

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102618\
 Data File : VF060515.D
 Acq On : 26 Oct 2018 13:03
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/29/2018 12:11:58 PM

Quant Time: Oct 27 02:08:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 26 02:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	242862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	366240	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	317761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	184953	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	208190	43.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.26%	
35) Dibromofluoromethane	4.28	113	193126	43.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.98%	
50) Toluene-d8	7.70	98	408453	46.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.72%	
62) 4-Bromofluorobenzene	11.50	95	200105	40.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	247187	41.955	ug/l	87
3) Chloromethane	1.14	50	153053	49.872	ug/l	99
4) Vinyl Chloride	1.18	62	177088	49.994	ug/l	93
5) Bromomethane	1.35	94	147373	41.310	ug/l	99
6) Chloroethane	1.43	64	99140	45.152	ug/l #	89
7) Trichlorofluoromethane	1.54	101	474866	41.883	ug/l	95
8) Diethyl Ether	1.69	74	53431	50.529	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.89	101	219113	45.623	ug/l	92
10) Methyl Iodide	1.92	142	322066m	47.463	ug/l	
11) Tert butyl alcohol	2.68	59	55359	247.688	ug/l #	81
12) 1,1-Dichloroethene	1.85	96	167276	48.378	ug/l	75
13) Acrolein	2.08	56	46842	218.181	ug/l	88
14) Allyl chloride	2.19	41	271331	49.026	ug/l	88
15) Acrylonitrile	3.07	53	113107	291.086	ug/l	91
16) Acetone	2.33	43	269163	286.359	ug/l	99
17) Carbon Disulfide	1.87	76	453357m	47.855	ug/l	
18) Methyl Acetate	2.44	43	83096	52.421	ug/l	94
19) Methyl tert-butyl Ether	2.53	73	402047	46.454	ug/l	92
20) Methylene Chloride	2.27	84	158802m	54.474	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	166218	50.395	ug/l	95
22) Diisopropyl ether	2.92	45	511689	52.127	ug/l #	96
23) Vinyl Acetate	3.32	43	854618	275.239	ug/l	97
24) 1,1-Dichloroethane	3.00	63	367382	49.078	ug/l #	95
25) 2-Butanone	4.49	43	260865	304.317	ug/l	93
26) 2,2-Dichloropropane	3.76	77	237212	47.911	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	181124	57.531	ug/l	85
28) Bromochloromethane	3.88	49	95784	43.487	ug/l	94
29) Tetrahydrofuran	4.24	42	93033	313.511	ug/l	98
30) Chloroform	4.03	83	429110	49.704	ug/l	88
31) Cyclohexane	3.86	56	213131	57.662	ug/l	95
32) 1,1,1-Trichloroethane	4.27	97	383932	48.168	ug/l	97
36) 1,1-Dichloropropene	4.45	75	278667	51.411	ug/l	98
37) Ethyl Acetate	4.28	43	86852	59.294	ug/l #	90
38) Carbon Tetrachloride	4.16	117	420528	51.269	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102618\
 Data File : VF060515.D
 Acq On : 26 Oct 2018 13:03
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/29/2018 12:11:58 PM

Quant Time: Oct 27 02:08:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 26 02:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	256724	58.034	ug/l	88
40) Benzene	4.80	78	511711	57.379	ug/l	99
41) Methacrylonitrile	4.91	41	48711	53.596	ug/l #	91
42) 1,2-Dichloroethane	5.11	62	279146	48.424	ug/l	100
43) Isopropyl Acetate	7.11	43	101117	54.129	ug/l #	97
44) Trichloroethene	5.67	130	170854	54.912	ug/l	90
45) 1,2-Dichloropropane	6.39	63	117071	51.841	ug/l	92
46) Dibromomethane	6.25	93	102630	48.430	ug/l	91
47) Bromodichloromethane	6.53	83	276111	46.443	ug/l	100
48) Methyl methacrylate	6.86	41	70913	50.358	ug/l	88
49) 1,4-Dioxane	6.85	88	14068	1159.490	ug/l #	85
51) 4-Methyl-2-Pentanone	8.40	43	378004	259.029	ug/l #	87
52) Toluene	7.77	92	329835	56.247	ug/l	90
53) t-1,3-Dichloropropene	8.42	75	205858	46.763	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	240548	53.044	ug/l	88
55) 1,1,2-Trichloroethane	8.62	97	100978	54.392	ug/l	95
56) Ethyl methacrylate	8.75	69	112711	56.922	ug/l #	80
57) 1,3-Dichloropropane	8.99	76	169776	52.221	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	64706	236.317	ug/l	100
59) 2-Hexanone	9.62	43	286427	310.507	ug/l	100
60) Dibromochloromethane	8.85	129	173443	49.195	ug/l	98
61) 1,2-Dibromoethane	9.13	107	112759	51.087	ug/l	91
64) Tetrachloroethene	8.30	164	147993	55.248	ug/l	92
65) Chlorobenzene	9.93	112	386909	57.918	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.06	131	188078	54.388	ug/l	92
67) Ethyl Benzene	10.03	91	726091	53.225	ug/l	95
68) m/p-Xylenes	10.26	106	492008	114.882	ug/l	94
69) o-Xylene	10.82	106	279853	58.253	ug/l	93
70) Styrene	10.89	104	378839	56.485	ug/l	96
71) Bromoform	10.88	173	95004	51.633	ug/l	96
73) Isopropylbenzene	11.22	105	887743	60.422	ug/l	97
74) N-amyl acetate	11.45	43	170242	65.248	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	136383	64.422	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	100039	54.123	ug/l	97
77) Bromobenzene	11.59	156	181274	59.179	ug/l	88
78) n-propylbenzene	11.68	91	1000003	58.218	ug/l	99
79) 2-Chlorotoluene	11.81	91	590586	56.737	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	727213	56.360	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.95	75	44669m	57.453	ug/l	
82) 4-Chlorotoluene	11.99	91	613273	55.762	ug/l	94
83) tert-Butylbenzene	12.21	119	768555	58.967	ug/l	93
84) 1,2,4-Trimethylbenzene	12.28	105	746596	58.372	ug/l	92
85) sec-Butylbenzene	12.38	105	993914	56.821	ug/l	99
86) p-Isopropyltoluene	12.53	119	836680	56.301	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	357261	57.383	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	355964	59.023	ug/l	97
89) n-Butylbenzene	12.91	91	859714	54.385	ug/l	95
90) Hexachloroethane	12.99	117	224461	57.564	ug/l	88
91) 1,2-Dichlorobenzene	13.01	146	337746	56.561	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	32315	59.879	ug/l #	63

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF102618\
Data File : VF060515.D
Acq On : 26 Oct 2018 13:03
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00/5mL/MSVOA F/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

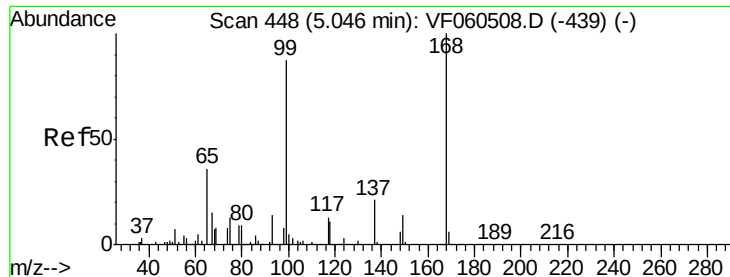
Manual Integrations
APPROVED

apatel
10/29/2018 12:11:58 PM

Quant Time: Oct 27 02:08:10 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 26 02:17:41 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	265738	54.655	ug/l	93
94) Hexachlorobutadiene	14.25	225	200244	55.066	ug/l	97
95) Naphthalene	14.52	128	486428	63.430	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	259864	58.106	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 242862

Ion Ratio Lower Upper

168 100

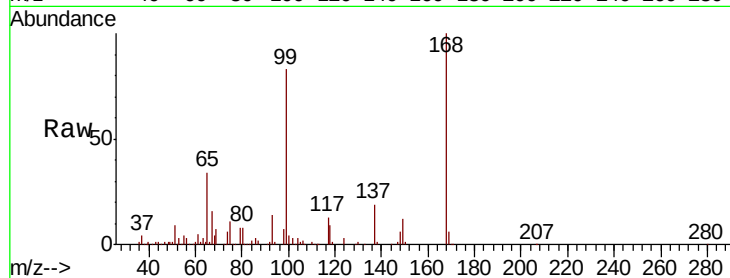
99 83.2 69.9 104.9

Manual Integrations

APPROVED

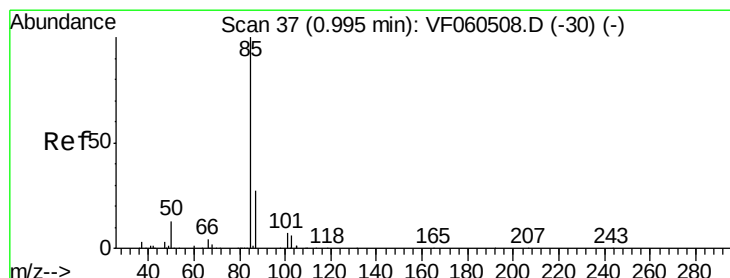
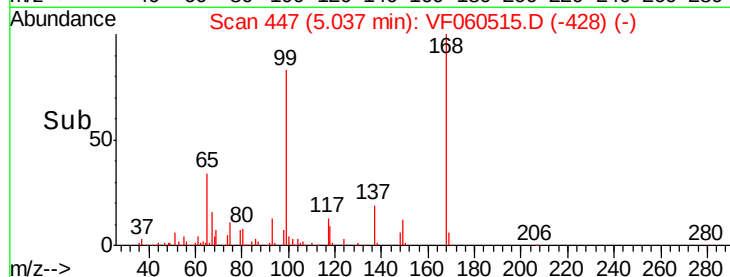
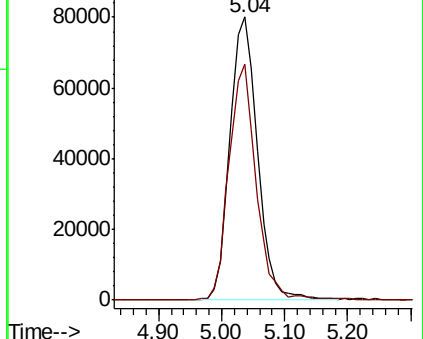
apatel

10/29/2018 12:11:58 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 41.955 ug/l

RT: 1.00 min Scan# 38

Delta R.T. 0.01 min

Lab File: VF060515.D

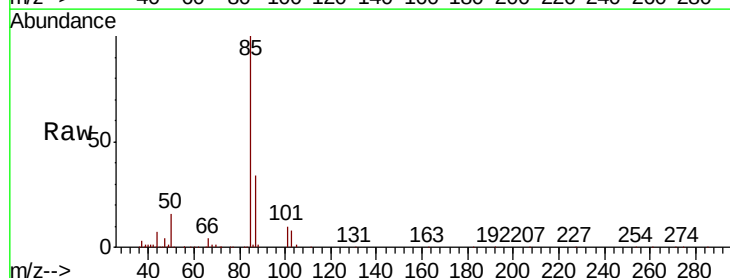
Acq: 26 Oct 2018 13:03

Tgt Ion: 85 Resp: 247187

Ion Ratio Lower Upper

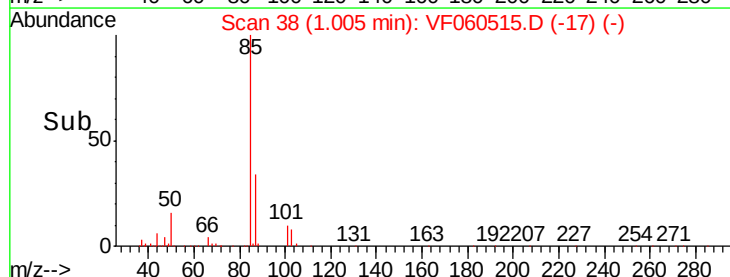
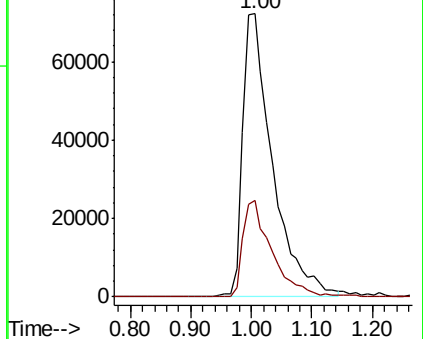
85 100

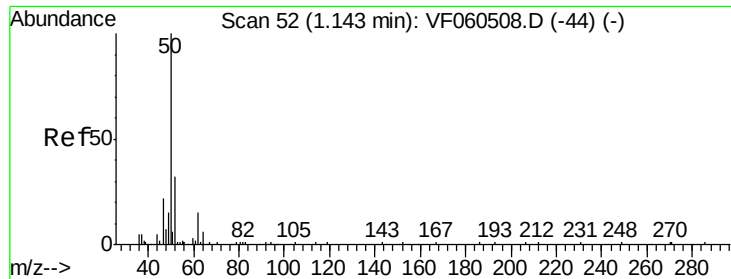
87 33.5 13.5 40.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 49.872 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 153053

Ion Ratio Lower Upper

50 100

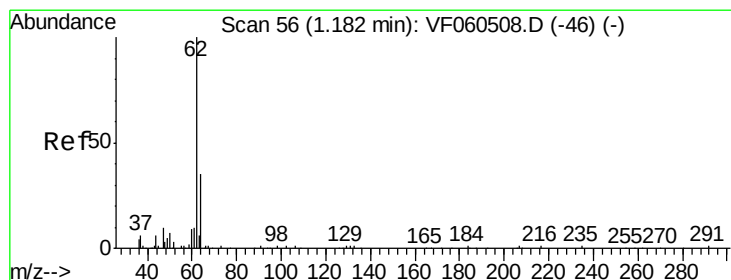
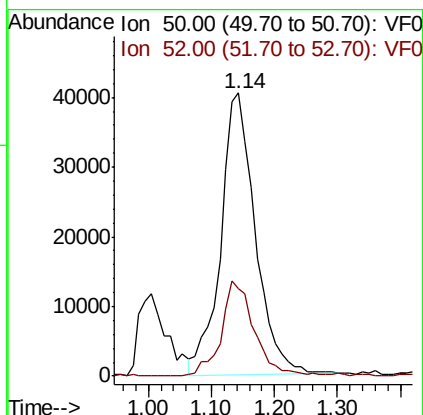
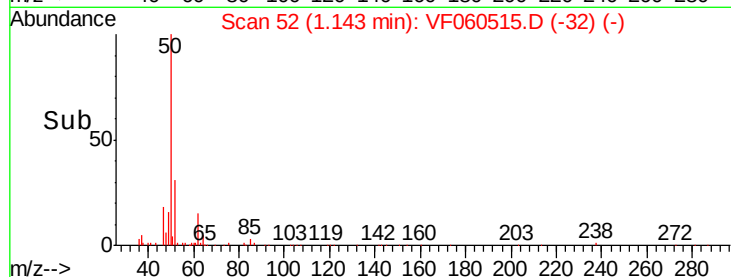
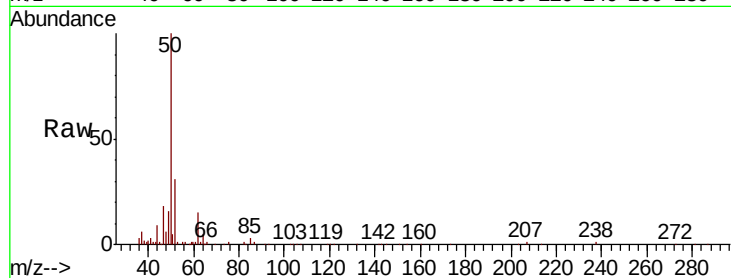
52 31.0 24.5 36.7

Manual Integrations

APPROVED

apatel

10/29/2018 12:11:58 PM



#4

Vinyl Chloride

Concen: 49.994 ug/l

RT: 1.18 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF060515.D

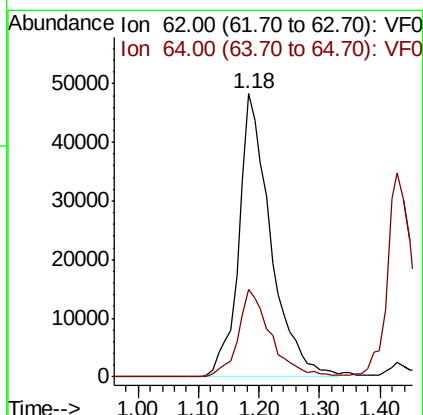
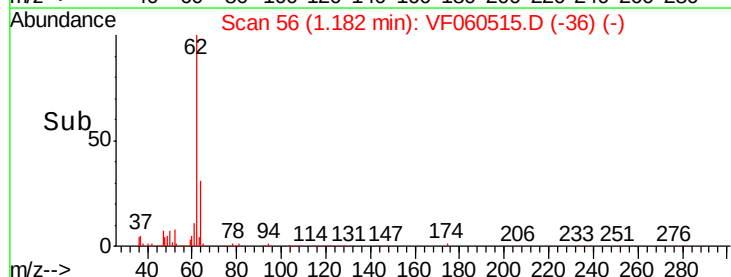
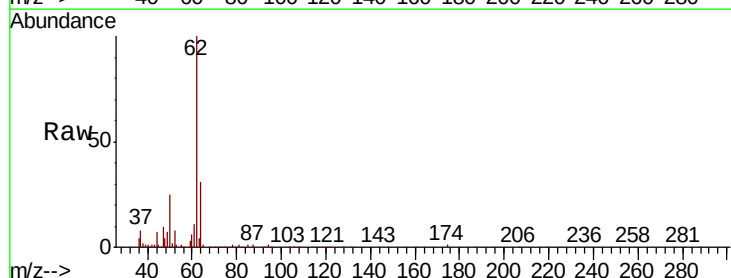
Acq: 26 Oct 2018 13:03

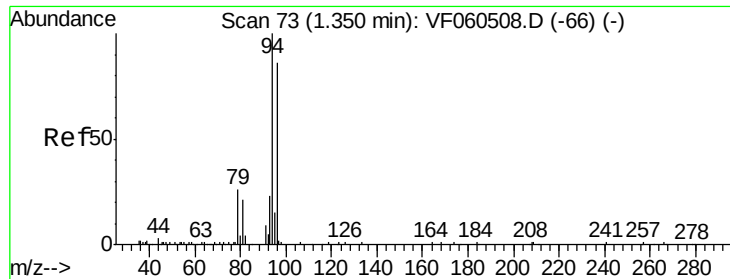
Tgt Ion: 62 Resp: 177088

Ion Ratio Lower Upper

62 100

64 30.7 27.8 41.8





#5

Bromomethane

Concen: 41.310 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 147373

Ion Ratio Lower Upper

94 100

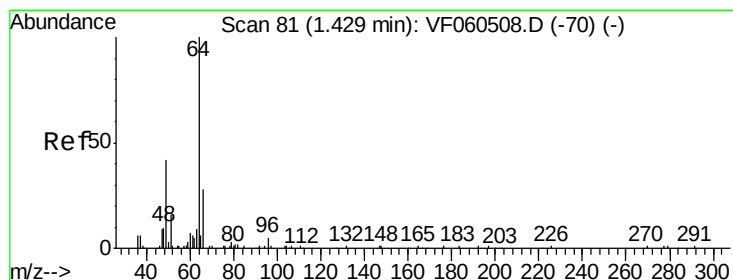
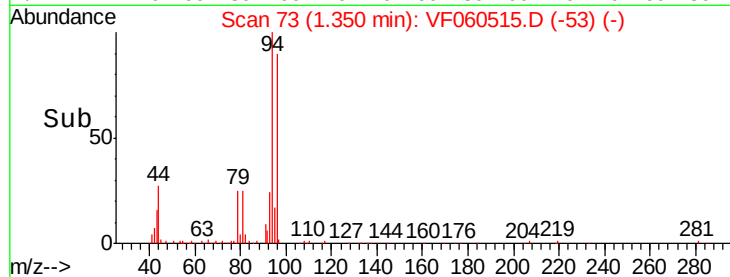
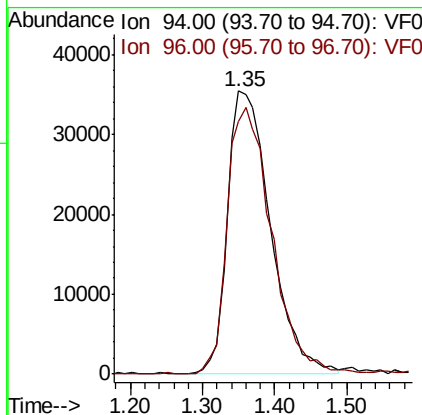
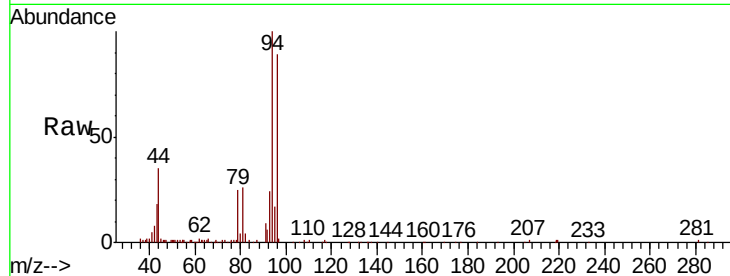
96 89.4 70.6 105.8

Manual Integrations

APPROVED

apatel

10/29/2018 12:11:58 PM



#6

Chloroethane

Concen: 45.152 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060515.D

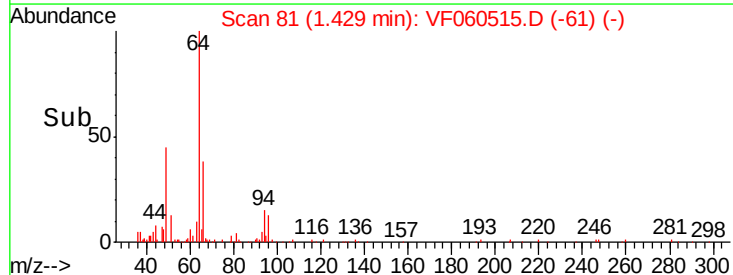
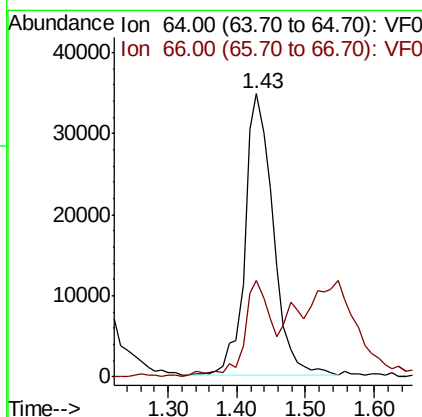
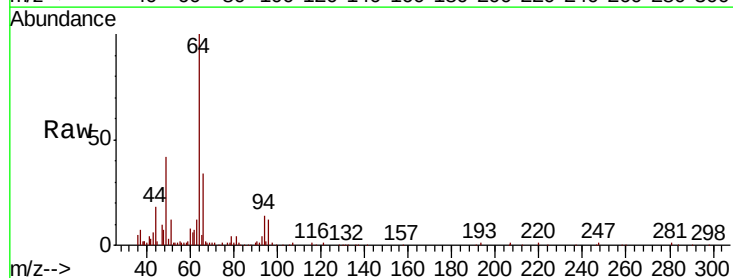
Acq: 26 Oct 2018 13:03

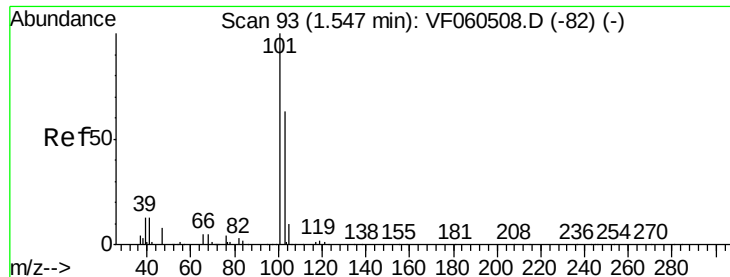
Tgt Ion: 64 Resp: 99140

Ion Ratio Lower Upper

64 100

66 33.9 22.4 33.6#





#7

Trichlorofluoromethane

Concen: 41.883 ug/l

RT: 1.54 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 474866

Ion Ratio Lower Upper

101 100

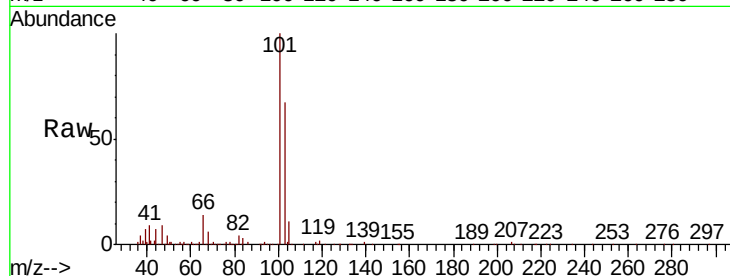
103 67.1 50.4 75.6

Manual Integrations

APPROVED

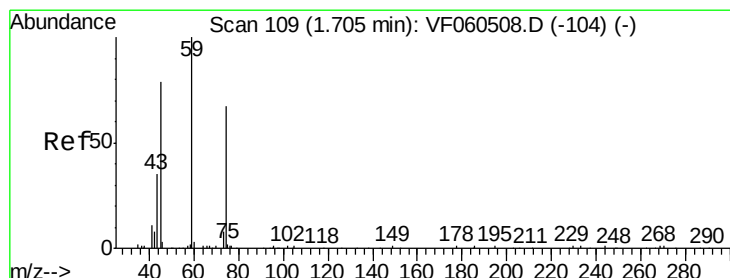
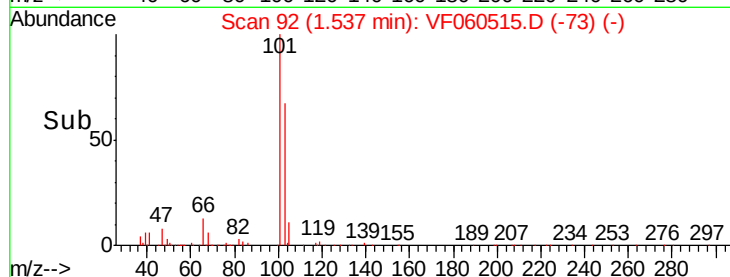
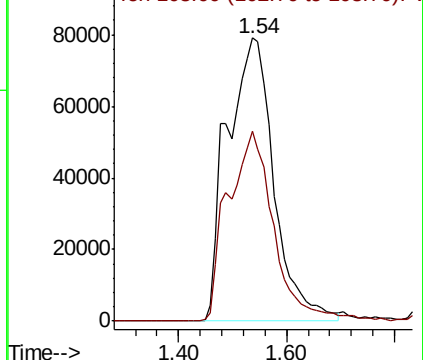
apatel

10/29/2018 12:11:58 PM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 50.529 ug/l

RT: 1.69 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060515.D

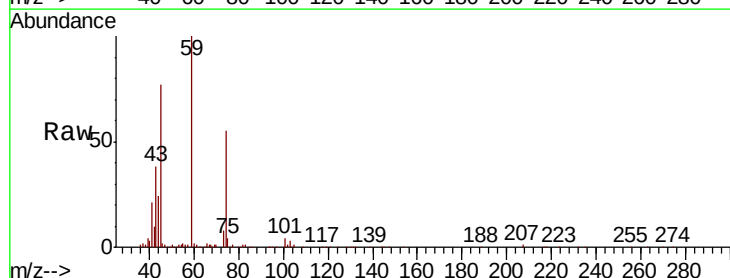
Acq: 26 Oct 2018 13:03

Tgt Ion: 74 Resp: 53431

Ion Ratio Lower Upper

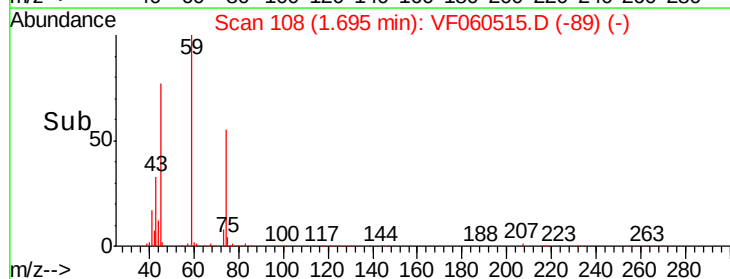
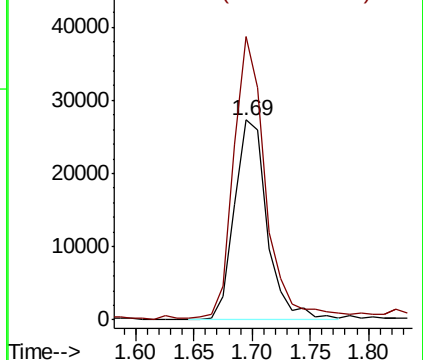
74 100

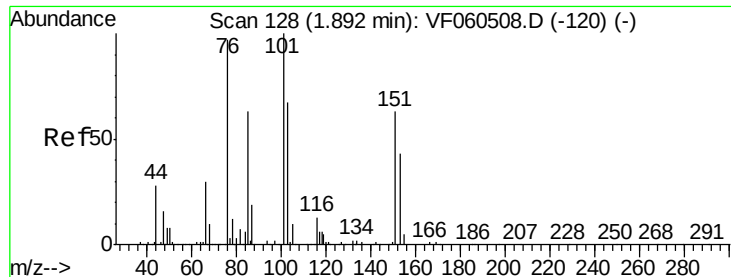
45 141.8 62.1 186.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.623 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.00 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

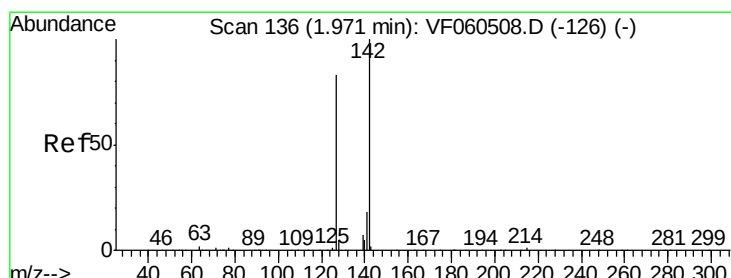
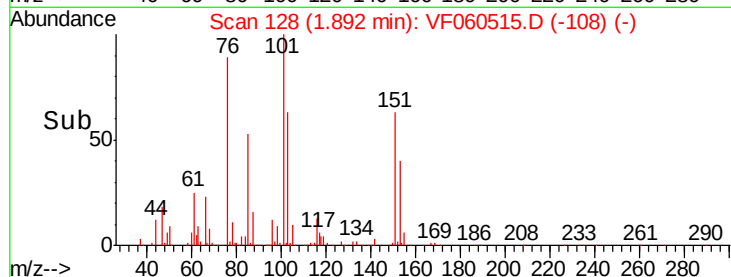
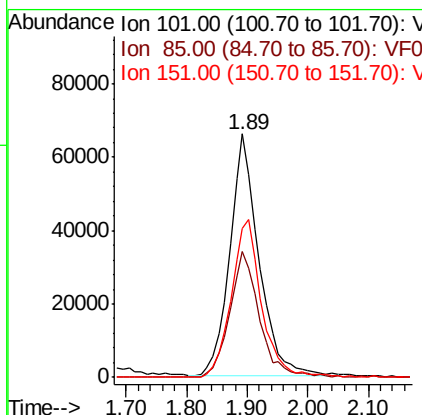
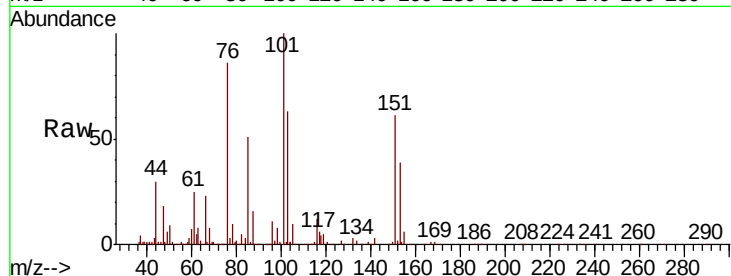
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	219113
Ion Ratio	Lower	Upper	
101	100		
85	51.5	49.9	74.9
151	61.3	50.6	76.0

Manual Integrations
APPROVED

apatel
10/29/2018 12:11:58 PM



#10

Methyl Iodide

Concen: 47.463 ug/l m

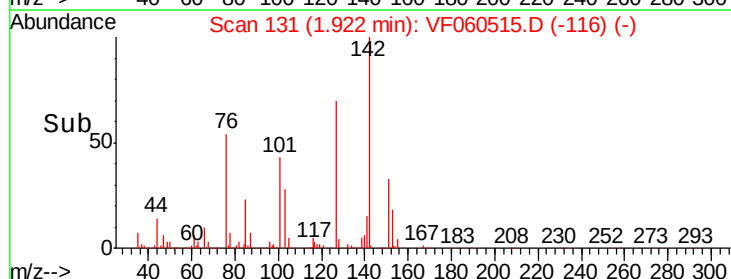
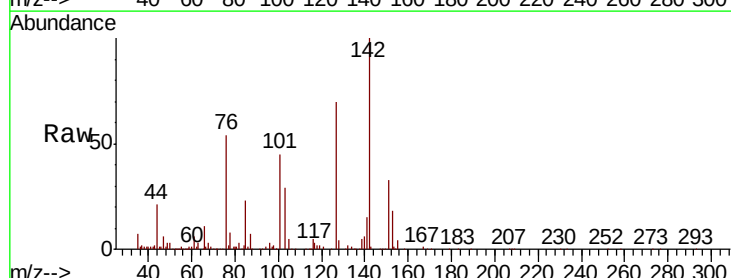
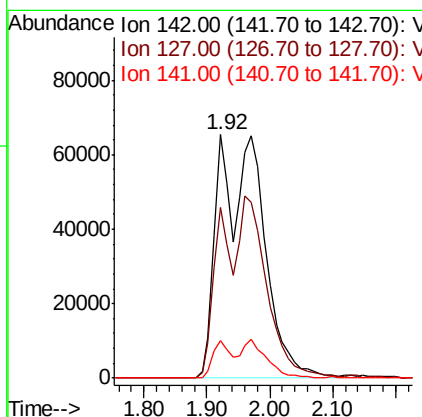
RT: 1.92 min Scan# 131

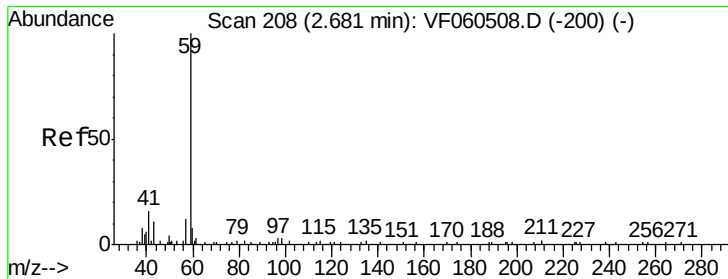
Delta R.T. -0.05 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Tgt Ion:	142	Resp:	322066
Ion Ratio	Lower	Upper	
142	100		
127	70.1	66.5	99.7
141	15.2	14.2	21.4





#11

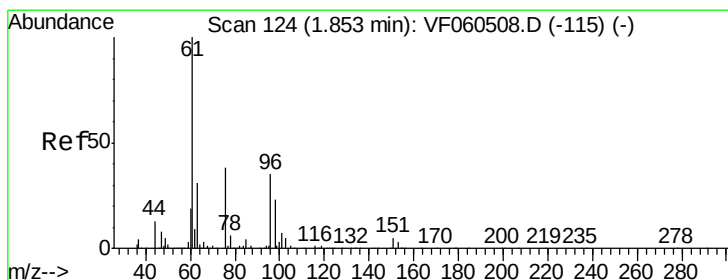
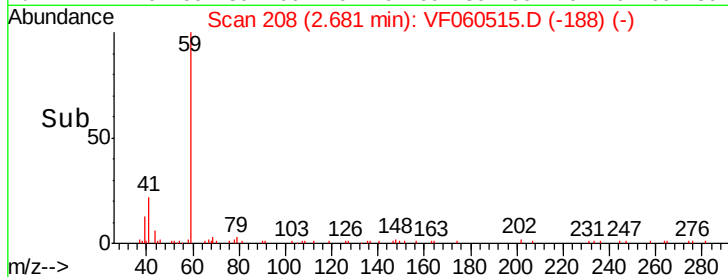
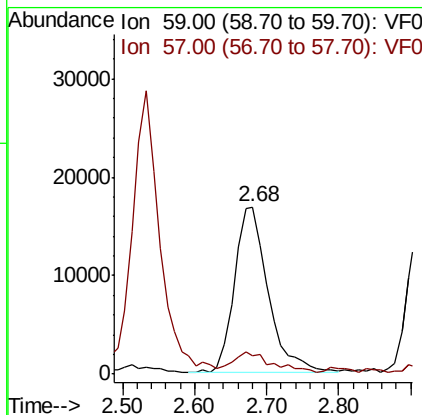
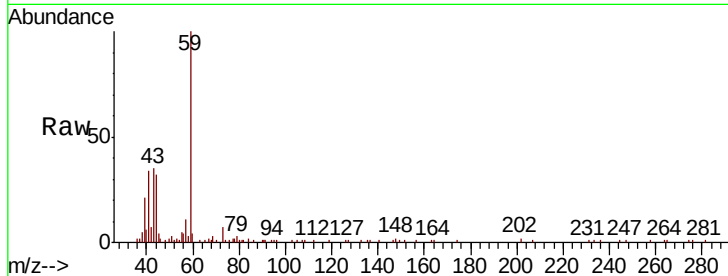
Tert butyl alcohol
 Concen: 247.688 ug/l
 RT: 2.68 min Scan# 208
 Delta R.T. 0.00 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	15.8	23.8#

Manual Integrations
 APPROVED

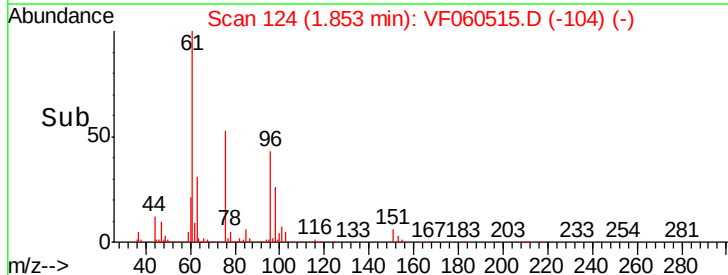
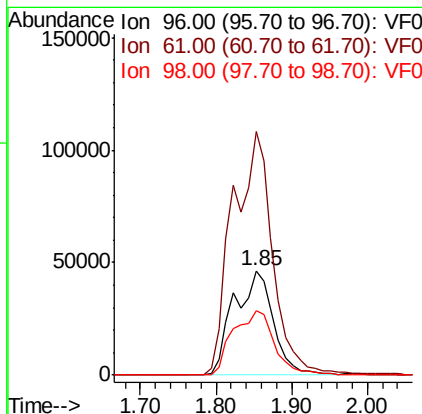
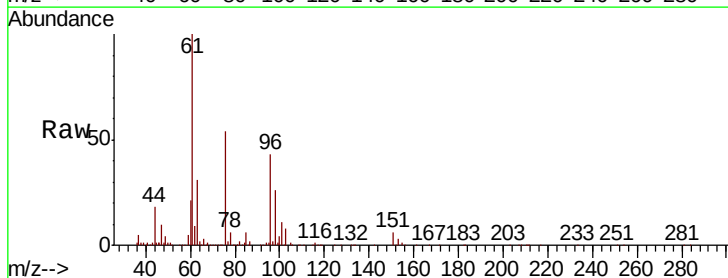
apatel
 10/29/2018 12:11:58 PM

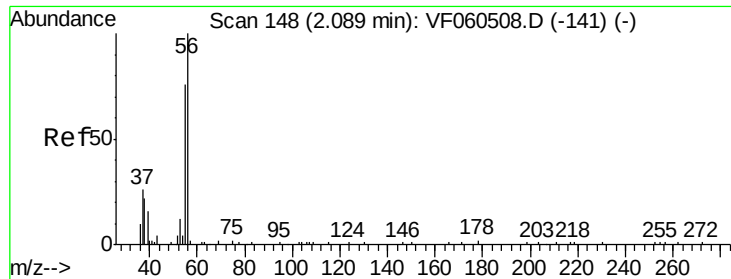


#12

1,1-Dichloroethene
 Concen: 48.378 ug/l
 RT: 1.85 min Scan# 124
 Delta R.T. 0.00 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	233.1	231.4	347.0
98	61.2	53.3	79.9





#13

Acrolein

Concen: 218.181 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 46842

Ion Ratio Lower Upper

56 100

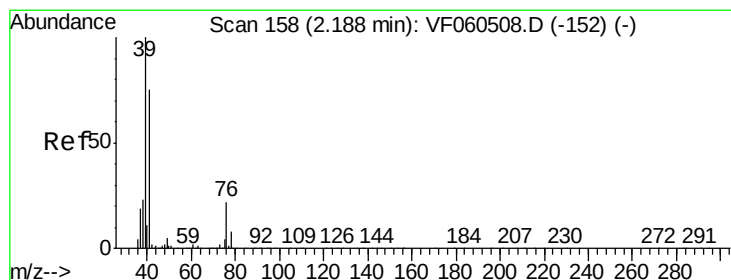
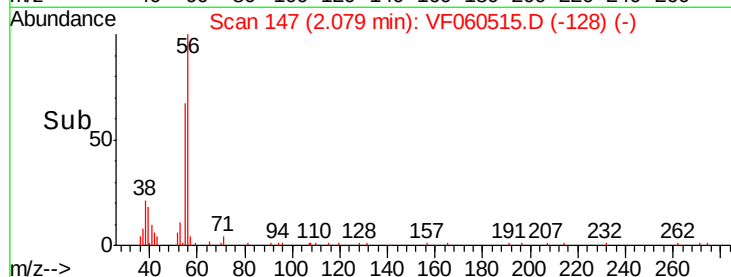
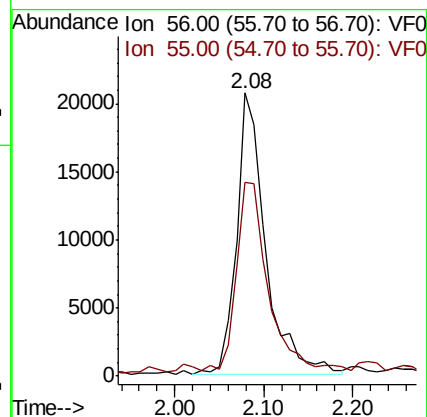
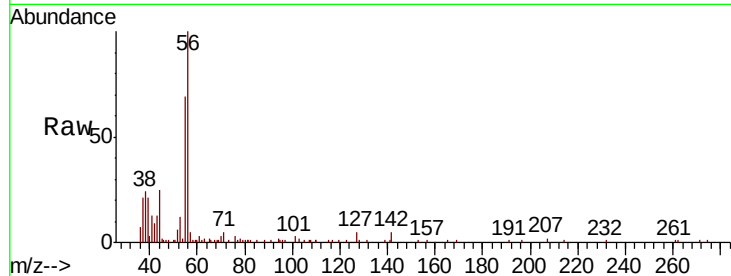
55 68.6 63.0 94.4

Manual Integrations

APPROVED

apatel

10/29/2018 12:11:58 PM



#14

Allyl chloride

Concen: 49.026 ug/l

RT: 2.19 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

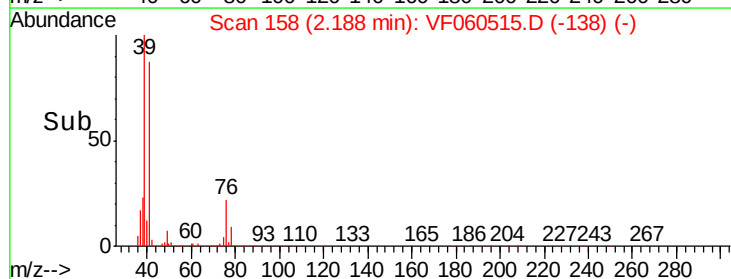
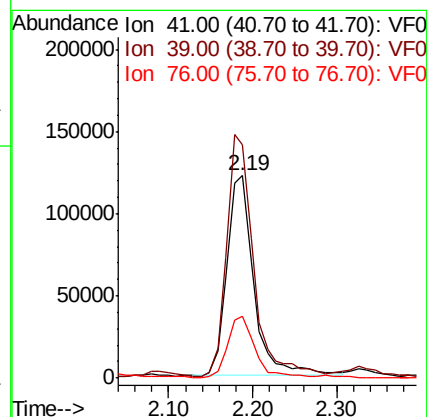
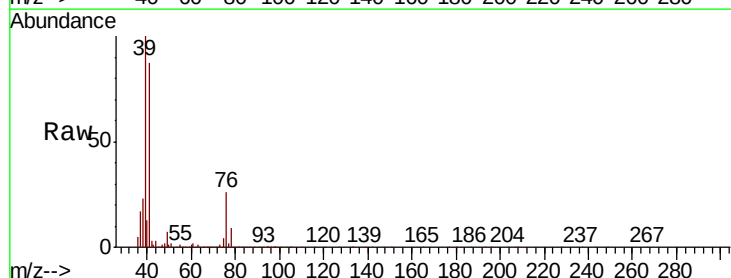
Tgt Ion: 41 Resp: 271331

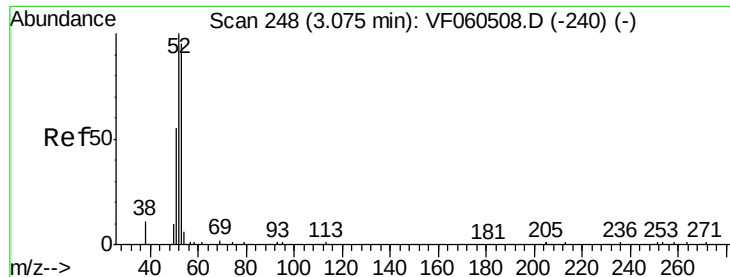
Ion Ratio Lower Upper

41 100

39 115.0 106.0 159.0

76 30.3 24.1 36.1





#15

Acrylonitrile

Concen: 291.086 ug/l

RT: 3.07 min Scan# 247

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

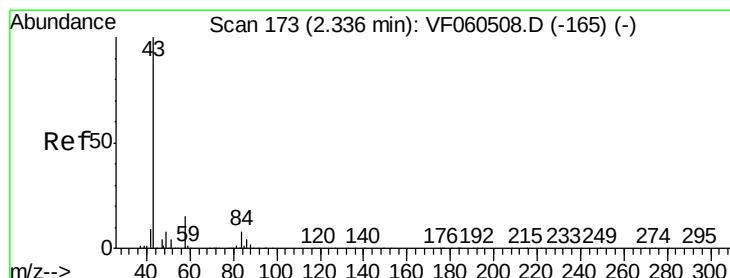
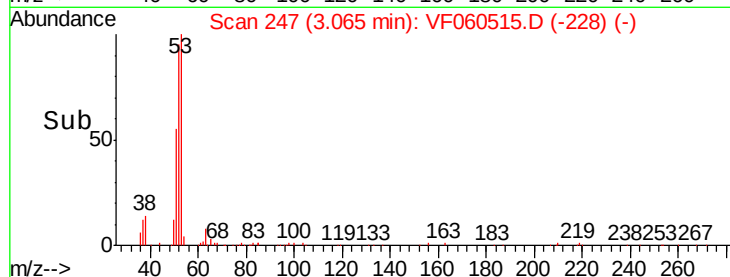
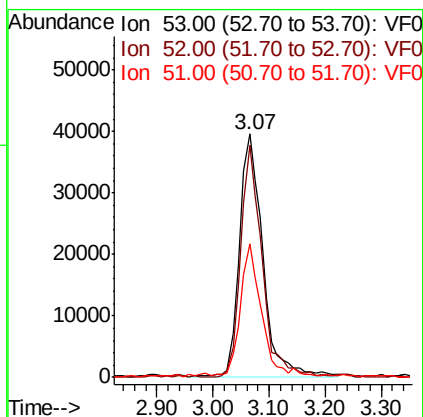
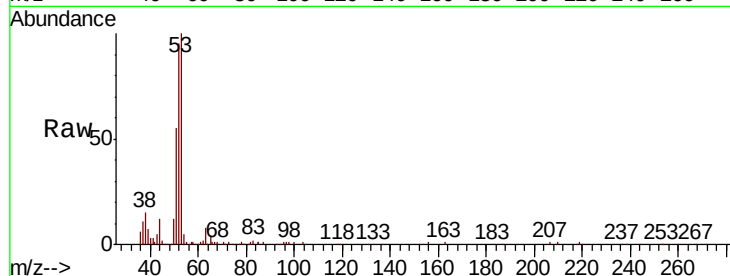
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	113107
Ion	Ratio	Lower	Upper
53	100		
52	95.1	84.0	126.0
51	55.0	48.6	73.0

Manual Integrations
APPROVED

apatel
10/29/2018 12:11:58 PM



#16

Acetone

Concen: 286.359 ug/l

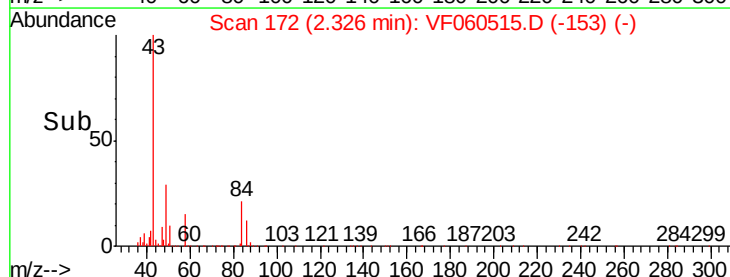
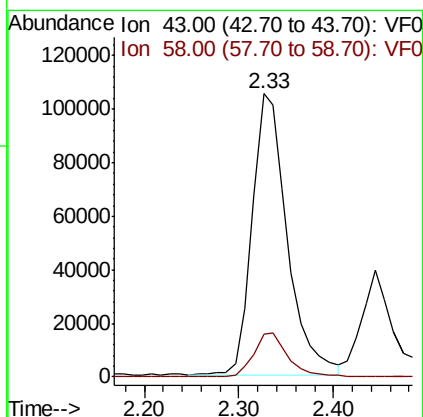
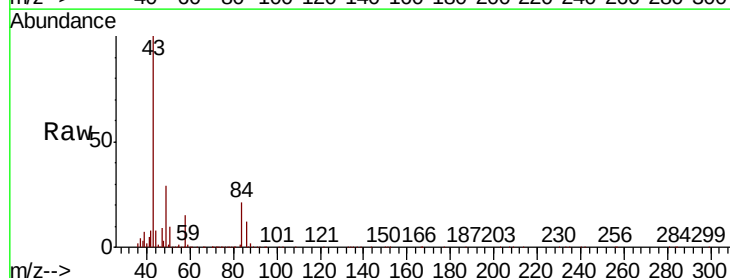
RT: 2.33 min Scan# 172

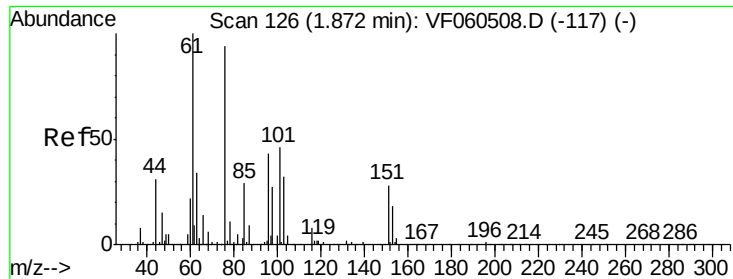
Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Tgt Ion:	43	Resp:	269163
Ion	Ratio	Lower	Upper
43	100		
58	15.2	11.7	17.5





#17

Carbon Disulfide

Concen: 47.855 ug/l m

RT: 1.87 min Scan# 126

Delta R.T. 0.00 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 453357

Ion Ratio Lower Upper

76 100

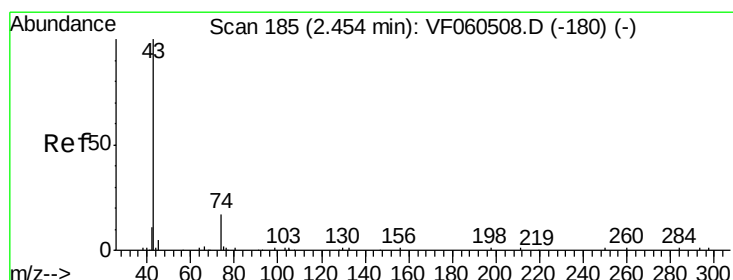
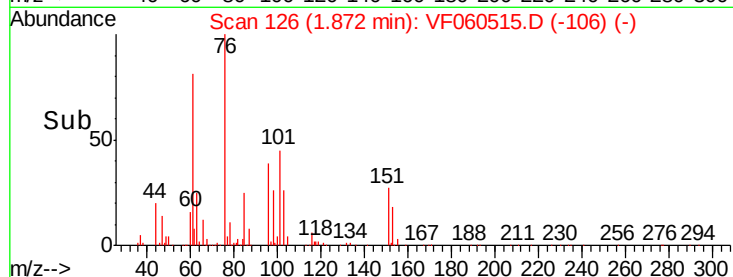
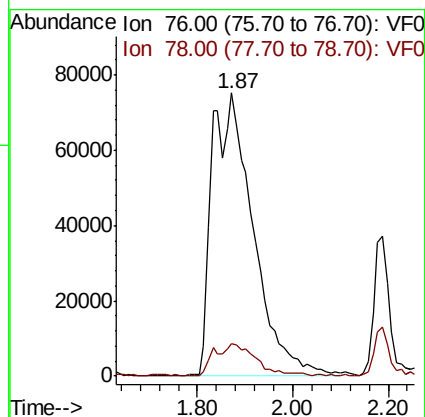
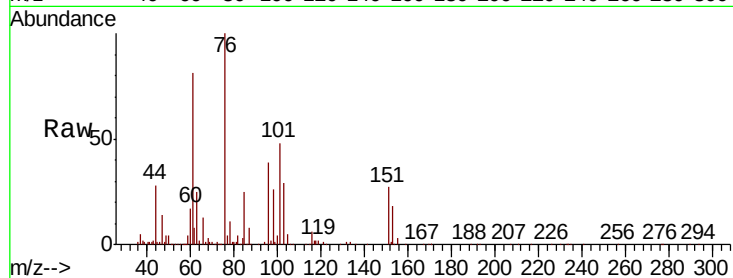
78 11.3 9.2 13.8

Manual Integrations

APPROVED

apatel

10/29/2018 12:11:58 PM



#18

Methyl Acetate

Concen: 52.421 ug/l

RT: 2.44 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF060515.D

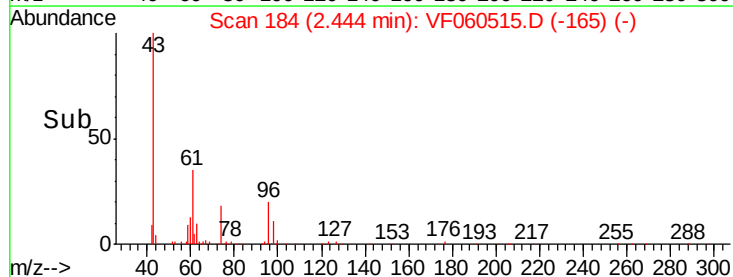
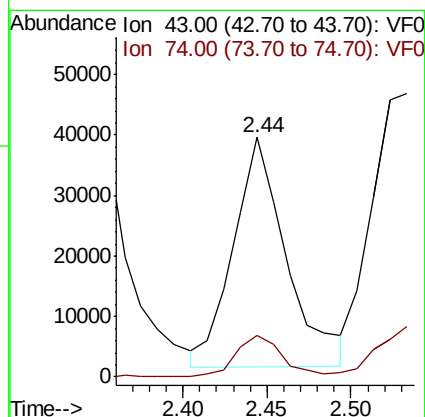
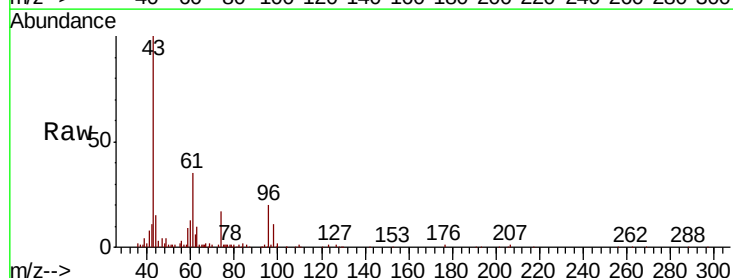
Acq: 26 Oct 2018 13:03

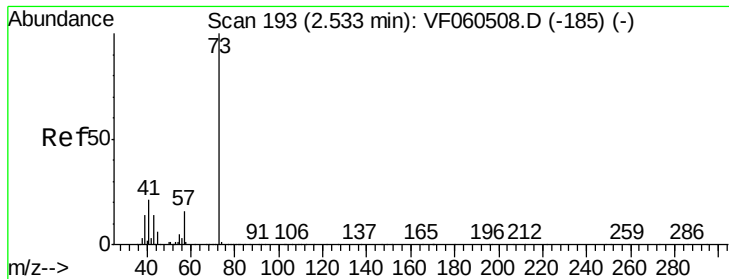
Tgt Ion: 43 Resp: 83096

Ion Ratio Lower Upper

43 100

74 17.5 12.1 18.1





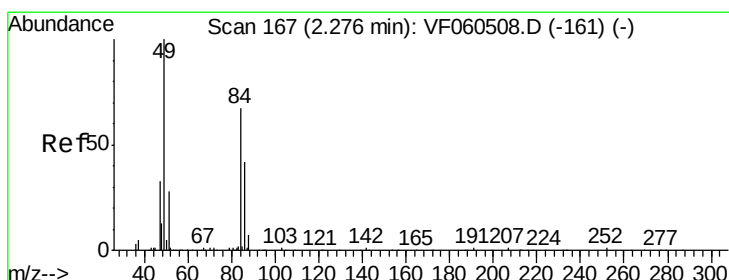
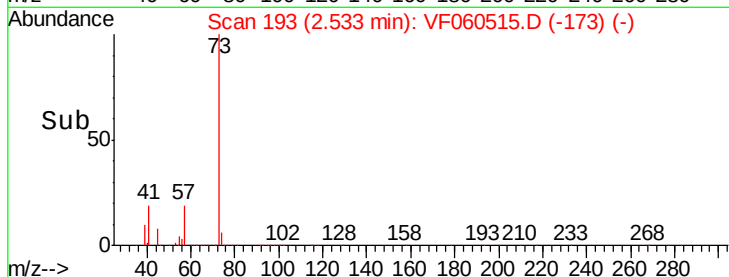
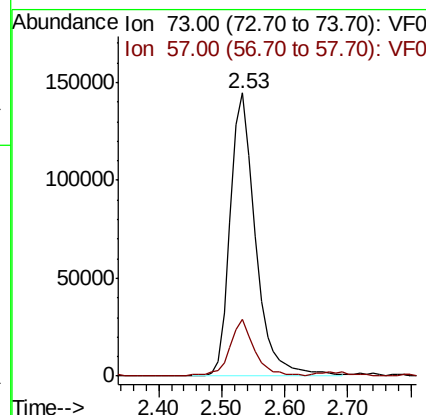
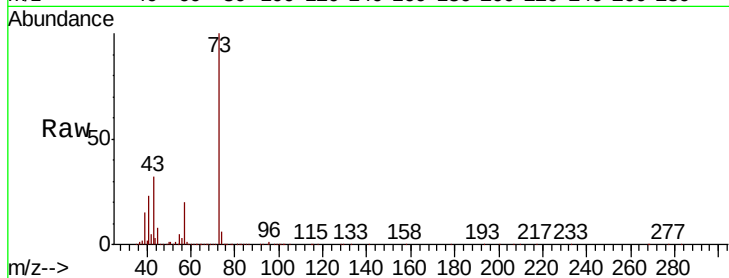
#19
Methyl tert-butyl Ether
Concen: 46.454 ug/l
RT: 2.53 min Scan# 193
Delta R.T. 0.00 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.9	13.3	19.9

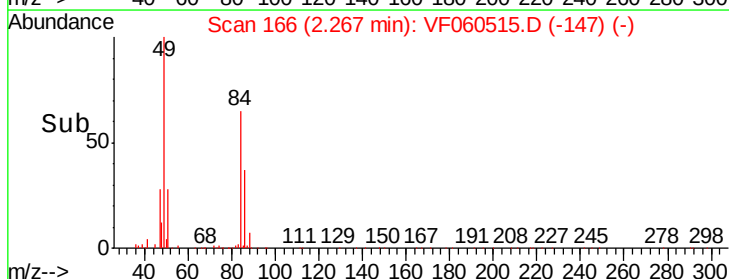
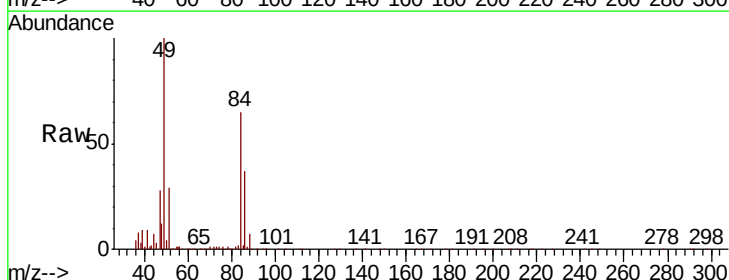
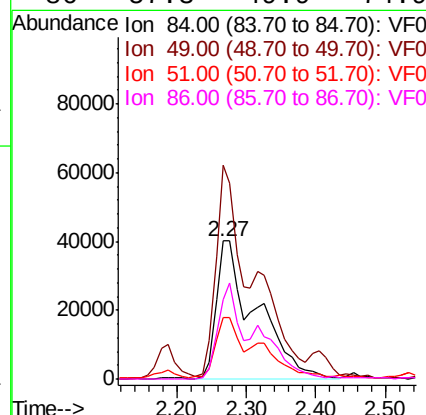
Manual Integrations
APPROVED

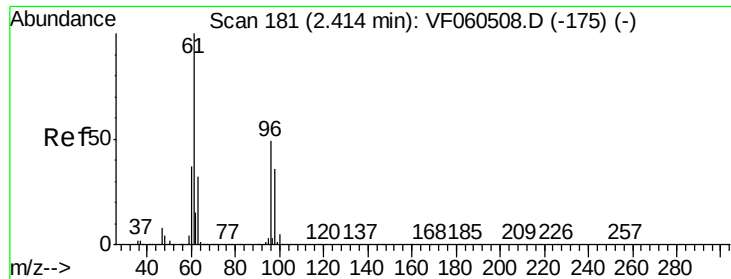
apatel
10/29/2018 12:11:58 PM



#20
Methylene Chloride
Concen: 54.474 ug/l m
RT: 2.27 min Scan# 166
Delta R.T. -0.01 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.7	123.1	184.7
51	44.5	35.3	52.9
86	57.3	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 50.395 ug/l

RT: 2.40 min Scan# 180

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

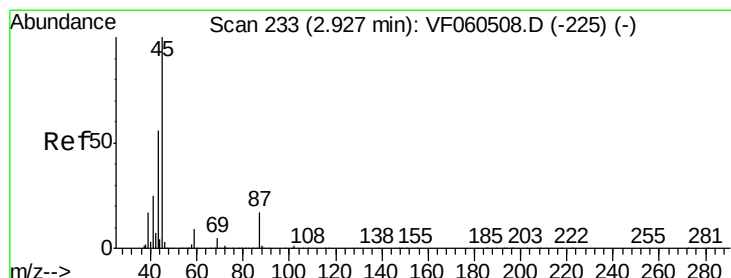
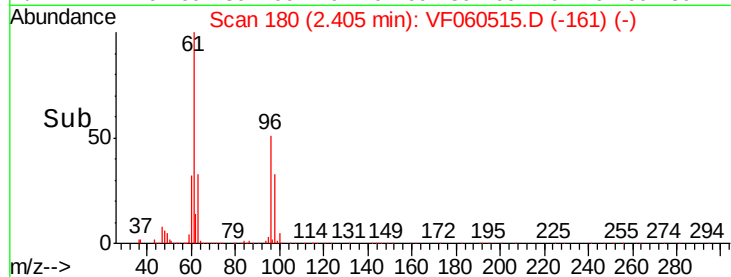
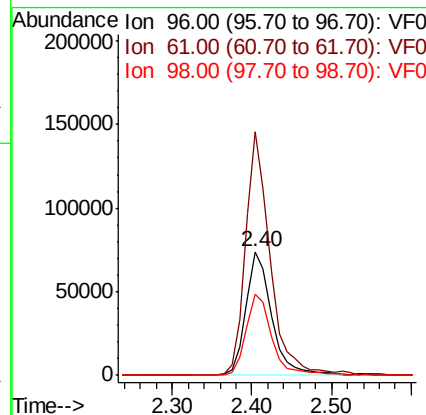
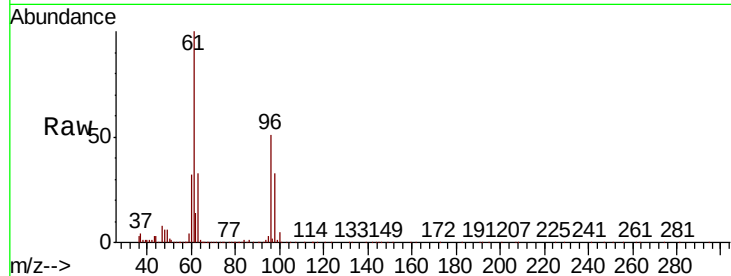
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	166218
Ion	Ratio	Lower	Upper
96	100		
61	197.5	162.5	243.7
98	65.9	58.5	87.7

Manual Integrations
APPROVED

apatel
10/29/2018 12:11:58 PM



#22

Diisopropyl ether

Concen: 52.127 ug/l

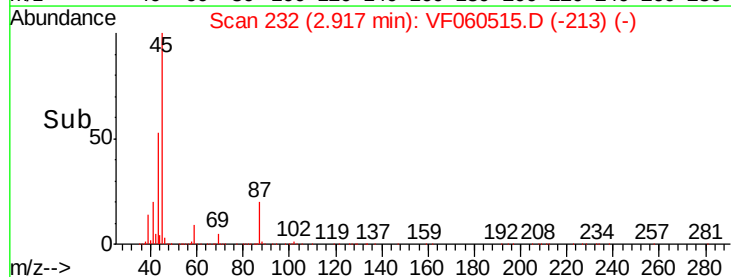
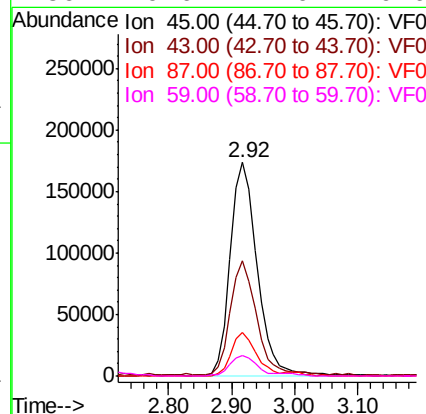
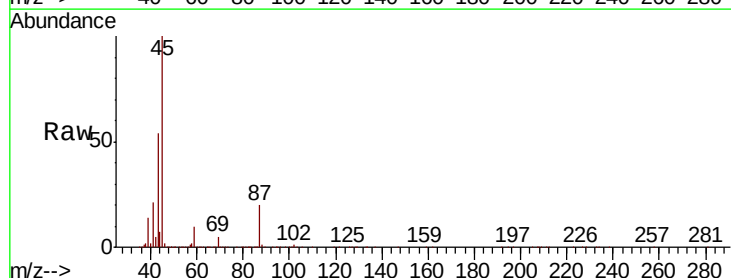
RT: 2.92 min Scan# 232

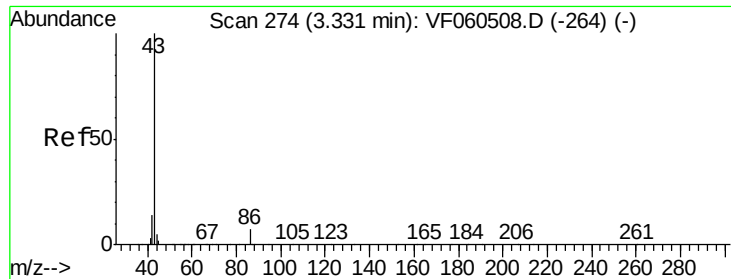
Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Tgt Ion:	45	Resp:	511689
Ion	Ratio	Lower	Upper
45	100		
43	53.9	45.2	67.8
87	20.4	13.4	20.2
59	9.6	7.0	10.6





#23

Vinyl Acetate

Concen: 275.239 ug/l

RT: 3.32 min Scan# 273

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 854618

Ion Ratio Lower Upper

43 100

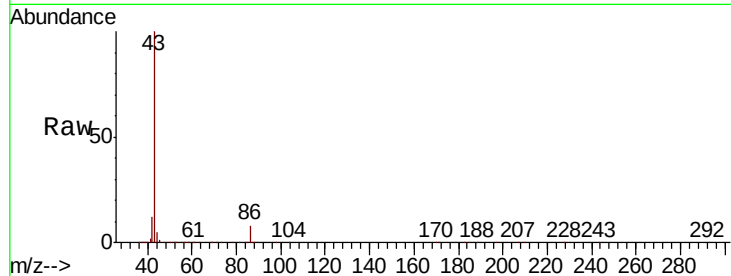
86 7.7 5.3 7.9

Manual Integrations

APPROVED

apatel

10/29/2018 12:11:58 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.32

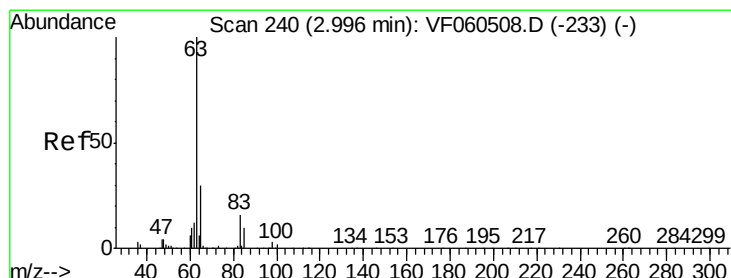
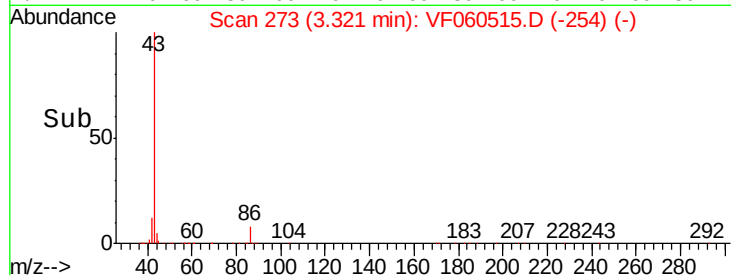
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.078 ug/l

RT: 3.00 min Scan# 240

Delta R.T. 0.00 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

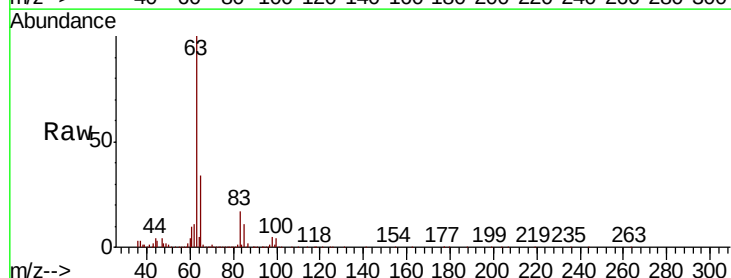
Tgt Ion: 63 Resp: 367382

Ion Ratio Lower Upper

63 100

98 5.0 1.7 5.0#

100 3.9 1.1 3.3#



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

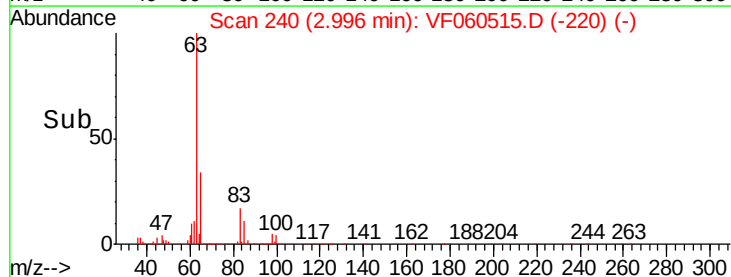
150000

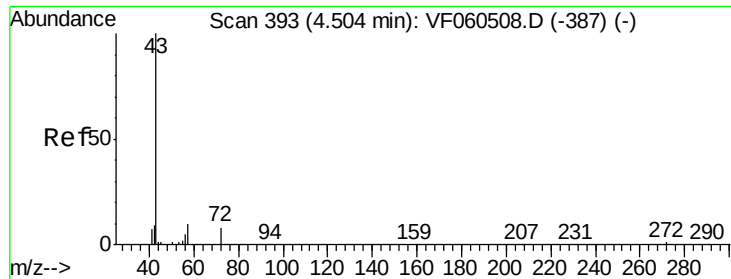
100000

50000

0

Time-->





#25

2-Butanone

Concen: 304.317 ug/l

RT: 4.49 min Scan# 392

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 260865

Ion Ratio Lower Upper

43 100

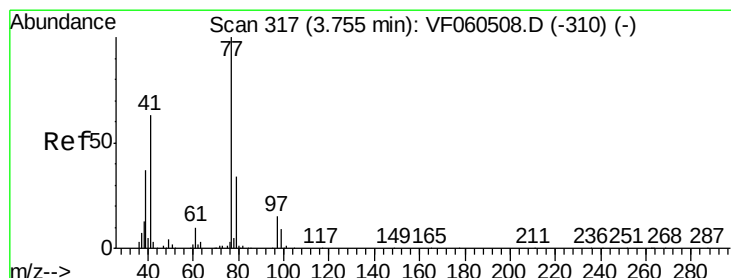
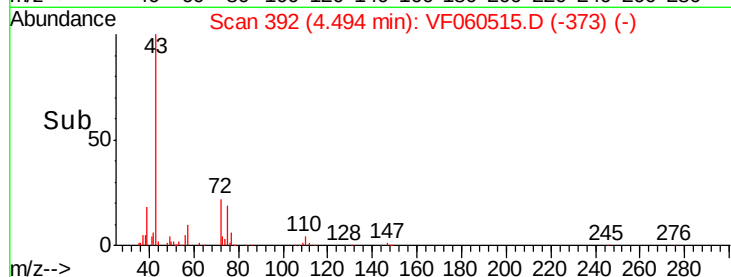
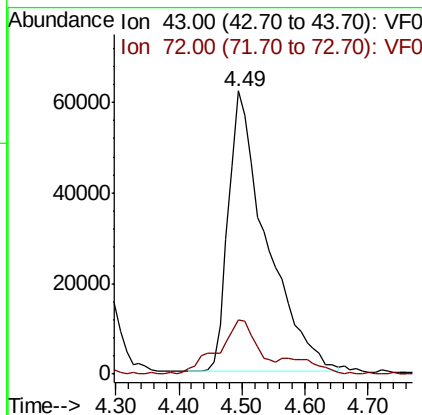
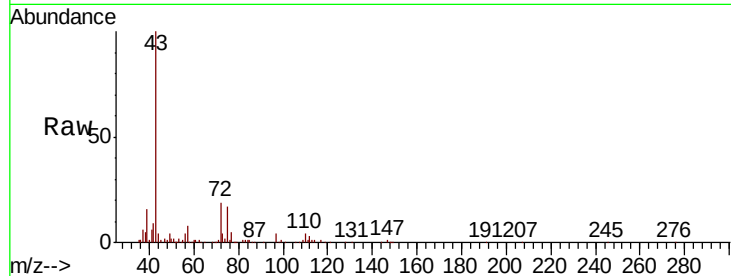
72 19.1 13.0 19.6

Manual Integrations

APPROVED

apatel

10/29/2018 12:11:58 PM



#26

2,2-Dichloropropane

Concen: 47.911 ug/l

RT: 3.76 min Scan# 317

Delta R.T. 0.00 min

Lab File: VF060515.D

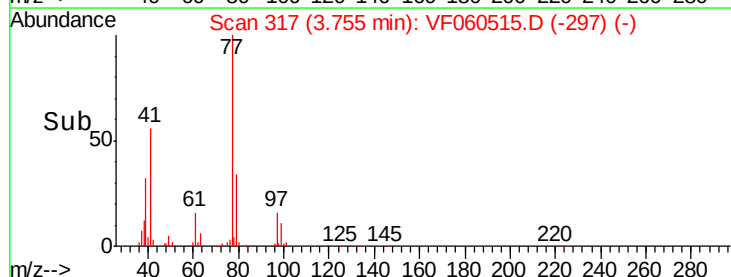
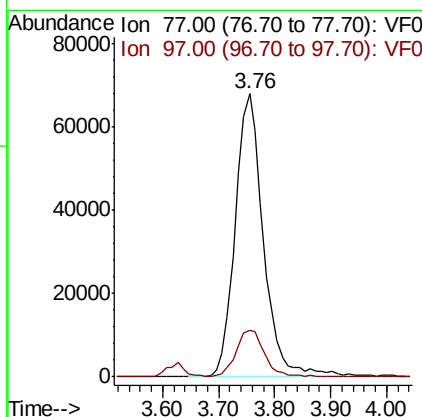
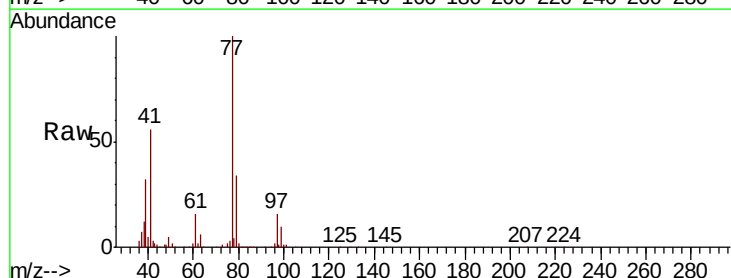
Acq: 26 Oct 2018 13:03

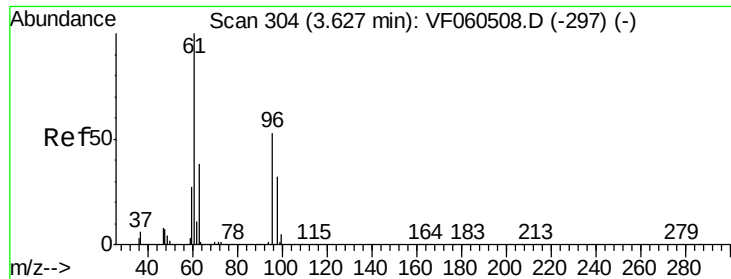
Tgt Ion: 77 Resp: 237212

Ion Ratio Lower Upper

77 100

97 16.4 7.9 23.7





#27

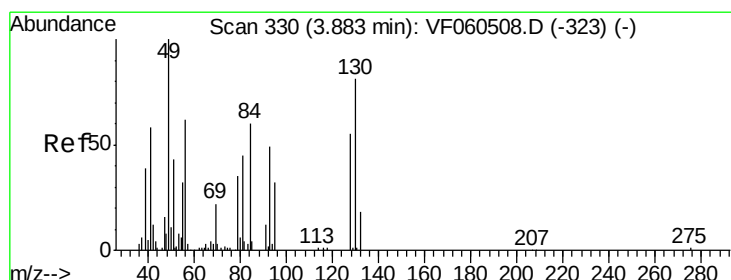
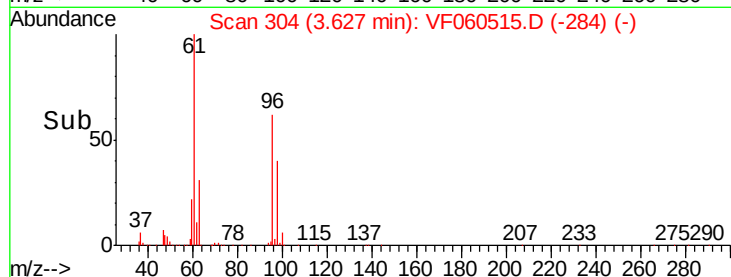
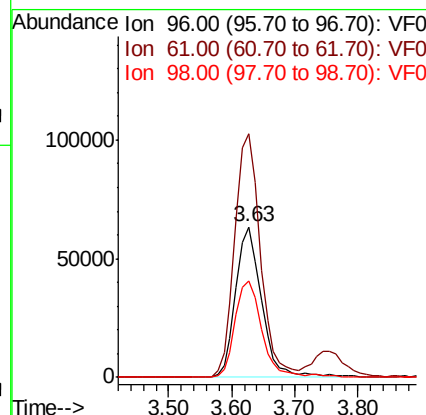
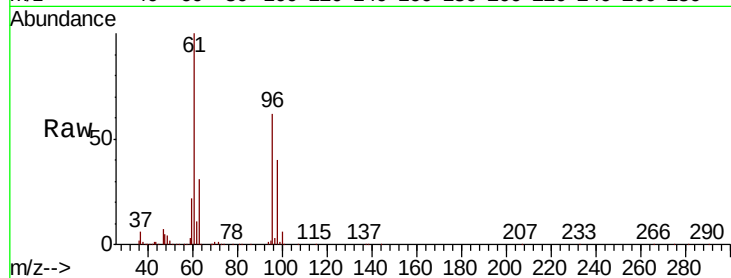
cis-1,2-Dichloroethene
Concen: 57.531 ug/l
RT: 3.63 min Scan# 304
Delta R.T. 0.00 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	181124		
61	162.0	0.0	377.0	
98	64.4	0.0	122.4	

Manual Integrations
APPROVED

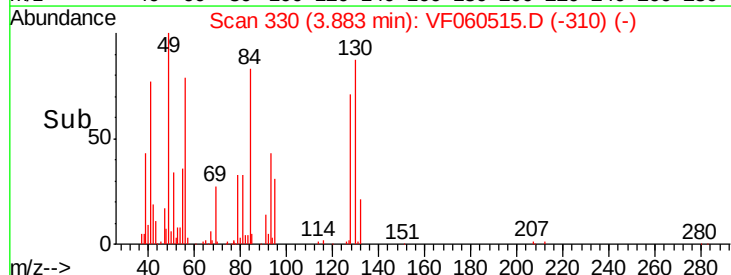
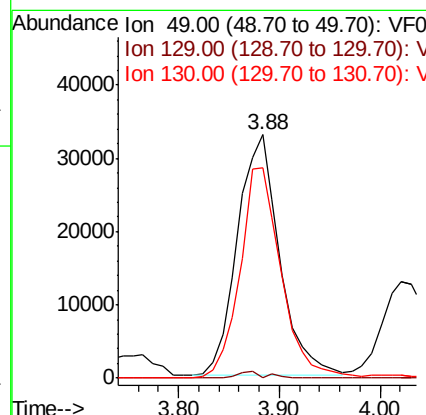
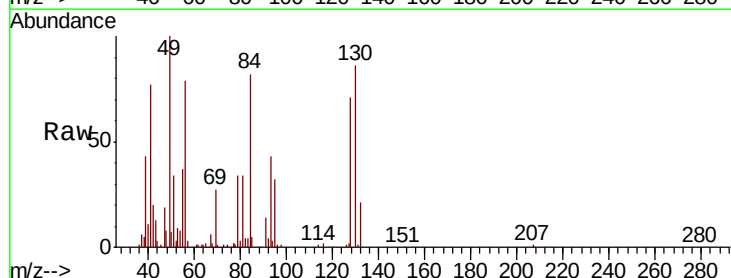
apatel
10/29/2018 12:11:58 PM

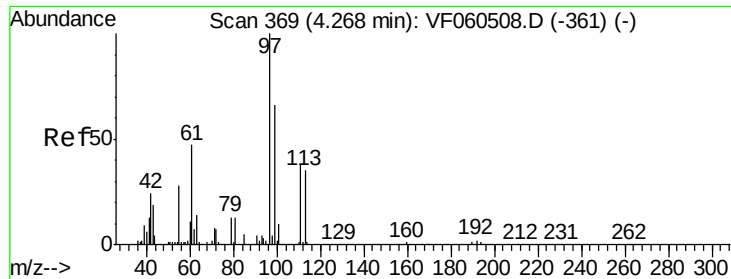


#28

Bromochloromethane
Concen: 43.487 ug/l
RT: 3.88 min Scan# 330
Delta R.T. 0.00 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	95784		
129	0.0	0.0	2.0	
130	86.4	65.0	97.4	





#29

Tetrahydrofuran

Concen: 313.511 ug/l

RT: 4.24 min Scan# 366

Delta R.T. -0.03 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

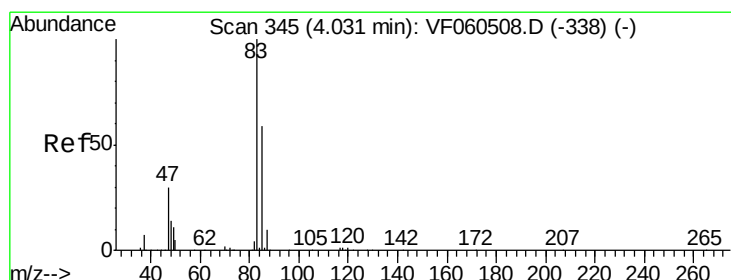
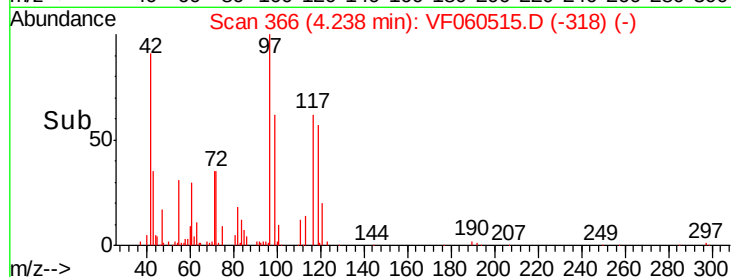
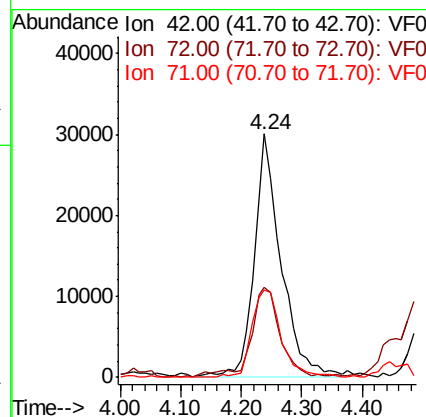
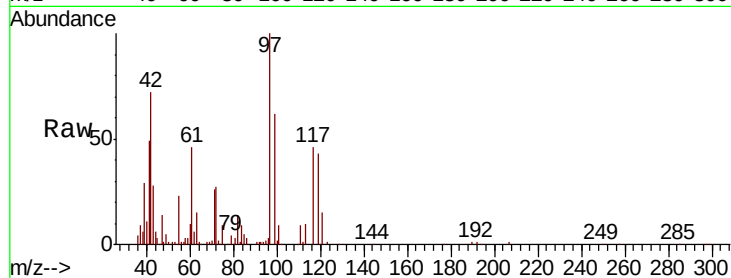
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	93033
Ion Ratio	Lower	Upper	
42	100		
72	40.6	32.1	48.1
71	39.2	29.7	44.5

Manual Integrations
APPROVED

apatel
10/29/2018 12:11:58 PM



#30

Chloroform

Concen: 49.704 ug/l

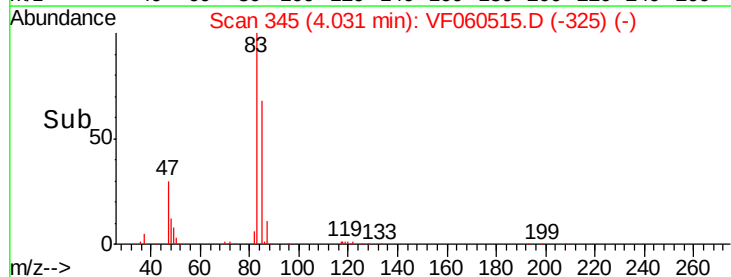
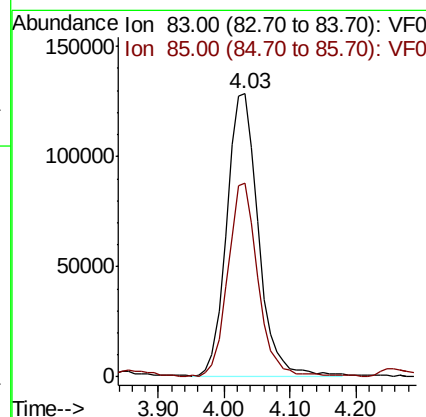
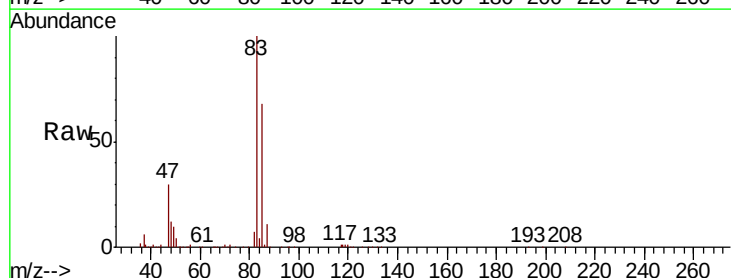
RT: 4.03 min Scan# 345

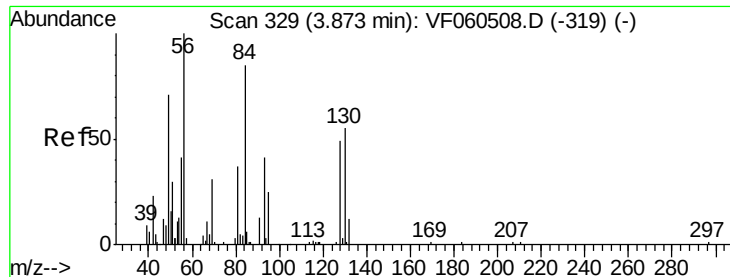
Delta R.T. 0.00 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Tgt Ion:	83	Resp:	429110
Ion Ratio	Lower	Upper	
83	100		
85	68.4	47.4	71.2





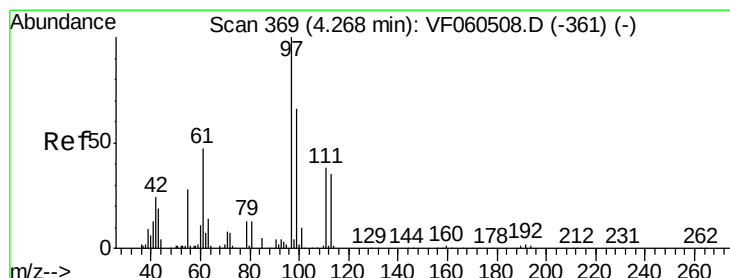
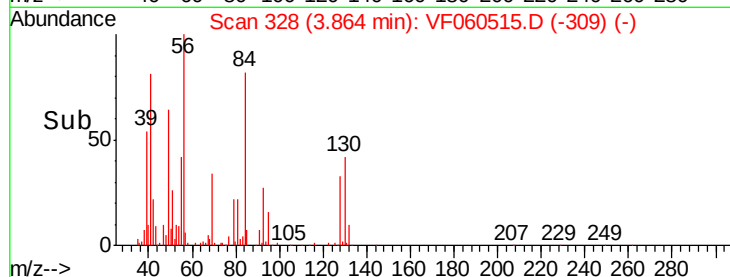
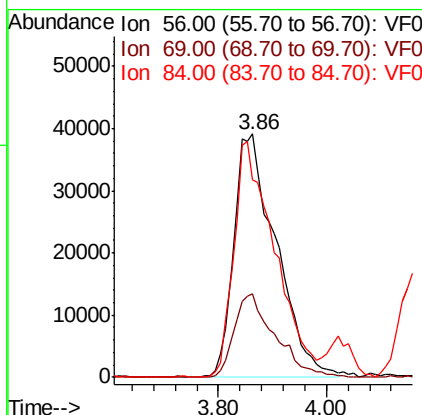
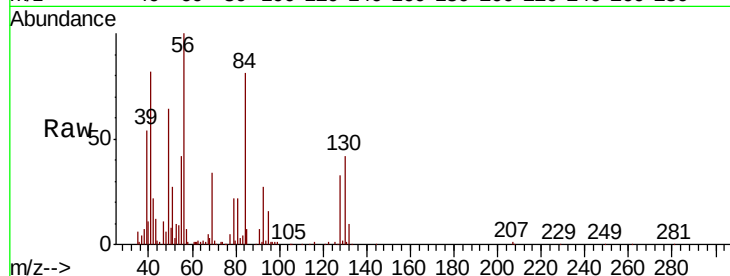
#31
Cyclohexane
Concen: 57.662 ug/l
RT: 3.86 min Scan# 328
Delta R.T. -0.01 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.2	24.6	37.0
84	81.2	68.2	102.2

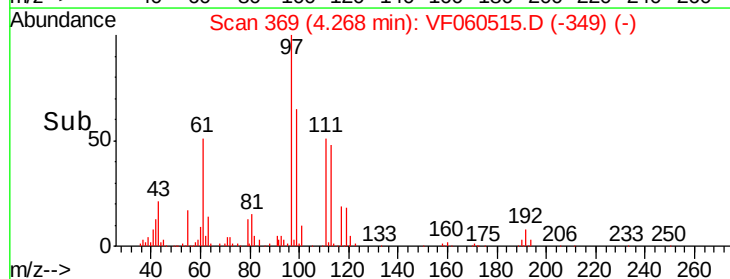
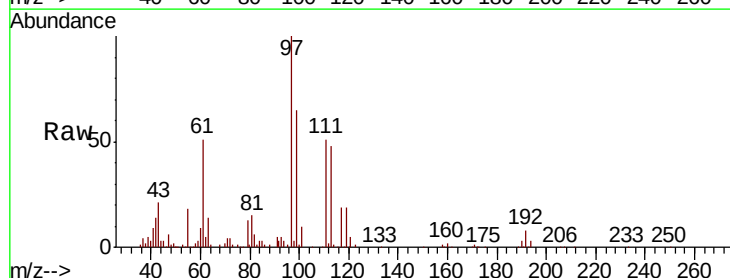
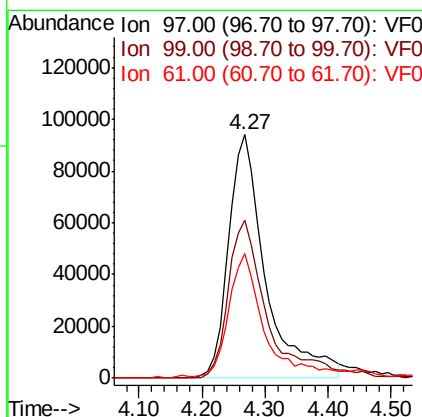
Manual Integrations
APPROVED

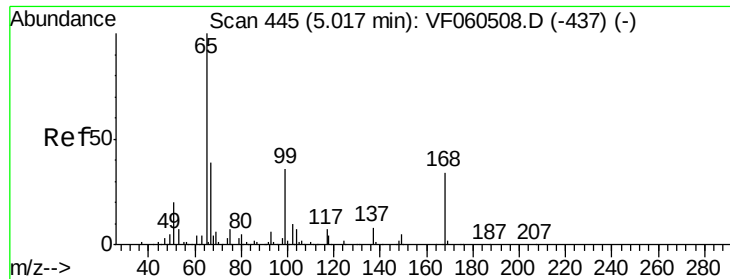
apatel
10/29/2018 12:11:58 PM



#32
1,1,1-Trichloroethane
Concen: 48.168 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	53.0	79.6
61	51.3	37.9	56.9





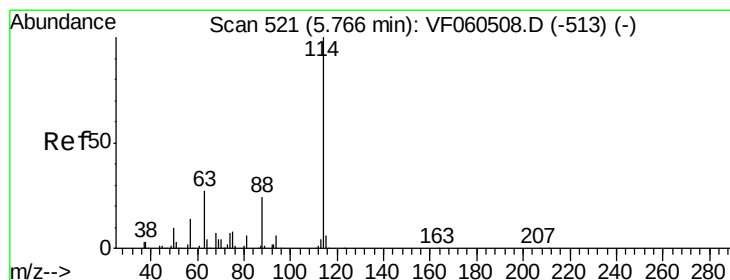
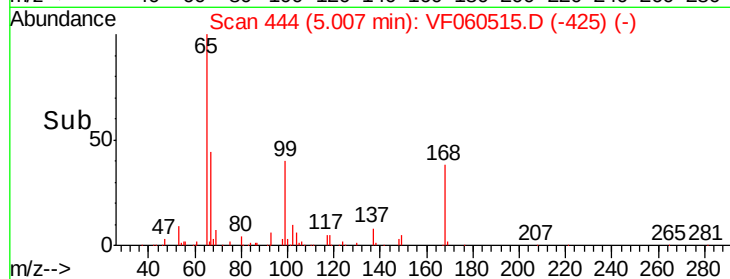
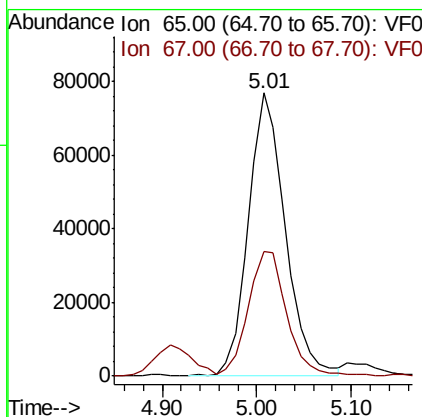
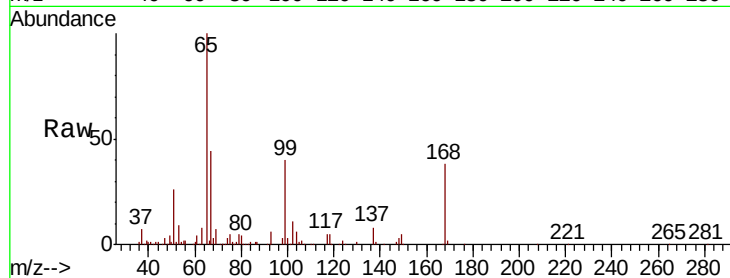
#33
 1,2-Dichloroethane-d4
 Concen: 43.130 ug/l
 RT: 5.01 min Scan# 444
 Delta R.T. -0.01 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	208190		
67	44.1	0.0	85.8	

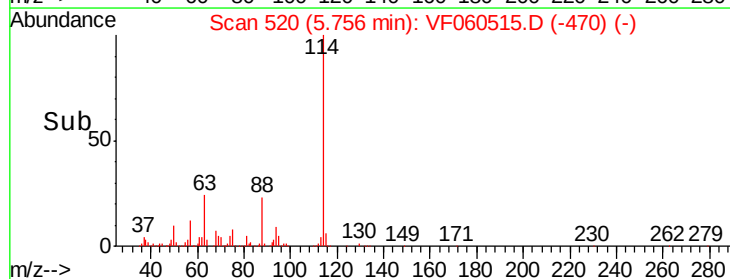
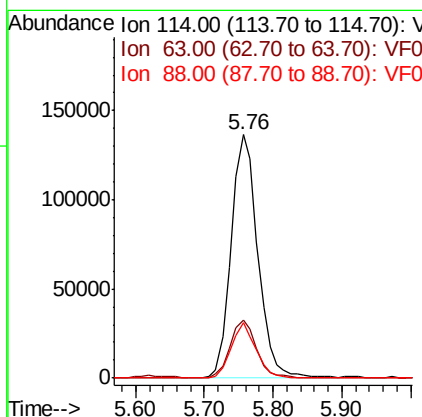
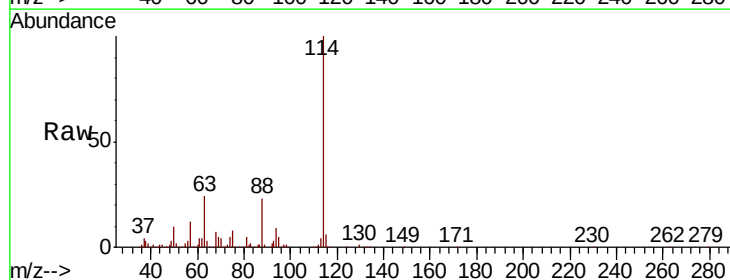
Manual Integrations
 APPROVED

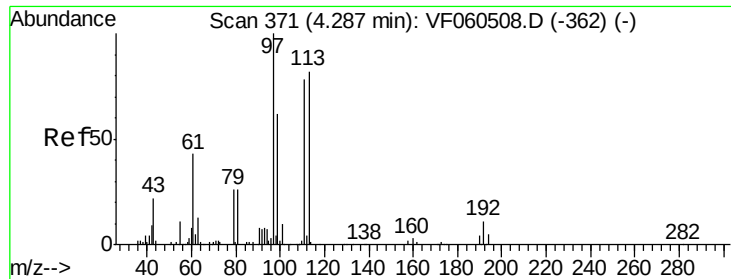
apatel
 10/29/2018 12:11:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 520
 Delta R.T. -0.01 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	366240		
63	23.9	0.0	54.4	
88	22.6	0.0	47.2	





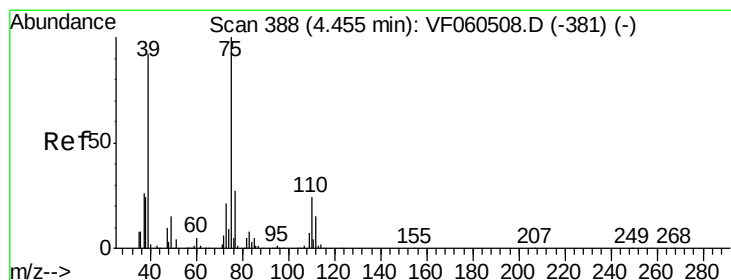
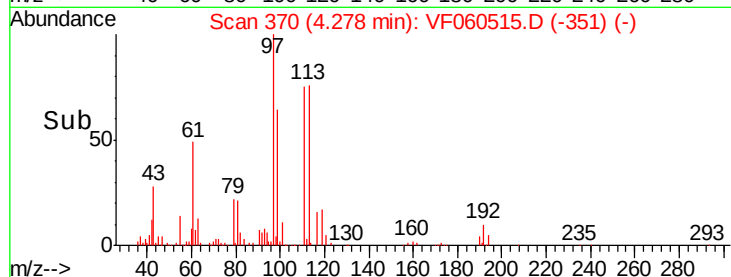
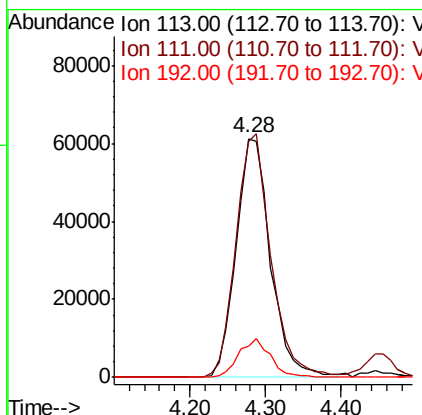
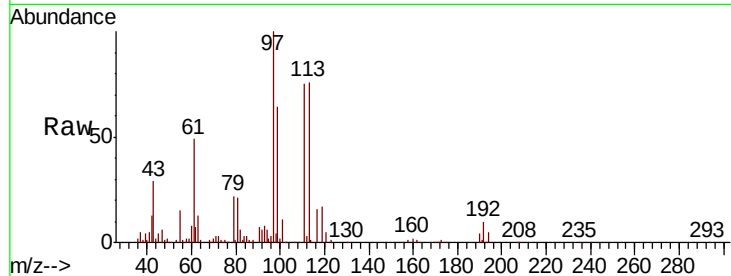
#35
 Dibromofluoromethane
 Concen: 43.992 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.01 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	193126		
111	98.5	75.9	113.9	
192	13.2	10.6	15.8	

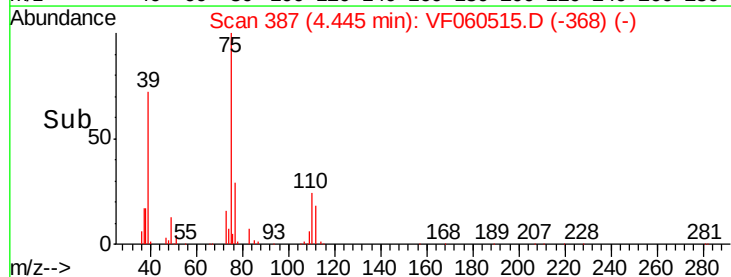
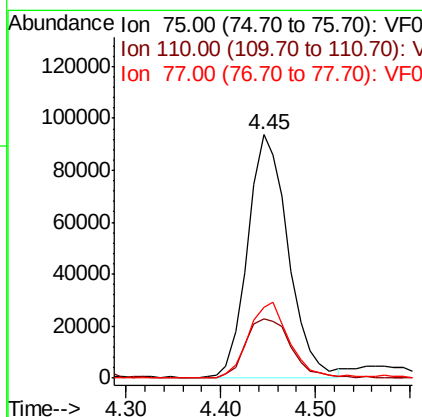
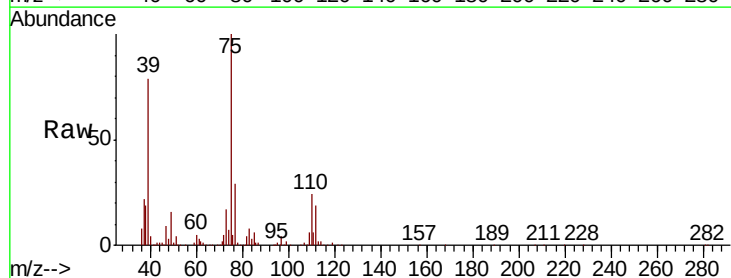
Manual Integrations
 APPROVED

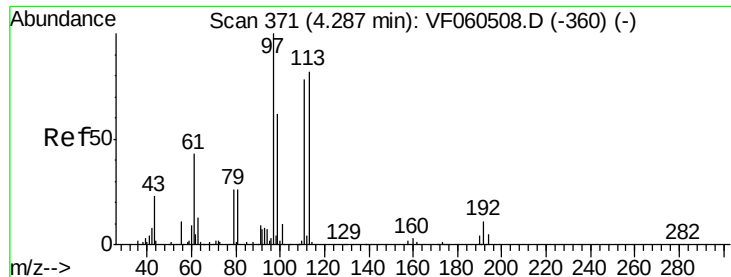
apatel
 10/29/2018 12:11:58 PM



#36
 1,1-Dichloropropene
 Concen: 51.411 ug/l
 RT: 4.45 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	278667		
110	24.1	12.1	36.3	
77	28.9	21.8	32.6	





#37

Ethyl Acetate

Concen: 59.294 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

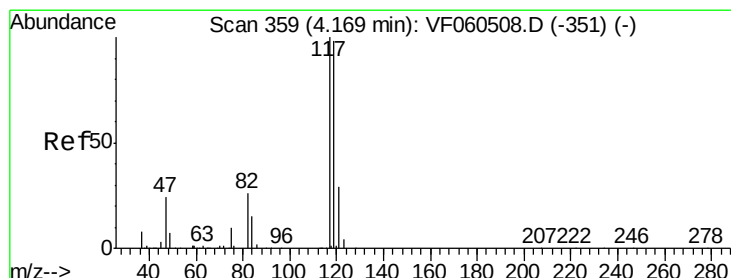
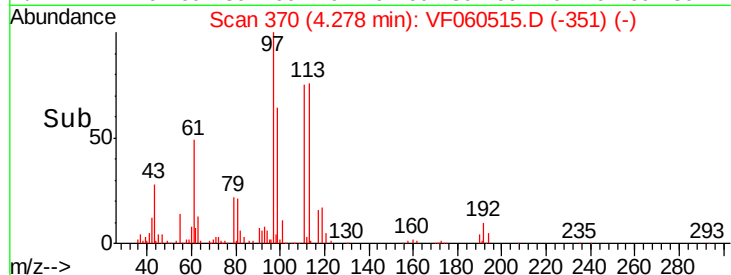
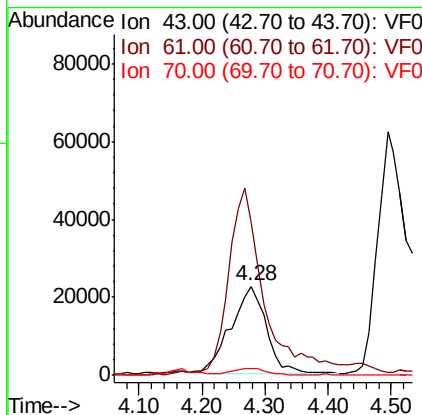
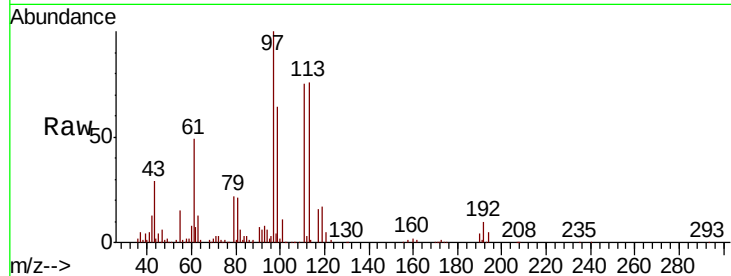
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	86852
Ion	Ratio	Lower	Upper
43	100		
61	170.8	148.5	222.7
70	7.6	4.7	7.1#

Manual Integrations
APPROVED

apatel
10/29/2018 12:11:58 PM



#38

Carbon Tetrachloride

Concen: 51.269 ug/l

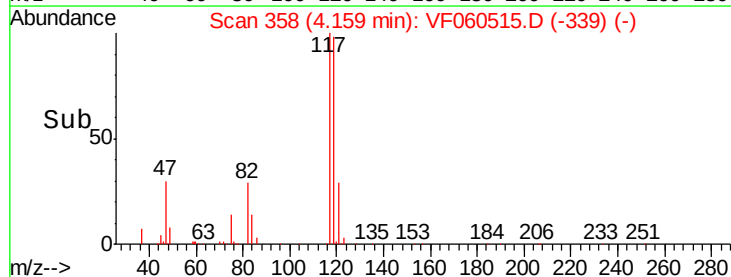
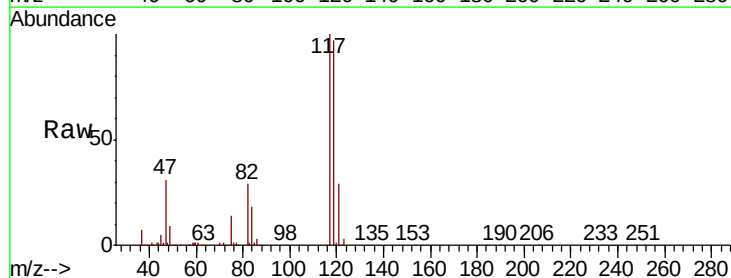
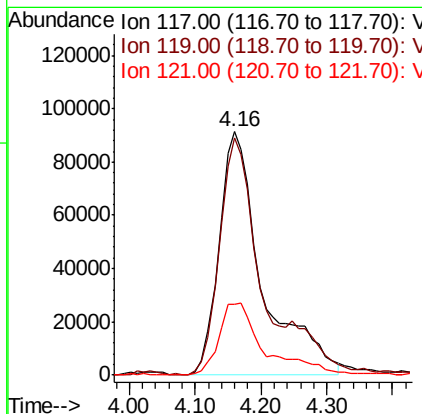
RT: 4.16 min Scan# 358

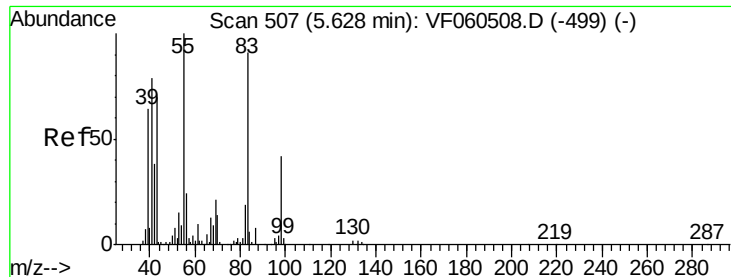
Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Tgt Ion:	117	Resp:	420528
Ion	Ratio	Lower	Upper
117	100		
119	97.5	78.3	117.5
121	28.9	23.3	34.9





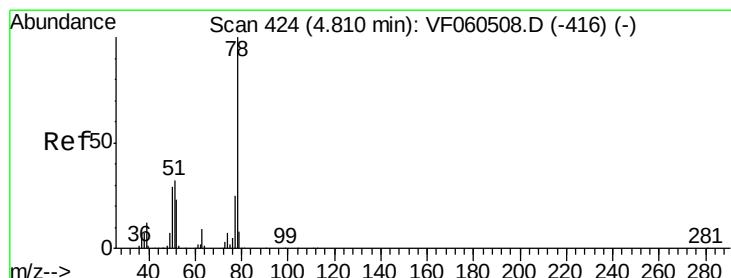
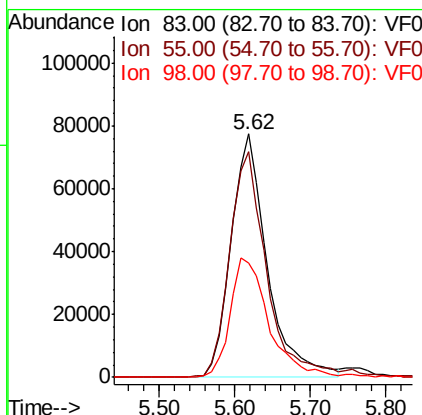
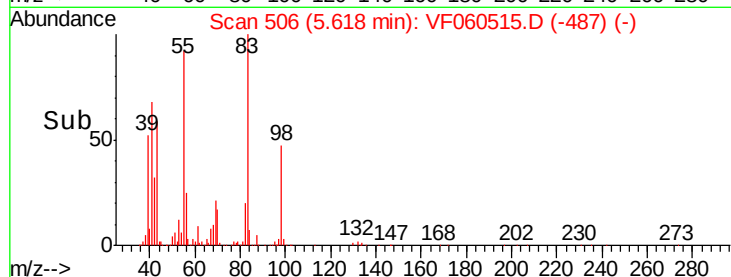
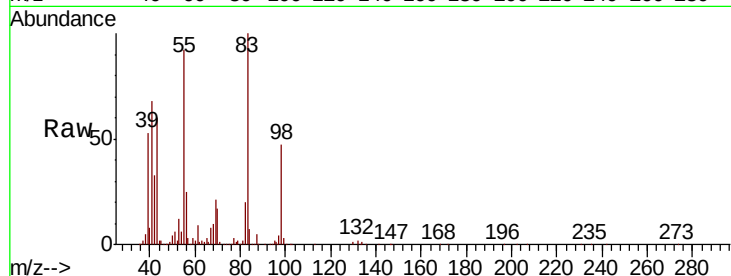
#39
Methylcyclohexane
Concen: 58.034 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.01 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.4	87.9	131.9
98	46.8	37.0	55.6

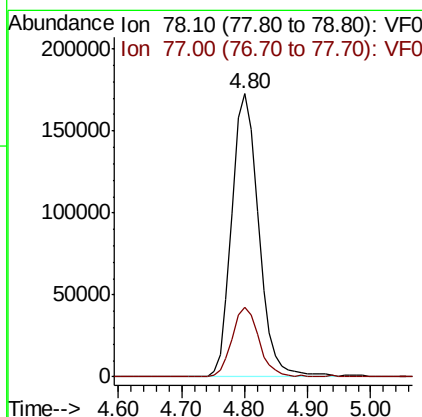
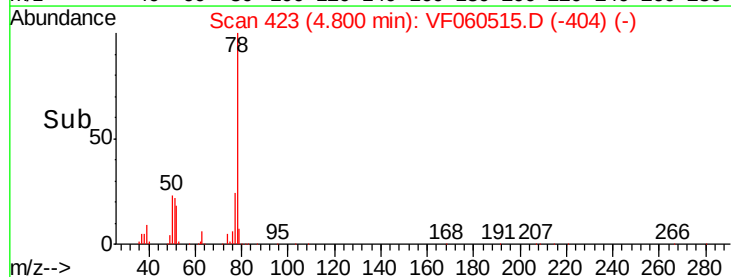
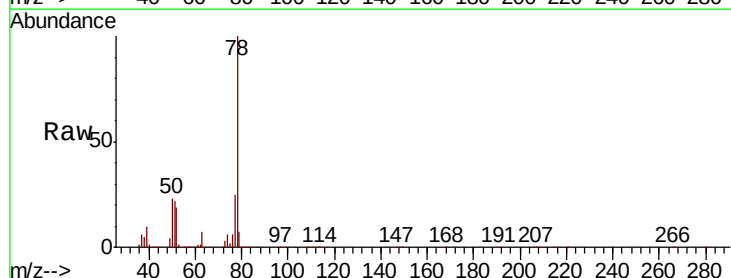
Manual Integrations
APPROVED

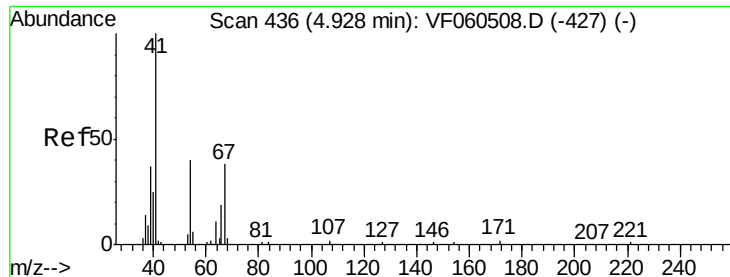
apatel
10/29/2018 12:11:58 PM



#40
Benzene
Concen: 57.379 ug/l
RT: 4.80 min Scan# 423
Delta R.T. -0.01 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	20.2	30.4





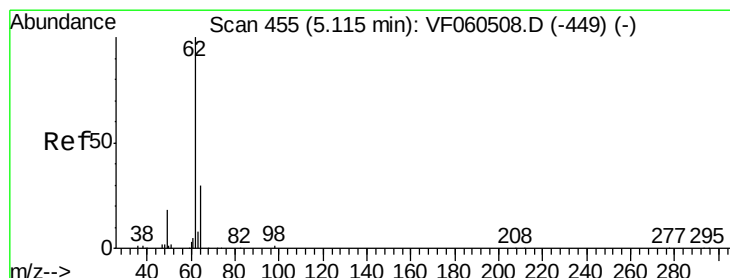
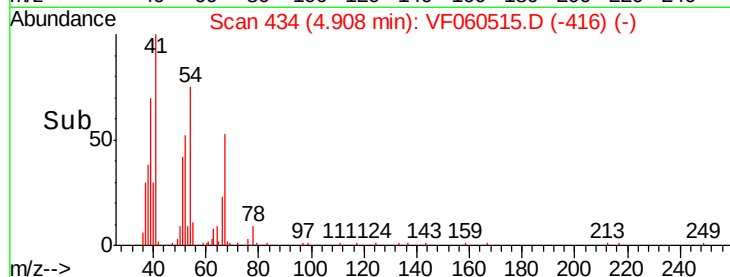
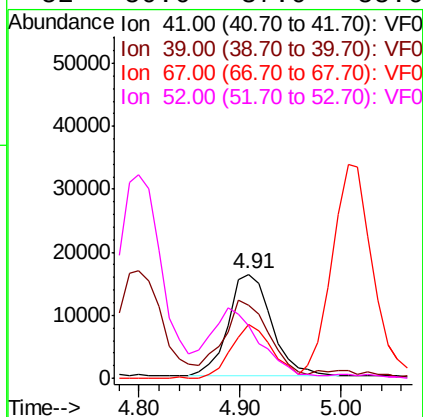
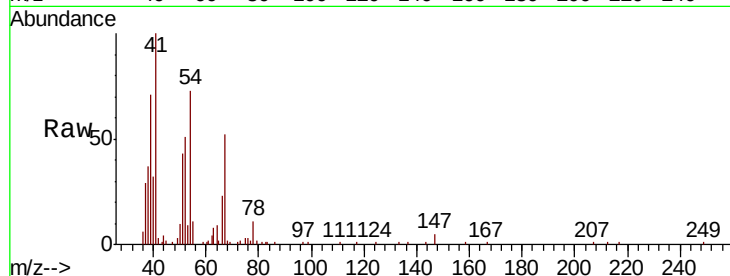
#41
Methacrylonitrile
Concen: 53.596 ug/l
RT: 4.91 min Scan# 434
Delta R.T. -0.02 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		48711		
39	70.8	55.2	82.8		
67	51.7	29.8	44.8#		
52	50.6	37.0	55.6		

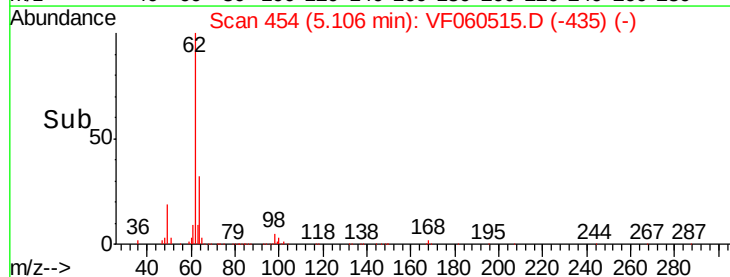
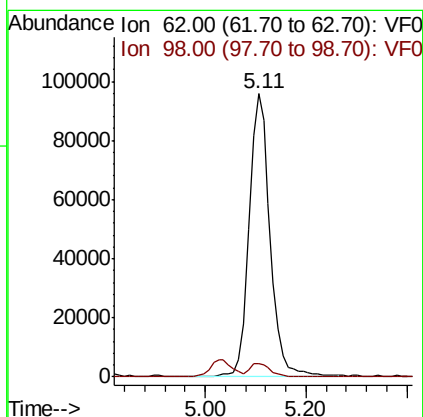
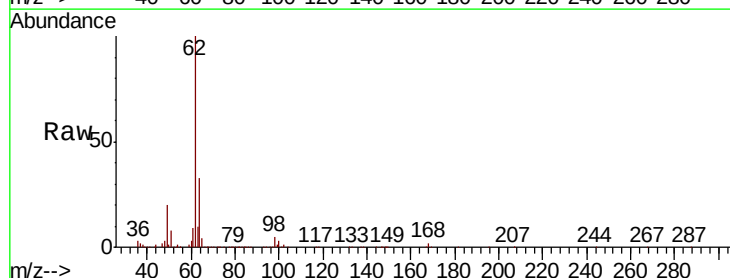
Manual Integrations
APPROVED

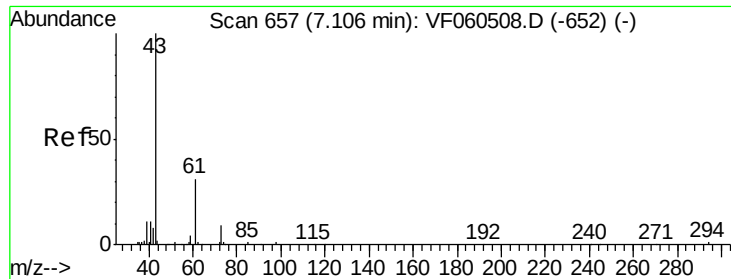
apatel
10/29/2018 12:11:58 PM



#42
1,2-Dichloroethane
Concen: 48.424 ug/l
RT: 5.11 min Scan# 454
Delta R.T. -0.01 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		279146		
98	4.7	0.0	9.4		





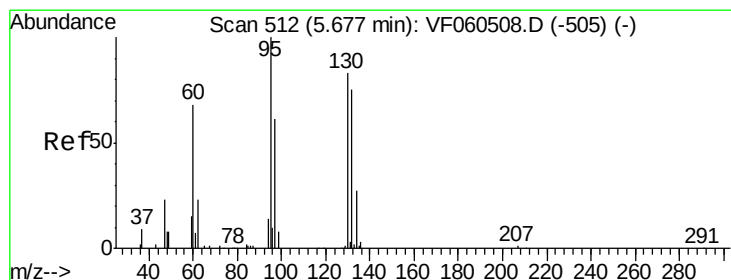
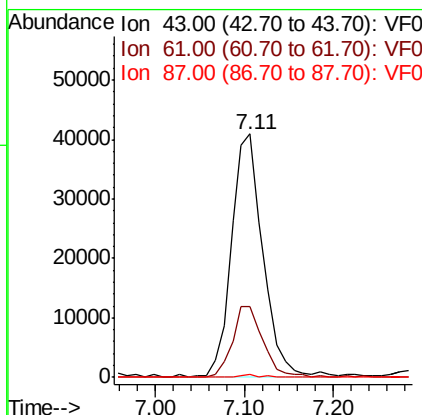
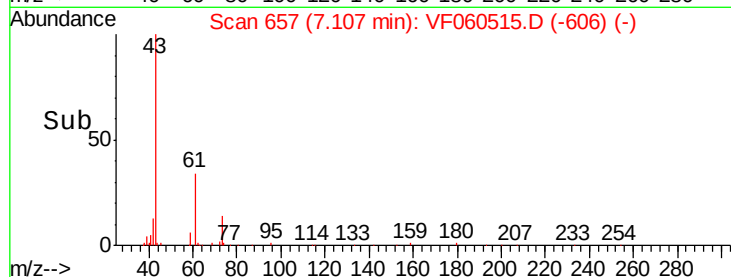
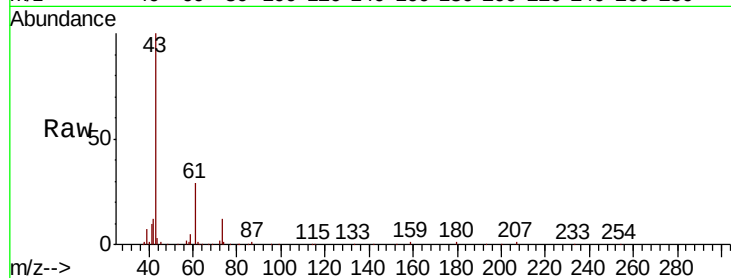
#43
Isopropyl Acetate
Concen: 54.129 ug/l
RT: 7.11 min Scan# 657
Delta R.T. 0.00 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.1	24.4	36.6
87	1.0	0.0	0.0#

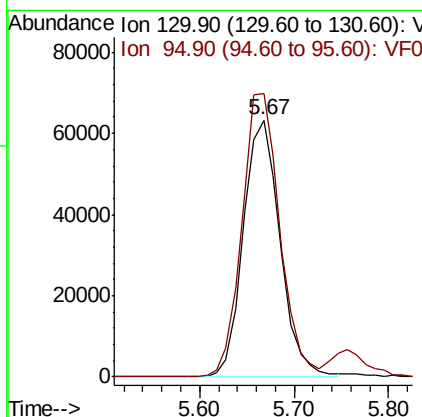
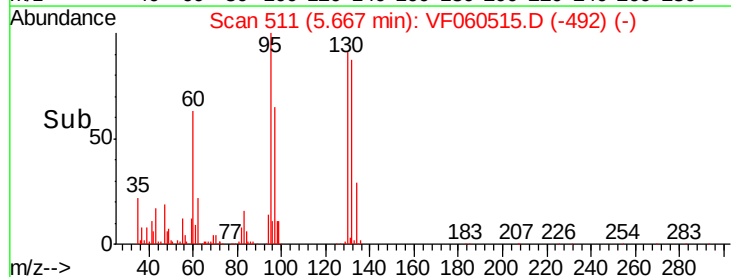
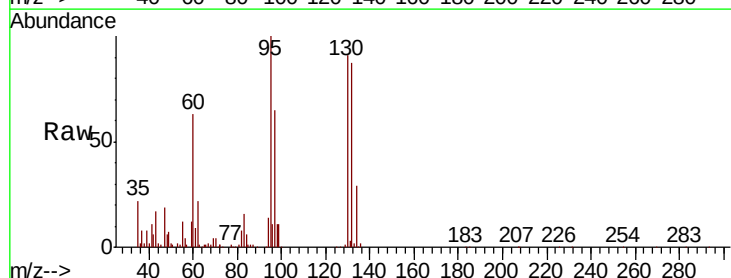
Manual Integrations
APPROVED

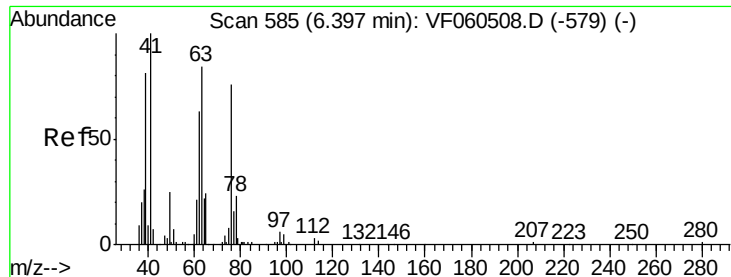
apatel
10/29/2018 12:11:58 PM



#44
Trichloroethene
Concen: 54.912 ug/l
RT: 5.67 min Scan# 511
Delta R.T. -0.01 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.1	0.0	242.8





#45

1,2-Dichloropropane

Concen: 51.841 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 117071

Ion Ratio Lower Upper

63 100

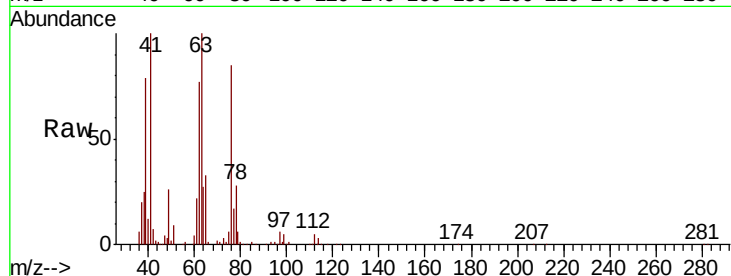
65 32.6 22.7 34.1

Manual Integrations

APPROVED

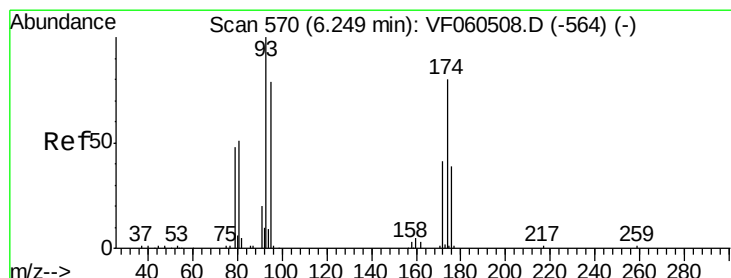
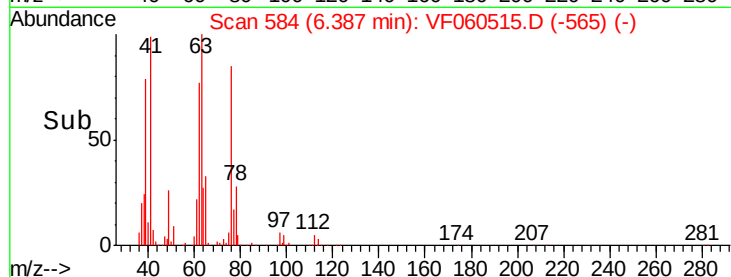
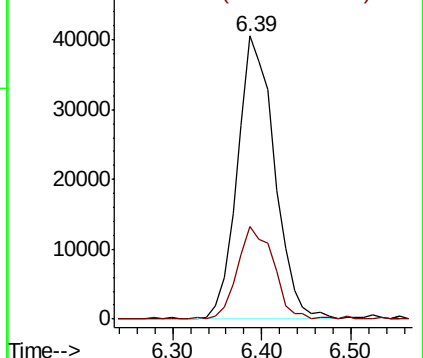
apatel

10/29/2018 12:11:58 PM



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 48.430 ug/l

RT: 6.25 min Scan# 570

Delta R.T. 0.00 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

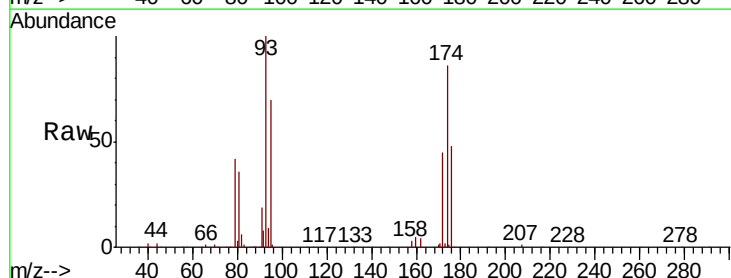
Tgt Ion: 93 Resp: 102630

Ion Ratio Lower Upper

93 100

95 70.9 63.8 95.8

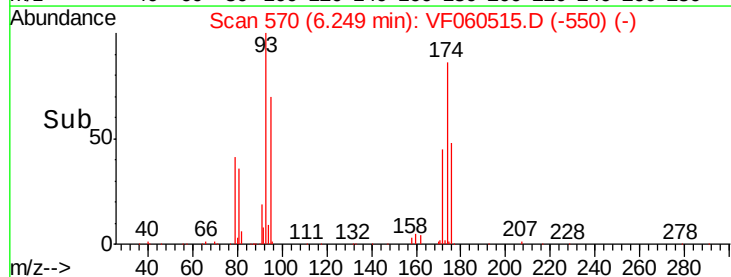
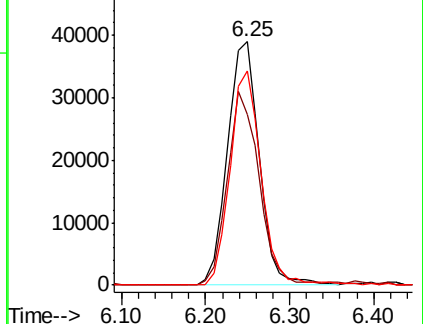
174 87.8 64.9 97.3

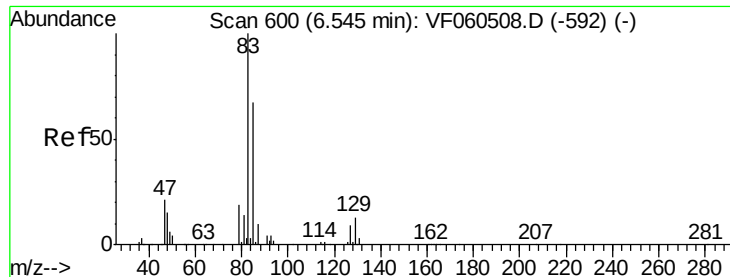


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 46.443 ug/l

RT: 6.53 min Scan# 599

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

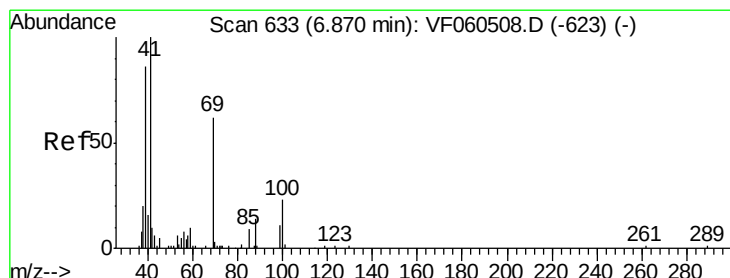
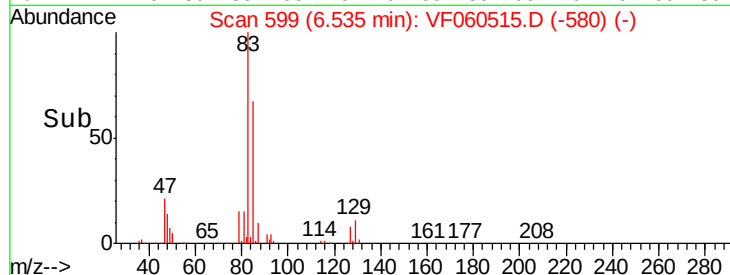
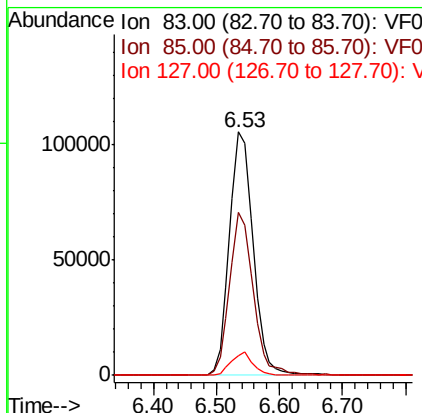
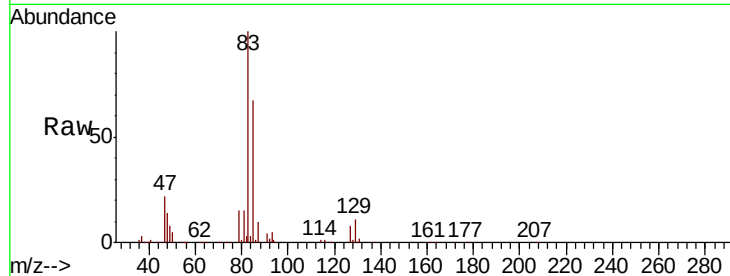
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	276111
Ion Ratio	Lower	Upper	
83	100		
85	66.9	53.4	80.0
127	8.0	6.9	10.3

Manual Integrations
APPROVED

apatel
10/29/2018 12:11:58 PM



#48

Methyl methacrylate

Concen: 50.358 ug/l

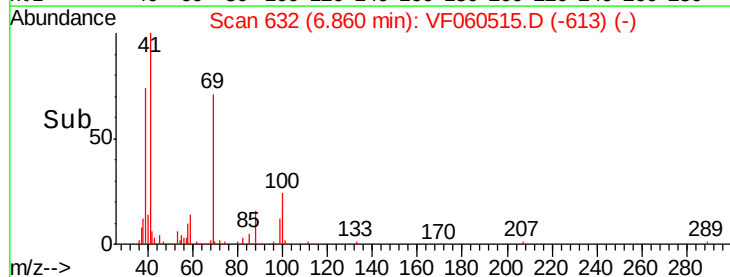
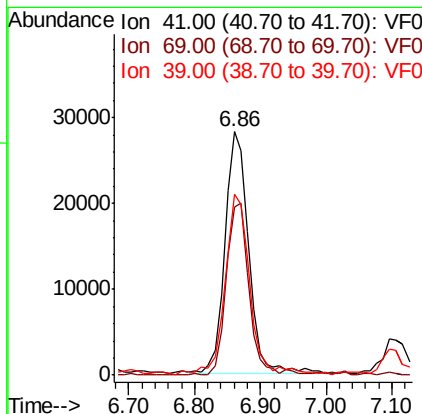
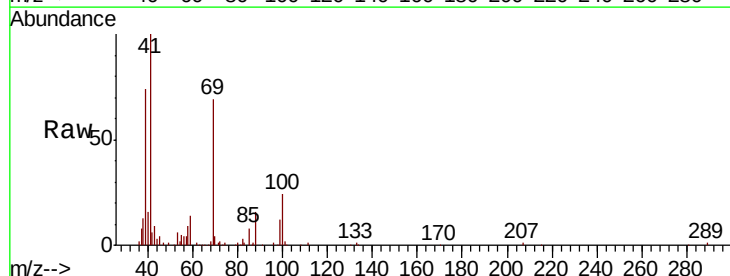
RT: 6.86 min Scan# 632

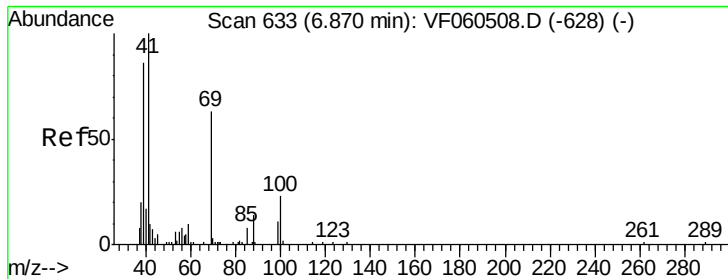
Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Tgt Ion:	41	Resp:	70913
Ion Ratio	Lower	Upper	
41	100		
69	68.9	49.6	74.4
39	74.3	69.4	104.2





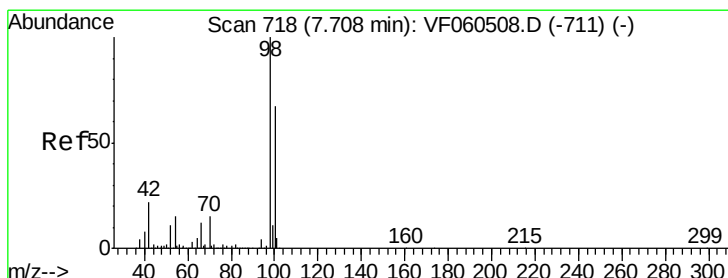
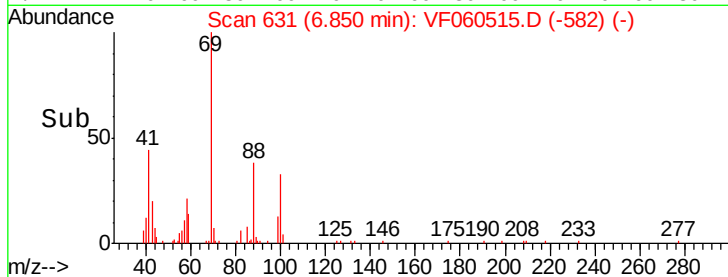
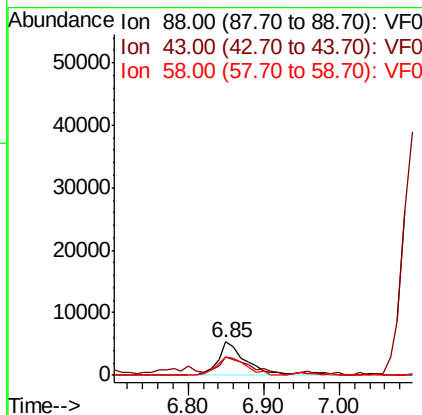
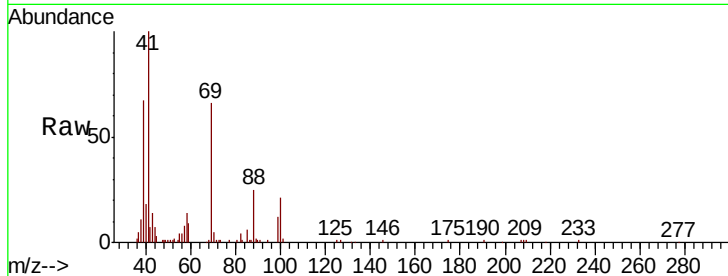
#49
1,4-Dioxane
Concen: 1159.490 ug/l
RT: 6.85 min Scan# 631
Delta R.T. -0.02 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	14068
Ion	Ratio	Lower	Upper
88	100		
43	57.4	39.3	58.9
58	55.5	35.0	52.6

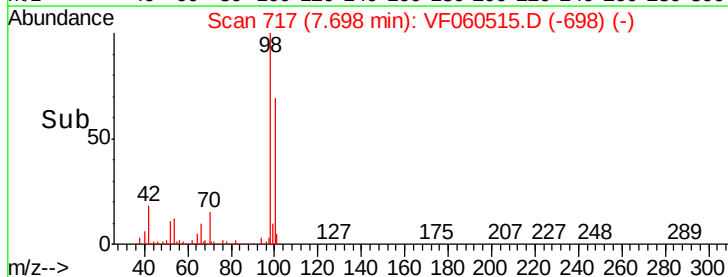
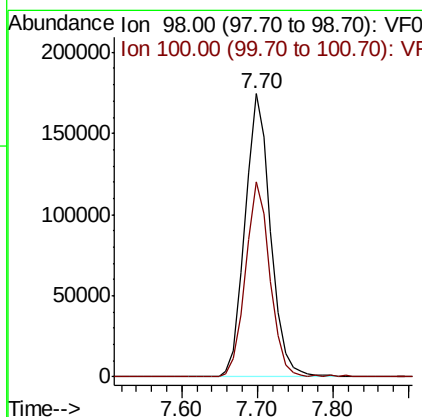
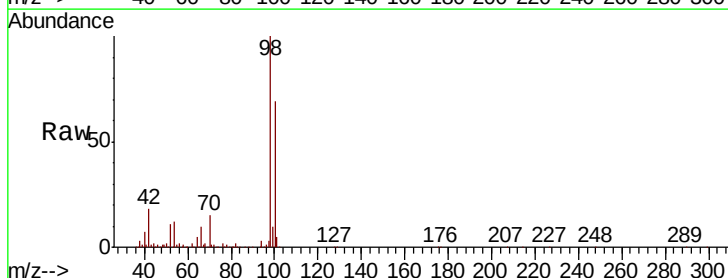
Manual Integrations
APPROVED

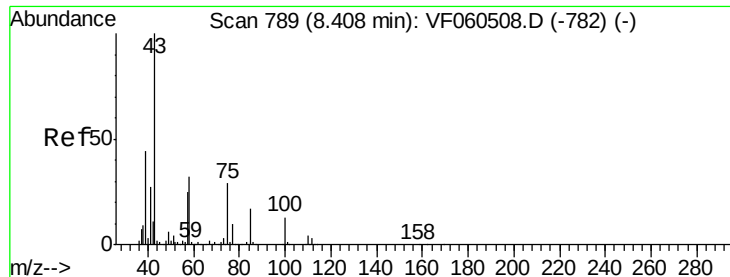
apatel
10/29/2018 12:11:58 PM



#50
Toluene-d8
Concen: 46.362 ug/l
RT: 7.70 min Scan# 717
Delta R.T. -0.01 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Tgt Ion	98	Resp	408453
Ion	Ratio	Lower	Upper
98	100		
100	68.8	53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 259.029 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 378004

Ion Ratio Lower Upper

43 100

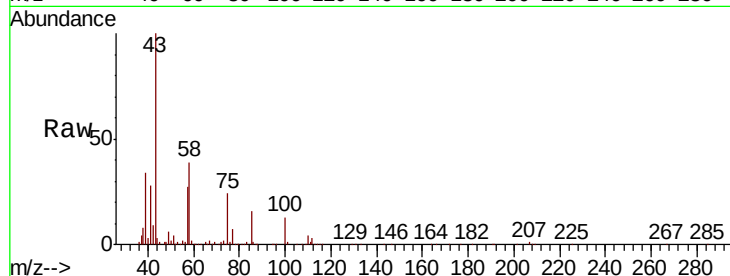
58 38.8 25.4 38.2#

Manual Integrations

APPROVED

apatel

10/29/2018 12:11:58 PM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

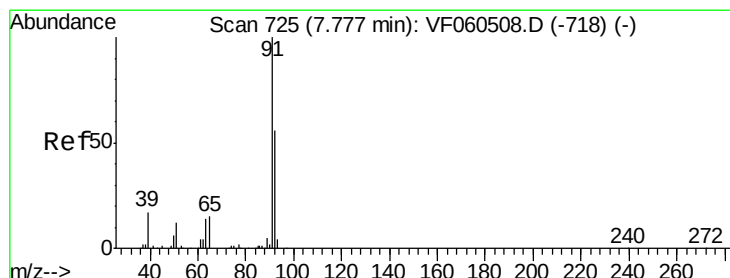
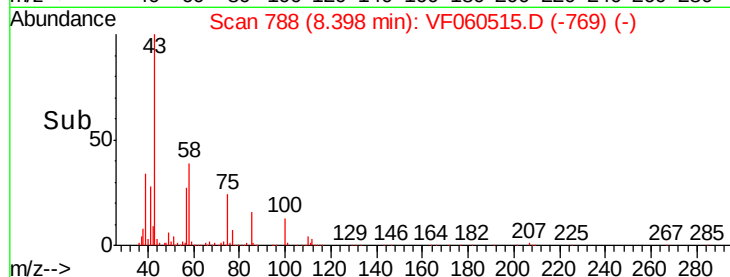
100000

50000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 56.247 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060515.D

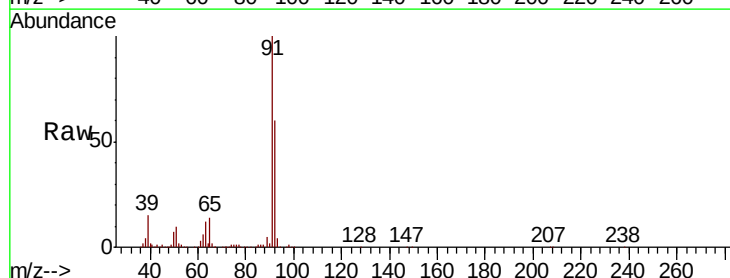
Acq: 26 Oct 2018 13:03

Tgt Ion: 92 Resp: 329835

Ion Ratio Lower Upper

92 100

91 165.3 143.8 215.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

250000

200000

150000

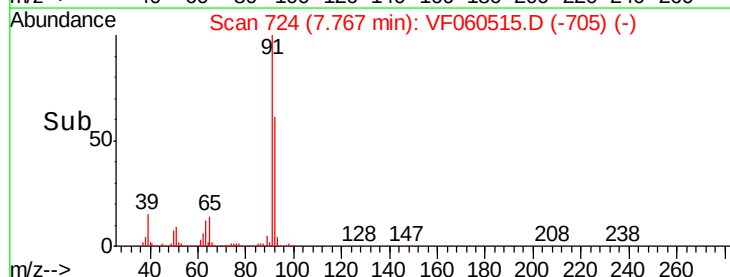
100000

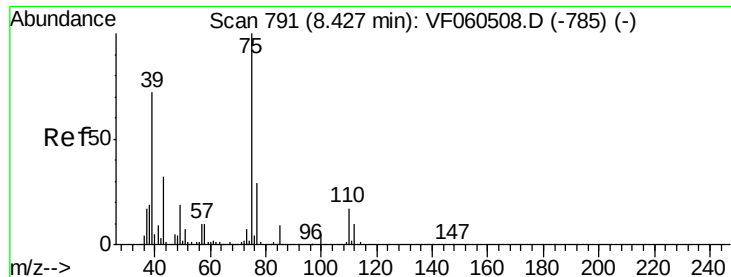
50000

0

7.60 7.70 7.80 7.90 8.00

Time-->





#53

t-1,3-Dichloropropene

Concen: 46.763 ug/l

RT: 8.42 min Scan# 790

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 205858

Ion Ratio Lower Upper

75 100

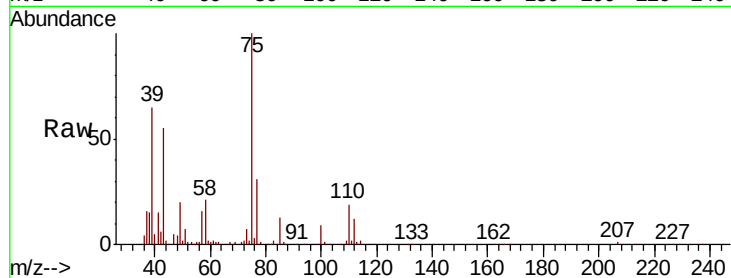
77 30.9 23.7 35.5

Manual Integrations

APPROVED

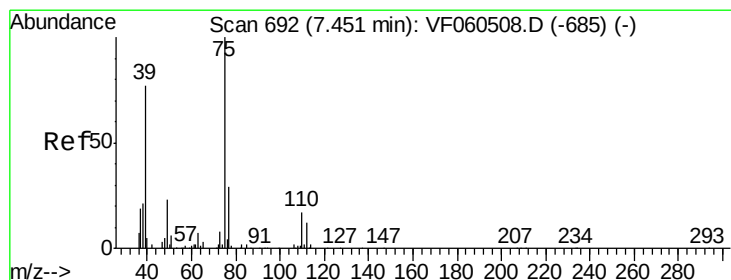
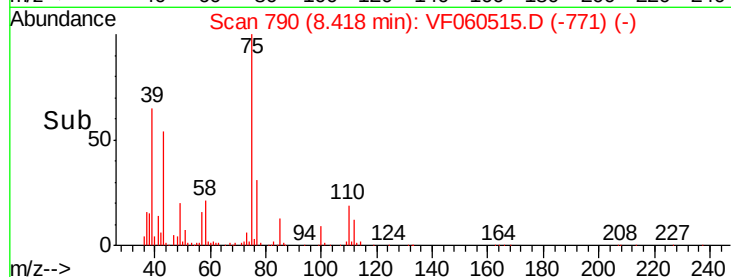
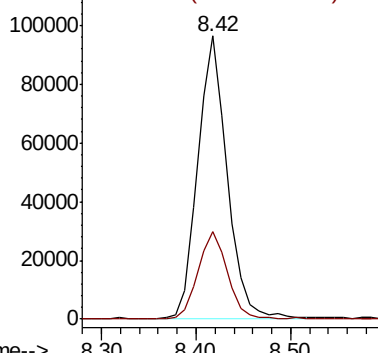
apatel

10/29/2018 12:11:58 PM



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 53.044 ug/l

RT: 7.45 min Scan# 692

Delta R.T. 0.00 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

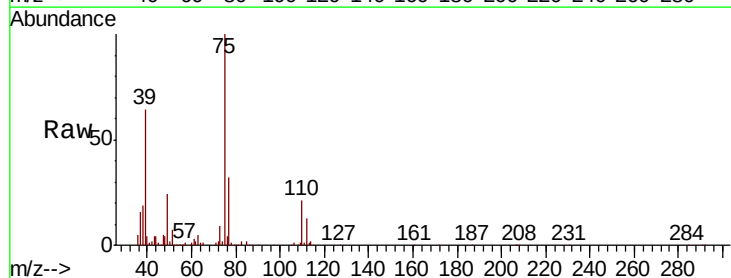
Tgt Ion: 75 Resp: 240548

Ion Ratio Lower Upper

75 100

77 32.2 23.6 35.4

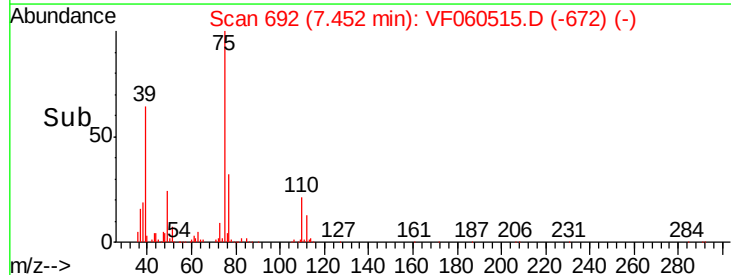
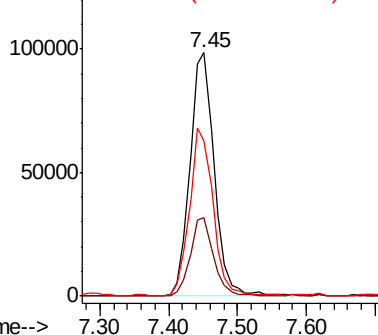
39 63.8 61.6 92.4

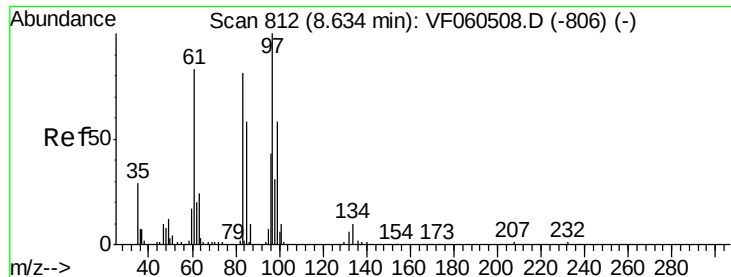


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 54.392 ug/l

RT: 8.62 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

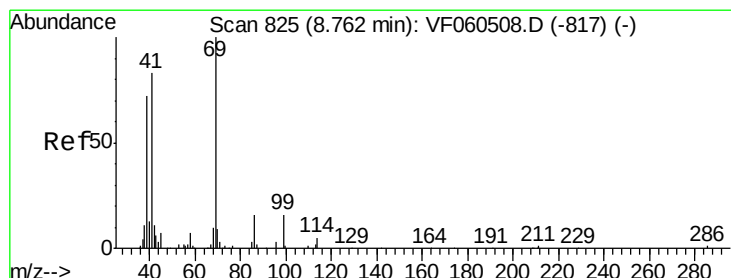
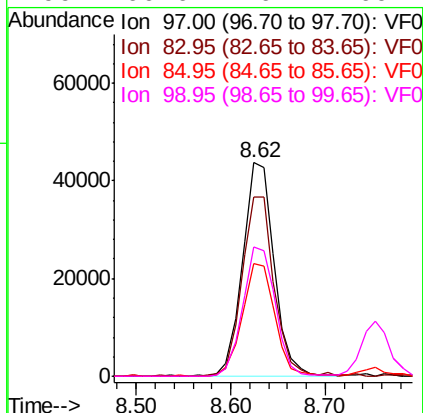
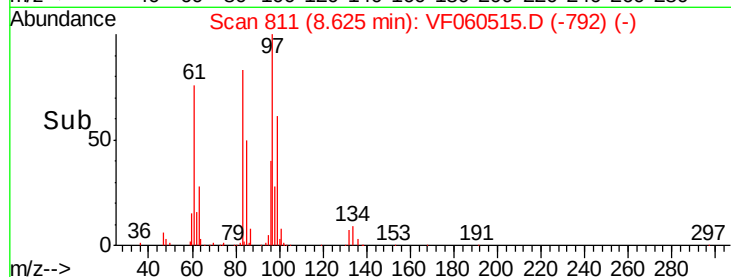
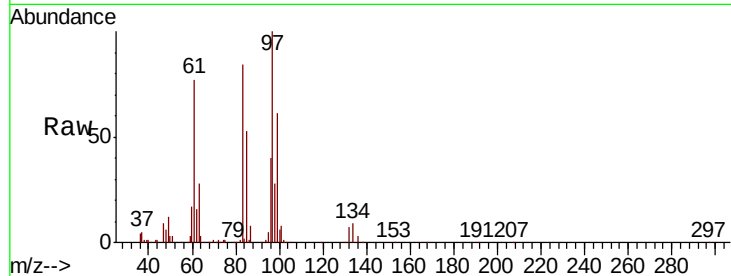
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	100978
Ion	Ratio	Lower	Upper
97	100		
83	84.0	65.0	97.4
85	52.7	47.0	70.6
99	60.6	46.2	69.4

Manual Integrations
APPROVED

apatel
10/29/2018 12:11:58 PM



#56

Ethyl methacrylate

Concen: 56.922 ug/l

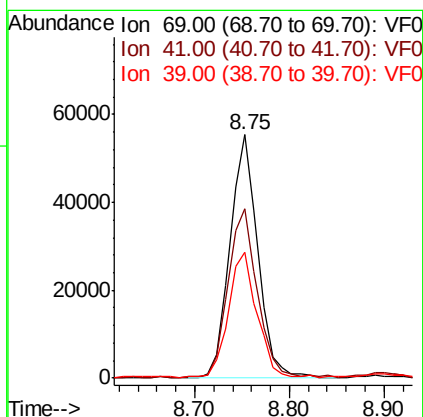
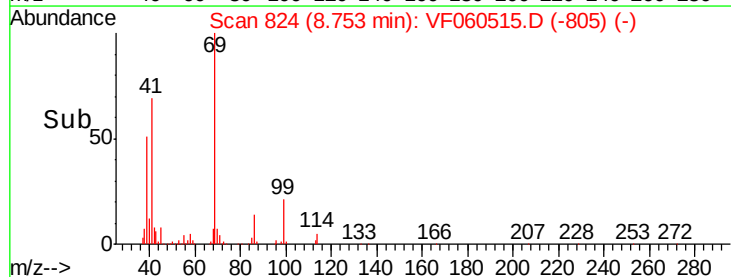
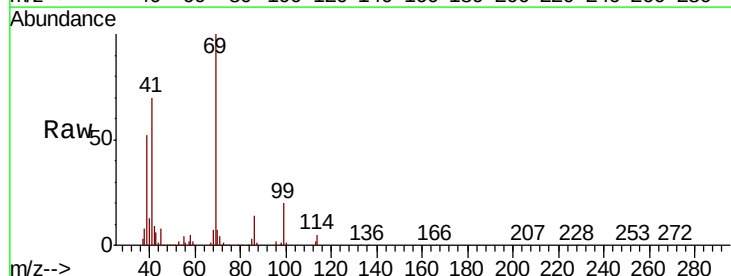
RT: 8.75 min Scan# 824

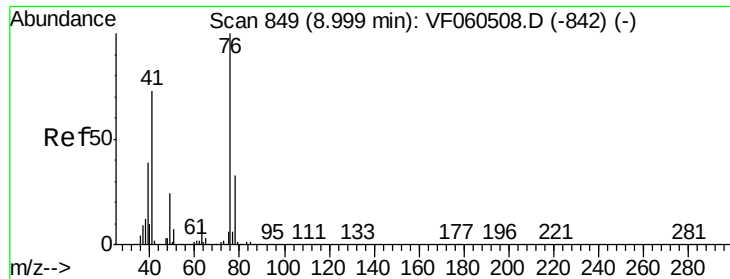
Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Tgt Ion:	69	Resp:	112711
Ion	Ratio	Lower	Upper
69	100		
41	69.8	67.2	100.8
39	51.8	58.4	87.6#





#57

1,3-Dichloropropane

Concen: 52.221 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 169776

Ion Ratio Lower Upper

76 100

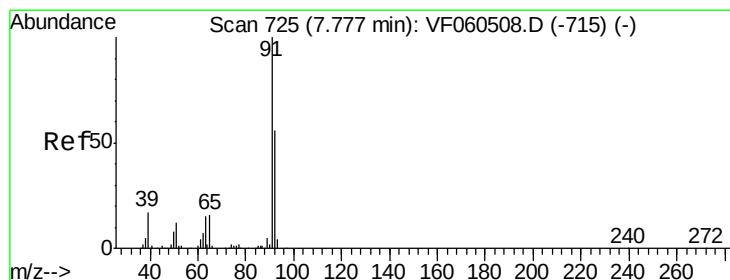
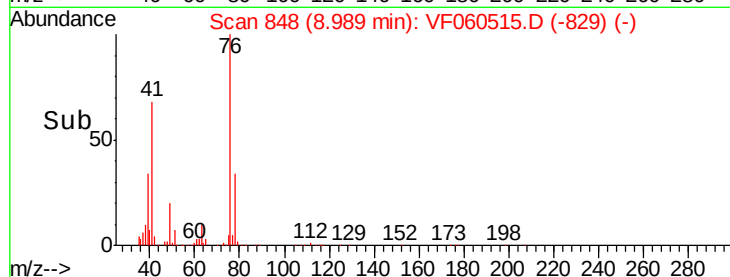
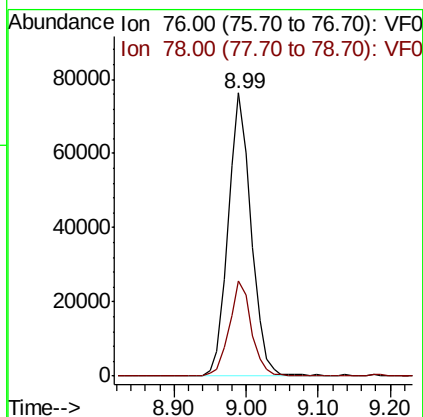
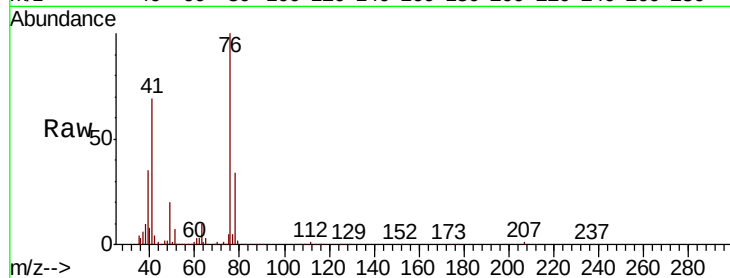
78 33.7 26.6 40.0

Manual Integrations

APPROVED

apatel

10/29/2018 12:11:58 PM



#58

2-Chloroethyl Vinyl ether

Concen: 236.317 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060515.D

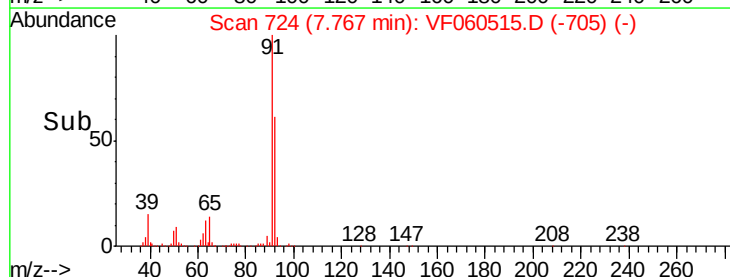
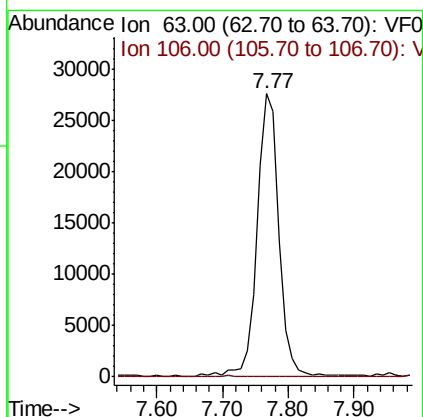
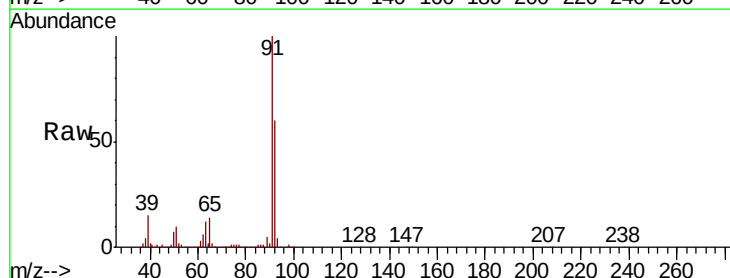
Acq: 26 Oct 2018 13:03

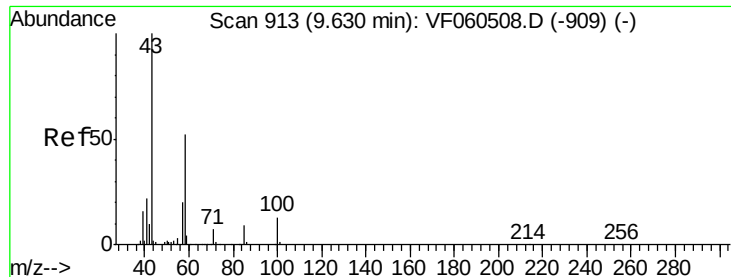
Tgt Ion: 63 Resp: 64706

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





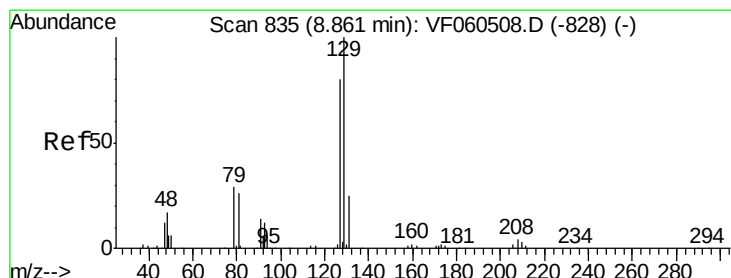
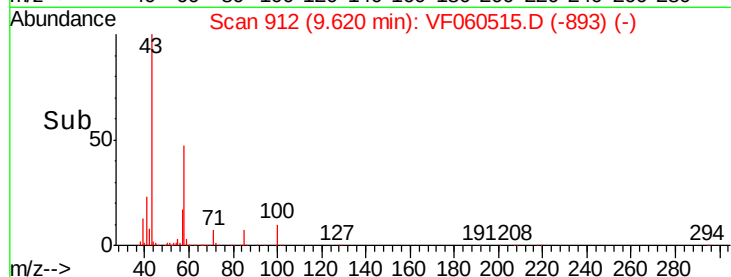
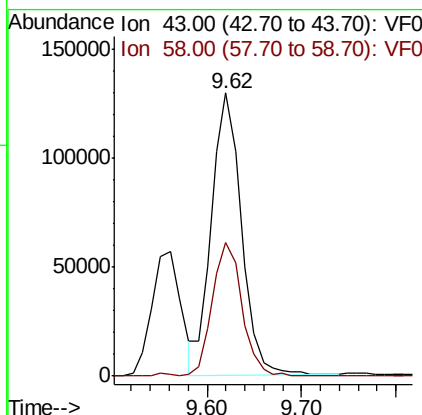
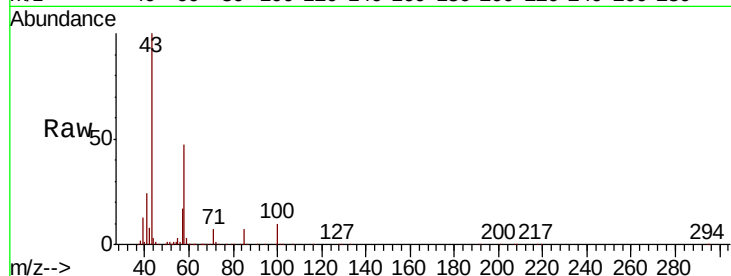
#59
2-Hexanone
Concen: 310.507 ug/l
RT: 9.62 min Scan# 912
Delta R.T. -0.01 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.1	23.5	70.5

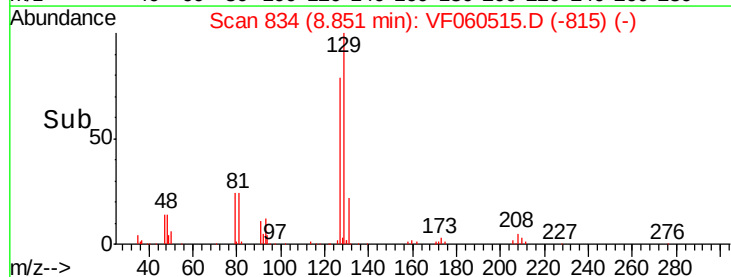
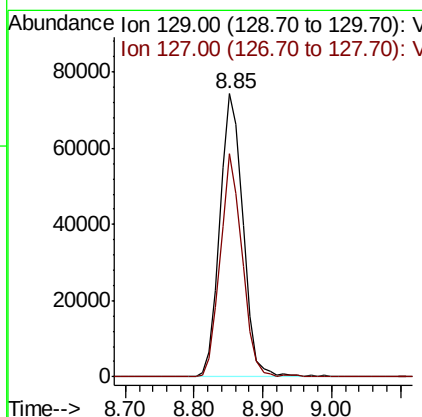
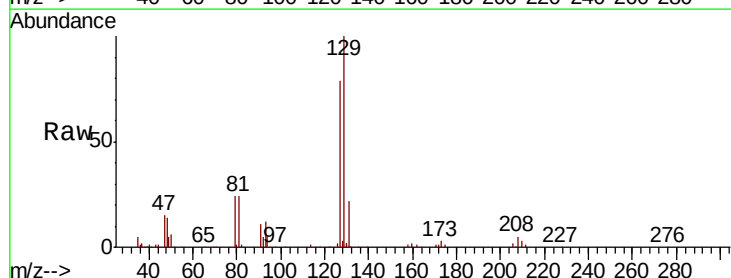
Manual Integrations
APPROVED

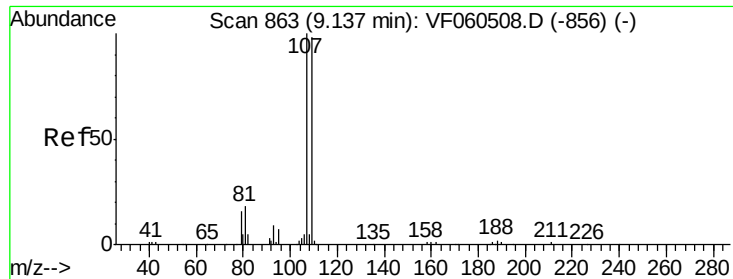
apatel
10/29/2018 12:11:58 PM



#60
Dibromochloromethane
Concen: 49.195 ug/l
RT: 8.85 min Scan# 834
Delta R.T. -0.01 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	40.2	120.5





#61

1,2-Dibromoethane

Concen: 51.087 ug/l

RT: 9.13 min Scan# 862

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 112759

Ion Ratio Lower Upper

107 100

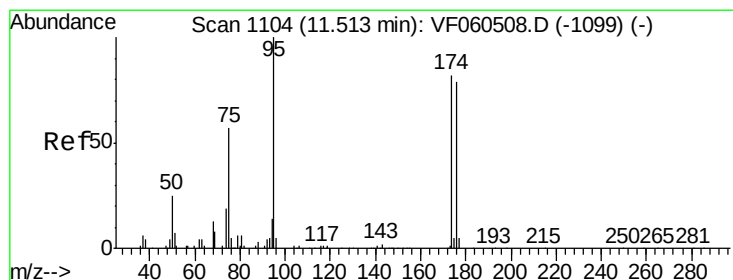
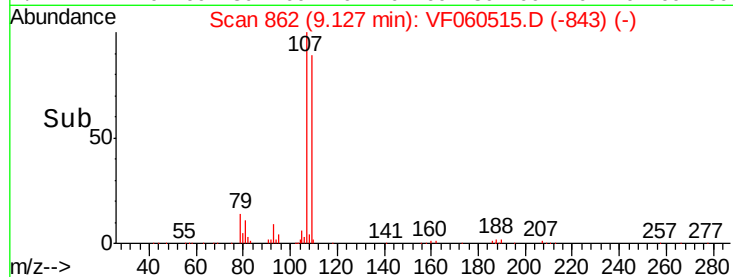
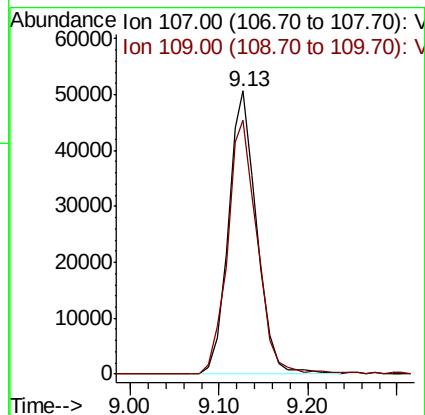
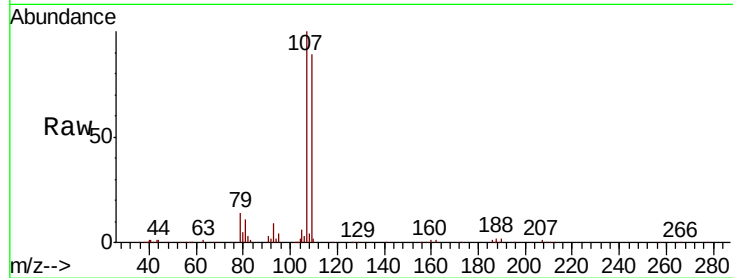
109 89.5 78.6 118.0

Manual Integrations

APPROVED

apatel

10/29/2018 12:11:58 PM



#62

4-Bromofluorobenzene

Concen: 40.780 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

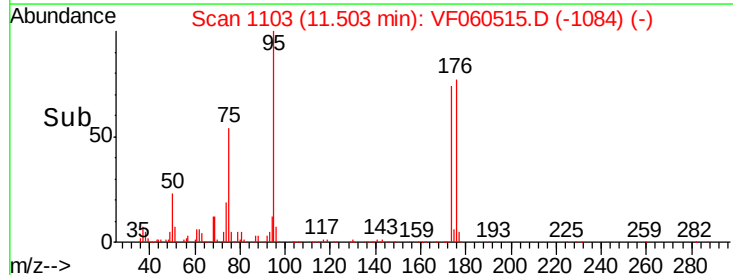
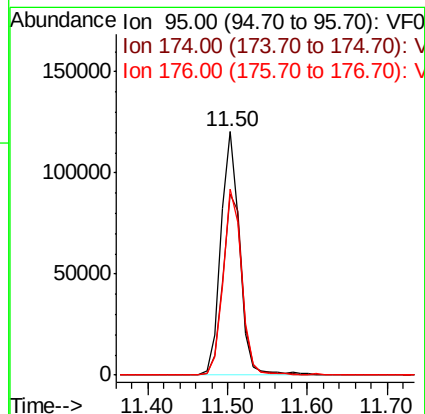
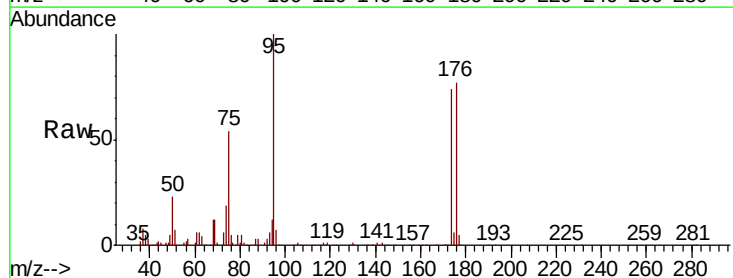
Tgt Ion: 95 Resp: 200105

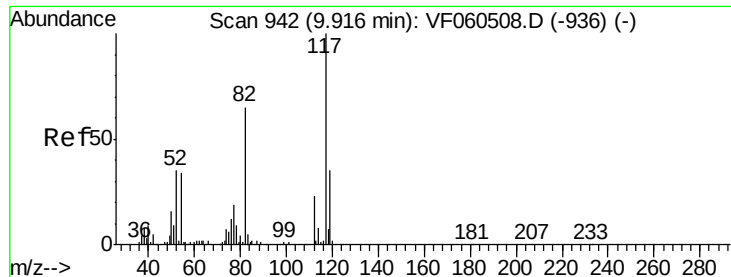
Ion Ratio Lower Upper

95 100

174 74.1 0.0 164.2

176 76.6 0.0 158.4





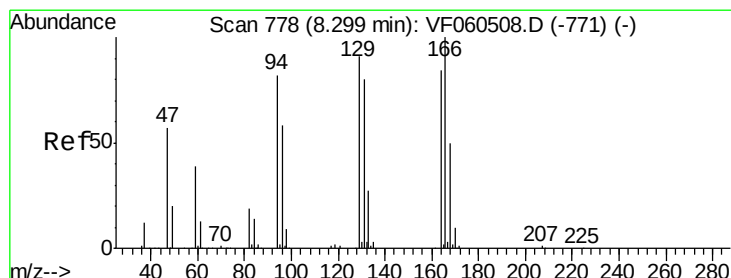
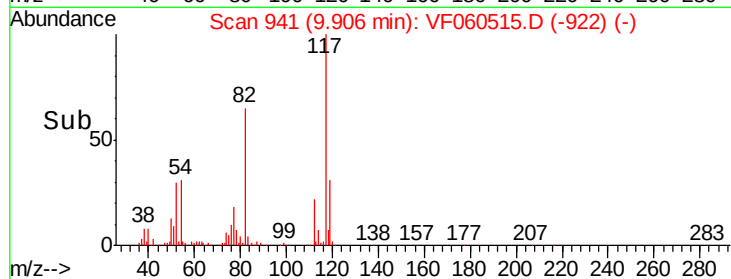
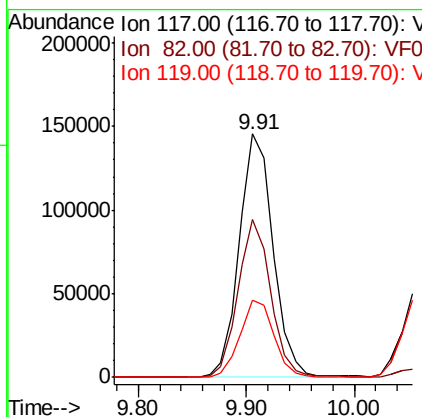
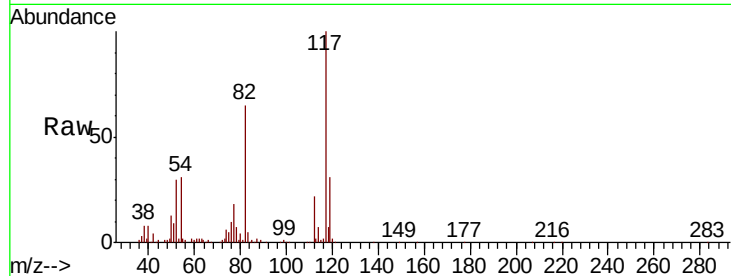
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.0	51.7	77.5
119	31.5	28.3	42.5

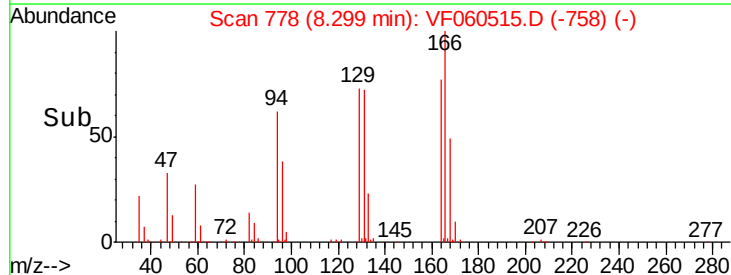
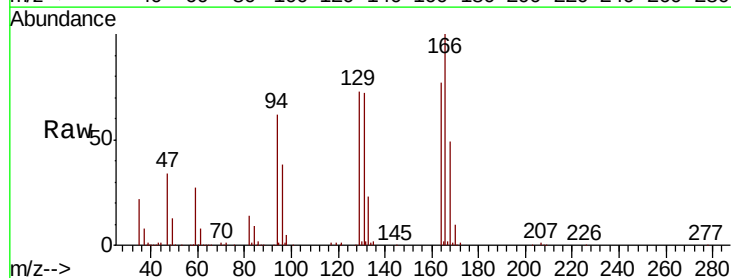
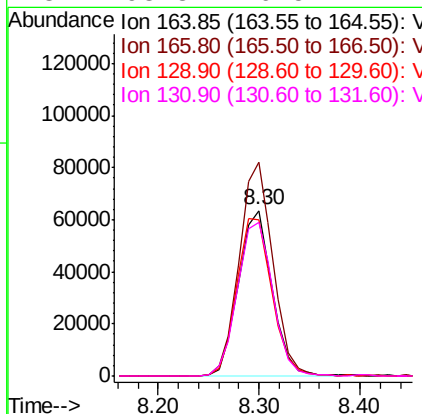
Manual Integrations
APPROVED

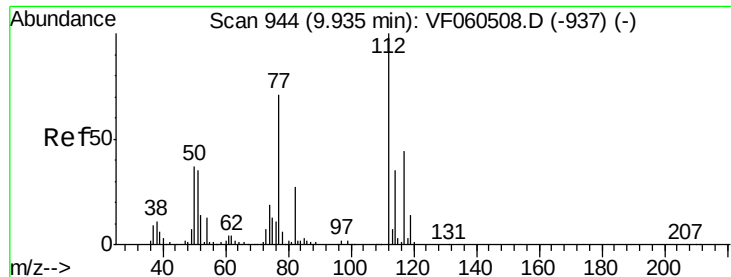
apatel
10/29/2018 12:11:58 PM



#64
Tetrachloroethene
Concen: 55.248 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.00 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	95.1	142.7
129	94.9	86.3	129.5
131	93.3	76.5	114.7





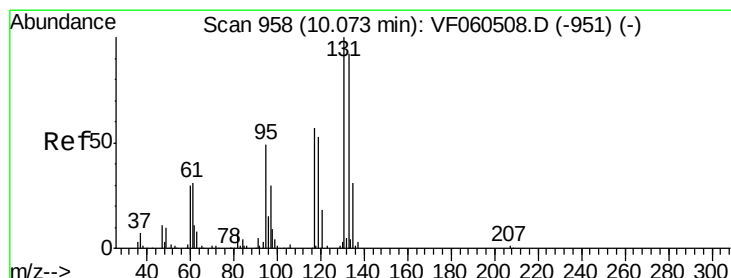
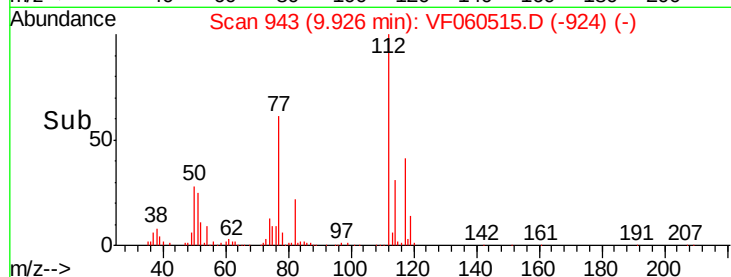
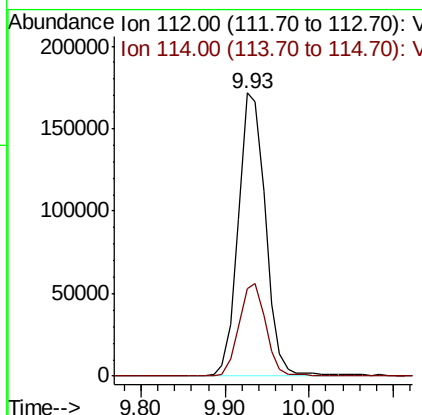
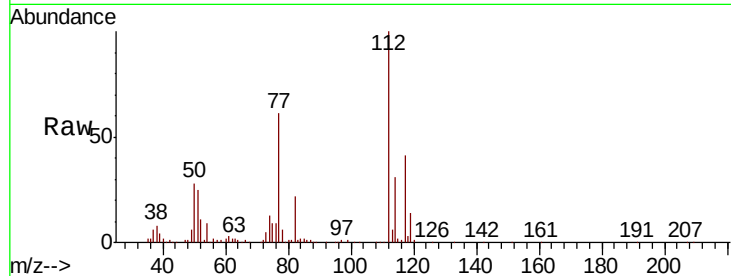
#65
Chlorobenzene
Concen: 57.918 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.8	27.7	41.5

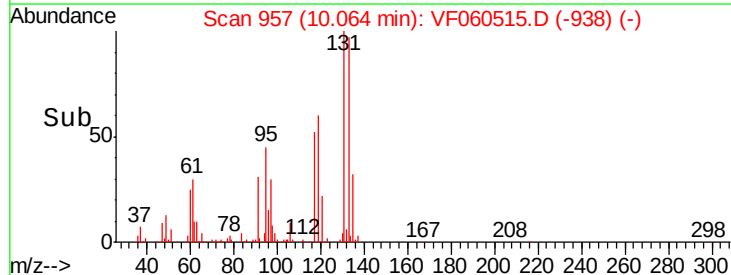
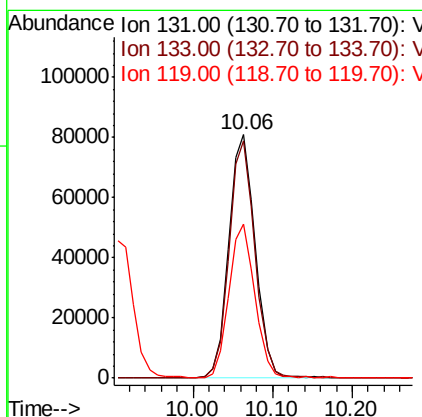
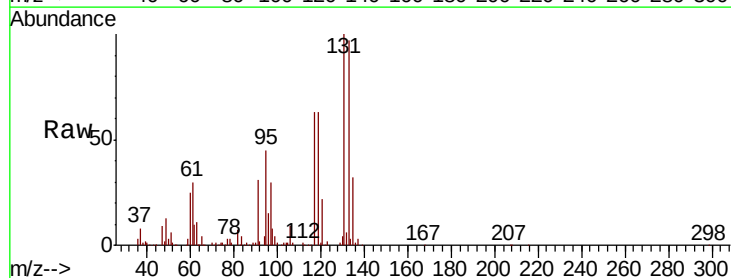
Manual Integrations
APPROVED

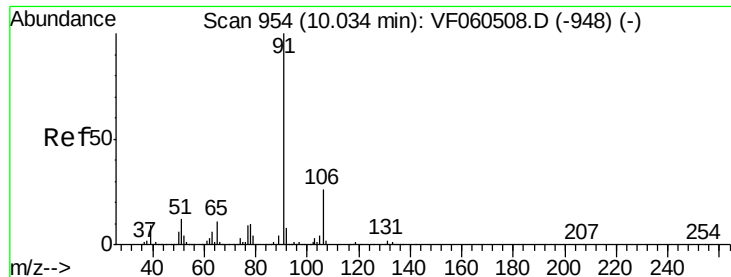
apatel
10/29/2018 12:11:58 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.388 ug/l
RT: 10.06 min Scan# 957
Delta R.T. -0.01 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.5	46.1	138.2
119	63.4	27.0	80.8





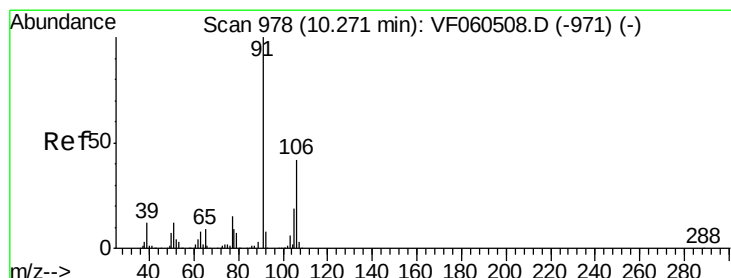
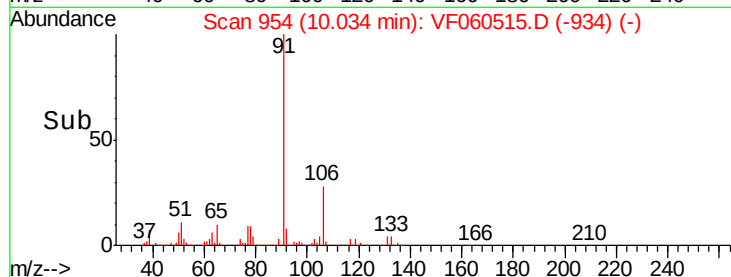
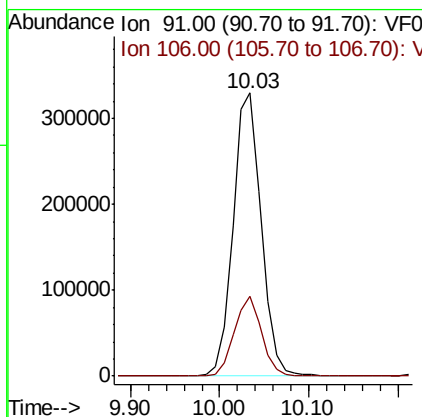
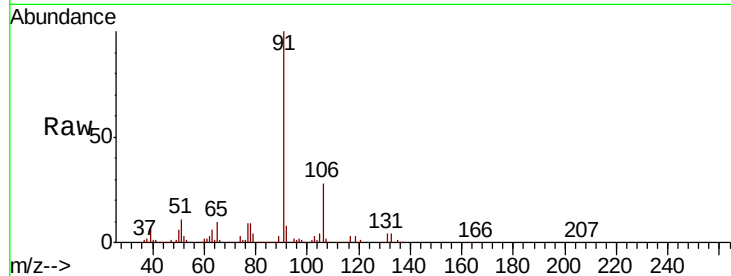
#67
Ethyl Benzene
Concen: 53.225 ug/l
RT: 10.03 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	28.4	20.7	31.1

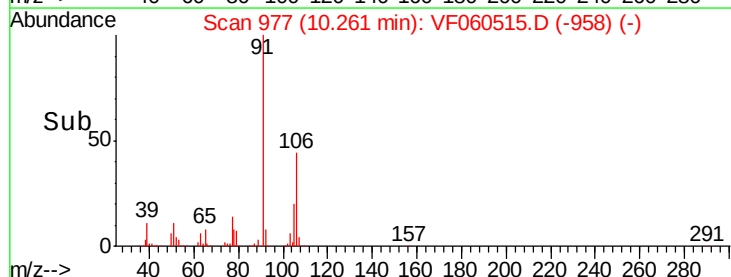
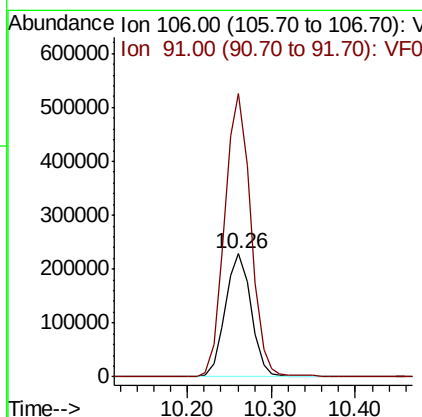
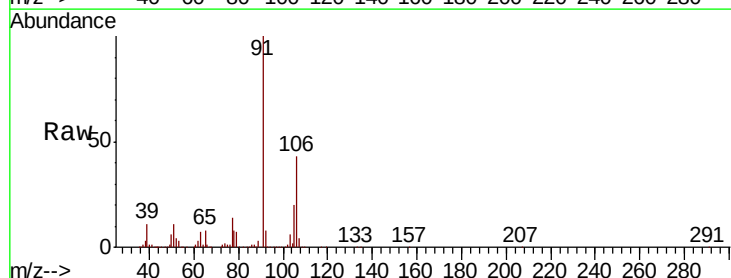
Manual Integrations
APPROVED

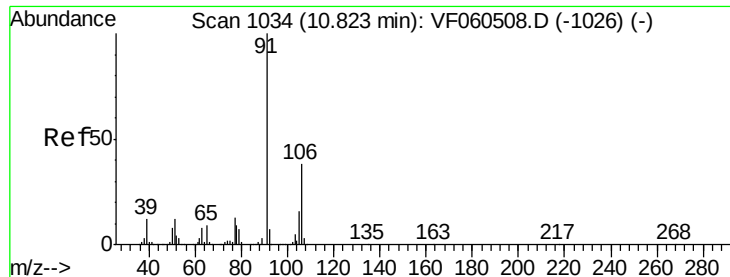
apatel
10/29/2018 12:11:58 PM



#68
m/p-Xylenes
Concen: 114.882 ug/l
RT: 10.26 min Scan# 977
Delta R.T. -0.01 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
106	100		
91	230.5	192.5	288.7





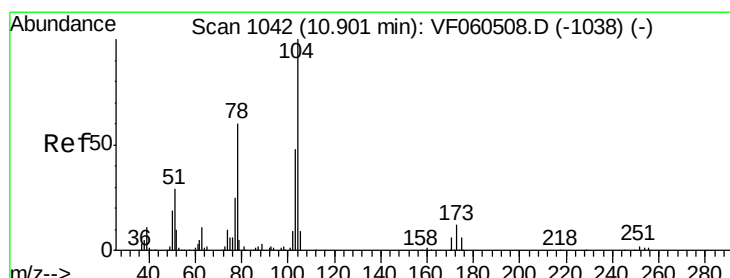
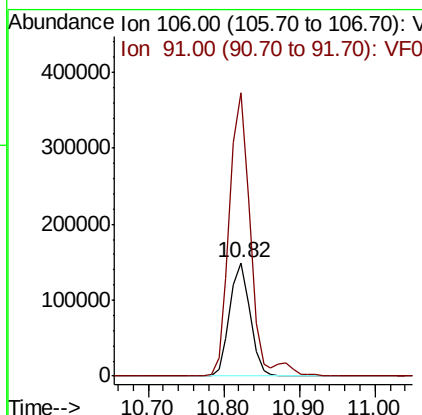
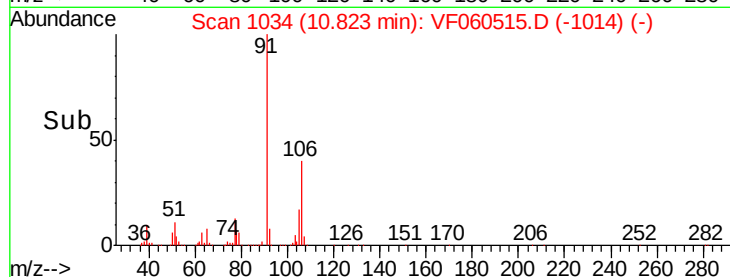
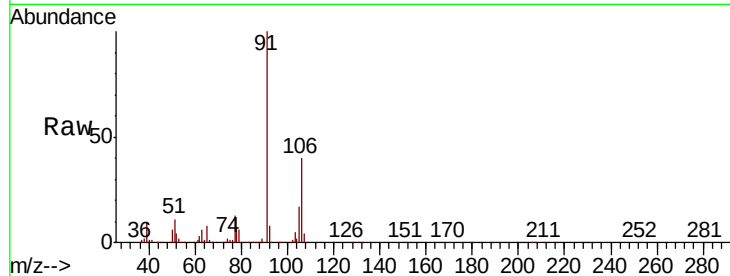
#69
o-Xylene
Concen: 58.253 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	249.1	130.9	392.7

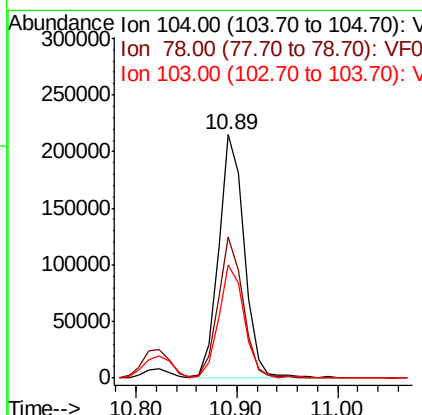
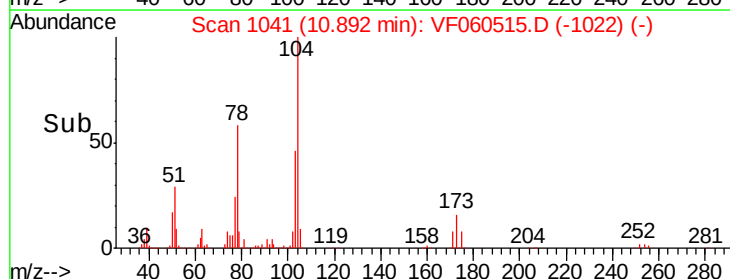
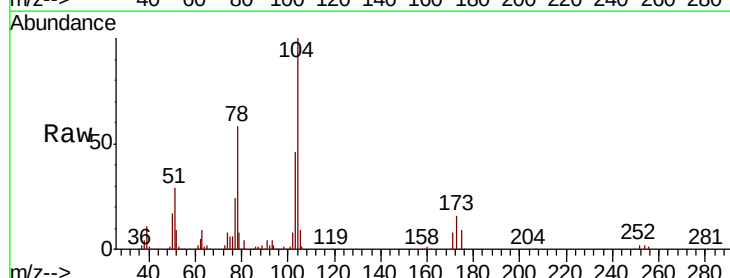
Manual Integrations
APPROVED

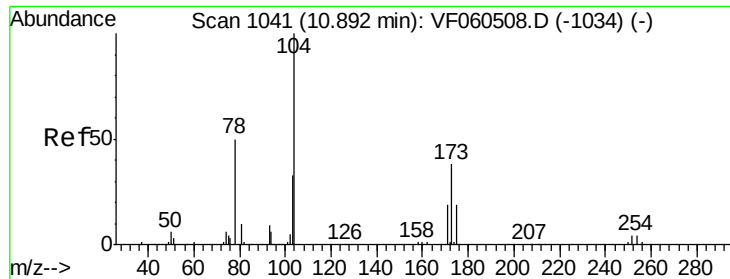
apatel
10/29/2018 12:11:58 PM



#70
Styrene
Concen: 56.485 ug/l
RT: 10.89 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	57.8	48.7	73.1
103	46.2	38.8	58.2





#71

Bromoform

Concen: 51.633 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

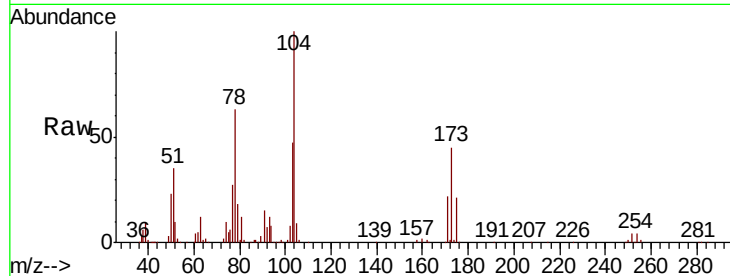
ClientSampleId :

VSTDCCC050

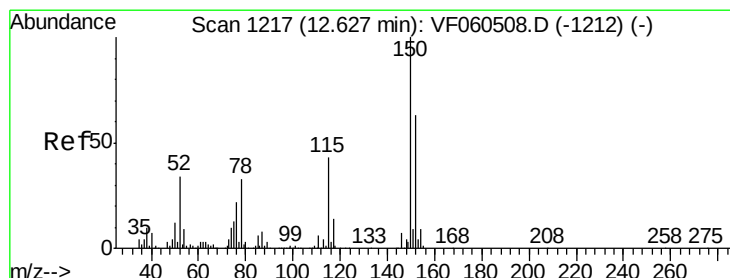
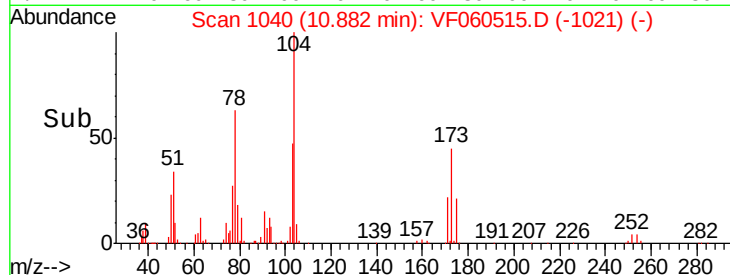
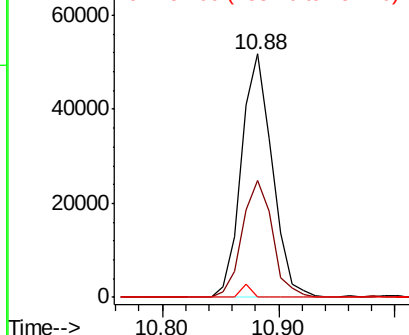
Tot Ion:	173	Resp:	95004
Ion Ratio	Lower	Upper	
173	100		
175	48.2	25.5	76.5
254	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
10/29/2018 12:11:58 PM



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

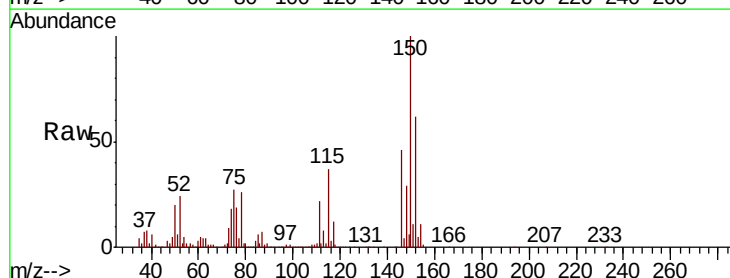
RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

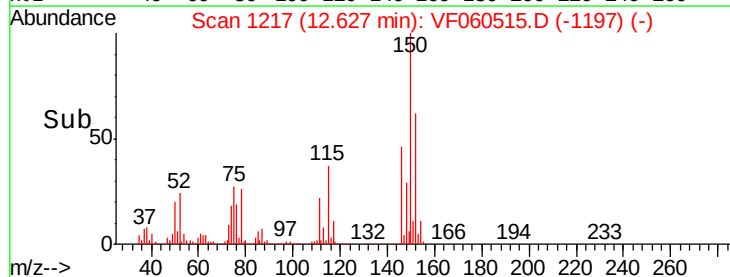
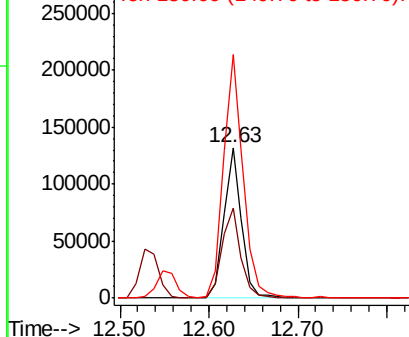
Lab File: VF060515.D

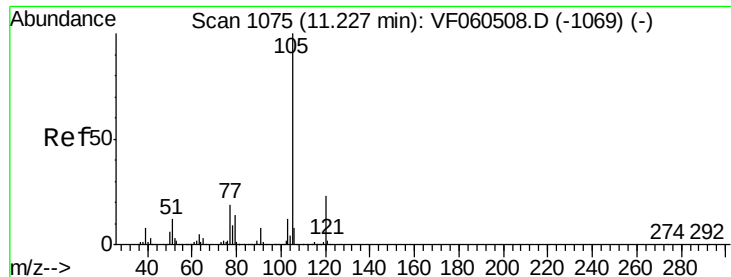
Acq: 26 Oct 2018 13:03

Tgt Ion:	152	Resp:	184953
Ion Ratio	Lower	Upper	
152	100		
115	60.3	34.6	103.9
150	162.1	0.0	319.8



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 60.422 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 887743

Ion Ratio Lower Upper

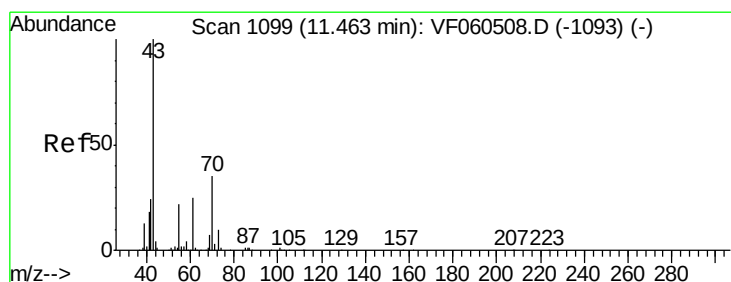
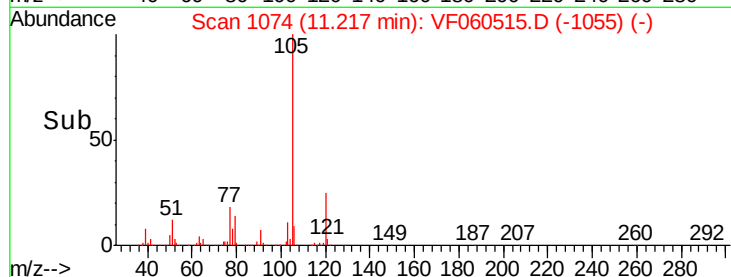
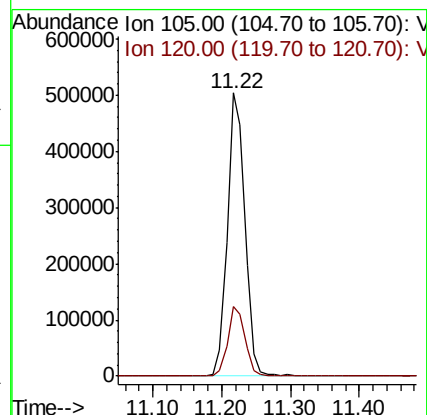
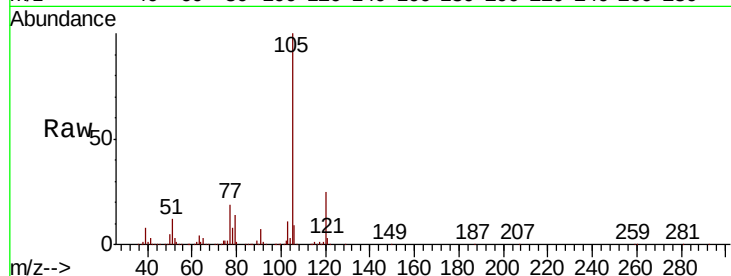
105 100

120 24.7 11.6 34.7

Manual Integrations
APPROVED

apatel

10/29/2018 12:11:58 PM



#74

N-ethyl acetate

Concen: 65.248 ug/l

RT: 11.45 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Tgt Ion: 43 Resp: 170242

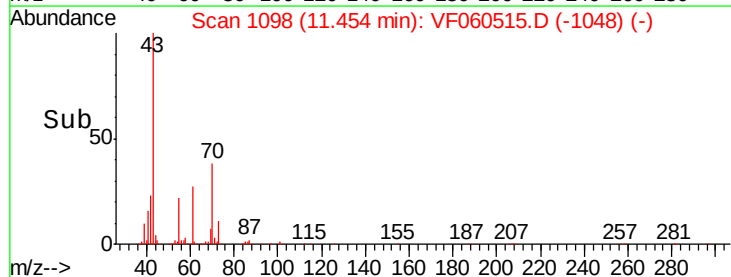
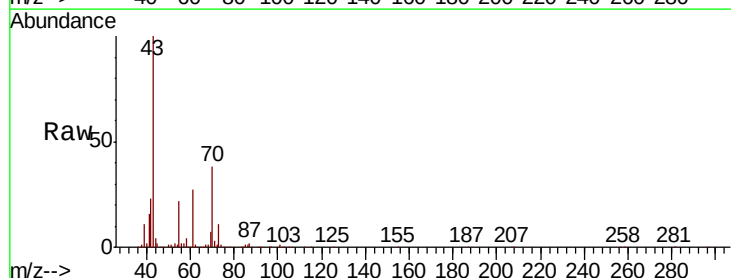
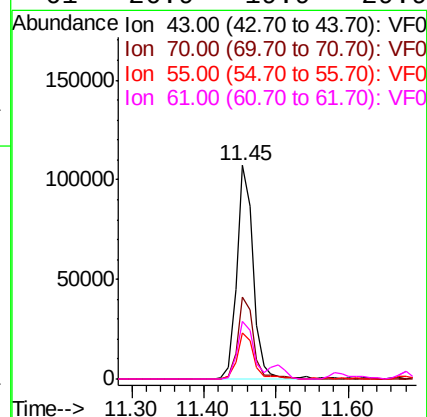
Ion Ratio Lower Upper

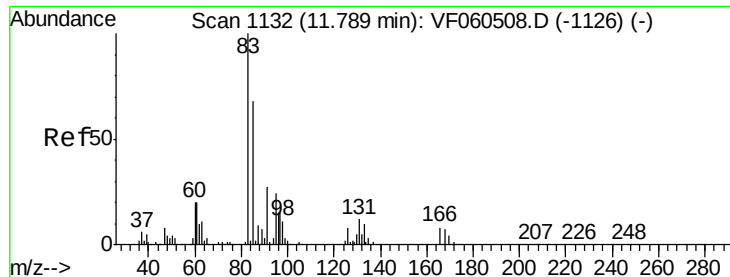
43 100

70 38.4 28.2 42.2

55 21.6 17.9 26.9

61 26.9 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 64.422 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

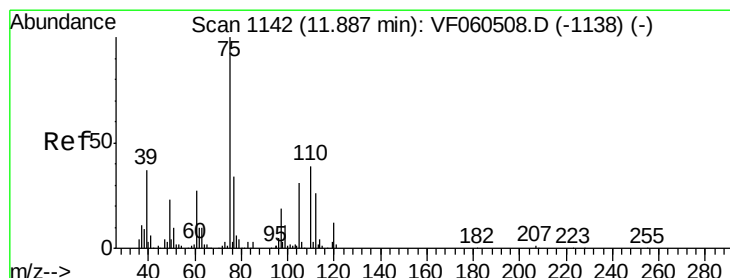
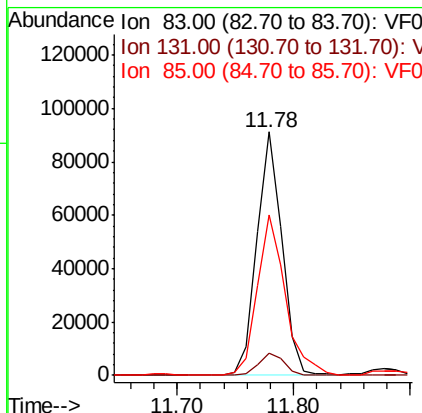
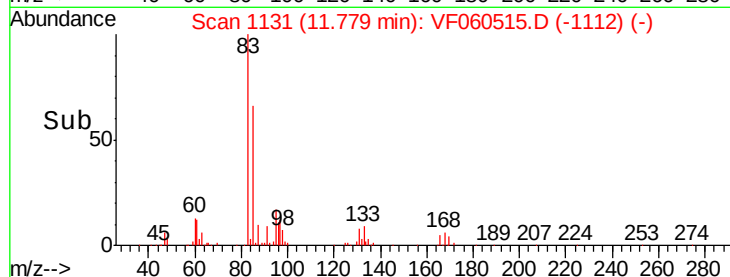
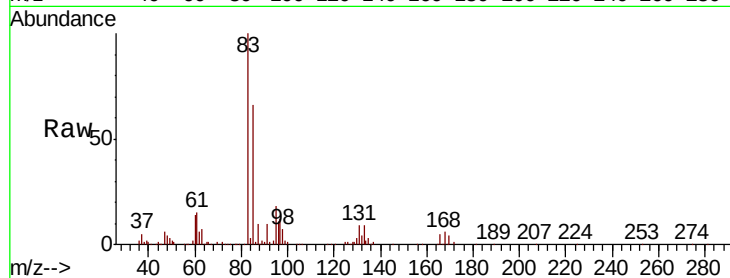
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	136383
Ion Ratio	Lower	Upper	
83	100		
131	9.2	5.8	17.4
85	65.8	34.2	102.6

Manual Integrations
APPROVED

apatel
10/29/2018 12:11:58 PM



#76

1,2,3-Trichloropropane

Concen: 54.123 ug/l

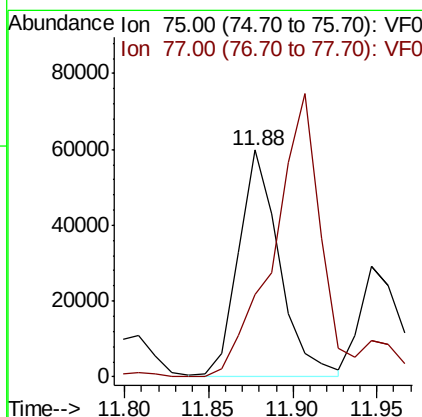
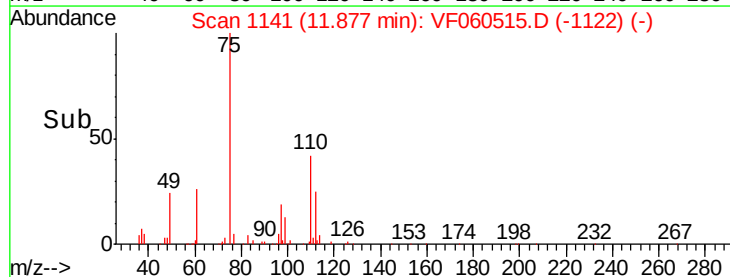
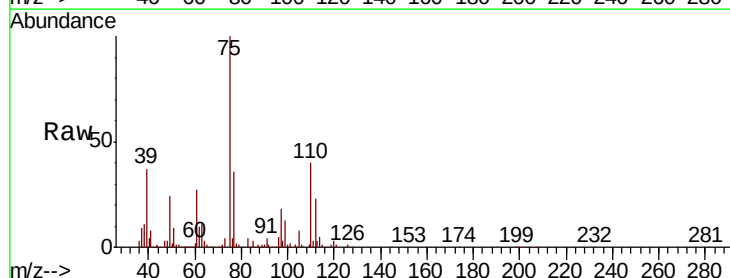
RT: 11.88 min Scan# 1141

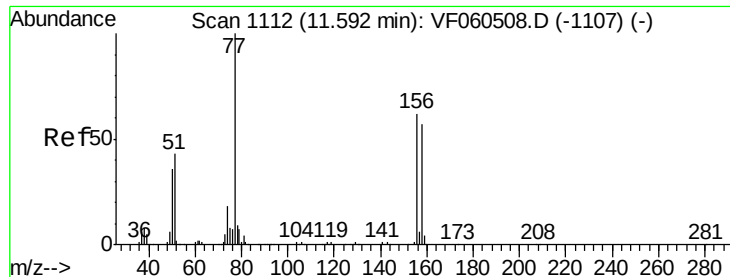
Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Tgt Ion:	75	Resp:	100039
Ion Ratio	Lower	Upper	
75	100		
77	36.1	17.2	51.5





#77

Bromobenzene

Concen: 59.179 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

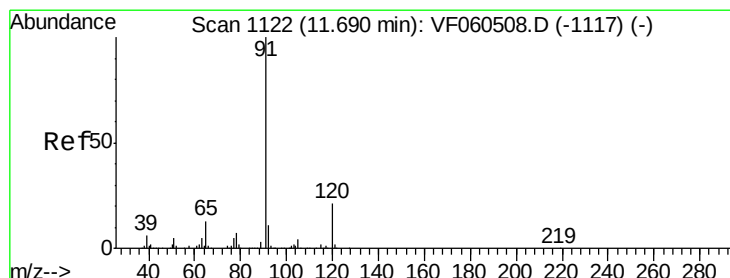
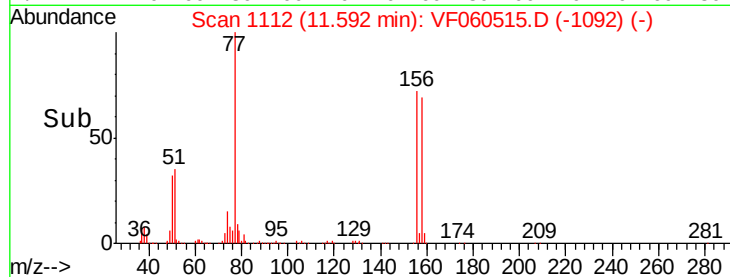
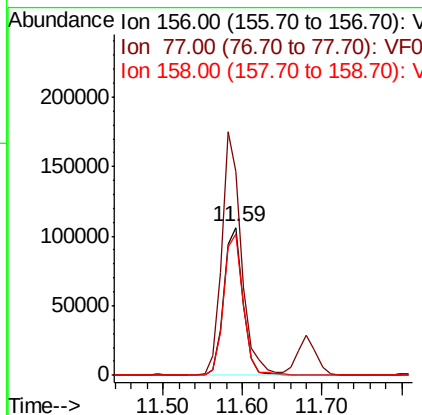
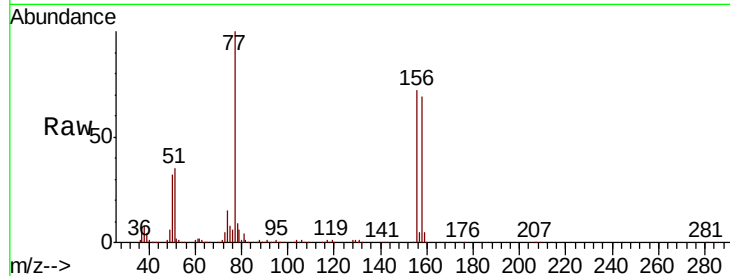
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	138.0	80.1	240.3
158	95.6	45.9	137.6

Manual Integrations
APPROVED

apatel
10/29/2018 12:11:58 PM



#78

n-propylbenzene

Concen: 58.218 ug/l

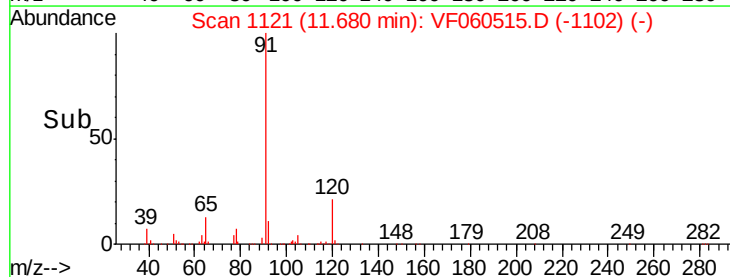
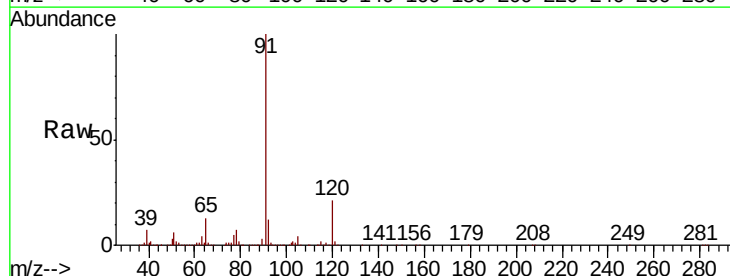
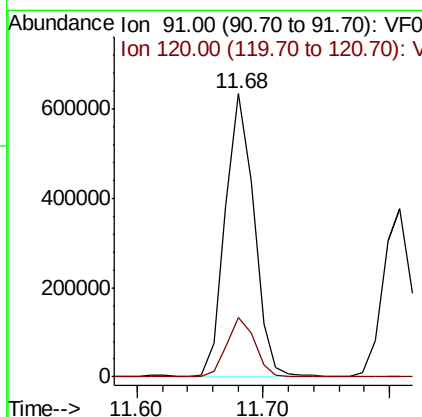
RT: 11.68 min Scan# 1121

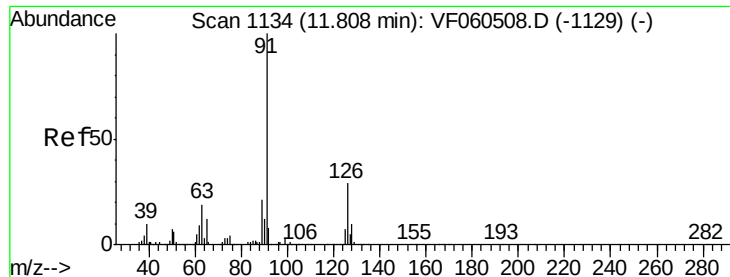
Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.9	10.3	30.9





#79

2-Chlorotoluene

Concen: 56.737 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 590586

Ion Ratio Lower Upper

91 100

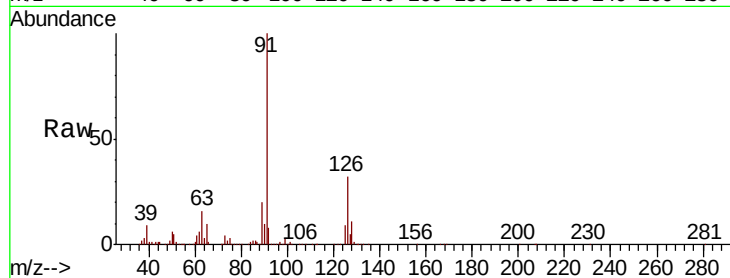
126 32.2 14.4 43.2

Manual Integrations

APPROVED

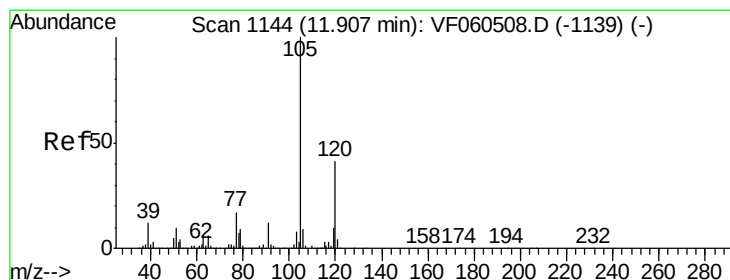
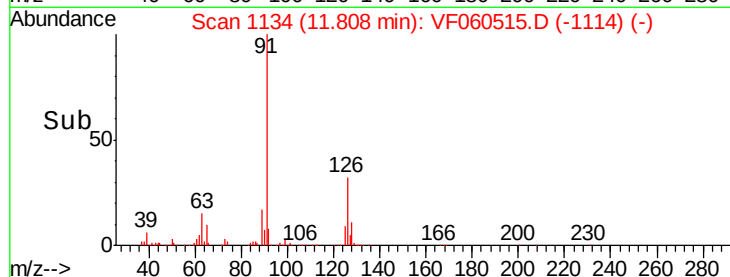
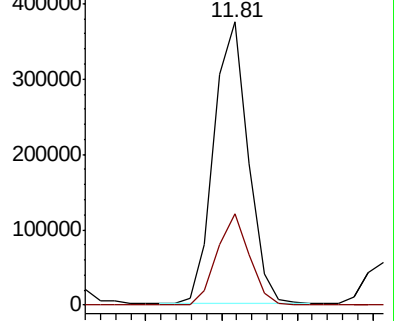
apatel

10/29/2018 12:11:58 PM



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 56.360 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060515.D

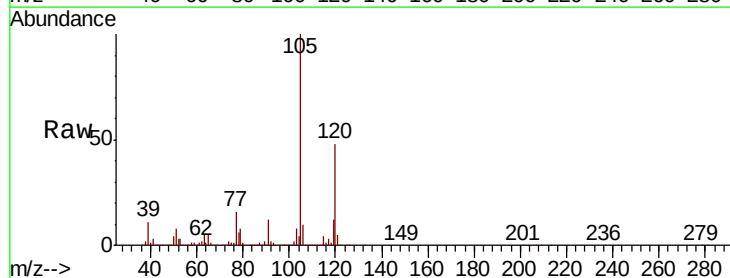
Acq: 26 Oct 2018 13:03

Tgt Ion: 105 Resp: 727213

Ion Ratio Lower Upper

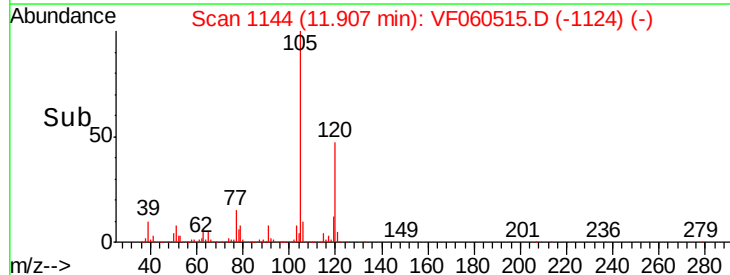
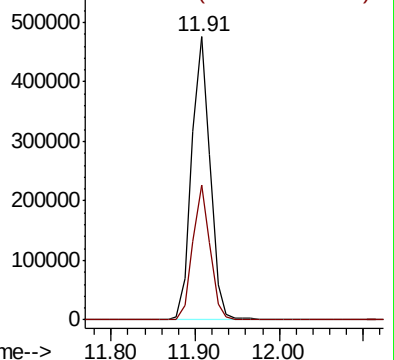
105 100

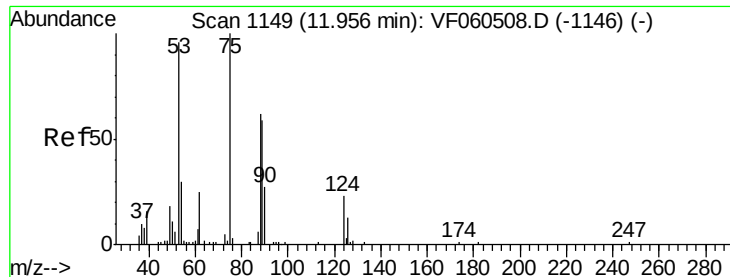
120 47.6 20.6 61.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 57.453 ug/l m

RT: 11.95 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 44669

Ion Ratio Lower Upper

75 100

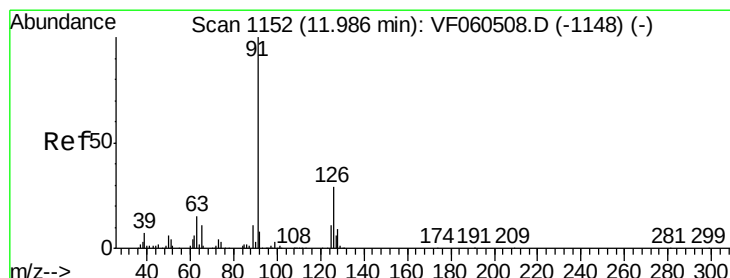
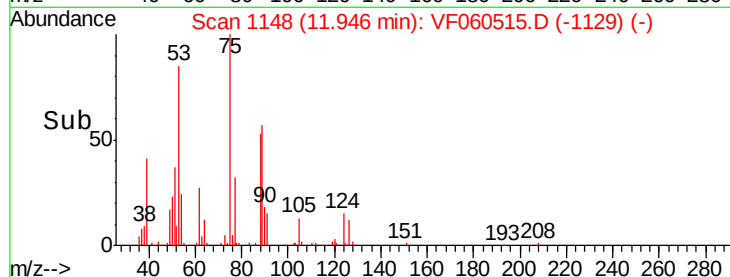
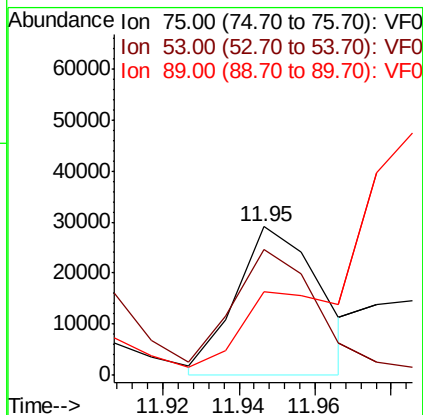
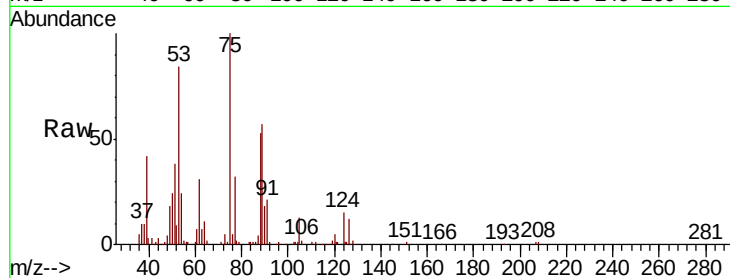
53 84.4 85.0 127.6#

89 56.6 50.2 75.4

Manual Integrations
APPROVED

apatel

10/29/2018 12:11:58 PM



#82

4-Chlorotoluene

Concen: 55.762 ug/l

RT: 11.99 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF060515.D

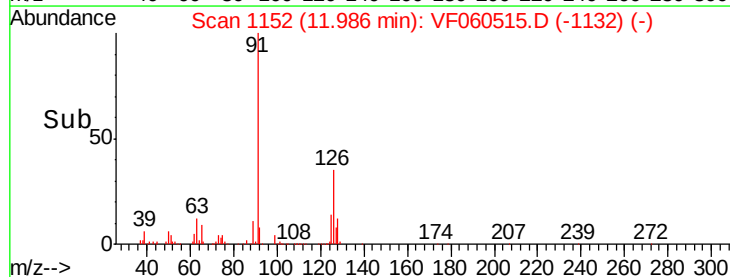
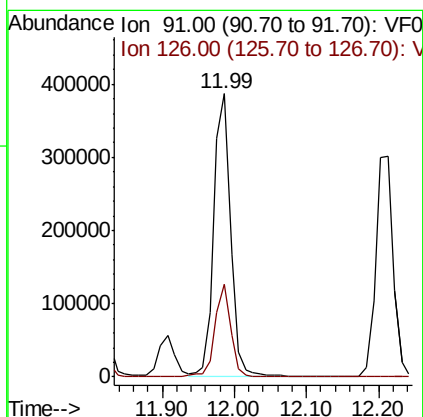
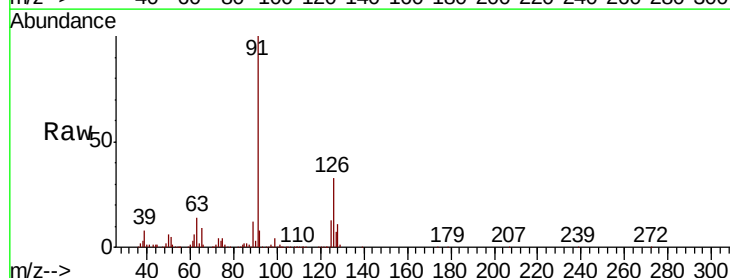
Acq: 26 Oct 2018 13:03

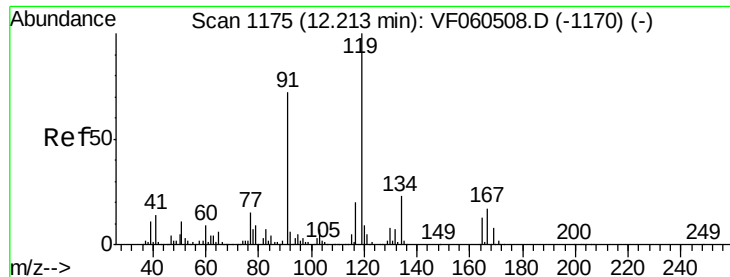
Tgt Ion: 91 Resp: 613273

Ion Ratio Lower Upper

91 100

126 32.6 14.8 44.4





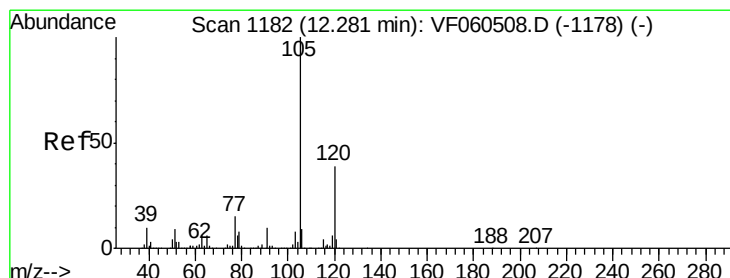
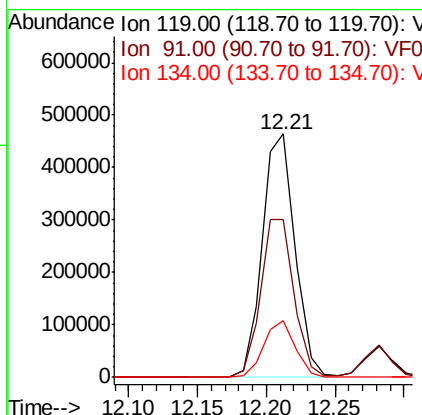
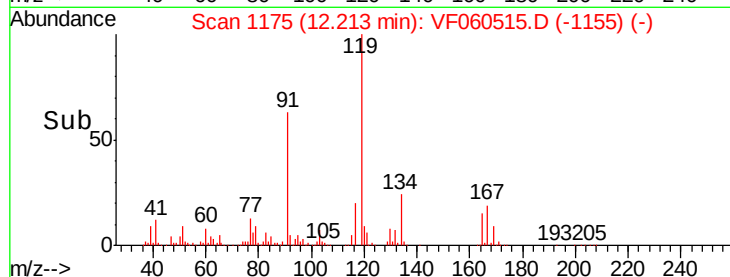
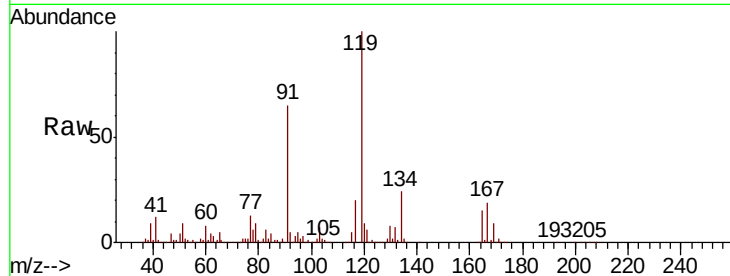
#83
 tert-Butylbenzene
 Concen: 58.967 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.9	36.3	108.9
134	23.5	11.4	34.2

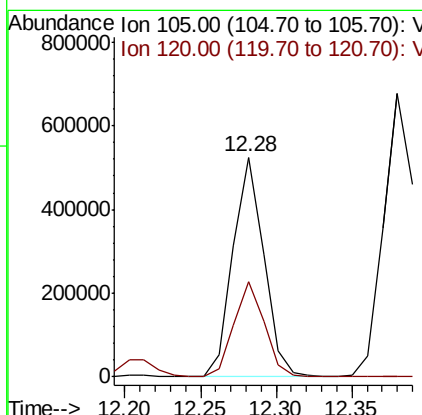
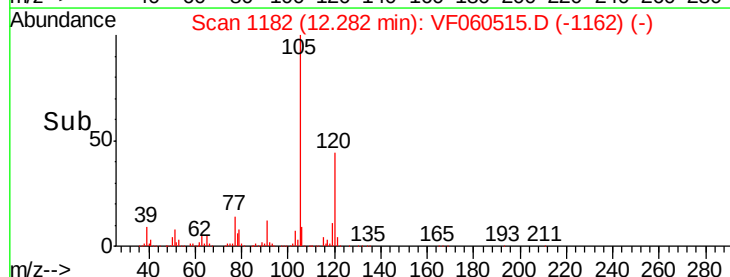
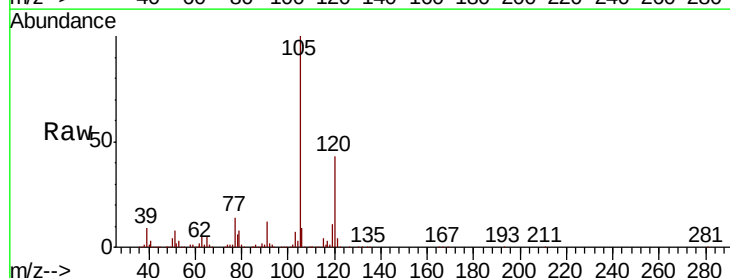
Manual Integrations
 APPROVED

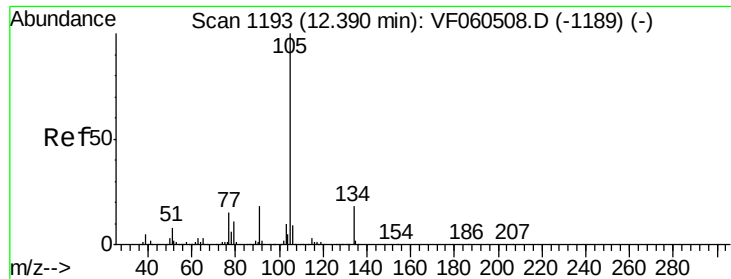
apatel
 10/29/2018 12:11:58 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 58.372 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	19.4	58.1





#85

sec-Butylbenzene

Concen: 56.821 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 993914

Ion Ratio Lower Upper

105 100

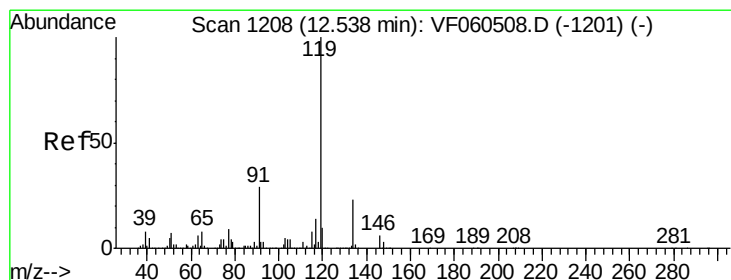
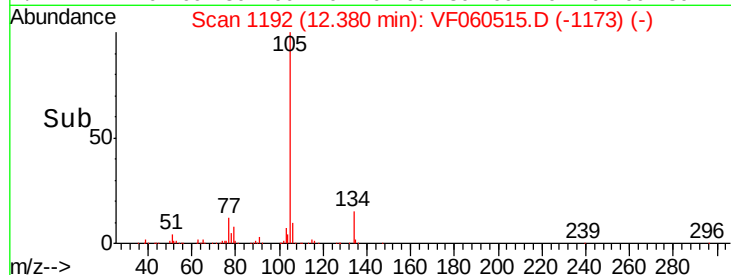
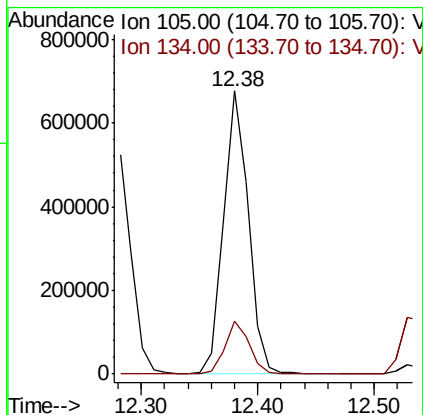
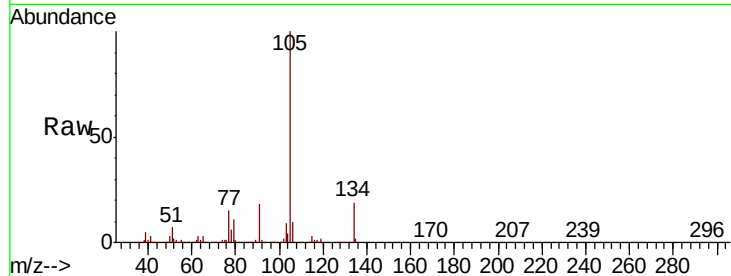
134 18.8 9.2 27.4

Manual Integrations

APPROVED

apatel

10/29/2018 12:11:58 PM



#86

p-Isopropyltoluene

Concen: 56.301 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

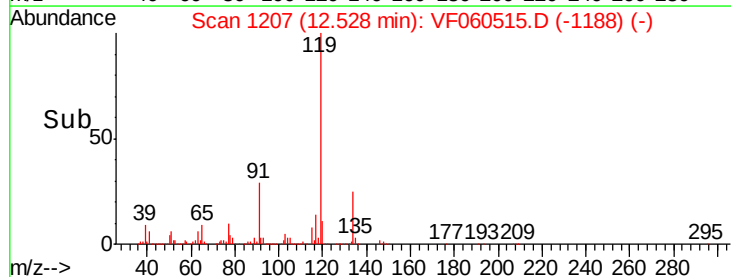
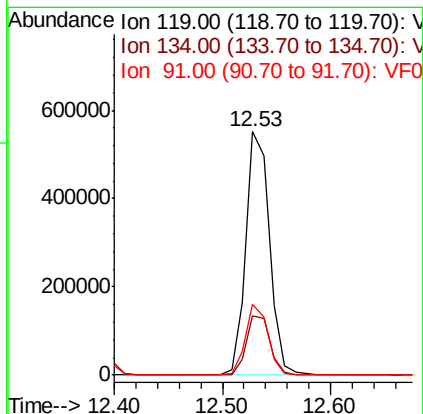
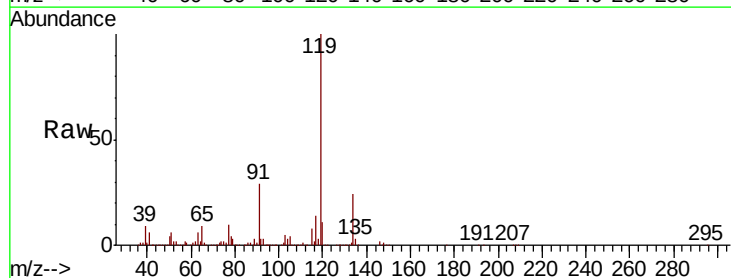
Tgt Ion:119 Resp: 836680

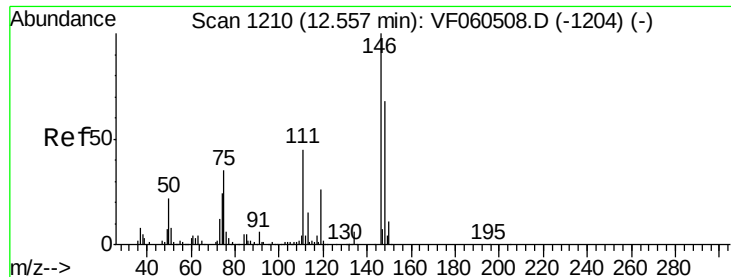
Ion Ratio Lower Upper

119 100

134 24.5 11.7 35.0

91 29.0 14.4 43.4





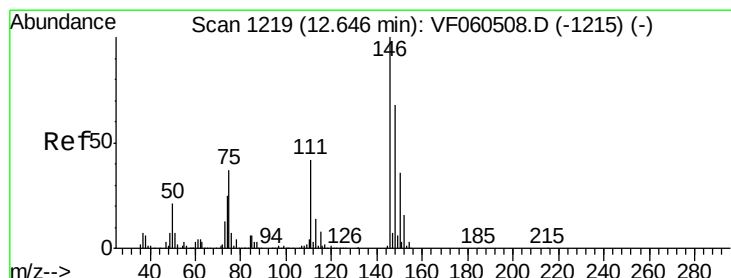
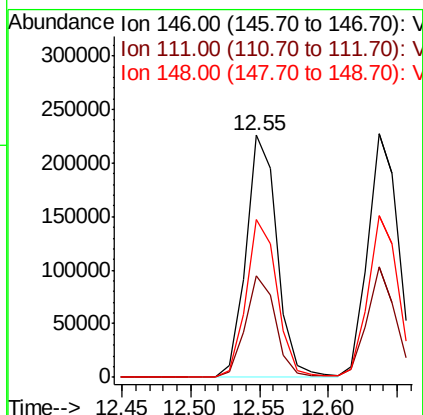
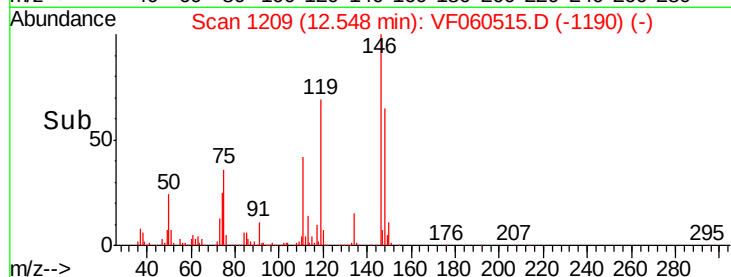
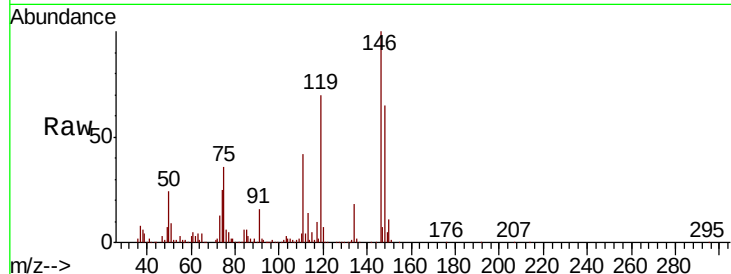
#87
 1,3-Dichlorobenzene
 Concen: 57.383 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	22.3	66.8
148	65.3	34.1	102.3

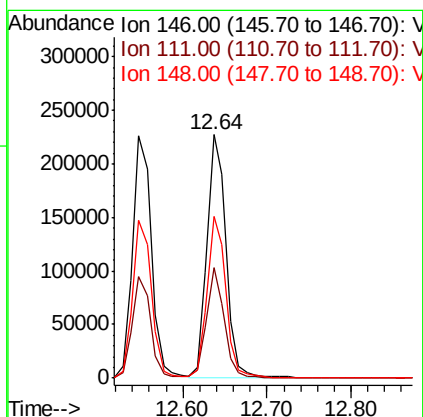
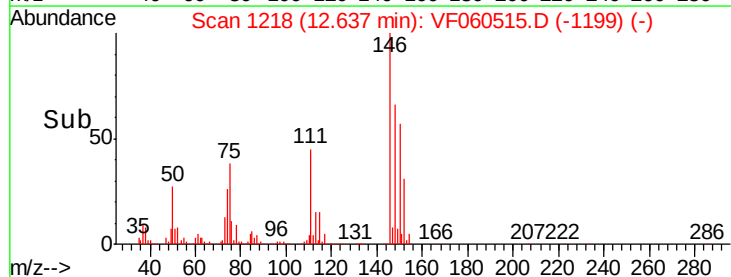
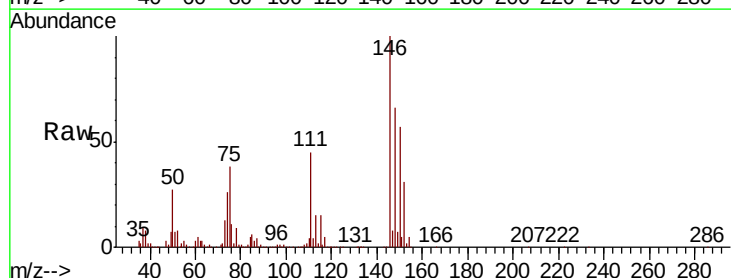
Manual Integrations
 APPROVED

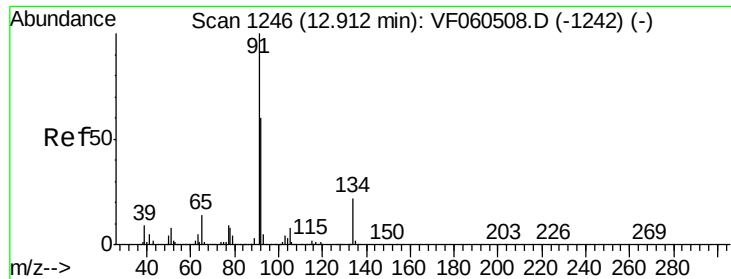
apatel
 10/29/2018 12:11:58 PM



#88
 1,4-Dichlorobenzene
 Concen: 59.023 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.1	63.3
148	66.2	33.9	101.7





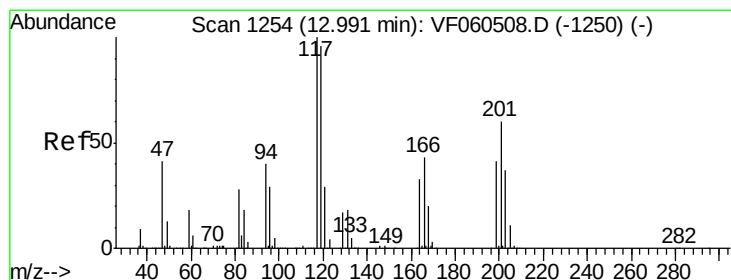
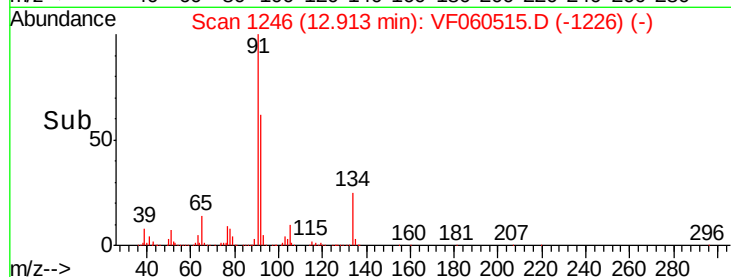
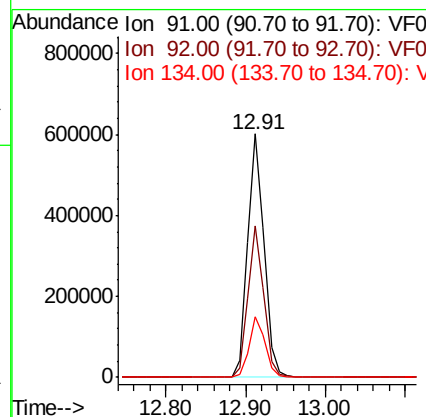
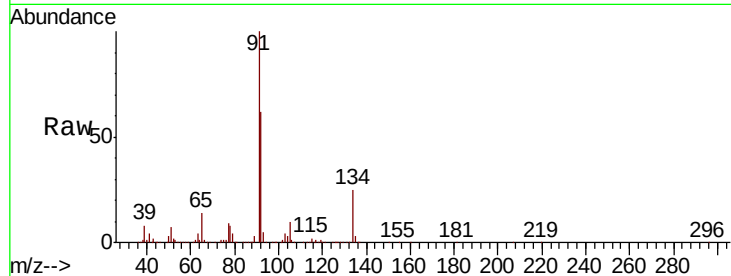
#89
n-Butylbenzene
Concen: 54.385 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	62.3	29.8	89.3
134	24.9	10.9	32.7

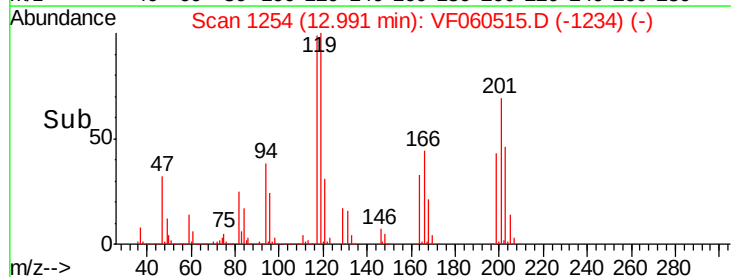
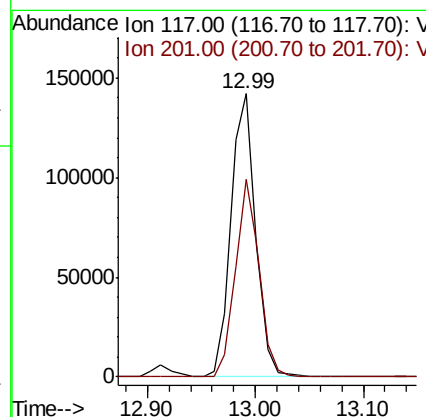
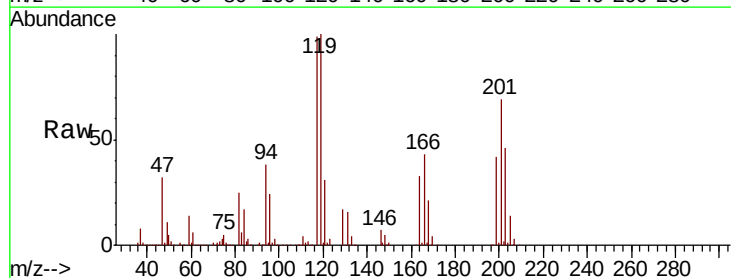
Manual Integrations
APPROVED

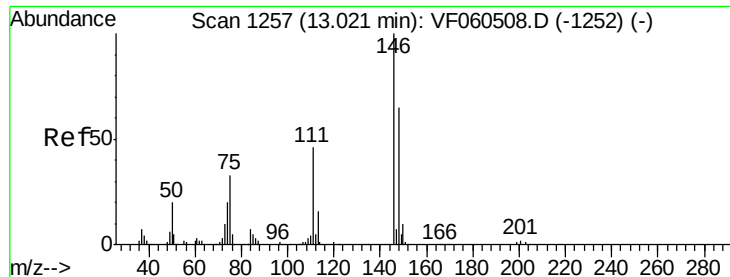
apatel
10/29/2018 12:11:58 PM



#90
Hexachloroethane
Concen: 57.564 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.6	30.1	90.5





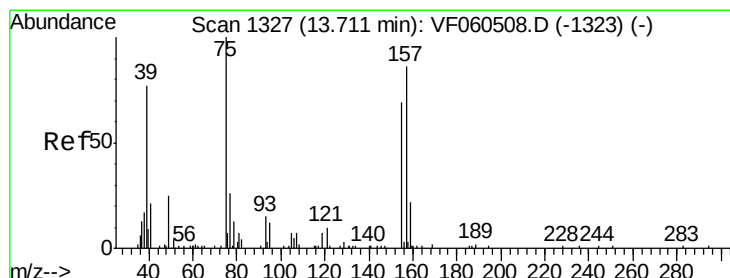
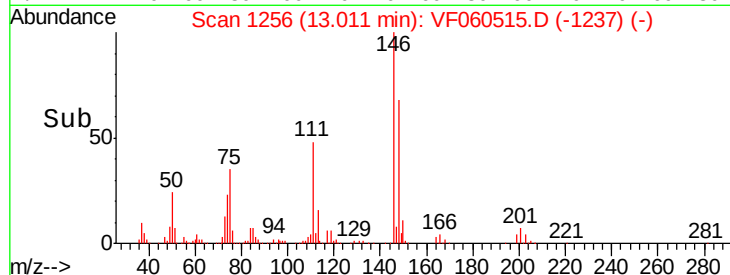
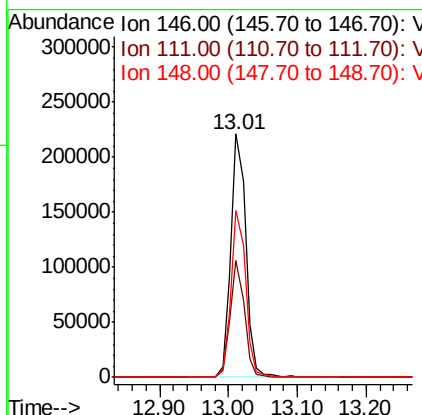
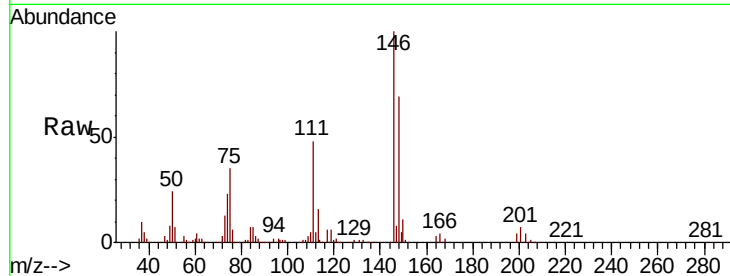
#91
 1,2-Dichlorobenzene
 Concen: 56.561 ug/l
 RT: 13.01 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.9	22.8	68.4
148	68.6	32.3	96.9

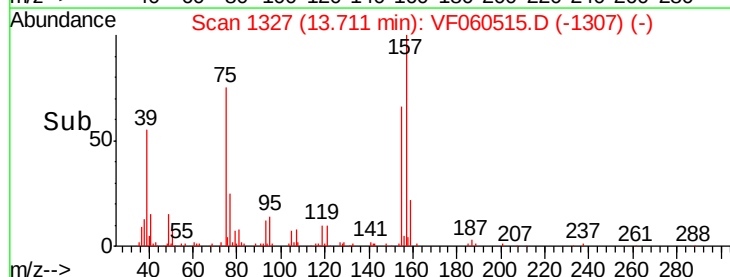
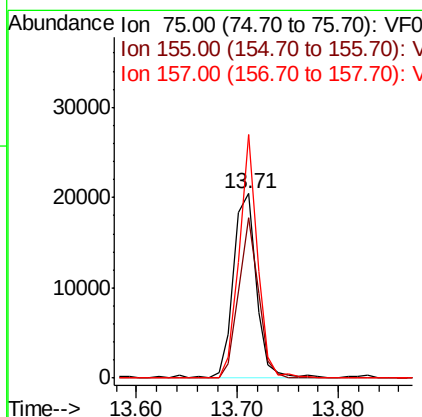
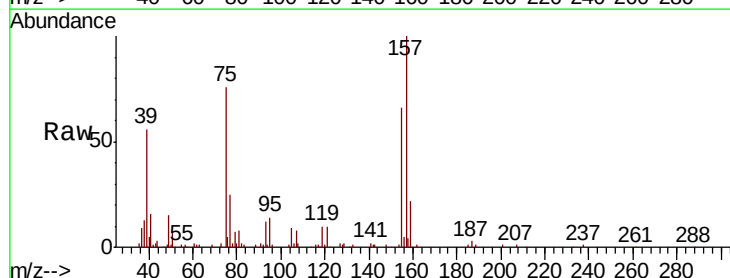
Manual Integrations
 APPROVED

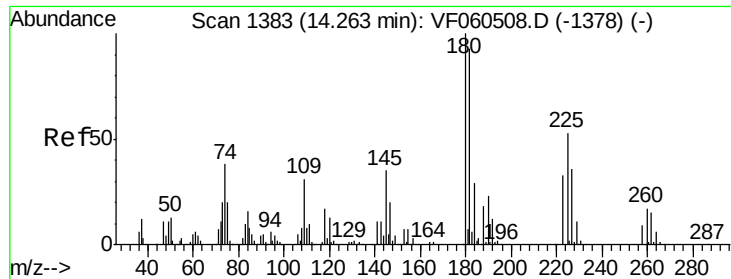
apatel
 10/29/2018 12:11:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.879 ug/l
 RT: 13.71 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.0	34.7	104.1
157	131.9	42.9	128.5#





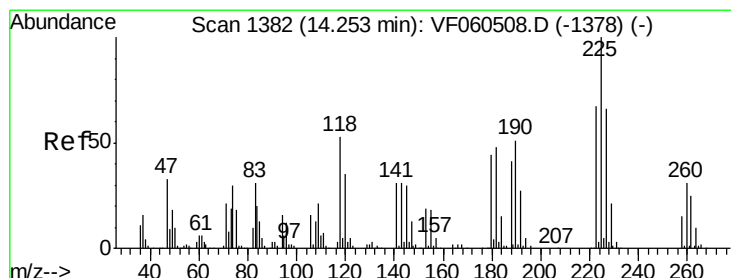
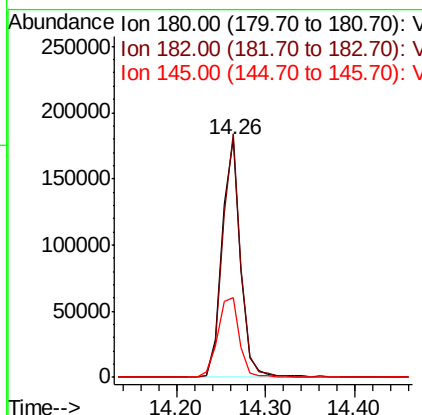
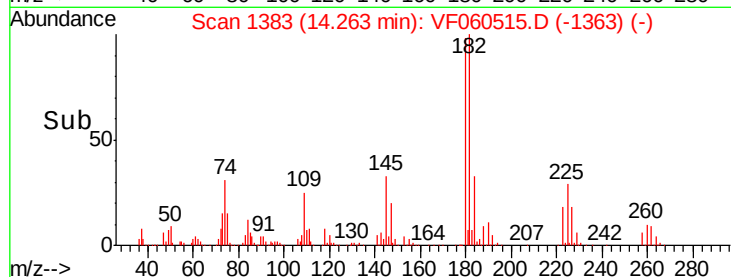
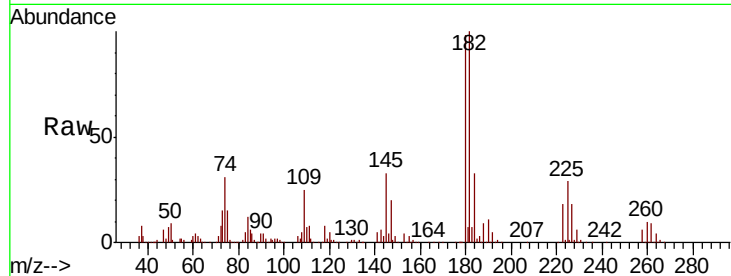
#93
 1,2,4-Trichlorobenzene
 Concen: 54.655 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	265738		
182	102.3	46.7	140.0	
145	33.4	17.3	52.0	

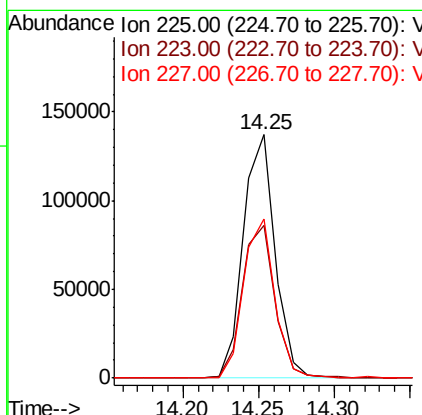
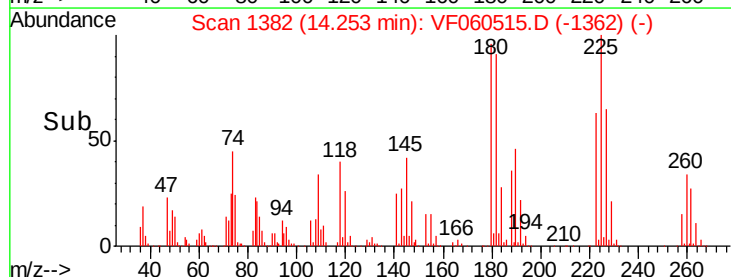
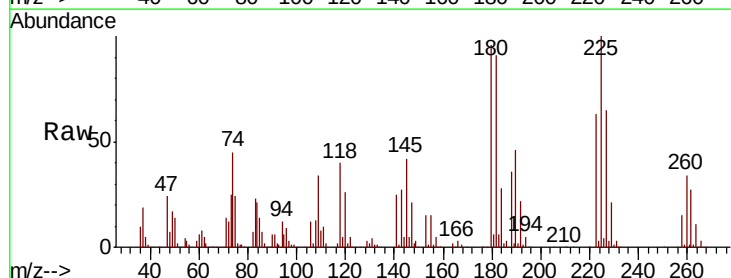
Manual Integrations
 APPROVED

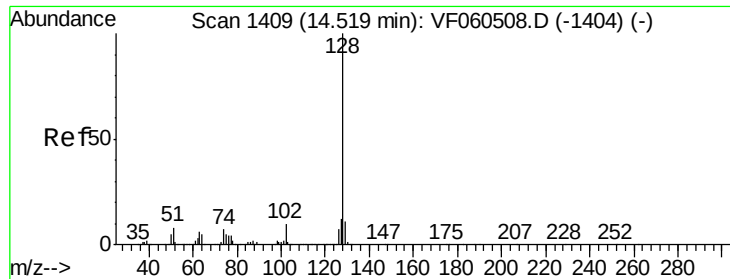
apatel
 10/29/2018 12:11:58 PM



#94
 Hexachlorobutadiene
 Concen: 55.066 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	200244		
223	63.0	33.4	100.2	
227	65.3	32.9	98.6	





#95

Naphthalene

Concen: 63.430 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.00 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

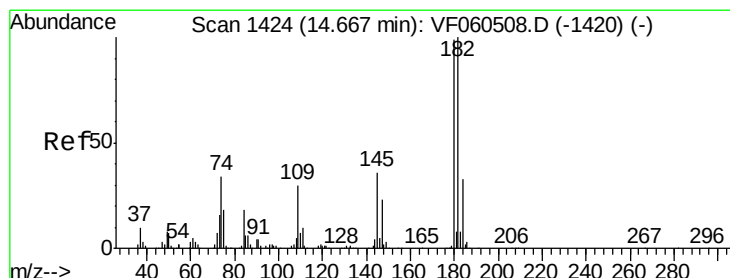
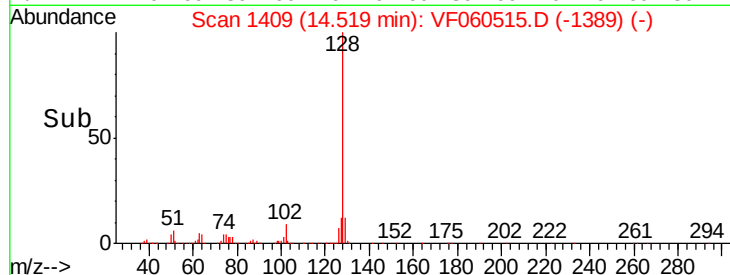
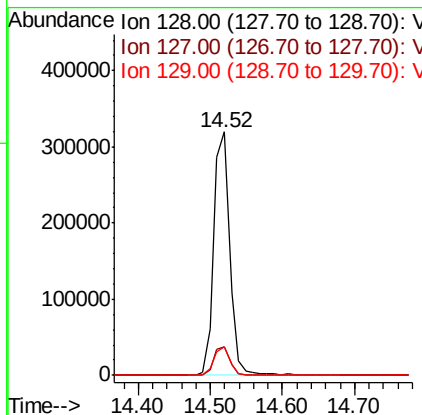
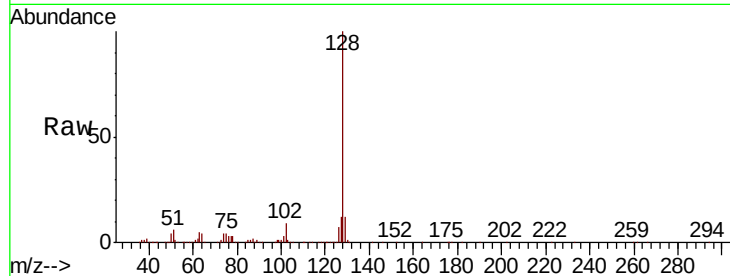
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	486428
Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.0	15.0
129	11.5	8.9	13.3

Manual Integrations
APPROVED

apatel
10/29/2018 12:11:58 PM



#96

1,2,3-Trichlorobenzene

Concen: 58.106 ug/l

RT: 14.66 min Scan# 1423

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Tgt Ion:	180	Resp:	259864
Ion	Ratio	Lower	Upper
180	100		
182	101.2	50.7	152.1
145	34.3	18.1	54.4

