

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121718\
 Data File : VF061040.D
 Acq On : 17 Dec 2018 14:45
 Operator : VA/AP
 Sample : VF1217SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Manual Integrations
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 12/18/2018 2:32:32 PM

Quant Time: Dec 18 03:28:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	181724	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.62	114	302774	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.79	117	286434	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	146737	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	115948	54.16	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	108.32%	
35) Dibromofluoromethane	4.13	113	118856	49.48	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	98.96%	
50) Toluene-d8	7.57	98	329999	46.64	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	93.28%	
62) 4-Bromofluorobenzene	11.43	95	154592	48.07	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	96.14%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	51669	19.016	ug/l	94
3) Chloromethane	1.10	50	38075	21.534	ug/l	89
4) Vinyl Chloride	1.14	62	35415	21.474	ug/l	94
5) Bromomethane	1.34	94	26126	22.465	ug/l	100
6) Chloroethane	1.40	64	17083	23.962	ug/l #	86
7) Trichlorofluoromethane	1.50	101	79995m	22.606	ug/l	
8) Diethyl Ether	1.64	74	10990	21.598	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.85	101	42650	23.841	ug/l	95
10) Methyl Iodide	1.92	142	62367m	22.936	ug/l	
11) Tert butyl alcohol	2.59	59	10841	123.537	ug/l	95
12) 1,1-Dichloroethene	1.80	96	31812	22.109	ug/l	96
13) Acrolein	2.01	56	5187	62.385	ug/l	96
14) Allyl chloride	2.11	41	34115	19.022	ug/l	93
15) Acrylonitrile	2.96	53	22072	112.188	ug/l	92
16) Acetone	2.25	43	51305	129.962	ug/l	96
17) Carbon Disulfide	1.84	76	83679m	21.689	ug/l	
18) Methyl Acetate	2.35	43	17218	25.178	ug/l	94
19) Methyl tert-butyl Ether	2.44	73	71883	22.181	ug/l	97
20) Methylene Chloride	2.27	84	33771m	23.319	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	31124m	22.436	ug/l	
22) Diisopropyl ether	2.81	45	111222	22.783	ug/l	95
23) Vinyl Acetate	3.20	43	271099	121.487	ug/l	98
24) 1,1-Dichloroethane	2.89	63	67994	23.410	ug/l	98
25) 2-Butanone	4.36	43	80998	118.624	ug/l	93
26) 2,2-Dichloropropane	3.62	77	40964	21.755	ug/l	96
27) cis-1,2-Dichloroethene	3.50	96	48241	21.361	ug/l	96
28) Bromochloromethane	3.73	49	33097	23.744	ug/l	94
29) Tetrahydrofuran	4.10	42	31959	110.419	ug/l	95
30) Chloroform	3.87	83	101658	22.741	ug/l	96
31) Cyclohexane	3.71	56	67445m	22.375	ug/l	
32) 1,1,1-Trichloroethane	4.11	97	63846	20.594	ug/l	96
36) 1,1-Dichloropropene	4.30	75	75026	22.341	ug/l	92
37) Ethyl Acetate	4.12	43	28196	20.661	ug/l #	81
38) Carbon Tetrachloride	4.00	117	57136	19.262	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	69321	19.697	ug/l	98
40) Benzene	4.65	78	165978	22.372	ug/l	96
41) Methacrylonitrile	4.77	41	15378	19.389	ug/l	93
42) 1,2-Dichloroethane	4.97	62	59727	22.051	ug/l	95
43) Isopropyl Acetate	6.98	43	36892	20.294	ug/l #	91
44) Trichloroethene	5.52	130	55275	22.786	ug/l	94
45) 1,2-Dichloropropane	6.25	63	43333	22.489	ug/l	100
46) Dibromomethane	6.10	93	29770	22.776	ug/l	92
47) Bromodichloromethane	6.40	83	76694	22.091	ug/l	98
48) Methyl methacrylate	6.73	41	25435	20.590	ug/l	94
49) 1,4-Dioxane	6.72	88	3123	345.434	ug/l #	64
51) 4-Methyl-2-Pentanone	8.28	43	139695	111.003	ug/l	100
52) Toluene	7.64	92	113366	21.754	ug/l	99
53) t-1,3-Dichloropropene	8.30	75	64726	22.921	ug/l	97
54) cis-1,3-Dichloropropene	7.32	75	75634	21.635	ug/l	94
55) 1,1,2-Trichloroethane	8.50	97	38744	25.515	ug/l	94
56) Ethyl methacrylate	8.64	69	37243	22.078	ug/l	96
57) 1,3-Dichloropropane	8.87	76	61916	23.306	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.32	63	33588	194.666	ug/l	95
59) 2-Hexanone	9.52	43	106860	121.033	ug/l	98
60) Dibromochloromethane	8.74	129	48849	21.590	ug/l	93
61) 1,2-Dibromoethane	9.00	107	35707	21.767	ug/l	95
64) Tetrachloroethene	8.17	164	45489	20.792	ug/l	97
65) Chlorobenzene	9.82	112	121405	21.787	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.95	131	51533	21.512	ug/l	96
67) Ethyl Benzene	9.92	91	238294	22.971	ug/l	96
68) m/p-Xylenes	10.15	106	163780	43.896	ug/l	97
69) o-Xylene	10.73	106	87047	21.157	ug/l	88
70) Styrene	10.81	104	124601	21.847	ug/l	98
71) Bromoform	10.79	173	23992	20.735	ug/l #	96
73) Isopropylbenzene	11.14	105	278647	24.030	ug/l	98
74) N-amyl acetate	11.39	43	59196	22.107	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.71	83	43310	22.694	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	34504	24.874	ug/l	91
77) Bromobenzene	11.51	156	55773	21.938	ug/l	76
78) n-propylbenzene	11.61	91	310121	22.837	ug/l	99
79) 2-Chlorotoluene	11.73	91	183851	23.612	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	223750	23.768	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.88	75	14931m	21.968	ug/l	
82) 4-Chlorotoluene	11.91	91	190825	23.288	ug/l	95
83) tert-Butylbenzene	12.14	119	228278	23.806	ug/l	95
84) 1,2,4-Trimethylbenzene	12.22	105	222012	23.630	ug/l	97
85) sec-Butylbenzene	12.32	105	301471	22.966	ug/l	98
86) p-Isopropyltoluene	12.47	119	248080	22.541	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	109666	22.678	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	106077	22.509	ug/l	96
89) n-Butylbenzene	12.86	91	263697	23.696	ug/l	96
90) Hexachloroethane	12.93	117	60435	22.804	ug/l	89
91) 1,2-Dichlorobenzene	12.96	146	103860	22.680	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.66	75	8213	22.259	ug/l	96

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MSVOA_F
ClientSampleId :
VF1217SBSD01

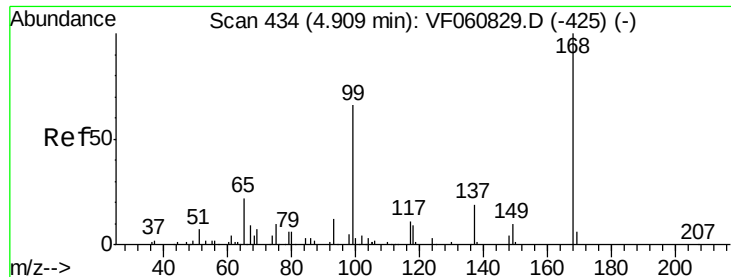
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	75964	23.740	ug/l	95
94) Hexachlorobutadiene	14.20	225	47841	22.429	ug/l	97
95) Naphthalene	14.47	128	134115	19.458	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	67234	22.630	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion:168 Resp: 181724

Ion Ratio Lower Upper

168 100

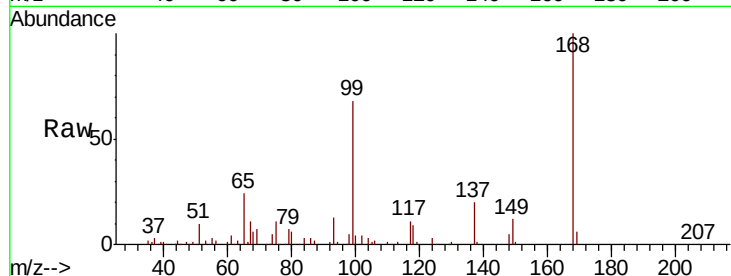
99 68.5 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

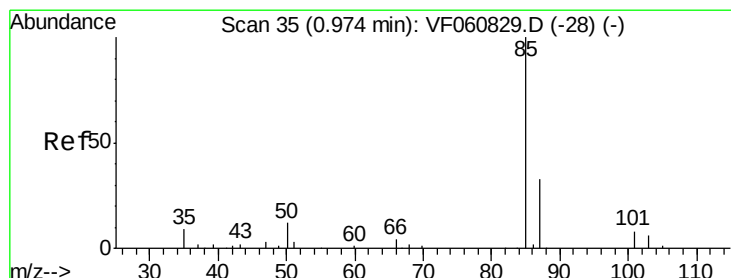
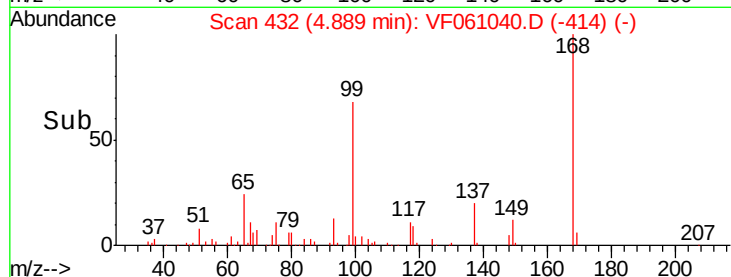
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 19.016 ug/l

RT: 0.97 min Scan# 35

Delta R.T. -0.00 min

Lab File: VF061040.D

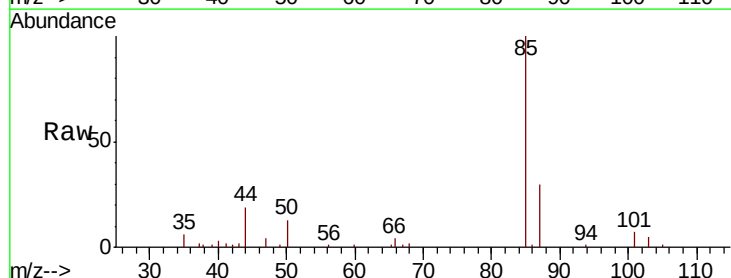
Acq: 17 Dec 2018 14:45

Tgt Ion: 85 Resp: 51669

Ion Ratio Lower Upper

85 100

87 29.9 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

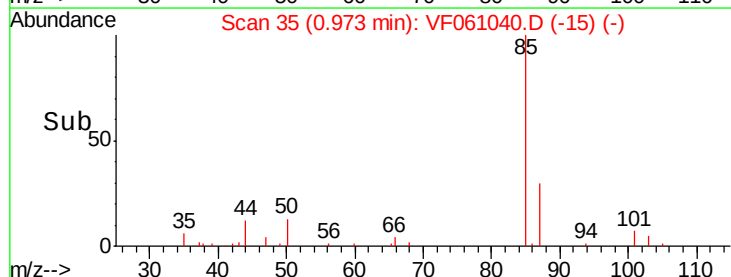
15000

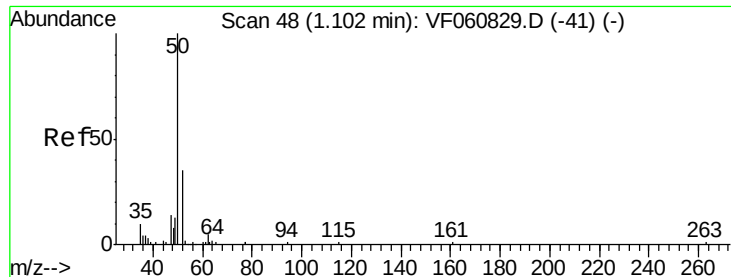
10000

5000

0

Time--> 0.90 1.00 1.10





#3

Chloromethane

Concen: 21.534 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 50 Resp: 38075

Ion Ratio Lower Upper

50 100

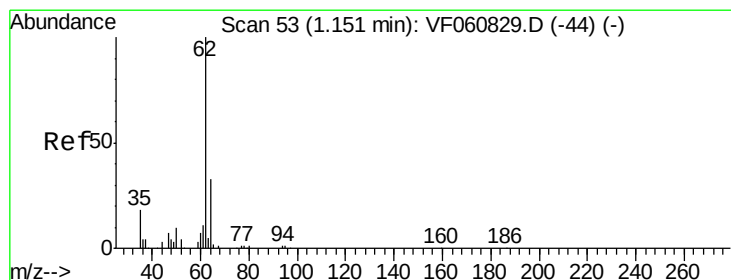
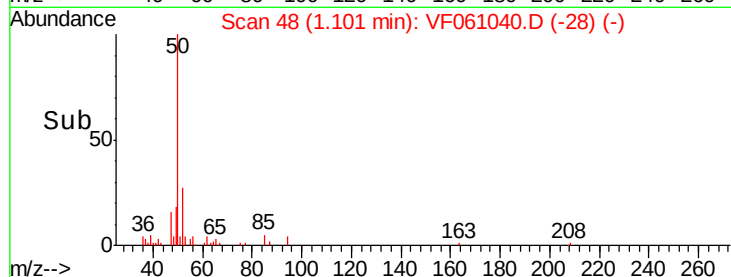
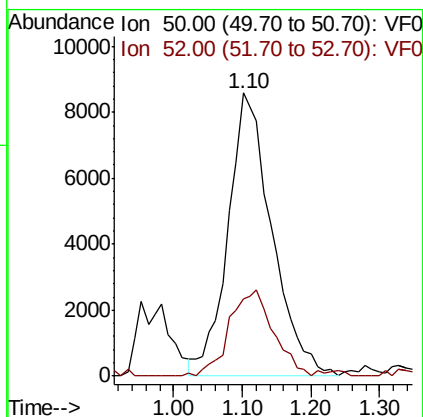
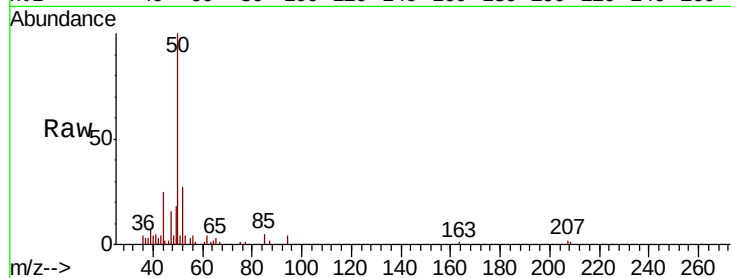
52 27.3 27.0 40.4

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#4

Vinyl Chloride

Concen: 21.474 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF061040.D

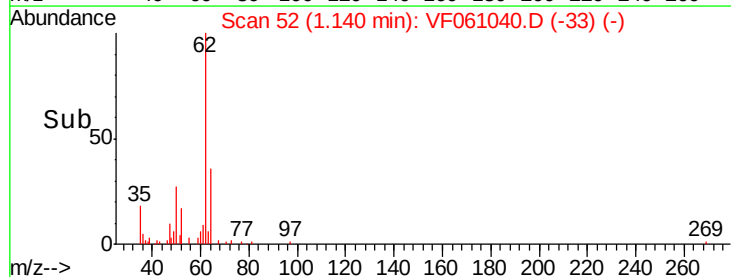
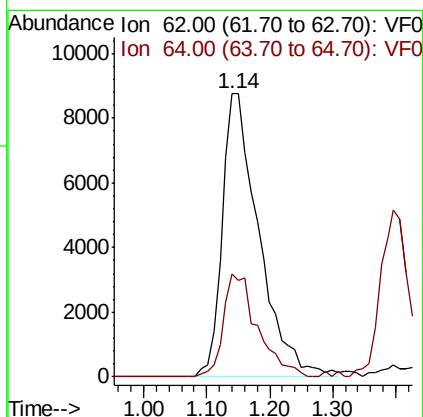
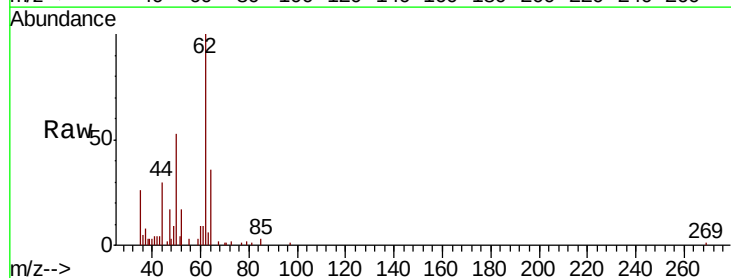
Acq: 17 Dec 2018 14:45

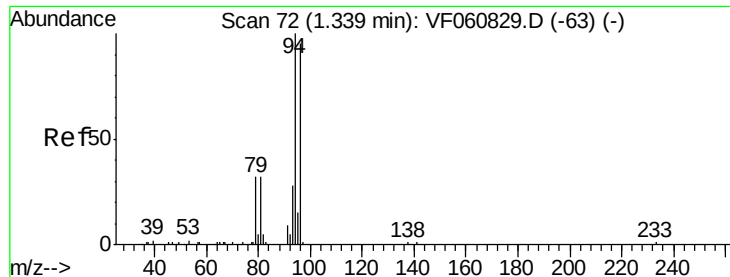
Tgt Ion: 62 Resp: 35415

Ion Ratio Lower Upper

62 100

64 36.4 26.4 39.6





#5

Bromomethane

Concen: 22.465 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 94 Resp: 26126

Ion Ratio Lower Upper

94 100

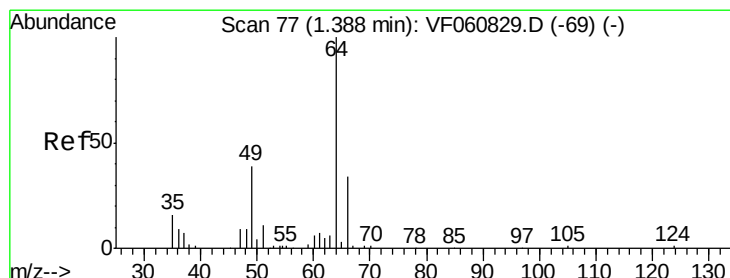
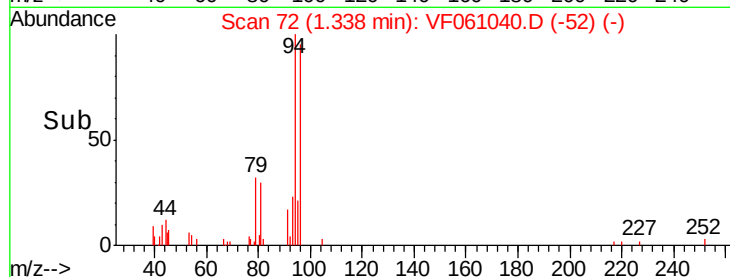
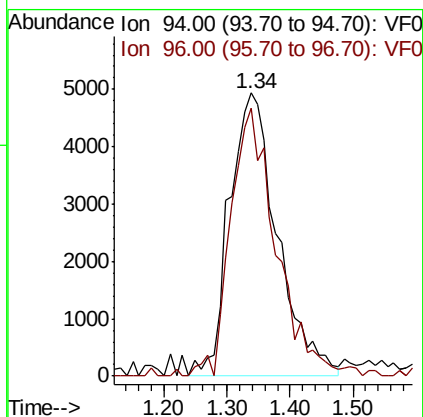
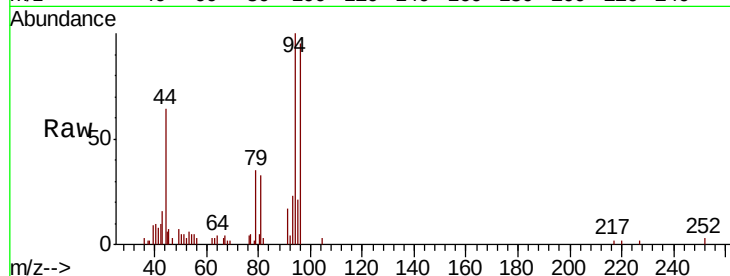
96 94.6 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 23.962 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF061040.D

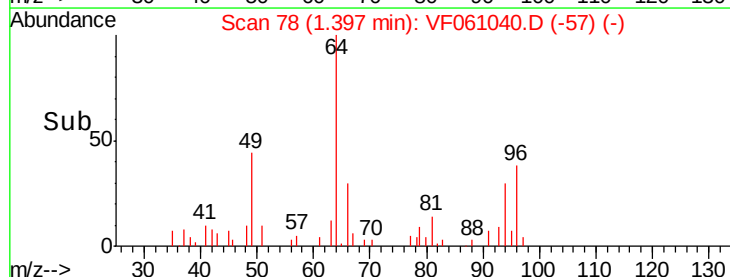
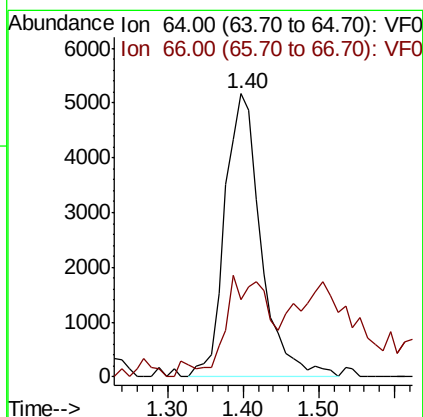
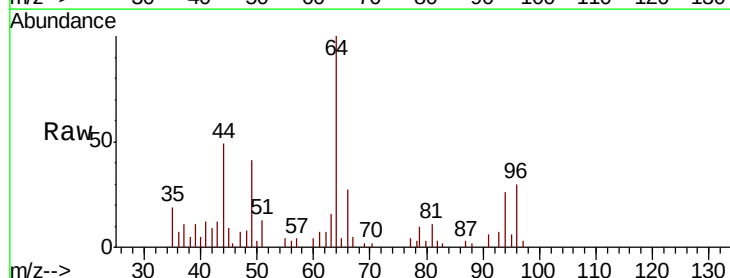
Acq: 17 Dec 2018 14:45

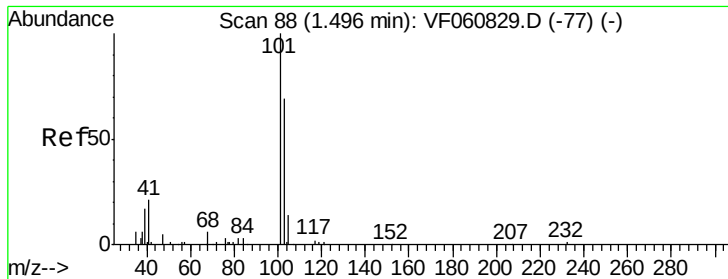
Tgt Ion: 64 Resp: 17083

Ion Ratio Lower Upper

64 100

66 27.1 28.1 42.1#





#7

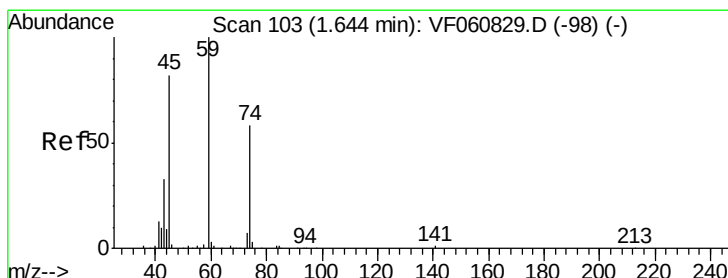
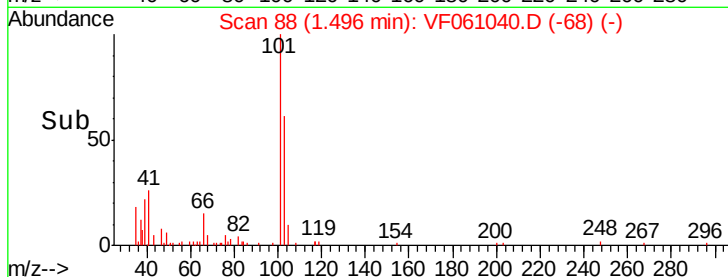
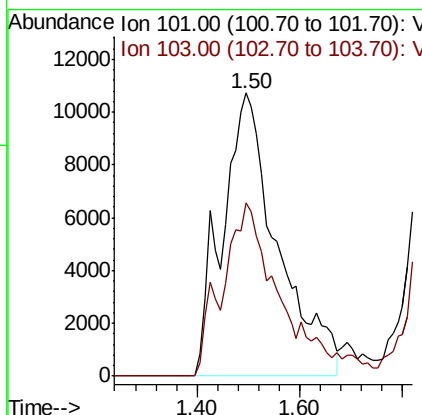
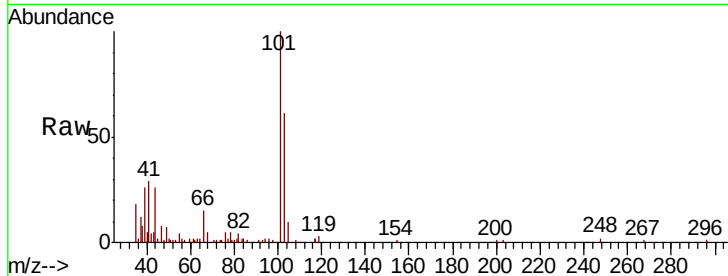
Trichlorofluoromethane
Concen: 22.606 ug/l m
RT: 1.50 min Scan# 88
Delta R.T. -0.00 min
Lab File: VF061040.D
Acq: 17 Dec 2018 14:45

Instrument :
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ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.0	55.4	83.0

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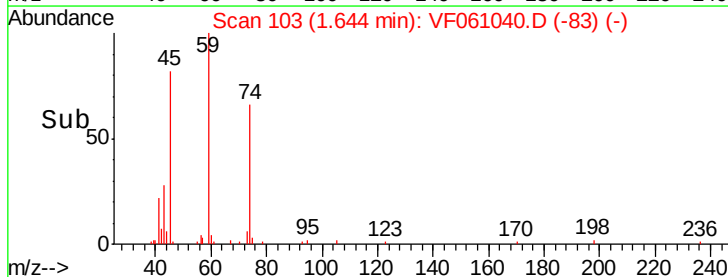
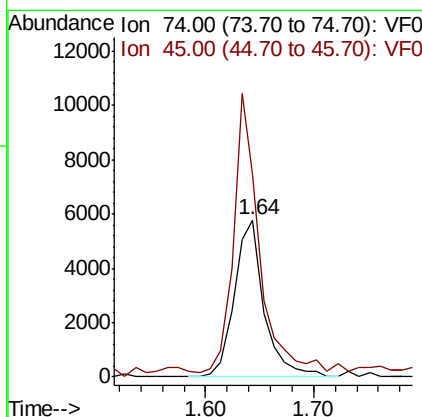
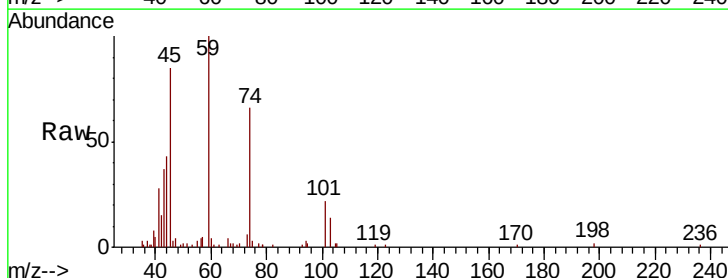
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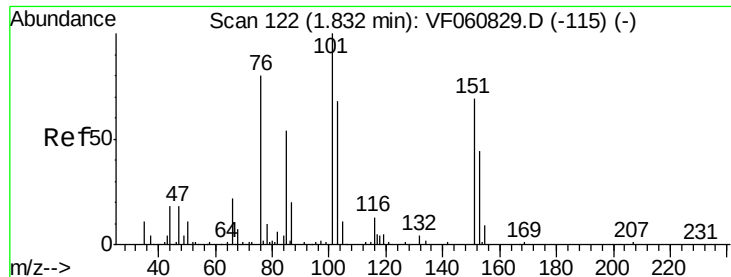


#8

Diethyl Ether
Concen: 21.598 ug/l
RT: 1.64 min Scan# 103
Delta R.T. -0.00 min
Lab File: VF061040.D
Acq: 17 Dec 2018 14:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	129.3	71.0	212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.841 ug/l

RT: 1.85 min Scan# 124

Delta R.T. 0.02 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Instrument :

MSVOA_F

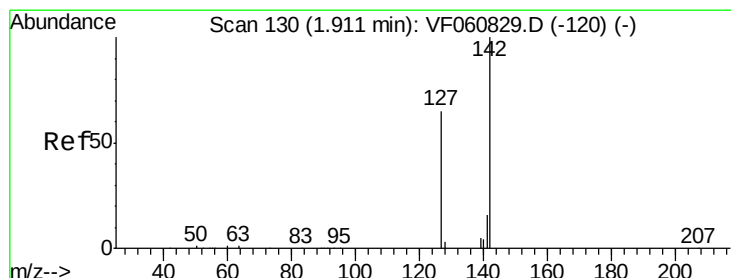
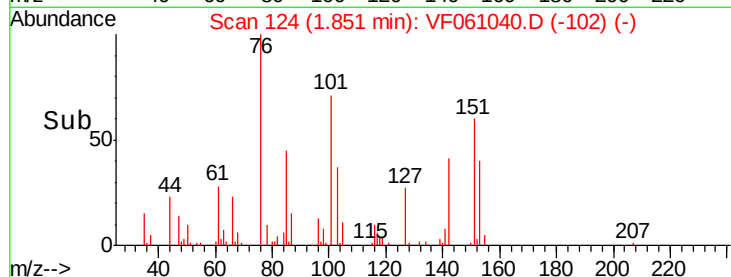
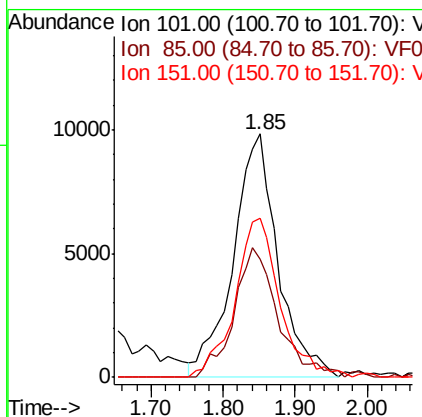
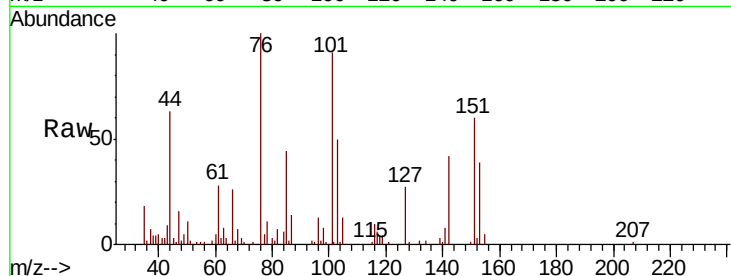
ClientSampleId :

VF1217SBS01

Tot Ion:	101	Resp:	42650
Ion Ratio	Lower	Upper	
101	100		
85	48.7	42.8	64.2
151	65.3	54.4	81.6

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#10

Methyl Iodide

Concen: 22.936 ug/l m

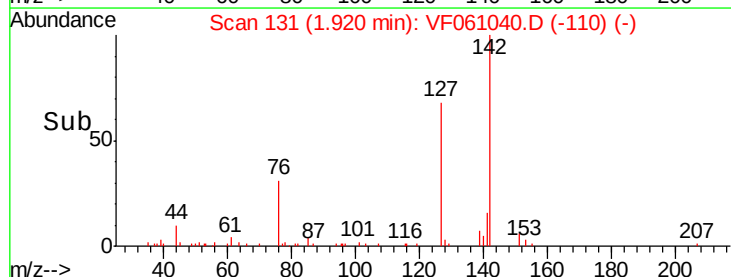
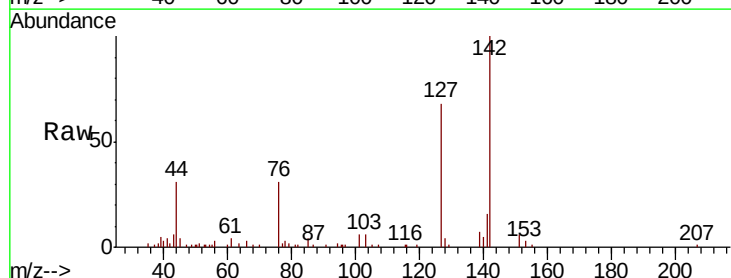
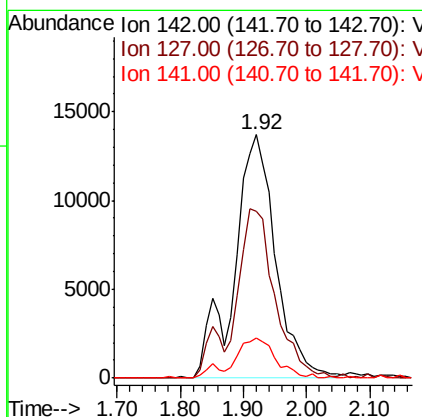
RT: 1.92 min Scan# 131

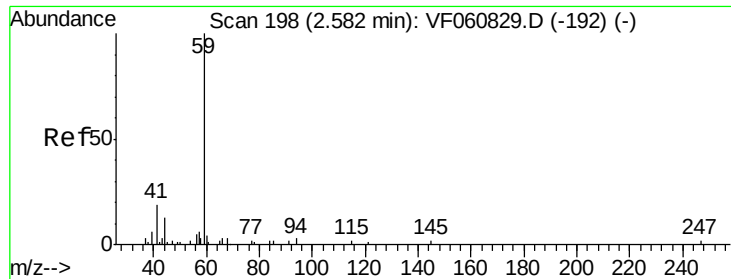
Delta R.T. 0.01 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Tgt Ion:	142	Resp:	62367
Ion Ratio	Lower	Upper	
142	100		
127	68.3	51.9	77.9
141	16.2	12.7	19.1





#11

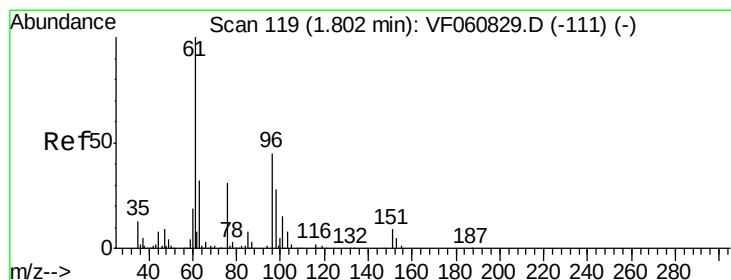
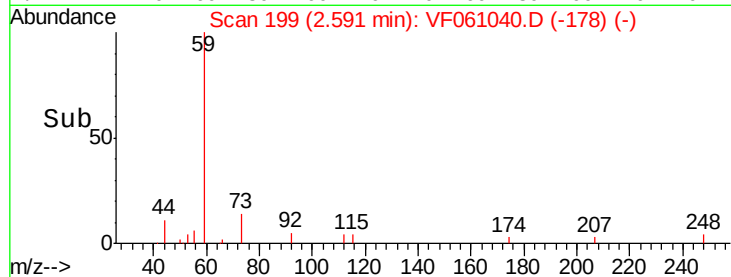
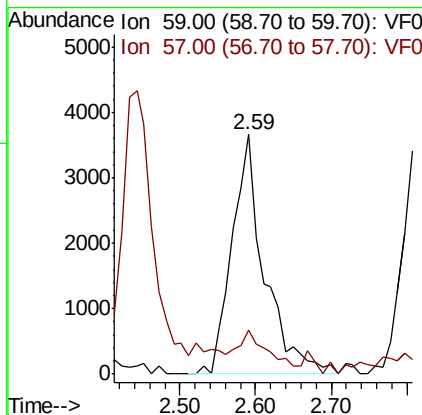
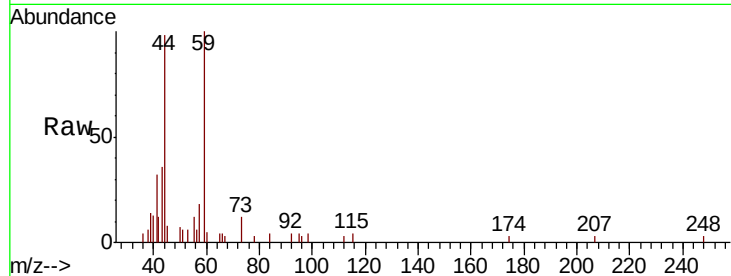
Tert butyl alcohol
 Concen: 123.537 ug/l
 RT: 2.59 min Scan# 199
 Delta R.T. 0.01 min
 Lab File: VF061040.D
 Acq: 17 Dec 2018 14:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Tot Ion	59	Resp	10841
Ion Ratio	59	100	
Lower	57	18.2	12.7
Upper			19.1

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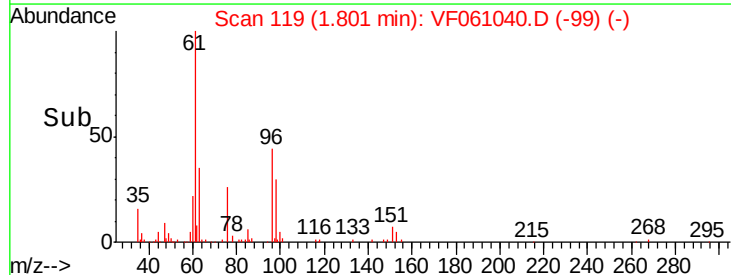
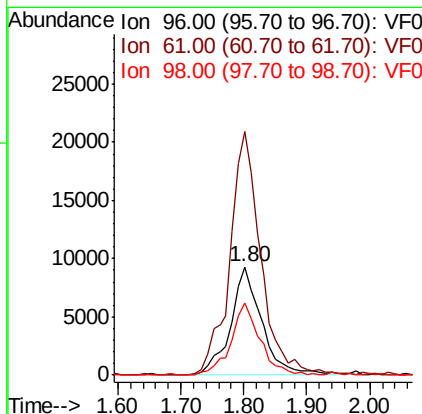
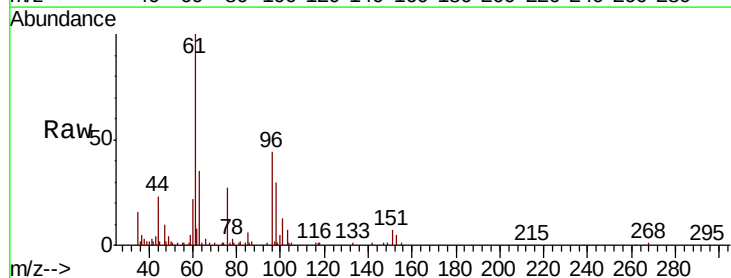
apatel
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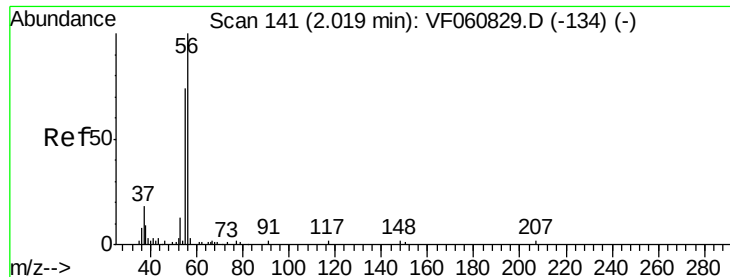


#12

1,1-Dichloroethene
 Concen: 22.109 ug/l
 RT: 1.80 min Scan# 119
 Delta R.T. -0.00 min
 Lab File: VF061040.D
 Acq: 17 Dec 2018 14:45

Tgt Ion	96	Resp	31812
Ion Ratio	96	100	
Lower	61	225.4	177.3
Upper	98	69.0	49.6





#13

Acrolein

Concen: 62.385 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 56 Resp: 5187

Ion Ratio Lower Upper

56 100

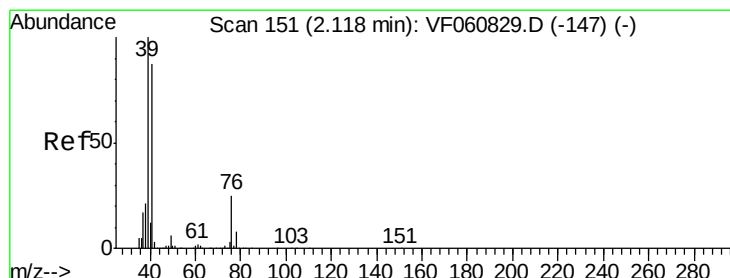
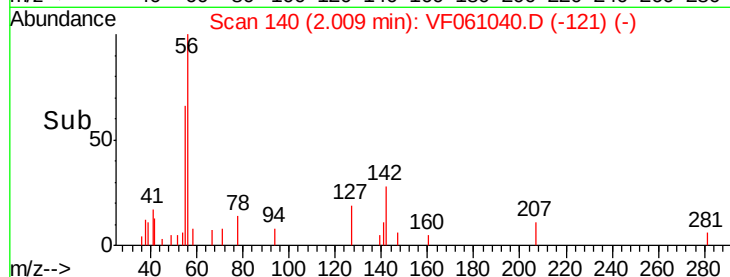
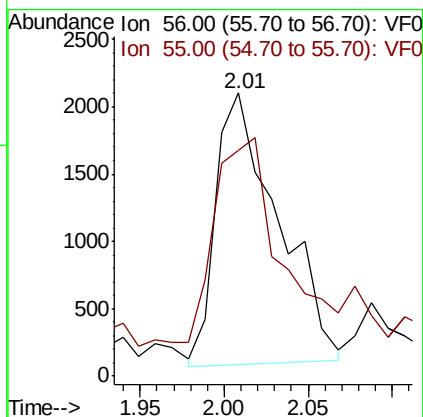
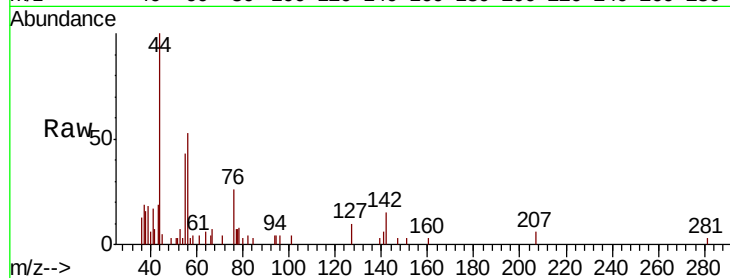
55 79.9 61.2 91.8

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#14

Allyl chloride

Concen: 19.022 ug/l

RT: 2.11 min Scan# 150

Delta R.T. -0.01 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

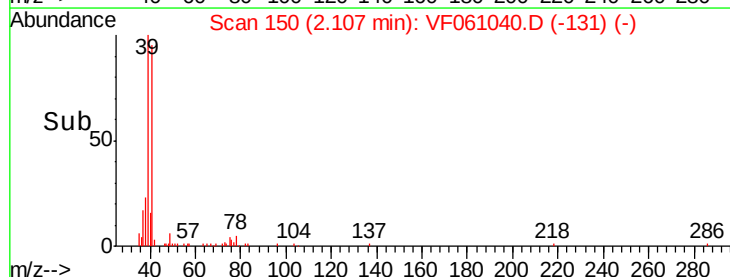
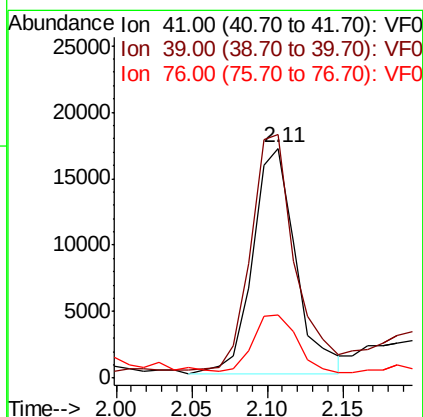
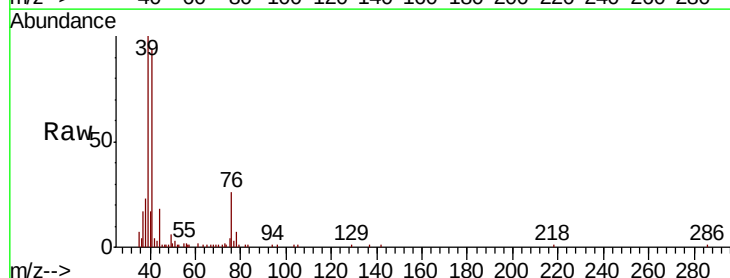
Tgt Ion: 41 Resp: 34115

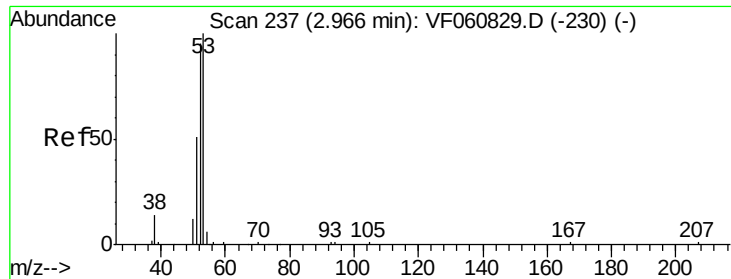
Ion Ratio Lower Upper

41 100

39 105.9 91.7 137.5

76 27.5 23.5 35.3





#15

Acrylonitrile

Concen: 112.188 ug/l

RT: 2.96 min Scan# 236

Delta R.T. -0.01 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Instrument :

MSVOA_F

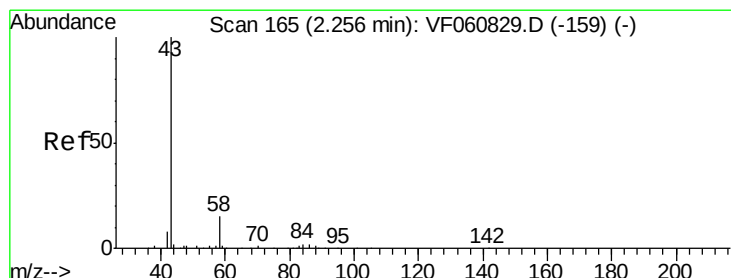
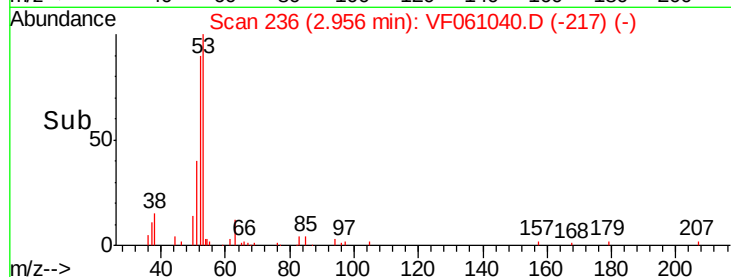
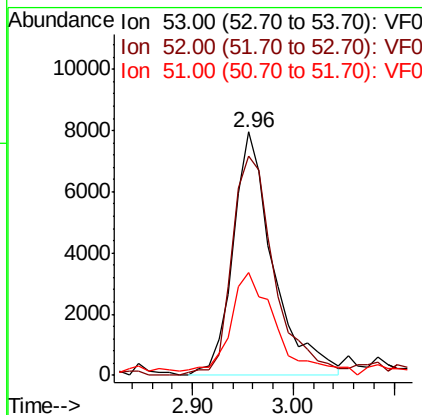
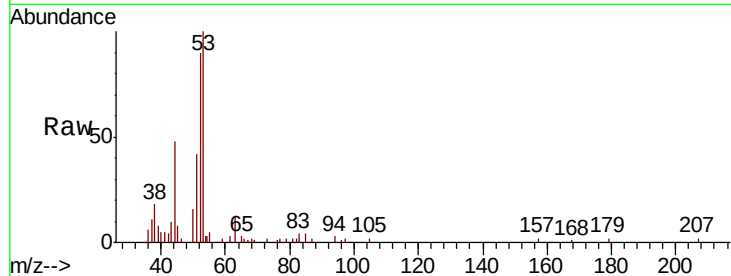
ClientSampleId :

VF1217SBS01

Tot Ion:	53	Resp:	22072
Ion	Ratio	Lower	Upper
53	100		
52	90.0	76.5	114.7
51	42.4	40.7	61.1

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#16

Acetone

Concen: 129.962 ug/l

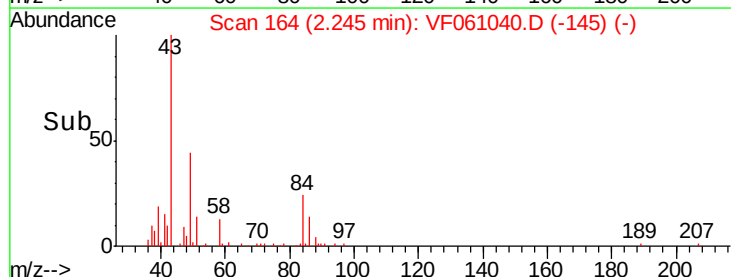
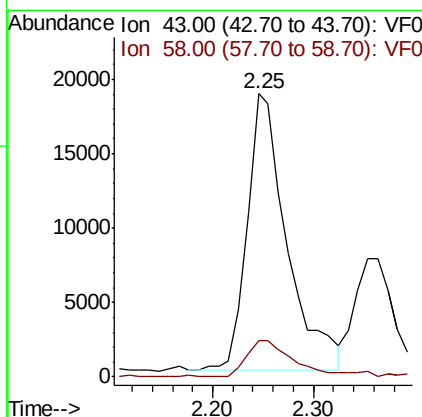
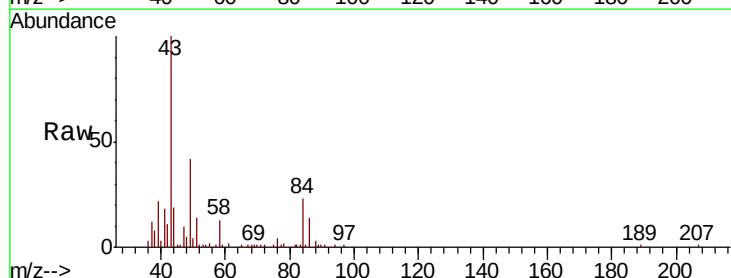
RT: 2.25 min Scan# 164

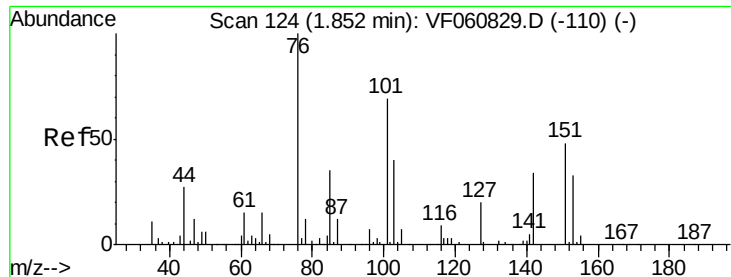
Delta R.T. -0.01 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Tgt Ion:	43	Resp:	51305
Ion	Ratio	Lower	Upper
43	100		
58	12.6	11.4	17.2





#17

Carbon Disulfide

Concen: 21.689 ug/l m

RT: 1.84 min Scan# 123

Delta R.T. -0.01 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Tot Ion: 76 Resp: 83679

Ion Ratio Lower Upper

76 100

78 11.3 10.2 15.2

Instrument :

MSVOA_F

ClientSampleId :

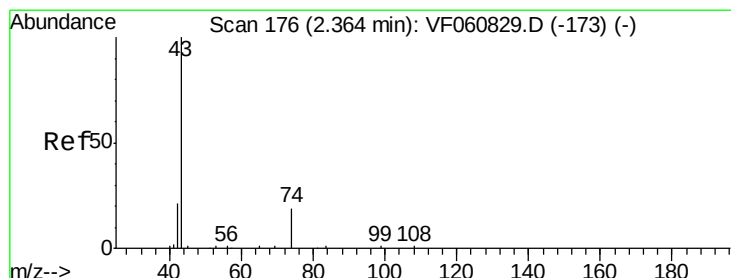
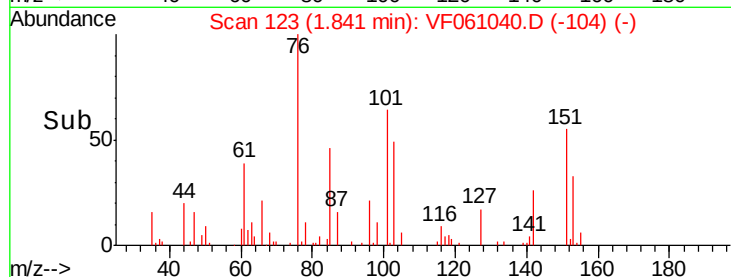
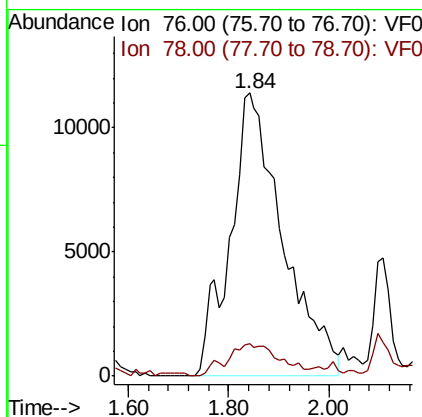
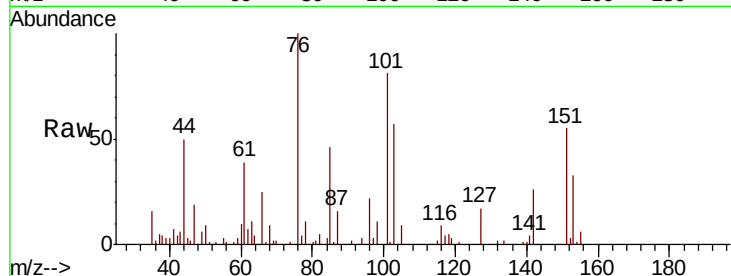
VF1217SBS01

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#18

Methyl Acetate

Concen: 25.178 ug/l

RT: 2.35 min Scan# 175

Delta R.T. -0.01 min

Lab File: VF061040.D

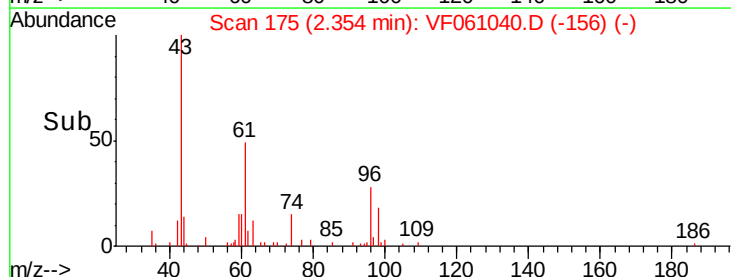
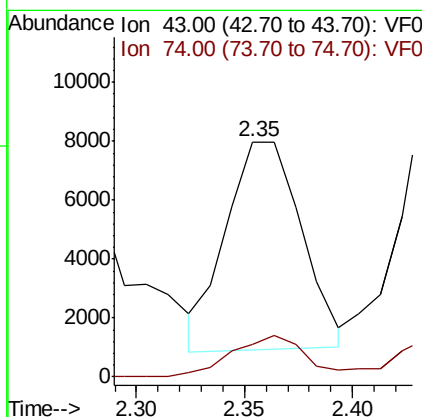
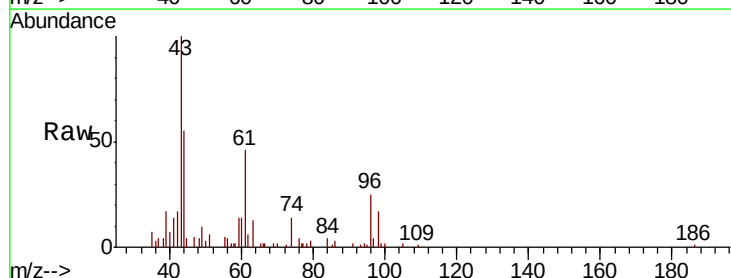
Acq: 17 Dec 2018 14:45

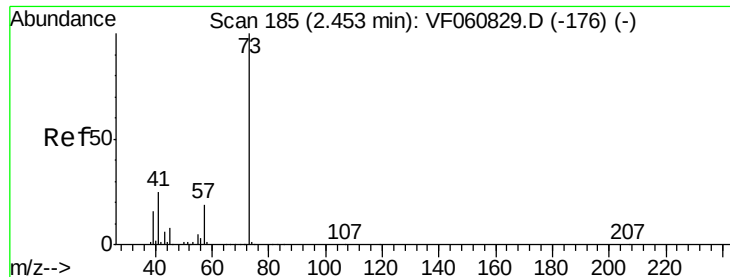
Tgt Ion: 43 Resp: 17218

Ion Ratio Lower Upper

43 100

74 14.1 13.3 19.9





#19

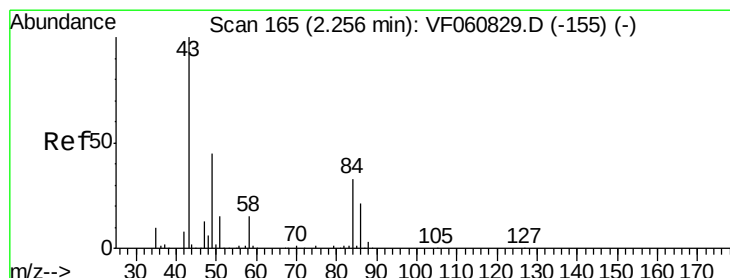
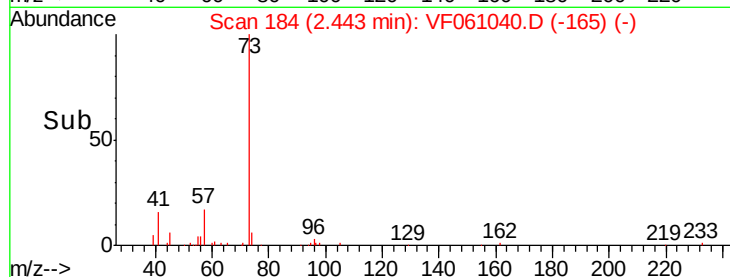
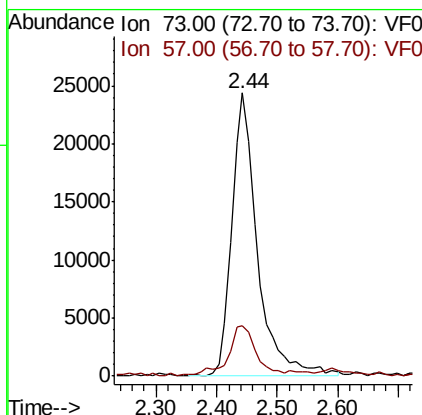
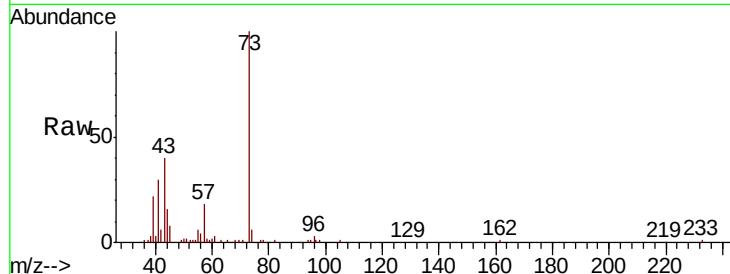
Methyl tert-butyl Ether
 Concen: 22.181 ug/l
 RT: 2.44 min Scan# 184
 Delta R.T. -0.01 min
 Lab File: VF061040.D
 Acq: 17 Dec 2018 14:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Tot Ion	73	Resp	71883
Ion Ratio	100	Lower	Upper
73	100	15.3	22.9
57	17.7		

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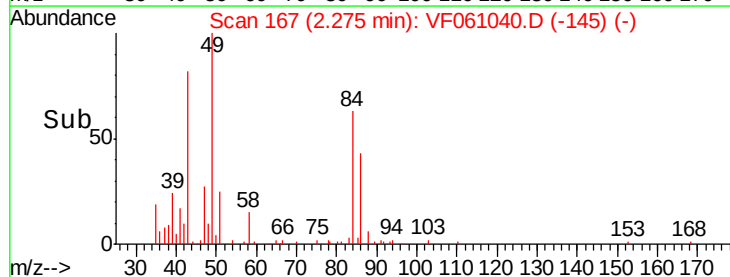
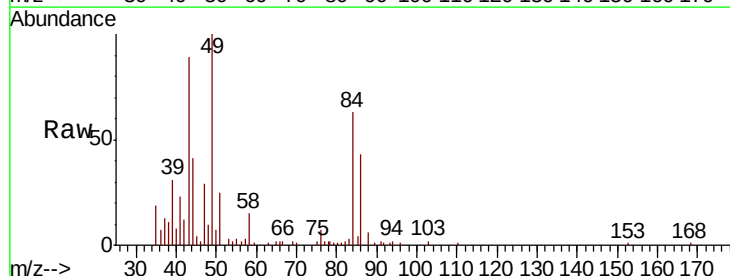
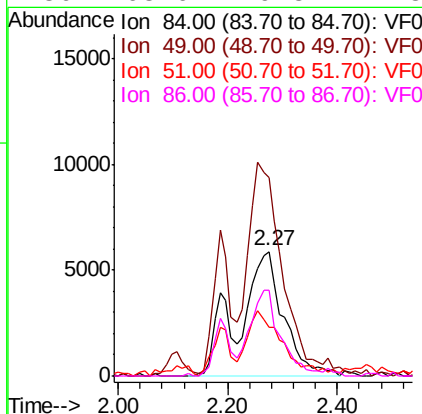
apatel
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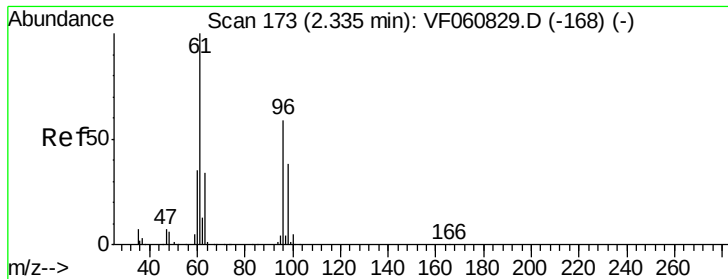


#20

Methylene Chloride
 Concen: 23.319 ug/l m
 RT: 2.27 min Scan# 167
 Delta R.T. 0.02 min
 Lab File: VF061040.D
 Acq: 17 Dec 2018 14:45

Tgt Ion	84	Resp	33771
Ion Ratio	100	Lower	Upper
84	100	111.3	166.9
49	159.9	38.0	57.0
51	39.4	49.8	74.8
86	68.6		





#21

trans-1,2-Dichloroethene

Concen: 22.436 ug/l m

RT: 2.31 min Scan# 171

Delta R.T. -0.02 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Instrument :

MSVOA_F

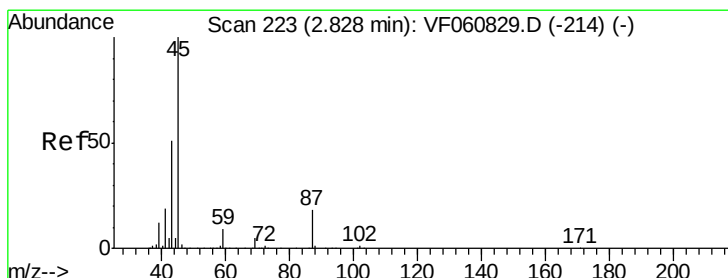
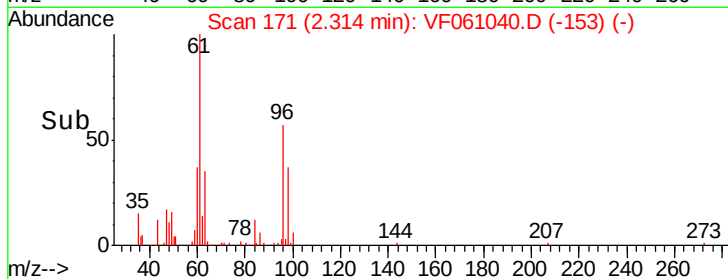
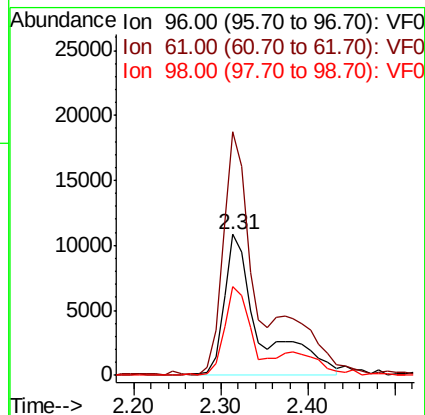
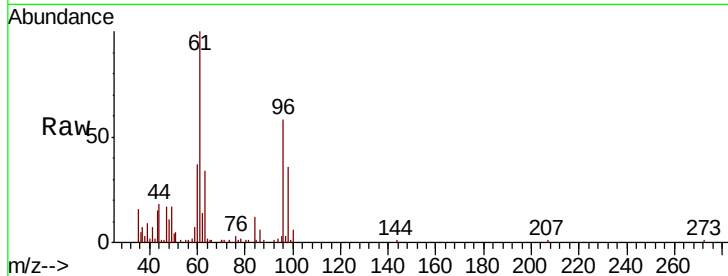
ClientSampleId :

VF1217SBS01

Tot Ion:	96	Resp:	31124
Ion	Ratio	Lower	Upper
96	100		
61	172.7	134.5	201.7
98	62.8	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.783 ug/l

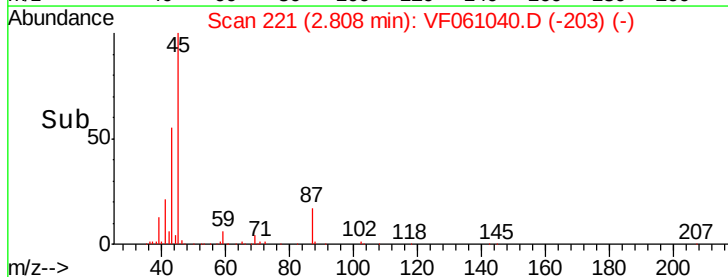
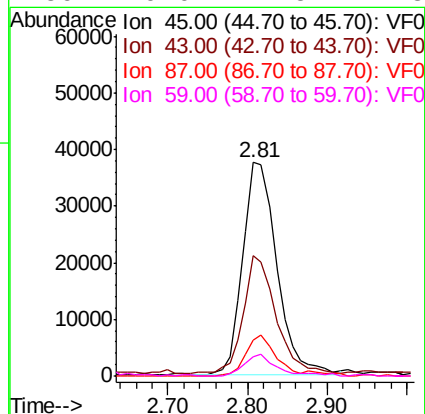
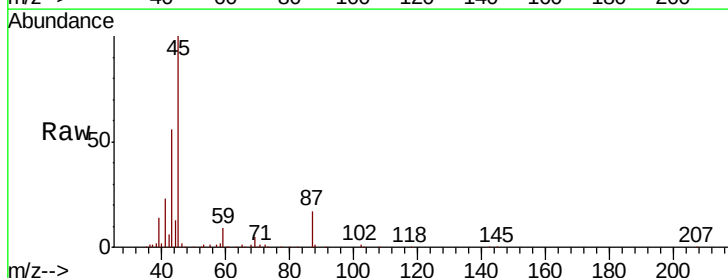
RT: 2.81 min Scan# 221

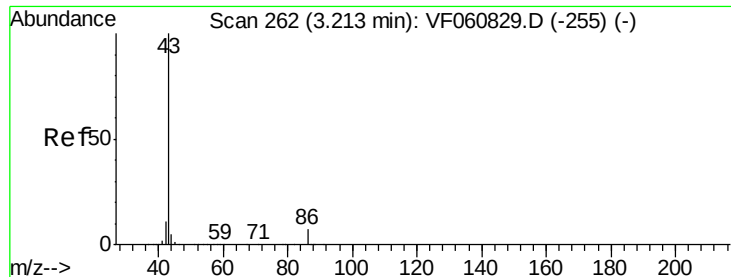
Delta R.T. -0.02 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Tgt Ion:	45	Resp:	111222
Ion	Ratio	Lower	Upper
45	100		
43	56.2	41.0	61.6
87	17.0	14.6	22.0
59	9.0	7.5	11.3





#23

Vinyl Acetate

Concen: 121.487 ug/l

RT: 3.20 min Scan# 261

Delta R.T. -0.01 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 43 Resp: 271099

Ion Ratio Lower Upper

43 100

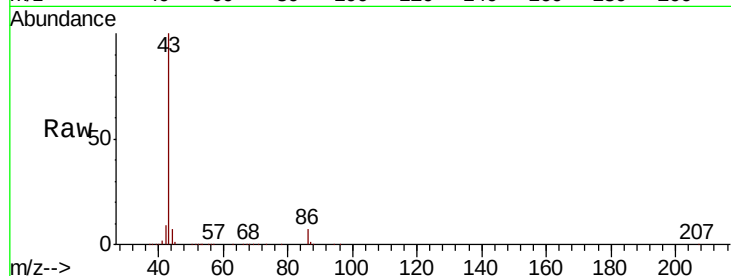
86 7.4 5.4 8.0

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.20

120000

100000

80000

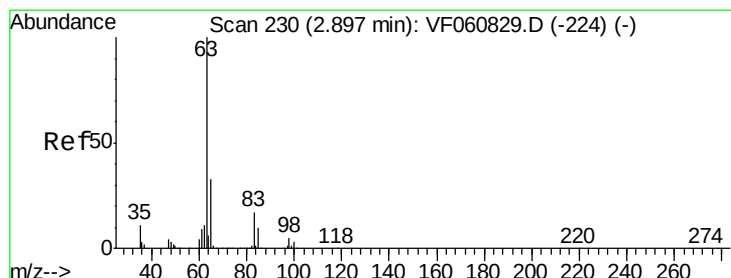
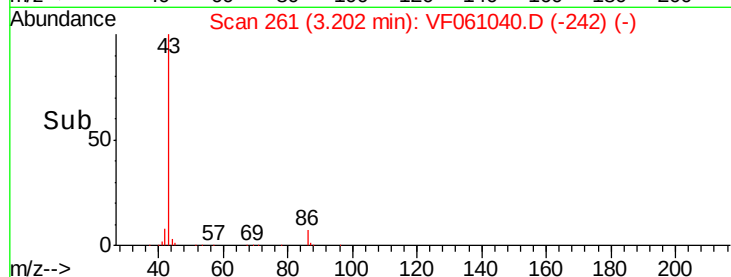
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 23.410 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.01 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

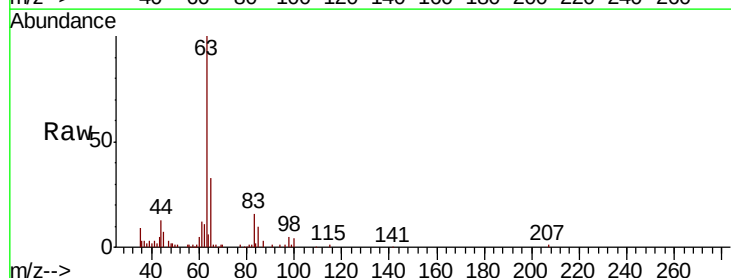
Tgt Ion: 63 Resp: 67994

Ion Ratio Lower Upper

63 100

98 4.7 2.7 8.1

100 3.6 1.5 4.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.89

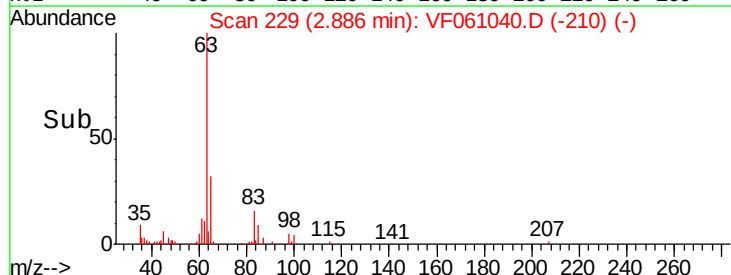
30000

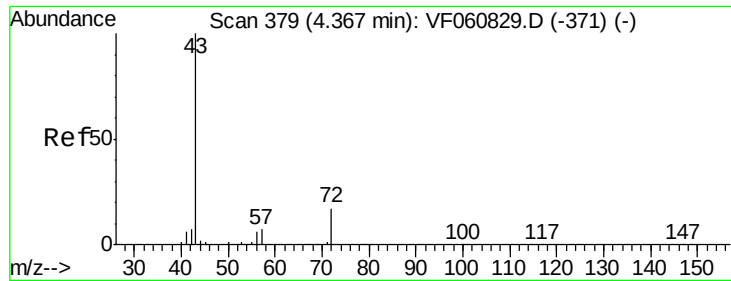
20000

10000

0

Time-->





#25

2-Butanone

Concen: 118.624 ug/l

RT: 4.36 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 43 Resp: 80998

Ion Ratio Lower Upper

43 100

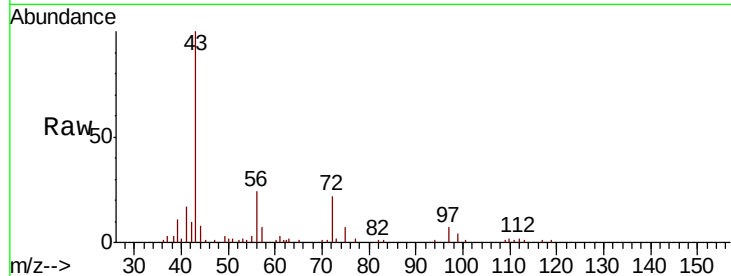
72 22.3 15.4 23.2

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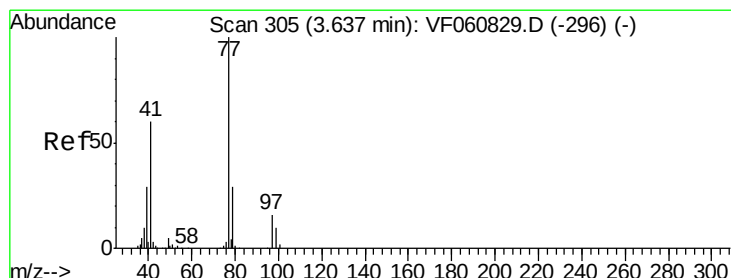
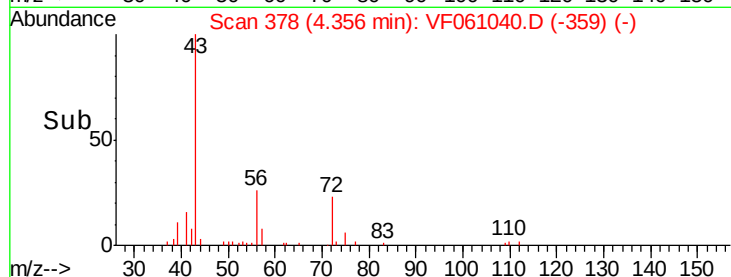
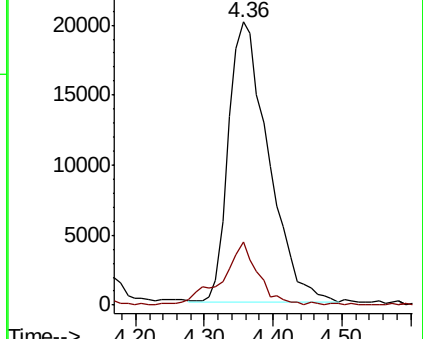
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 21.755 ug/l

RT: 3.62 min Scan# 303

Delta R.T. -0.02 min

Lab File: VF061040.D

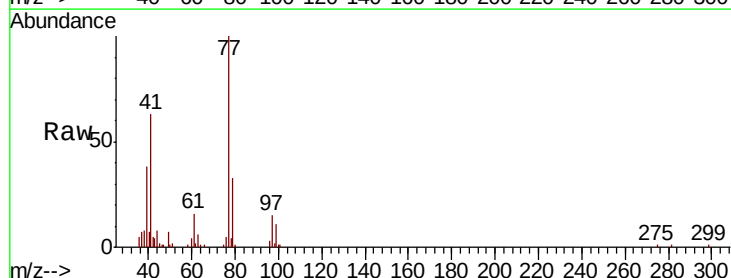
Acq: 17 Dec 2018 14:45

Tgt Ion: 77 Resp: 40964

Ion Ratio Lower Upper

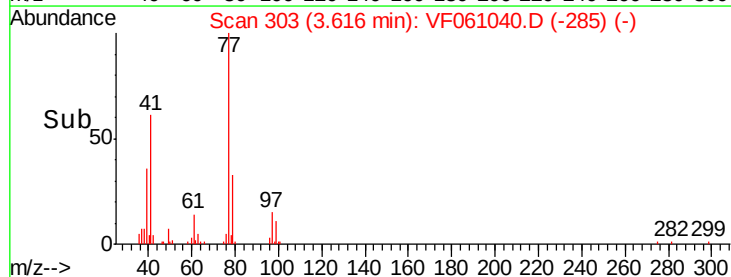
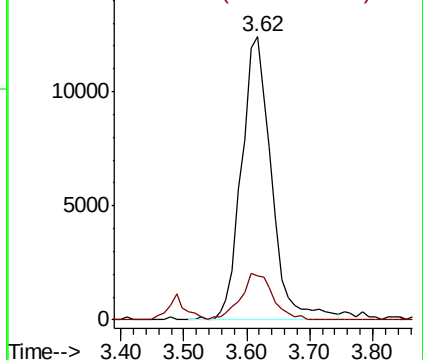
77 100

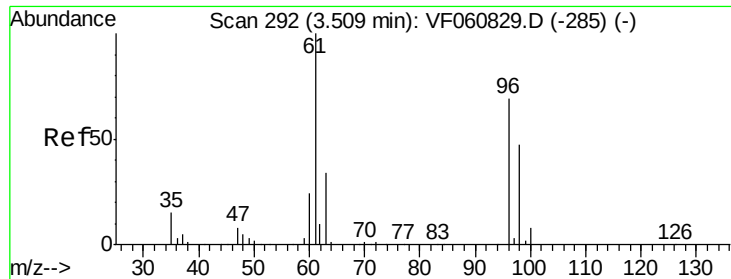
97 15.5 8.6 25.8



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

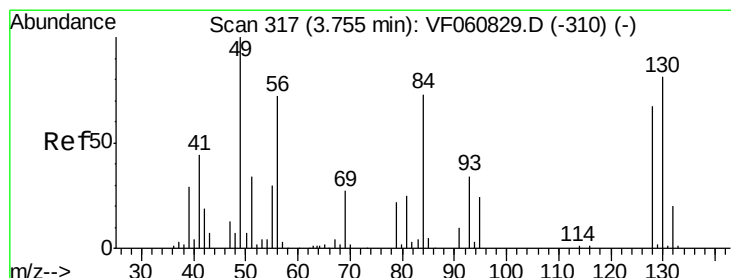
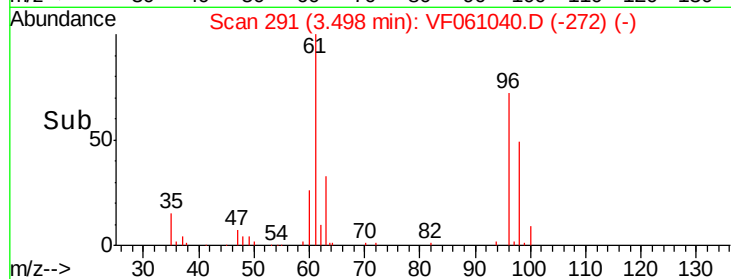
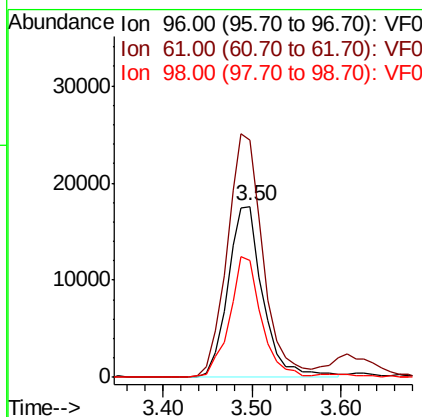
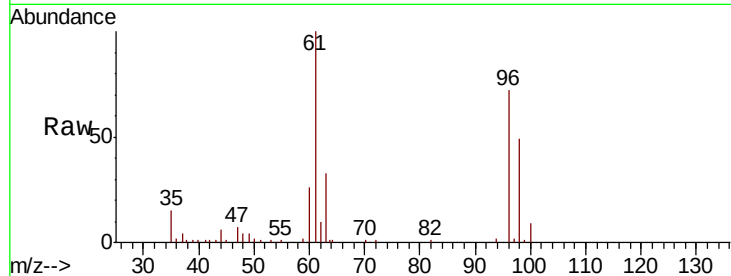
cis-1,2-Dichloroethene
Concen: 21.361 ug/l
RT: 3.50 min Scan# 291
Delta R.T. -0.01 min
Lab File: VF061040.D
Acq: 17 Dec 2018 14:45

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	290.6
98	68.1	0.0	137.8

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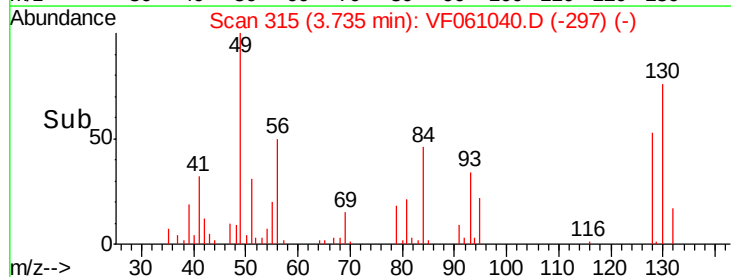
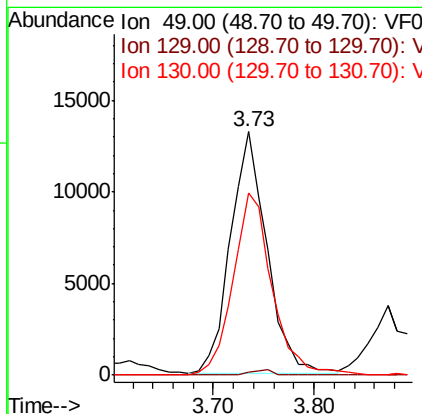
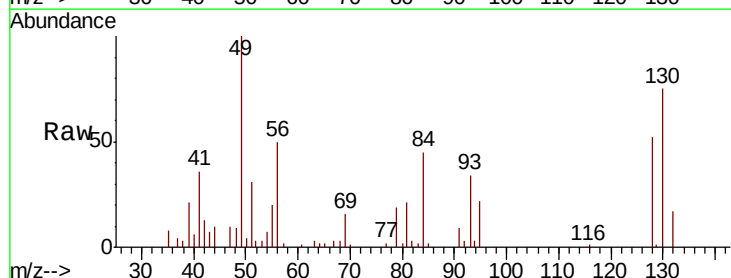
apatel
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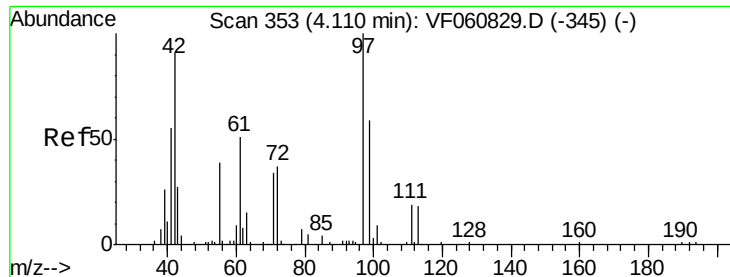


#28

Bromochloromethane
Concen: 23.744 ug/l
RT: 3.73 min Scan# 315
Delta R.T. -0.02 min
Lab File: VF061040.D
Acq: 17 Dec 2018 14:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.4
130	75.0	64.2	96.4





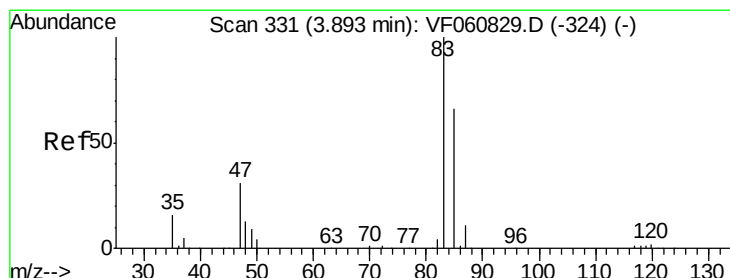
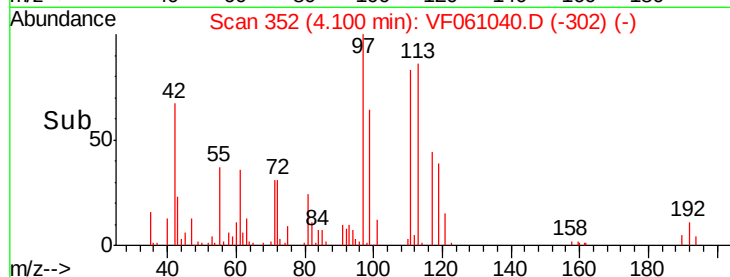
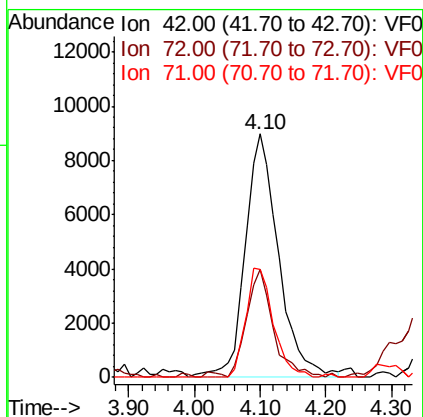
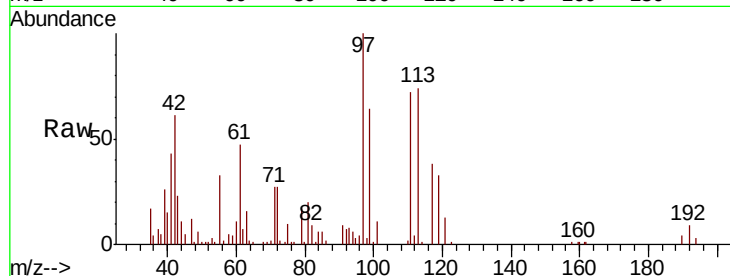
#29
Tetrahydrofuran
Concen: 110.419 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF061040.D
Acq: 17 Dec 2018 14:45

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.4	31.9	47.9
71	37.1	28.7	43.1

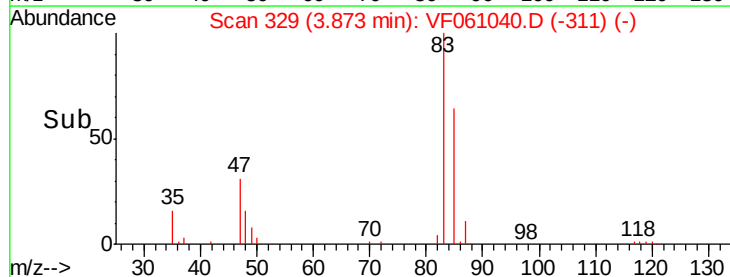
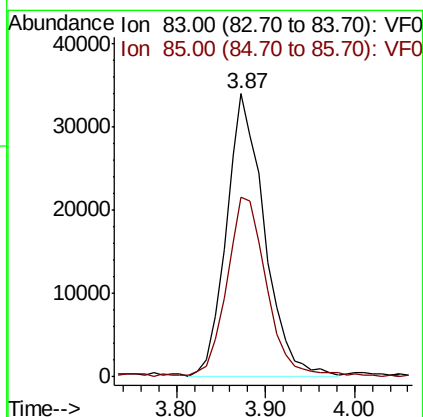
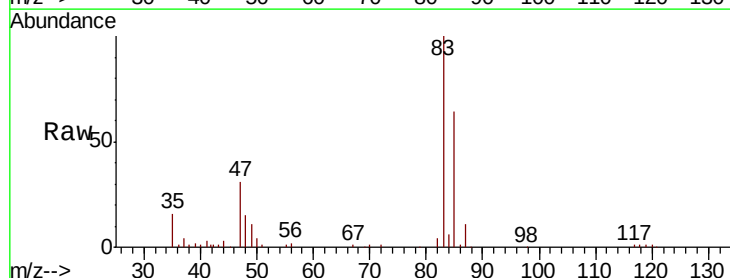
Manual Integrations
APPROVED

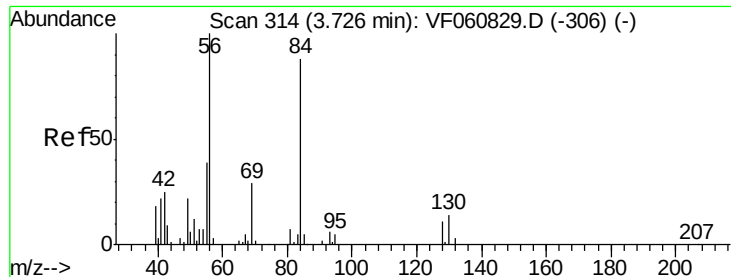
apatel
12/18/2018 2:32:32 PM



#30
Chloroform
Concen: 22.741 ug/l
RT: 3.87 min Scan# 329
Delta R.T. -0.02 min
Lab File: VF061040.D
Acq: 17 Dec 2018 14:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	53.4	80.2





#31

Cyclohexane

Concen: 22.375 ug/l m

RT: 3.71 min Scan# 312

Delta R.T. -0.02 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Instrument :

MSVOA_F

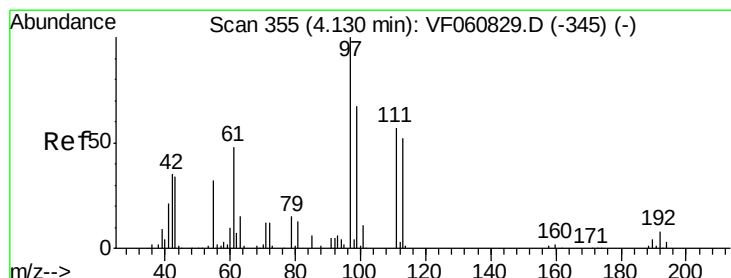
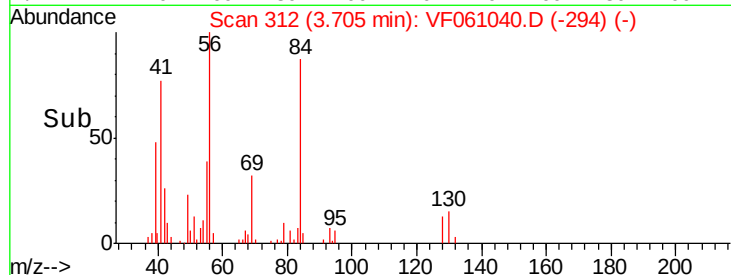
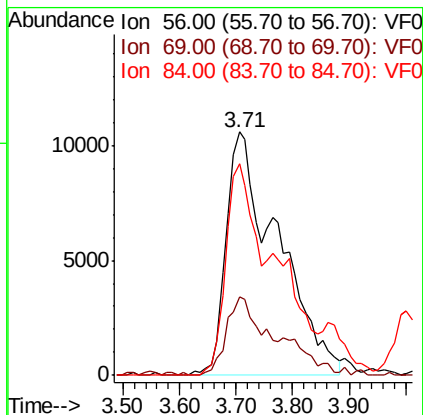
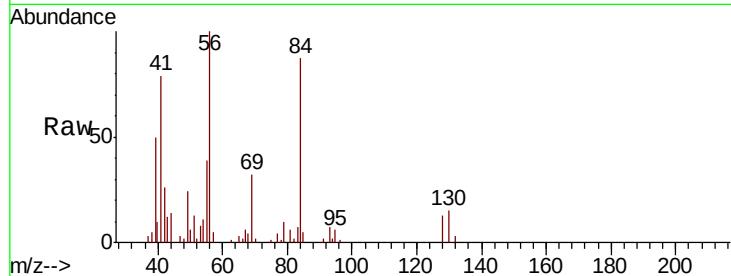
ClientSampleId :

VF1217SBS01

Tot Ion:	56	Resp:	67445
Ion Ratio	Lower	Upper	
56	100		
69	32.1	23.0	34.4
84	86.9	70.4	105.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.594 ug/l

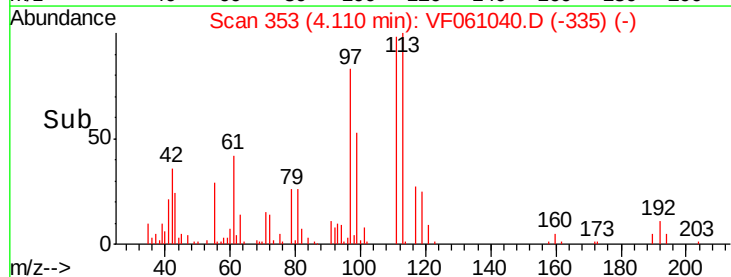
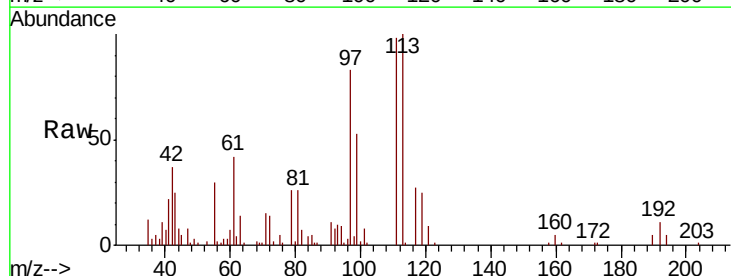
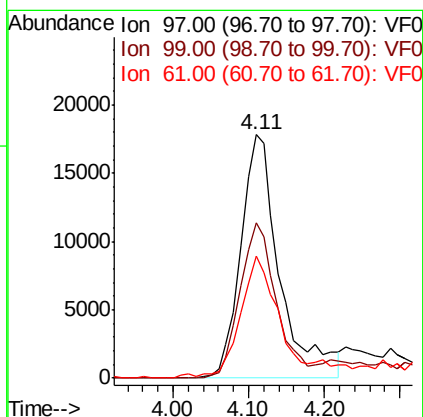
RT: 4.11 min Scan# 353

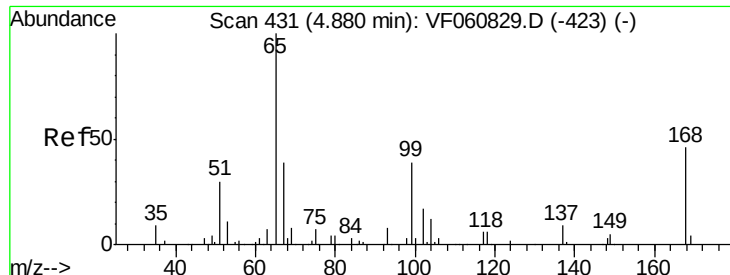
Delta R.T. -0.02 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Tgt Ion:	97	Resp:	63846
Ion Ratio	Lower	Upper	
97	100		
99	63.8	53.5	80.3
61	50.3	38.6	58.0





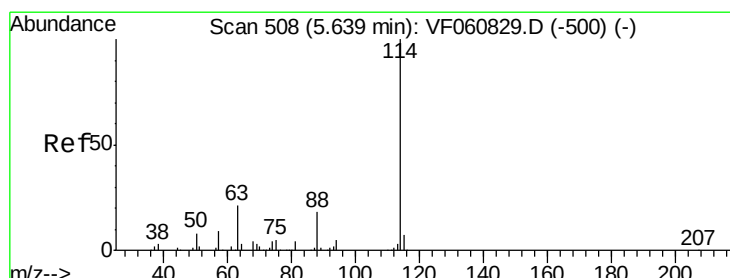
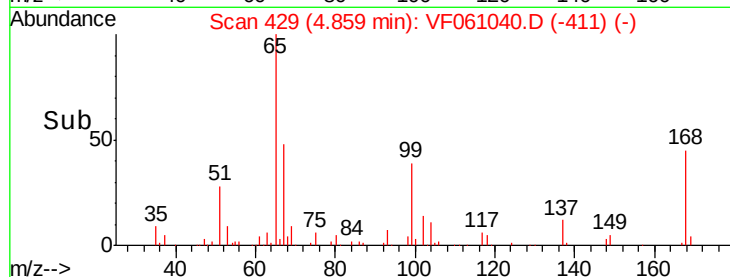
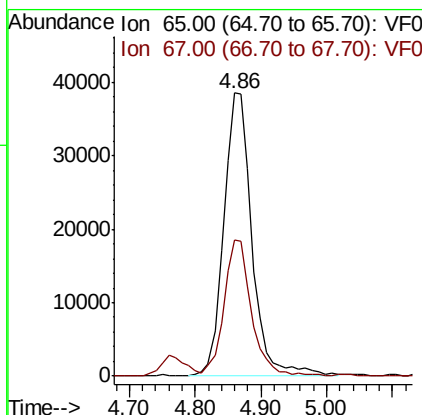
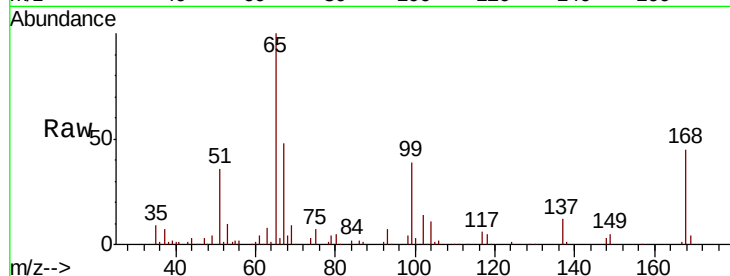
#33
 1,2-Dichloroethane-d4
 Concen: 54.162 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. -0.02 min
 Lab File: VF061040.D
 Acq: 17 Dec 2018 14:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	115948		
67	48.2	0.0	96.4	

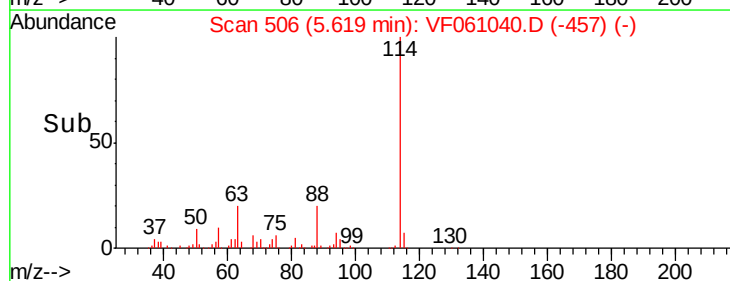
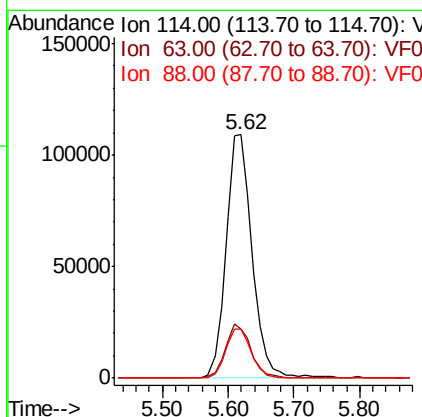
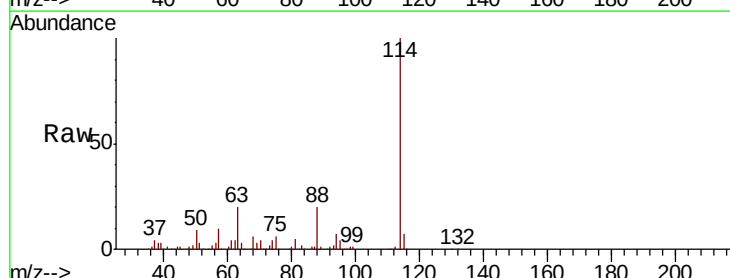
Manual Integrations
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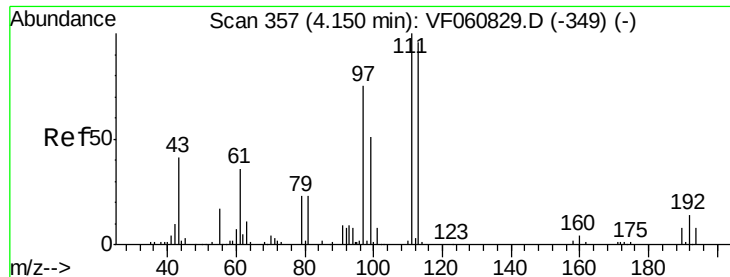
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 506
 Delta R.T. -0.02 min
 Lab File: VF061040.D
 Acq: 17 Dec 2018 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	302774		
63	20.2	0.0	41.6	
88	20.4	0.0	36.6	





#35

Dibromofluoromethane

Concen: 49.482 ug/l

RT: 4.13 min Scan# 355

Delta R.T. -0.02 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Instrument :

MSVOA_F

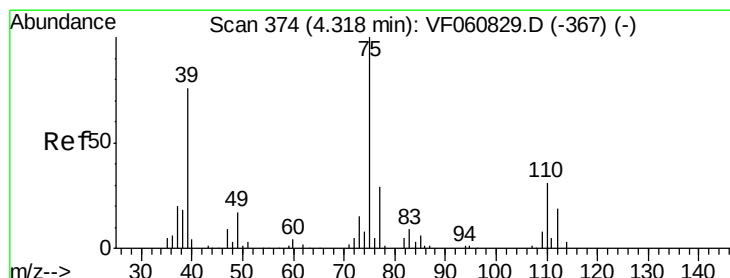
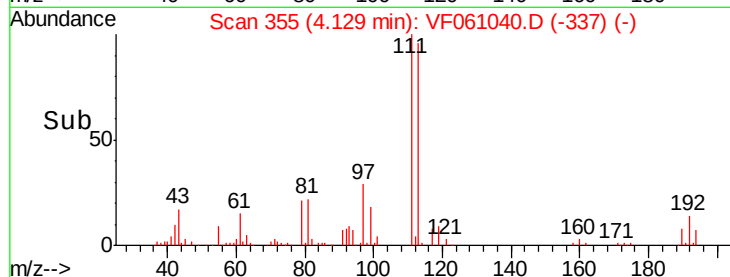
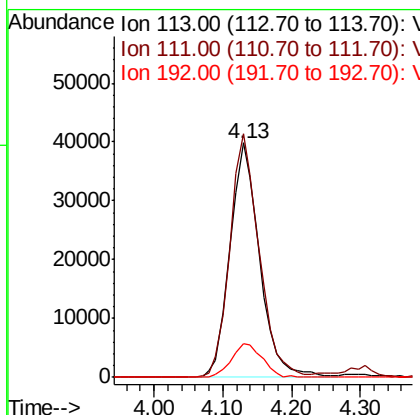
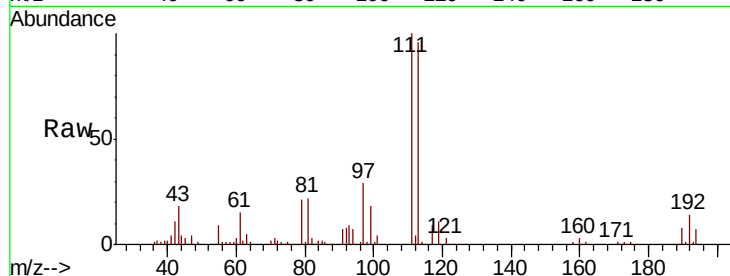
ClientSampleId :

VF1217SBS01

Tot Ion:	113	Resp:	118856
Ion Ratio	Lower	Upper	
113	100		
111	103.9	83.0	124.6
192	14.4	12.3	18.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 22.341 ug/l

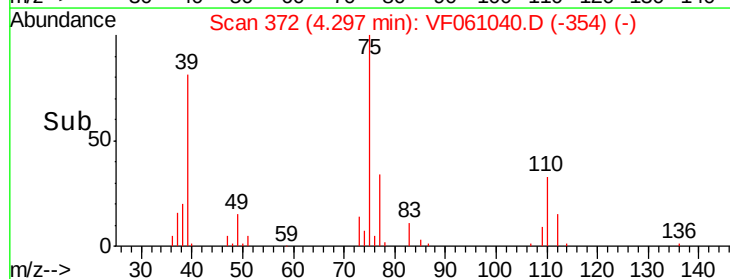
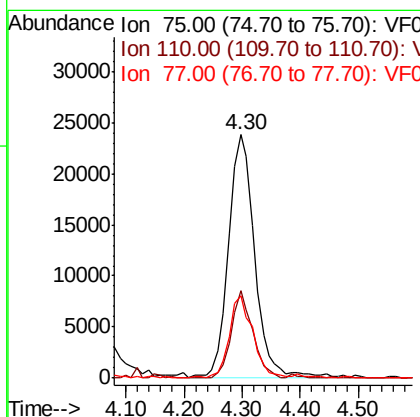
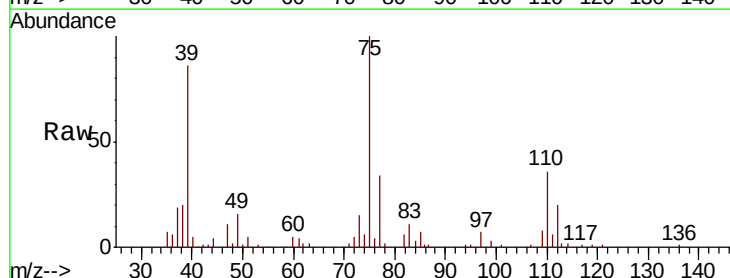
RT: 4.30 min Scan# 372

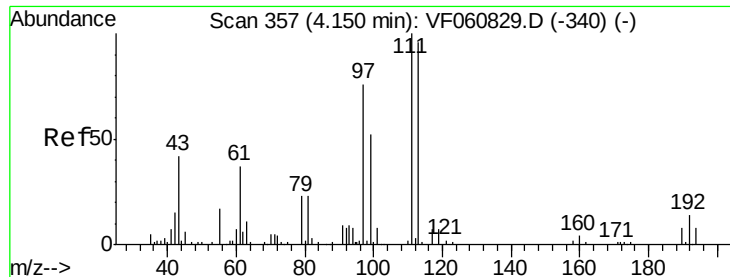
Delta R.T. -0.02 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Tgt Ion:	75	Resp:	75026
Ion Ratio	Lower	Upper	
75	100		
110	35.7	15.6	46.8
77	33.7	23.4	35.0





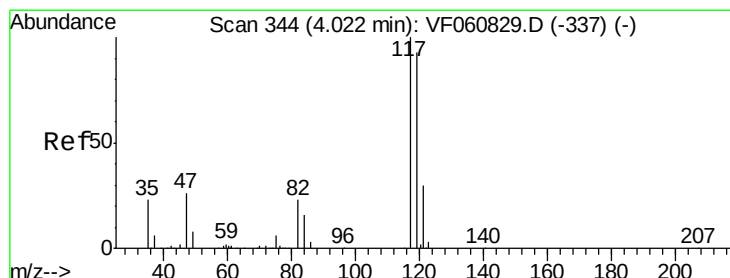
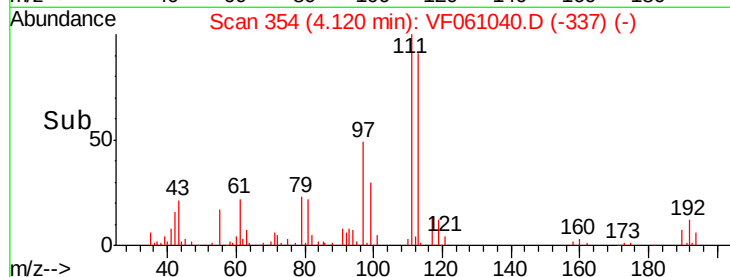
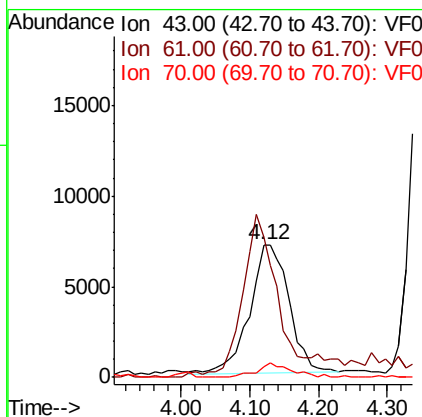
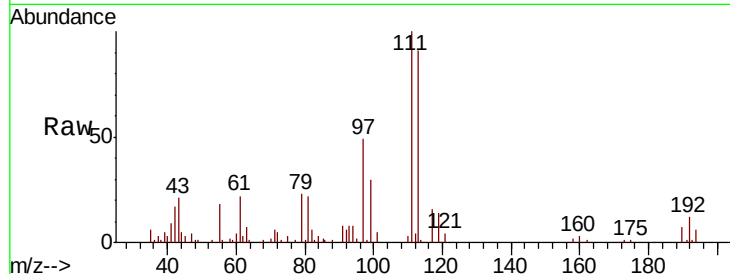
#37
Ethyl Acetate
Concen: 20.661 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.03 min
Lab File: VF061040.D
Acq: 17 Dec 2018 14:45

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper
28196	100	105.0	8.1			
		68.6	9.0			
		103.0#	13.4#			

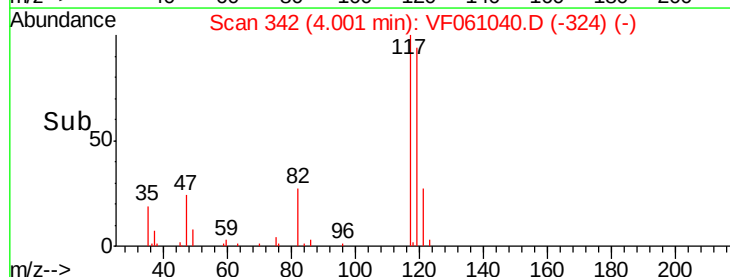
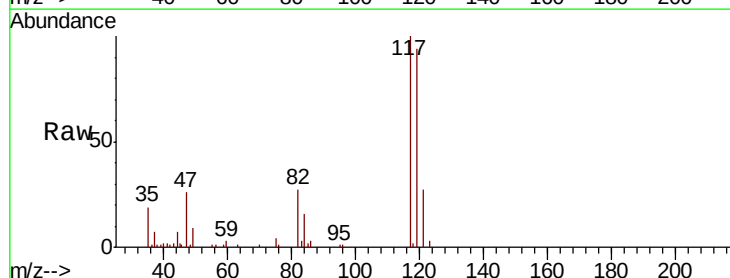
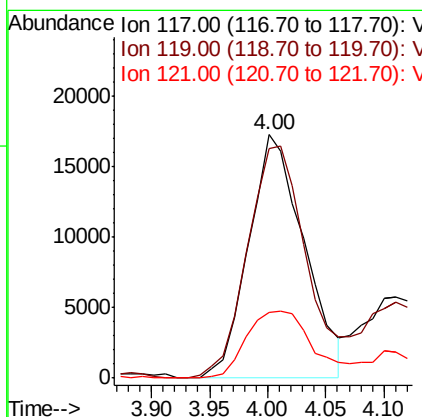
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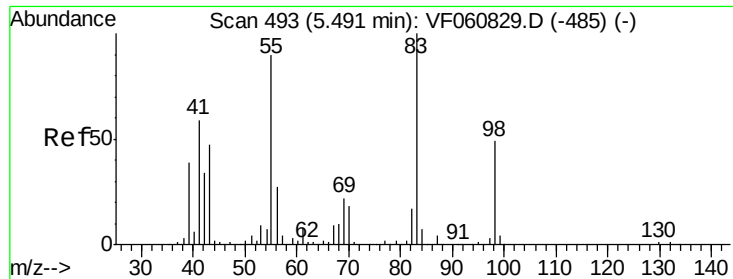
apatel
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#38
Carbon Tetrachloride
Concen: 19.262 ug/l
RT: 4.00 min Scan# 342
Delta R.T. -0.02 min
Lab File: VF061040.D
Acq: 17 Dec 2018 14:45

Tgt Ion	117	119	121	Ratio	Lower	Upper
57136	100	94.5	26.9			
		74.4	23.5			
		111.6	35.3			





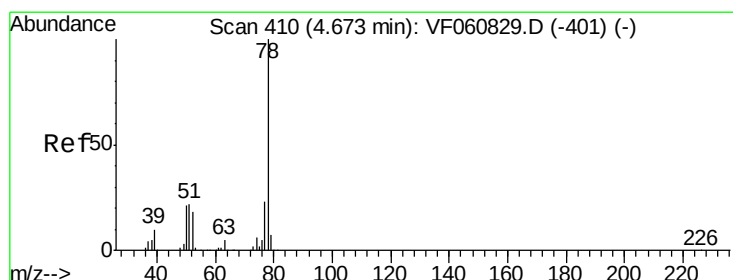
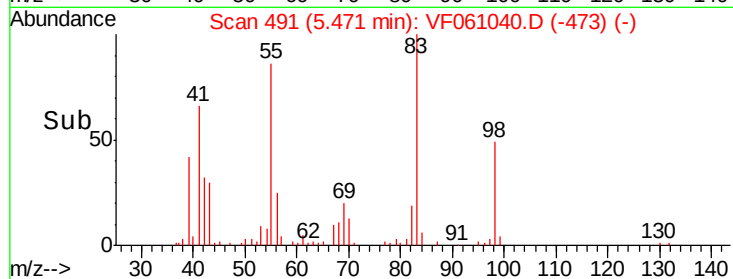
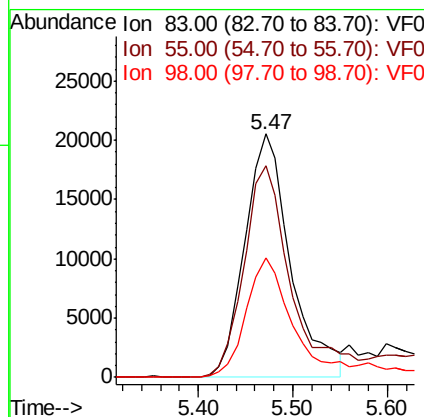
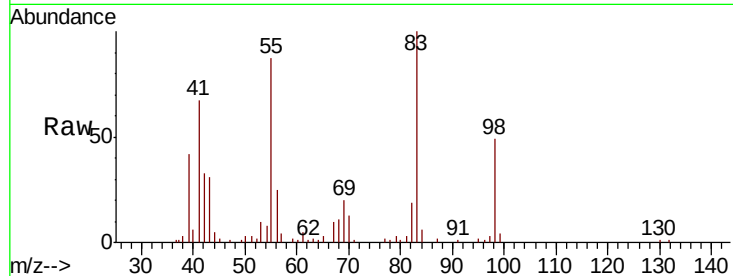
#39
Methylvlcyclohexane
Concen: 19.697 ug/l
RT: 5.47 min Scan# 491
Delta R.T. -0.02 min
Lab File: VF061040.D
Acq: 17 Dec 2018 14:45

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	83.00	Resp	69321
Ion	Ratio	Lower	Upper
83	100		
55	87.1	72.1	108.1
98	49.0	39.1	58.7

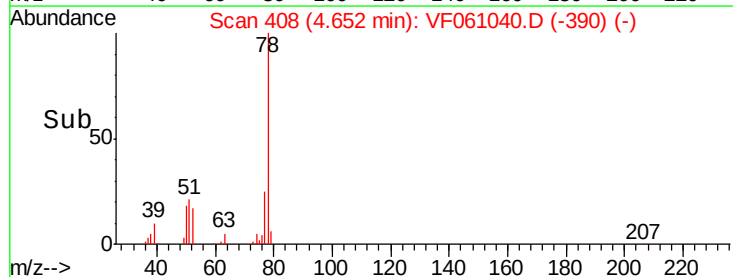
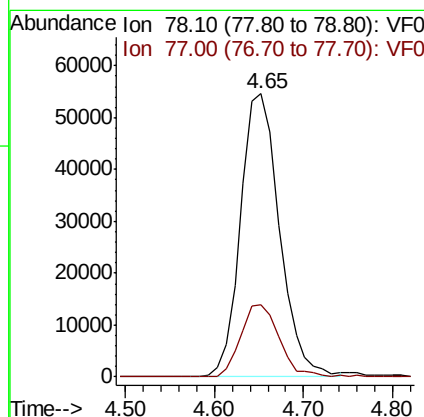
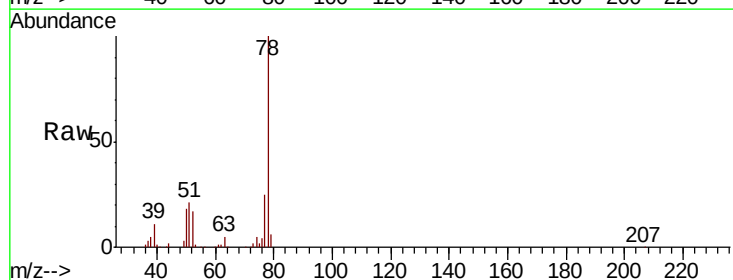
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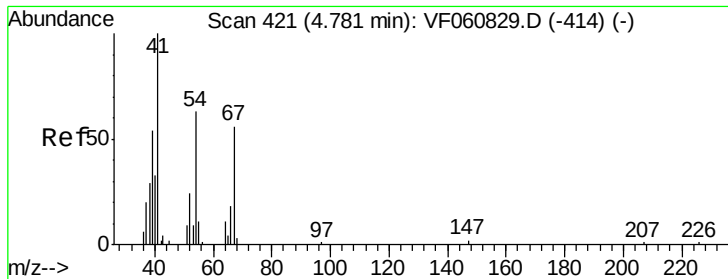
apatel
12/18/2018 2:32:32 PM



#40
Benzene
Concen: 22.372 ug/l
RT: 4.65 min Scan# 408
Delta R.T. -0.02 min
Lab File: VF061040.D
Acq: 17 Dec 2018 14:45

Tgt Ion	78	Resp	165978
Ion	Ratio	Lower	Upper
78	100		
77	25.3	18.7	28.1





#41

Methacrylonitrile

Concen: 19.389 ug/l

RT: 4.77 min Scan# 420

Delta R.T. -0.01 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 41 Resp: 15378

Ion Ratio Lower Upper

41 100

39 60.3 53.0 79.6

67 51.4 43.8 65.6

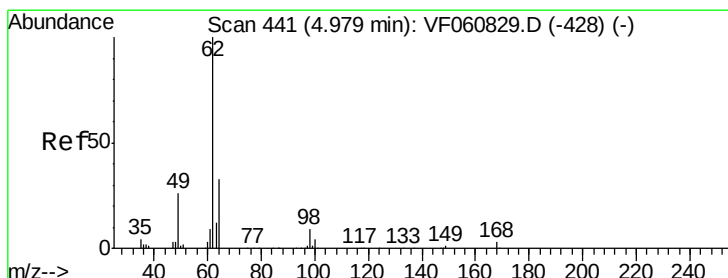
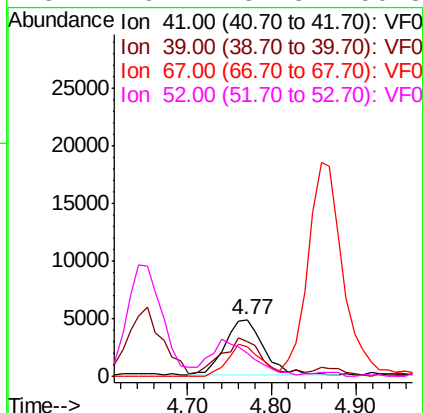
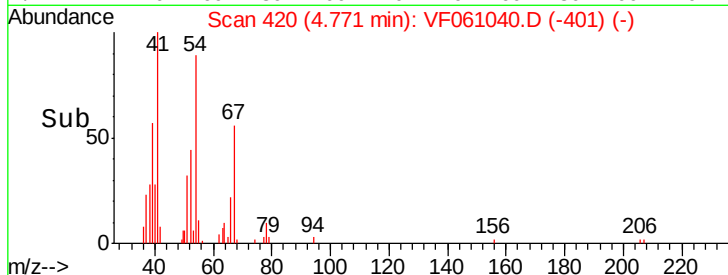
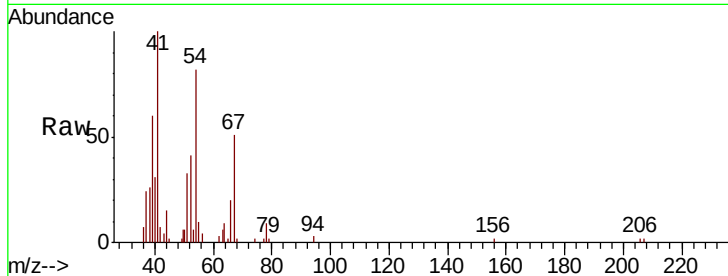
52 40.7 37.8 56.8

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 22.051 ug/l

RT: 4.97 min Scan# 440

Delta R.T. -0.01 min

Lab File: VF061040.D

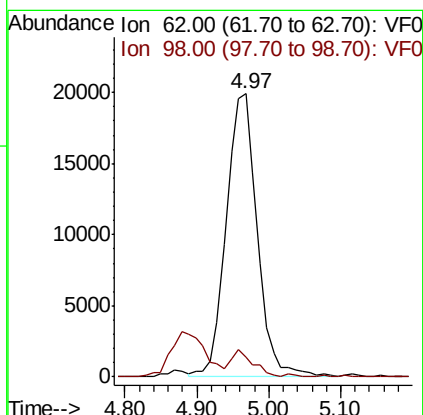
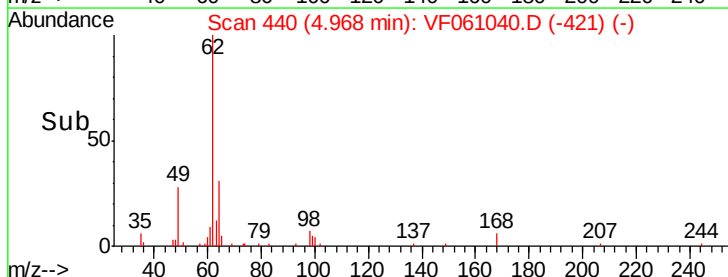
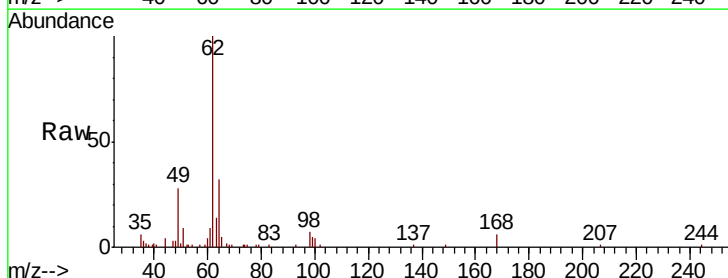
Acq: 17 Dec 2018 14:45

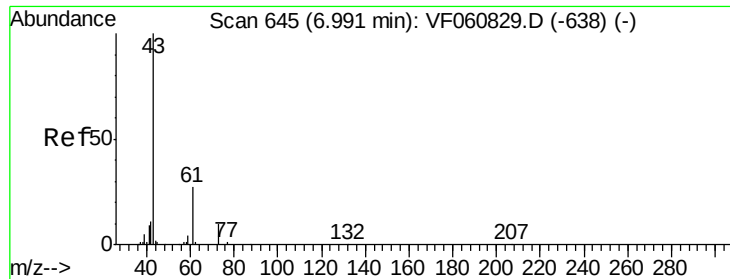
Tgt Ion: 62 Resp: 59727

Ion Ratio Lower Upper

62 100

98 6.8 0.0 17.2





#43

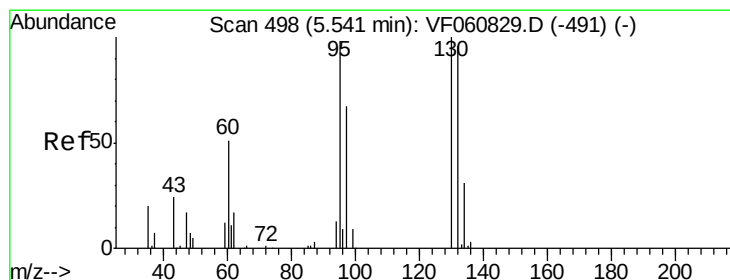
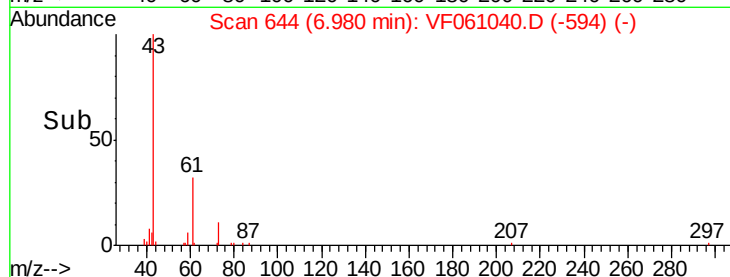
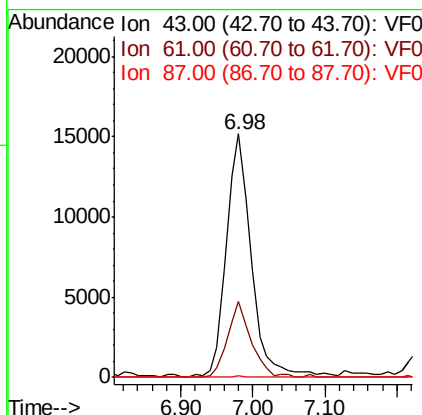
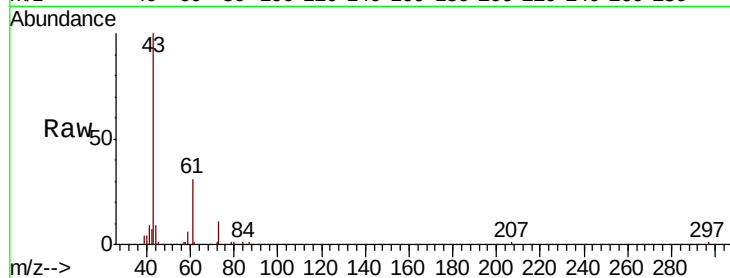
Isopropyl Acetate
 Concen: 20.294 ug/l
 RT: 6.98 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: VF061040.D
 Acq: 17 Dec 2018 14:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.2	21.4	32.0
87	0.7	0.2	0.4

Manual Integrations
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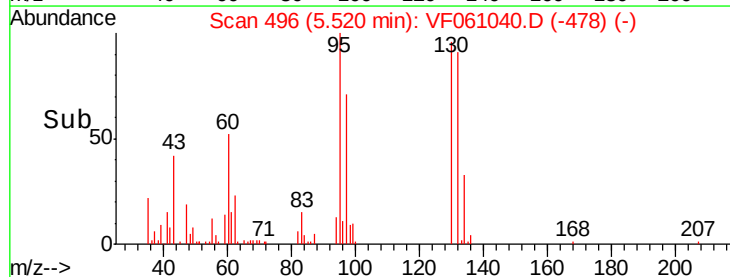
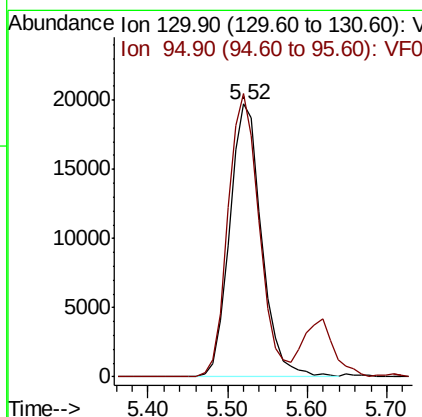
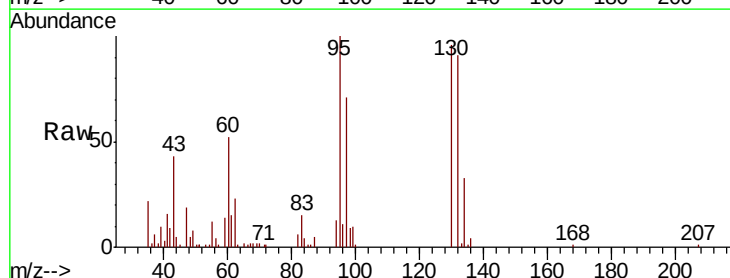
apatel
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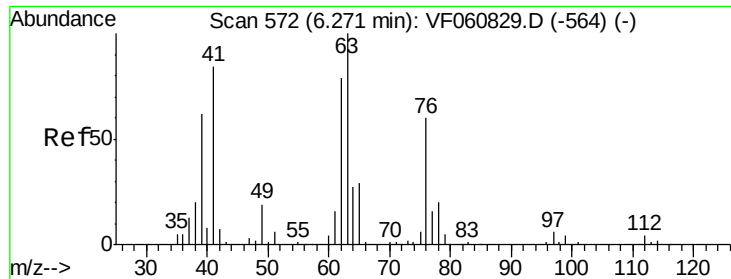


#44

Trichloroethene
 Concen: 22.786 ug/l
 RT: 5.52 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: VF061040.D
 Acq: 17 Dec 2018 14:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	195.6





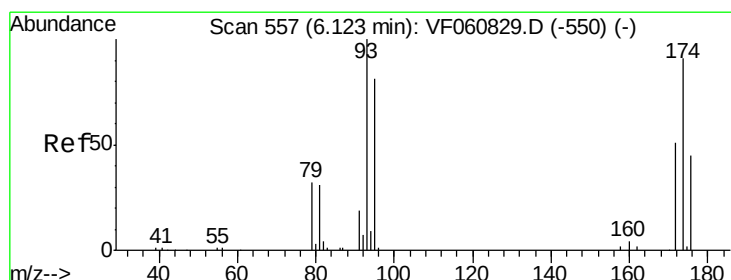
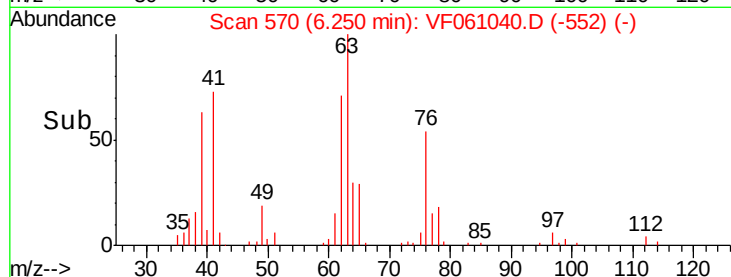
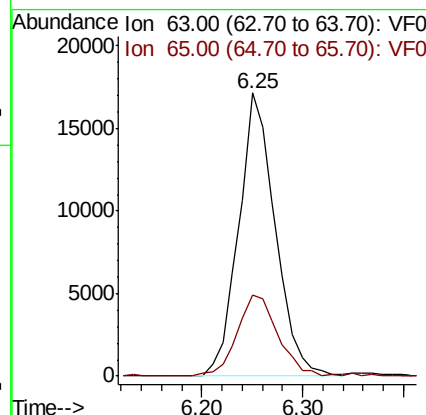
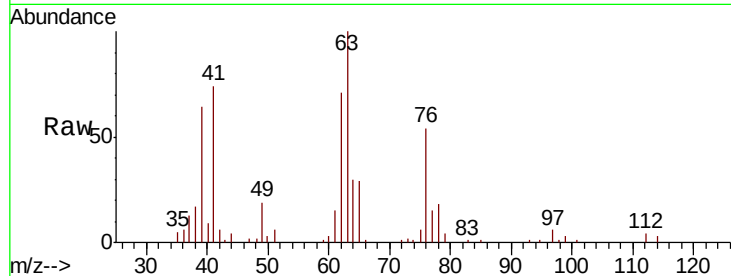
#45
 1,2-Dichloropropane
 Concen: 22.489 ug/l
 RT: 6.25 min Scan# 570
 Delta R.T. -0.02 min
 Lab File: VF061040.D
 Acq: 17 Dec 2018 14:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Tot Ion: 63 Resp: 43333
 Ion Ratio Lower Upper
 63 100
 65 28.8 23.2 34.8

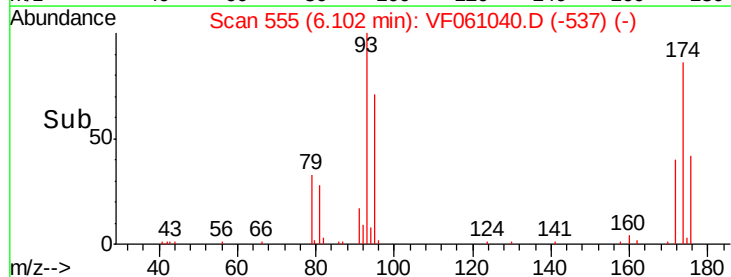
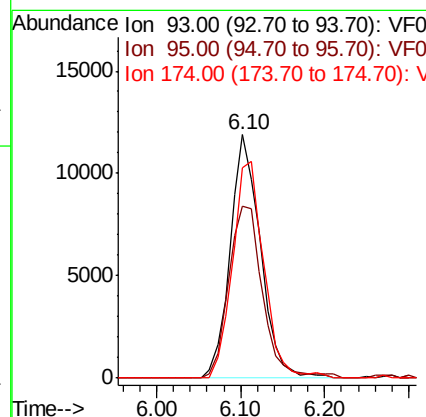
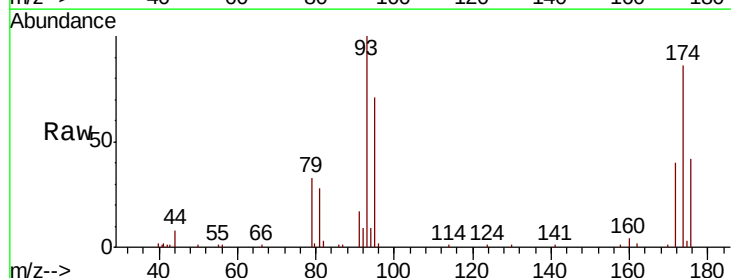
Manual Integrations
 APPROVED

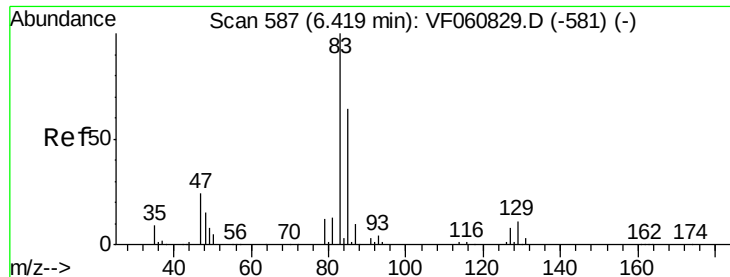
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#46
 Dibromomethane
 Concen: 22.776 ug/l
 RT: 6.10 min Scan# 555
 Delta R.T. -0.02 min
 Lab File: VF061040.D
 Acq: 17 Dec 2018 14:45

Tgt Ion: 93 Resp: 29770
 Ion Ratio Lower Upper
 93 100
 95 70.9 64.7 97.1
 174 86.2 73.0 109.6





#47

Bromodichloromethane

Concen: 22.091 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.02 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Instrument :

MSVOA_F

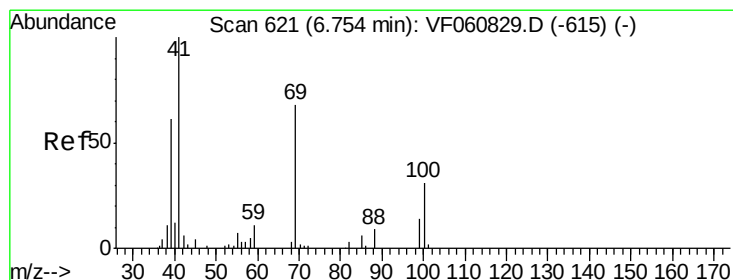
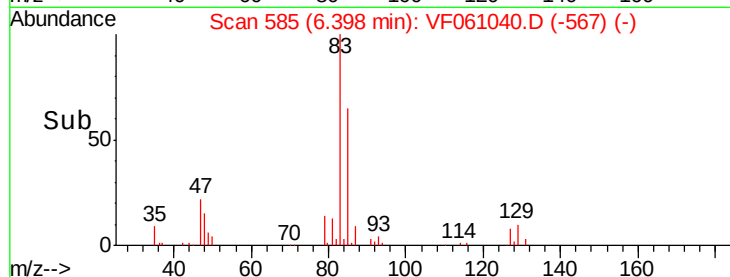
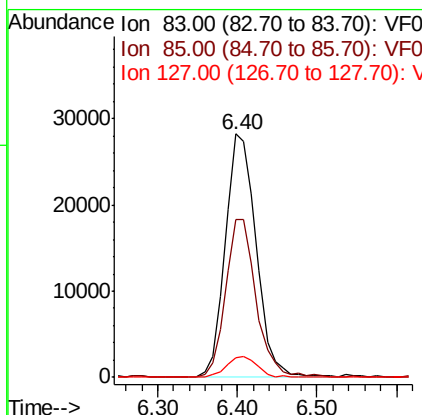
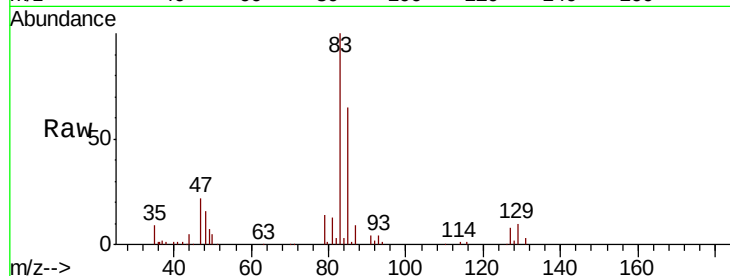
ClientSampleId :

VF1217SBS01

Tot Ion:	83	Resp:	76694
Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.1	76.7
127	8.0	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.590 ug/l

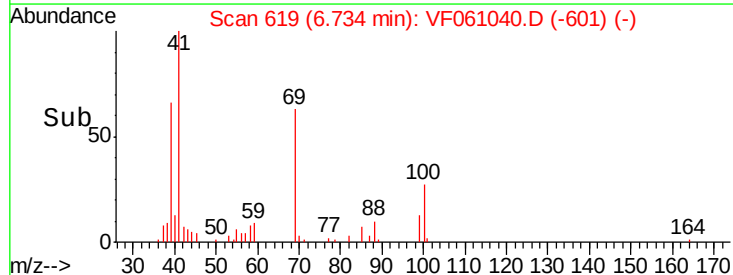
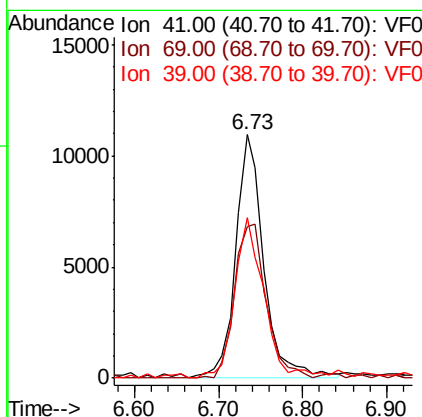
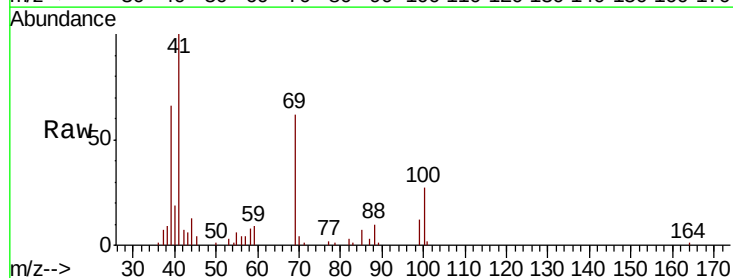
RT: 6.73 min Scan# 619

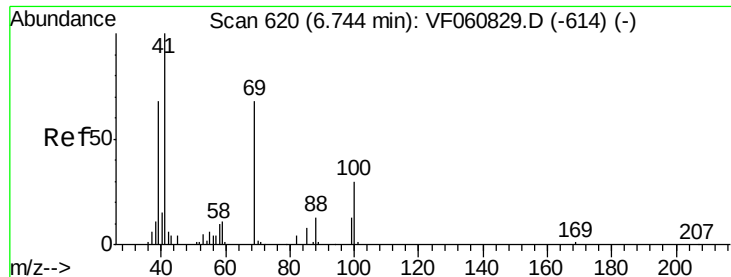
Delta R.T. -0.02 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Tgt Ion:	41	Resp:	25435
Ion	Ratio	Lower	Upper
41	100		
69	62.0	53.9	80.9
39	65.9	49.0	73.6





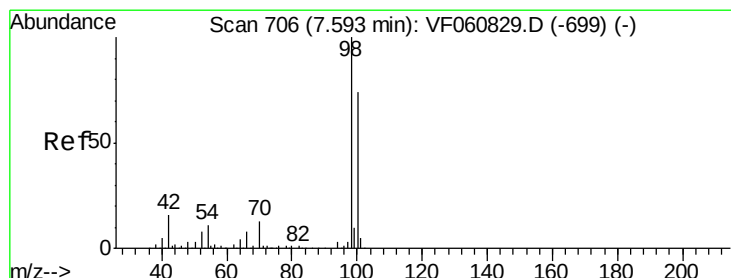
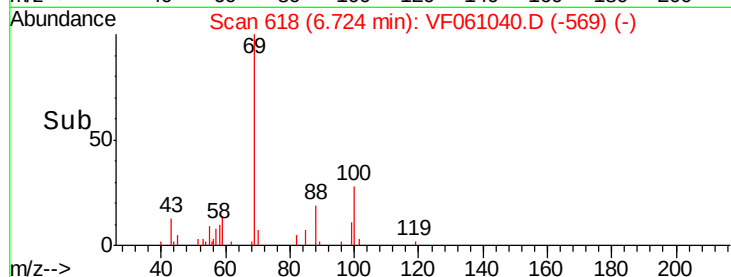
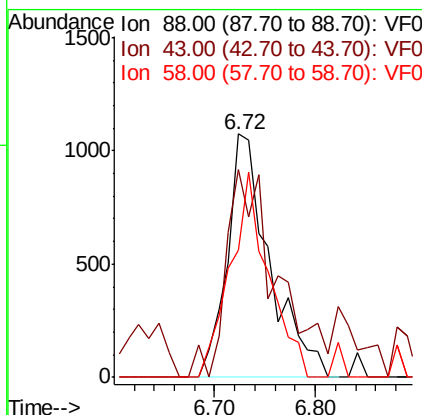
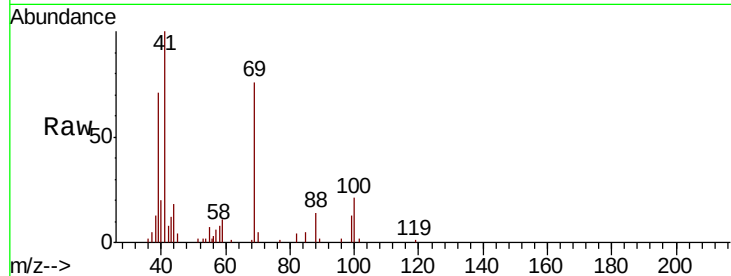
#49
1,4-Dioxane
Concen: 345.434 ug/l
RT: 6.72 min Scan# 618
Delta R.T. -0.02 min
Lab File: VF061040.D
Acq: 17 Dec 2018 14:45

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	85.1	42.0	63.0#	
58	52.5	61.8	92.8#	

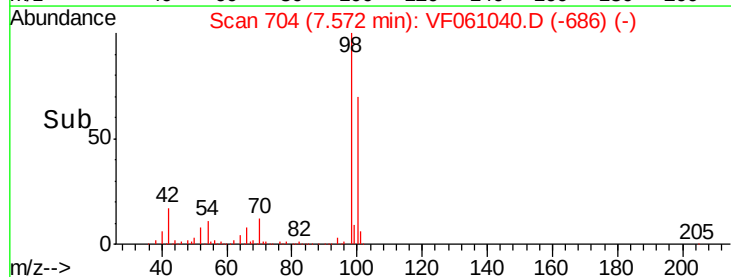
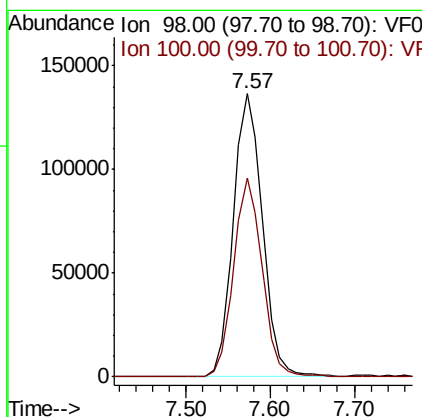
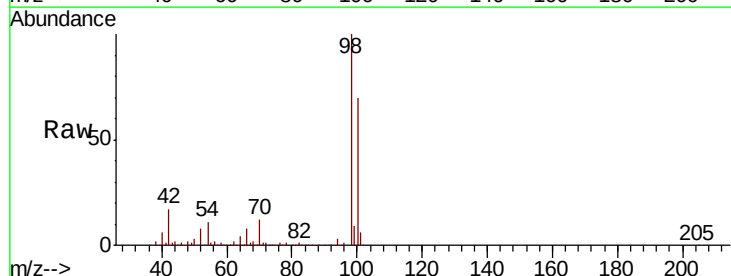
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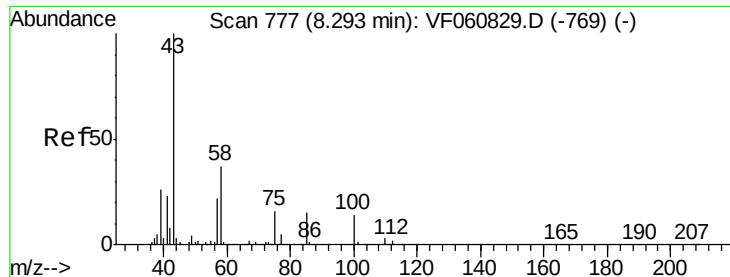
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#50
Toluene-d8
Concen: 46.640 ug/l
RT: 7.57 min Scan# 704
Delta R.T. -0.02 min
Lab File: VF061040.D
Acq: 17 Dec 2018 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	70.4	59.3	88.9	





#51

4-Methyl-2-Pentanone

Concen: 111.003 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 43 Resp: 139695

Ion Ratio Lower Upper

43 100

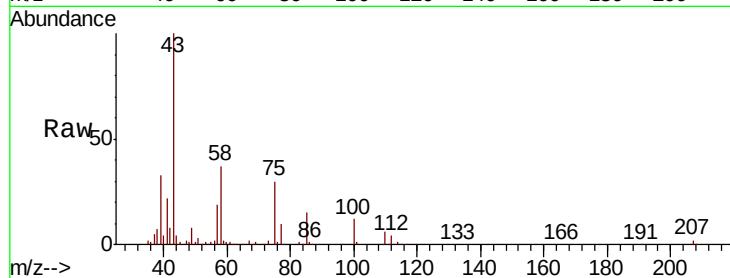
58 37.3 29.7 44.5

Manual Integrations

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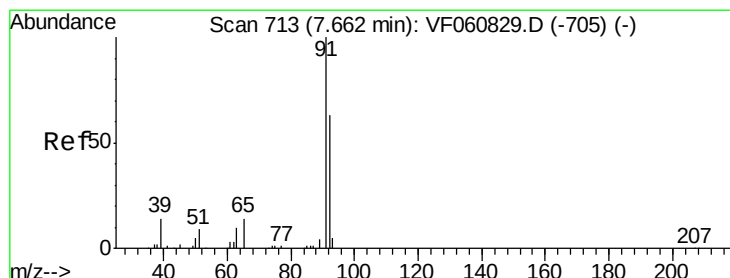
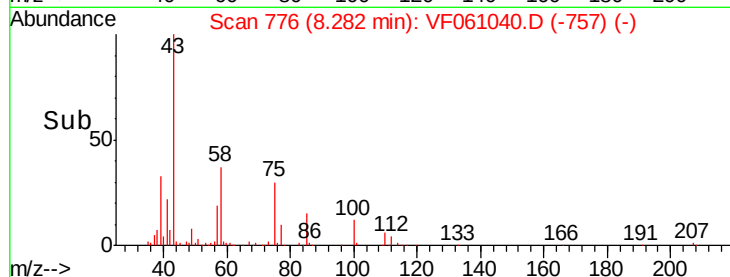
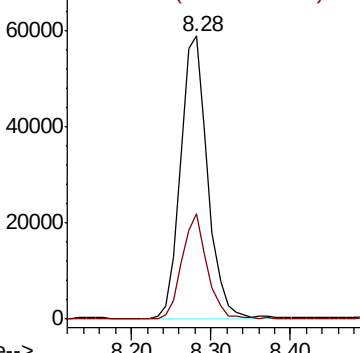
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.754 ug/l

RT: 7.64 min Scan# 711

Delta R.T. -0.02 min

Lab File: VF061040.D

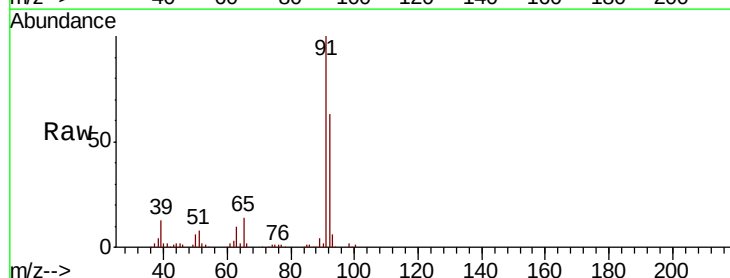
Acq: 17 Dec 2018 14:45

Tgt Ion: 92 Resp: 113366

Ion Ratio Lower Upper

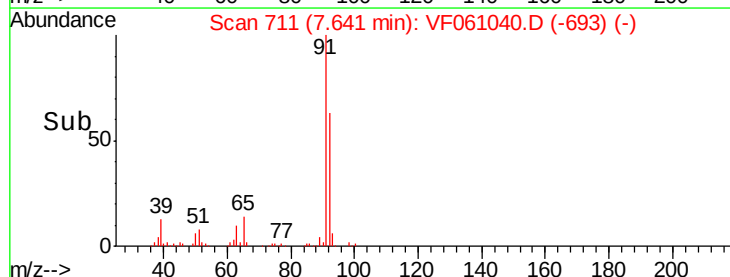
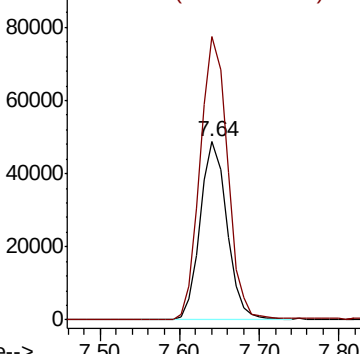
92 100

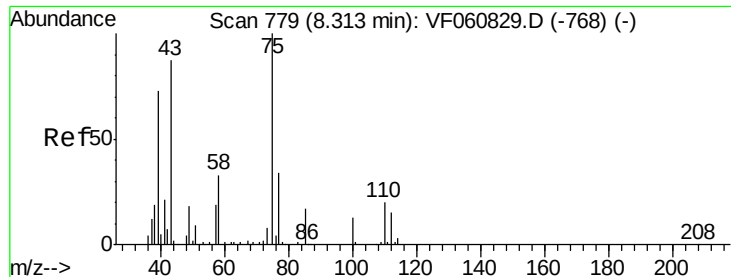
91 158.8 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 22.921 ug/l

RT: 8.30 min Scan# 778

Delta R.T. -0.01 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 75 Resp: 64726

Ion Ratio Lower Upper

75 100

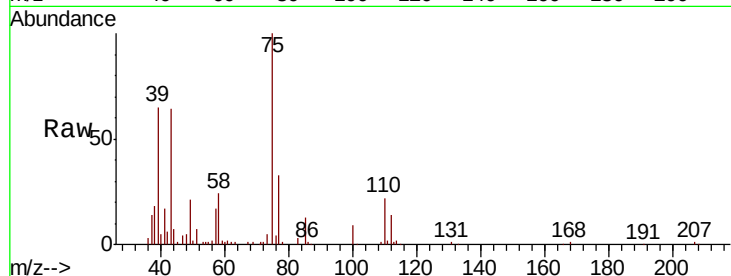
77 32.6 27.4 41.2

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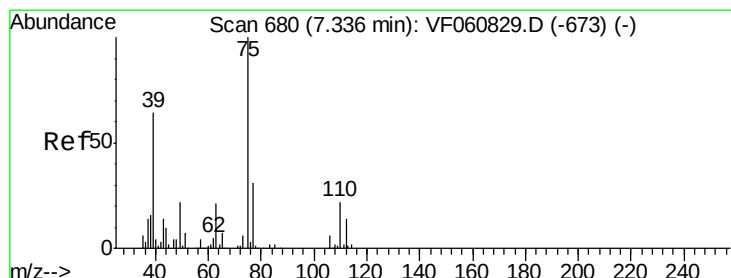
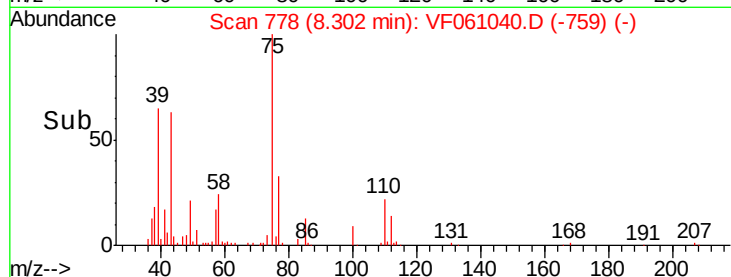
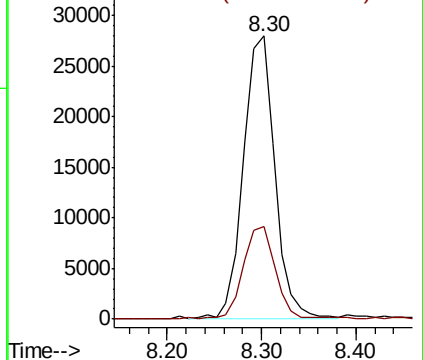
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 21.635 ug/l

RT: 7.32 min Scan# 678

Delta R.T. -0.02 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

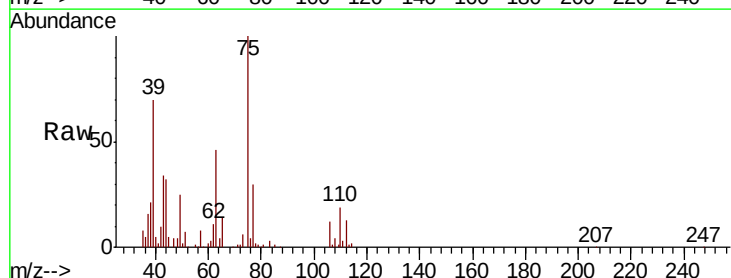
Tgt Ion: 75 Resp: 75634

Ion Ratio Lower Upper

75 100

77 29.6 25.0 37.6

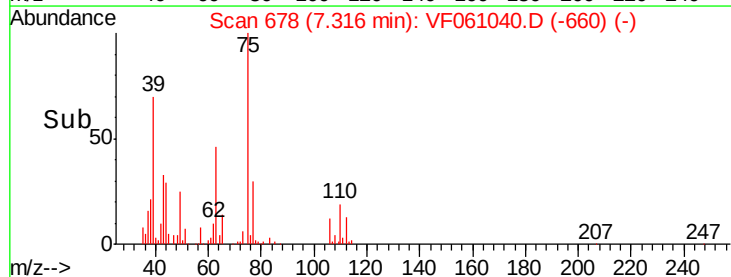
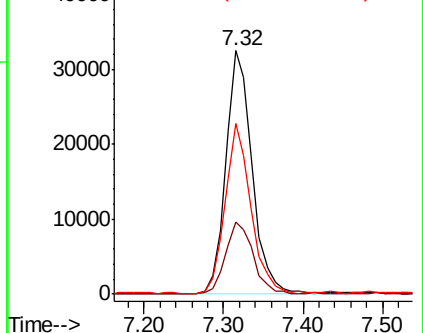
39 70.2 51.1 76.7

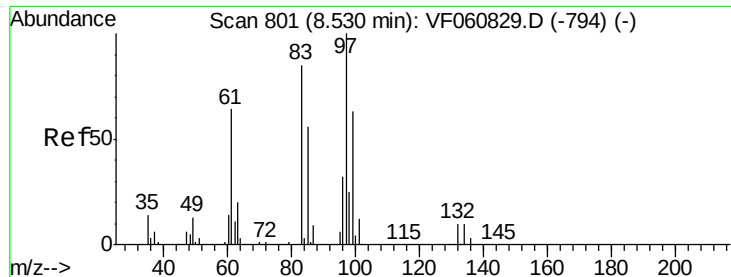


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 25.515 ug/l

RT: 8.50 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Instrument :

MSVOA_F

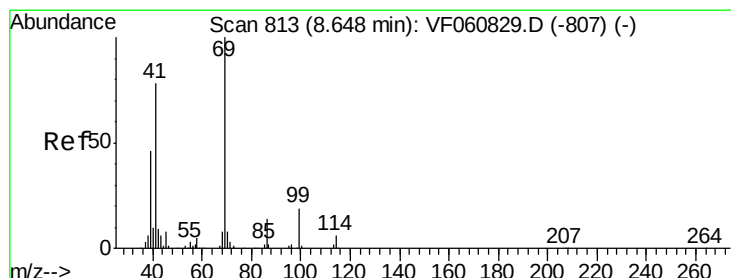
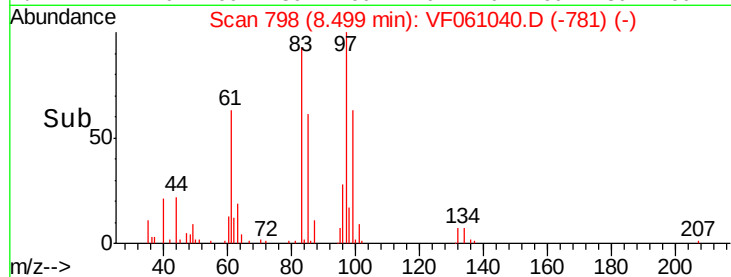
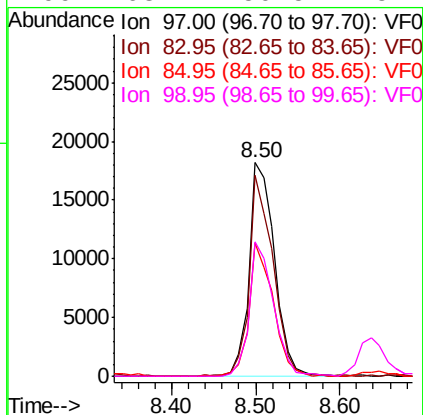
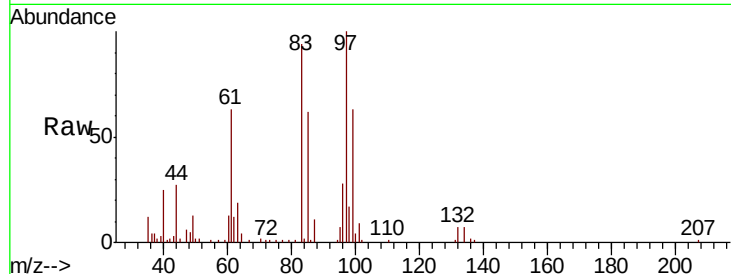
ClientSampleId :

VF1217SBS01

Tot Ion:	97	Resp:	38744
Ion	Ratio	Lower	Upper
97	100		
83	93.9	67.8	101.6
85	62.1	45.0	67.6
99	63.2	50.5	75.7

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#56

Ethyl methacrylate

Concen: 22.078 ug/l

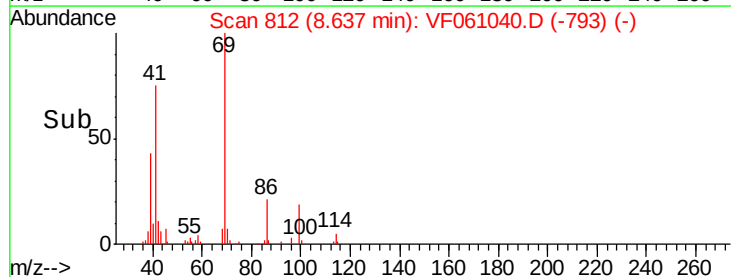
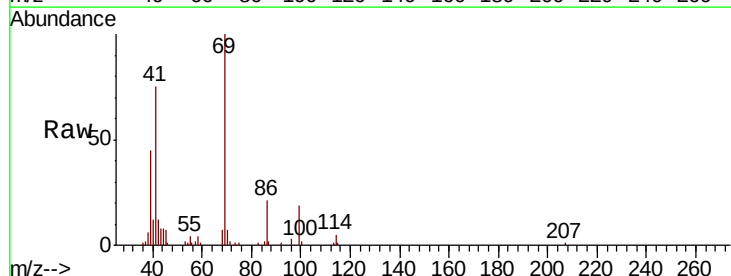
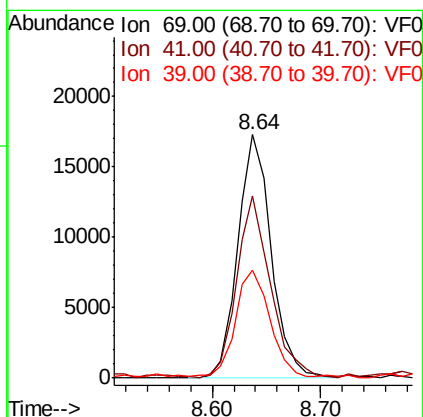
RT: 8.64 min Scan# 812

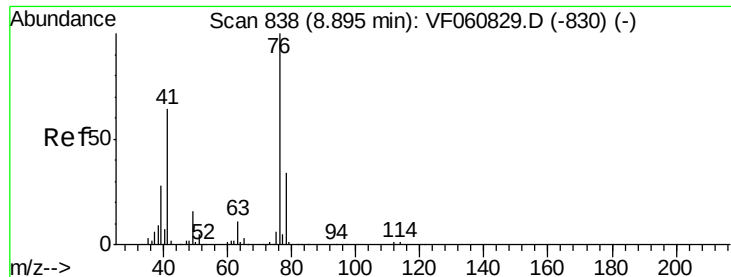
Delta R.T. -0.01 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Tgt Ion:	69	Resp:	37243
Ion	Ratio	Lower	Upper
69	100		
41	74.6	62.6	94.0
39	44.6	37.8	56.6





#57

1,3-Dichloropropane

Concen: 23.306 ug/l

RT: 8.87 min Scan# 836

Delta R.T. -0.02 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion: 76 Resp: 61916

Ion Ratio Lower Upper

76 100

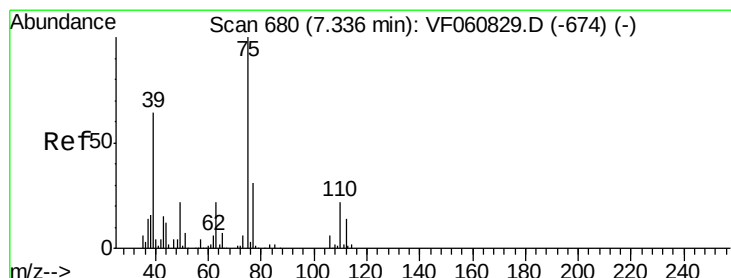
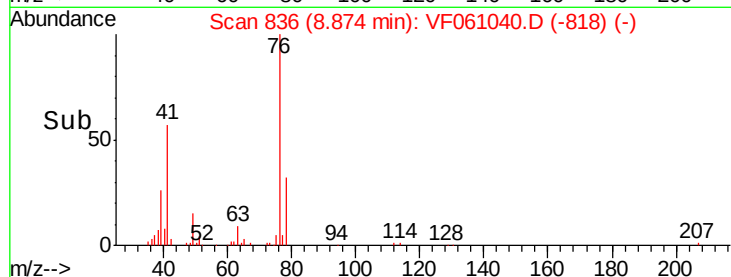
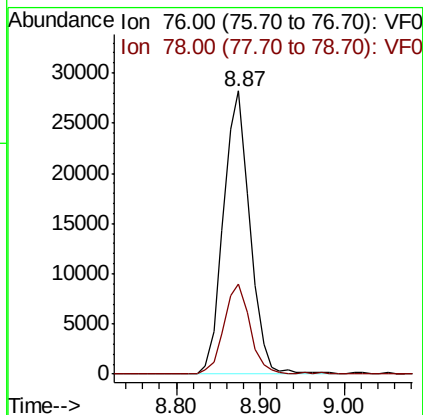
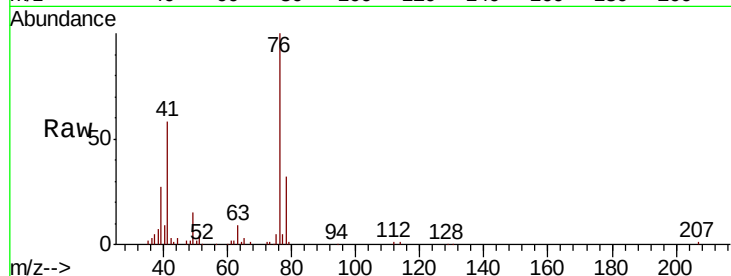
78 31.9 27.0 40.4

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#58

2-Chloroethyl Vinyl ether

Concen: 194.666 ug/l

RT: 7.32 min Scan# 678

Delta R.T. -0.02 min

Lab File: VF061040.D

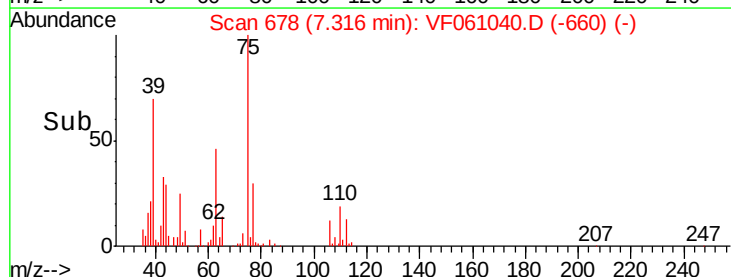
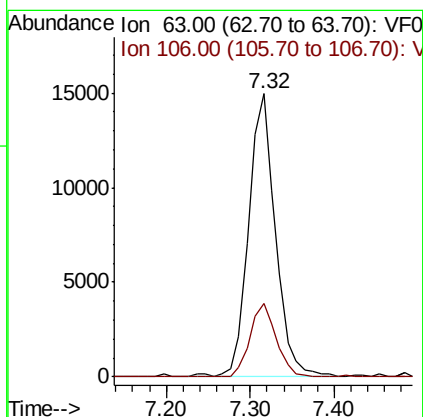
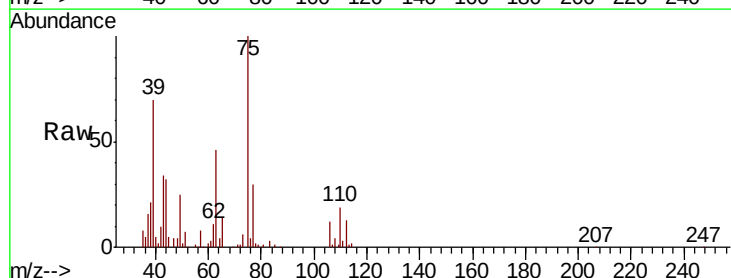
Acq: 17 Dec 2018 14:45

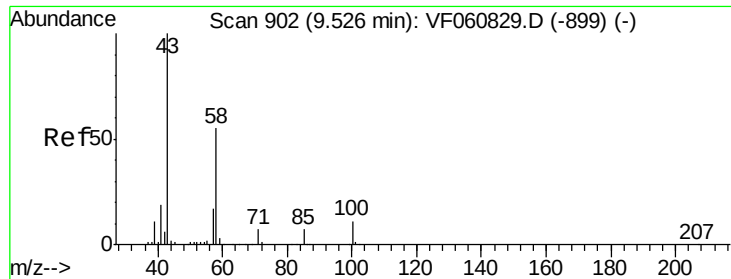
Tgt Ion: 63 Resp: 33588

Ion Ratio Lower Upper

63 100

106 26.1 23.0 34.6





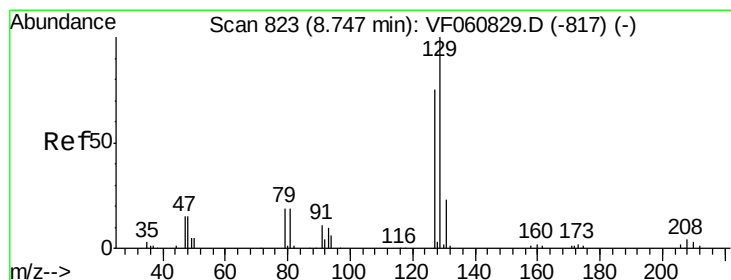
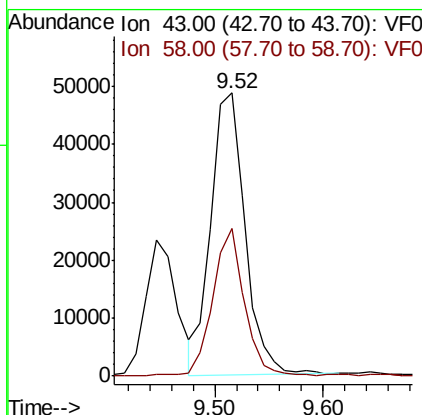
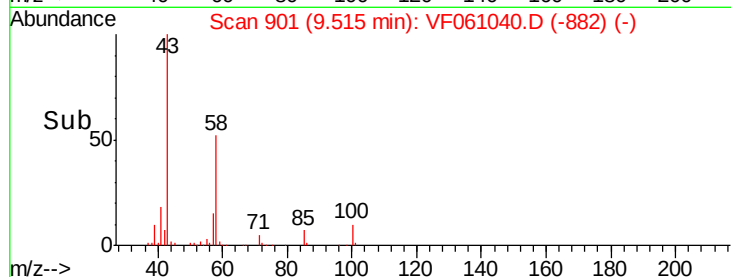
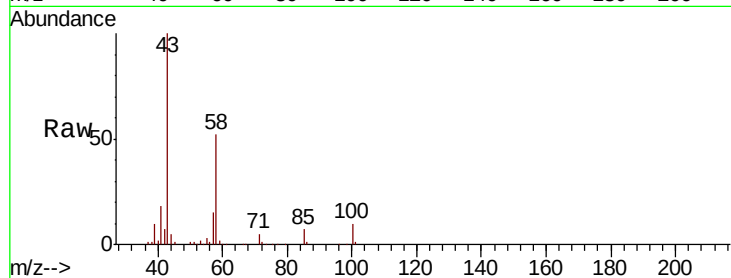
#59
2-Hexanone
Concen: 121.033 ug/l
RT: 9.52 min Scan# 901
Delta R.T. -0.01 min
Lab File: VF061040.D
Acq: 17 Dec 2018 14:45

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBSD01

Tot Ion: 43 Resp: 106860
Ion Ratio Lower Upper
43 100
58 52.3 25.6 76.6

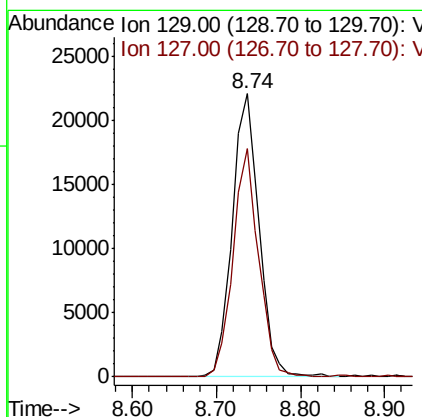
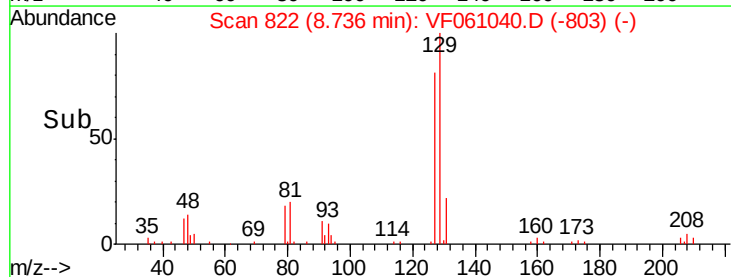
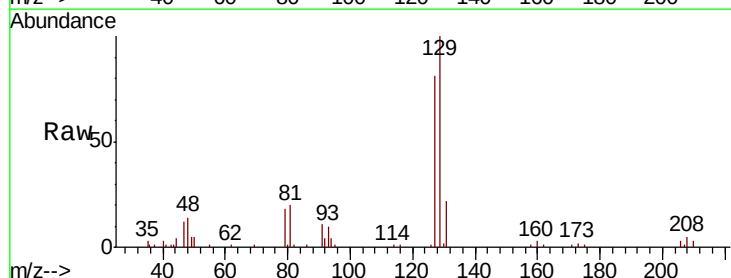
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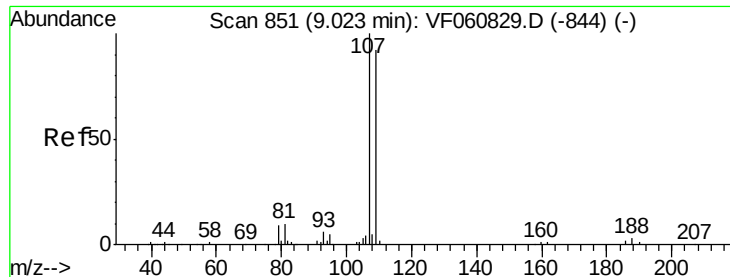
apatel
12/18/2018 2:32:32 PM



#60
Dibromochloromethane
Concen: 21.590 ug/l
RT: 8.74 min Scan# 822
Delta R.T. -0.01 min
Lab File: VF061040.D
Acq: 17 Dec 2018 14:45

Tgt Ion: 129 Resp: 48849
Ion Ratio Lower Upper
129 100
127 80.6 37.3 111.9





#61

1,2-Dibromoethane

Concen: 21.767 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.02 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion:107 Resp: 35707

Ion Ratio Lower Upper

107 100

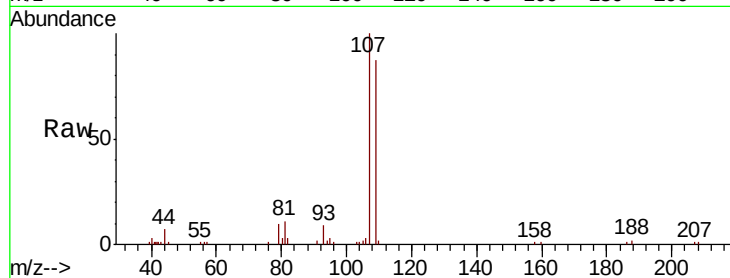
109 87.0 73.6 110.4

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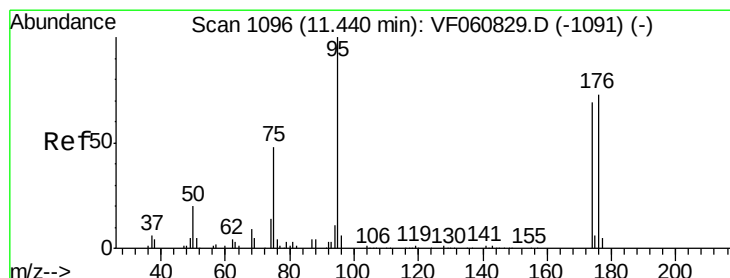
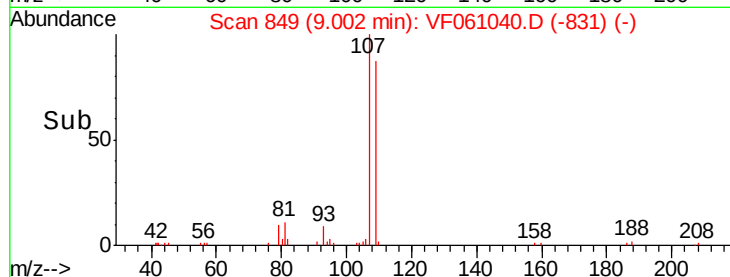
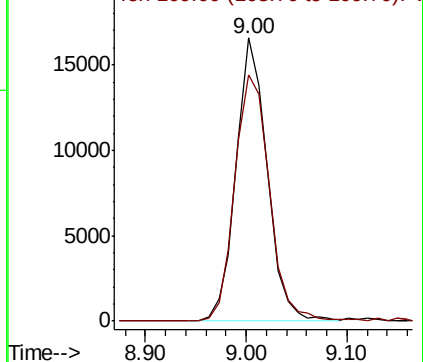
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.074 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

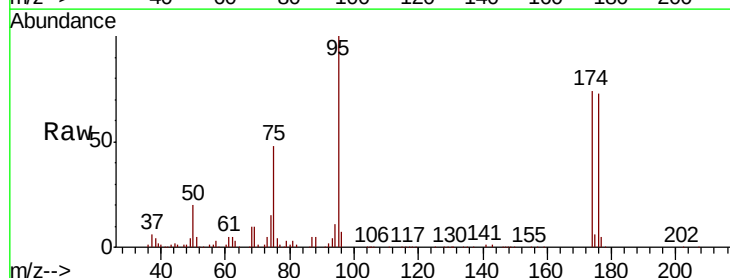
Tgt Ion: 95 Resp: 154592

Ion Ratio Lower Upper

95 100

174 74.4 0.0 138.2

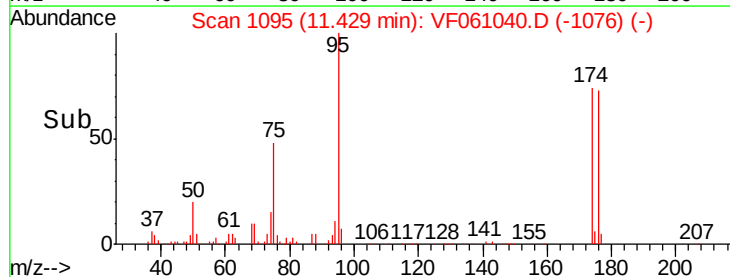
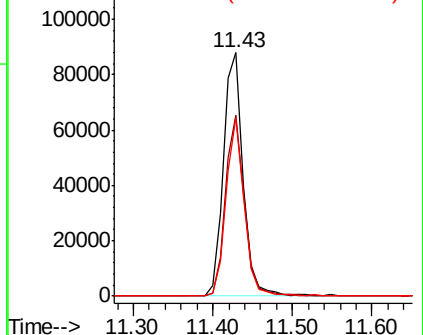
176 73.2 0.0 146.2

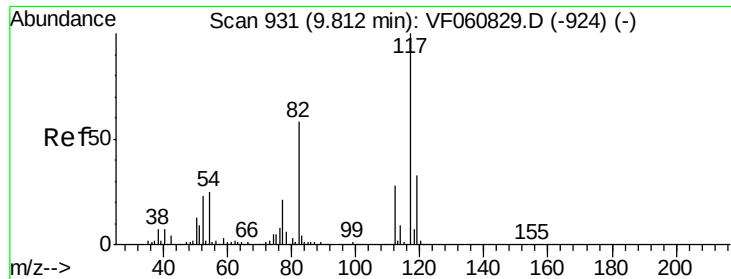


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





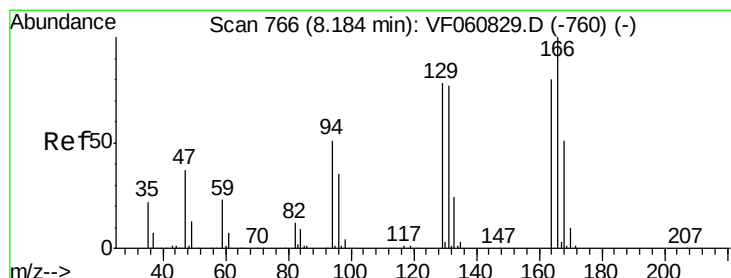
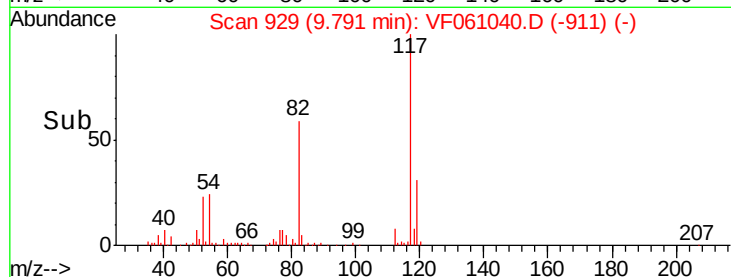
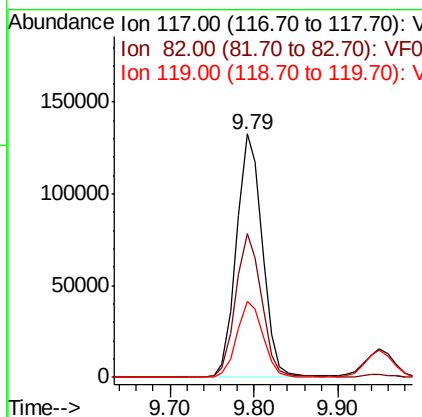
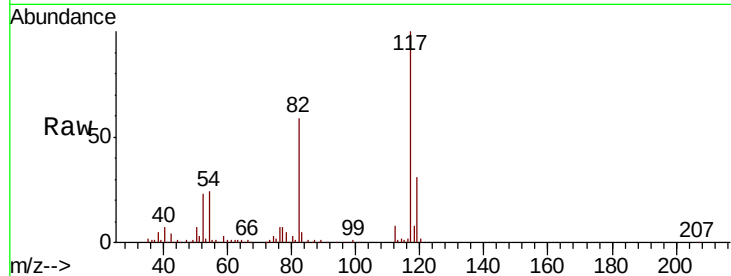
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF061040.D
Acq: 17 Dec 2018 14:45

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	286434		
82	59.1		46.6	69.8
119	30.9		26.4	39.6

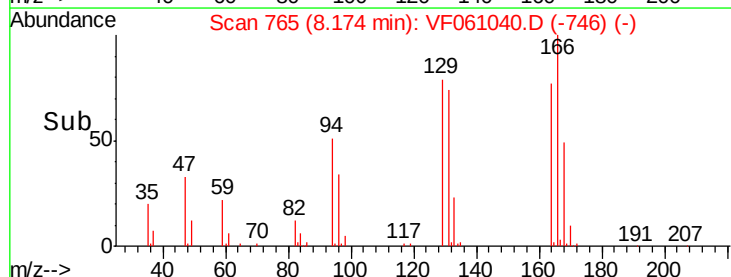
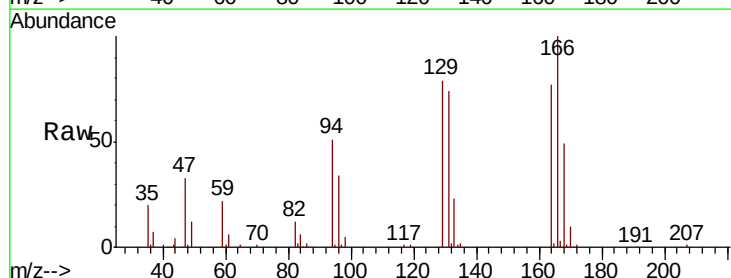
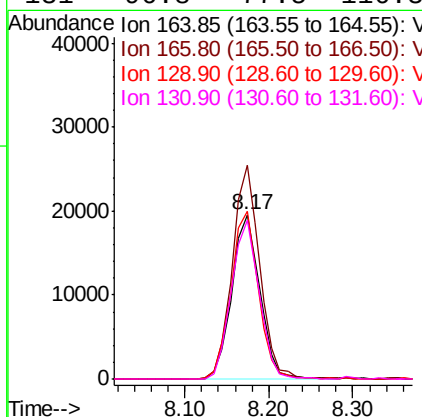
Manual Integrations
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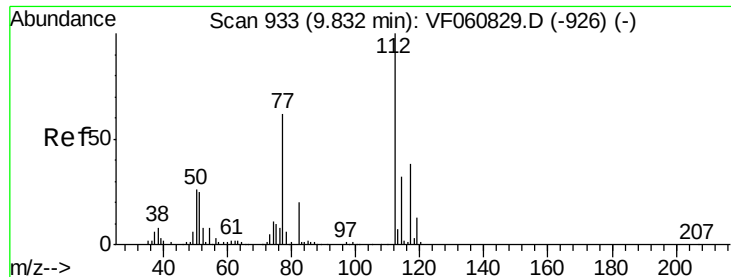
apatel
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#64
Tetrachloroethene
Concen: 20.792 ug/l
RT: 8.17 min Scan# 765
Delta R.T. -0.01 min
Lab File: VF061040.D
Acq: 17 Dec 2018 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45489		
166	130.1		100.3	150.5
129	102.2		77.9	116.9
131	96.8		77.5	116.3





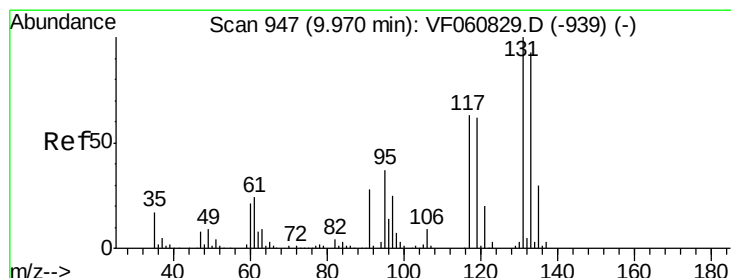
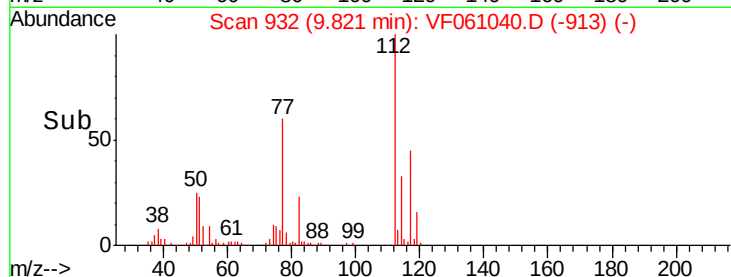
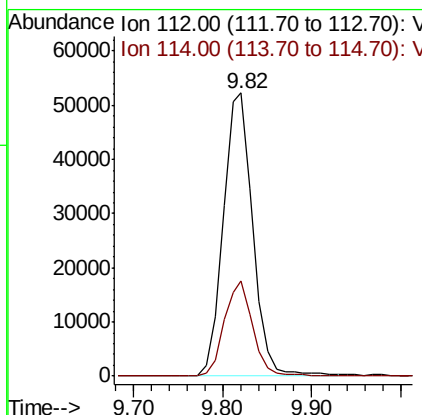
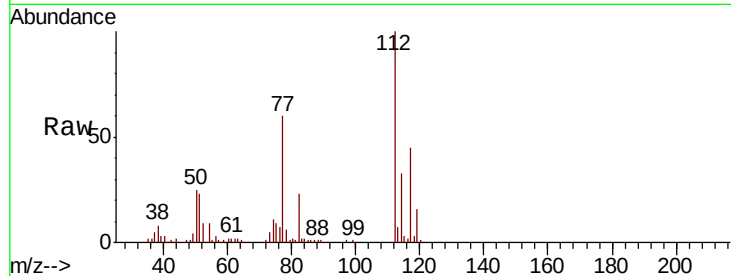
#65
Chlorobenzene
Concen: 21.787 ug/l
RT: 9.82 min Scan# 932
Delta R.T. -0.01 min
Lab File: VF061040.D
Acq: 17 Dec 2018 14:45

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	121405		
114	33.5	26.0	39.0	

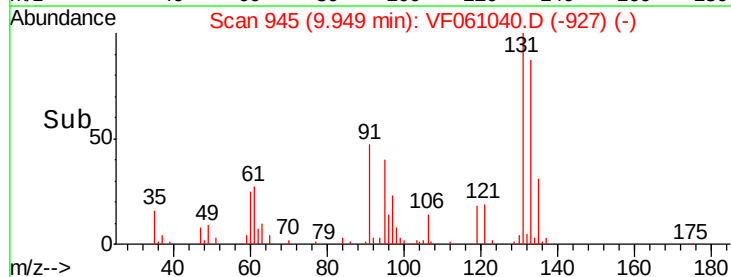
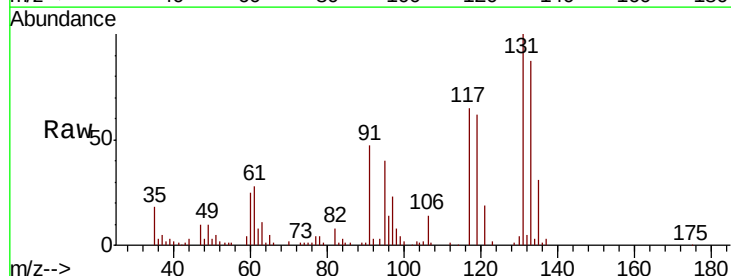
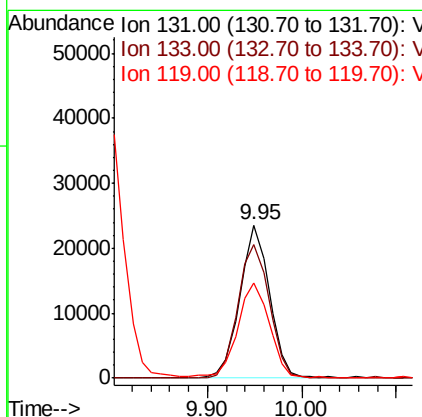
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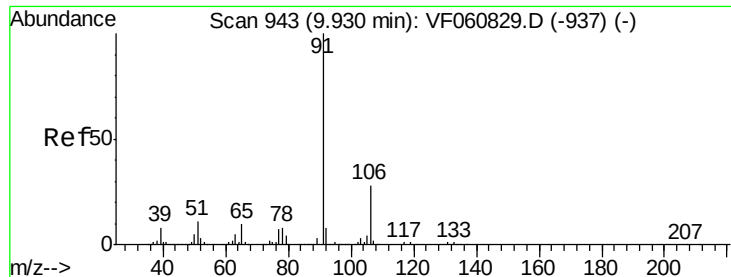
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.512 ug/l
RT: 9.95 min Scan# 945
Delta R.T. -0.02 min
Lab File: VF061040.D
Acq: 17 Dec 2018 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	51533		
133	87.2	46.5	139.3	
119	62.1	31.1	93.3	





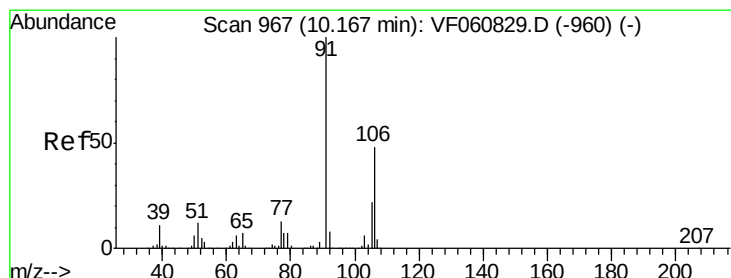
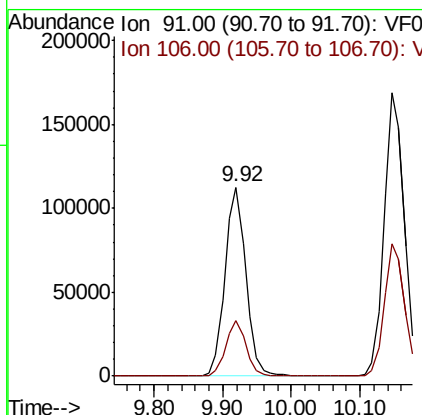
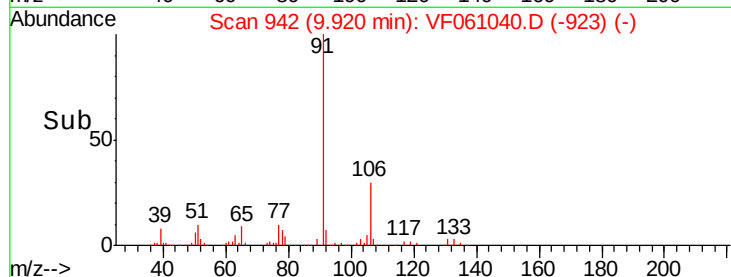
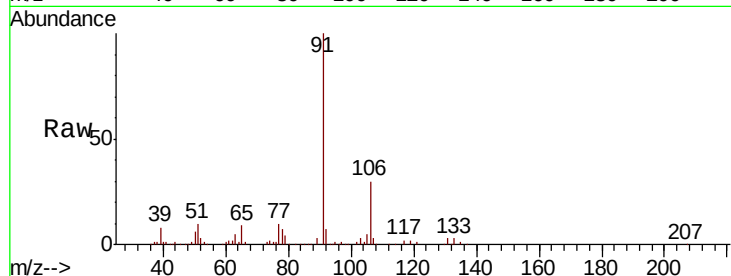
#67
Ethyl Benzene
Concen: 22.971 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF061040.D
Acq: 17 Dec 2018 14:45

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.8	22.2	33.2

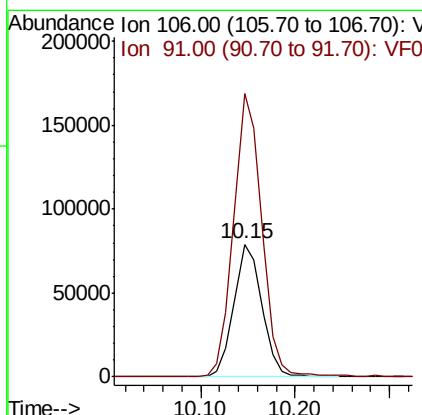
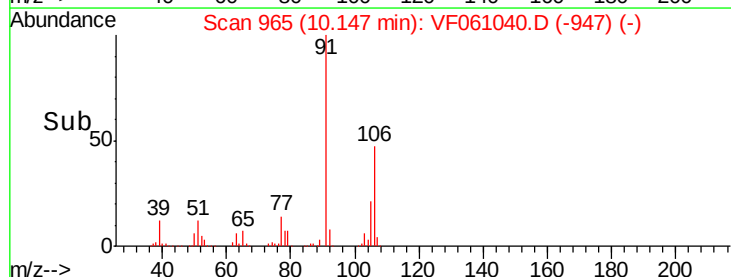
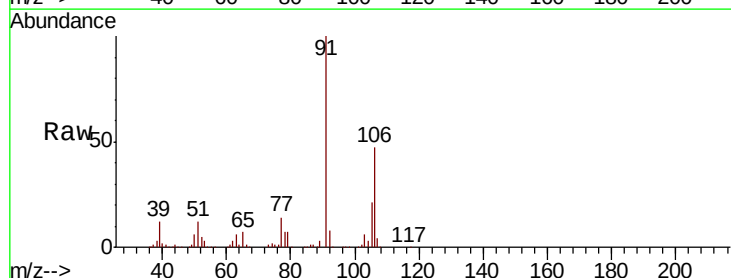
Manual Integrations
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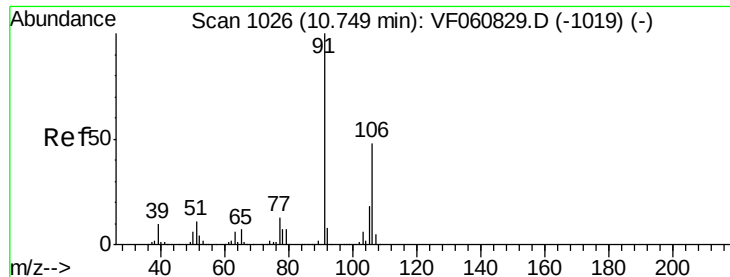
apatel
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#68
m/p-Xylenes
Concen: 43.896 ug/l
RT: 10.15 min Scan# 965
Delta R.T. -0.02 min
Lab File: VF061040.D
Acq: 17 Dec 2018 14:45

Tgt Ion	Ratio	Lower	Upper
106	100		
91	213.0	166.7	250.1





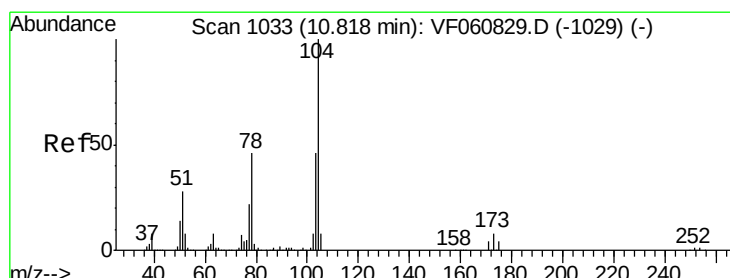
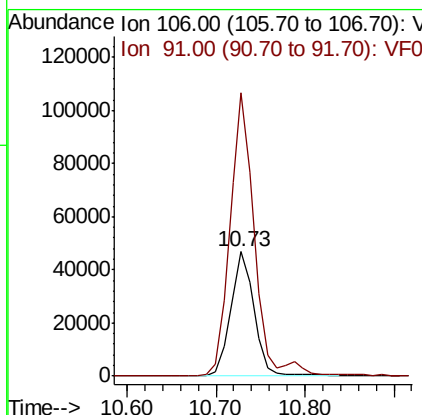
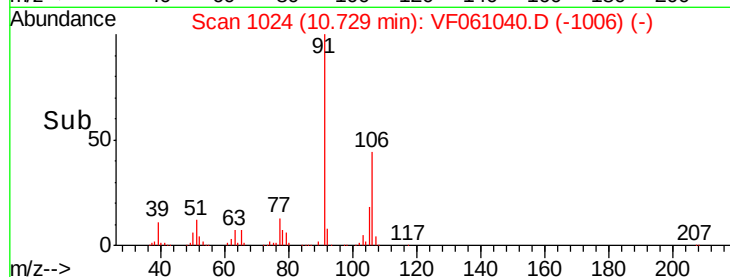
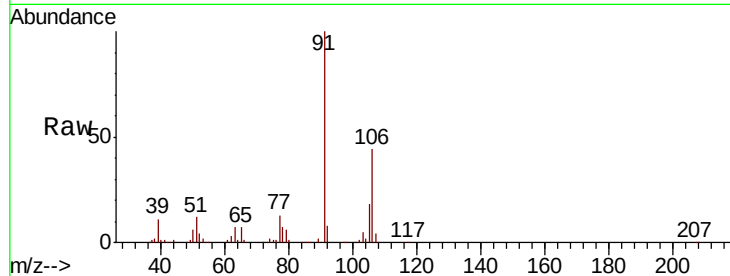
#69
o-Xylene
Concen: 21.157 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. -0.02 min
Lab File: VF061040.D
Acq: 17 Dec 2018 14:45

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion:106 Resp: 87047
Ion Ratio Lower Upper
106 100
91 227.8 104.8 314.6

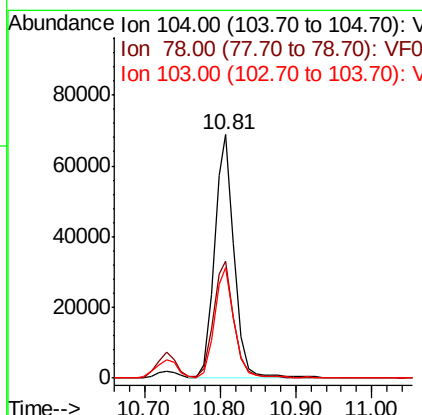
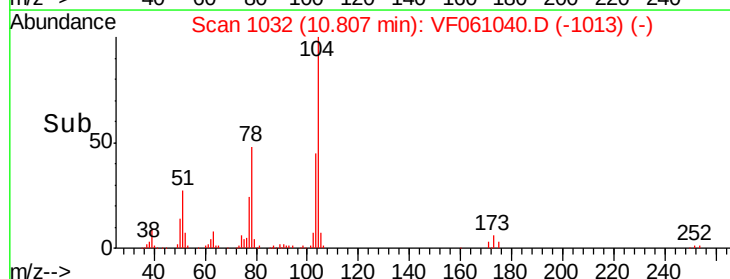
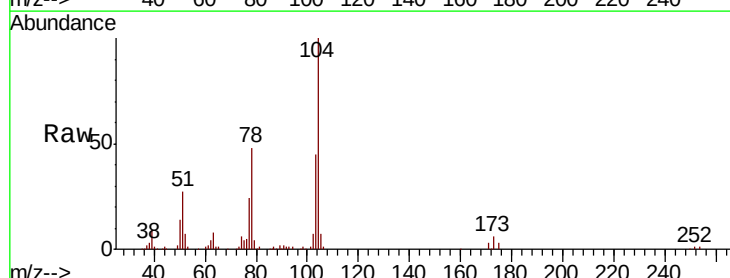
Manual Integrations
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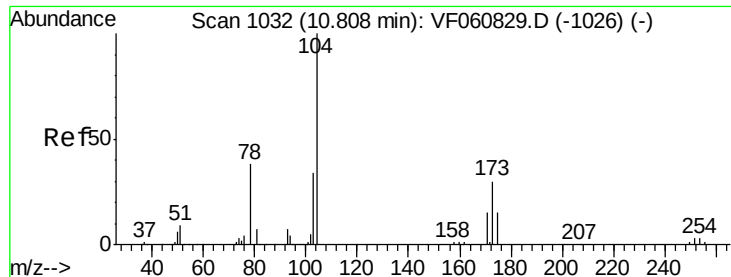
apatel
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#70
Styrene
Concen: 21.847 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VF061040.D
Acq: 17 Dec 2018 14:45

Tgt Ion:104 Resp: 124601
Ion Ratio Lower Upper
104 100
78 47.9 37.3 55.9
103 45.3 36.8 55.2





#71

Bromoform

Concen: 20.735 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Instrument :

MSVOA_F

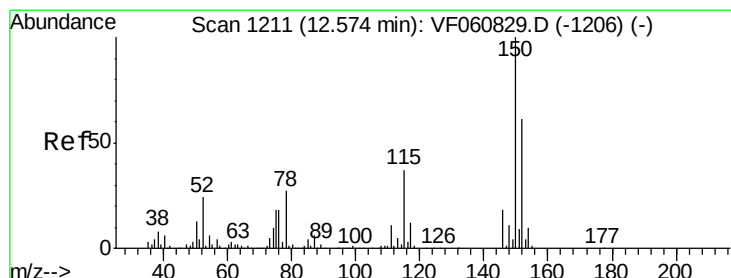
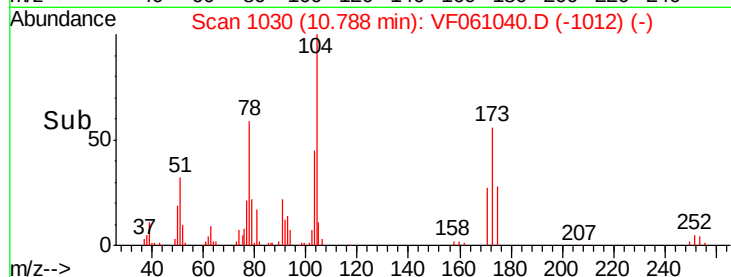
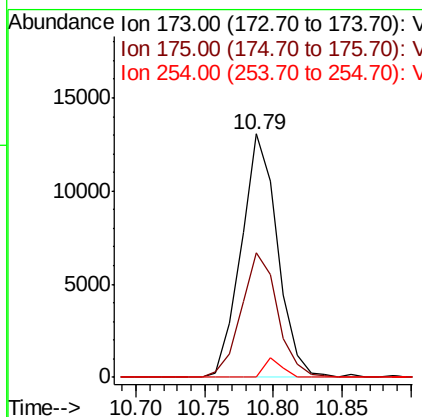
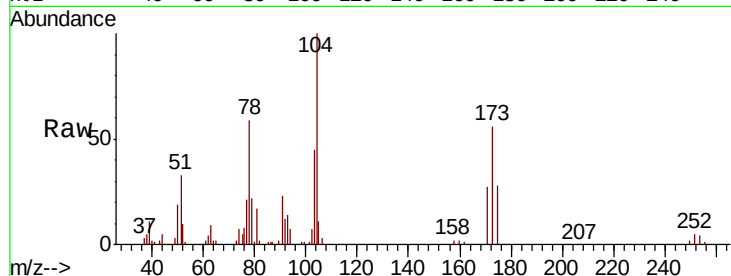
ClientSampleId :

VF1217SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.1	25.5	76.5
254	0.0	7.5	11.3

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

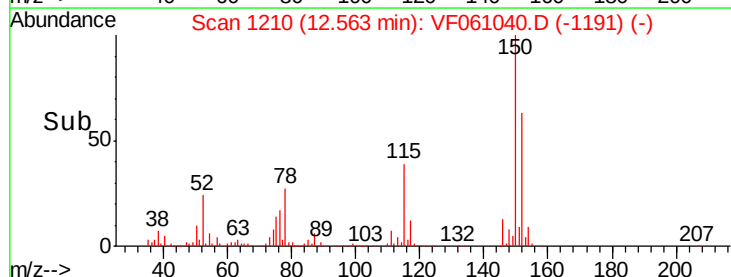
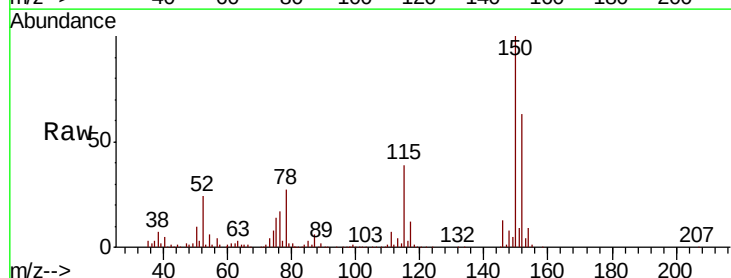
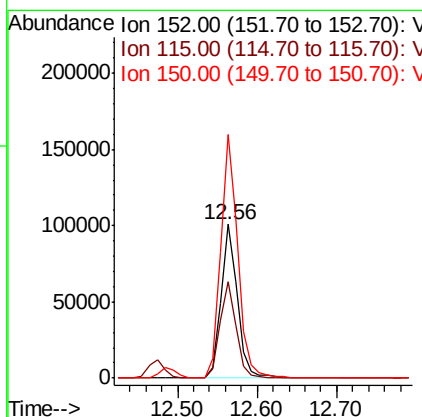
RT: 12.56 min Scan# 1210

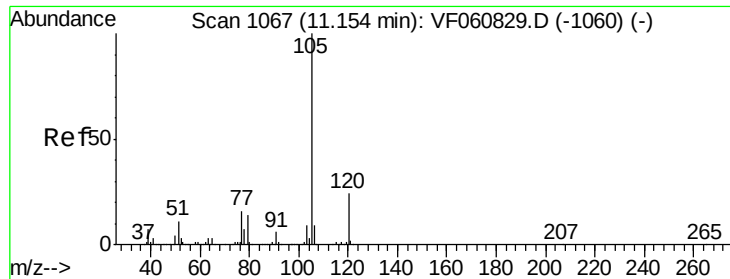
Delta R.T. -0.01 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.5	30.1	90.5
150	158.7	0.0	327.6





#73

Isopropylbenzene

Concen: 24.030 ug/l

RT: 11.14 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion:105 Resp: 278647

Ion Ratio Lower Upper

105 100

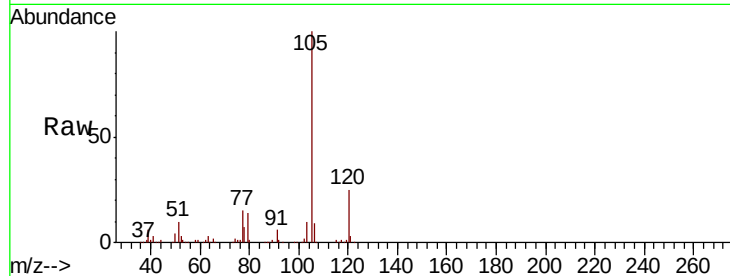
120 25.1 12.2 36.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.14

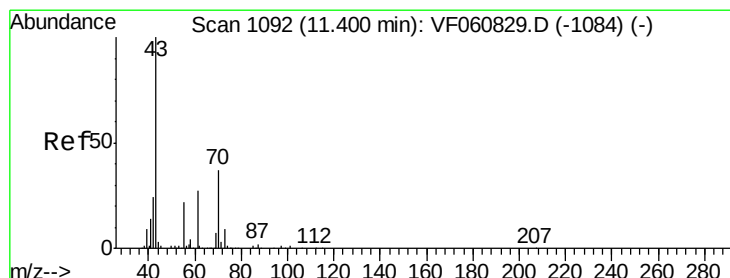
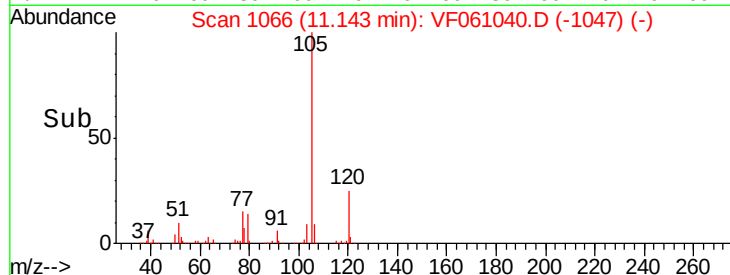
150000

100000

50000

0

Time--> 11.00 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 22.107 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Tgt Ion: 43 Resp: 59196

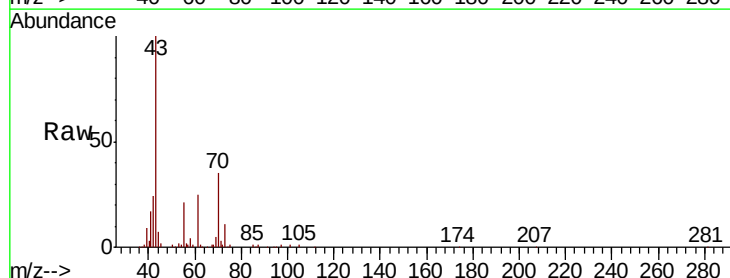
Ion Ratio Lower Upper

43 100

70 35.2 29.6 44.4

55 20.8 17.2 25.8

61 24.8 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

50000

40000

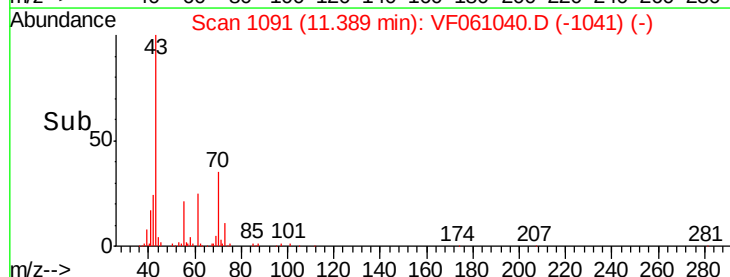
30000

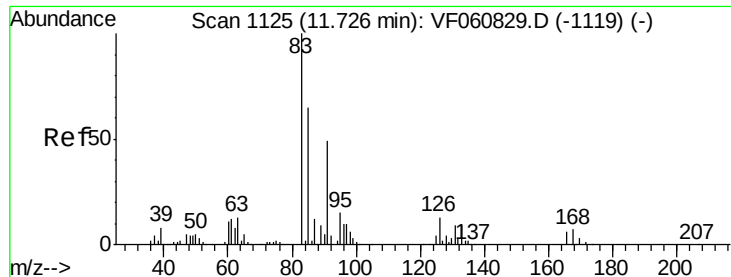
20000

10000

0

Time--> 11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 22.694 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Instrument :

MSVOA_F

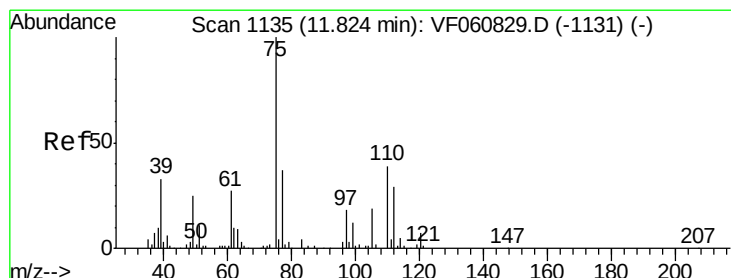
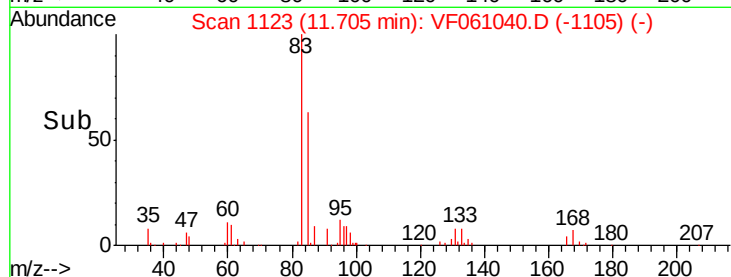
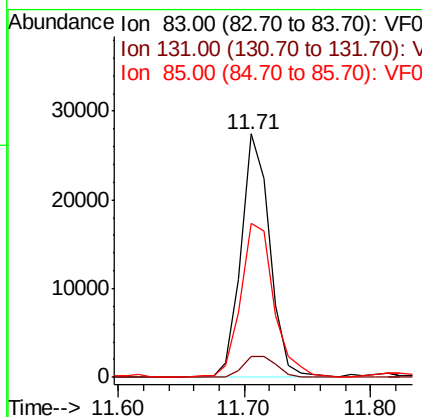
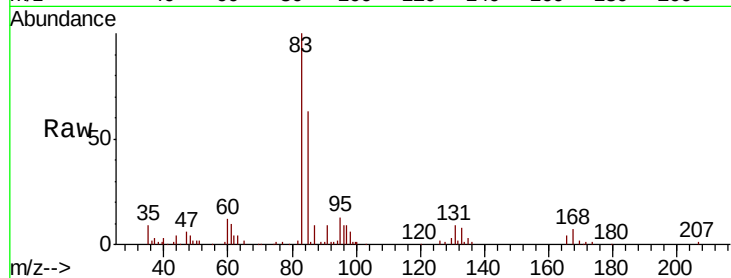
ClientSampleId :

VF1217SBS01

Tot Ion:	83	Resp:	43310
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.7	14.1
85	63.3	32.6	97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.874 ug/l

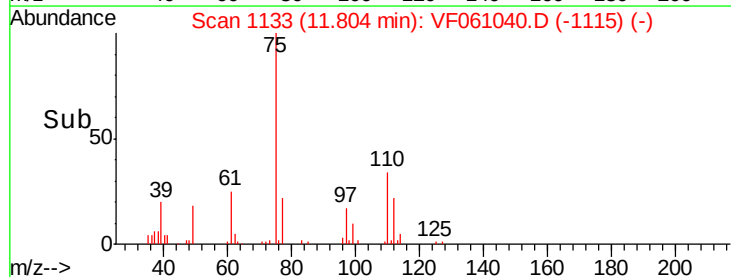
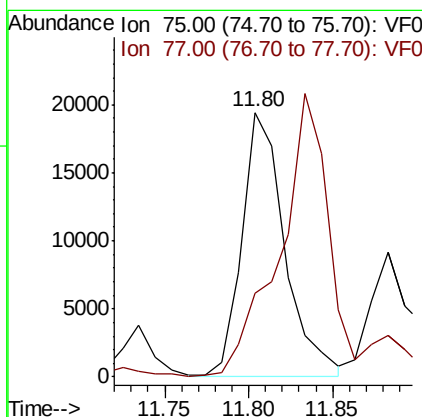
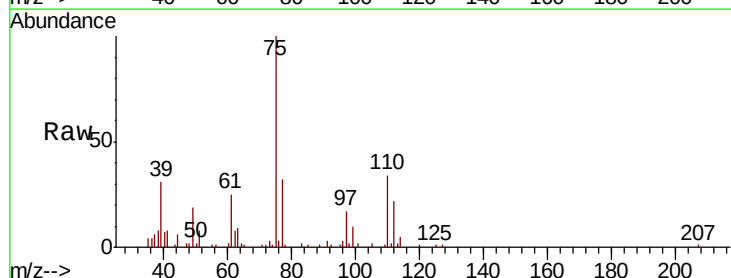
RT: 11.80 min Scan# 1133

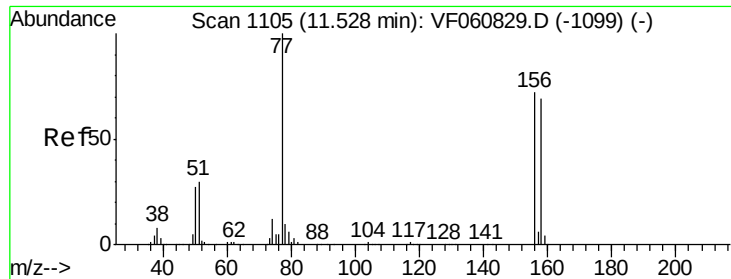
Delta R.T. -0.02 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Tgt Ion:	75	Resp:	34504
Ion Ratio	Lower	Upper	
75	100		
77	31.6	18.4	55.4





#77

Bromobenzene

Concen: 21.938 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.02 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion:156 Resp: 55773

Ion Ratio Lower Upper

156 100

77 185.3 69.7 209.0

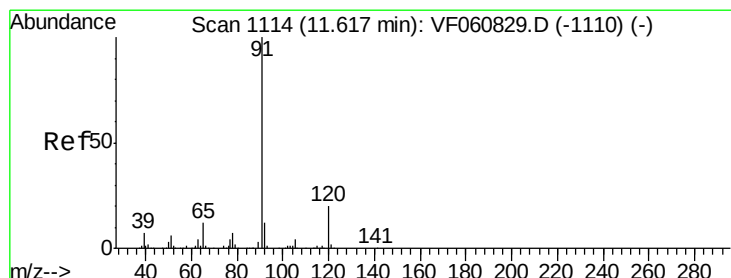
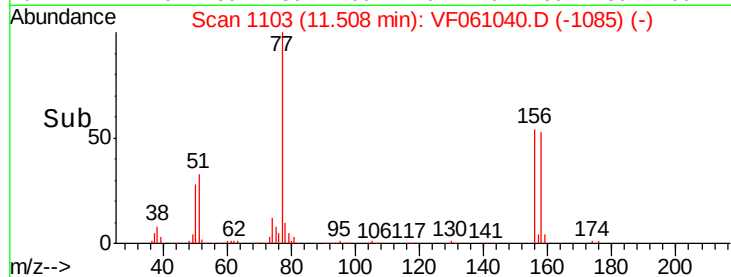
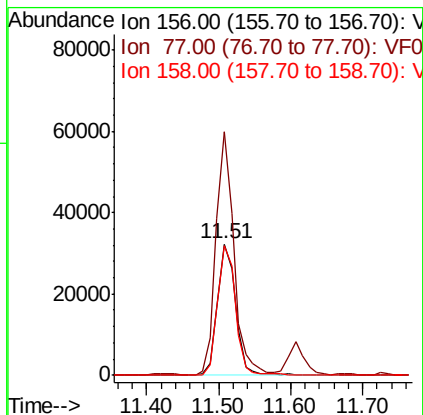
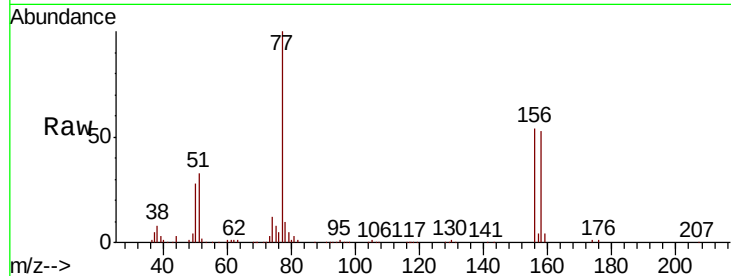
158 99.0 47.8 143.4

Manual Integrations

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#78

n-propylbenzene

Concen: 22.837 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF061040.D

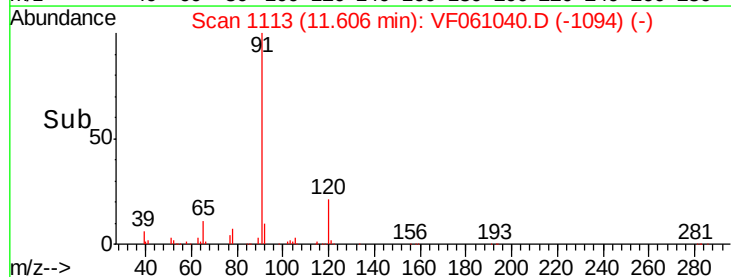
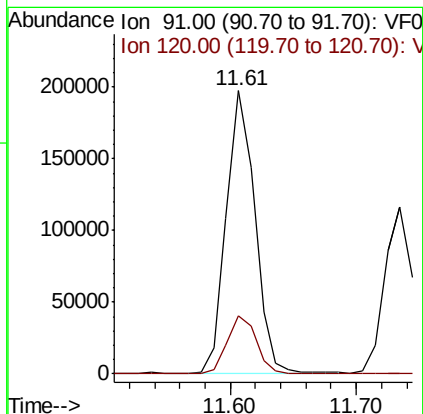
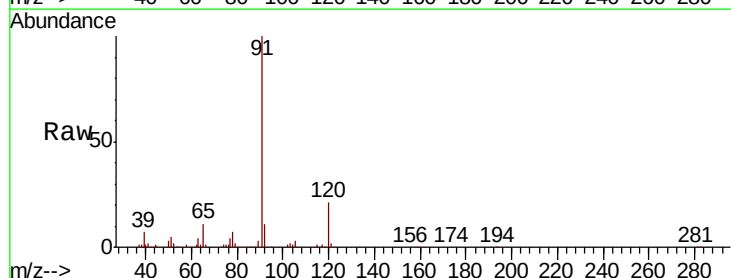
Acq: 17 Dec 2018 14:45

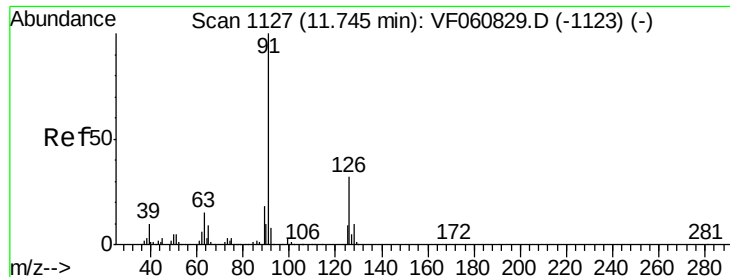
Tgt Ion: 91 Resp: 310121

Ion Ratio Lower Upper

91 100

120 20.7 10.3 30.8





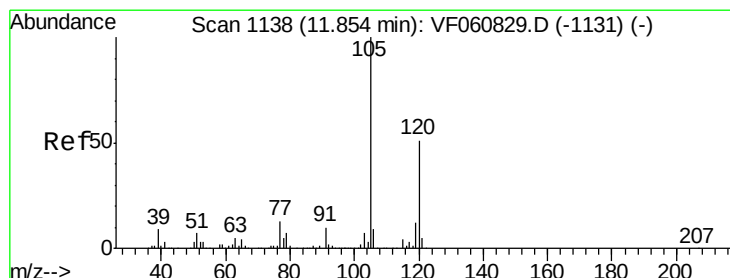
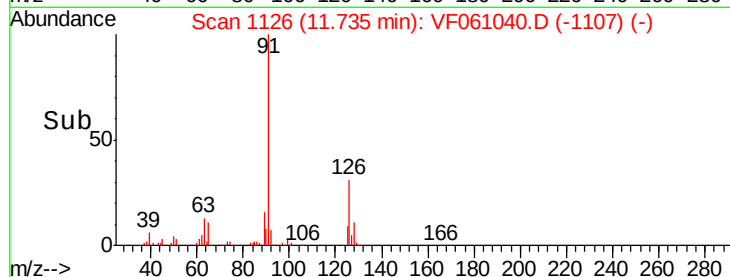
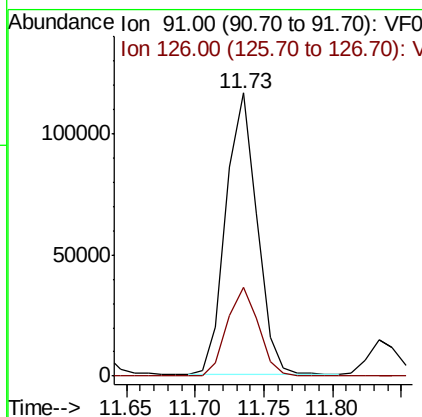
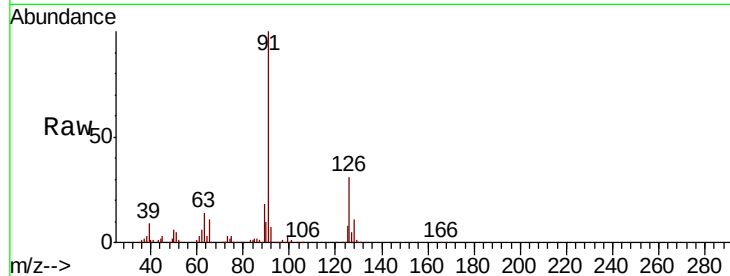
#79
 2-Chlorotoluene
 Concen: 23.612 ug/l
 RT: 11.73 min Scan# 1126
 Delta R.T. -0.01 min
 Lab File: VF061040.D
 Acq: 17 Dec 2018 14:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.9	47.6

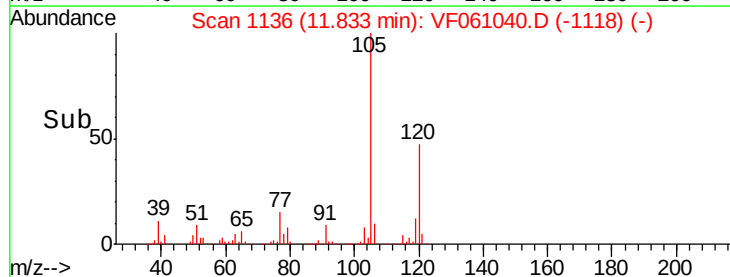
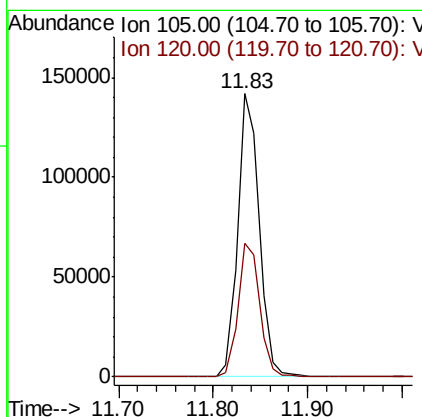
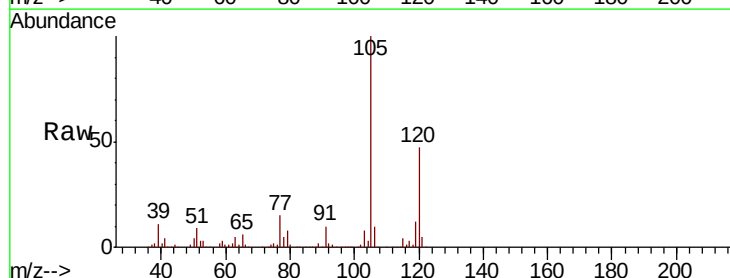
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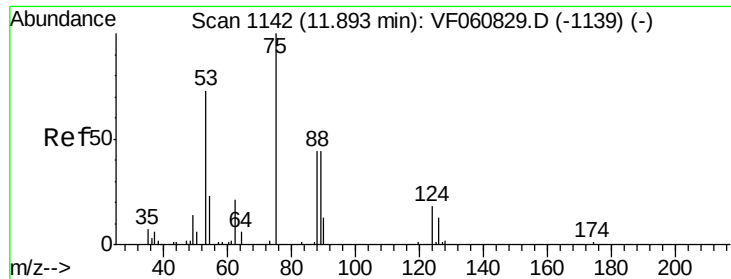
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#80
 1,3,5-Trimethylbenzene
 Concen: 23.768 ug/l
 RT: 11.83 min Scan# 1136
 Delta R.T. -0.02 min
 Lab File: VF061040.D
 Acq: 17 Dec 2018 14:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	25.8	77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 21.968 ug/l m

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Instrument :

MSVOA_F

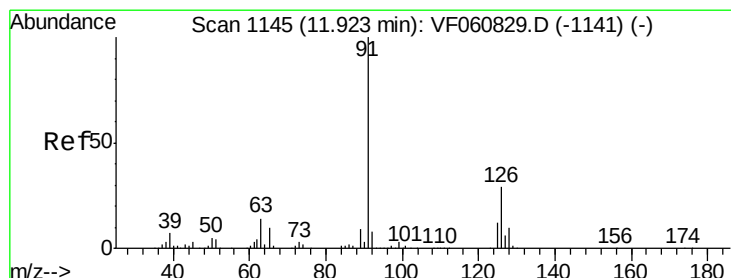
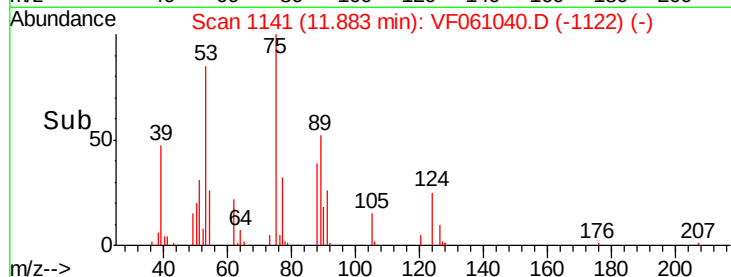
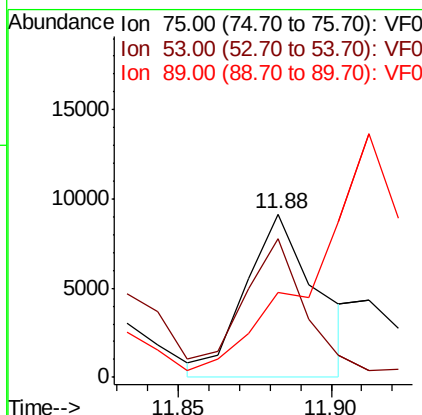
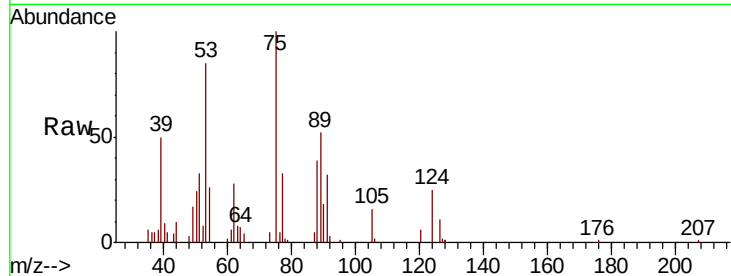
ClientSampleId :

VF1217SBSD01

Tot Ion:	75	Resp:	14931
Ion Ratio	Lower	Upper	
75	100		
53	84.6	65.9	98.9
89	51.5	38.8	58.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 23.288 ug/l

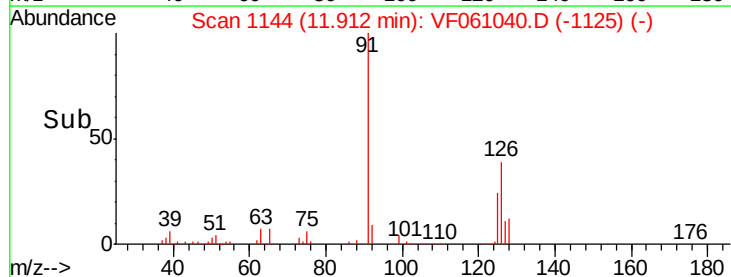
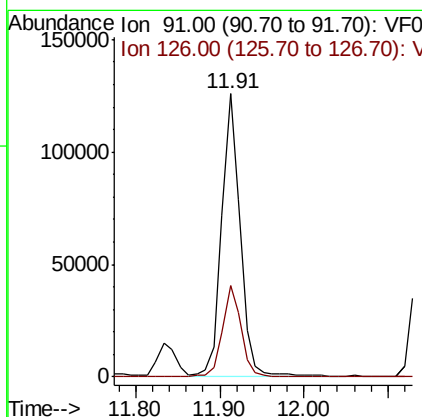
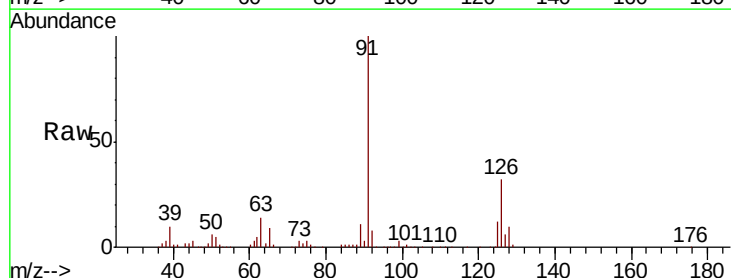
RT: 11.91 min Scan# 1144

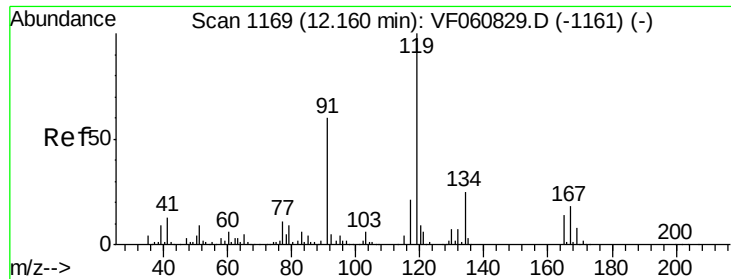
Delta R.T. -0.01 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Tgt Ion:	91	Resp:	190825
Ion Ratio	Lower	Upper	
91	100		
126	32.2	14.8	44.4





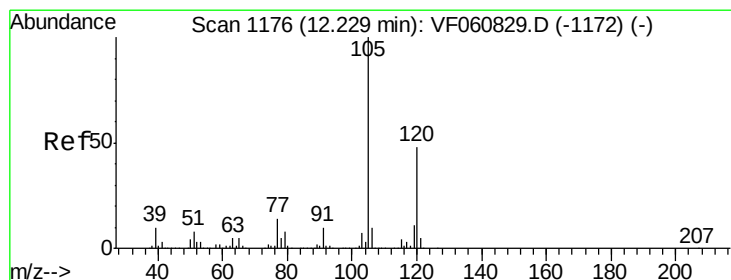
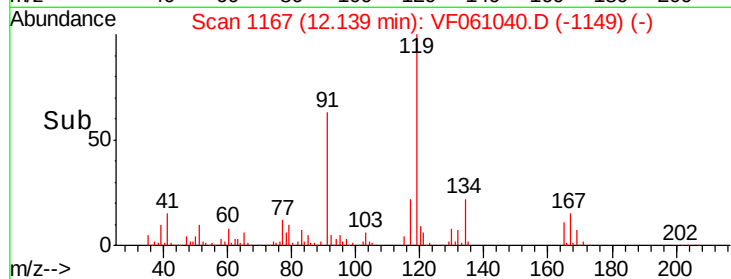
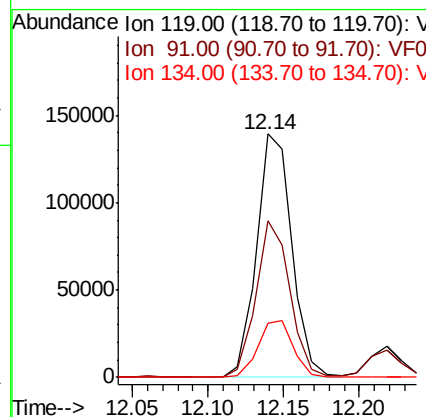
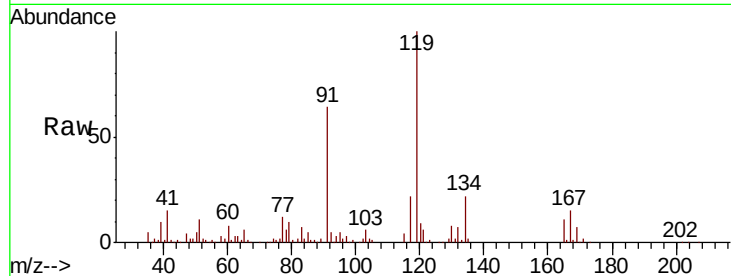
#83
 tert-Butylbenzene
 Concen: 23.806 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. -0.02 min
 Lab File: VF061040.D
 Acq: 17 Dec 2018 14:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	228278		
91	64.3		30.1	90.3
134	22.4		12.6	37.8

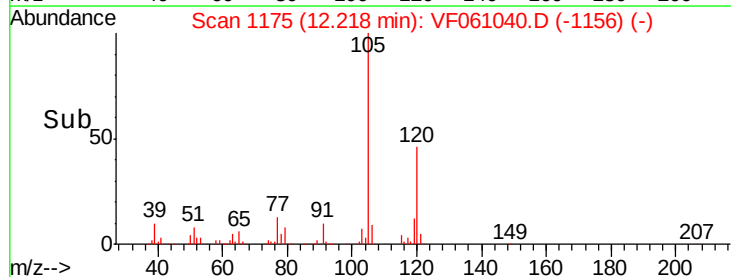
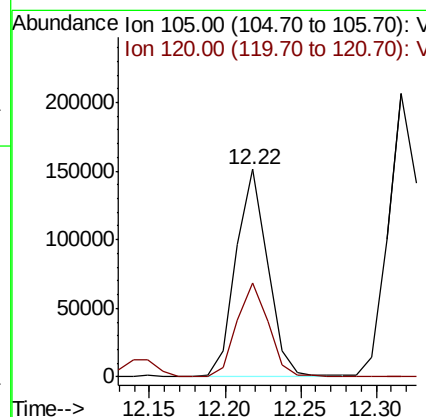
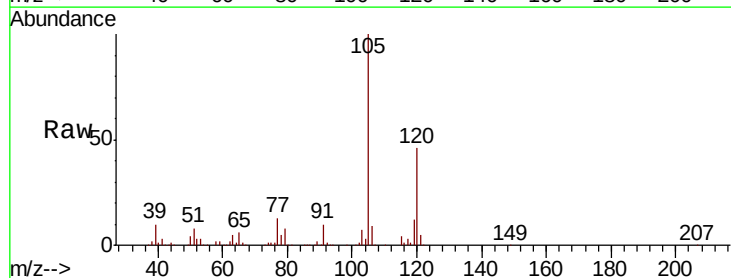
Manual Integrations
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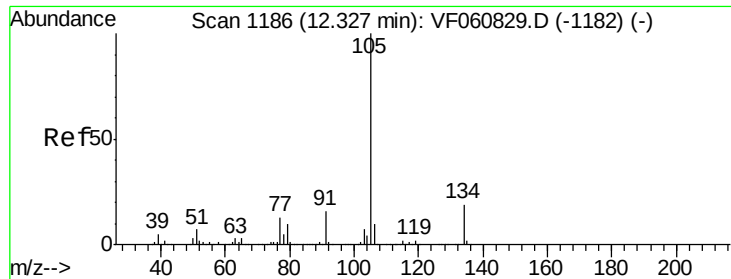
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.630 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VF061040.D
 Acq: 17 Dec 2018 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	222012		
120	45.5		23.8	71.5





#85

sec-Butylbenzene

Concen: 22.966 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Instrument :

MSVOA_F

ClientSampleId :

VF1217SBS01

Tot Ion:105 Resp: 301471

Ion Ratio Lower Upper

105 100

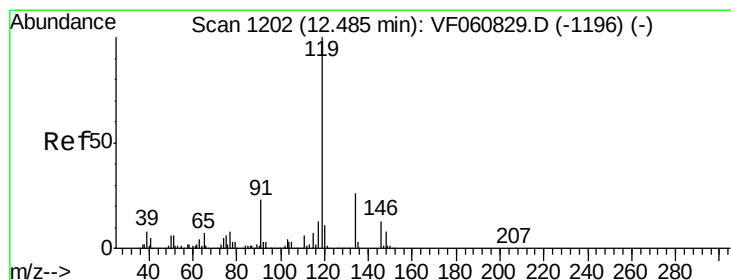
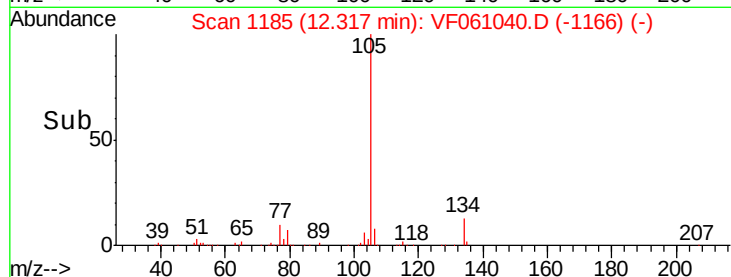
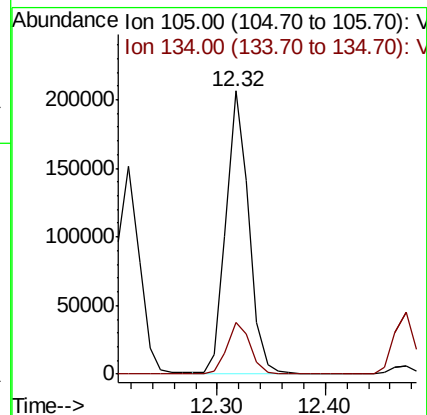
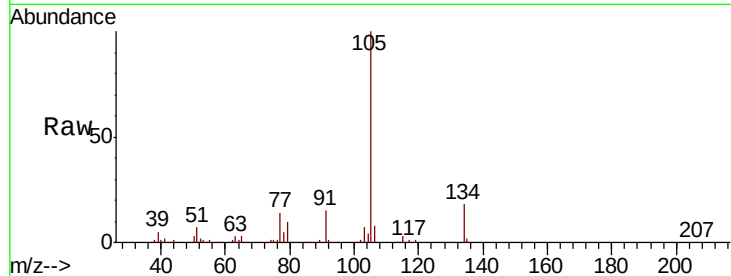
134 18.3 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 22.541 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

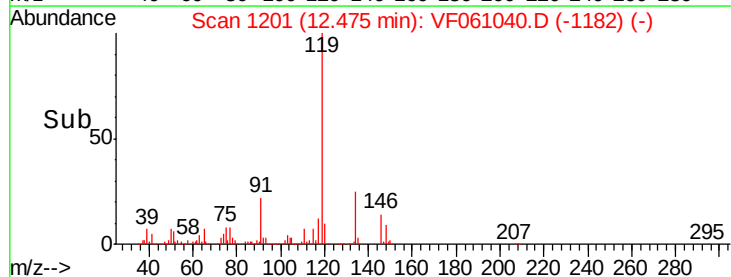
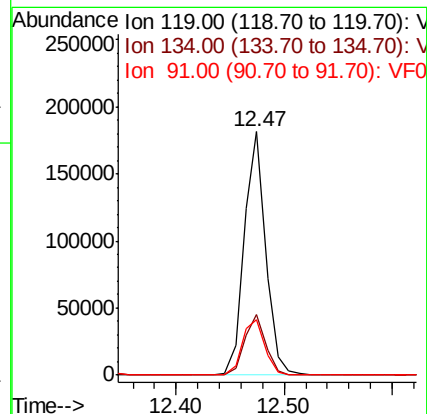
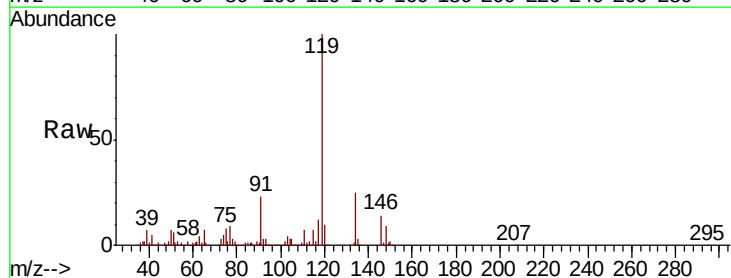
Tgt Ion:119 Resp: 248080

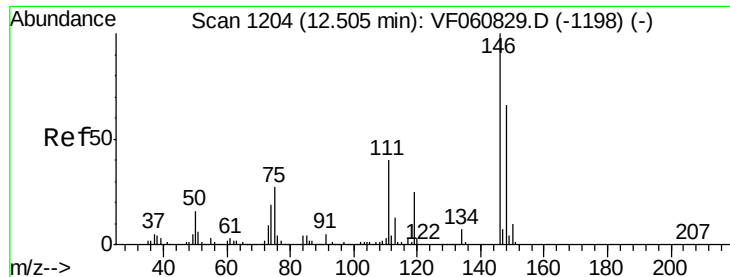
Ion Ratio Lower Upper

119 100

134 24.9 12.9 38.6

91 22.5 11.8 35.3





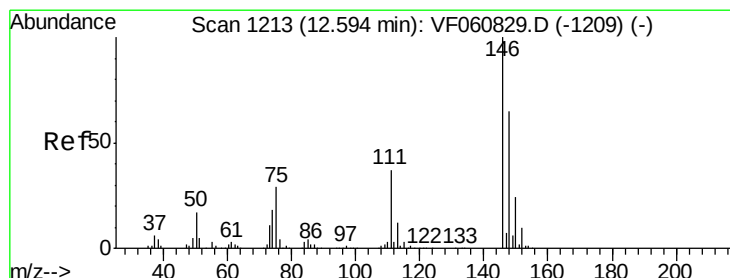
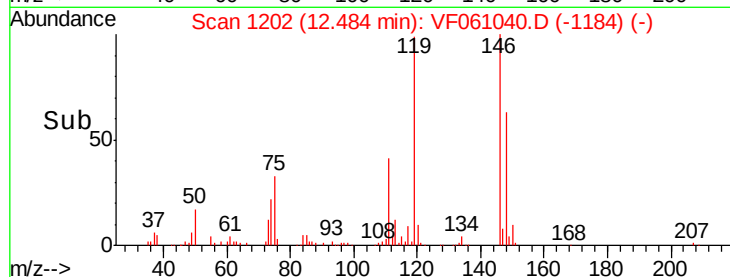
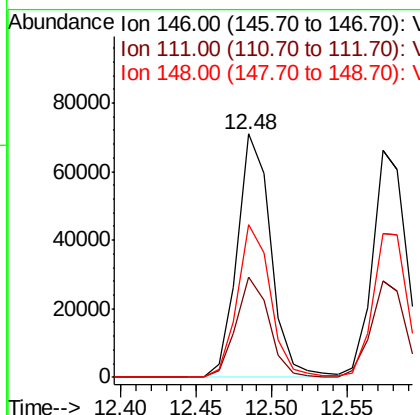
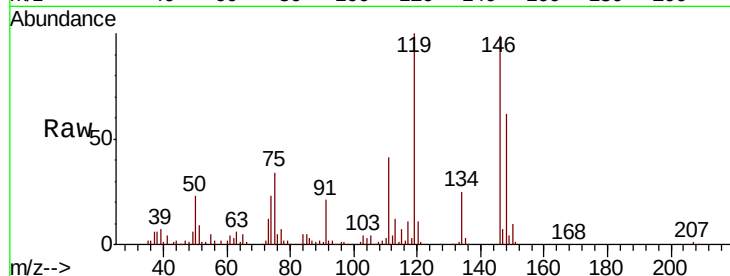
#87
 1,3-Dichlorobenzene
 Concen: 22.678 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. -0.02 min
 Lab File: VF061040.D
 Acq: 17 Dec 2018 14:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.0	59.9
148	62.7	32.9	98.6

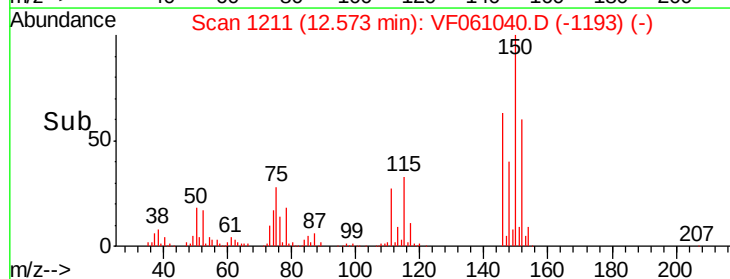
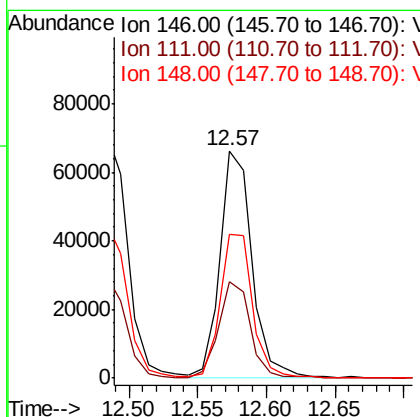
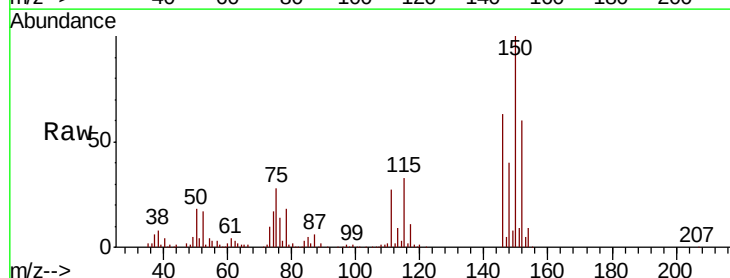
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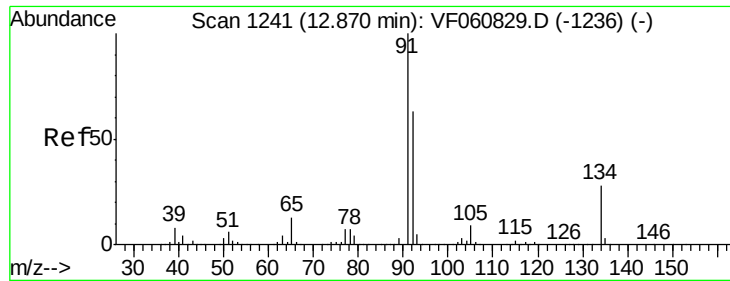
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#88
 1,4-Dichlorobenzene
 Concen: 22.509 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. -0.02 min
 Lab File: VF061040.D
 Acq: 17 Dec 2018 14:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	18.9	56.7
148	63.1	32.3	96.9





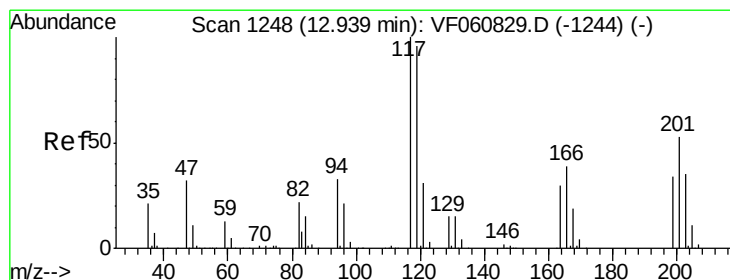
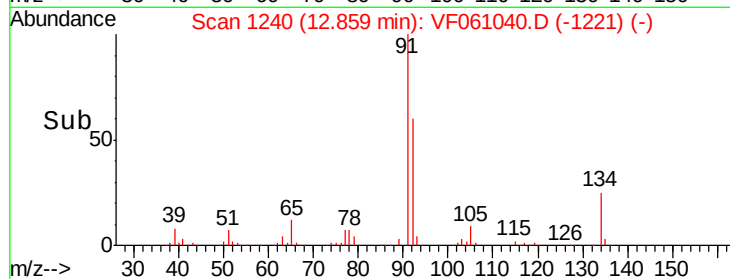
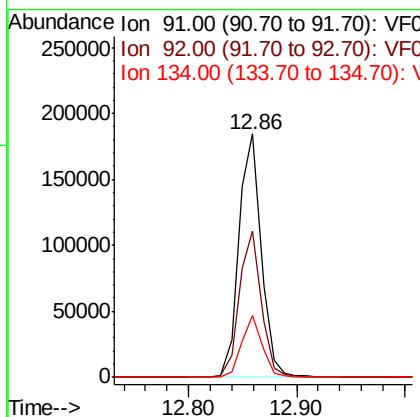
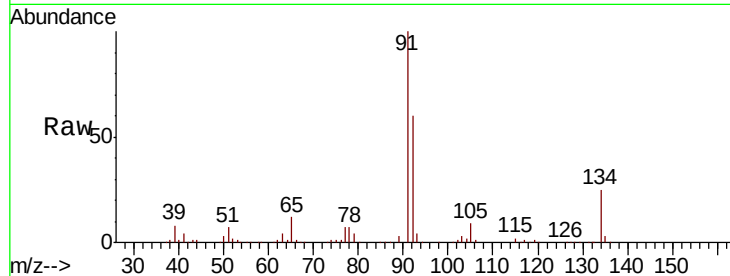
#89
n-Butylbenzene
Concen: 23.696 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VF061040.D
Acq: 17 Dec 2018 14:45

Instrument :
MSVOA_F
ClientSampleId :
VF1217SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.2	31.6	94.7
134	25.4	13.8	41.4

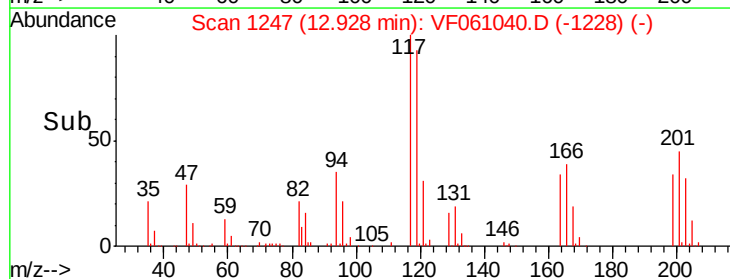
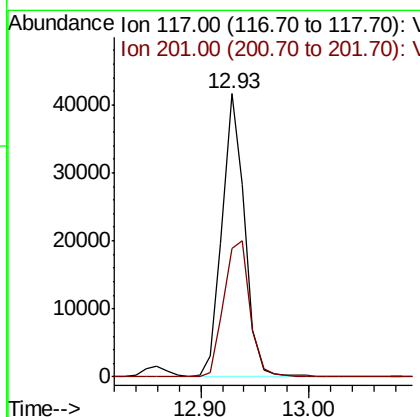
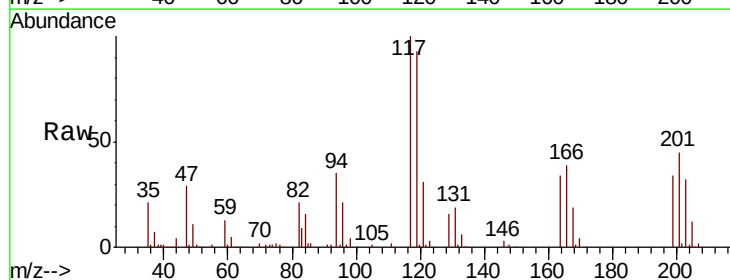
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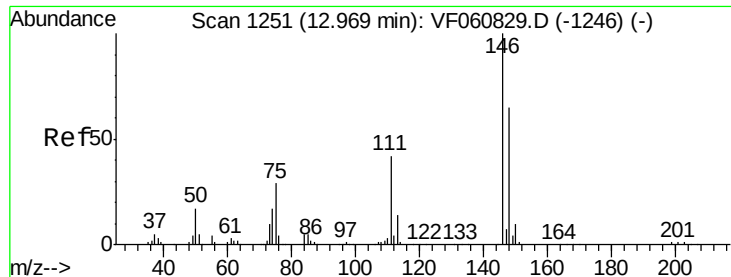
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#90
Hexachloroethane
Concen: 22.804 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VF061040.D
Acq: 17 Dec 2018 14:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	45.3	26.7	80.1





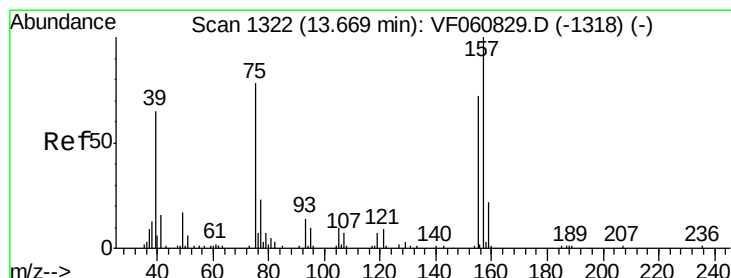
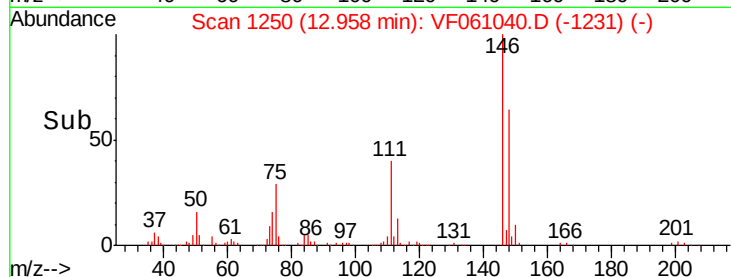
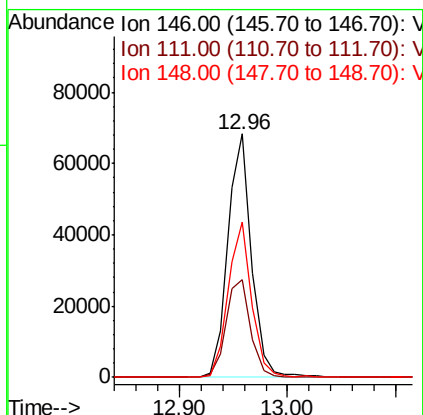
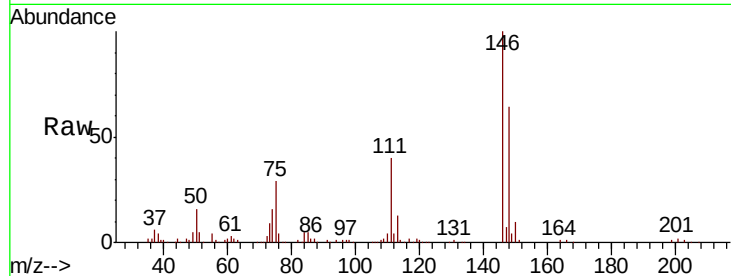
#91
 1,2-Dichlorobenzene
 Concen: 22.680 ug/l
 RT: 12.96 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: VF061040.D
 Acq: 17 Dec 2018 14:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	103860		
111	40.2	21.2	63.6	
148	63.9	32.5	97.5	

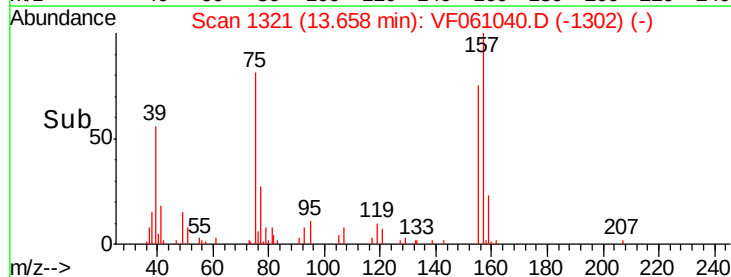
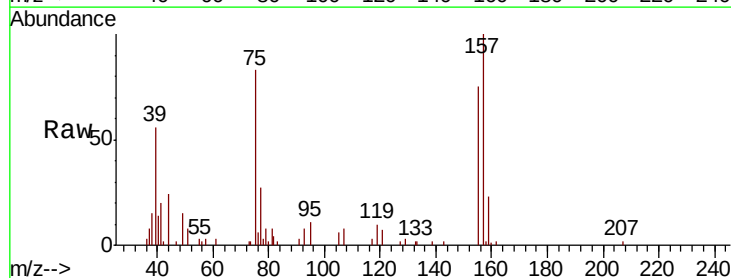
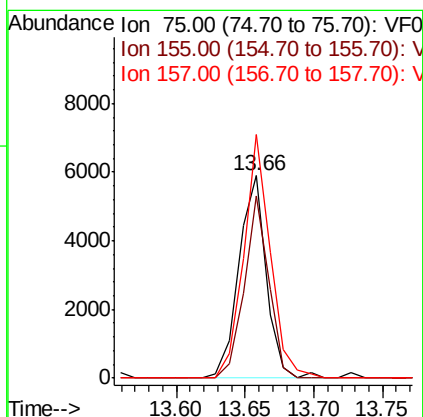
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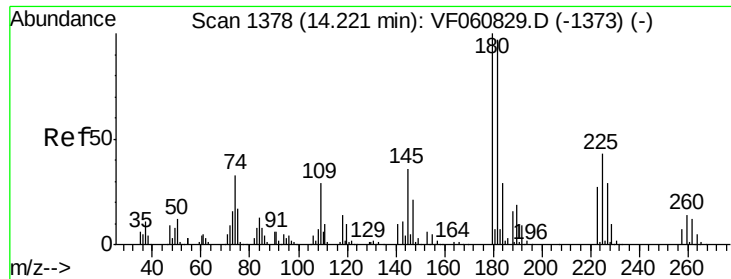
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.259 ug/l
 RT: 13.66 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VF061040.D
 Acq: 17 Dec 2018 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8213		
155	90.0	45.6	136.9	
157	120.3	63.8	191.5	





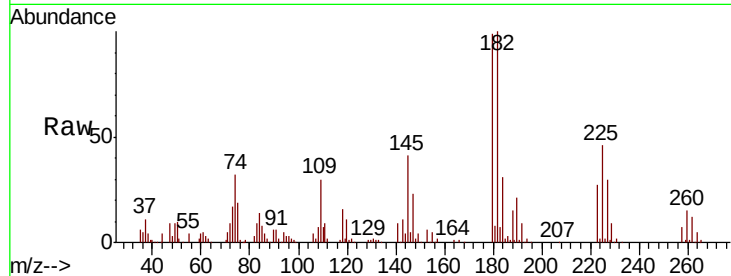
#93
 1,2,4-Trichlorobenzene
 Concen: 23.740 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VF061040.D
 Acq: 17 Dec 2018 14:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1217SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.6	48.5	145.5
145	41.5	18.1	54.3

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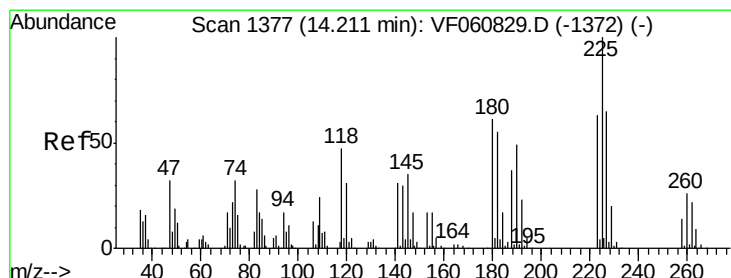
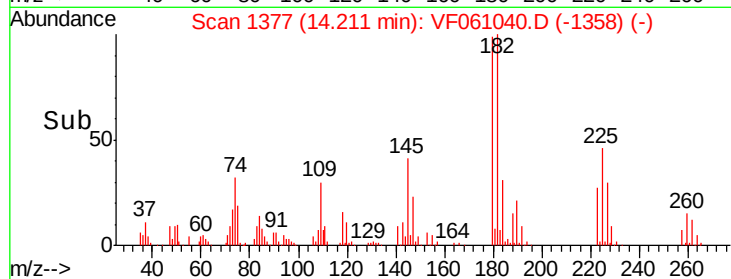
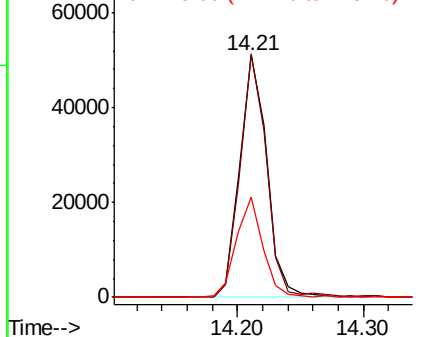


Abundance

Ion 180.00 (179.70 to 180.70): V

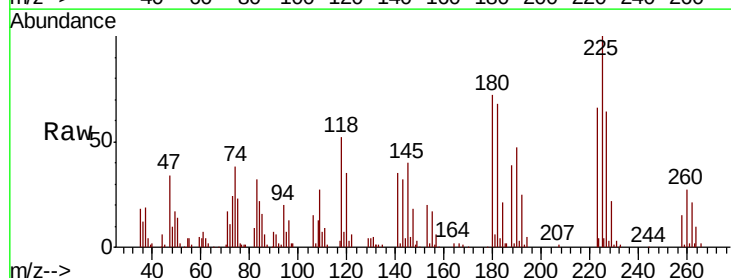
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 22.429 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF061040.D
 Acq: 17 Dec 2018 14:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.3	31.4	94.3
227	64.4	32.5	97.5

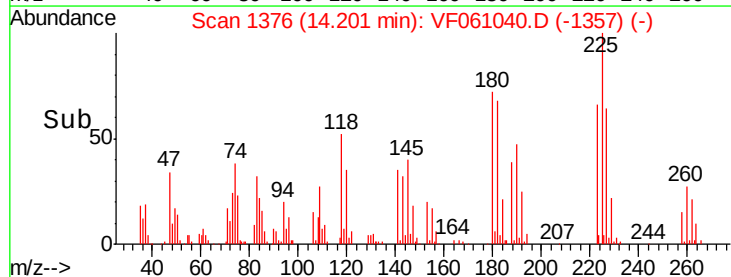
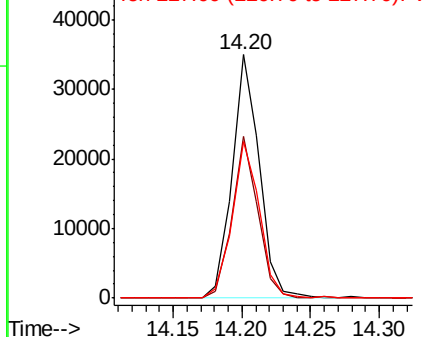


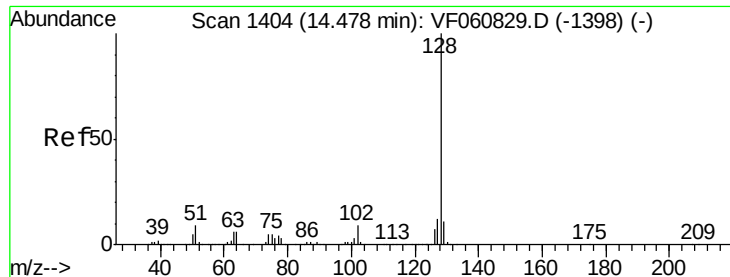
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 19.458 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. -0.01 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Instrument :

MSVOA_F

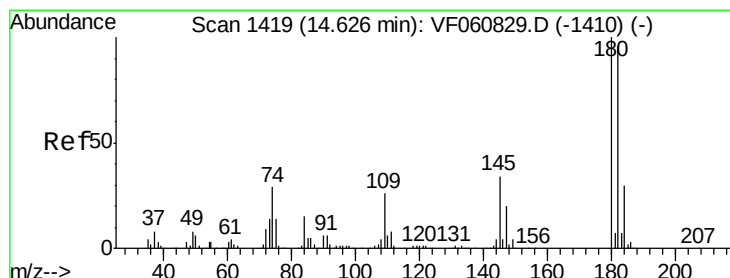
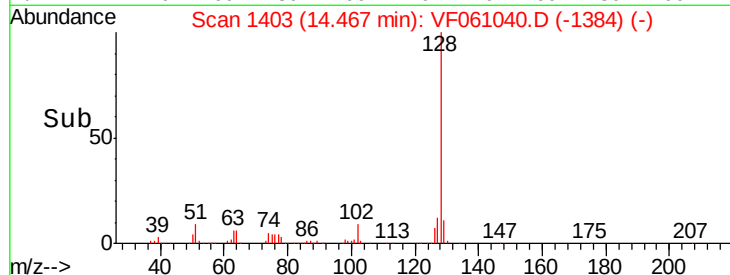
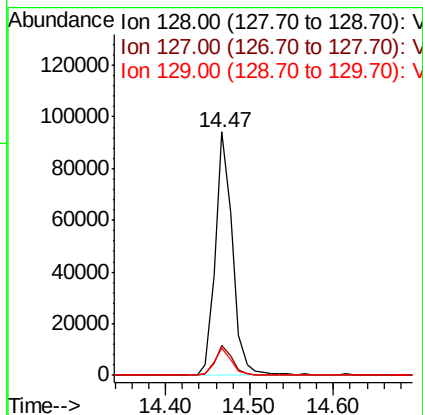
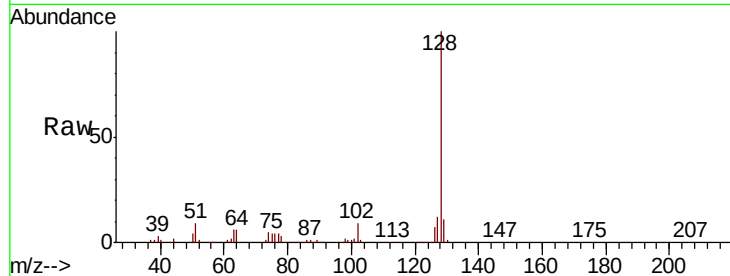
ClientSampleId :

VF1217SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		134115		
127	12.0		9.9	14.9	
129	11.3		9.1	13.7	

Manual Integrations
APPROVED

apatel
12/18/2018 2:32:32 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.630 ug/l

RT: 14.62 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VF061040.D

Acq: 17 Dec 2018 14:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		67234		
182	95.4		47.9	143.8	
145	35.9		17.2	51.5	

