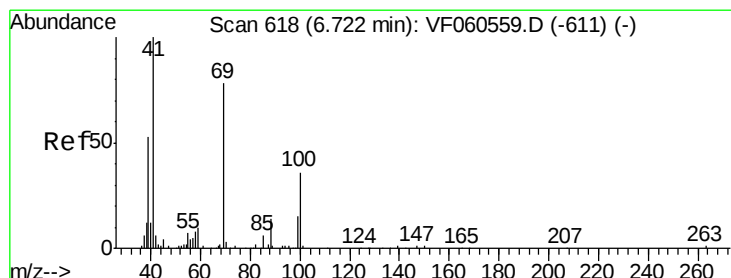
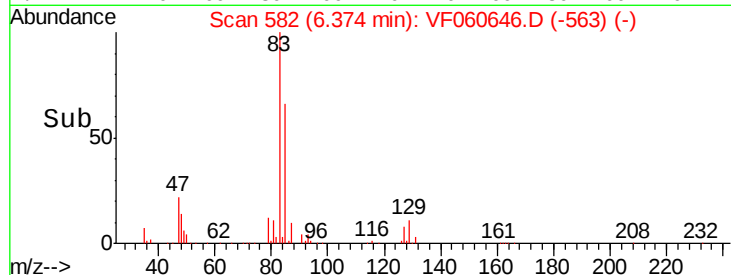
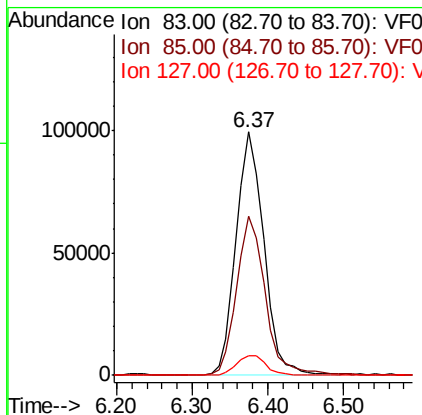
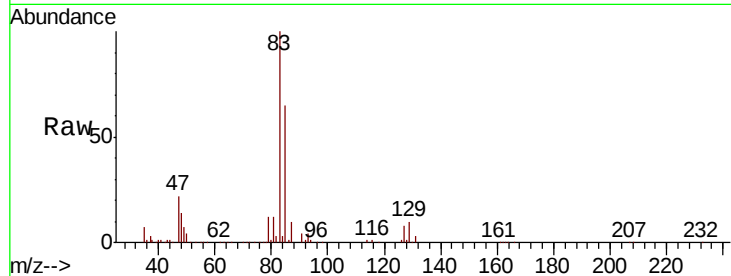
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	254161
Ion Ratio	Lower	Upper	
83	100		
85	65.5	51.8	77.6
127	7.9	7.0	10.4

Manual Integrations
APPROVED

apatel
11/9/2018 3:31:41 PM



#48

Methyl methacrylate

Concen: 48.131 ug/l

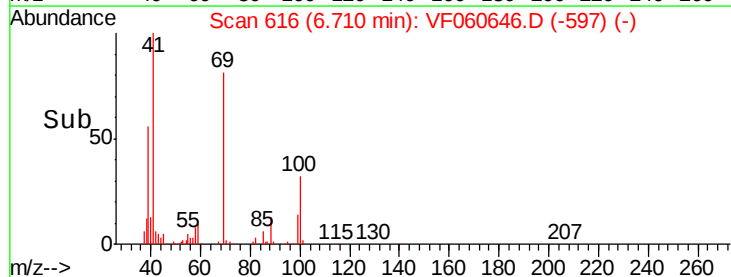
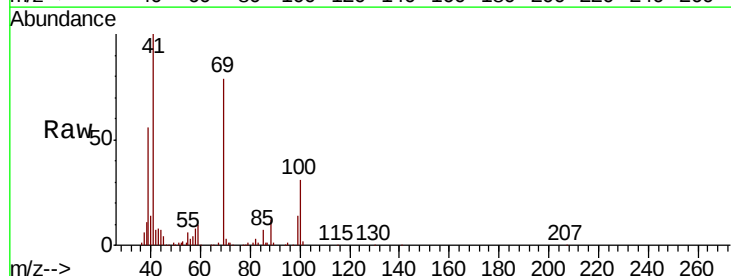
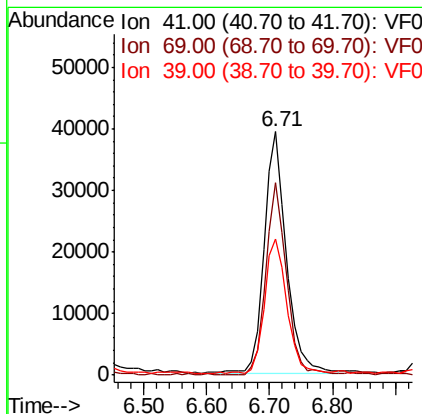
RT: 6.71 min Scan# 616

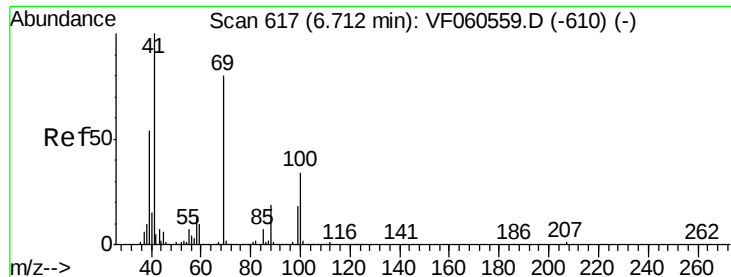
Delta R.T. -0.01 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Tgt Ion:	41	Resp:	97440
Ion Ratio	Lower	Upper	
41	100		
69	78.9	61.1	91.7
39	55.8	43.0	64.6





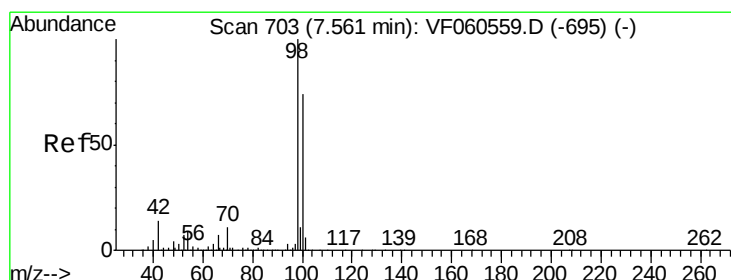
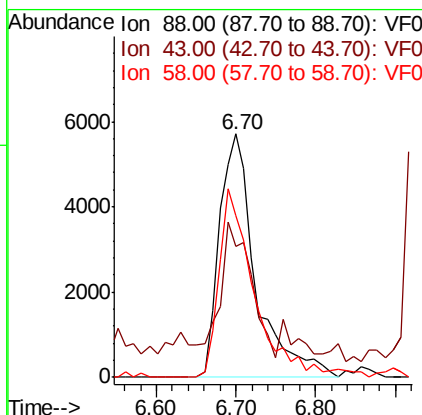
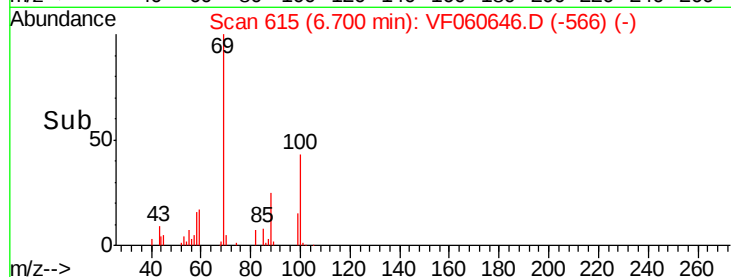
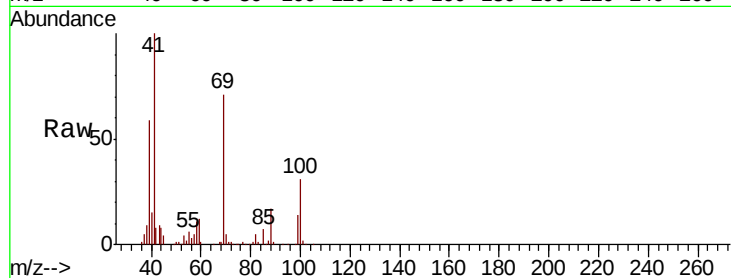
#49
1,4-Dioxane
Concen: 862.460 ug/l
RT: 6.70 min Scan# 615
Delta R.T. -0.01 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	18265		
43	53.8	61.2	91.8#	
58	66.5	56.9	85.3	

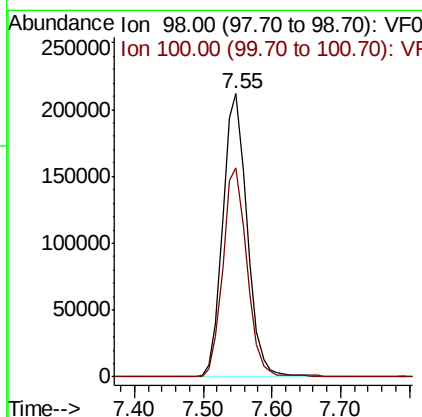
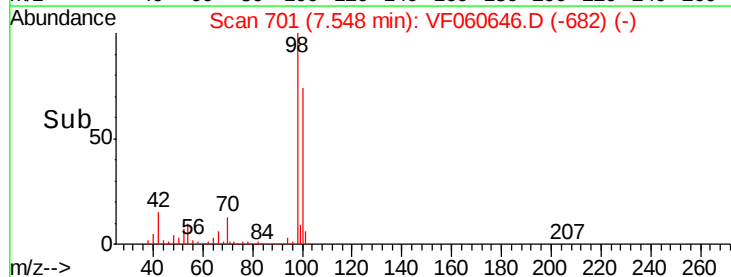
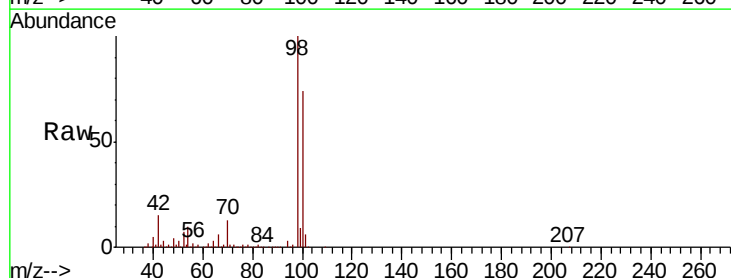
Manual Integrations
APPROVED

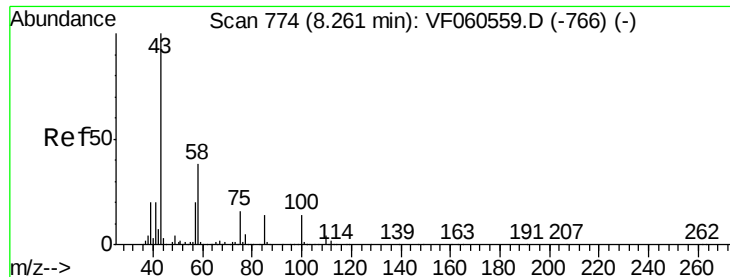
apatel
11/9/2018 3:31:41 PM



#50
Toluene-d8
Concen: 47.204 ug/l
RT: 7.55 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	520507		
100	74.0	59.4	89.2	





#51

4-Methyl-2-Pentanone

Concen: 229.723 ug/l

RT: 8.25 min Scan# 772

Delta R.T. -0.01 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 497608

Ion Ratio Lower Upper

43 100

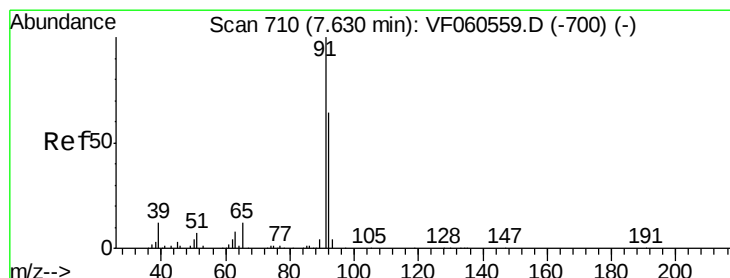
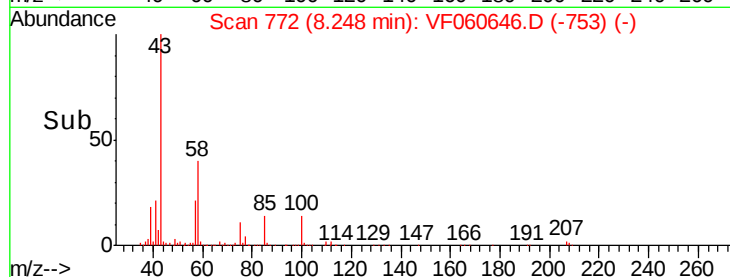
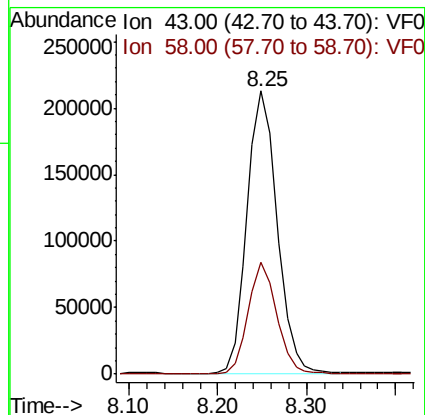
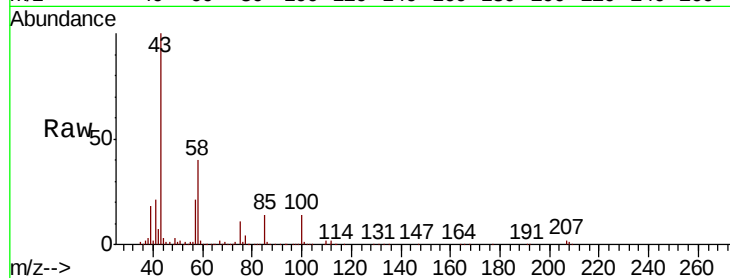
58 39.7 30.1 45.1

Manual Integrations

APPROVED

apatel

11/9/2018 3:31:41 PM



#52

Toluene

Concen: 47.354 ug/l

RT: 7.62 min Scan# 708

Delta R.T. -0.01 min

Lab File: VF060646.D

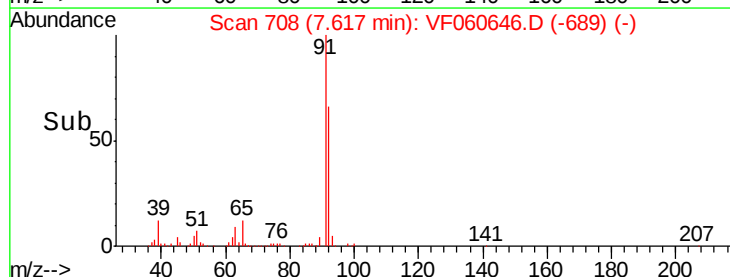
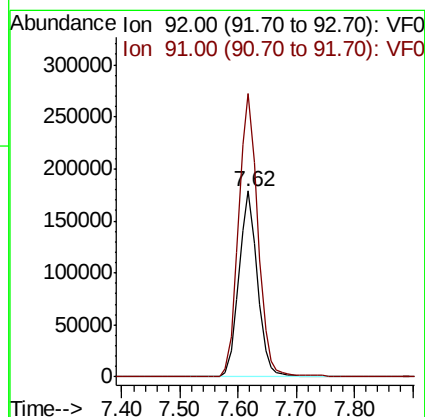
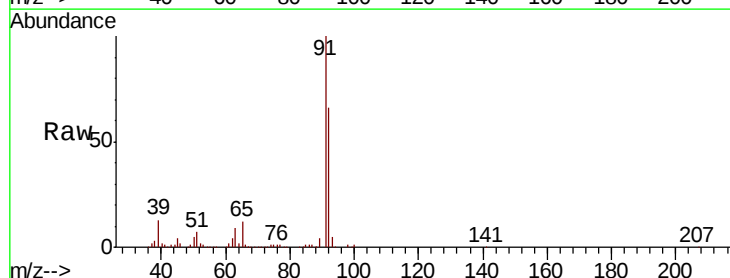
Acq: 8 Nov 2018 12:05

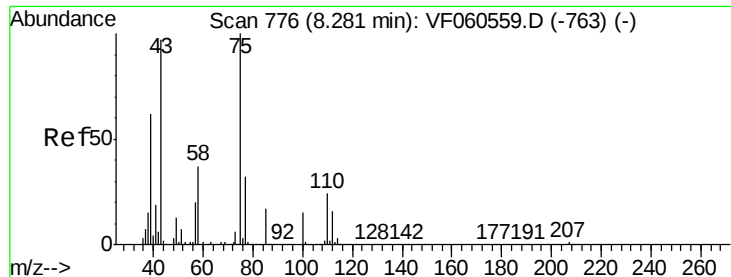
Tgt Ion: 92 Resp: 397212

Ion Ratio Lower Upper

92 100

91 152.3 124.5 186.7





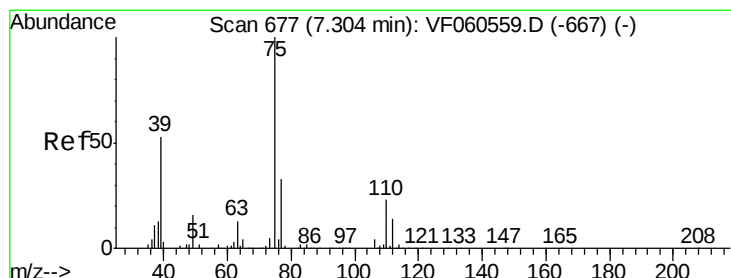
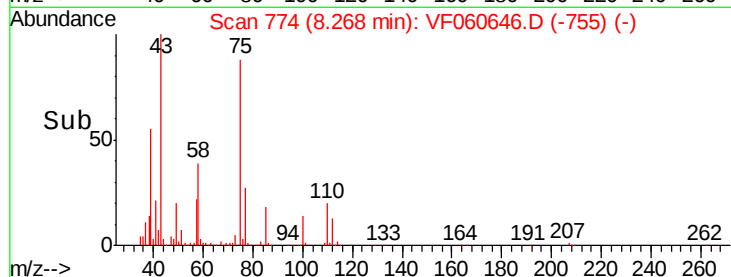
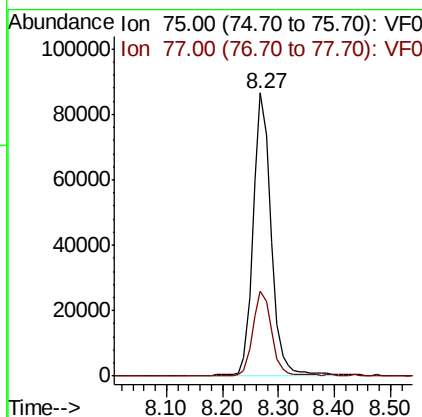
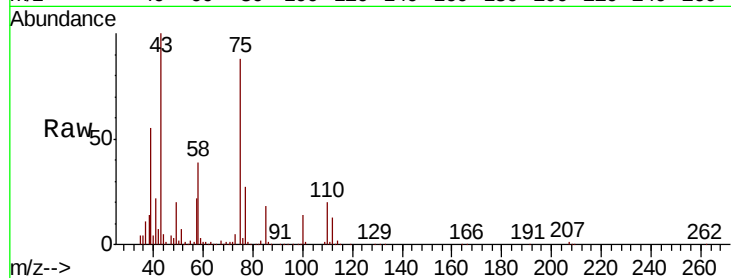
#53
 t-1,3-Dichloropropene
 Concen: 44.202 ug/l
 RT: 8.27 min Scan# 774
 Delta R.T. -0.01 min
 Lab File: VF060646.D
 Acq: 8 Nov 2018 12:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.7	38.5

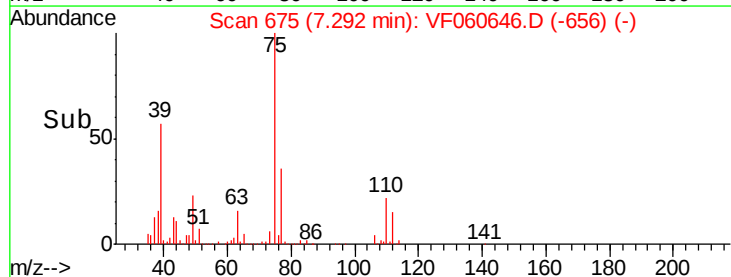
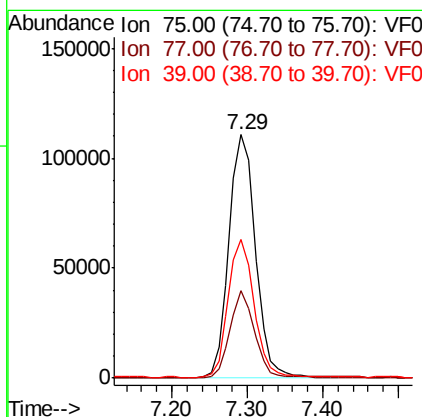
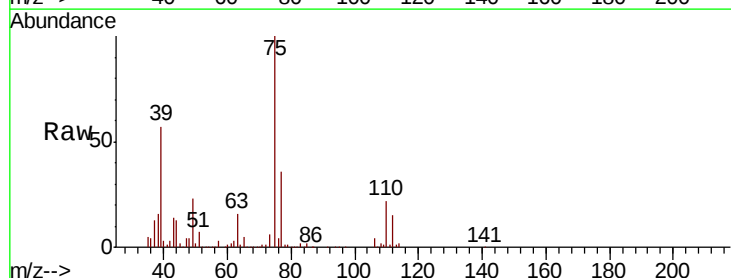
Manual Integrations
 APPROVED

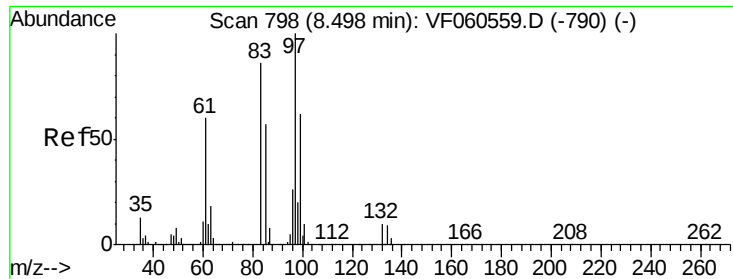
apatel
 11/9/2018 3:31:41 PM



#54
 cis-1,3-Dichloropropene
 Concen: 48.952 ug/l
 RT: 7.29 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: VF060646.D
 Acq: 8 Nov 2018 12:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	36.1	26.7	40.1
39	57.1	43.0	64.4





#55

1,1,2-Trichloroethane

Concen: 46.610 ug/l

RT: 8.49 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Instrument :

MSVOA_F

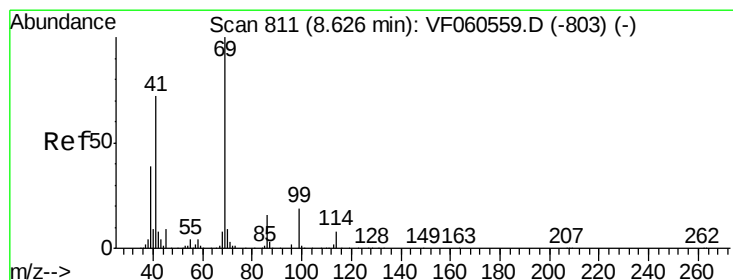
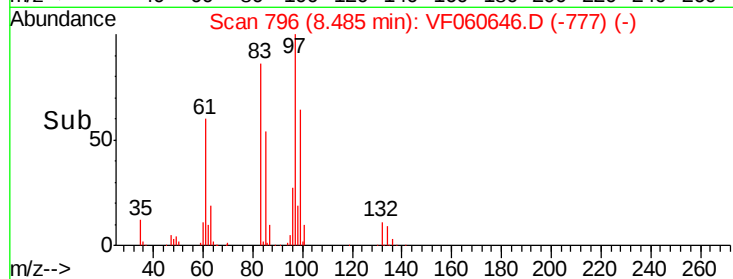
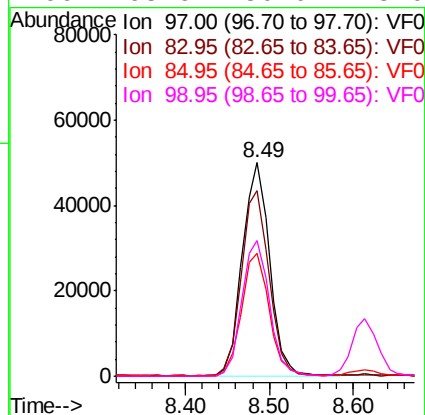
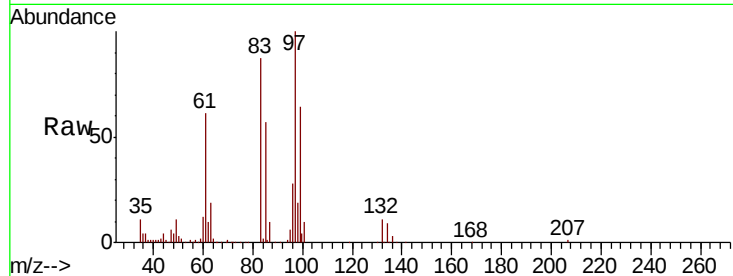
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	113771
Ion Ratio	Lower	Upper	
97	100		
83	86.9	69.4	104.0
85	57.3	46.6	69.8
99	63.6	50.0	75.0

Manual Integrations
APPROVED

apatel
11/9/2018 3:31:41 PM



#56

Ethyl methacrylate

Concen: 46.221 ug/l

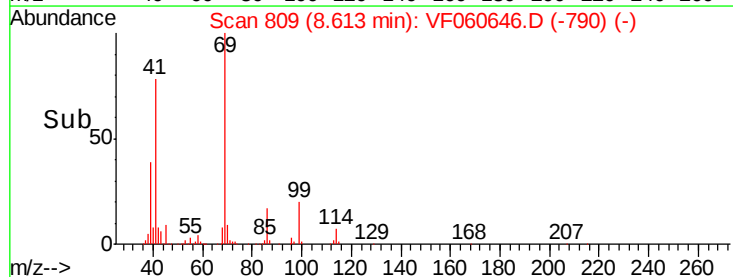
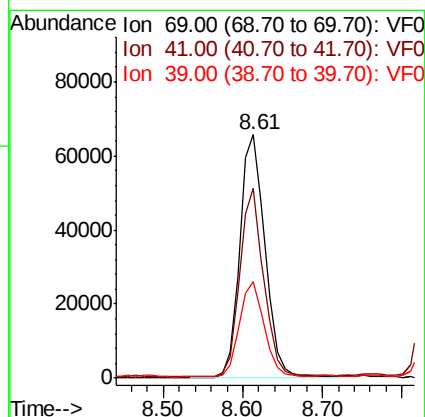
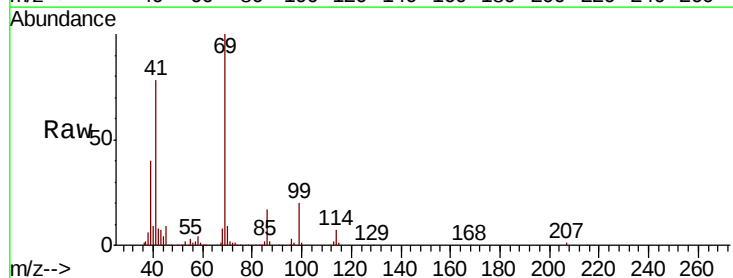
RT: 8.61 min Scan# 809

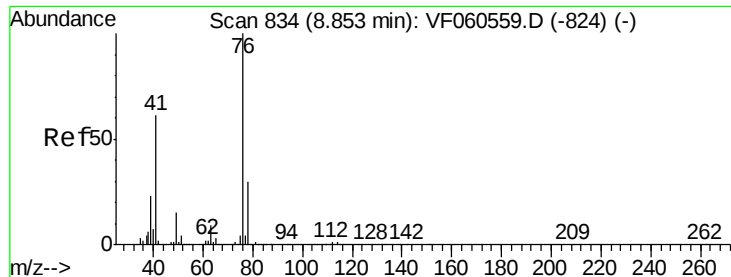
Delta R.T. -0.01 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Tgt Ion:	69	Resp:	145155
Ion Ratio	Lower	Upper	
69	100		
41	78.2	59.2	88.8
39	39.6	32.3	48.5





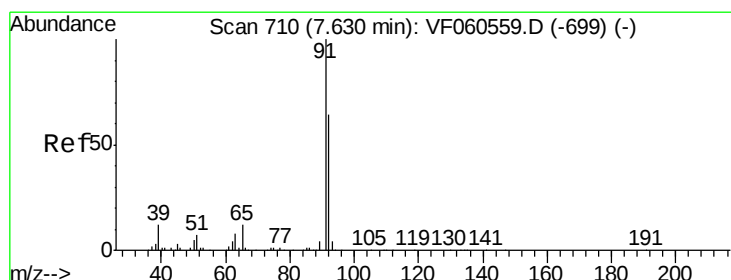
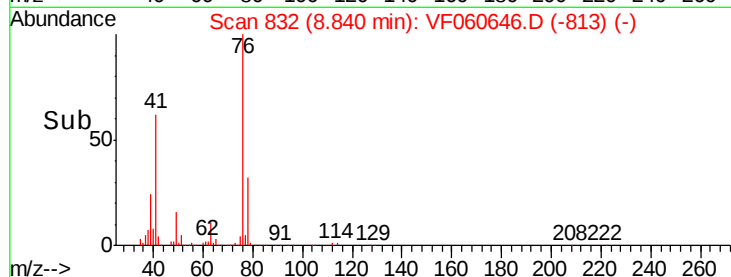
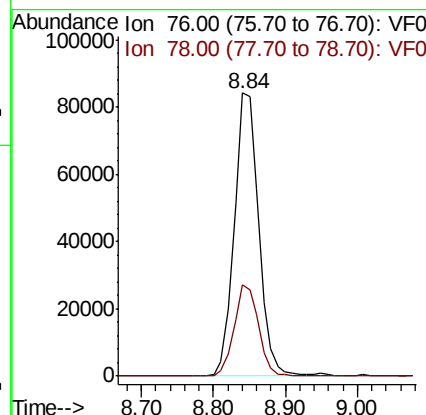
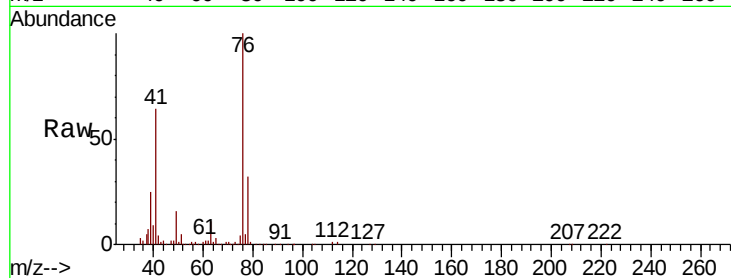
#57
 1,3-Dichloropropane
 Concen: 46.710 ug/l
 RT: 8.84 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: VF060646.D
 Acq: 8 Nov 2018 12:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	24.2	36.4

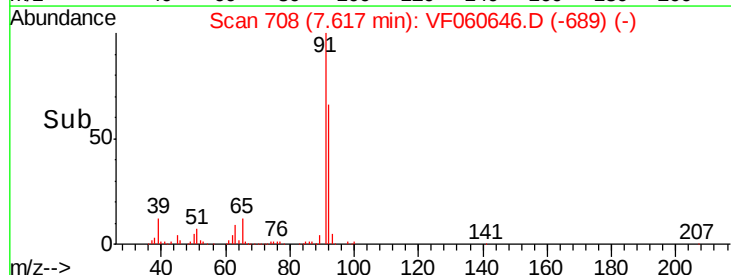
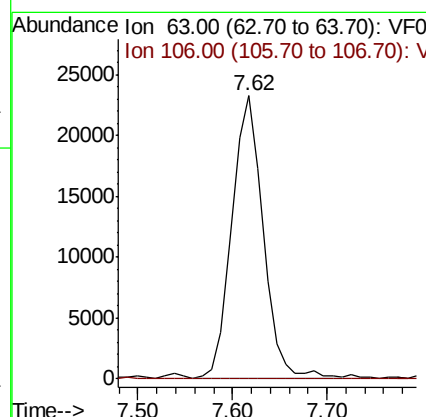
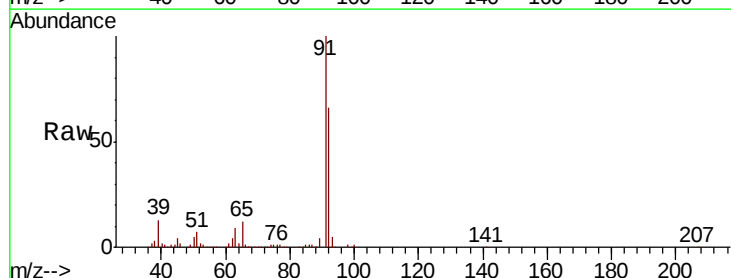
Manual Integrations
 APPROVED

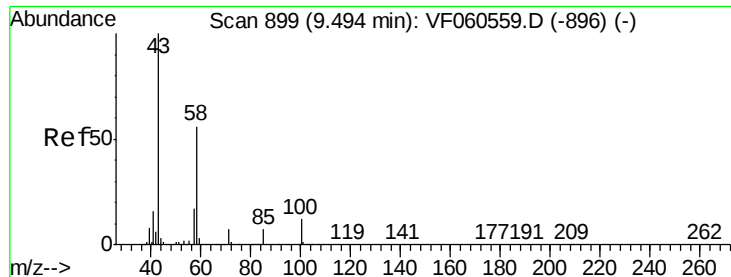
apatel
 11/9/2018 3:31:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 269.390 ug/l
 RT: 7.62 min Scan# 708
 Delta R.T. -0.01 min
 Lab File: VF060646.D
 Acq: 8 Nov 2018 12:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





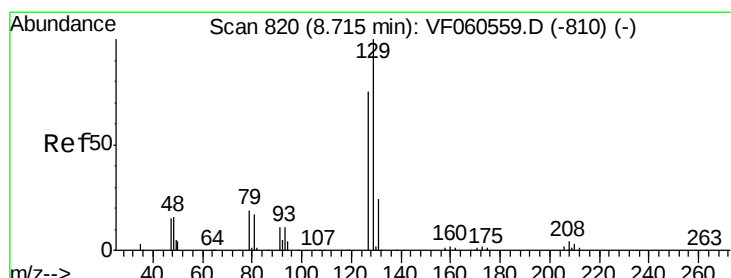
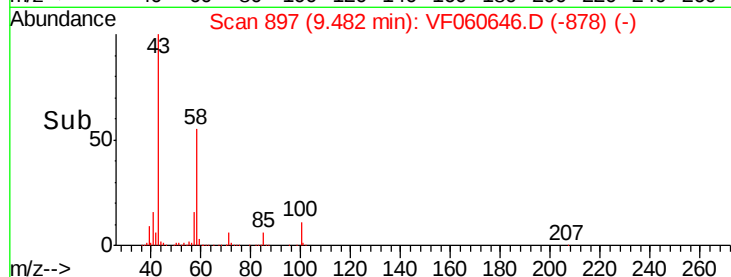
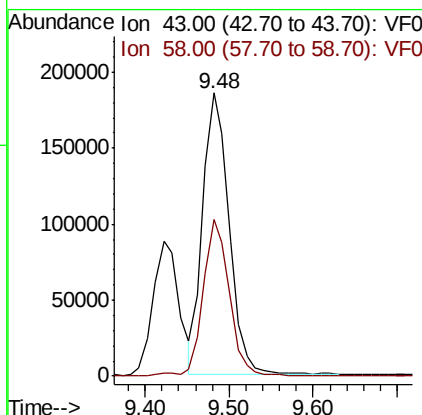
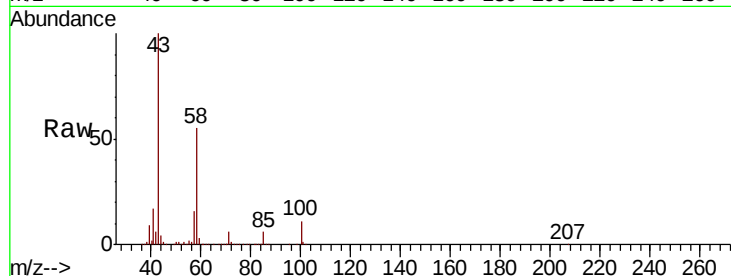
#59
2-Hexanone
Concen: 283.838 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.01 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 402140
Ion Ratio Lower Upper
43 100
58 55.2 26.1 78.3

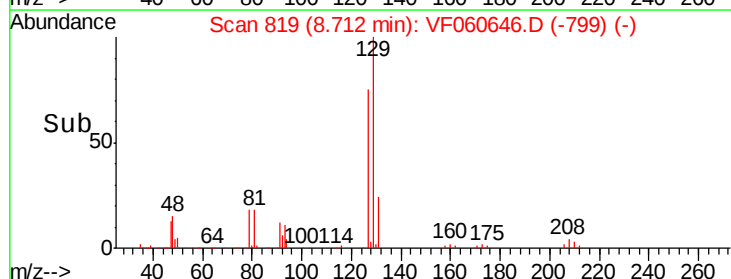
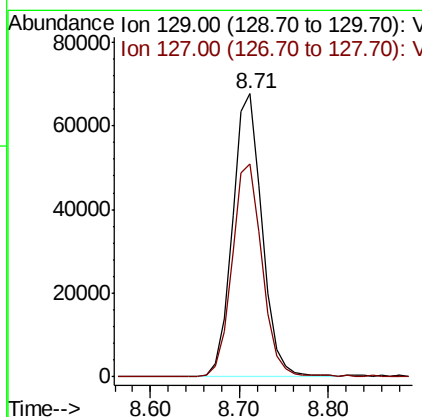
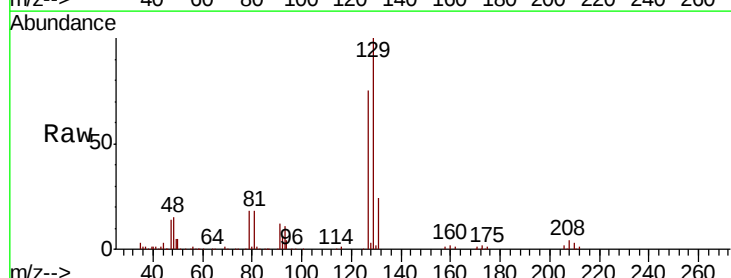
Manual Integrations
APPROVED

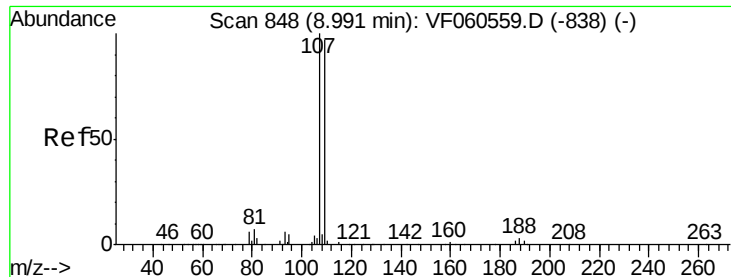
apatel
11/9/2018 3:31:41 PM



#60
Dibromochloromethane
Concen: 46.065 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.00 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Tgt Ion: 129 Resp: 157252
Ion Ratio Lower Upper
129 100
127 75.4 37.8 113.3





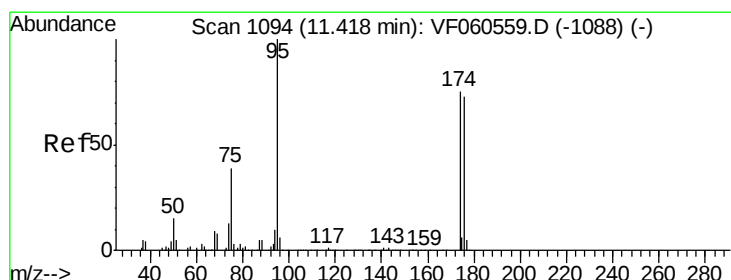
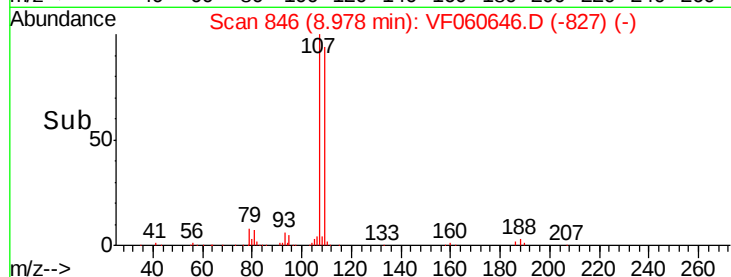
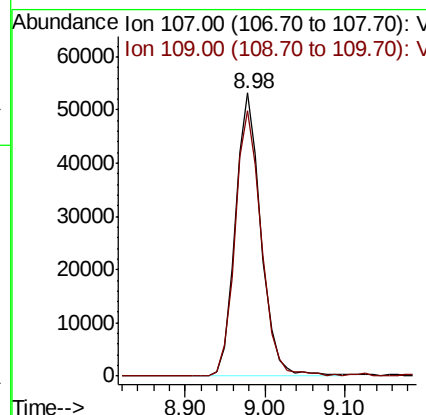
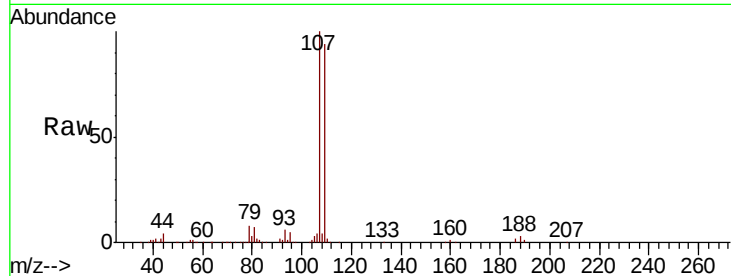
#61
 1,2-Dibromoethane
 Concen: 46.550 ug/l
 RT: 8.98 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VF060646.D
 Acq: 8 Nov 2018 12:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	77.5	116.3

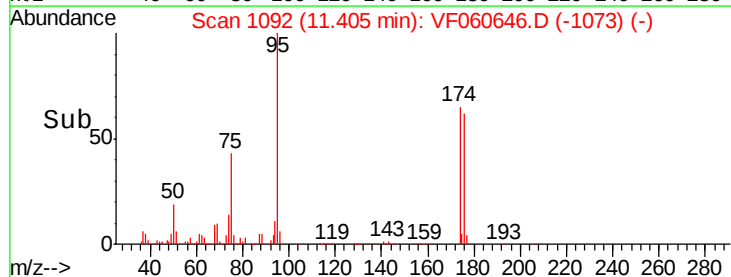
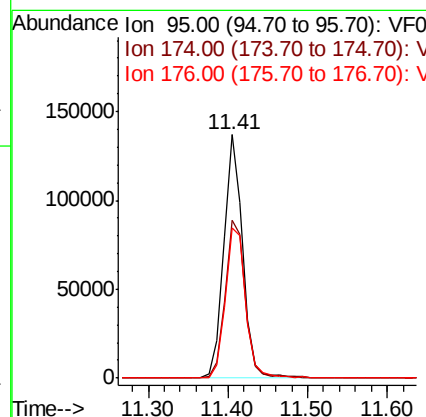
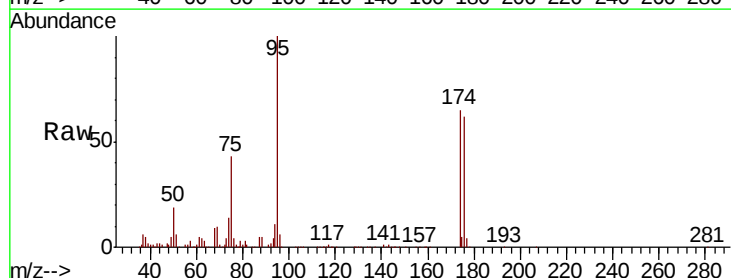
Manual Integrations
 APPROVED

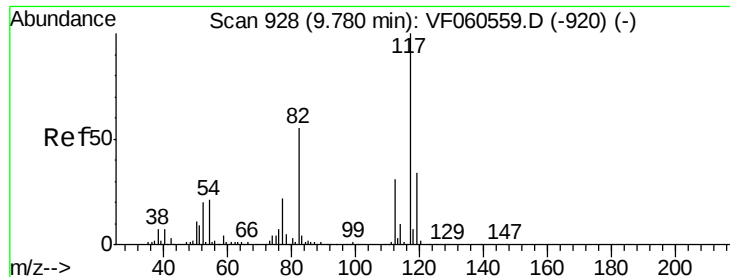
apatel
 11/9/2018 3:31:41 PM



#62
 4-Bromofluorobenzene
 Concen: 47.782 ug/l
 RT: 11.41 min Scan# 1092
 Delta R.T. -0.01 min
 Lab File: VF060646.D
 Acq: 8 Nov 2018 12:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.9	0.0	149.0
176	61.6	0.0	145.6





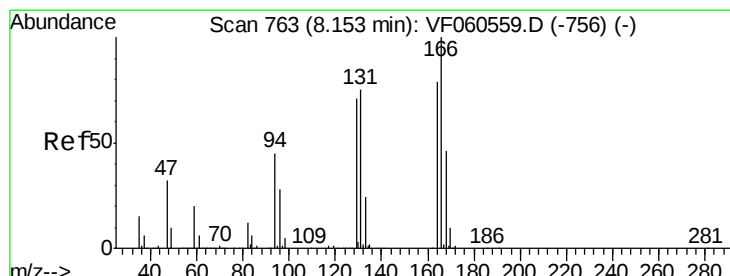
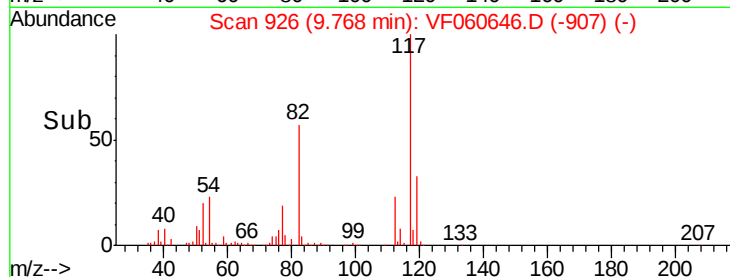
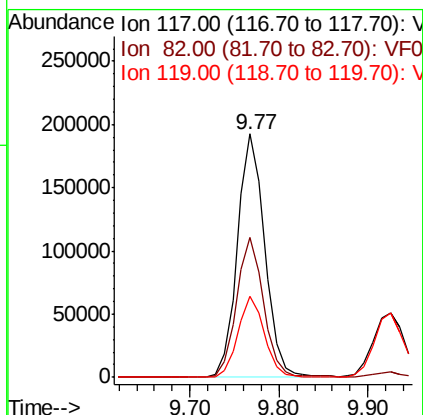
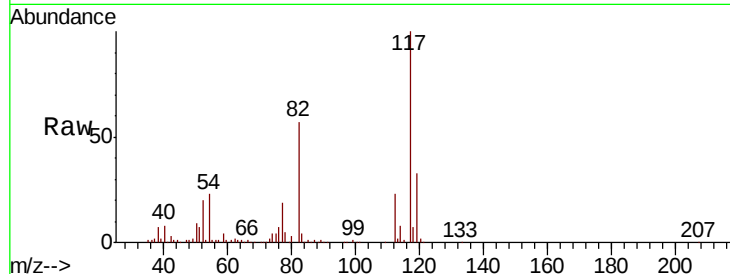
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 926
Delta R.T. -0.01 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	412697		
82	57.3		43.9	65.9
119	33.5		27.4	41.0

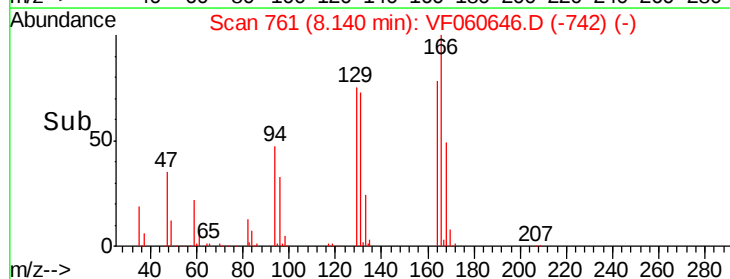
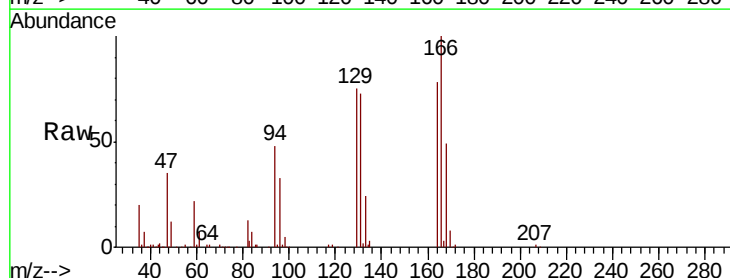
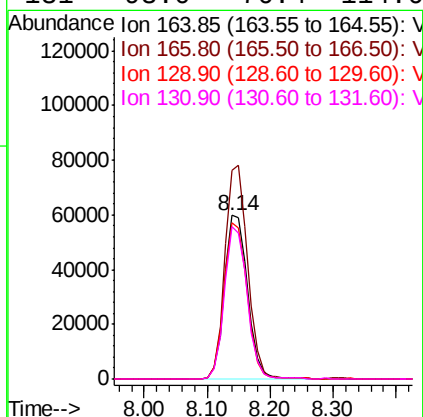
Manual Integrations
APPROVED

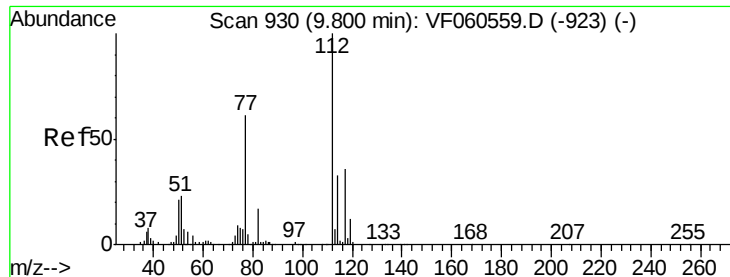
apatel
11/9/2018 3:31:41 PM



#64
Tetrachloroethene
Concen: 47.120 ug/l
RT: 8.14 min Scan# 761
Delta R.T. -0.01 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	152402		
166	127.7		101.5	152.3
129	95.8		72.5	108.7
131	93.0		76.4	114.6





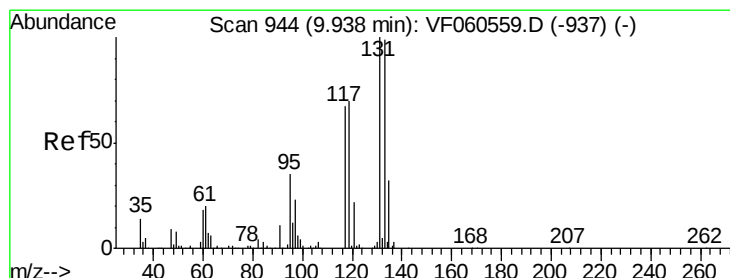
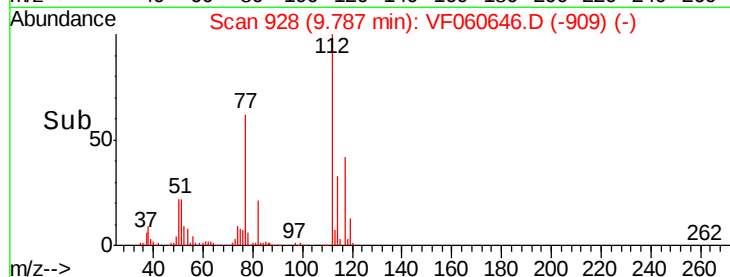
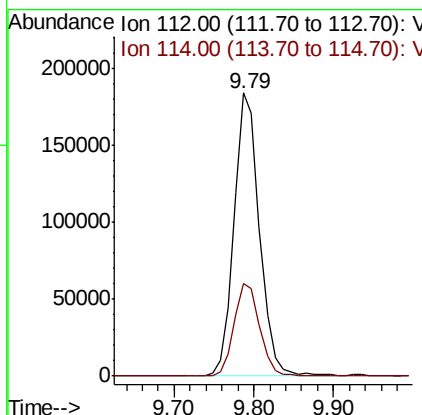
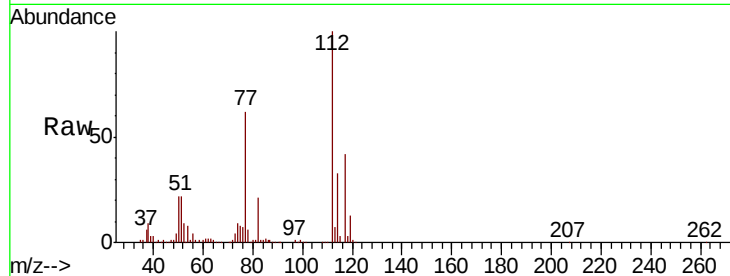
#65
Chlorobenzene
Concen: 48.674 ug/l
RT: 9.79 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 410788
Ion Ratio Lower Upper
112 100
114 32.8 26.6 40.0

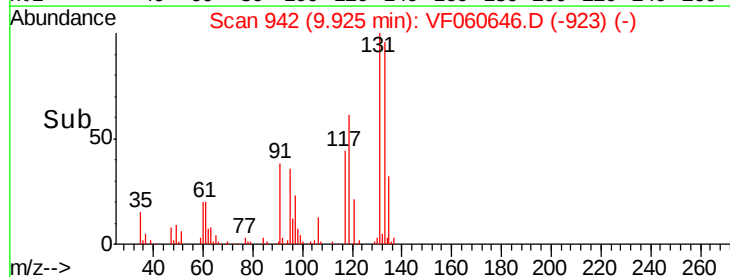
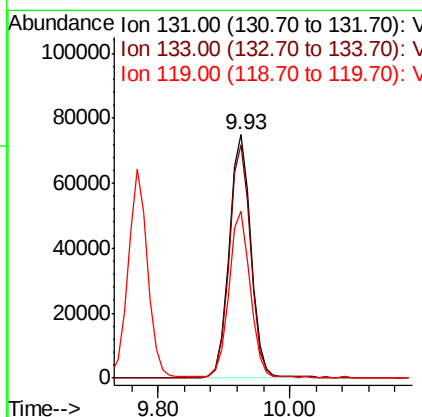
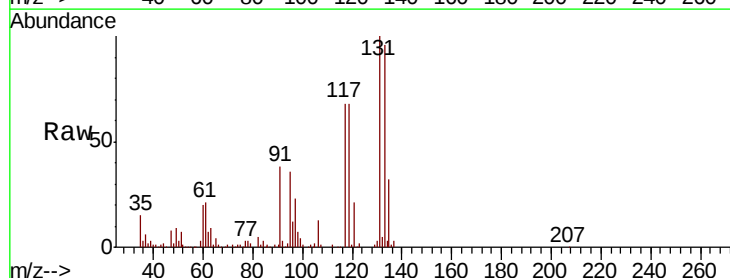
Manual Integrations
APPROVED

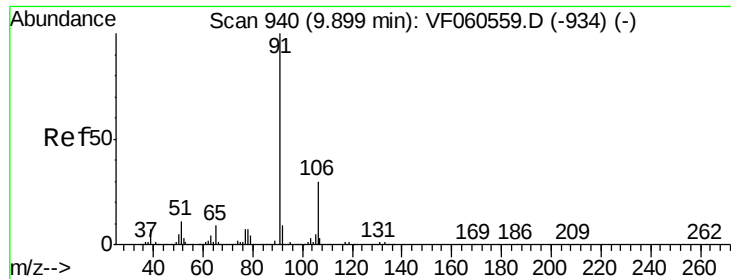
apatel
11/9/2018 3:31:41 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.766 ug/l
RT: 9.93 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Tgt Ion:131 Resp: 173903
Ion Ratio Lower Upper
131 100
133 96.0 49.5 148.7
119 68.3 35.2 105.6





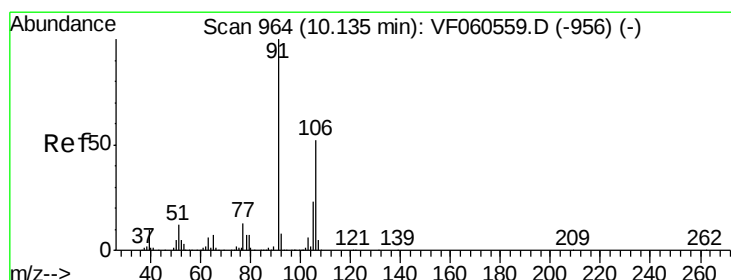
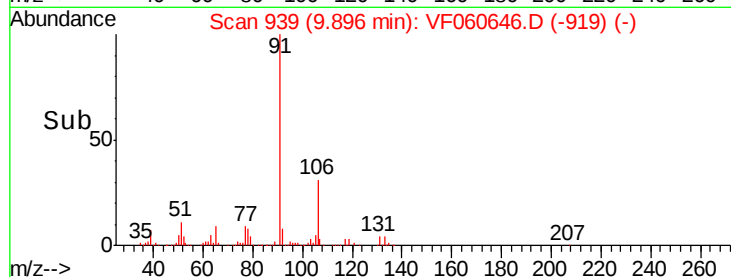
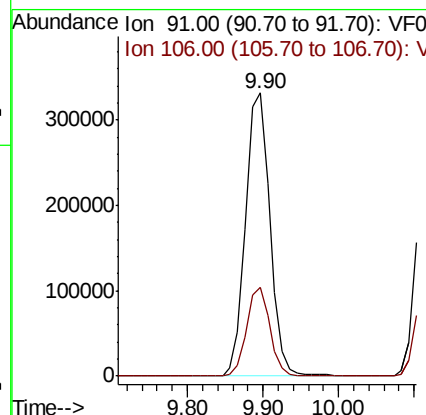
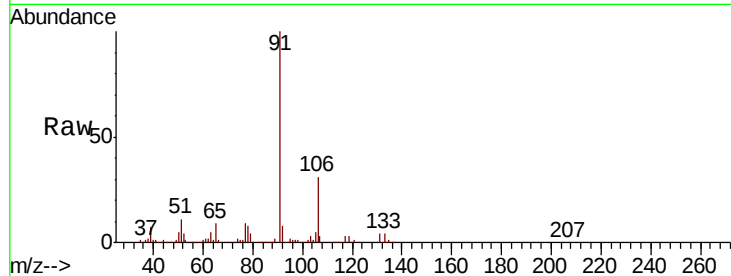
#67
Ethyl Benzene
Concen: 48.597 ug/l
RT: 9.90 min Scan# 939
Delta R.T. -0.00 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 744274
Ion Ratio Lower Upper
91 100
106 31.4 24.2 36.4

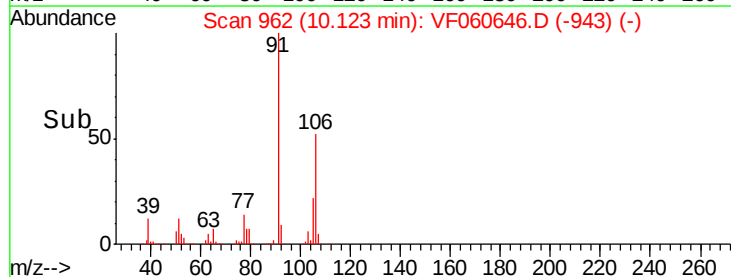
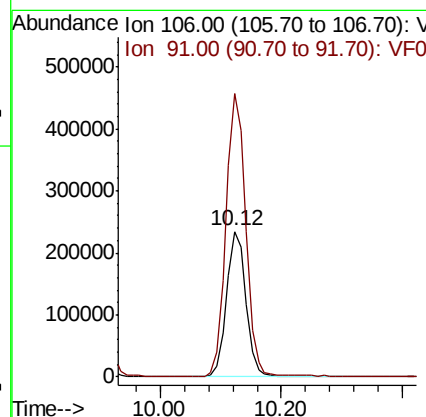
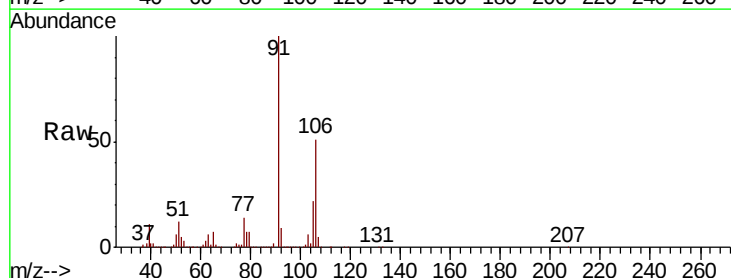
Manual Integrations
APPROVED

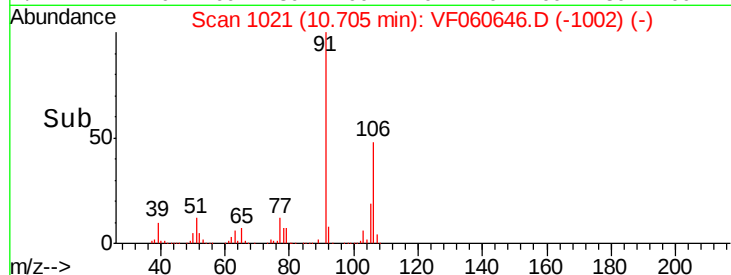
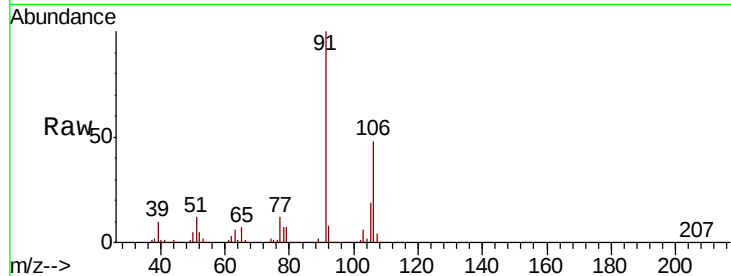
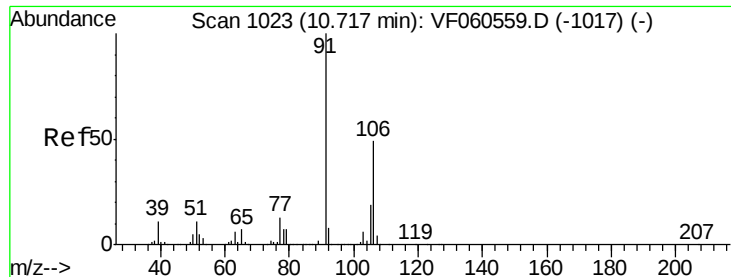
apatel
11/9/2018 3:31:41 PM



#68
m/p-Xylenes
Concen: 90.758 ug/l
RT: 10.12 min Scan# 962
Delta R.T. -0.01 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Tgt Ion: 106 Resp: 523589
Ion Ratio Lower Upper
106 100
91 194.3 153.9 230.9





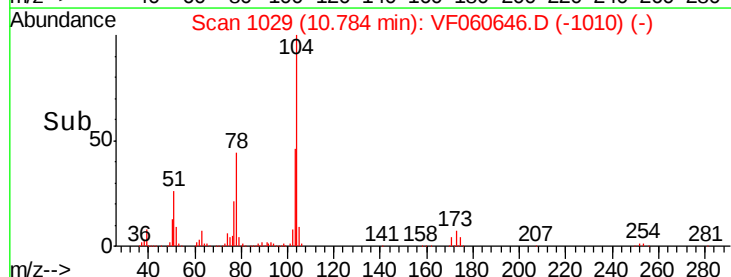
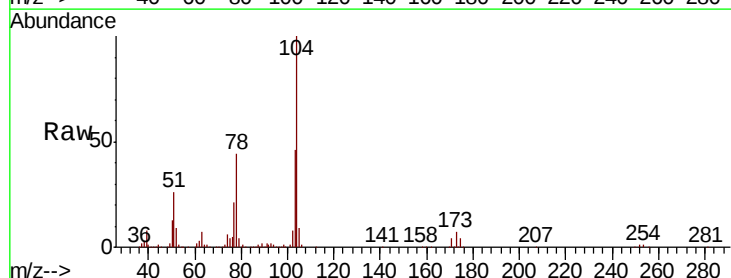
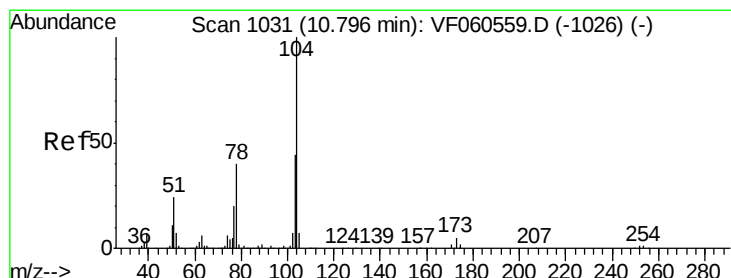
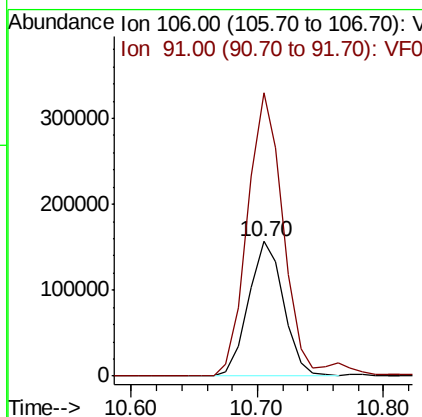
#69
o-Xylene
Concen: 48.088 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.01 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Tot Ion	Ratio	Resp	Lower	Upper
106	100	302929		
91	210.0	101.8	305.3	

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

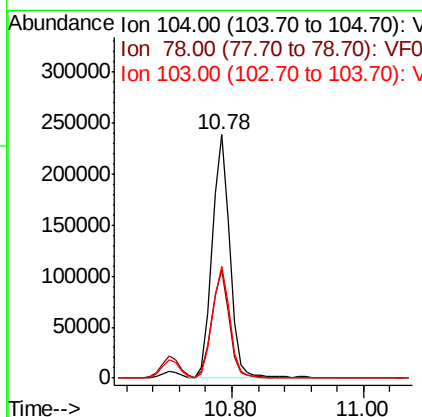
Manual Integrations
APPROVED

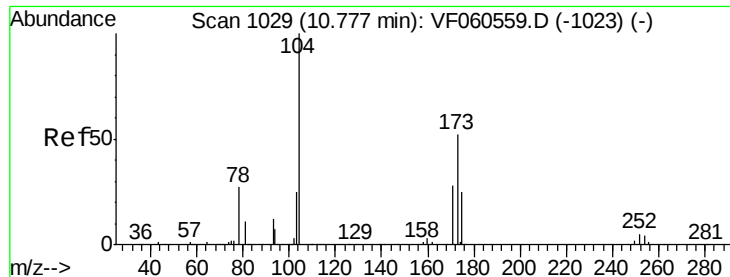
apatel
11/9/2018 3:31:41 PM



#70
Styrene
Concen: 47.571 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	434146		
78	44.5	32.6	49.0	
103	46.1	35.2	52.8	





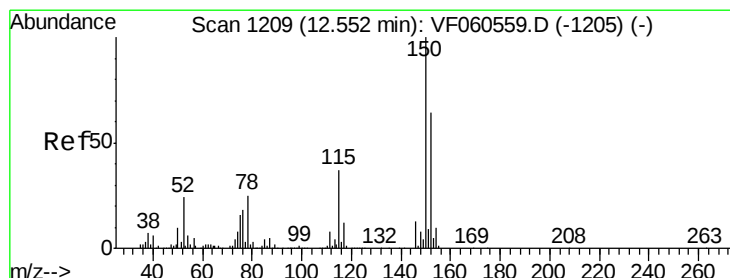
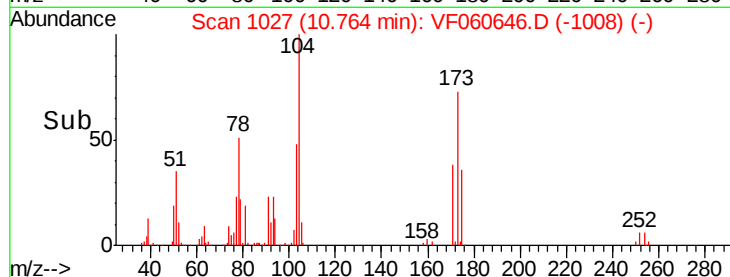
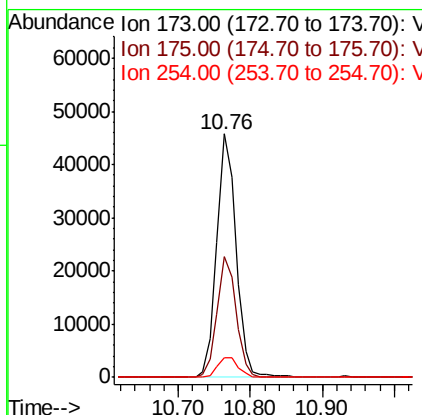
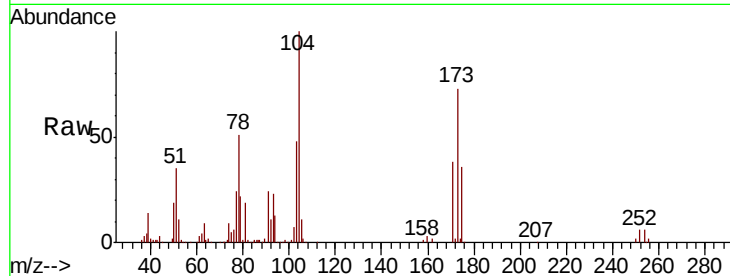
#71
Bromoform
Concen: 46.155 ug/l
RT: 10.76 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.3	72.9
254	8.3	6.7	10.1

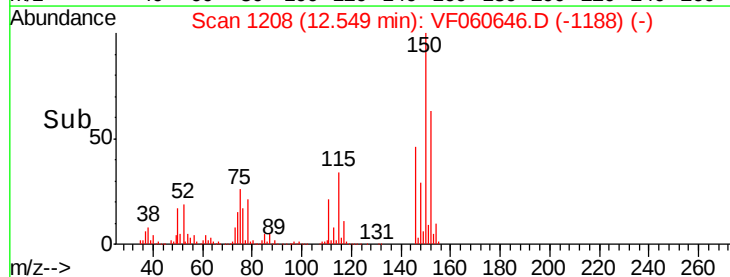
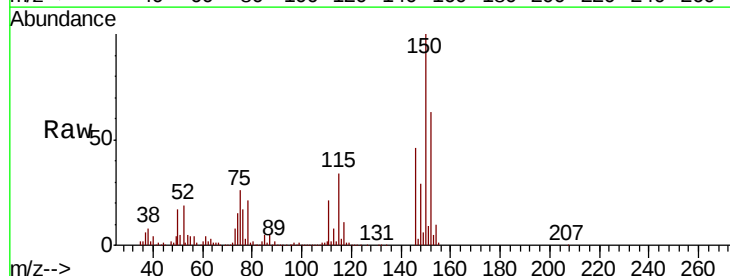
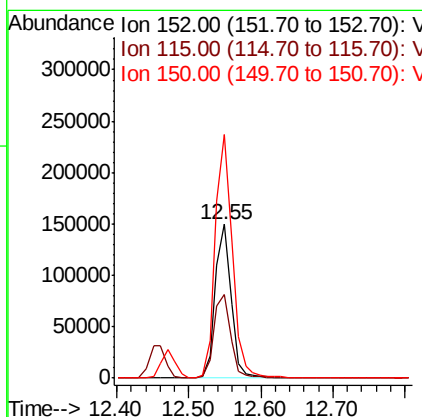
Manual Integrations
APPROVED

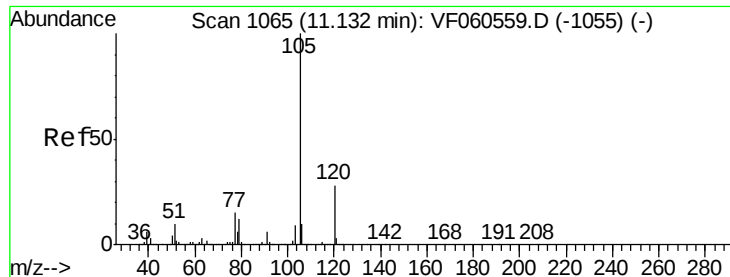
apatel
11/9/2018 3:31:41 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	29.6	88.8
150	158.3	0.0	315.6





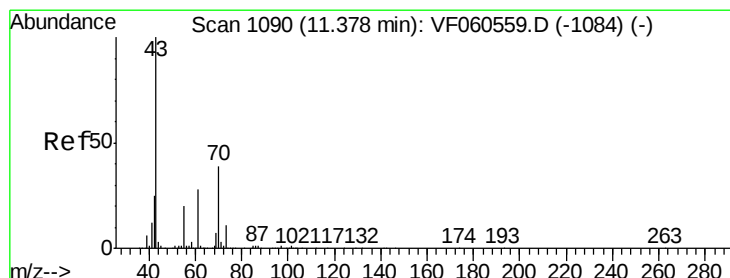
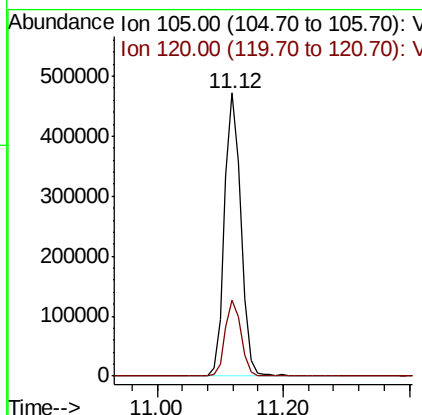
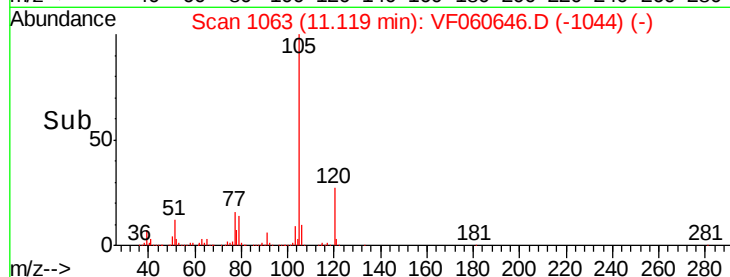
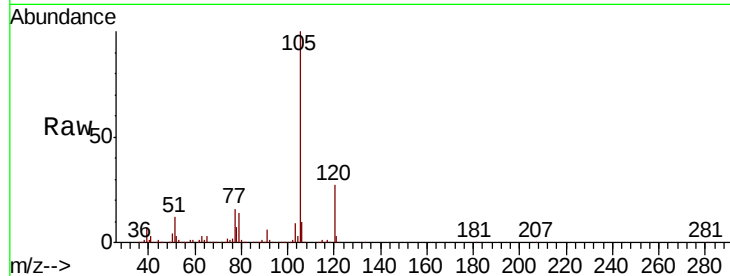
#73
Isopropylbenzene
Concen: 48.591 ug/l
RT: 11.12 min Scan# 1063
Delta R.T. -0.01 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.9	41.6

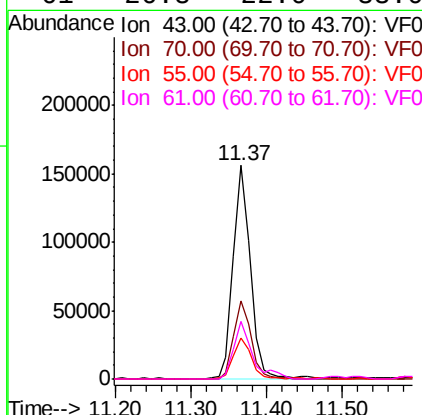
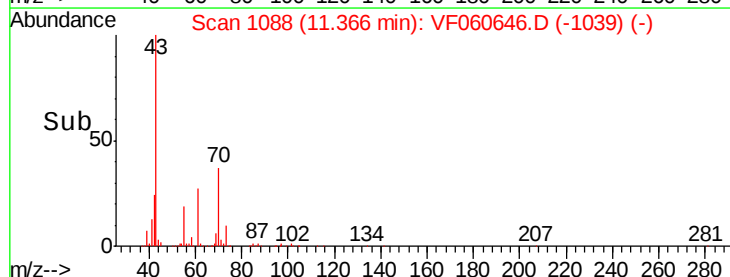
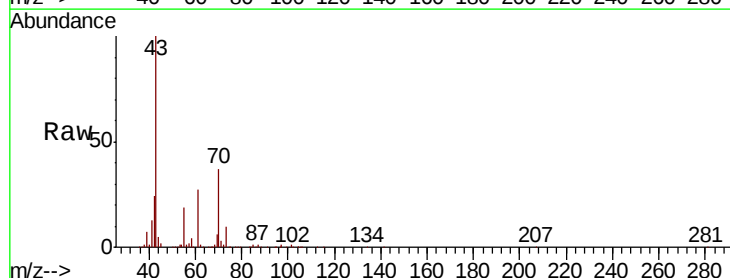
Manual Integrations
APPROVED

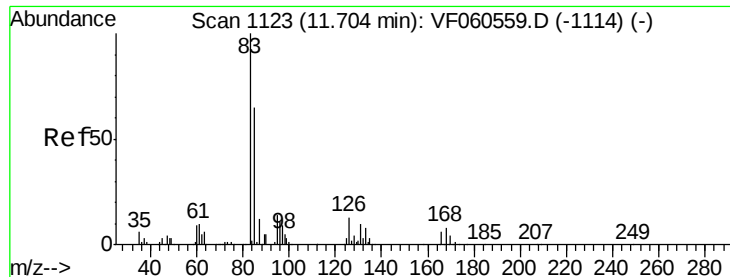
apatel
11/9/2018 3:31:41 PM



#74
N-ethyl acetate
Concen: 55.232 ug/l
RT: 11.37 min Scan# 1088
Delta R.T. -0.01 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.6	30.9	46.3
55	19.3	16.6	24.8
61	26.8	22.0	33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.734 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Instrument :

MSVOA_F

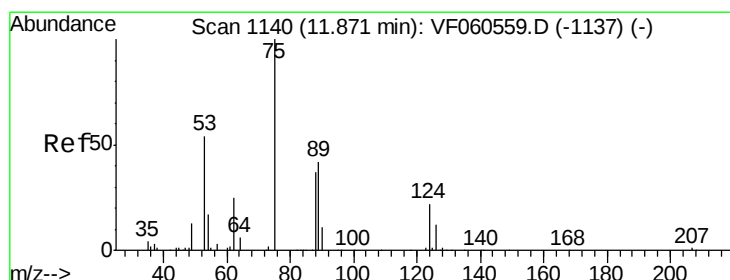
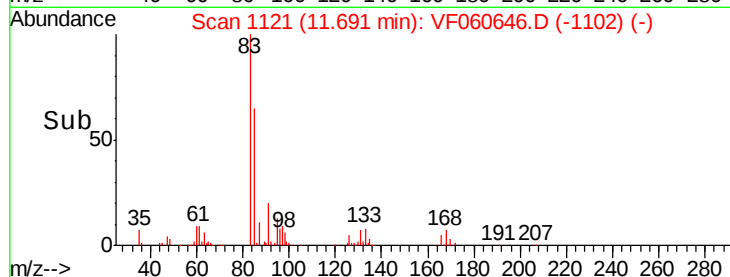
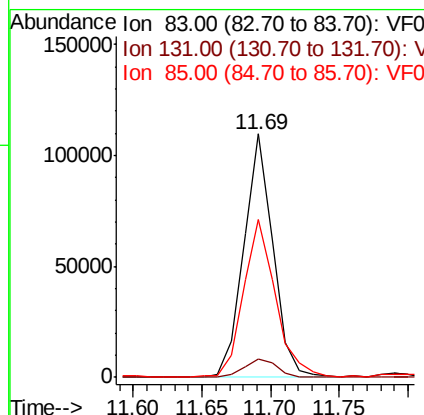
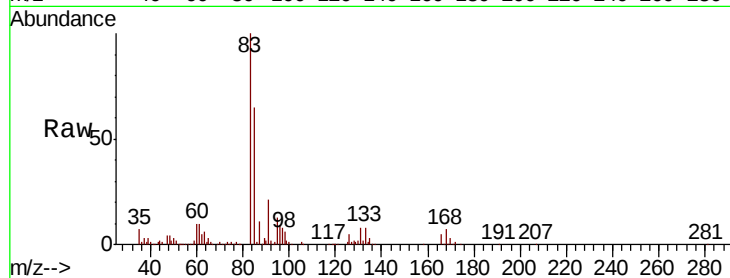
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	163362
Ion Ratio	Lower	Upper	
83	100		
131	7.7	5.0	14.9
85	65.0	32.9	98.7

Manual Integrations
APPROVED

apatel
11/9/2018 3:31:41 PM



#76

1,2,3-Trichloropropane

Concen: 46.699 ug/l

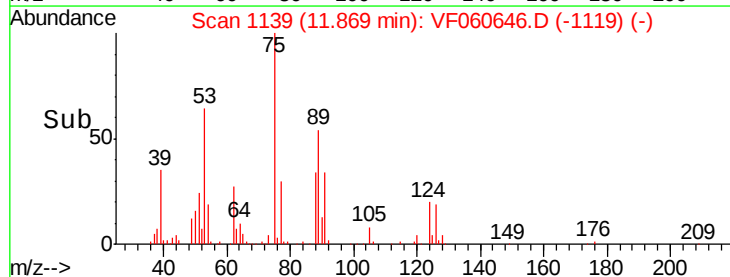
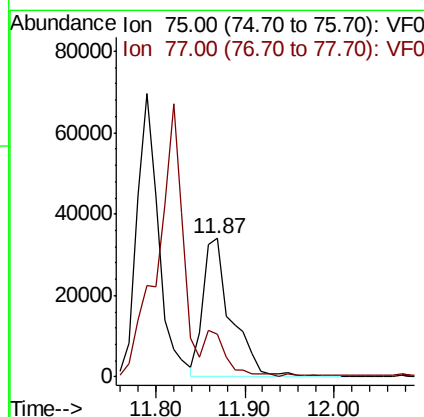
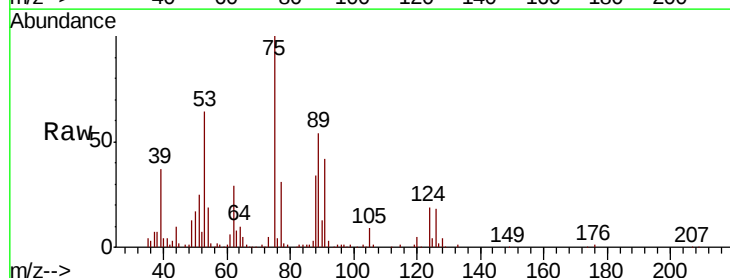
RT: 11.87 min Scan# 1139

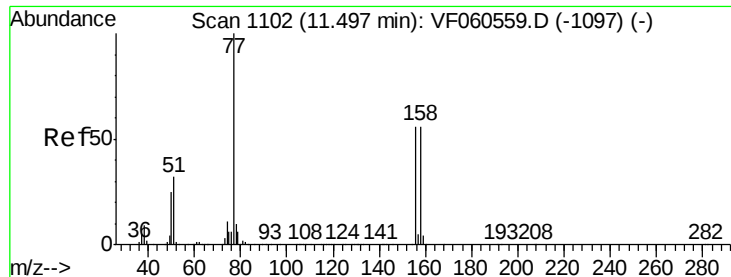
Delta R.T. -0.00 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Tgt Ion:	75	Resp:	73899
Ion Ratio	Lower	Upper	
75	100		
77	31.3	17.4	52.3





#77

Bromobenzene

Concen: 51.117 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Instrument :

MSVOA_F

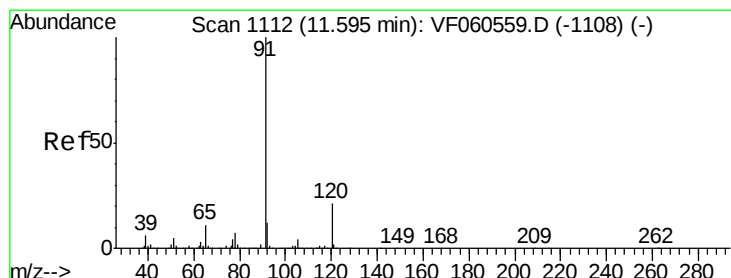
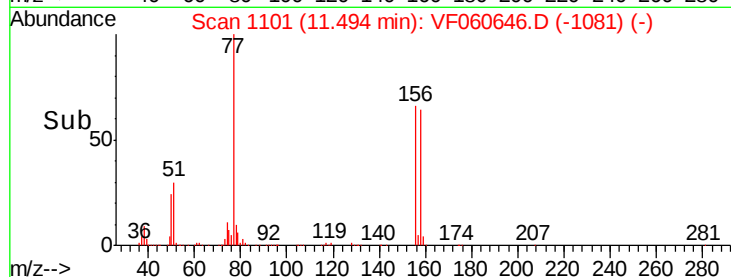
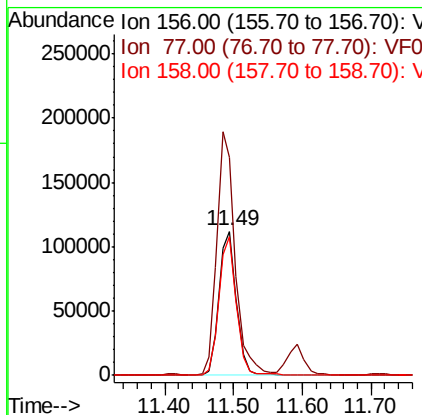
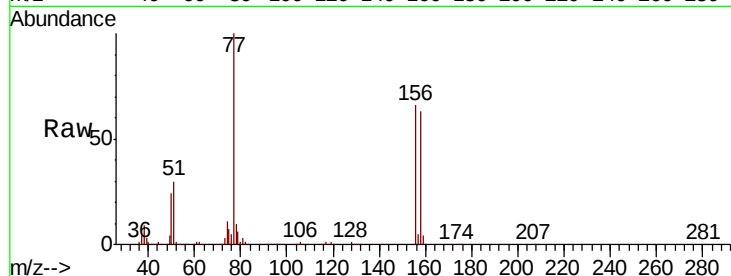
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	152.0	89.3	268.1
158	96.4	50.0	150.1

Manual Integrations
APPROVED

apatel
11/9/2018 3:31:41 PM



#78

n-propylbenzene

Concen: 49.318 ug/l

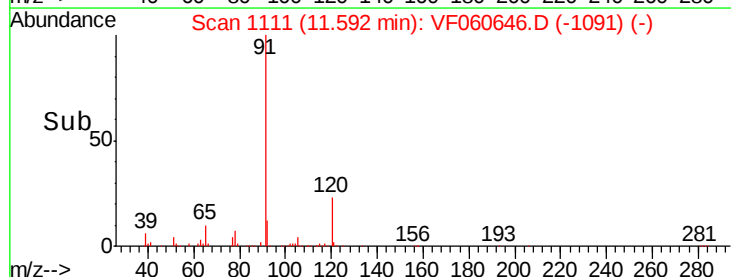
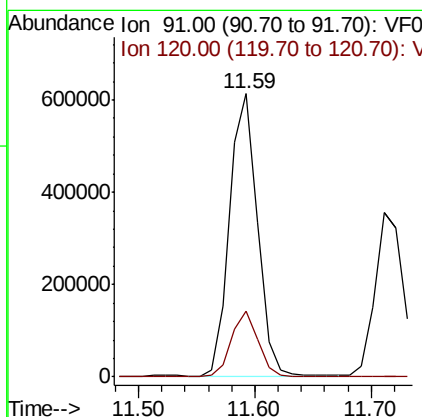
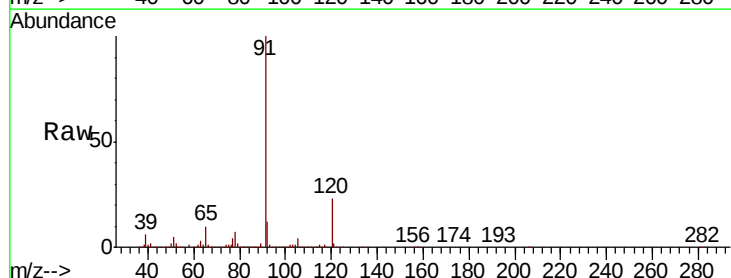
RT: 11.59 min Scan# 1111

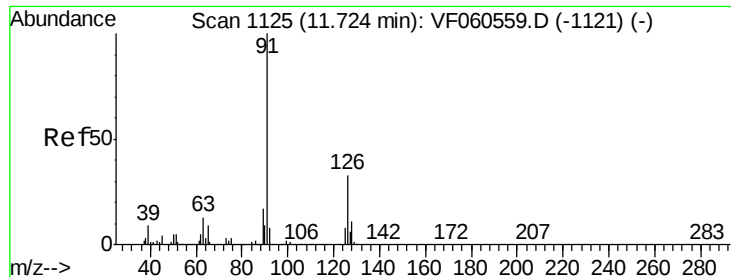
Delta R.T. -0.00 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	10.5	31.6





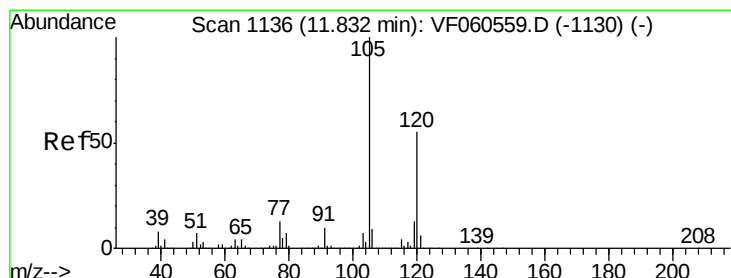
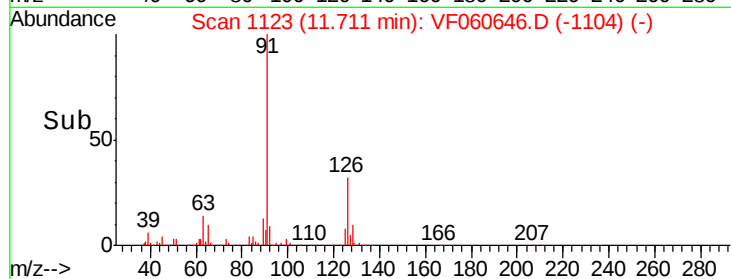
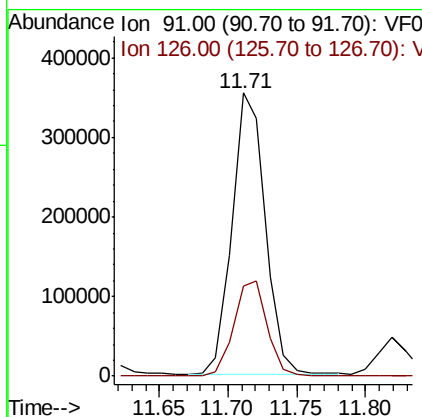
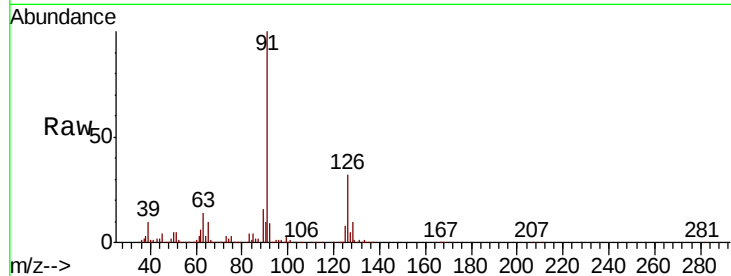
#79
 2-Chlorotoluene
 Concen: 50.206 ug/l
 RT: 11.71 min Scan# 1123
 Delta R.T. -0.01 min
 Lab File: VF060646.D
 Acq: 8 Nov 2018 12:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.5	49.5

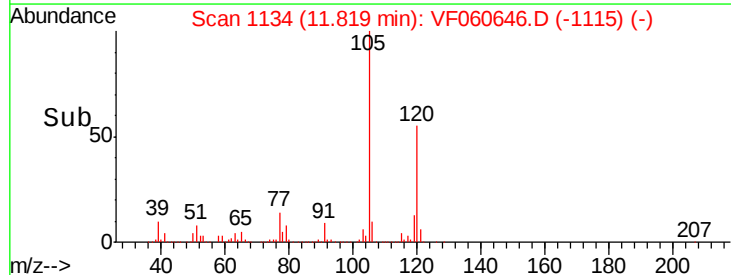
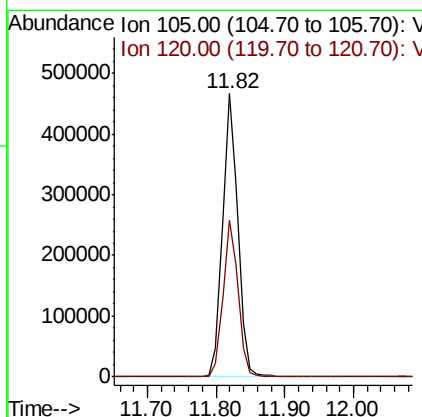
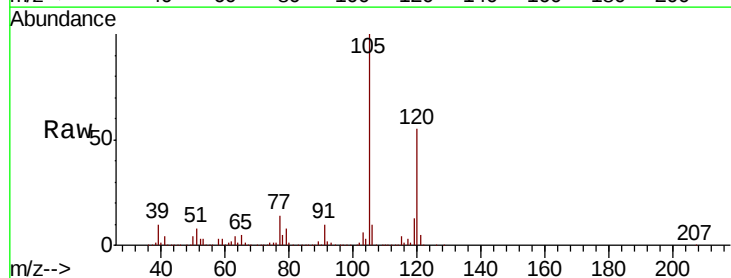
Manual Integrations
 APPROVED

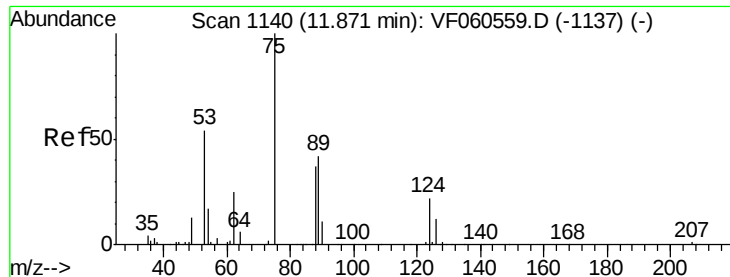
apatel
 11/9/2018 3:31:41 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 49.414 ug/l
 RT: 11.82 min Scan# 1134
 Delta R.T. -0.01 min
 Lab File: VF060646.D
 Acq: 8 Nov 2018 12:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	55.1	27.6	82.8





#81

trans-1,4-Dichloro-2-butene

Concen: 43.833 ug/l m

RT: 11.87 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Instrument :

MSVOA_F

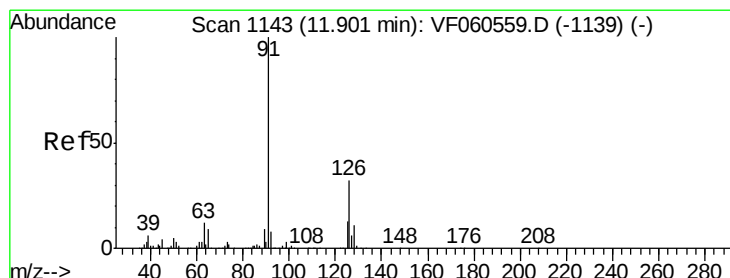
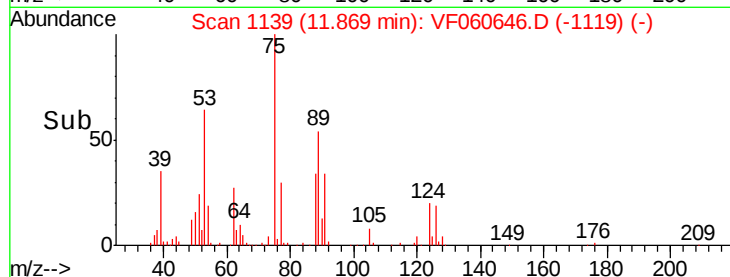
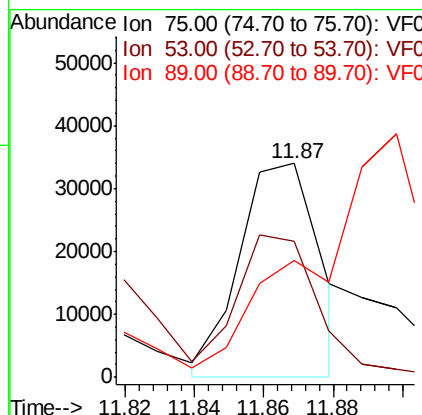
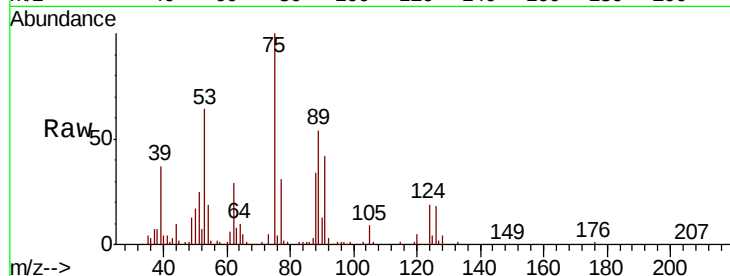
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	54513
Ion	Ratio	Lower	Upper
75	100		
53	63.6	51.6	77.4
89	54.5	36.7	55.1

Manual Integrations
APPROVED

apatel
11/9/2018 3:31:41 PM



#82

4-Chlorotoluene

Concen: 47.903 ug/l

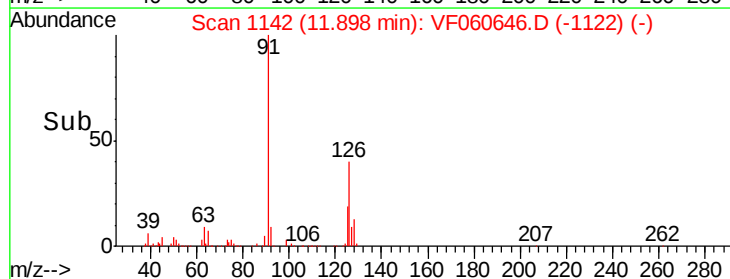
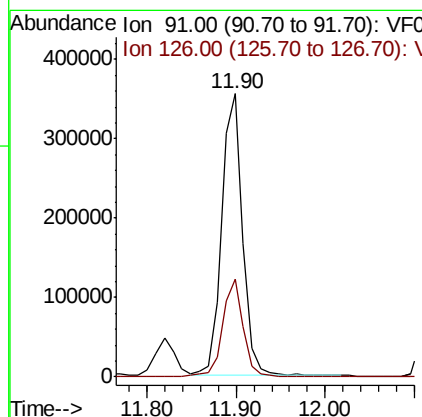
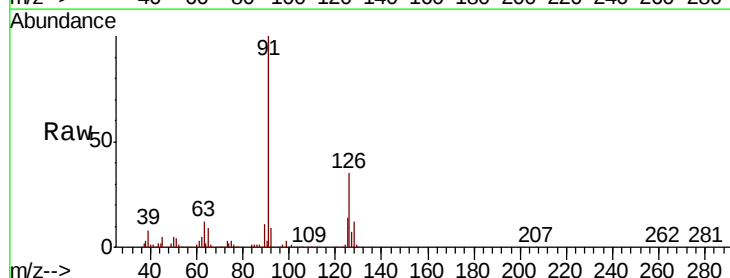
RT: 11.90 min Scan# 1142

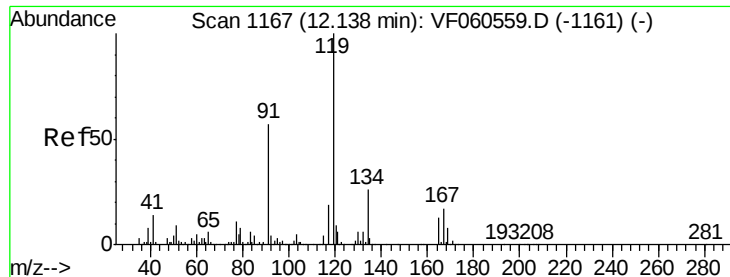
Delta R.T. -0.00 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Tgt Ion:	91	Resp:	589105
Ion	Ratio	Lower	Upper
91	100		
126	34.6	15.9	47.7





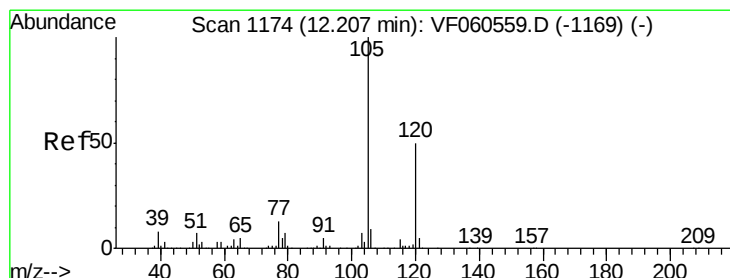
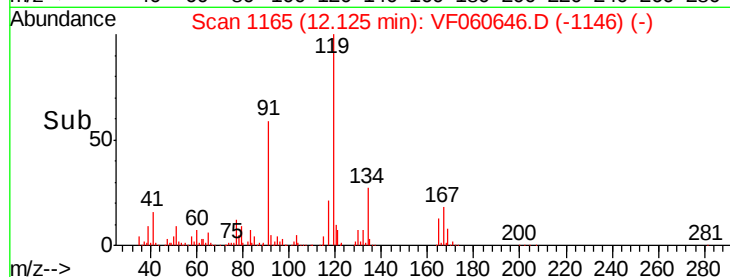
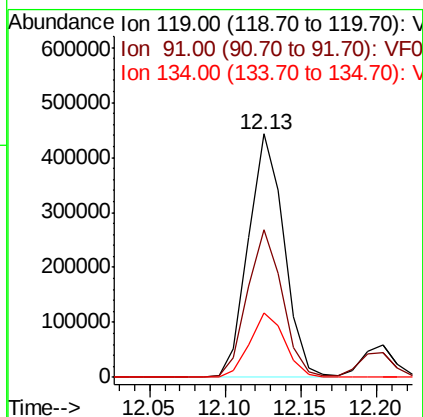
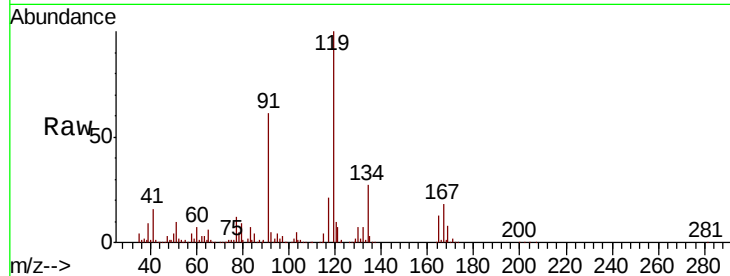
#83
tert-Butylbenzene
Concen: 49.077 ug/l
RT: 12.13 min Scan# 1165
Delta R.T. -0.01 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.5	28.8	86.4
134	26.6	13.2	39.6

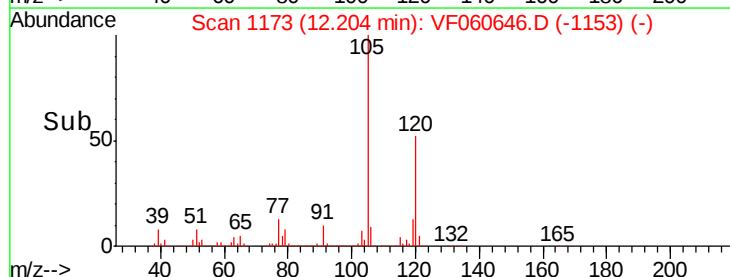
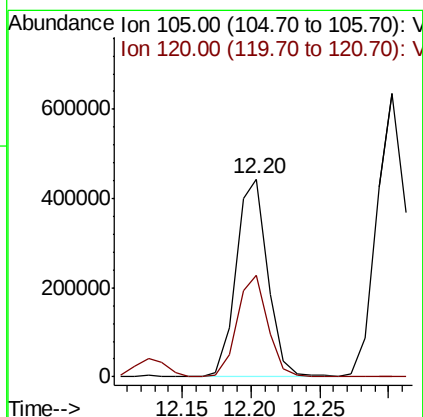
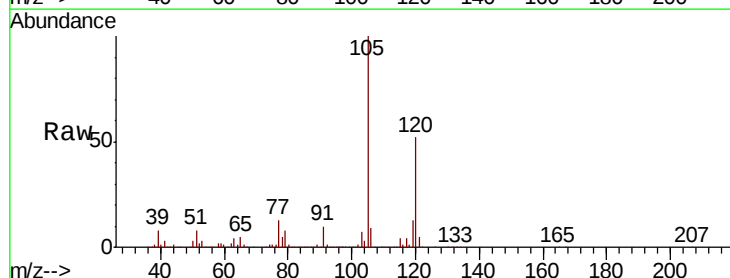
Manual Integrations
APPROVED

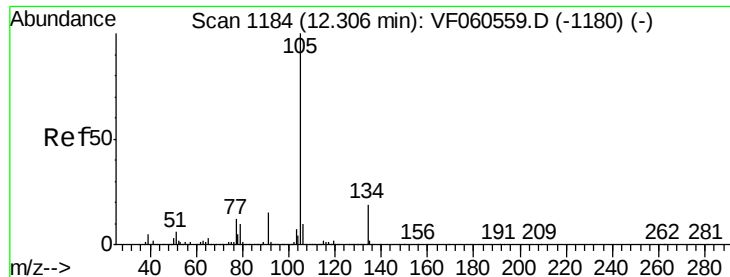
apatel
11/9/2018 3:31:41 PM



#84
1,2,4-Trimethylbenzene
Concen: 49.700 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.00 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.5	25.6	76.8





#85

sec-Butylbenzene

Concen: 47.358 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 967761

Ion Ratio Lower Upper

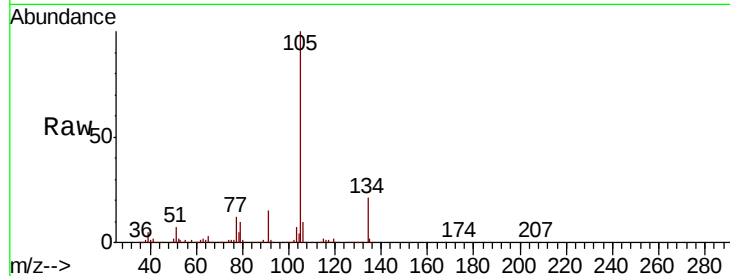
105 100

134 20.6 9.7 29.1

Manual Integrations
APPROVED

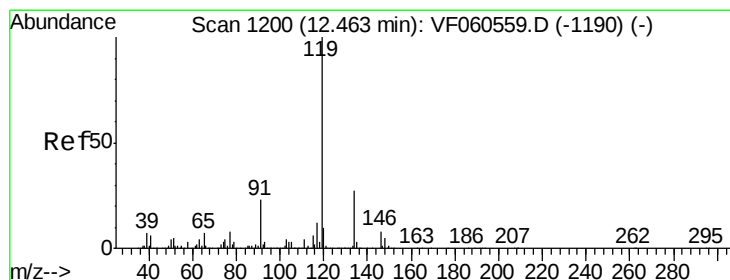
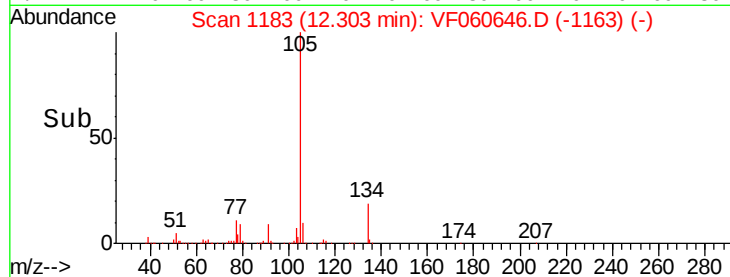
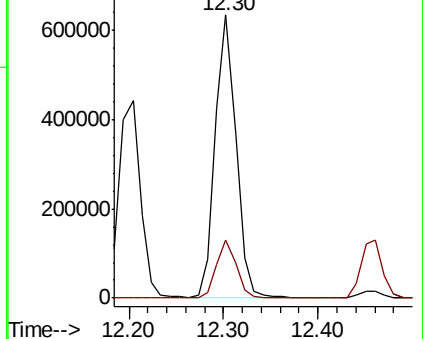
apatel

11/9/2018 3:31:41 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.548 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

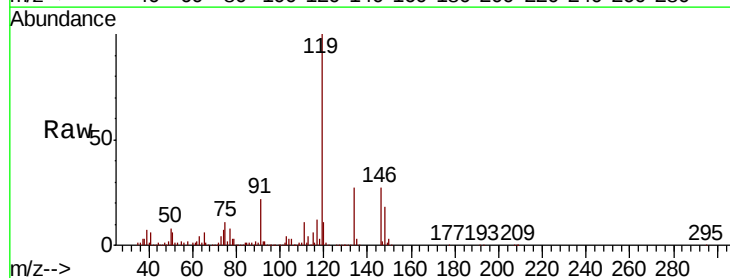
Tgt Ion:119 Resp: 800142

Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.7

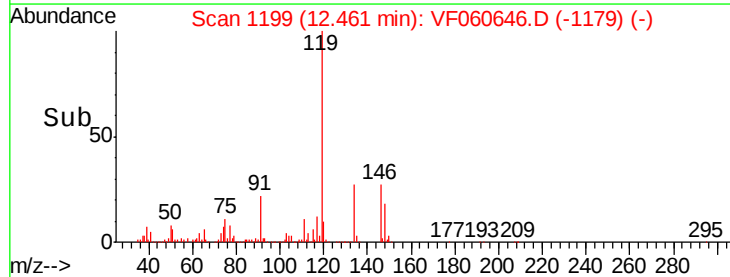
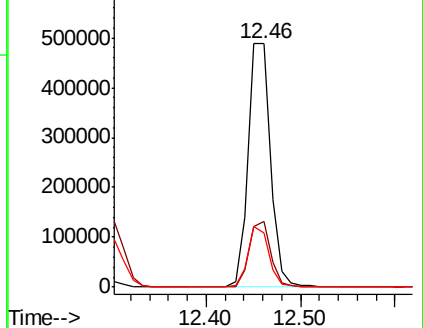
91 22.3 11.4 34.2

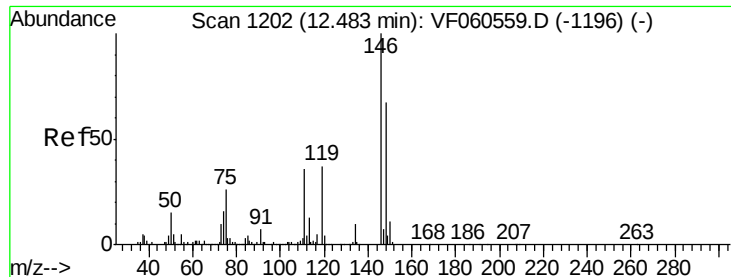


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





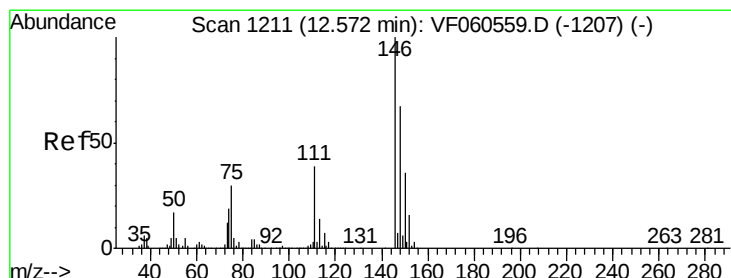
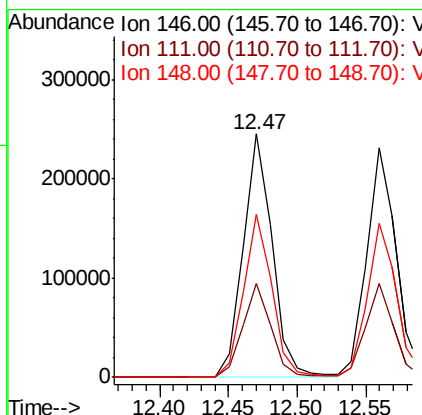
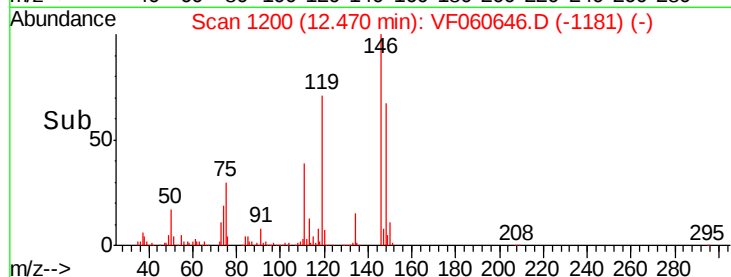
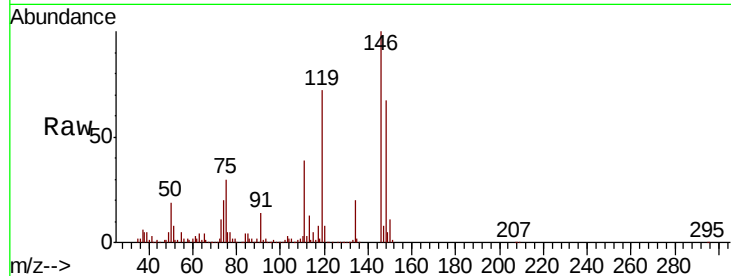
#87
 1,3-Dichlorobenzene
 Concen: 47.940 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF060646.D
 Acq: 8 Nov 2018 12:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.3	54.8
148	67.2	33.5	100.4

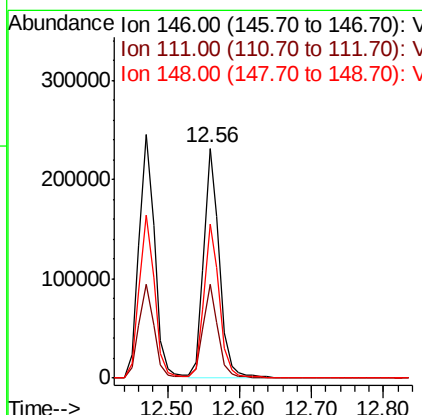
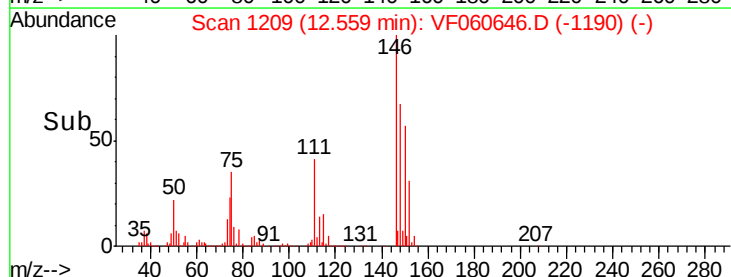
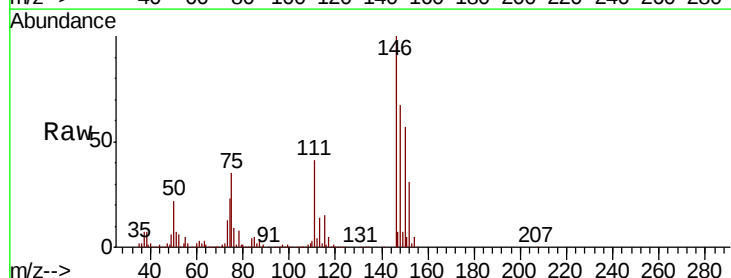
Manual Integrations
 APPROVED

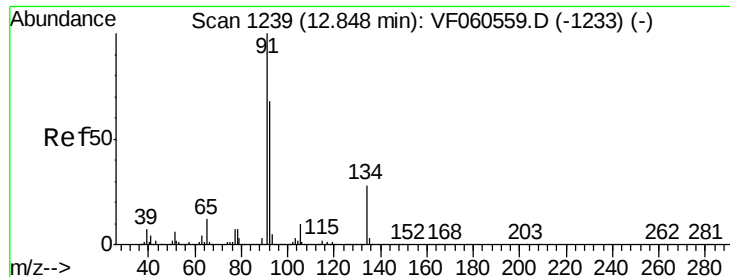
apatel
 11/9/2018 3:31:41 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.986 ug/l
 RT: 12.56 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF060646.D
 Acq: 8 Nov 2018 12:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.7	59.1
148	67.0	33.7	101.1





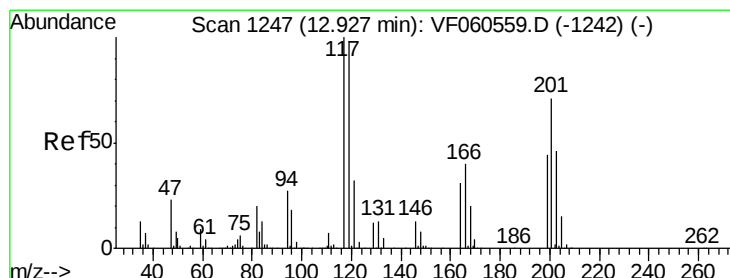
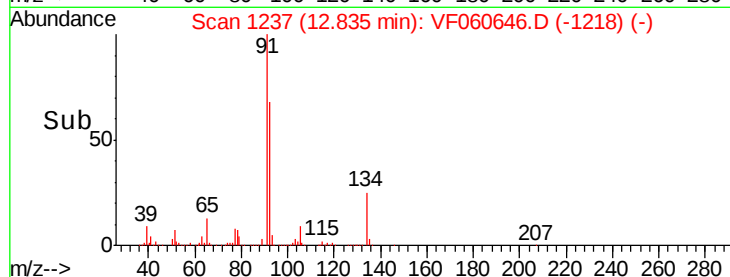
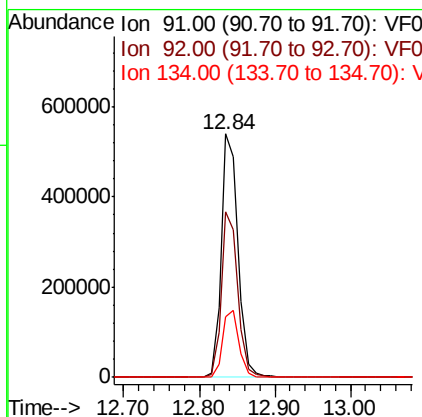
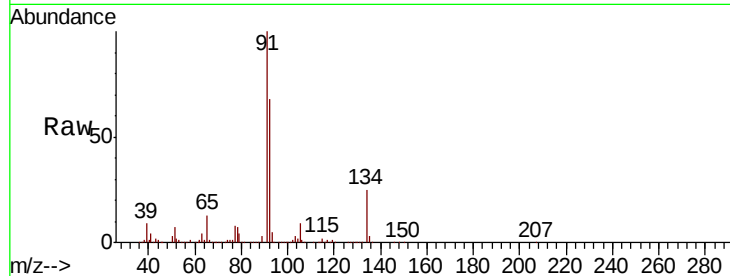
#89
n-Butylbenzene
Concen: 51.548 ug/l
RT: 12.84 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	68.2	34.1	102.2
134	24.9	13.9	41.6

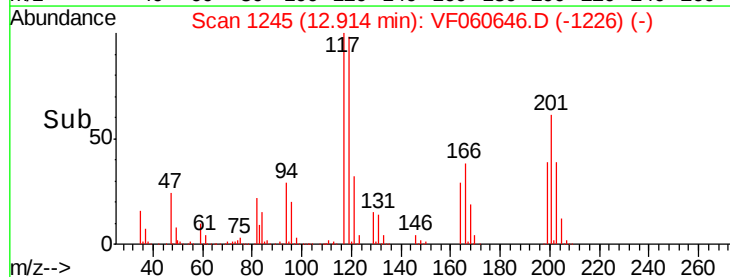
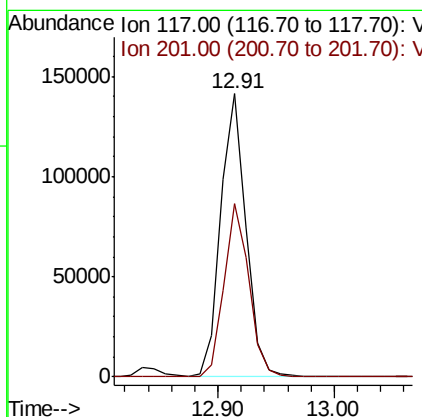
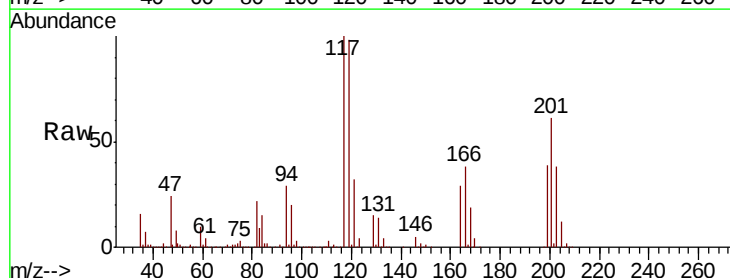
Manual Integrations
APPROVED

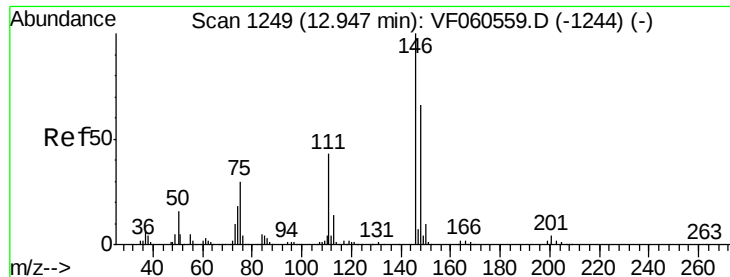
apatel
11/9/2018 3:31:41 PM



#90
Hexachloroethane
Concen: 49.618 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.3	35.2	105.6





#91

1,2-Dichlorobenzene

Concen: 49.416 ug/l

RT: 12.93 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Instrument :

MSVOA_F

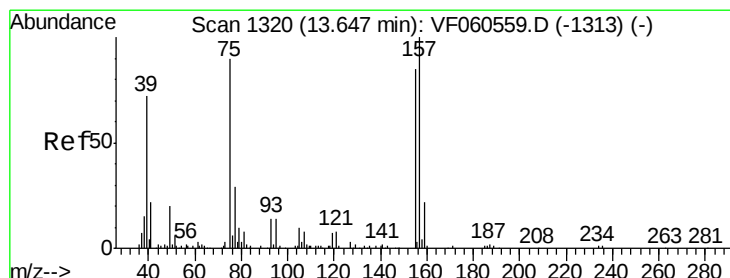
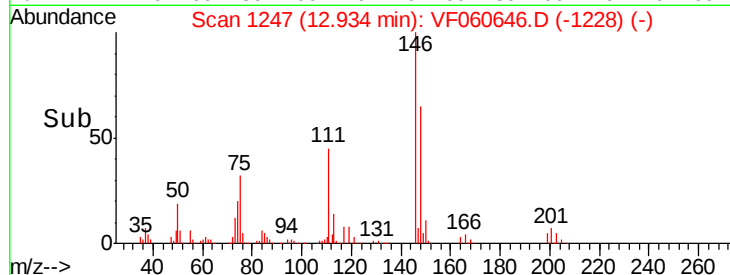
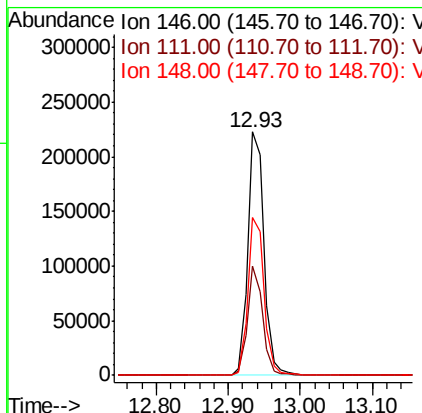
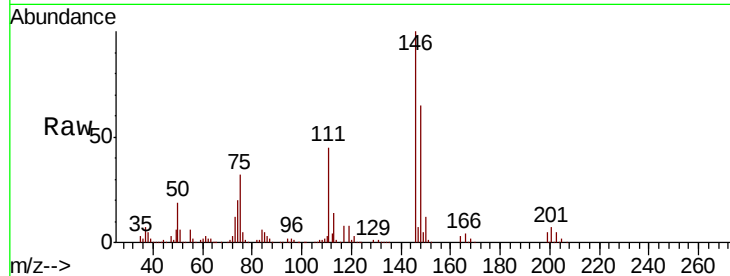
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	350270
Ion Ratio		Lower	Upper
146	100		
111	44.9	21.3	64.0
148	64.6	32.9	98.7

Manual Integrations
APPROVED

apatel
11/9/2018 3:31:41 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.466 ug/l

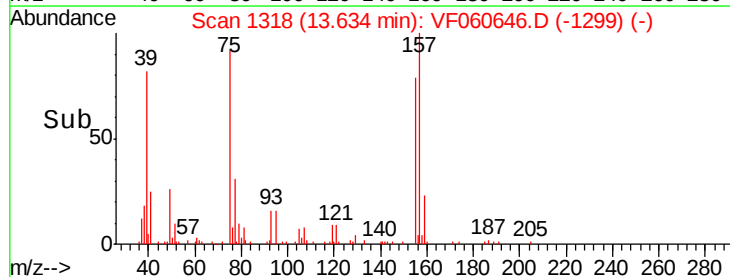
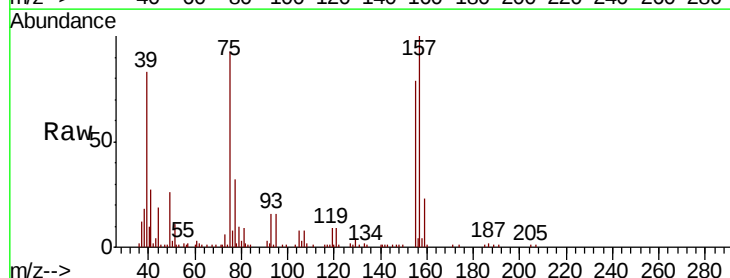
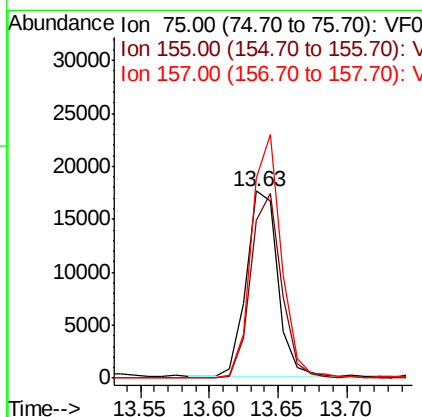
RT: 13.63 min Scan# 1318

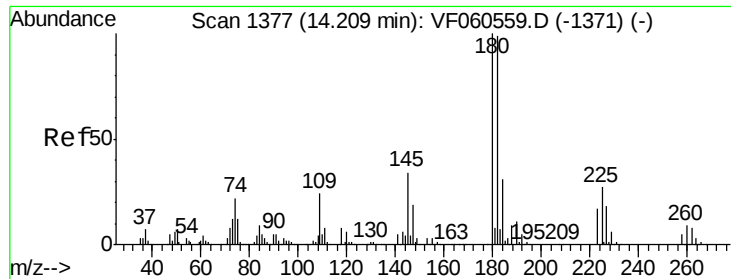
Delta R.T. -0.01 min

Lab File: VF060646.D

Acq: 8 Nov 2018 12:05

Tgt Ion:	75	Resp:	28232
Ion Ratio		Lower	Upper
75	100		
155	84.3	47.3	141.8
157	107.0	55.3	165.9





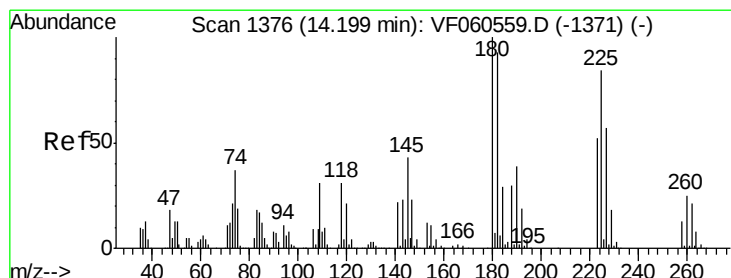
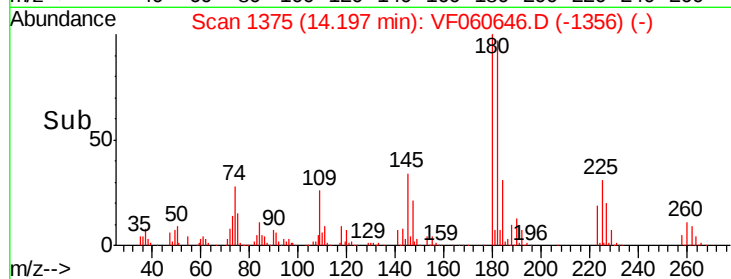
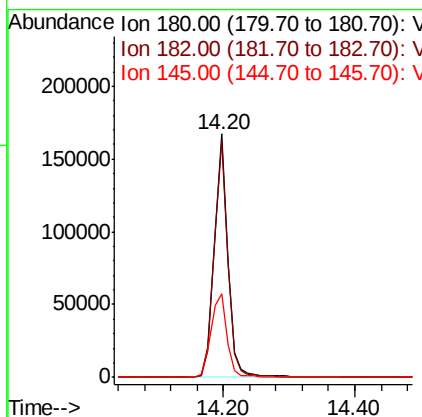
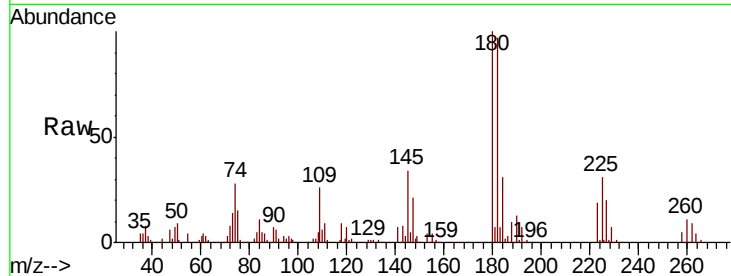
#93
 1,2,4-Trichlorobenzene
 Concen: 49.579 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF060646.D
 Acq: 8 Nov 2018 12:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	238741		
182	96.7	49.7	149.1	
145	34.2	16.9	50.7	

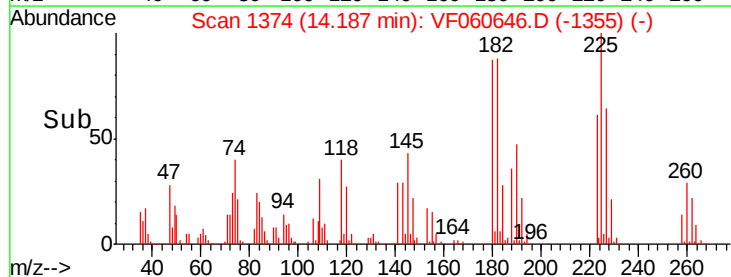
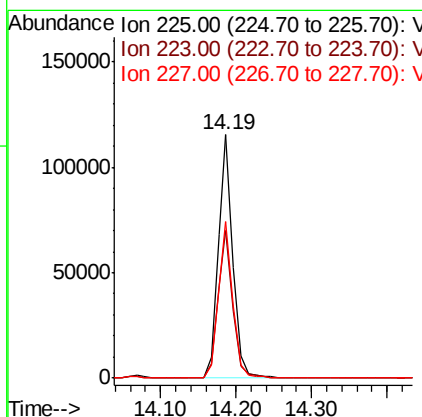
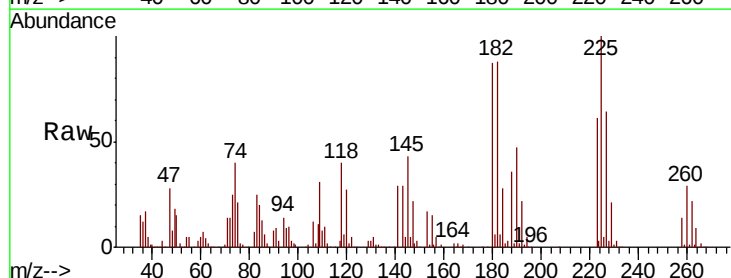
Manual Integrations
 APPROVED

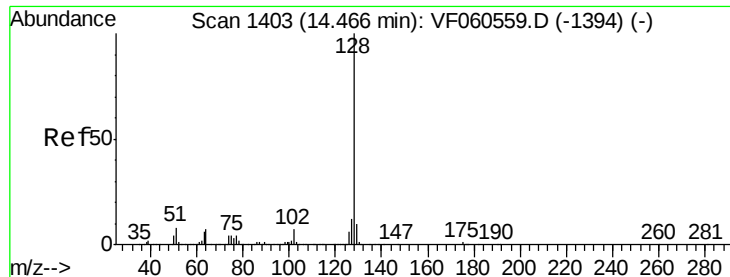
apatel
 11/9/2018 3:31:41 PM



#94
 Hexachlorobutadiene
 Concen: 49.953 ug/l
 RT: 14.19 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF060646.D
 Acq: 8 Nov 2018 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	155871		
223	60.7	30.9	92.5	
227	64.1	33.9	101.6	





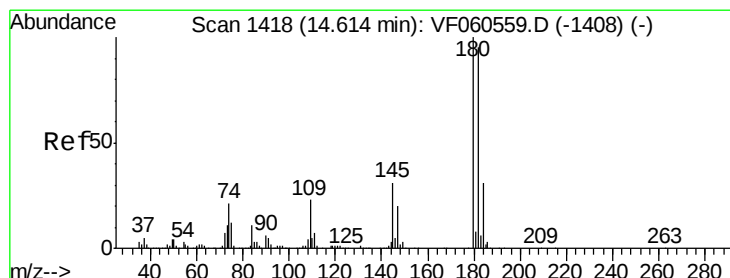
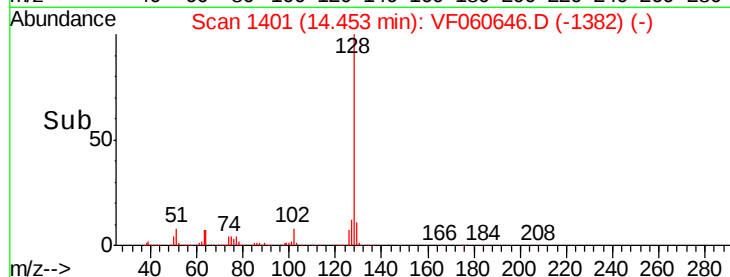
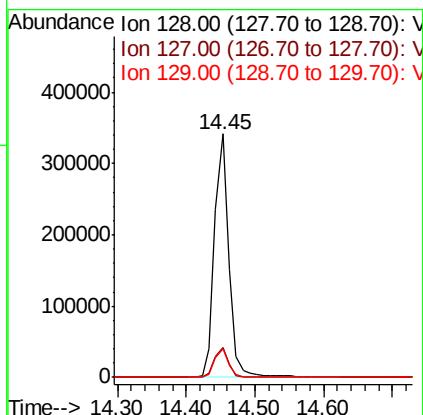
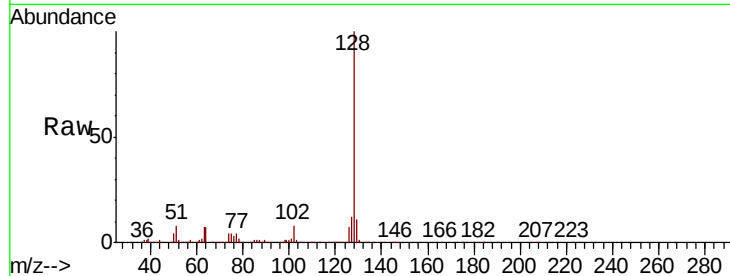
#95
Naphthalene
Concen: 51.515 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.01 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	496503		
127	12.1		9.4	14.0
129	11.5		8.4	12.6

Manual Integrations
APPROVED

apatel
11/9/2018 3:31:41 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.358 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF060646.D
Acq: 8 Nov 2018 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	229071		
182	98.0		47.3	142.0
145	32.4		15.6	46.8

