

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
 Data File : VF059776.D
 Acq On : 2 Aug 2018 2:35
 Operator : VA/AP
 Sample : VF0801SBS02
 Misc : 5µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBS02

Manual Integrations
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 8/10/2018 3:51:06 PM

Quant Time: Aug 02 07:42:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	167069	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.77	114	239850	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	240561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	158354	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	164244	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
35) Dibromofluoromethane	4.29	113	129774	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	7.71	98	293088	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.52	95	164397	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	56575	27.59	ug/l	98
3) Chloromethane	1.08	50	27713	26.22	ug/l	89
4) Vinyl Chloride	1.15	62	26258	23.40	ug/l	90
5) Bromomethane	1.33	94	23516	25.61	ug/l	96
6) Chloroethane	1.41	64	18132	26.76	ug/l	88
7) Trichlorofluoromethane	1.53	101	74050m	23.73	ug/l	
8) Diethyl Ether	1.71	74	12369	23.19	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.91	101	38141	23.34	ug/l	96
10) Methyl Iodide	1.96	142	63990	25.99	ug/l	97
11) Tert butyl alcohol	2.70	59	11806	96.62	ug/l #	94
12) 1,1-Dichloroethene	1.85	96	31338	24.22	ug/l	82
13) Acrolein	2.09	56	3396m	66.18	ug/l	
14) Allyl chloride	2.19	41	46598	22.56	ug/l #	98
15) Acrylonitrile	3.08	53	24138	124.45	ug/l #	89
16) Acetone	2.34	43	48645	90.07	ug/l	98
17) Carbon Disulfide	1.90	76	77900m	26.88	ug/l	
18) Methyl Acetate	2.46	43	28633m	32.41	ug/l	
19) Methyl tert-butyl Ether	2.54	73	88556	22.44	ug/l	96
20) Methylene Chloride	2.28	84	33506	24.88	ug/l	87
21) trans-1,2-Dichloroethene	2.41	96	29306	24.58	ug/l	85
22) Diisopropyl ether	2.93	45	99673	22.82	ug/l	96
23) Vinyl Acetate	3.34	43	226233	100.73	ug/l	98
24) 1,1-Dichloroethane	3.00	63	71430	23.54	ug/l #	97
25) 2-Butanone	4.52	43	60437	100.27	ug/l #	81
26) 2,2-Dichloropropane	3.76	77	47976	22.18	ug/l	92
27) cis-1,2-Dichloroethene	3.64	96	37341	22.98	ug/l	93
28) Bromochloromethane	3.89	49	27056	23.14	ug/l	91
29) Tetrahydrofuran	4.26	42	24393	105.30	ug/l	98
30) Chloroform	4.03	83	100636	23.49	ug/l	96
31) Cyclohexane	3.87	56	38588	24.10	ug/l #	92
32) 1,1,1-Trichloroethane	4.27	97	81565	24.55	ug/l	94
36) 1,1-Dichloropropene	4.46	75	57876	21.59	ug/l	94
37) Ethyl Acetate	4.30	43	27831	20.52	ug/l	85
38) Carbon Tetrachloride	4.16	117	84773m	22.23	ug/l	

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 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	47864	23.56	ug/l	98
40) Benzene	4.81	78	106556	22.00	ug/l	98
41) Methacrylonitrile	4.92	41	15876	24.88	ug/l	91
42) 1,2-Dichloroethane	5.12	62	72992	21.53	ug/l	95
43) Isopropyl Acetate	7.12	43	28074	19.57	ug/l #	91
44) Trichloroethene	5.67	130	43356	23.95	ug/l	77
45) 1,2-Dichloropropane	6.41	63	27943	21.84	ug/l	93
46) Dibromomethane	6.25	93	27375	22.54	ug/l #	87
47) Bromodichloromethane	6.55	83	74759	22.61	ug/l	98
48) Methyl methacrylate	6.88	41	18894	17.51	ug/l #	89
49) 1,4-Dioxane	6.87	88	2294	288.66	ug/l #	58
51) 4-Methyl-2-Pentanone	8.41	43	120320	110.29	ug/l	94
52) Toluene	7.78	92	78891	23.04	ug/l	90
53) t-1,3-Dichloropropene	8.43	75	62778	21.88	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	60266	21.68	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	28920	22.05	ug/l	95
56) Ethyl methacrylate	8.77	69	26806	19.59	ug/l	99
57) 1,3-Dichloropropane	9.00	76	49333	21.92	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	17395	110.13	ug/l	100
59) 2-Hexanone	9.63	43	79909	91.40	ug/l	98
60) Dibromochloromethane	8.86	129	51163	22.10	ug/l	99
61) 1,2-Dibromoethane	9.14	107	34265	22.37	ug/l	93
64) Tetrachloroethene	8.30	164	47723	27.39	ug/l	96
65) Chlorobenzene	9.94	112	104355	21.69	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	50013	22.26	ug/l	92
67) Ethyl Benzene	10.04	91	187158	22.48	ug/l	95
68) m/p-Xylenes	10.27	106	134101	47.40	ug/l	99
69) o-Xylene	10.84	106	73244	23.87	ug/l	98
70) Styrene	10.91	104	106307	22.87	ug/l	96
71) Bromoform	10.90	173	32320	22.08	ug/l	97
73) Isopropylbenzene	11.23	105	229394	22.08	ug/l	98
74) N-amyl acetate	11.47	43	48277	18.42	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.79	83	42325	21.64	ug/l	95
76) 1,2,3-Trichloropropane	11.89	75	36480	21.93	ug/l	96
77) Bromobenzene	11.60	156	61115	22.52	ug/l	95
78) n-propylbenzene	11.69	91	282241	23.88	ug/l	99
79) 2-Chlorotoluene	11.81	91	166108	22.35	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	215627	23.60	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	13655m	19.83	ug/l	
82) 4-Chlorotoluene	11.99	91	177245	22.55	ug/l	95
83) tert-Butylbenzene	12.22	119	203914	21.86	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	218056	23.69	ug/l	97
85) sec-Butylbenzene	12.39	105	270889	22.57	ug/l	100
86) p-Isopropyltoluene	12.54	119	241765	23.12	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	116523	23.16	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	111456	22.61	ug/l	97
89) n-Butylbenzene	12.92	91	231592	23.31	ug/l	91
90) Hexachloroethane	13.00	117	61598	23.50	ug/l	95
91) 1,2-Dichlorobenzene	13.02	146	111790	23.48	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9857	20.62	ug/l	82

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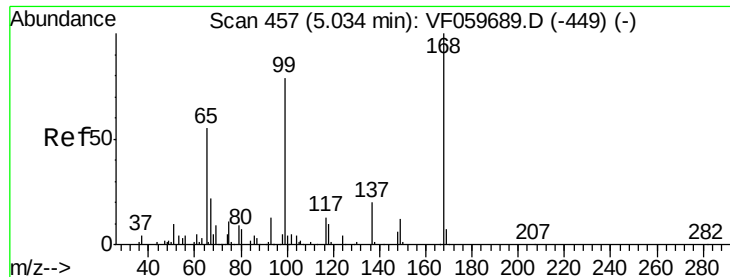
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	81502	20.84	ug/l	96
94) Hexachlorobutadiene	14.26	225	58211	22.41	ug/l	97
95) Naphthalene	14.52	128	153347	22.46	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	78381	20.77	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.02 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBS02

Tot Ion:168 Resp: 167069

Ion Ratio Lower Upper

168 100

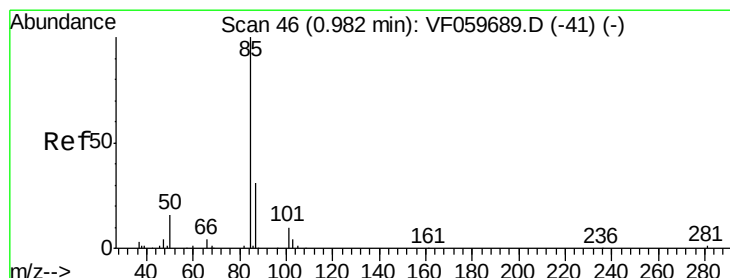
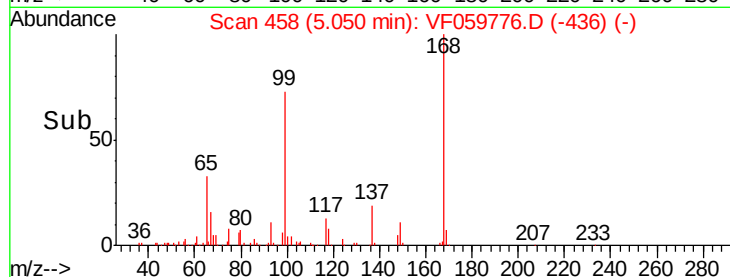
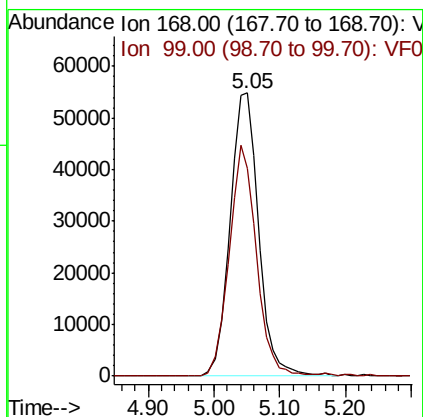
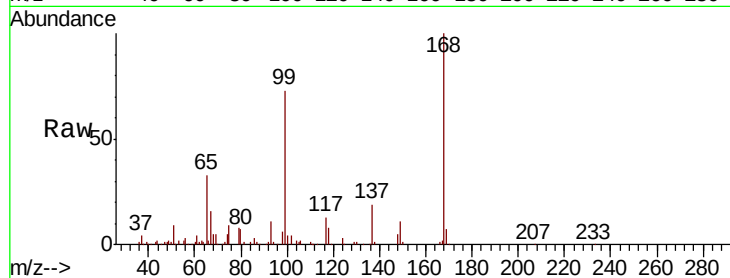
99 73.3 63.3 94.9

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#2

Dichlorodifluoromethane

Concen: 27.59 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059776.D

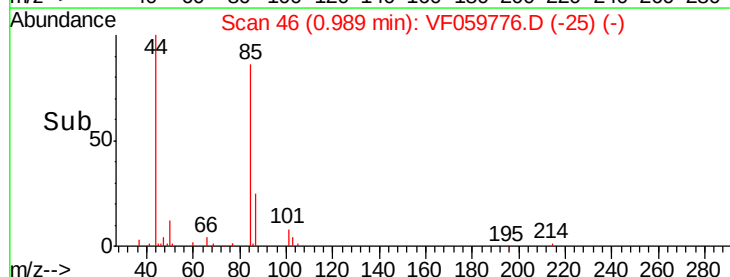
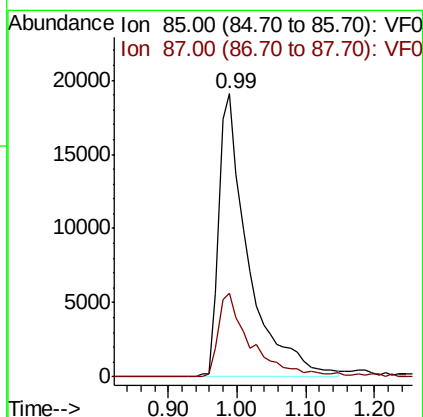
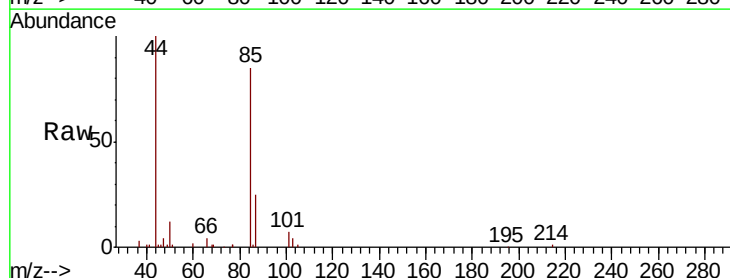
Acq: 2 Aug 2018 2:35

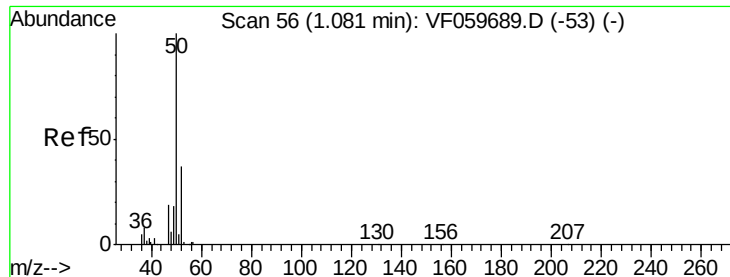
Tgt Ion: 85 Resp: 56575

Ion Ratio Lower Upper

85 100

87 29.6 15.3 45.8





#3

Chloromethane

Concen: 26.22 ug/l

RT: 1.08 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBS02

Tot Ion: 50 Resp: 27713

Ion Ratio Lower Upper

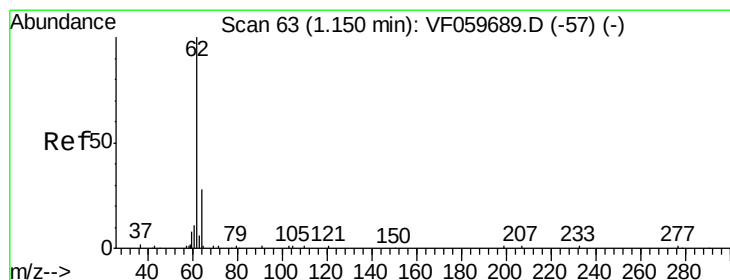
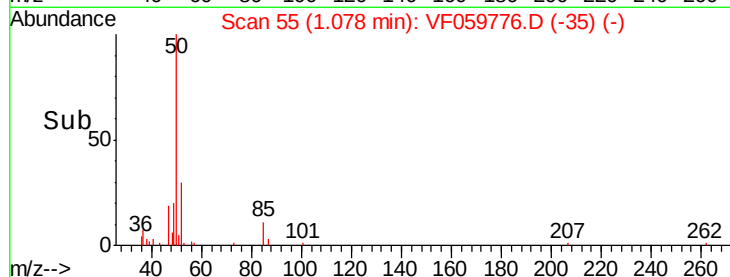
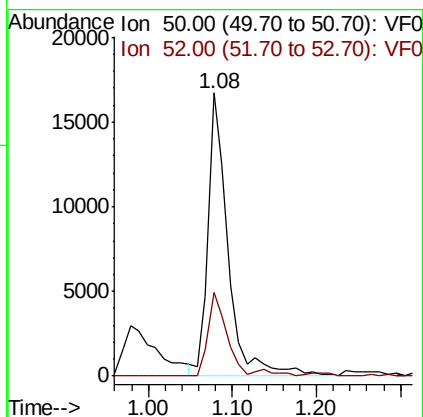
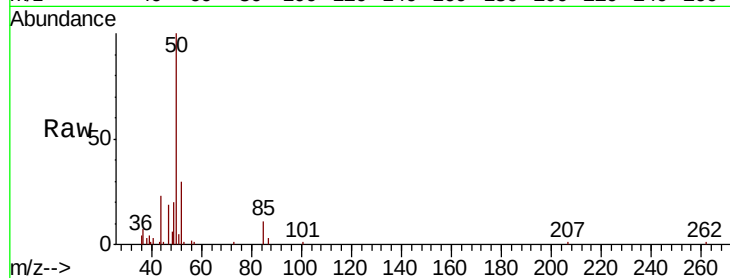
50 100

52 29.7 29.1 43.7

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#4

Vinyl Chloride

Concen: 23.40 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059776.D

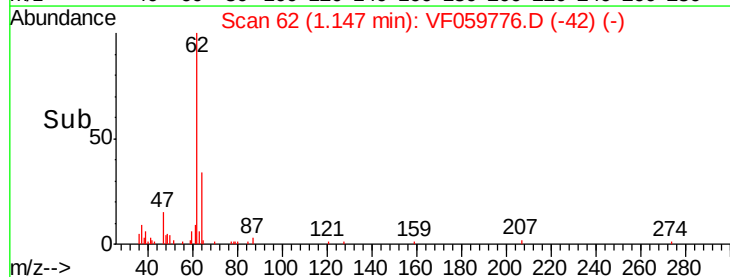
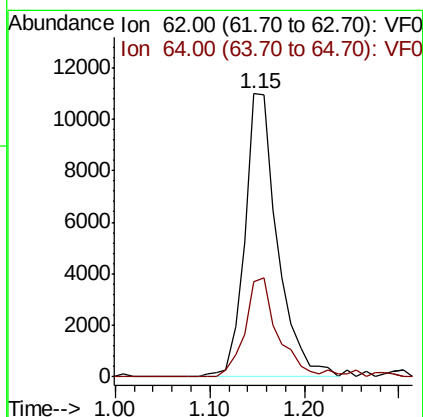
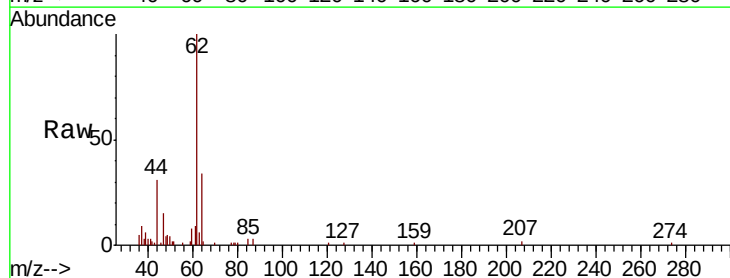
Acq: 2 Aug 2018 2:35

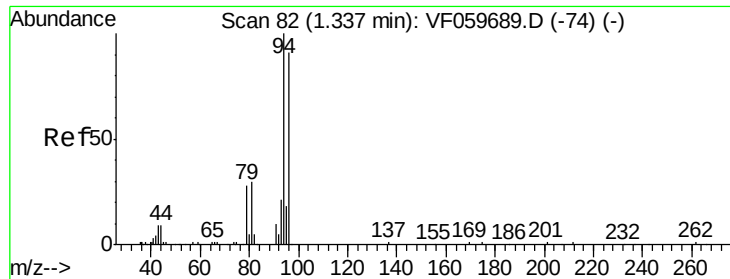
Tgt Ion: 62 Resp: 26258

Ion Ratio Lower Upper

62 100

64 33.7 22.6 33.8





#5

Bromomethane

Concen: 25.61 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBS02

Tot Ion: 94 Resp: 23516

Ion Ratio Lower Upper

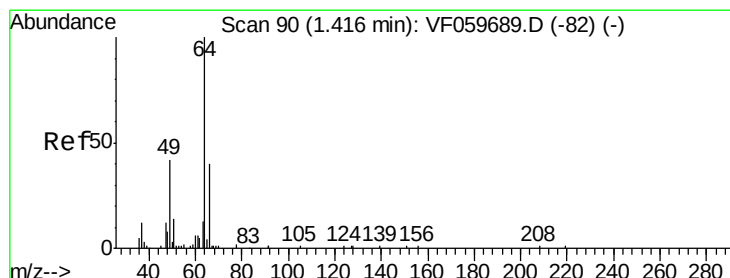
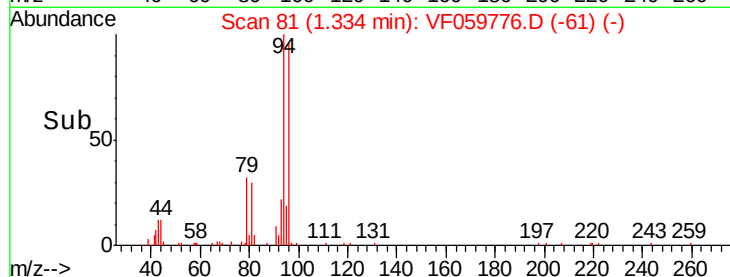
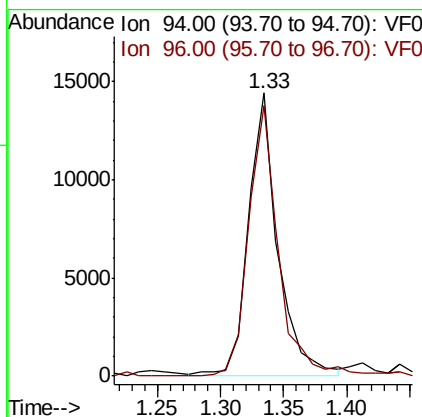
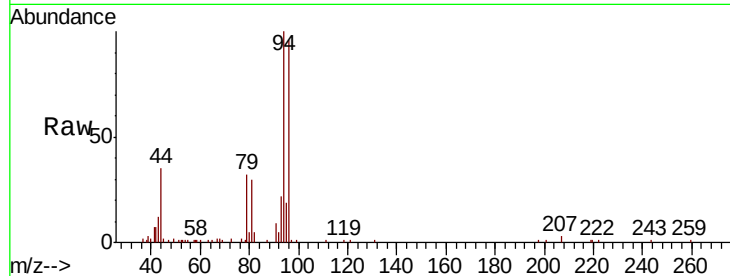
94 100

96 95.7 73.6 110.4

Manual Integrations
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#6

Chloroethane

Concen: 26.76 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.00 min

Lab File: VF059776.D

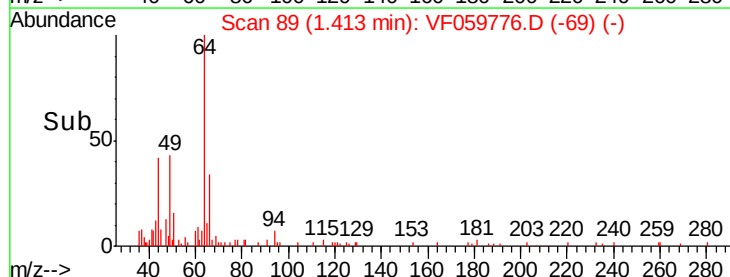
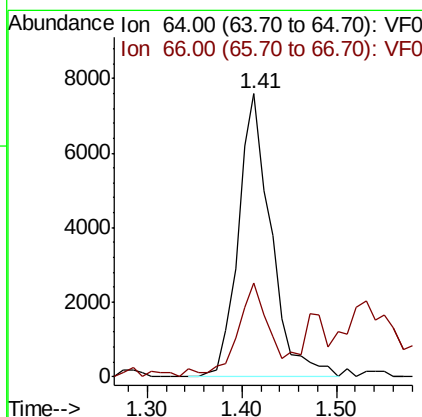
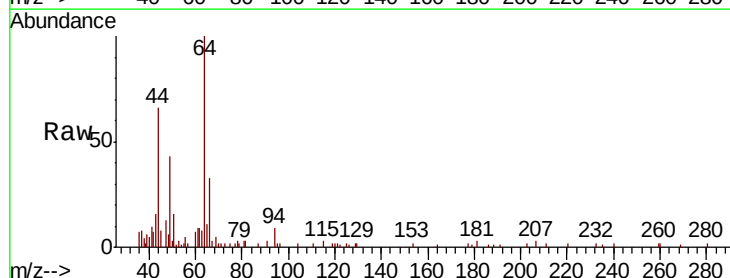
Acq: 2 Aug 2018 2:35

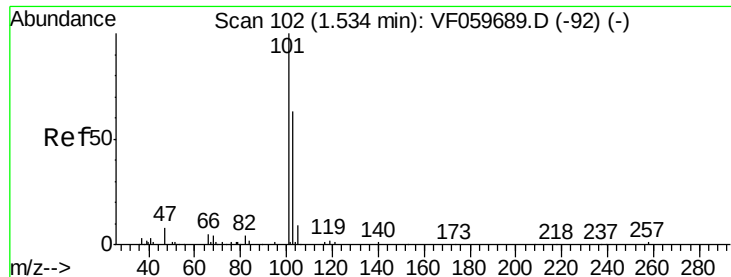
Tgt Ion: 64 Resp: 18132

Ion Ratio Lower Upper

64 100

66 33.2 32.6 49.0





#7

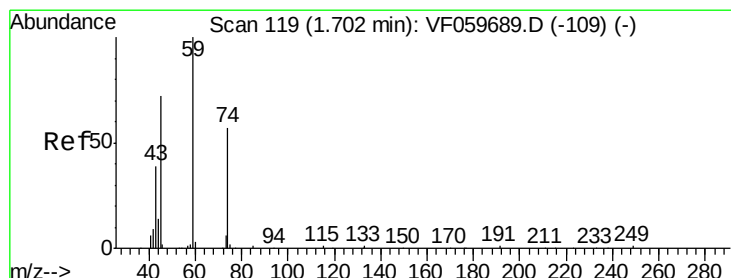
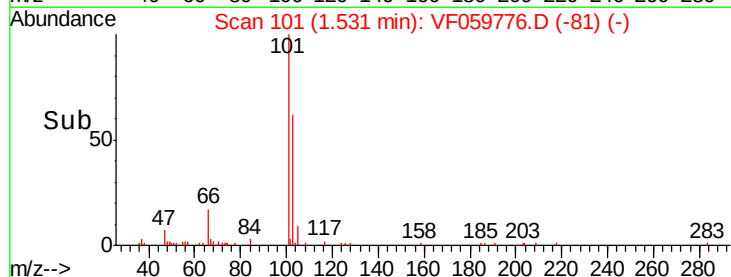
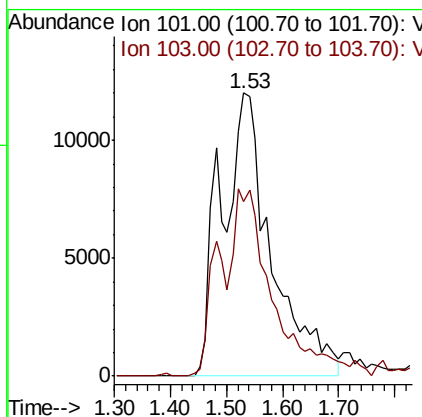
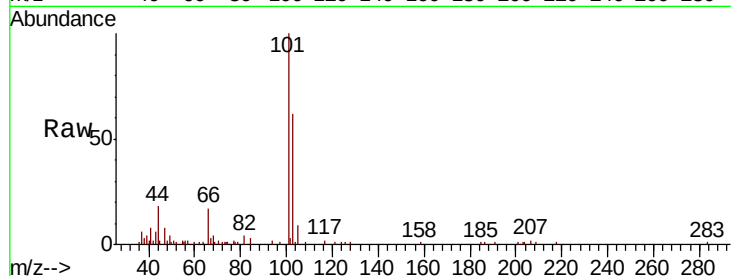
Trichlorofluoromethane
Concen: 23.73 ug/l m
RT: 1.53 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Instrument :
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ClientSampleId :
VF0801SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	50.8	76.2

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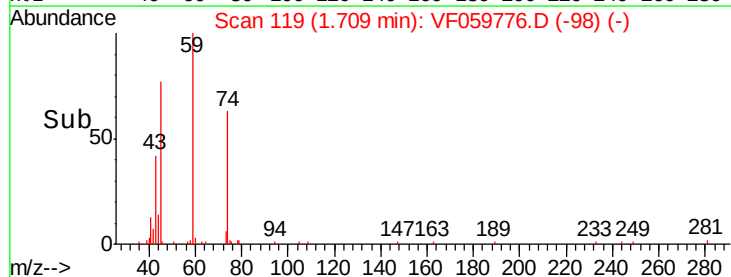
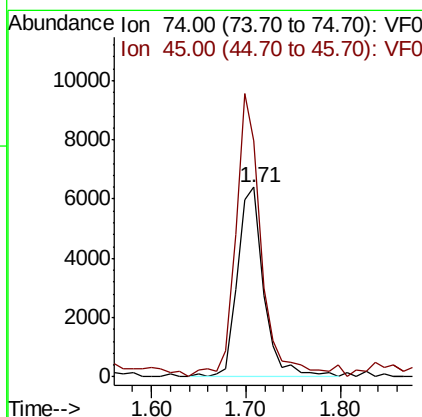
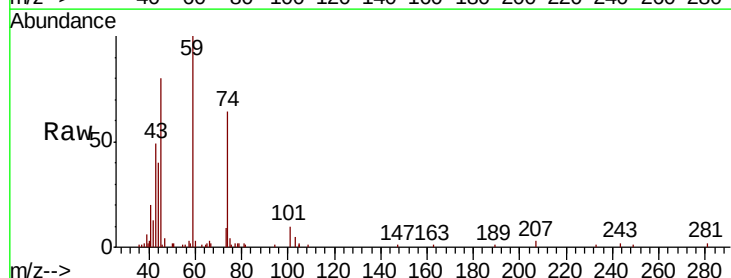
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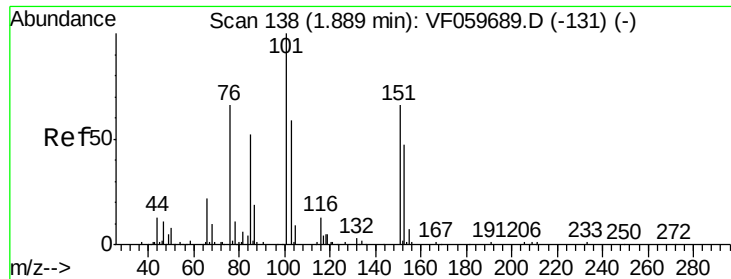


#8

Diethyl Ether
Concen: 23.19 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.01 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	125.0	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.34 ug/l

RT: 1.91 min Scan# 139

Delta R.T. 0.02 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Instrument :

MSVOA_F

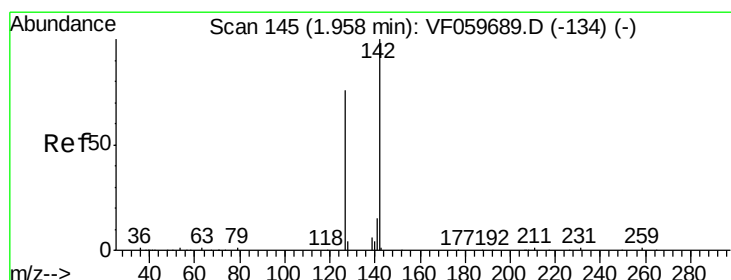
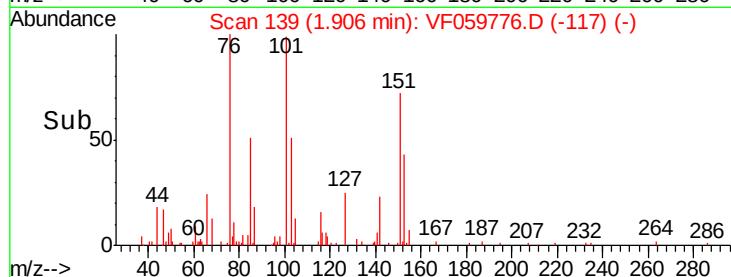
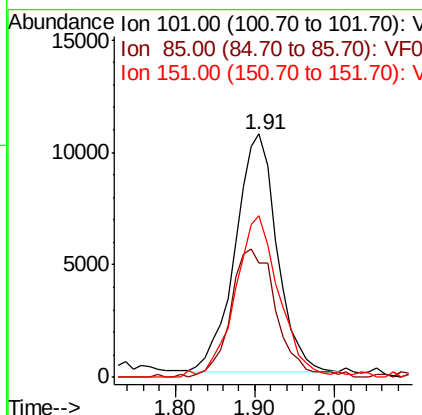
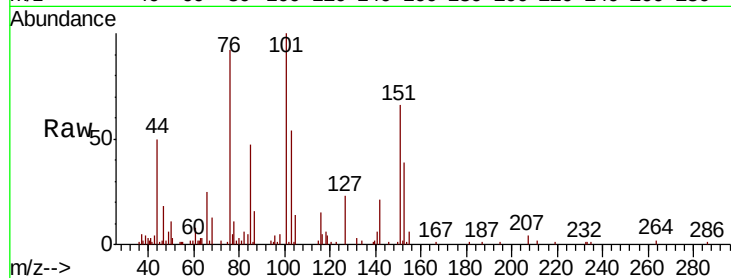
ClientSampleId :

VF0801SBS02

Tot Ion:	101	Resp:	38141
Ion Ratio	Lower	Upper	
101	100		
85	47.0	40.7	61.1
151	66.3	51.4	77.2

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#10

Methyl Iodide

Concen: 25.99 ug/l

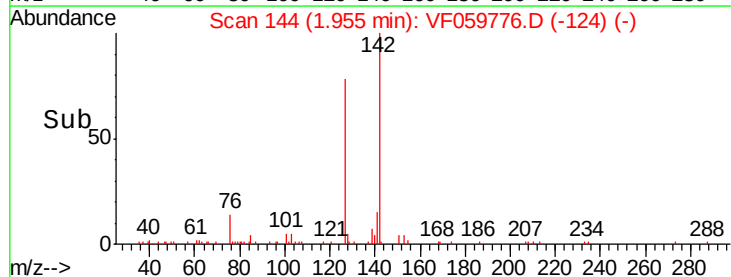
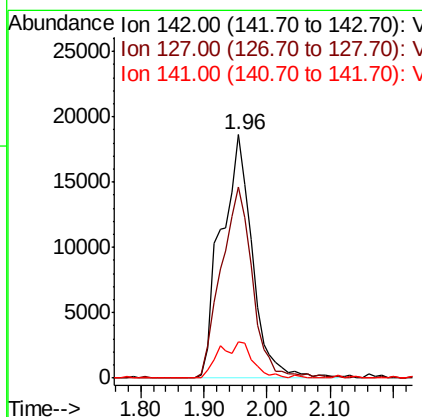
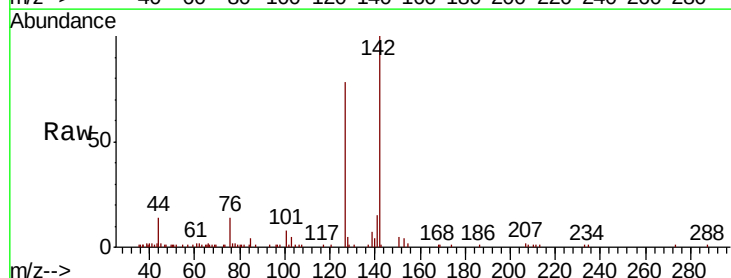
RT: 1.96 min Scan# 144

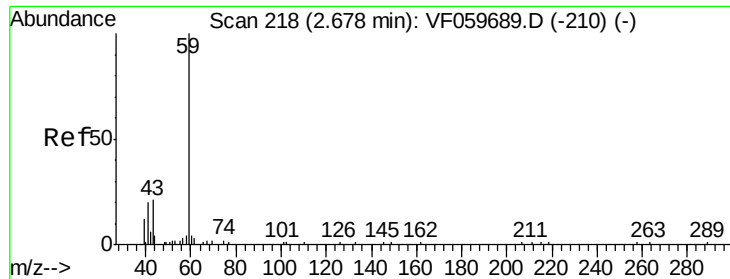
Delta R.T. -0.00 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Tgt Ion:	142	Resp:	63990
Ion Ratio	Lower	Upper	
142	100		
127	78.4	60.6	91.0
141	15.1	12.0	18.0





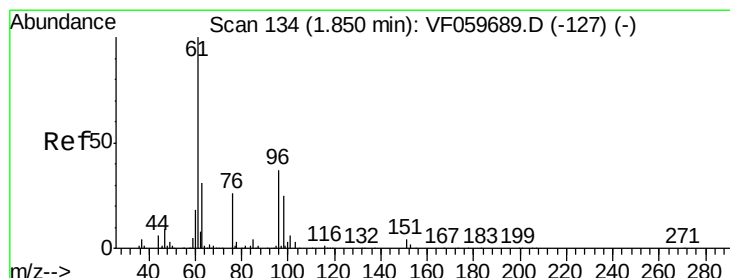
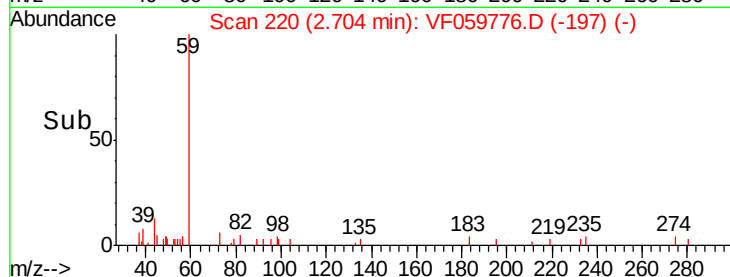
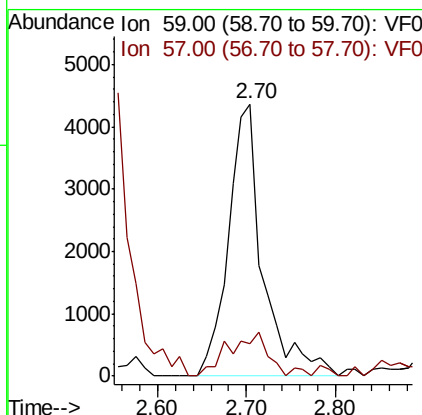
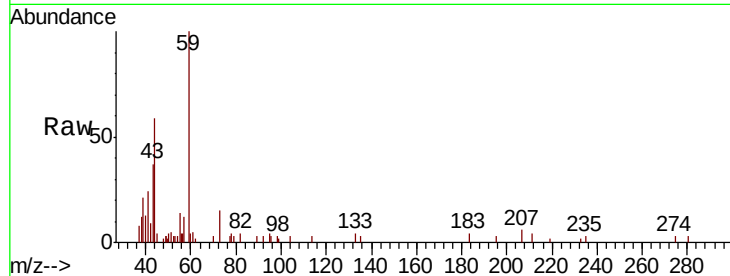
#11
Tert butyl alcohol
Concen: 96.62 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.03 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.8	7.6	11.4#

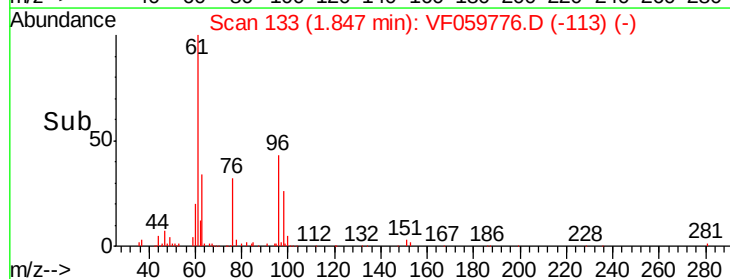
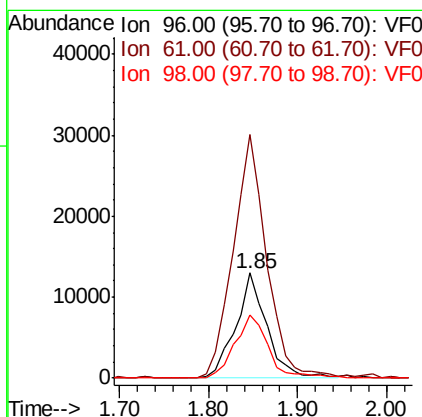
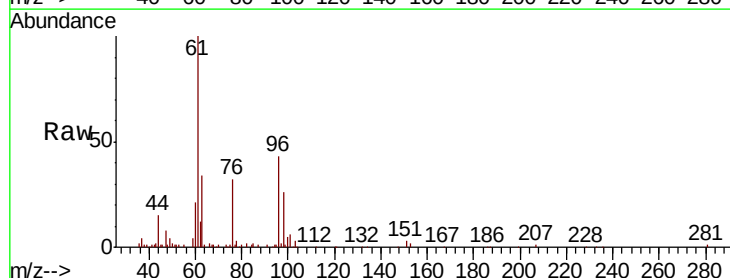
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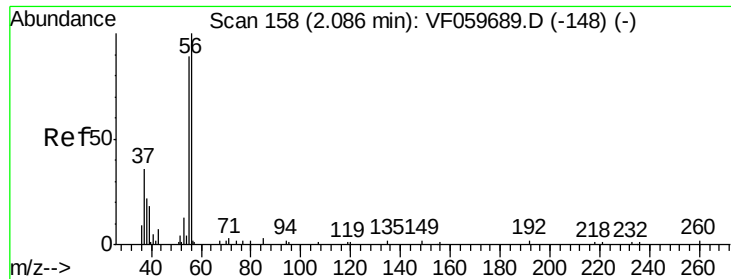
apatel
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#12
1,1-Dichloroethene
Concen: 24.22 ug/l
RT: 1.85 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	231.6	215.1	322.7
98	60.0	54.3	81.5





#13

Acrolein

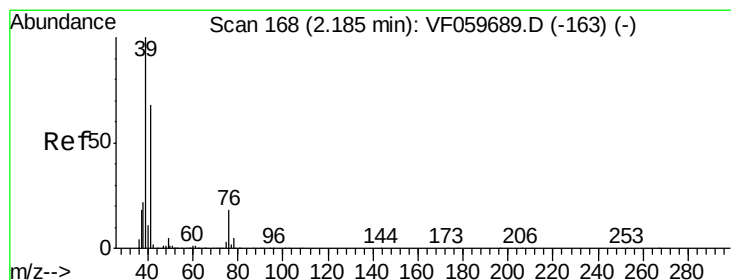
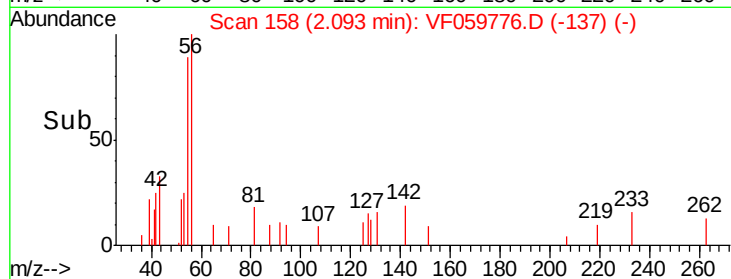
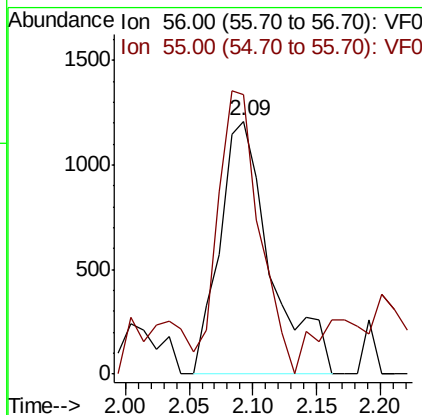
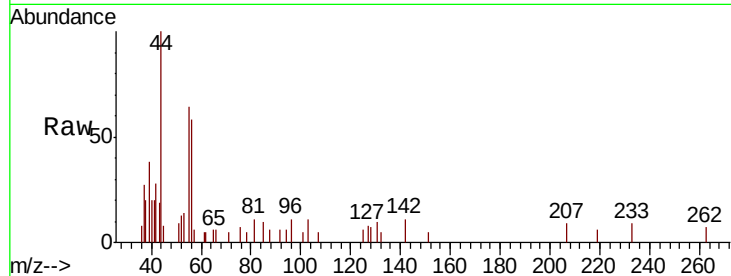
Concen: 66.18 ug/l m
RT: 2.09 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
55	110.6	73.2	109.8#

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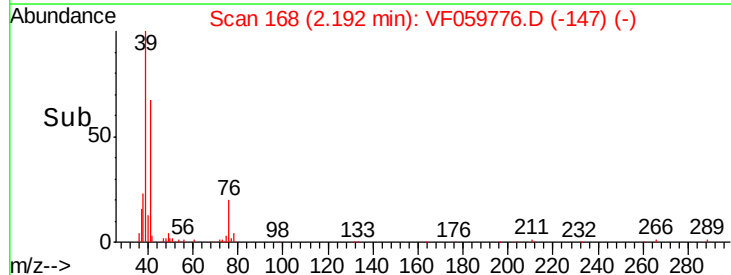
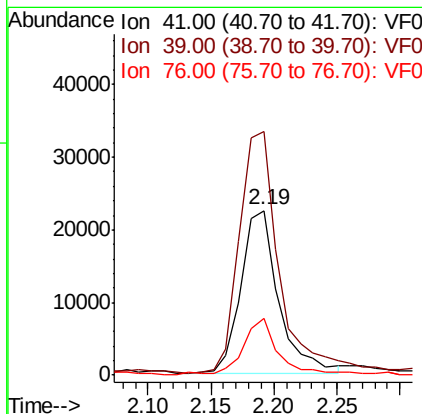
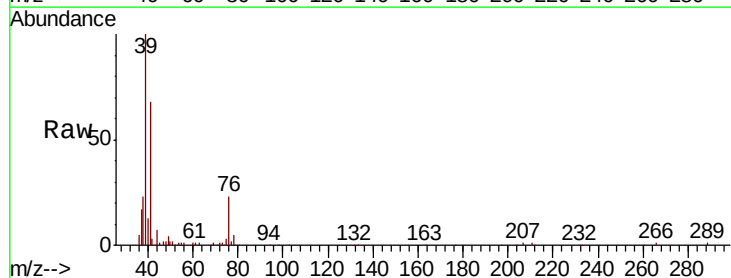


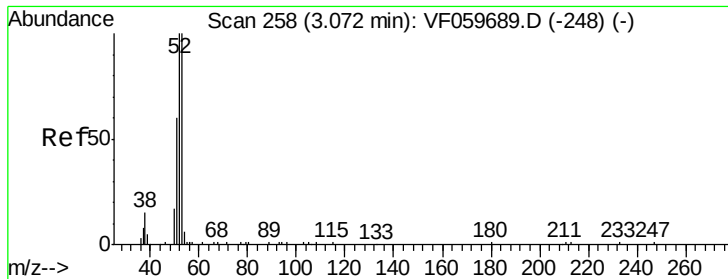
#14

Allyl chloride

Concen: 22.56 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.01 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Tgt Ion	Ratio	Lower	Upper
41	100		
39	148.1	118.1	177.1
76	34.2	22.0	33.0#





#15

Acrylonitrile

Concen: 124.45 ug/l

RT: 3.08 min Scan# 258

Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Instrument :

MSVOA_F

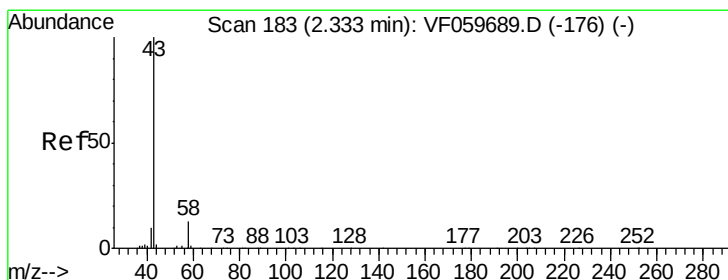
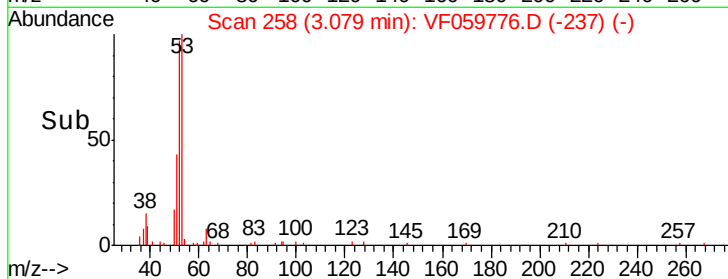
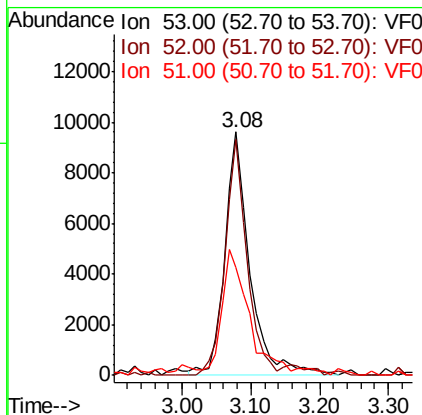
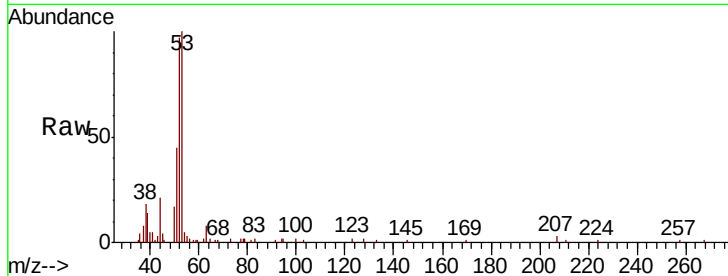
ClientSampleId :

VF0801SBS02

Tot Ion:	53	Resp:	24138
Ion Ratio	Lower	Upper	
53	100		
52	96.9	80.3	120.5
51	44.5	49.4	74.0#

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#16

Acetone

Concen: 90.07 ug/l

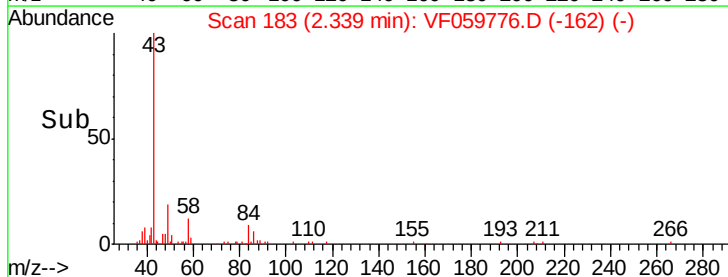
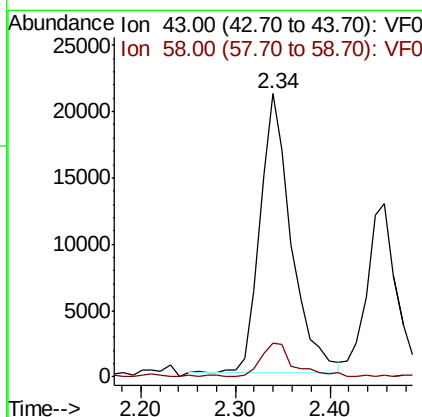
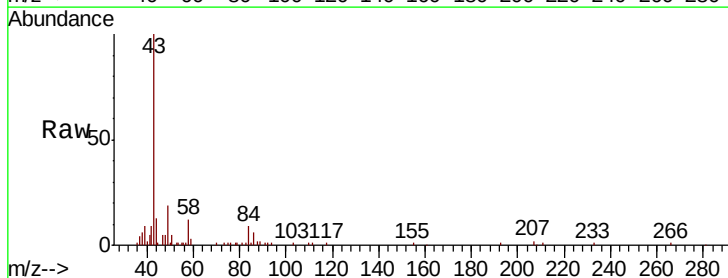
RT: 2.34 min Scan# 183

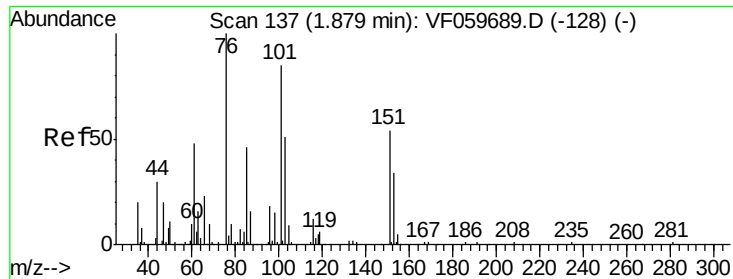
Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Tgt Ion:	43	Resp:	48645
Ion Ratio	Lower	Upper	
43	100		
58	11.9	10.1	15.1





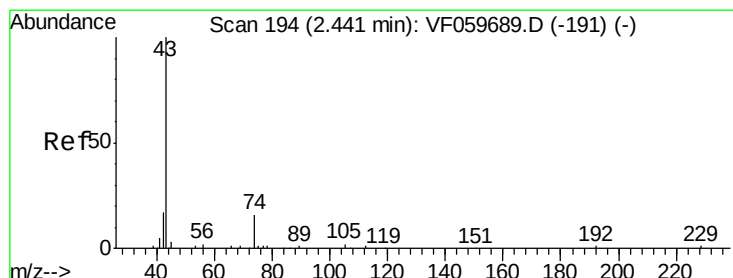
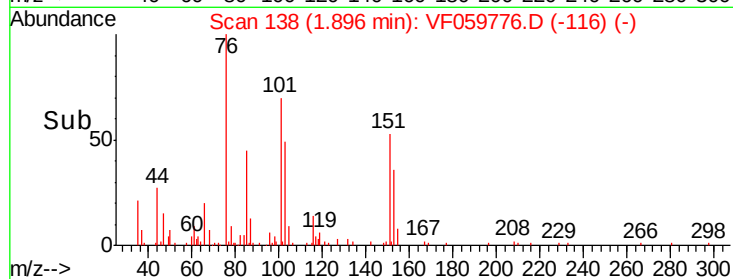
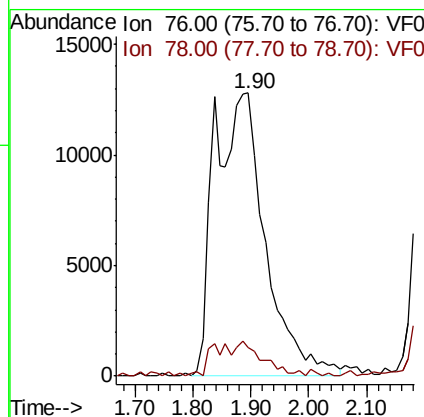
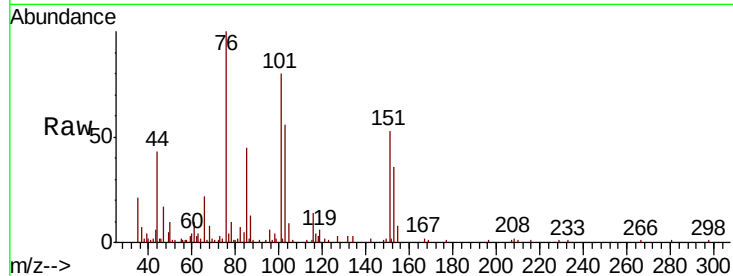
#17
Carbon Disulfide
Concen: 26.88 ug/l m
RT: 1.90 min Scan# 138
Delta R.T. 0.02 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.1	8.9	13.3

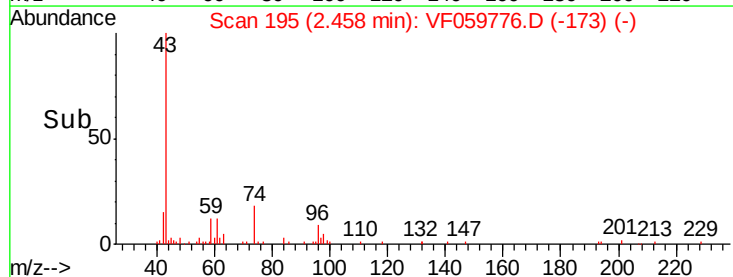
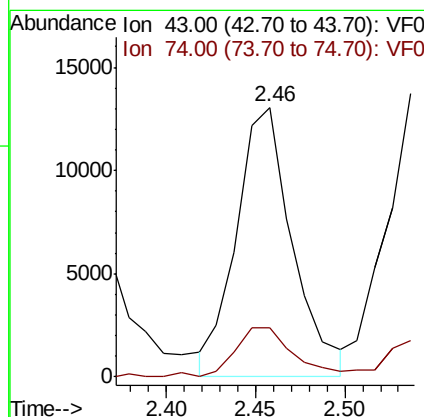
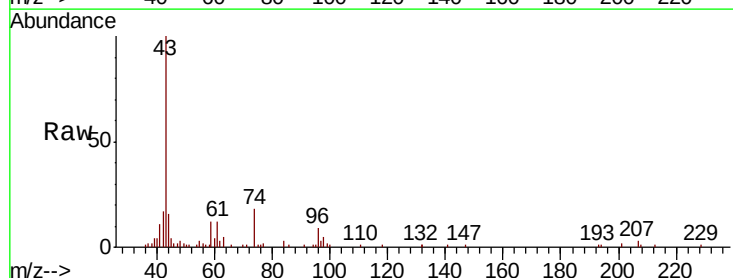
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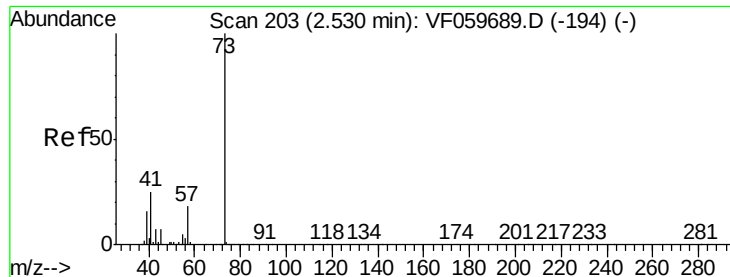
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#18
Methyl Acetate
Concen: 32.41 ug/l m
RT: 2.46 min Scan# 195
Delta R.T. 0.02 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.4	11.8	17.6#





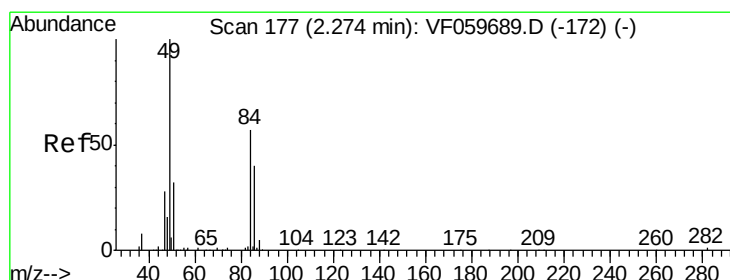
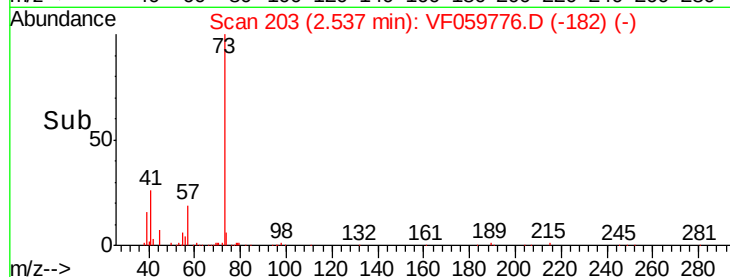
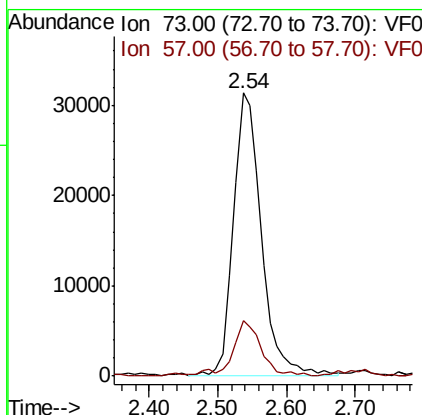
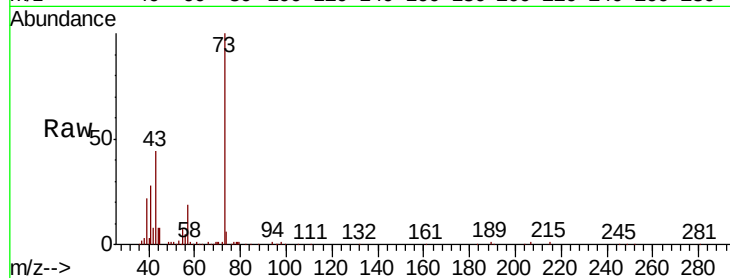
#19
Methyl tert-butyl Ether
Concen: 22.44 ug/l
RT: 2.54 min Scan# 203
Delta R.T. 0.01 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.5	14.2	21.2

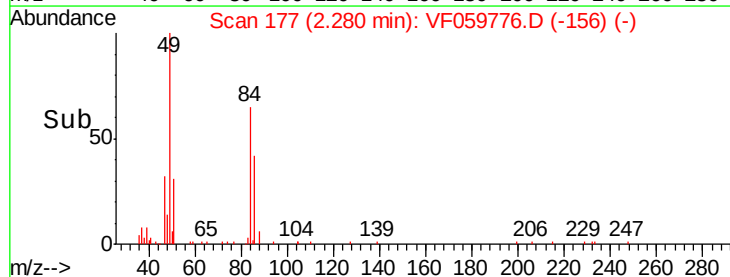
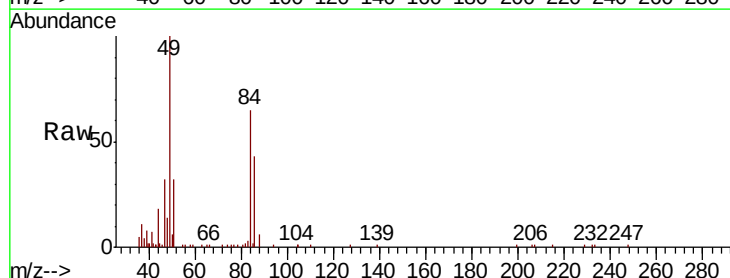
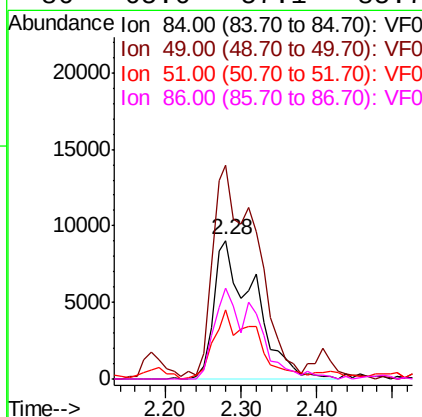
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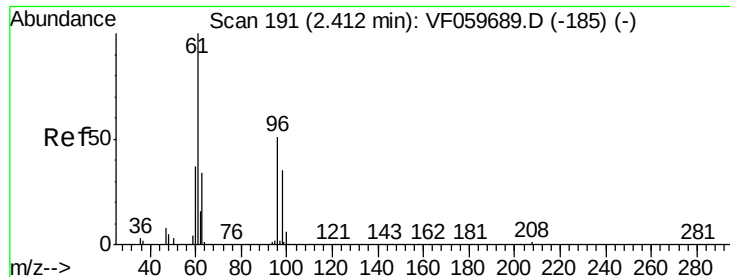
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#20
Methylene Chloride
Concen: 24.88 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.0	142.2	213.4
51	49.6	46.2	69.2
86	65.6	57.1	85.7





#21

trans-1,2-Dichloroethene

Concen: 24.58 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Instrument :

MSVOA_F

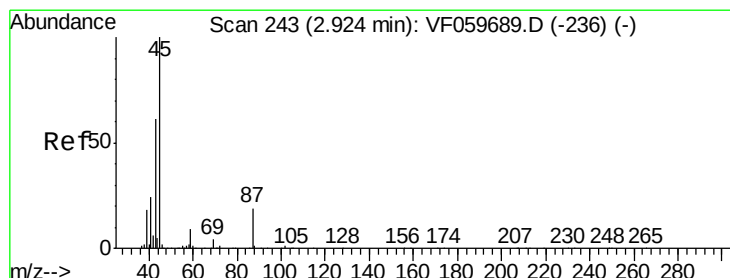
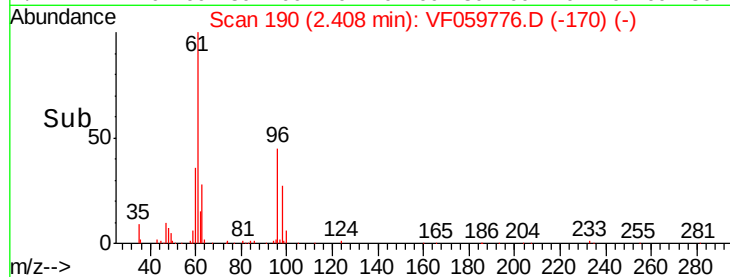
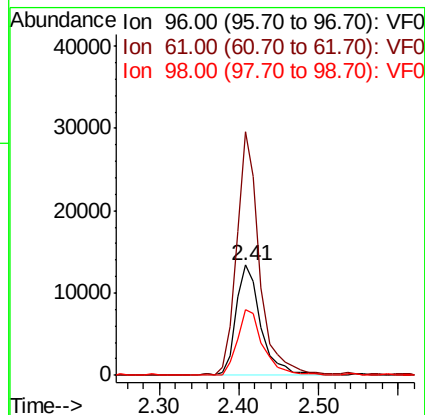
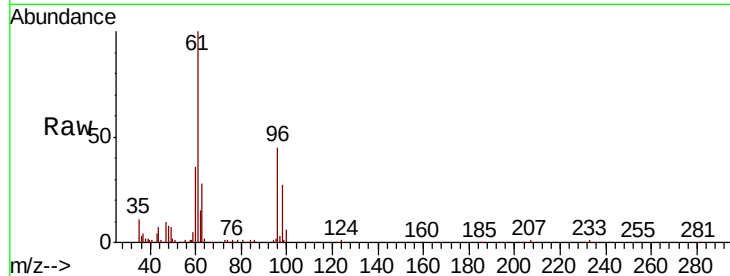
ClientSampleId :

VF0801SBS02

Tot Ion:	96	Resp:	29306
Ion Ratio	Lower	Upper	
96	100		
61	221.0	157.4	236.0
98	60.2	55.0	82.4

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#22

Diisopropyl ether

Concen: 22.82 ug/l

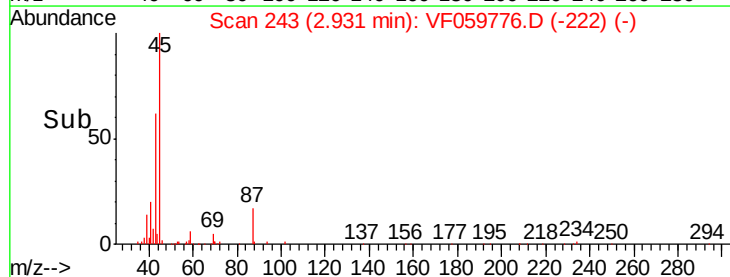
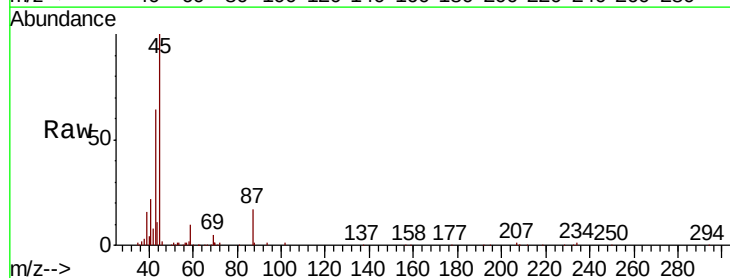
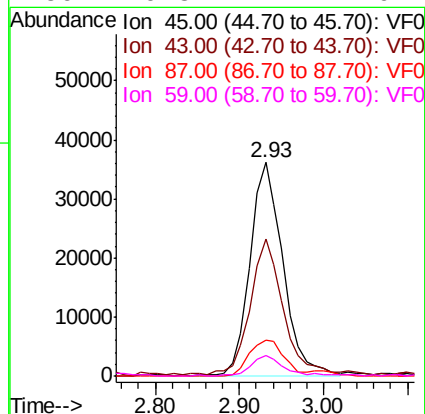
RT: 2.93 min Scan# 243

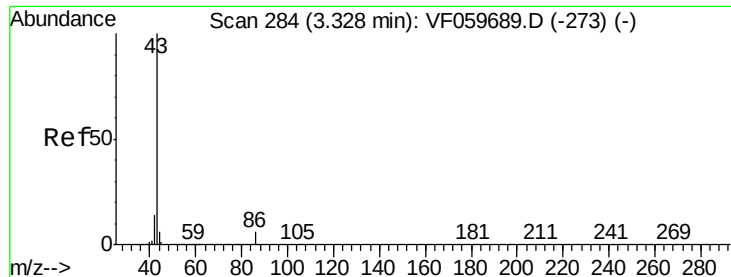
Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Tgt Ion:	45	Resp:	99673
Ion Ratio	Lower	Upper	
45	100		
43	64.2	49.3	73.9
87	17.0	15.3	22.9
59	9.8	7.1	10.7





#23

Vinyl Acetate

Concen: 100.73 ug/l

RT: 3.34 min Scan# 284

Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Instrument :

MSVOA_F

ClientSampleID :

VF0801SBS02

Tot Ion: 43 Resp: 226233

Ion Ratio Lower Upper

43 100

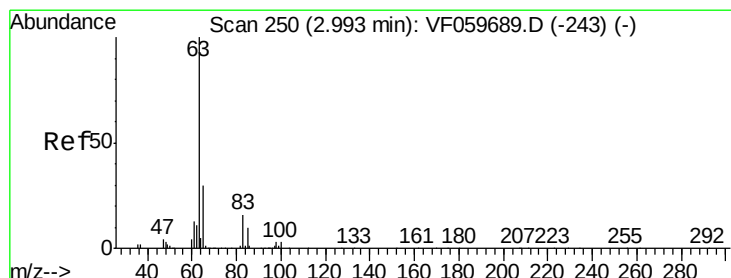
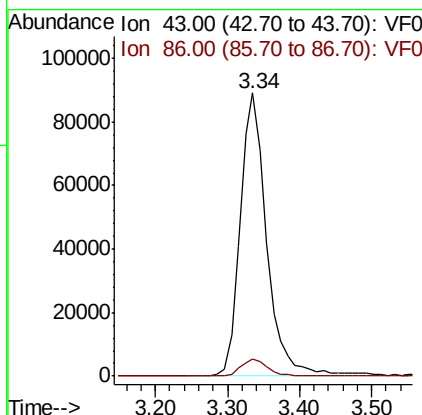
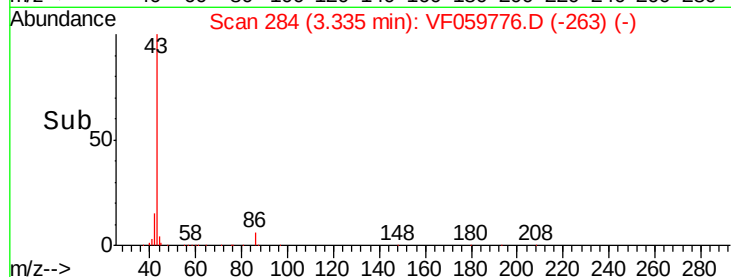
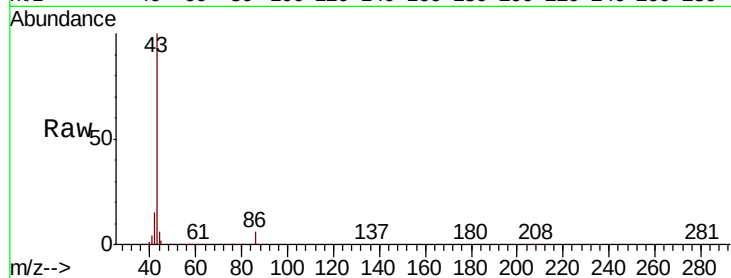
86 6.3 4.6 6.8

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#24

1,1-Dichloroethane

Concen: 23.54 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

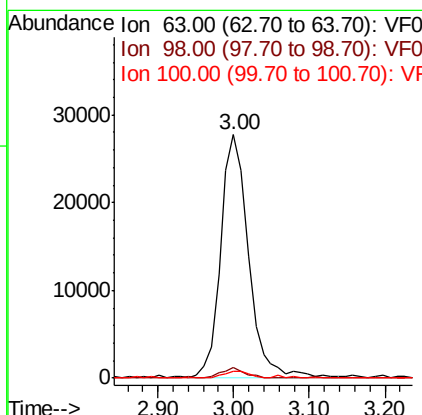
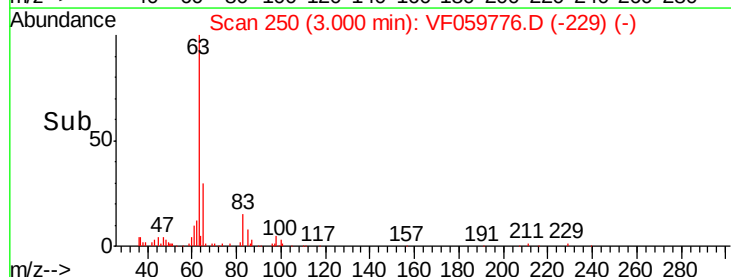
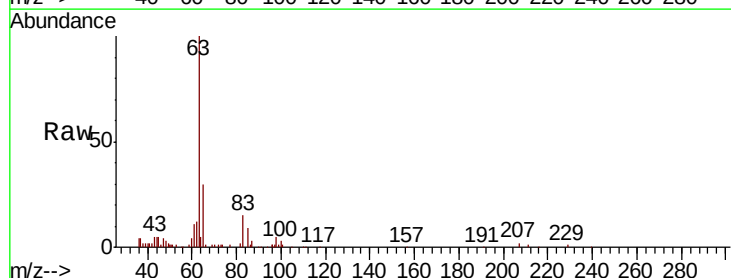
Tgt Ion: 63 Resp: 71430

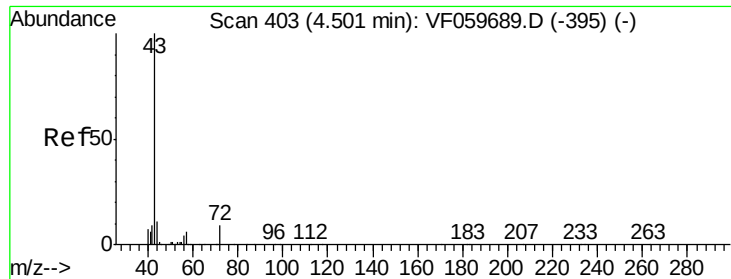
Ion Ratio Lower Upper

63 100

98 4.6 1.4 4.2#

100 2.9 1.6 4.7





#25

2-Butanone

Concen: 100.27 ug/l

RT: 4.52 min Scan# 404

Delta R.T. 0.02 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBS02

Tot Ion: 43 Resp: 60437

Ion Ratio Lower Upper

43 100

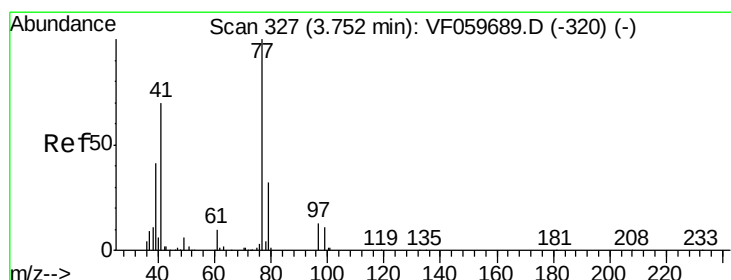
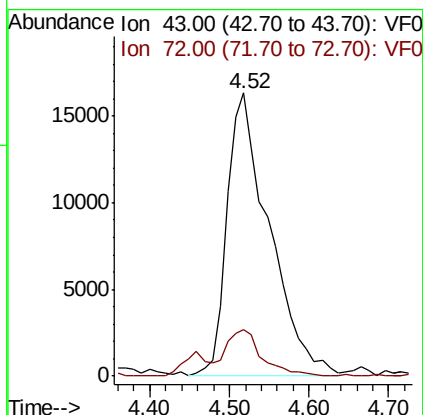
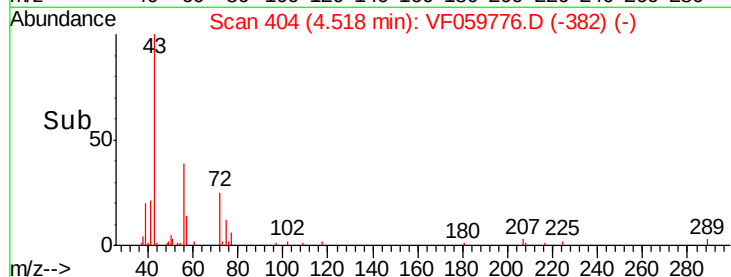
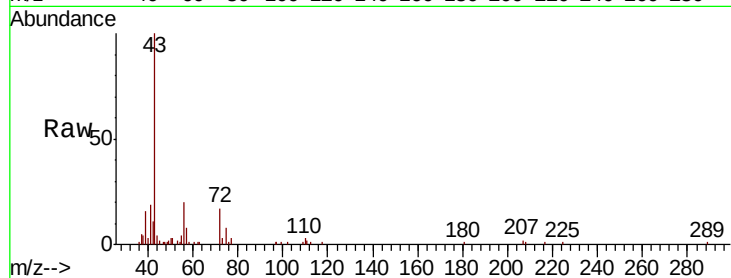
72 16.6 7.7 11.5#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.18 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF059776.D

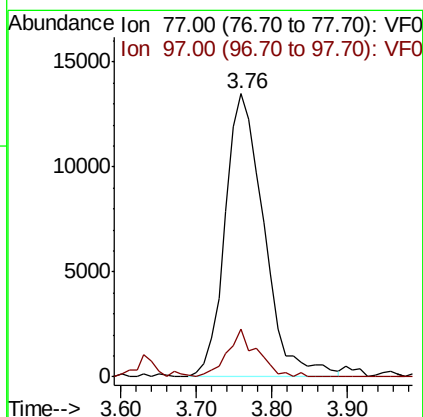
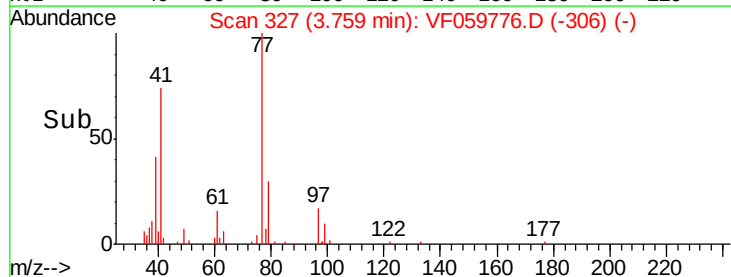
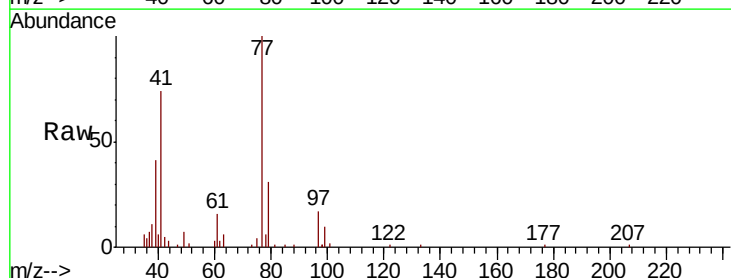
Acq: 2 Aug 2018 2:35

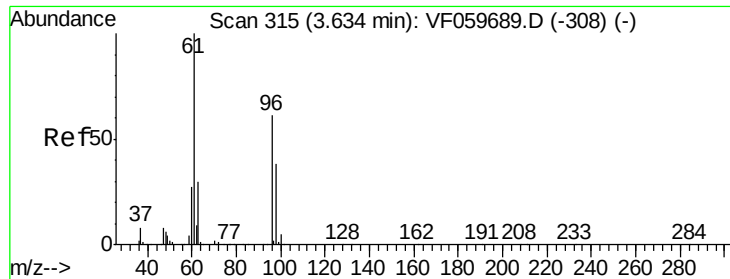
Tgt Ion: 77 Resp: 47976

Ion Ratio Lower Upper

77 100

97 16.9 6.8 20.4





#27

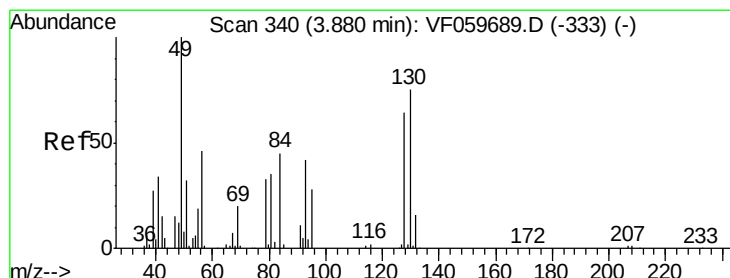
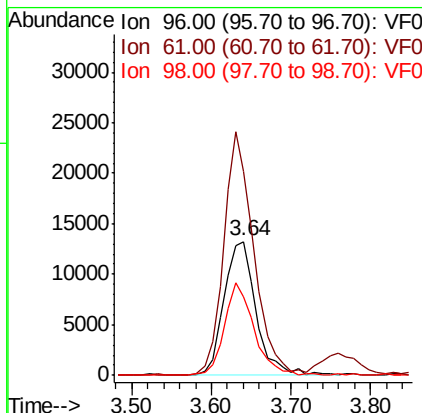
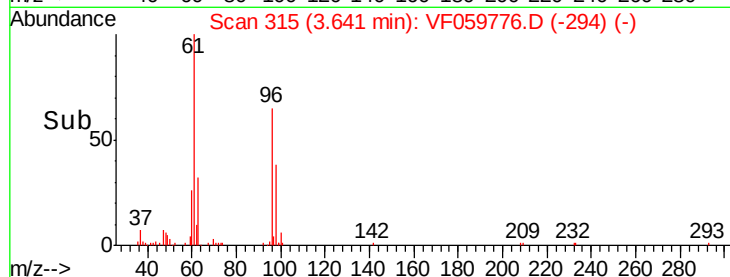
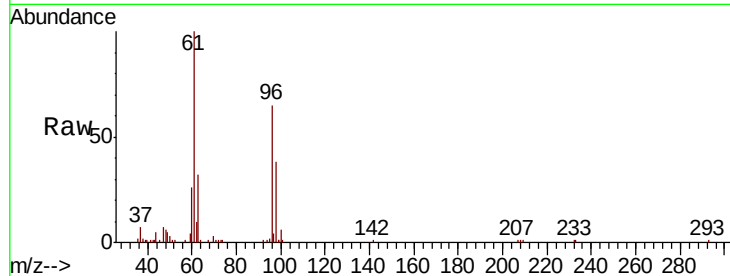
cis-1,2-Dichloroethene
Concen: 22.98 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.01 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.0	0.0	326.8
98	58.3	0.0	125.2

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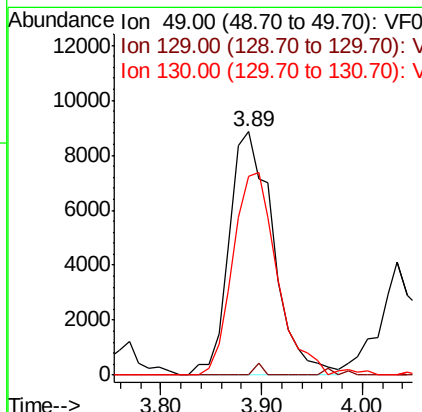
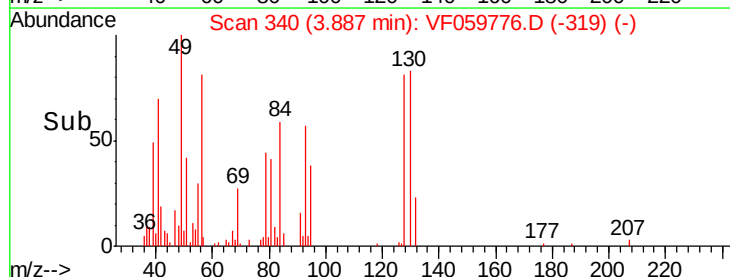
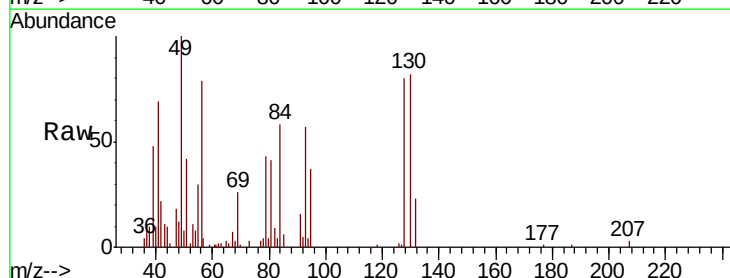
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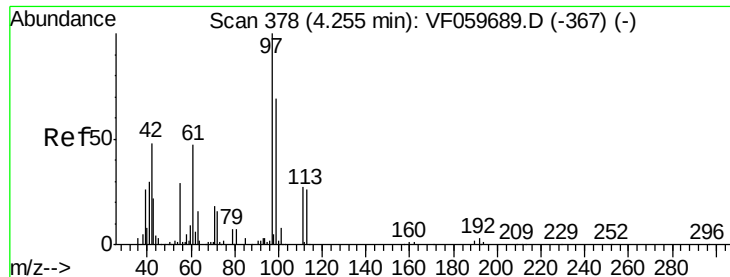


#28

Bromochloromethane
Concen: 23.14 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.01 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	81.8	59.6	89.4





#29

Tetrahydrofuran

Concen: 105.30 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Instrument :

MSVOA_F

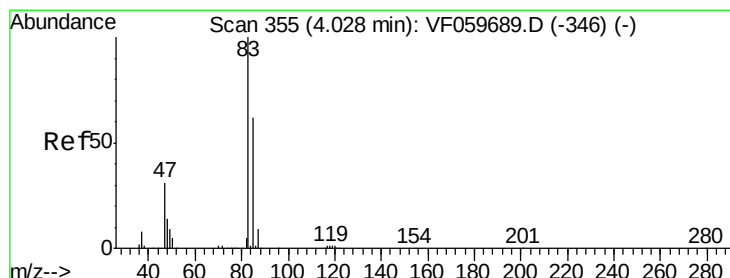
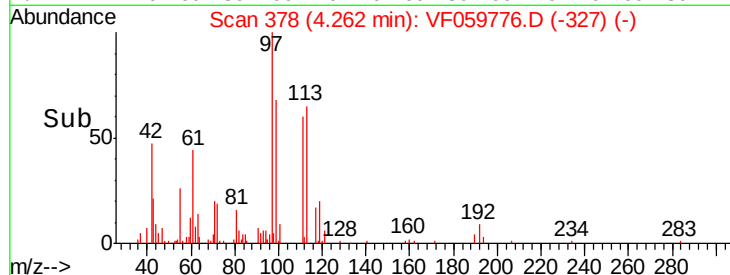
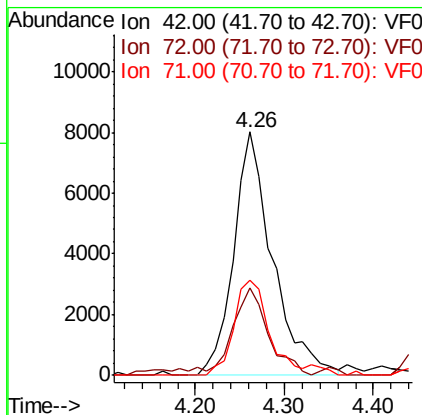
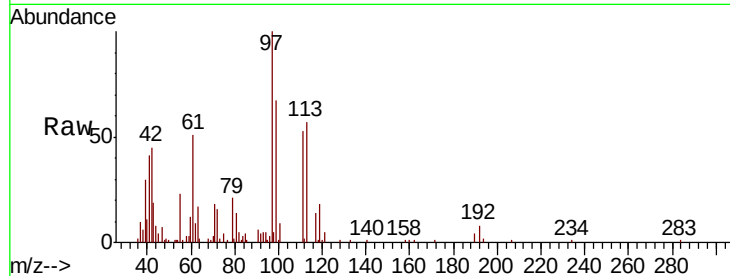
ClientSampleId :

VF0801SBS02

Tot Ion:	42	Resp:	24393
Ion Ratio		Lower	Upper
42	100		
72	33.4	27.0	40.6
71	35.0	29.7	44.5

Manual Integrations
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#30

Chloroform

Concen: 23.49 ug/l

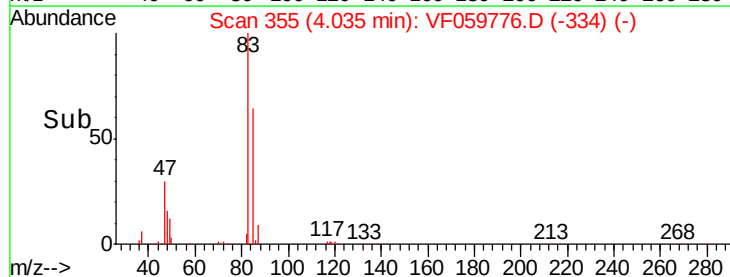
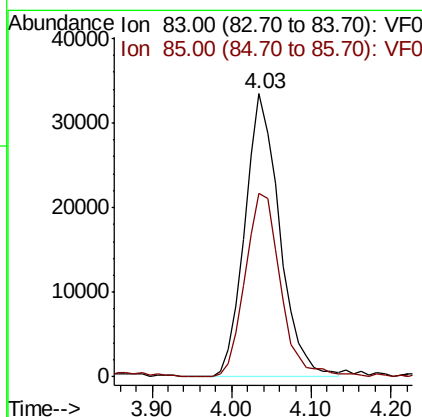
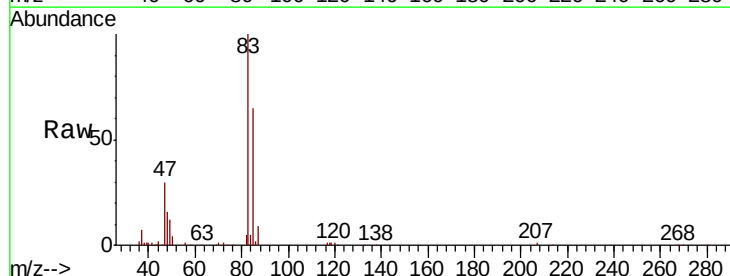
RT: 4.03 min Scan# 355

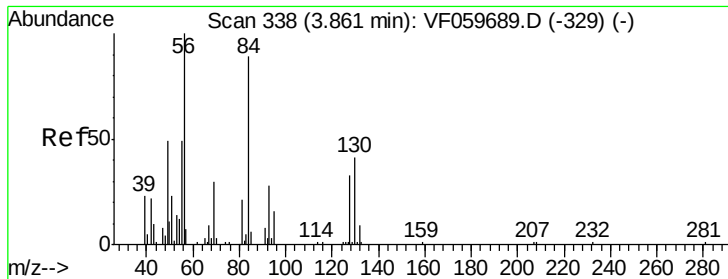
Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Tgt Ion:	83	Resp:	100636
Ion Ratio		Lower	Upper
83	100		
85	64.9	49.4	74.0





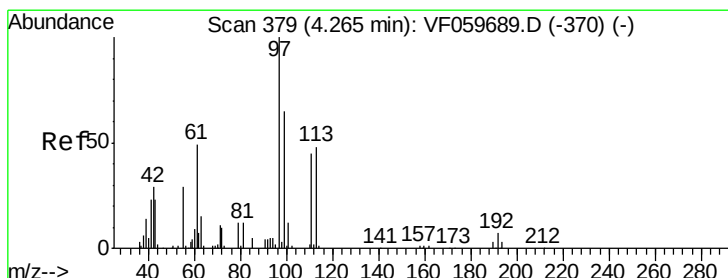
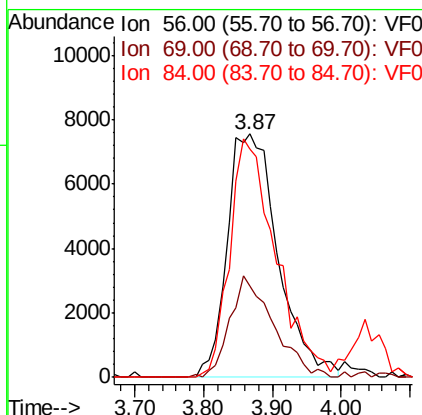
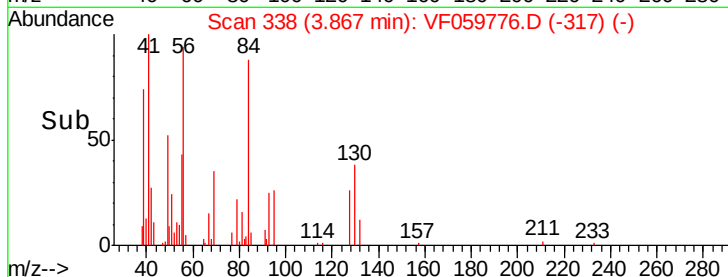
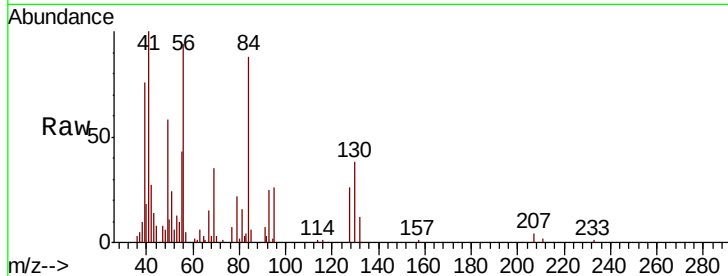
#31
Cyclohexane
Concen: 24.10 ug/l
RT: 3.87 min Scan# 338
Delta R.T. 0.01 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.5	23.7	35.5#
84	93.8	71.1	106.7

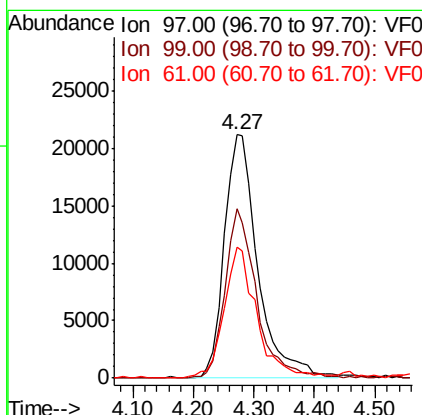
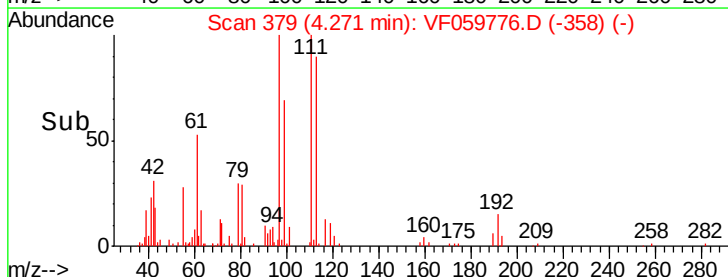
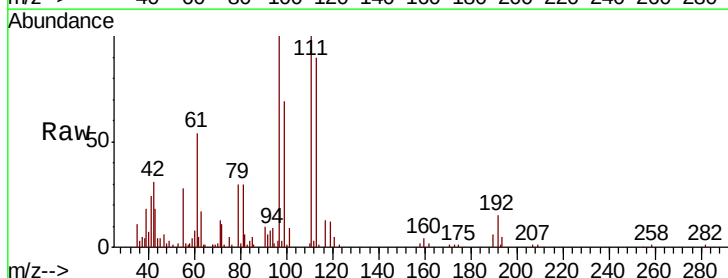
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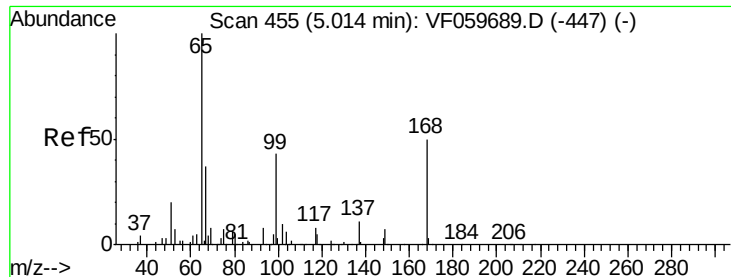
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#32
1,1,1-Trichloroethane
Concen: 24.55 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.01 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	69.6	52.4	78.6
61	53.9	39.7	59.5





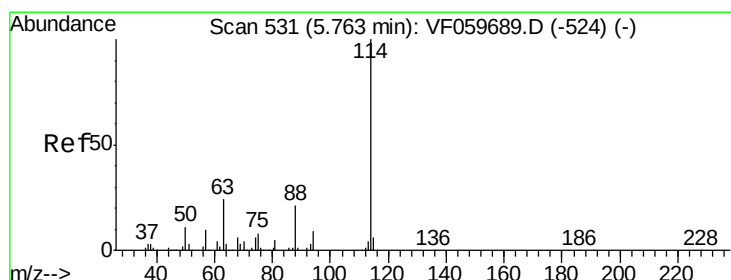
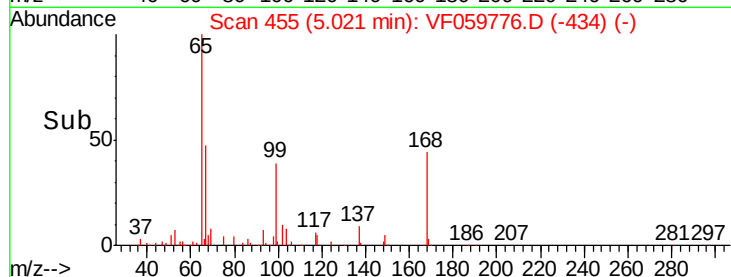
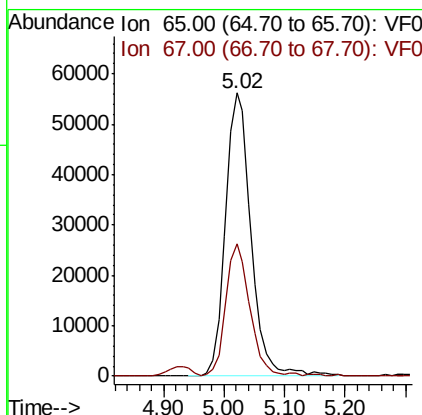
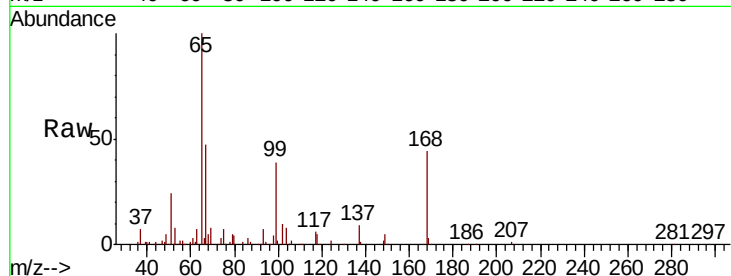
#33
 1,2-Dichloroethane-d4
 Concen: 54.70 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.01 min
 Lab File: VF059776.D
 Acq: 2 Aug 2018 2:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	164244		
67	46.6	0.0	84.6	

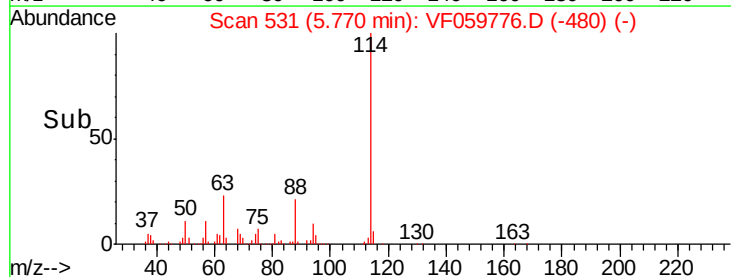
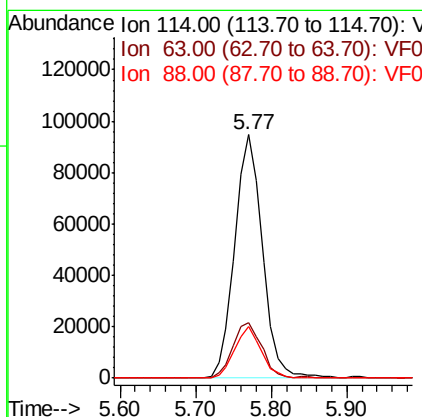
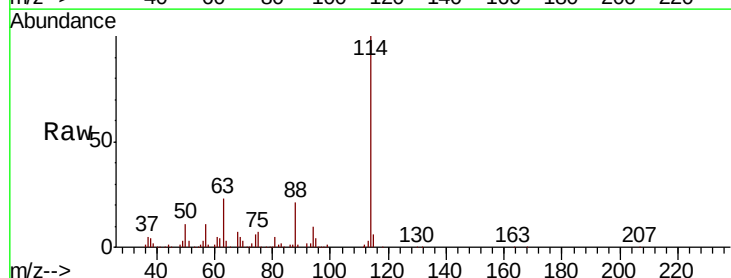
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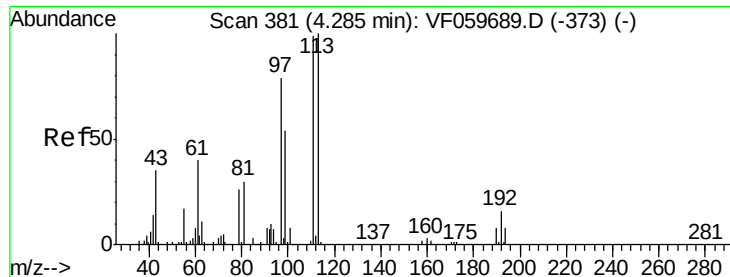
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VF059776.D
 Acq: 2 Aug 2018 2:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	239850		
63	22.8	0.0	47.4	
88	21.1	0.0	41.2	





#35

Dibromofluoromethane

Concen: 52.09 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Instrument :

MSVOA_F

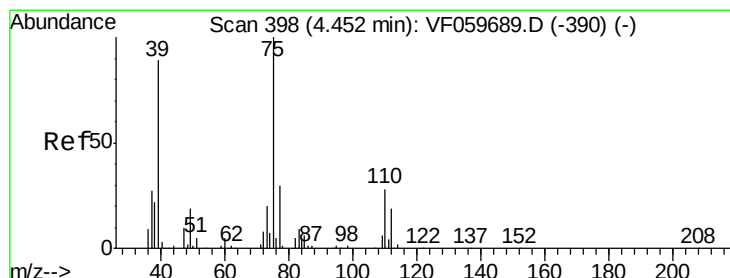
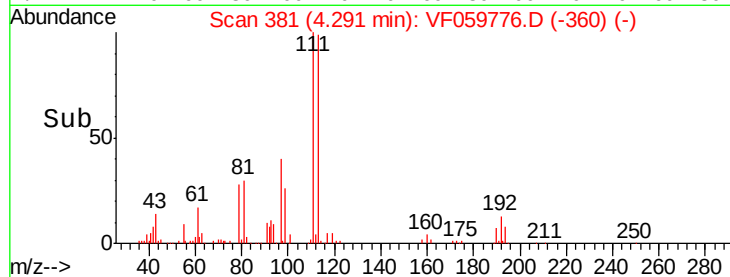
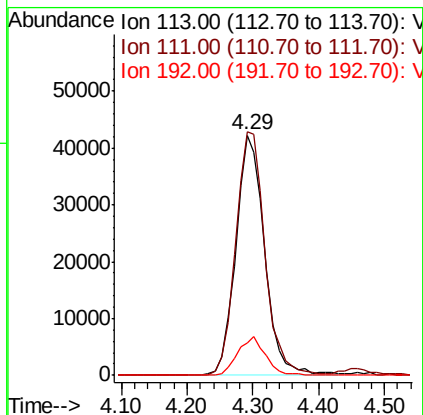
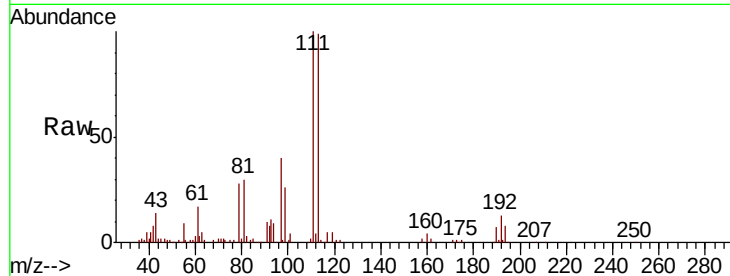
ClientSampleId :

VF0801SBS02

Tot Ion:	113	Resp:	129774
Ion Ratio	Lower	Upper	
113	100		
111	101.3	79.0	118.4
192	13.4	13.2	19.8

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#36

1,1-Dichloropropene

Concen: 21.59 ug/l

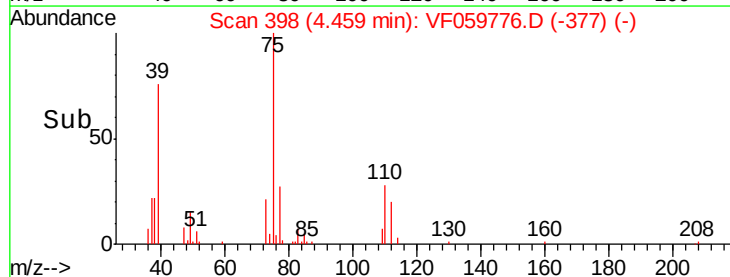
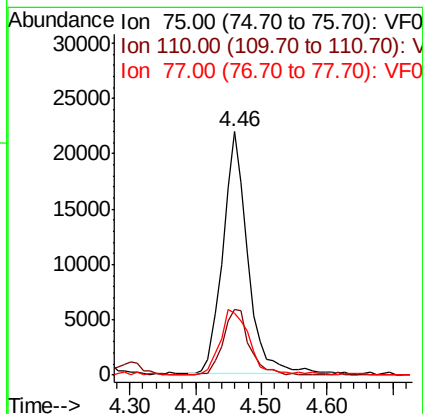
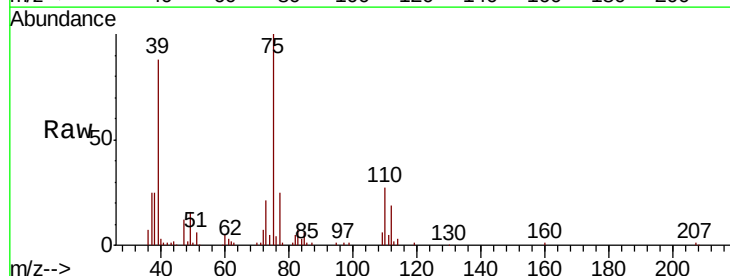
RT: 4.46 min Scan# 398

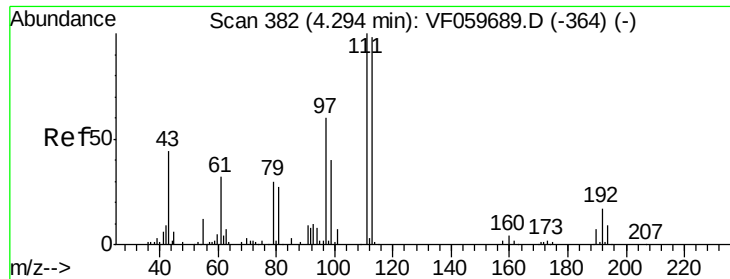
Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Tgt Ion:	75	Resp:	57876
Ion Ratio	Lower	Upper	
75	100		
110	26.8	14.0	41.9
77	25.4	24.2	36.2





#37

Ethyl Acetate

Concen: 20.52 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Instrument :

MSVOA_F

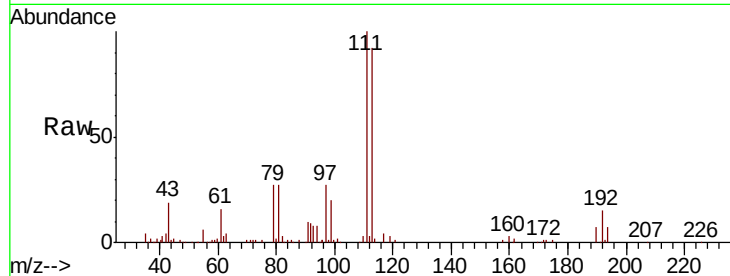
ClientSampleId :

VF0801SBS02

Tot Ion:	43	Resp:	27831
Ion Ratio	Lower	Upper	
43	100		
61	86.5	58.2	87.2
70	6.7	6.0	9.0

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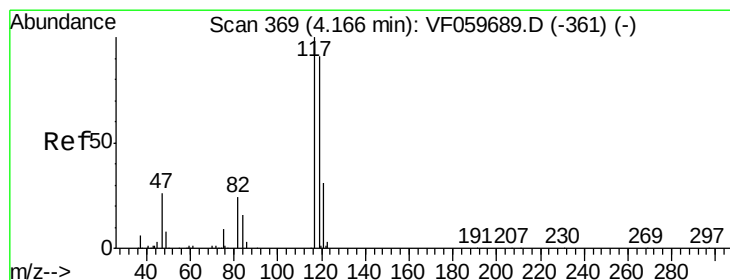
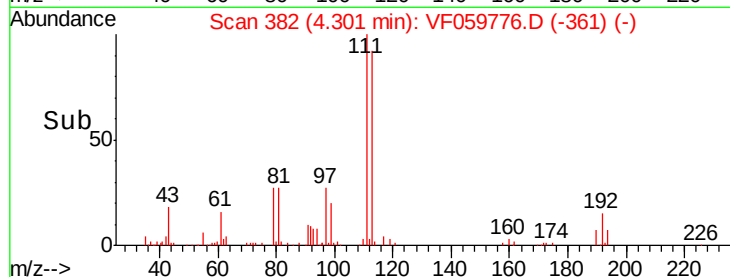
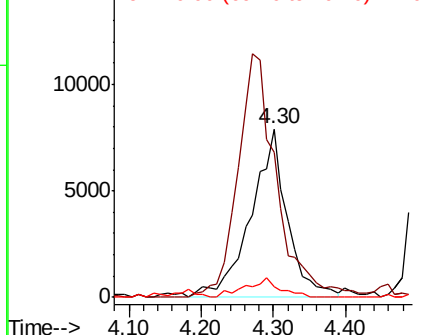


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 22.23 ug/l m

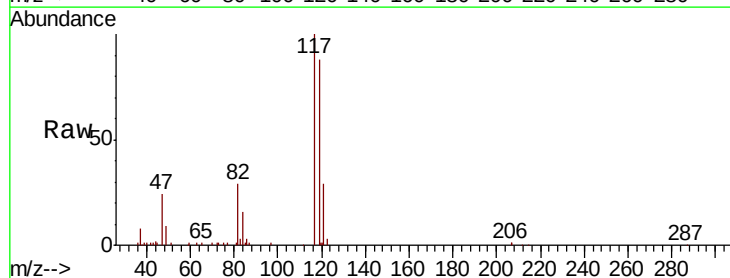
RT: 4.16 min Scan# 368

Delta R.T. -0.00 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Tgt Ion:	117	Resp:	84773
Ion Ratio	Lower	Upper	
117	100		
119	88.0	72.9	109.3
121	29.0	25.0	37.4

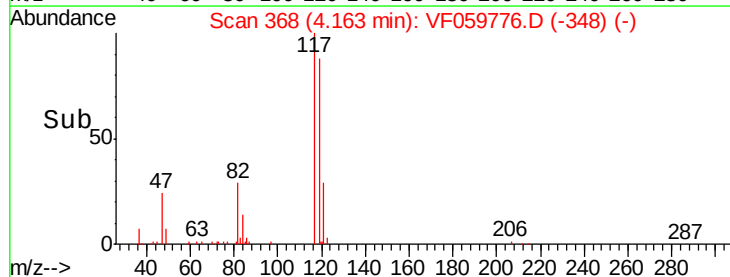
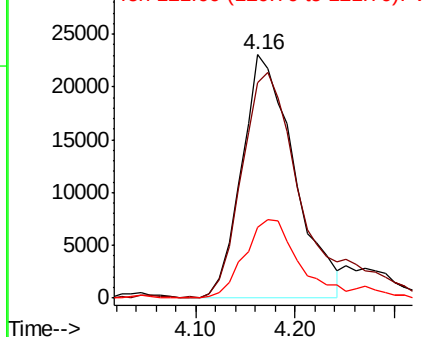


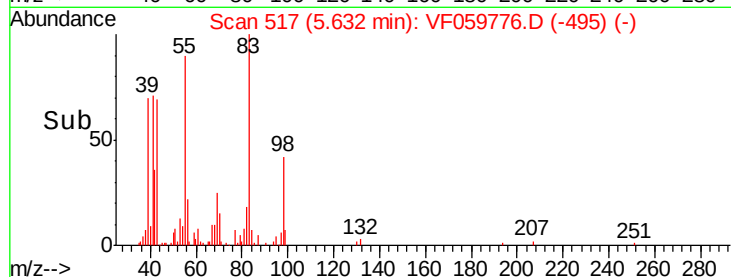
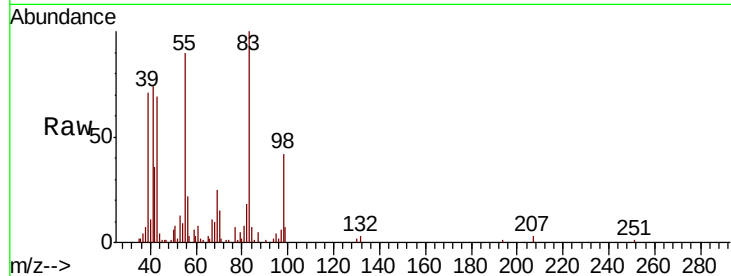
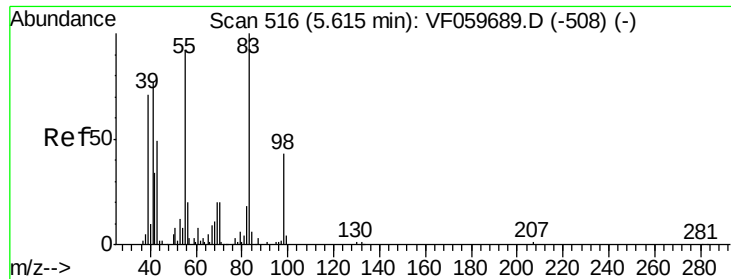
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#39

Methylcyclohexane

Concen: 23.56 ug/l

RT: 5.63 min Scan# 517

Delta R.T. 0.02 min

Lab File: VF059776.D

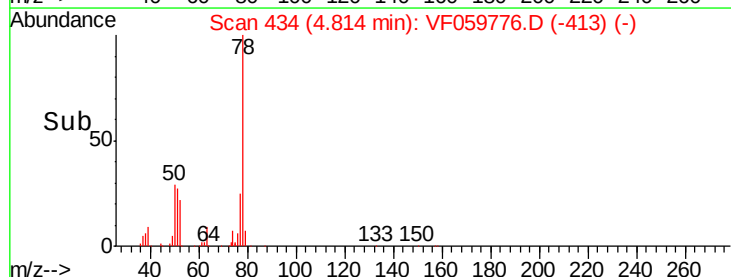
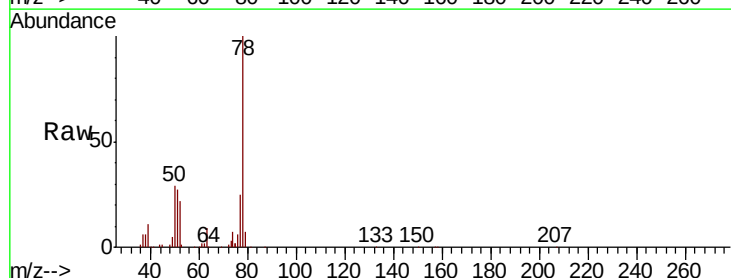
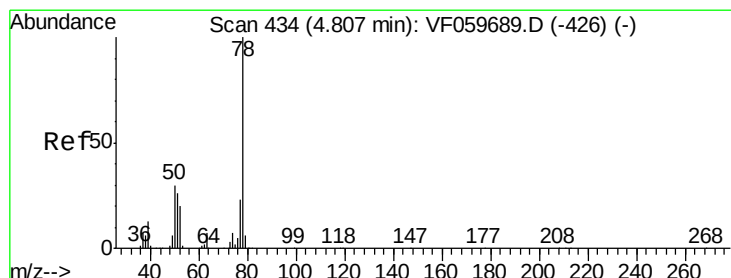
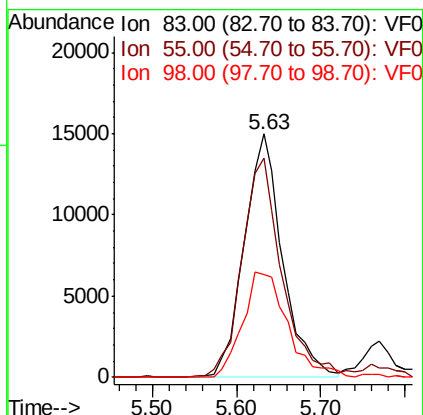
Acq: 2 Aug 2018 2:35

Tot Ion:	83	Resp:	47864
Ion	Ratio	Lower	Upper
83	100		
55	89.9	73.4	110.2
98	42.2	34.2	51.4

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS02

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#40

Benzene

Concen: 22.00 ug/l

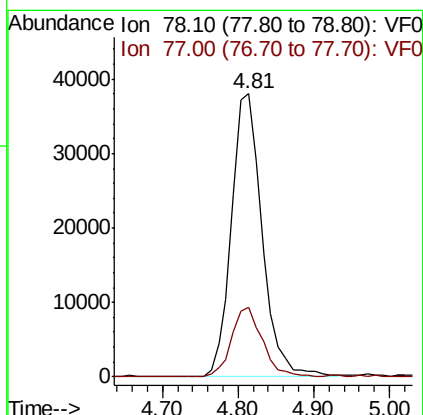
RT: 4.81 min Scan# 434

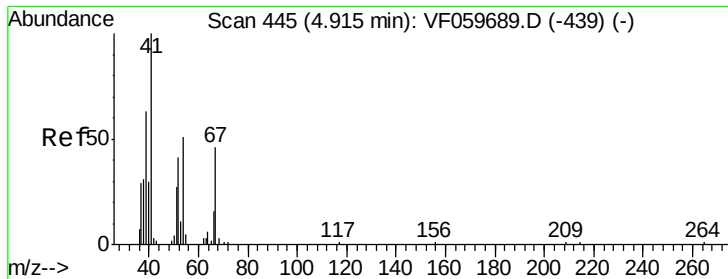
Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Tgt Ion:	78	Resp:	106556
Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.9	28.3





#41

Methacrylonitrile

Concen: 24.88 ug/l

RT: 4.92 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Instrument :

MSVOA_F

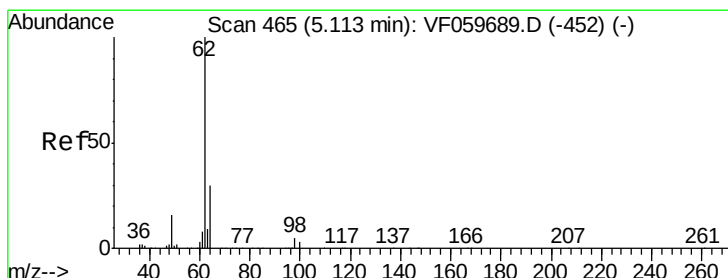
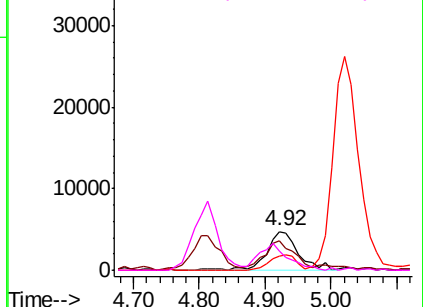
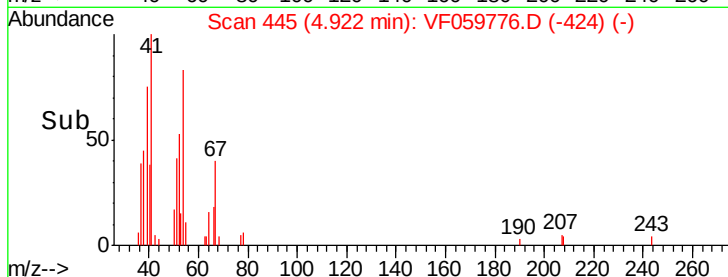
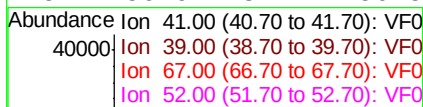
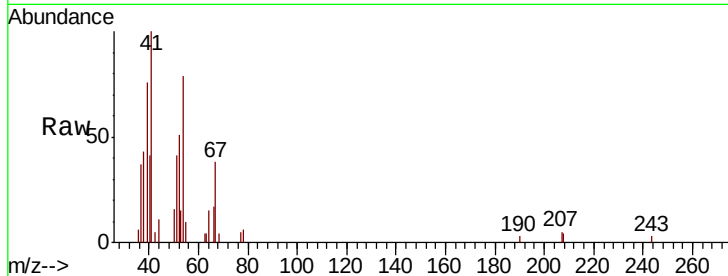
ClientSampleId :

VF0801SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	76.4	55.2	82.8
67	38.1	36.2	54.2
52	50.9	37.7	56.5

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#42

1,2-Dichloroethane

Concen: 21.53 ug/l

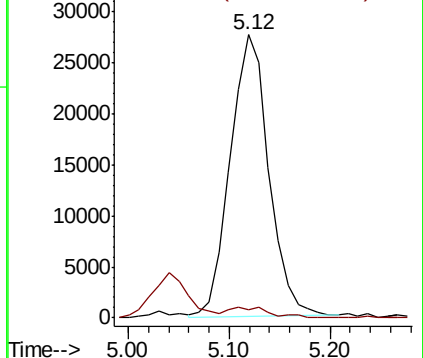
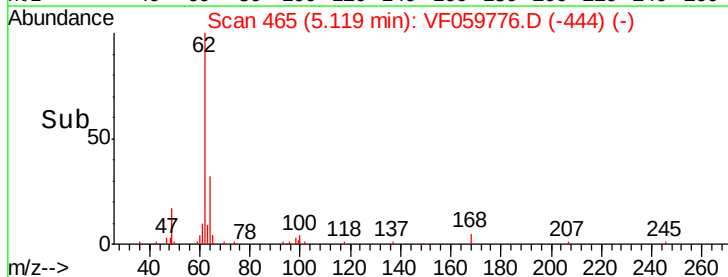
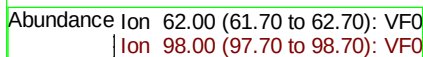
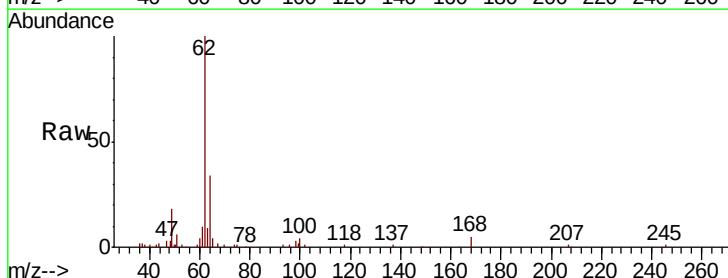
RT: 5.12 min Scan# 465

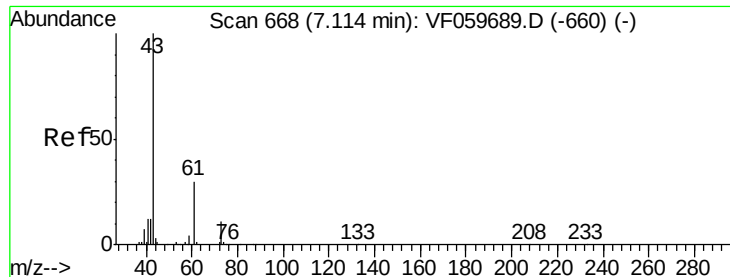
Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	3.1	0.0	9.6





#43

Isopropyl Acetate

Concen: 19.57 ug/l

RT: 7.12 min Scan# 668

Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Instrument :

MSVOA_F

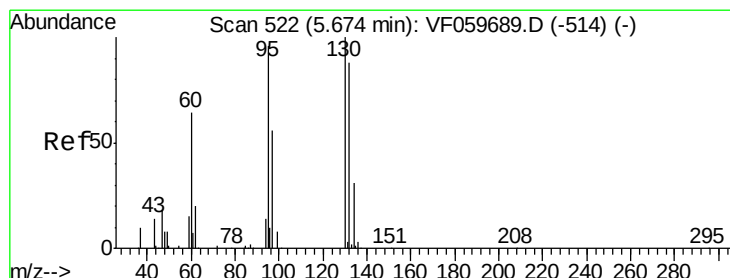
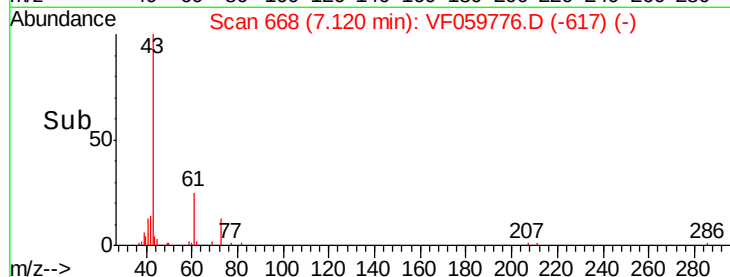
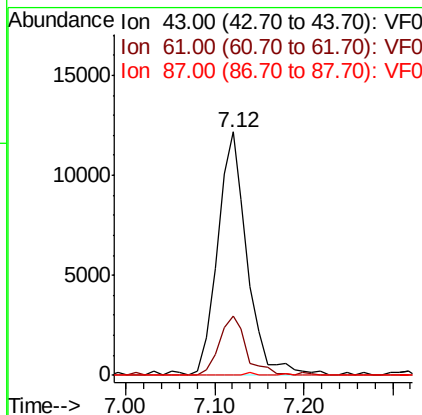
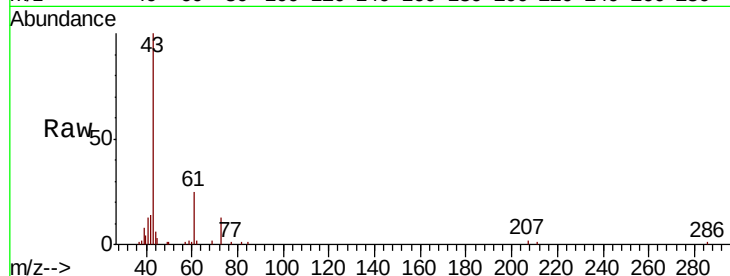
ClientSampleId :

VF0801SBS02

Tot Ion:	43	Resp:	28074
Ion Ratio	Lower	Upper	
43	100		
61	24.6	23.8	35.8
87	0.0	0.6	1.0#

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#44

Trichloroethene

Concen: 23.95 ug/l

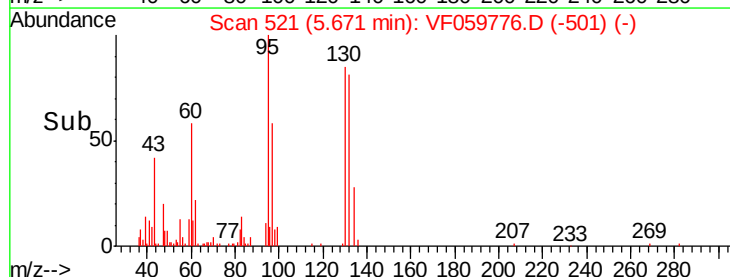
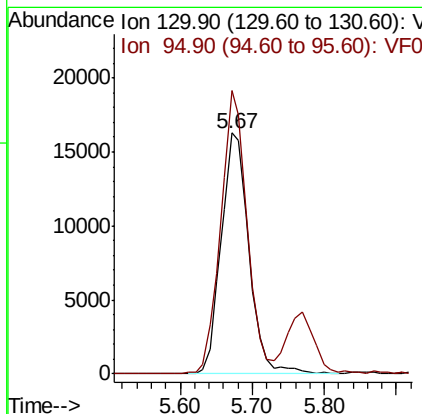
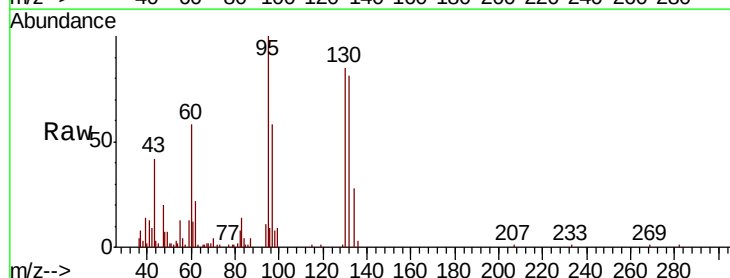
RT: 5.67 min Scan# 521

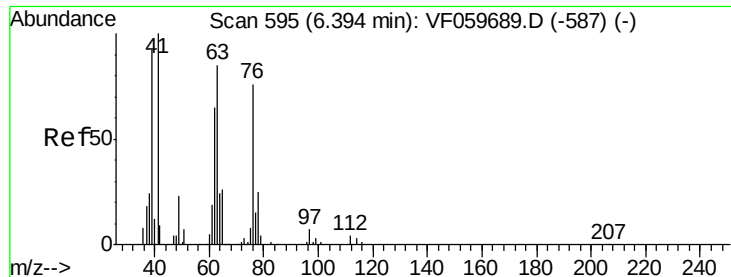
Delta R.T. -0.00 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Tgt Ion:	130	Resp:	43356
Ion Ratio	Lower	Upper	
130	100		
95	117.5	0.0	191.0





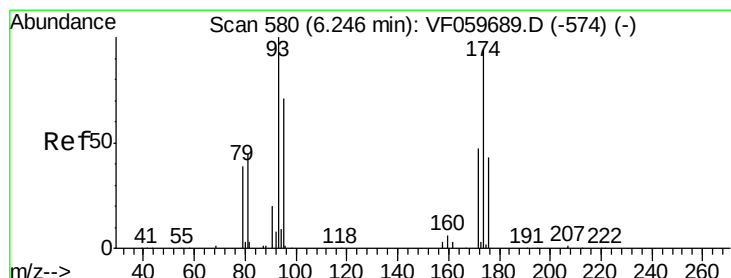
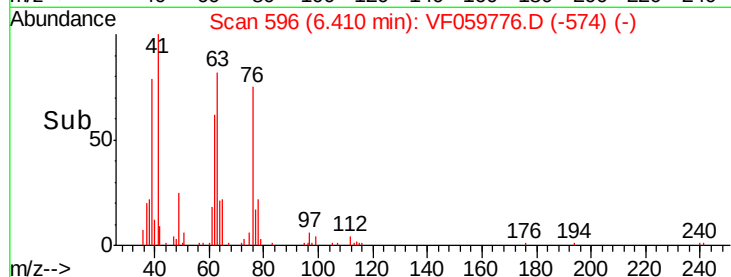
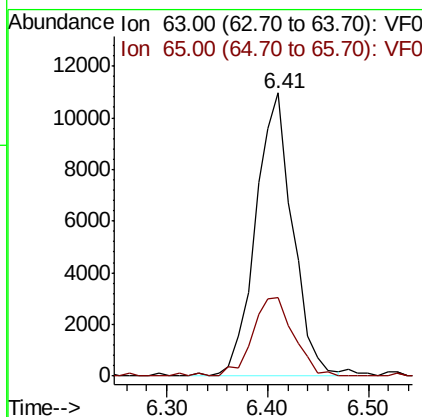
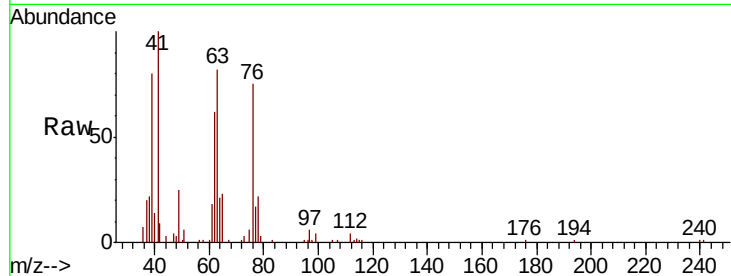
#45
 1,2-Dichloropropane
 Concen: 21.84 ug/l
 RT: 6.41 min Scan# 596
 Delta R.T. 0.02 min
 Lab File: VF059776.D
 Acq: 2 Aug 2018 2:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	27.6	25.2	37.8

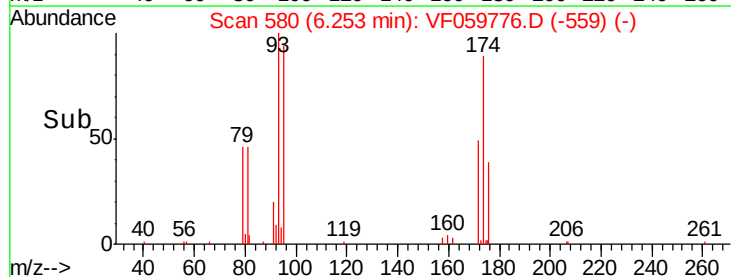
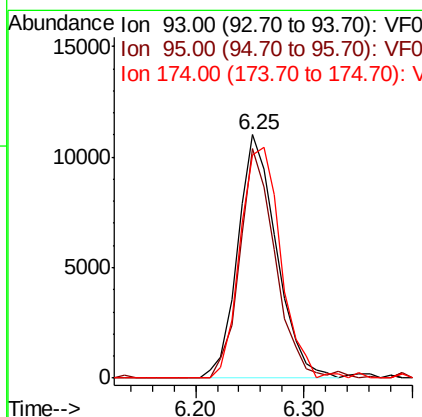
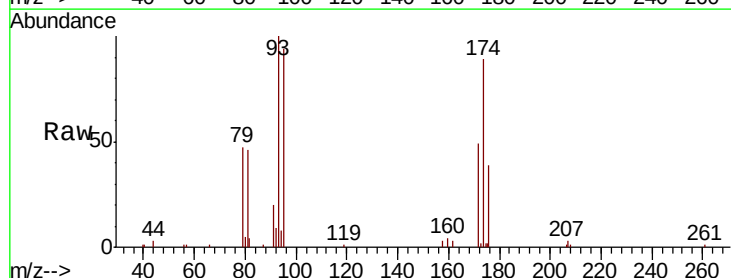
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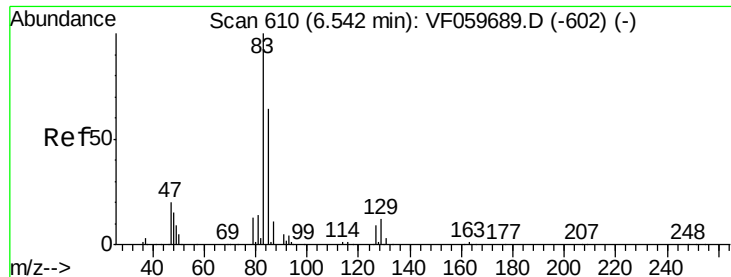
apatel
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#46
 Dibromomethane
 Concen: 22.54 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: VF059776.D
 Acq: 2 Aug 2018 2:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	94.1	57.1	85.7#
174	91.9	74.8	112.2





#47

Bromodichloromethane

Concen: 22.61 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Instrument :

MSVOA_F

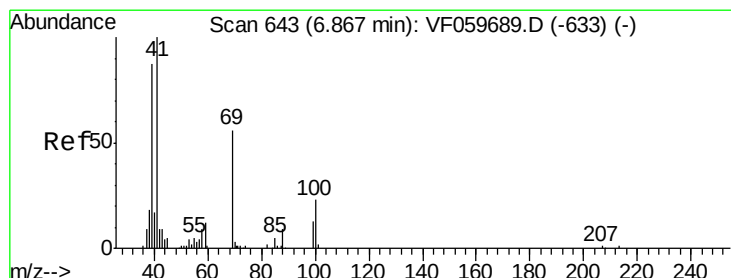
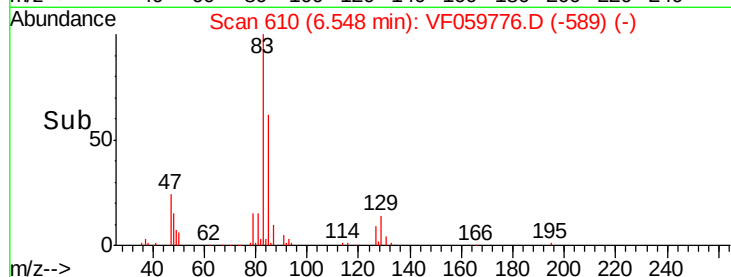
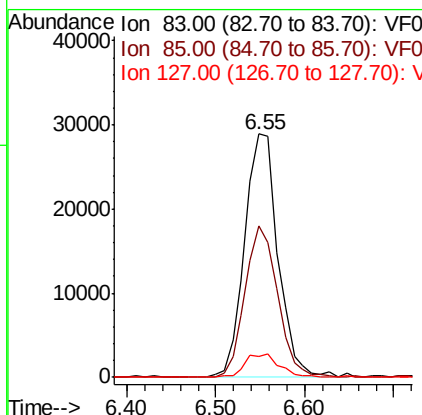
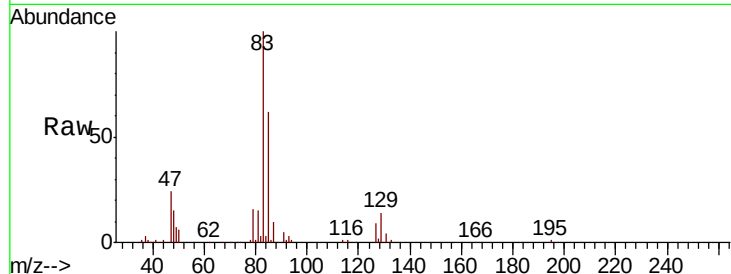
ClientSampleId :

VF0801SBS02

Tot Ion:	83	Resp:	74759
Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.0	76.6
127	8.8	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.51 ug/l

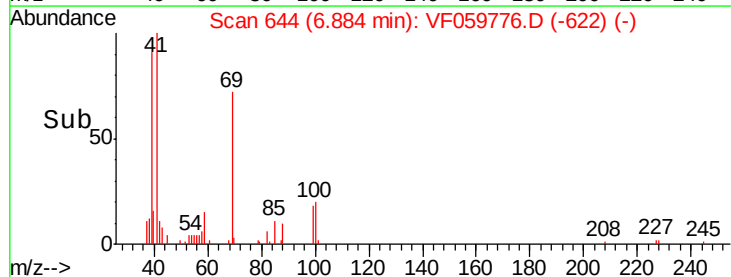
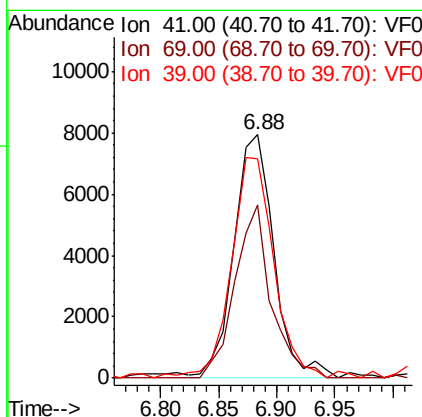
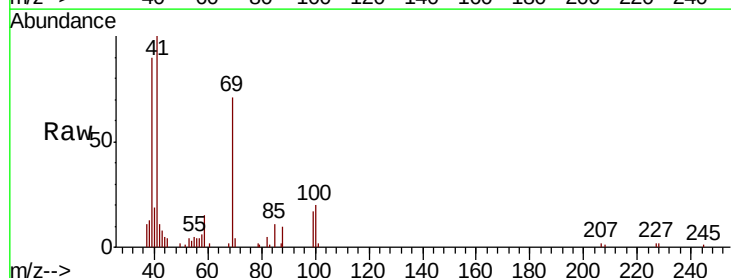
RT: 6.88 min Scan# 644

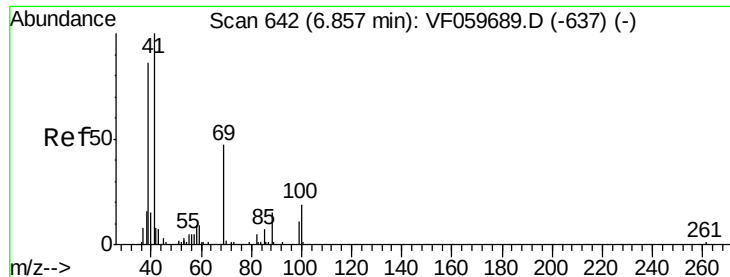
Delta R.T. 0.02 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Tgt Ion:	41	Resp:	18894
Ion	Ratio	Lower	Upper
41	100		
69	71.1	44.4	66.6#
39	90.1	69.4	104.2





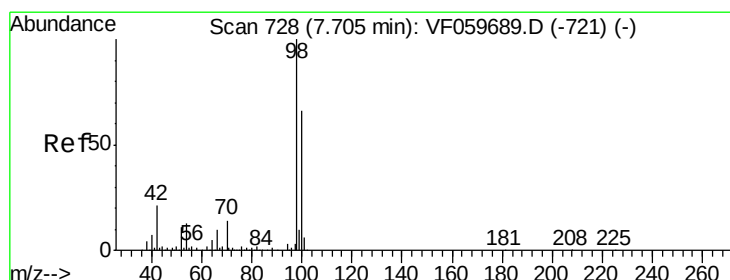
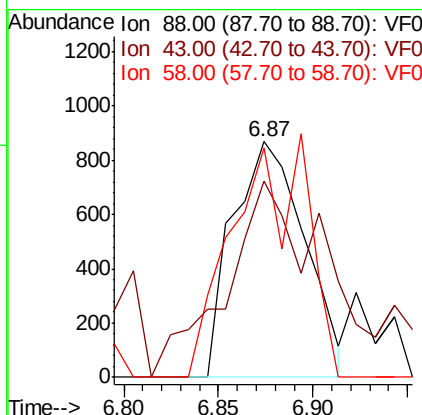
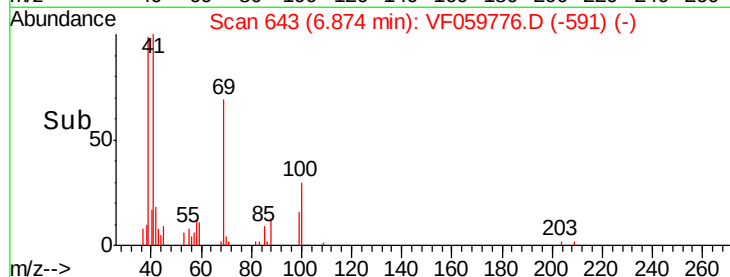
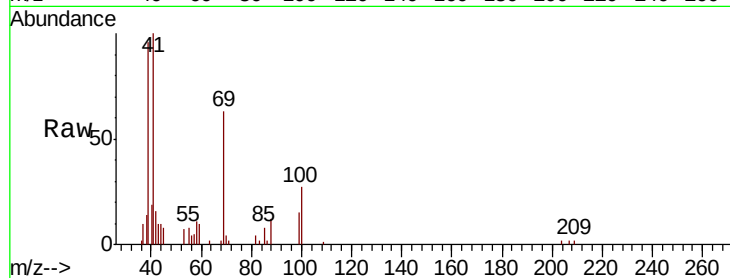
#49
1,4-Dioxane
Concen: 288.66 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.02 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	83.1	45.2	67.8#
58	97.6	49.0	73.6#

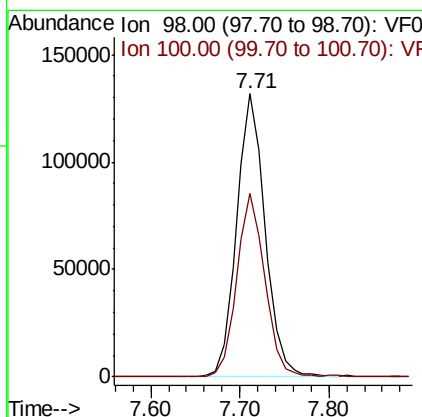
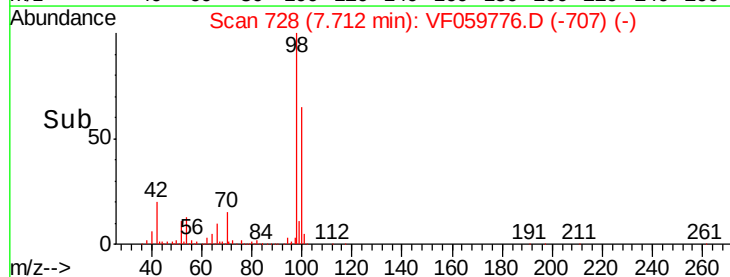
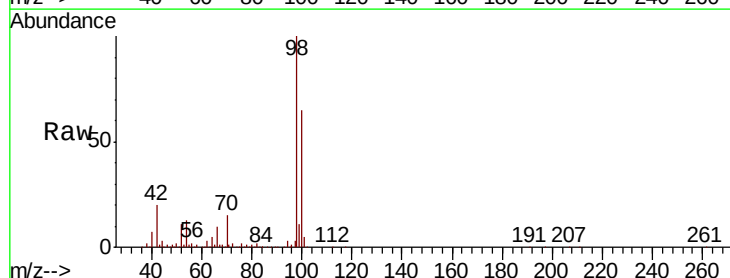
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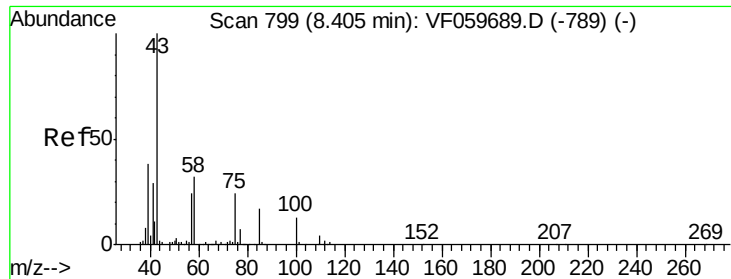
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#50
Toluene-d8
Concen: 50.45 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.01 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 110.29 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBS02

Tot Ion: 43 Resp: 120320

Ion Ratio Lower Upper

43 100

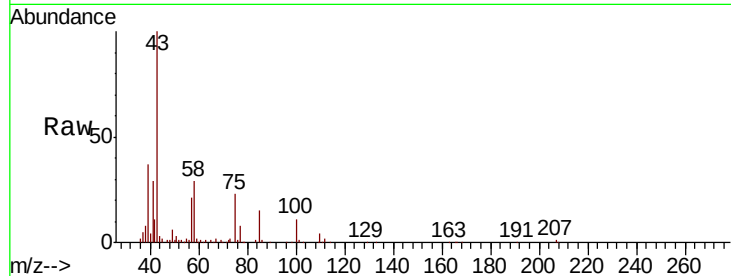
58 28.9 25.9 38.9

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

60000

50000

40000

30000

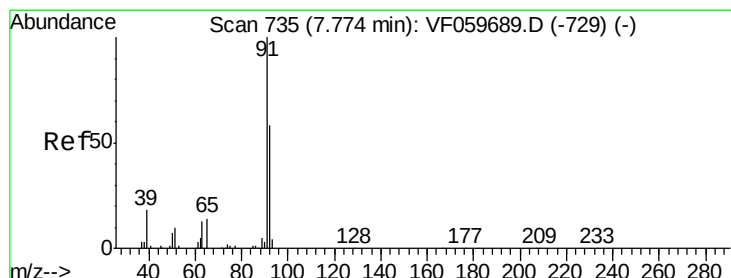
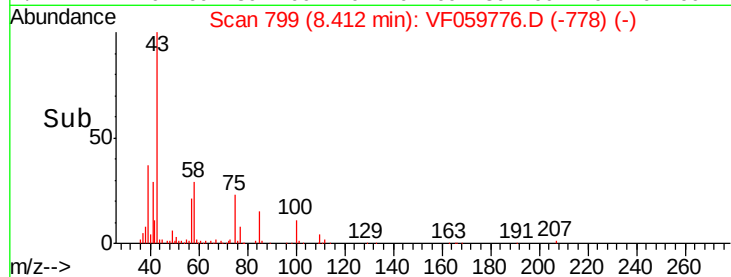
20000

10000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 23.04 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF059776.D

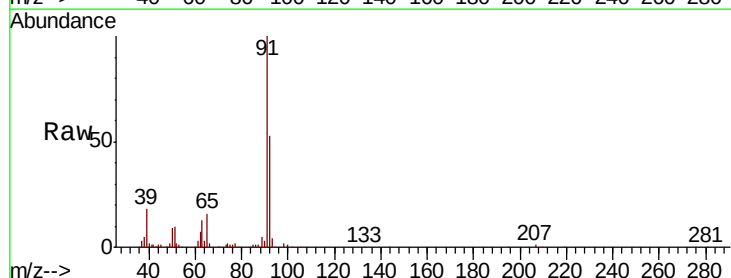
Acq: 2 Aug 2018 2:35

Tgt Ion: 92 Resp: 78891

Ion Ratio Lower Upper

92 100

91 188.0 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

60000

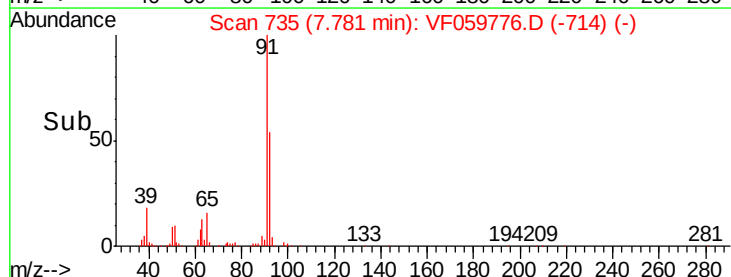
40000

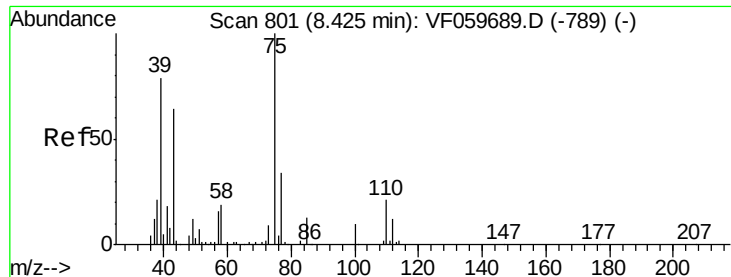
20000

0

7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.88 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBS02

Tot Ion: 75 Resp: 62778

Ion Ratio Lower Upper

75 100

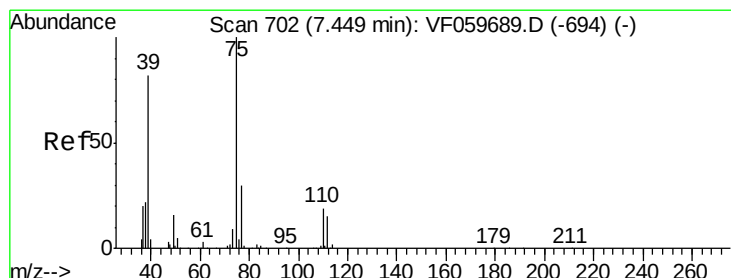
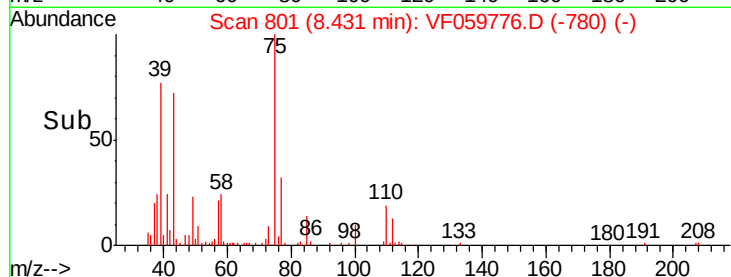
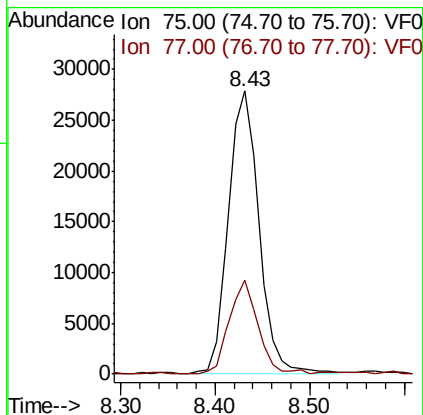
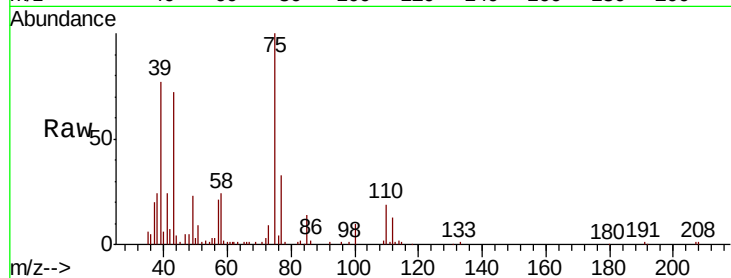
77 33.0 27.0 40.4

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#54

cis-1,3-Dichloropropene

Concen: 21.68 ug/l

RT: 7.46 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

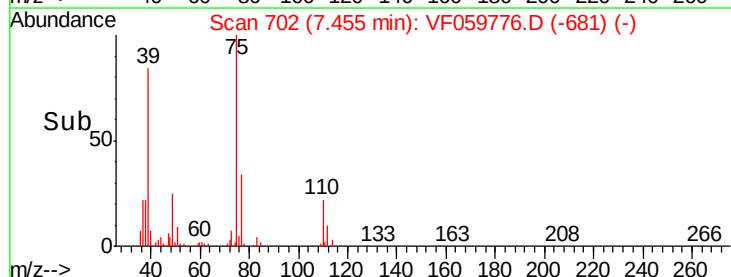
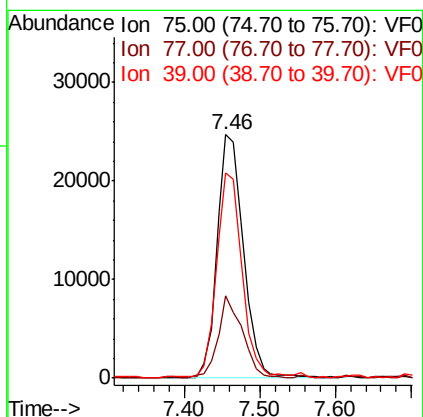
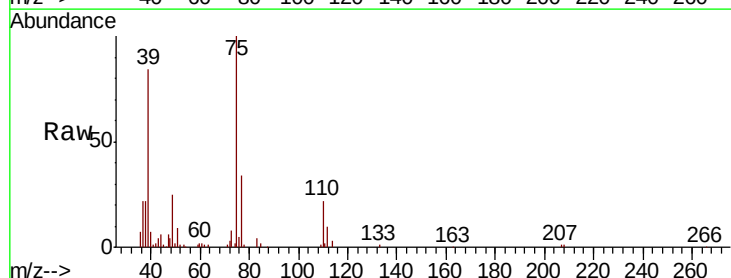
Tgt Ion: 75 Resp: 60266

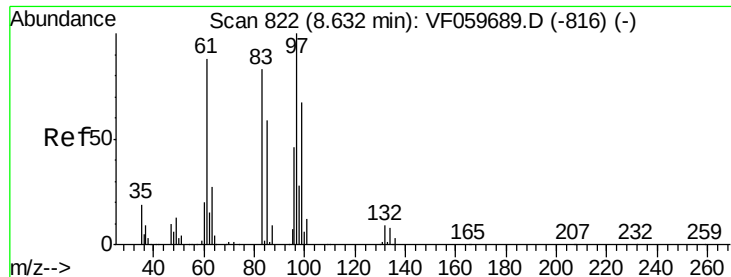
Ion Ratio Lower Upper

75 100

77 33.9 24.0 36.0

39 84.1 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 22.05 ug/l

RT: 8.64 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Instrument :

MSVOA_F

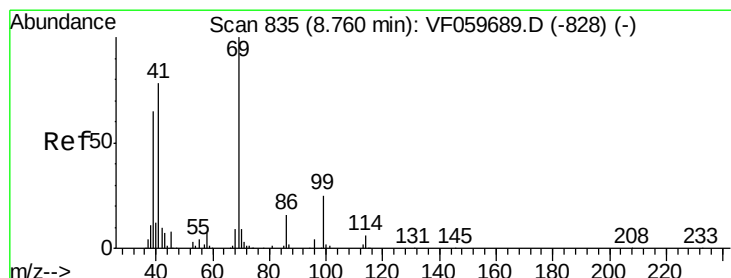
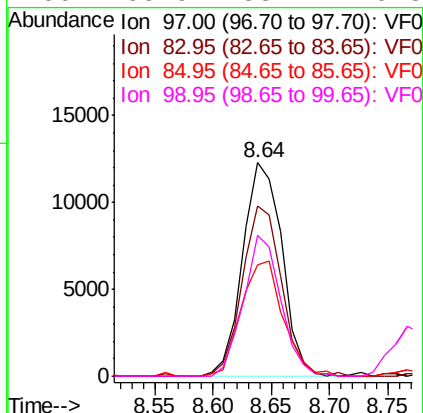
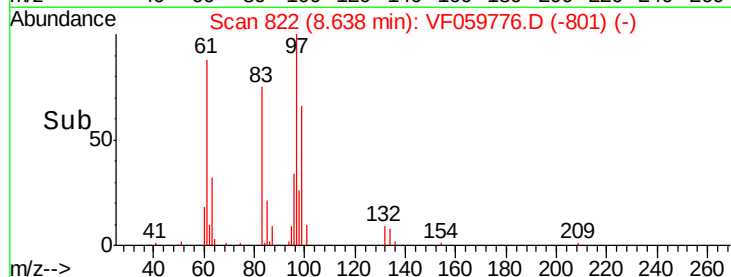
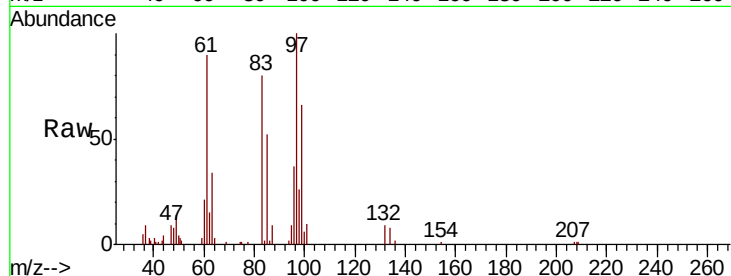
ClientSampleId :

VF0801SBS02

Tot Ion:	97	Resp:	28920
Ion	Ratio	Lower	Upper
97	100		
83	79.7	66.6	100.0
85	51.9	47.4	71.0
99	65.9	53.2	79.8

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#56

Ethyl methacrylate

Concen: 19.59 ug/l

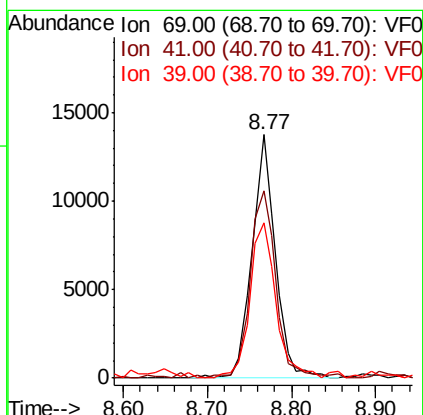
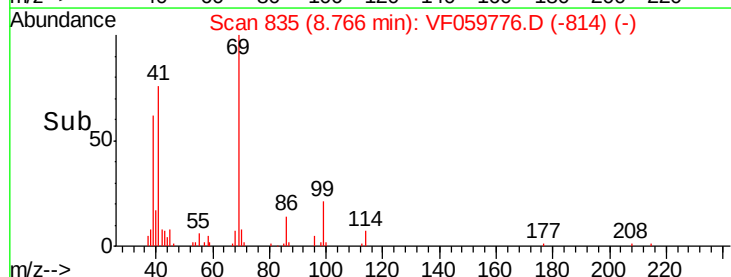
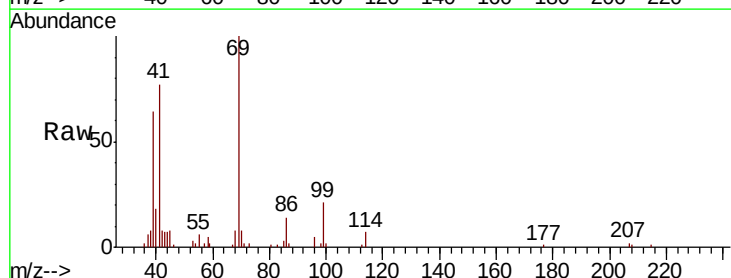
RT: 8.77 min Scan# 835

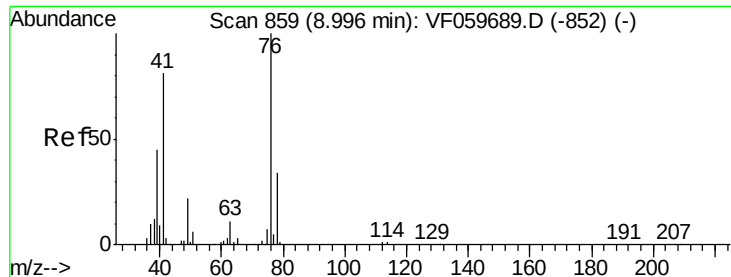
Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Tgt Ion:	69	Resp:	26806
Ion	Ratio	Lower	Upper
69	100		
41	77.2	62.3	93.5
39	63.9	52.4	78.6





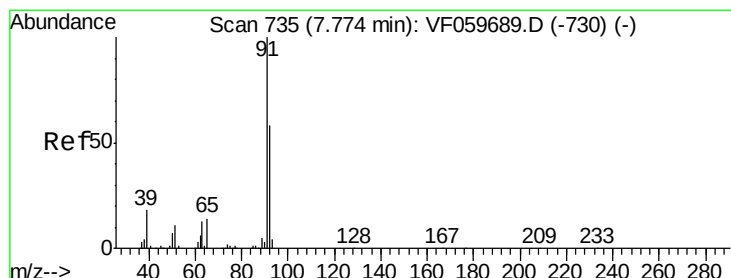
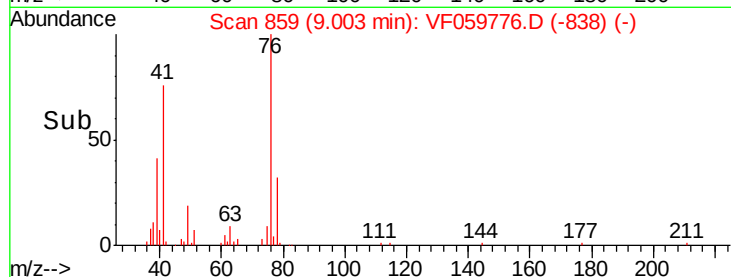
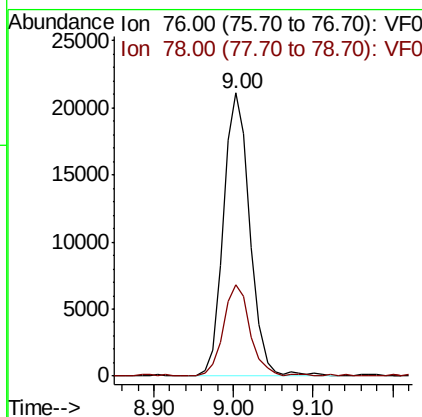
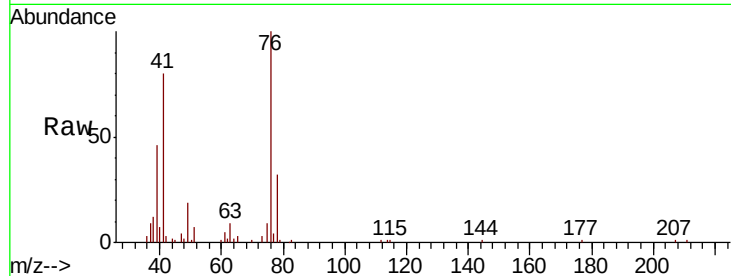
#57
 1,3-Dichloropropane
 Concen: 21.92 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. 0.01 min
 Lab File: VF059776.D
 Acq: 2 Aug 2018 2:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	27.2	40.8

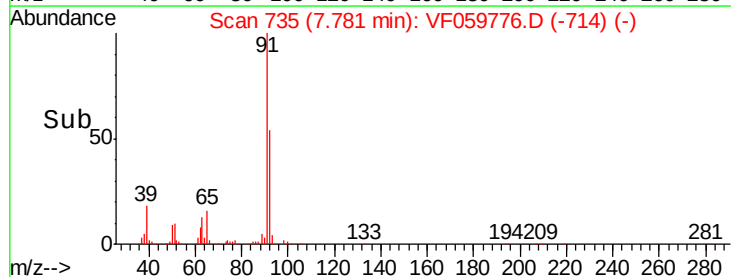
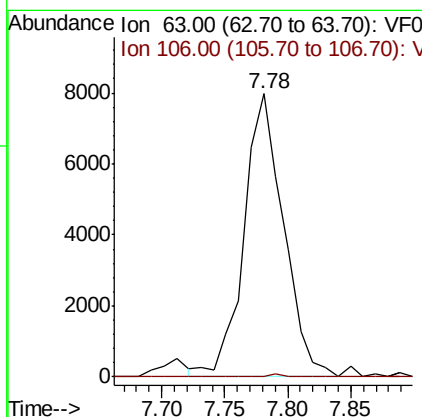
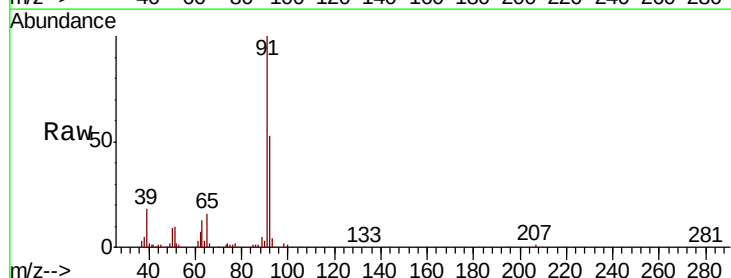
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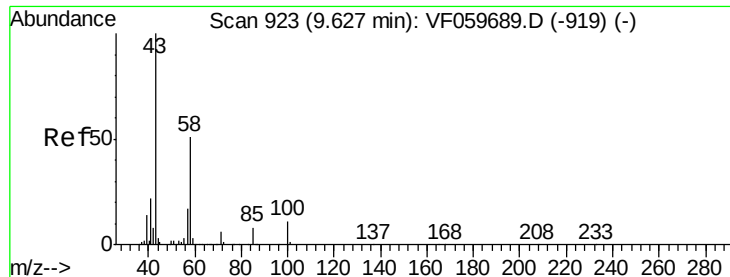
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#58
 2-Chloroethyl Vinyl ether
 Concen: 110.13 ug/l
 RT: 7.78 min Scan# 735
 Delta R.T. 0.01 min
 Lab File: VF059776.D
 Acq: 2 Aug 2018 2:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





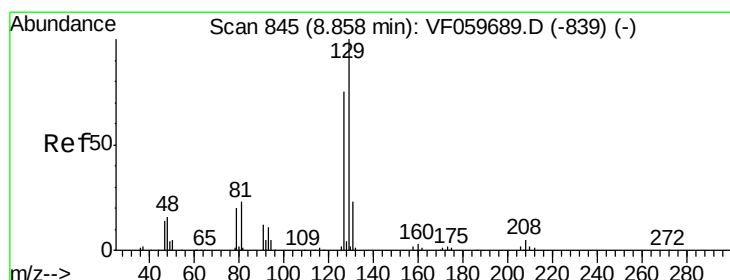
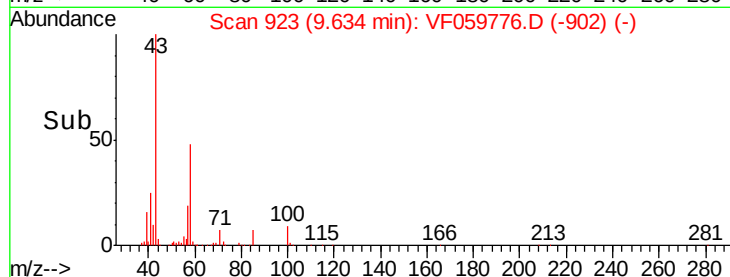
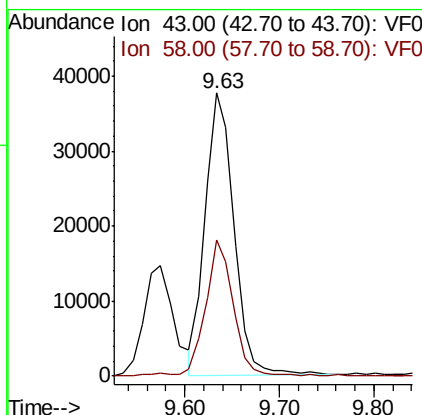
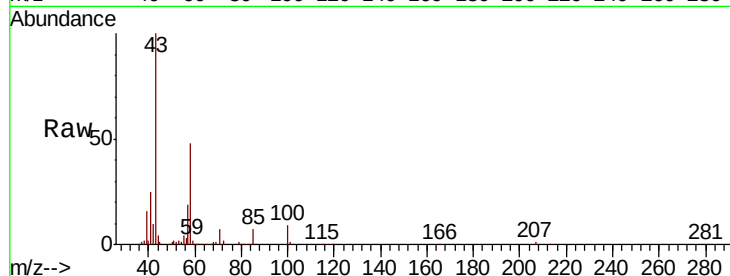
#59
2-Hexanone
Concen: 91.40 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.0	23.3	69.8

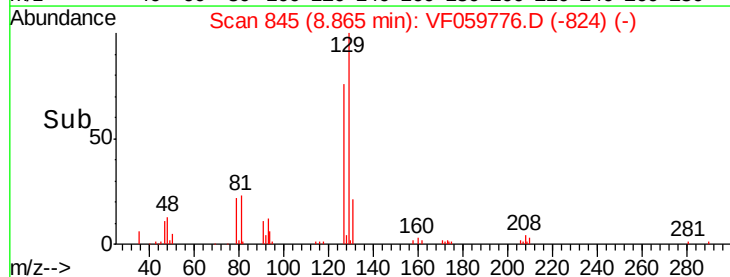
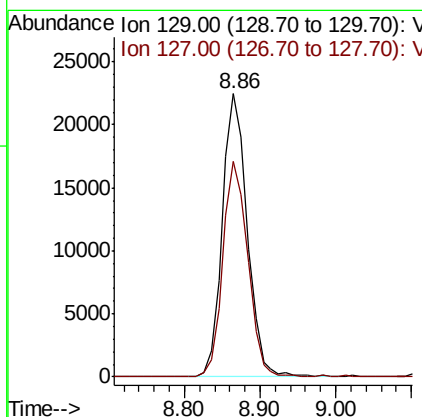
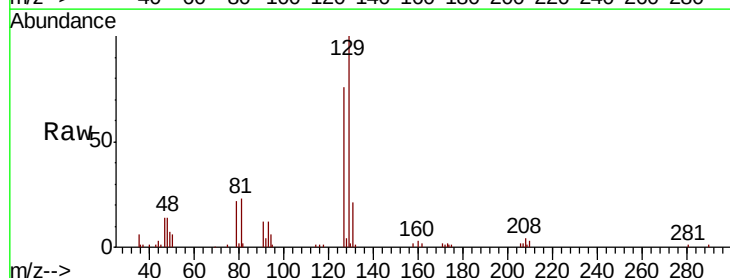
Manual Integrations
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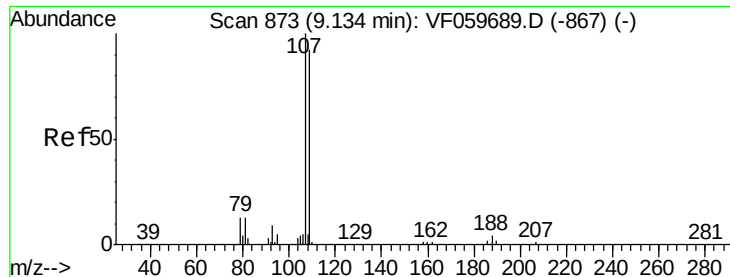
apatel
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#60
Dibromochloromethane
Concen: 22.10 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.01 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.0	37.7	113.1





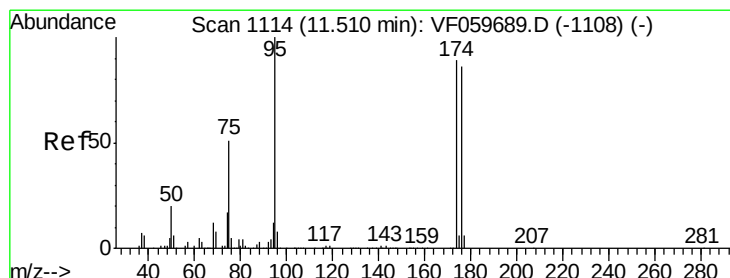
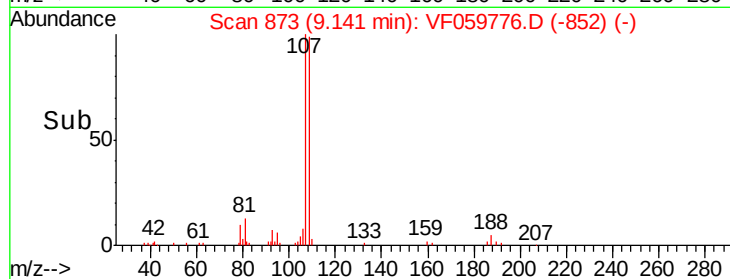
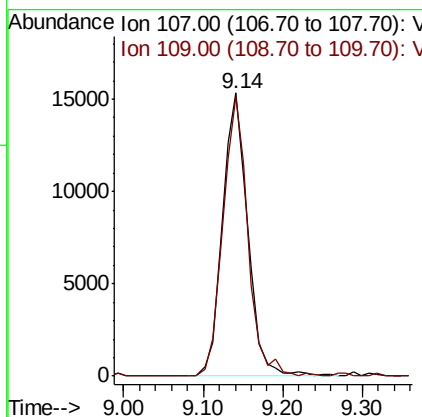
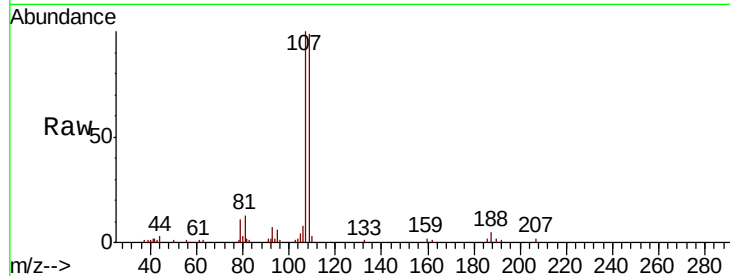
#61
 1,2-Dibromoethane
 Concen: 22.37 ug/l
 RT: 9.14 min Scan# 873
 Delta R.T. 0.01 min
 Lab File: VF059776.D
 Acq: 2 Aug 2018 2:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	99.0	73.6	110.4

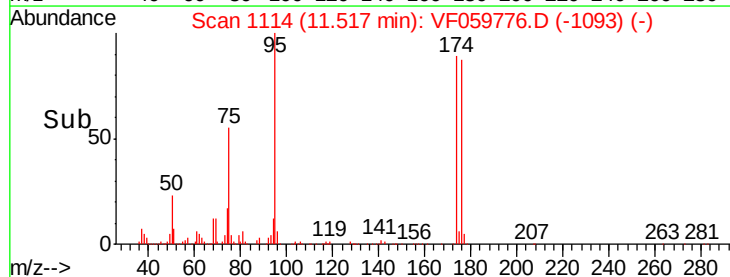
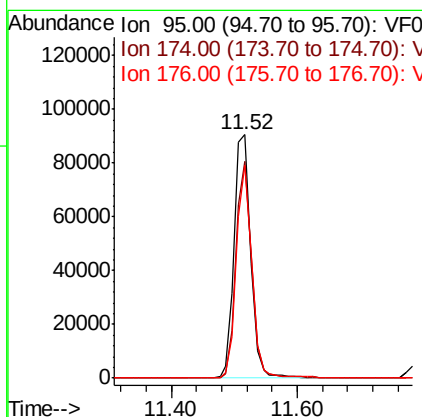
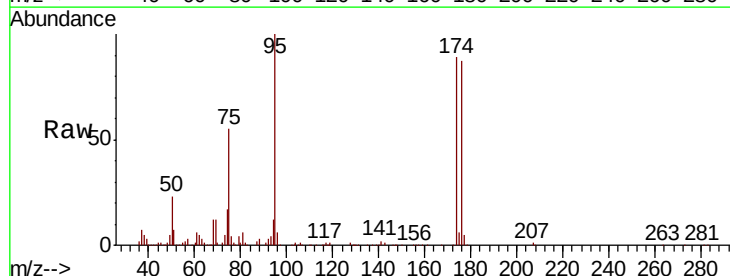
Manual Integrations
 APPROVED

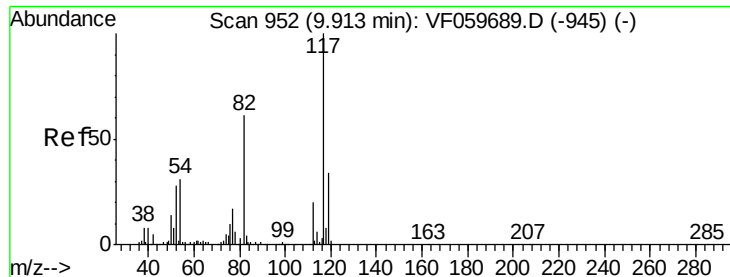
apatel
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#62
 4-Bromofluorobenzene
 Concen: 51.12 ug/l
 RT: 11.52 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VF059776.D
 Acq: 2 Aug 2018 2:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	178.4
176	87.4	0.0	173.0





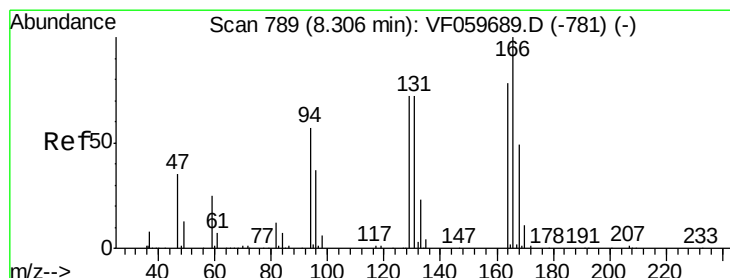
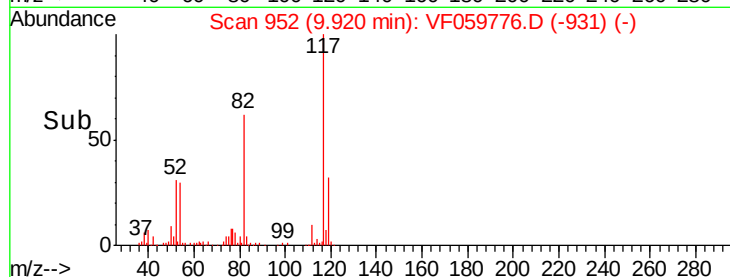
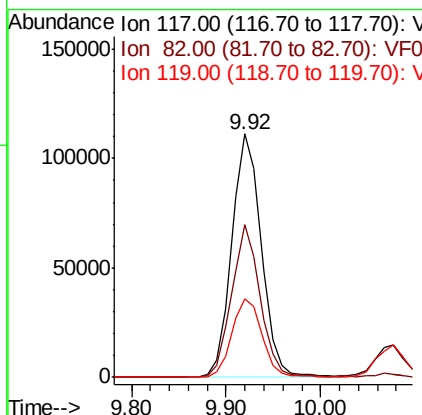
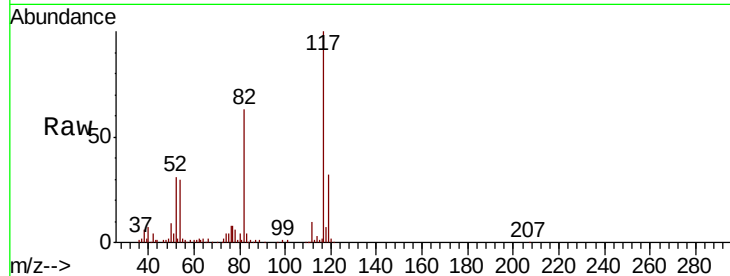
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Instrument :
MSVOA_F
ClientSampled :
VF0801SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	62.5	49.0	73.4	
119	32.0	27.3	40.9	

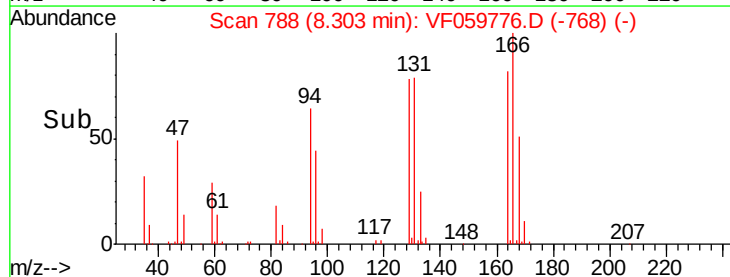
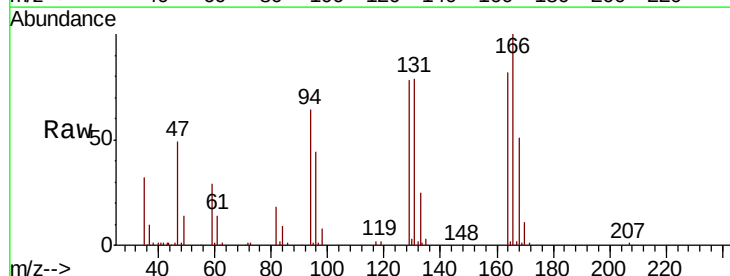
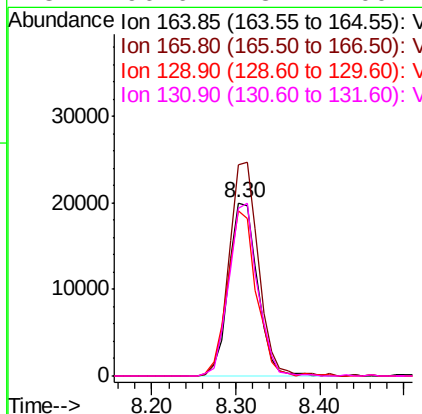
Manual Integrations
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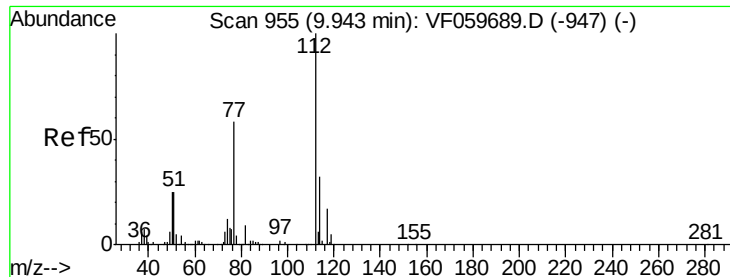
apatel
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#64
Tetrachloroethene
Concen: 27.39 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	122.2	102.1	153.1	
129	94.9	73.8	110.6	
131	96.6	73.1	109.7	





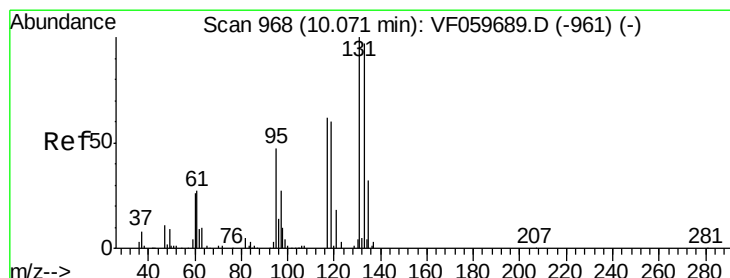
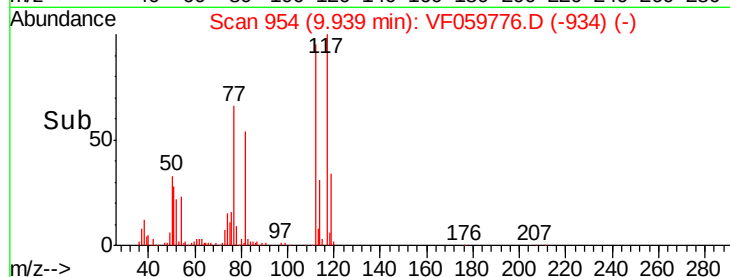
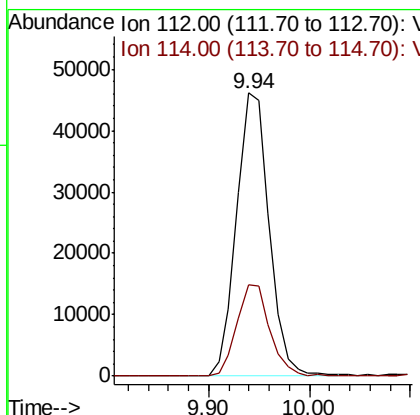
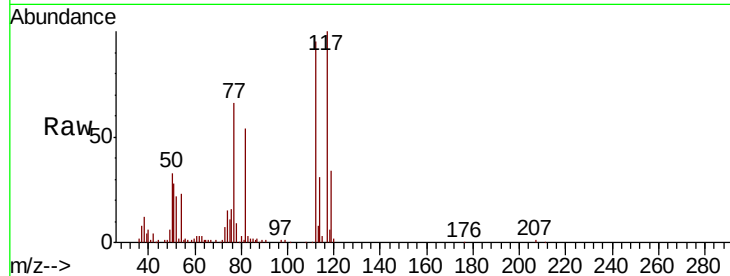
#65
Chlorobenzene
Concen: 21.69 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	104355		
114	32.3	25.6	38.4	

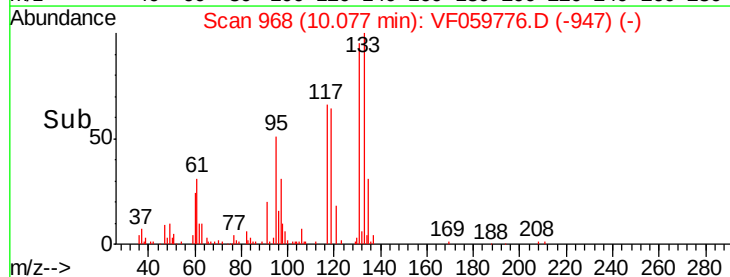
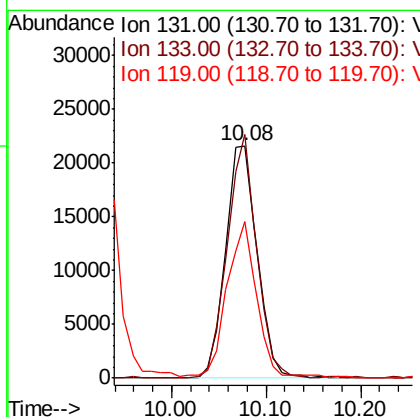
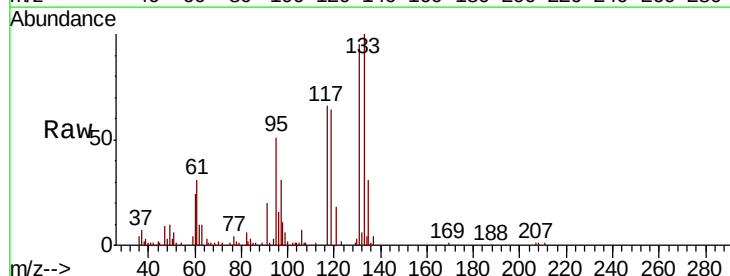
Manual Integrations
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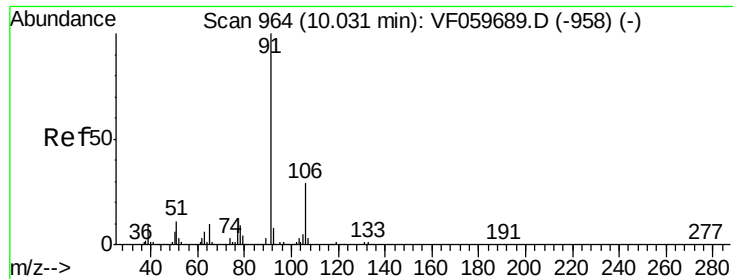
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.26 ug/l
RT: 10.08 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	50013		
133	104.7	48.5	145.5	
119	67.3	30.3	90.8	





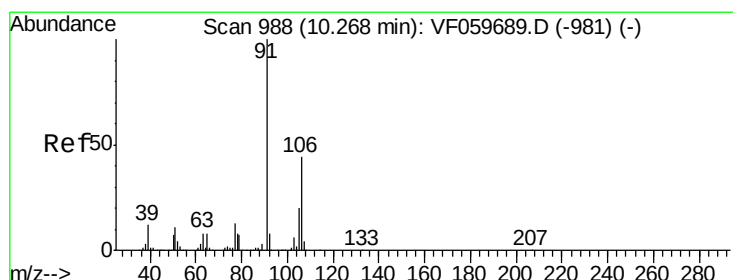
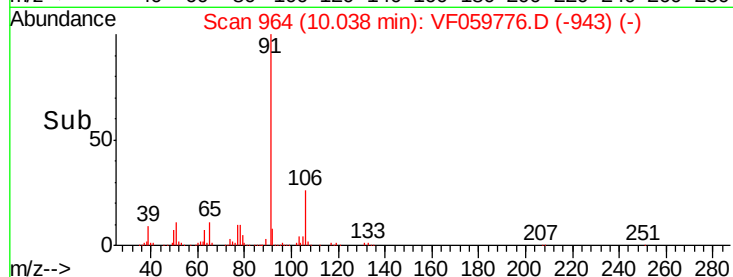
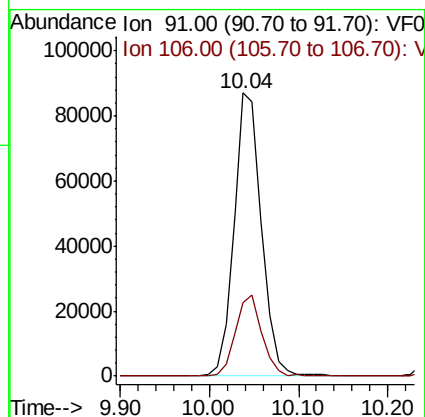
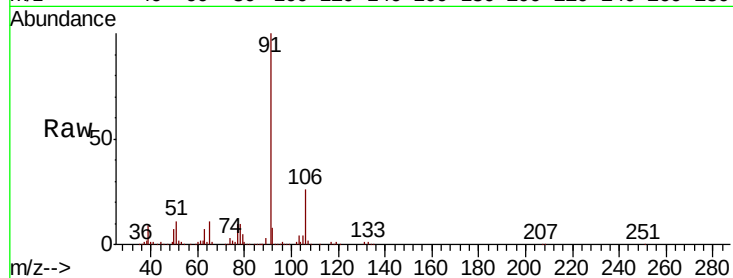
#67
Ethyl Benzene
Concen: 22.48 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	26.0	22.9	34.3

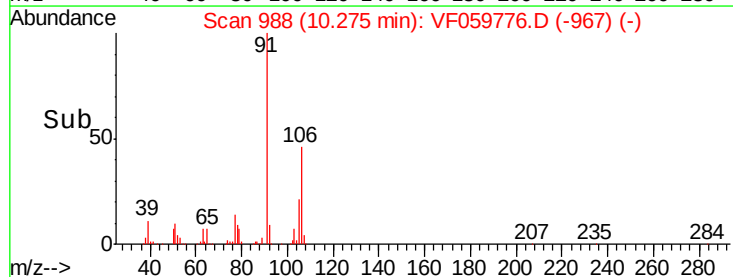
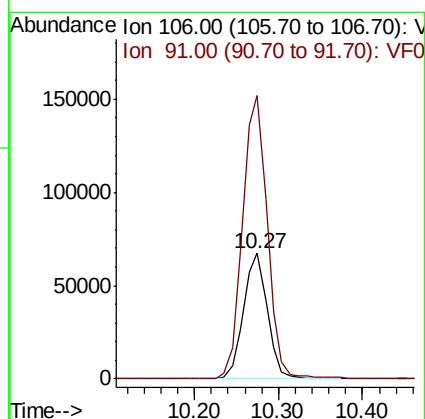
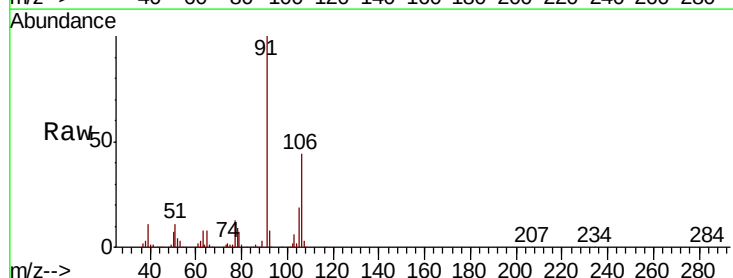
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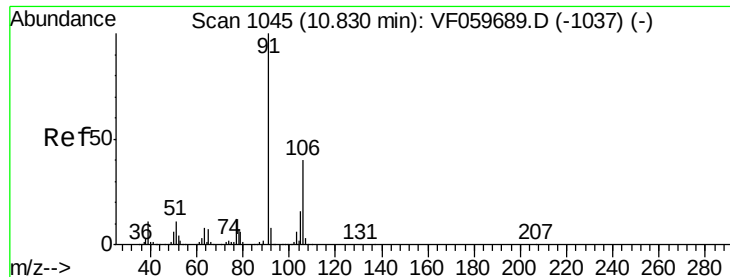
apatel
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#68
m/p-Xylenes
Concen: 47.40 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.01 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Tgt Ion	Ratio	Lower	Upper
106	100		
91	224.9	181.7	272.5





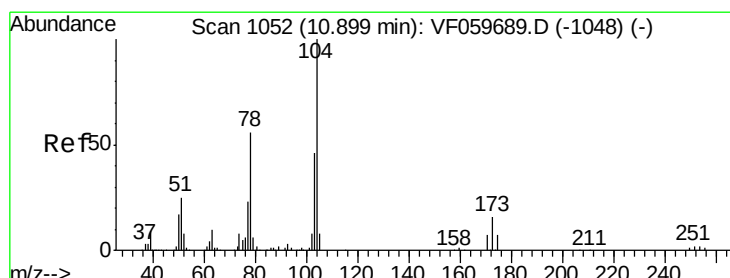
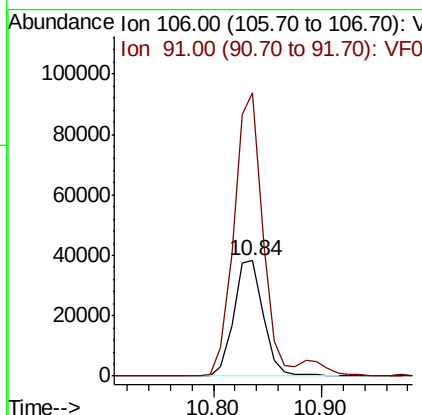
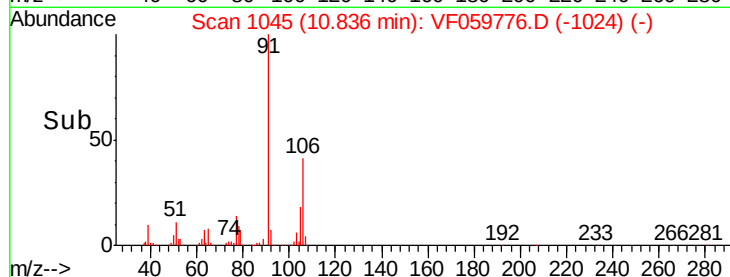
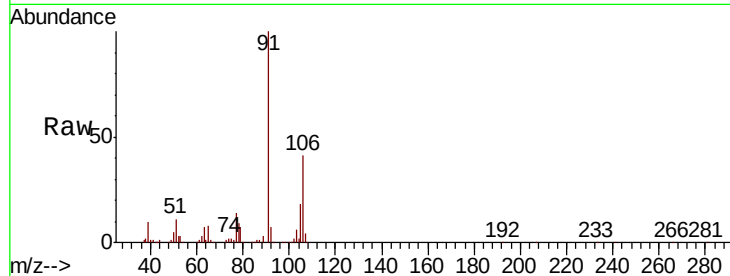
#69
o-Xylene
Concen: 23.87 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS02

Tot Ion:106 Resp: 73244
Ion Ratio Lower Upper
106 100
91 245.0 124.6 373.7

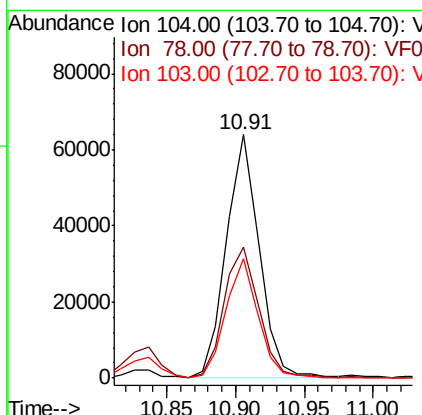
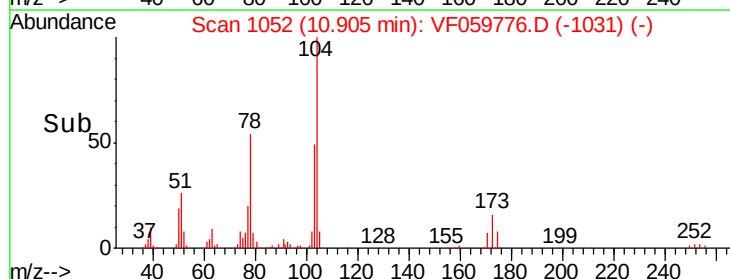
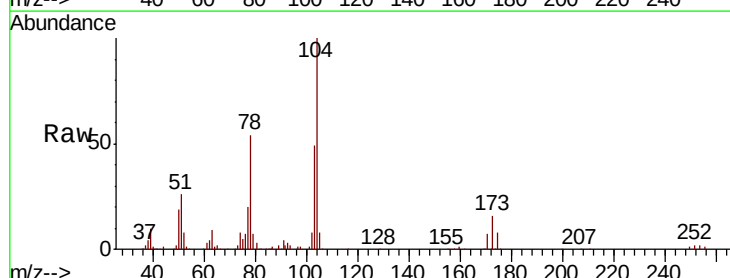
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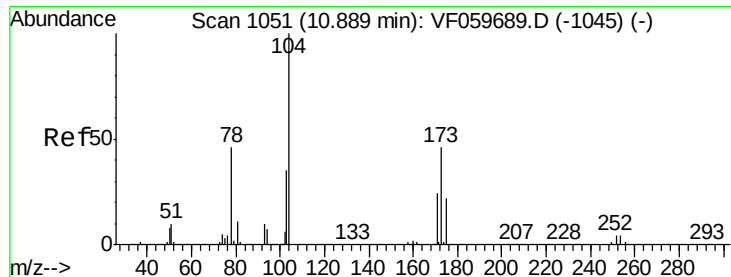
apatel
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#70
Styrene
Concen: 22.87 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Tgt Ion:104 Resp: 106307
Ion Ratio Lower Upper
104 100
78 53.8 45.3 67.9
103 49.2 36.6 54.8





#71

Bromoform

Concen: 22.08 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Instrument :

MSVOA_F

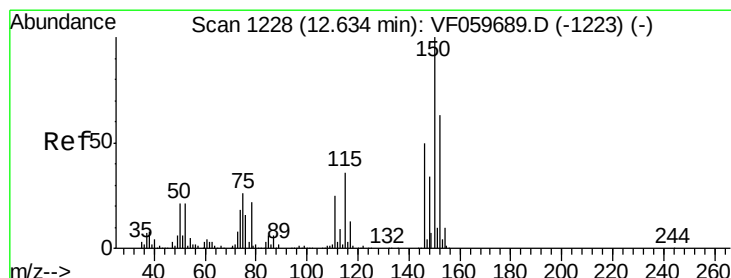
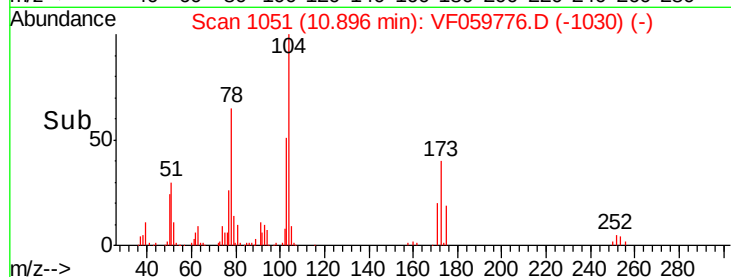
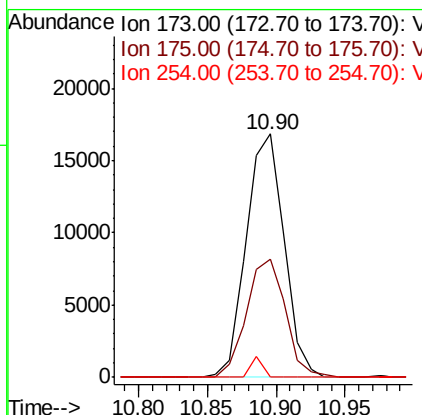
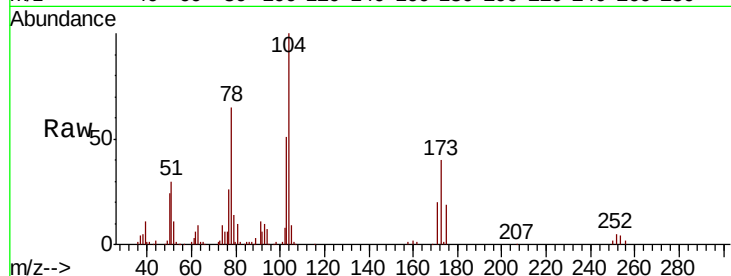
ClientSampleId :

VF0801SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.4	70.0
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

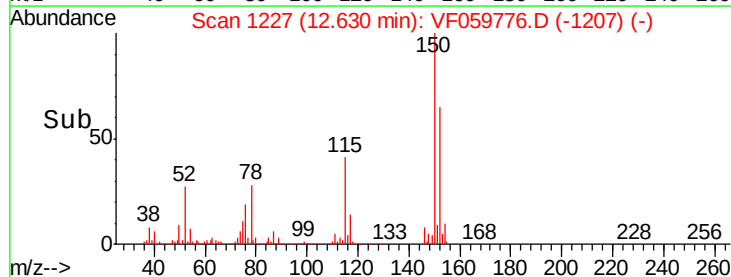
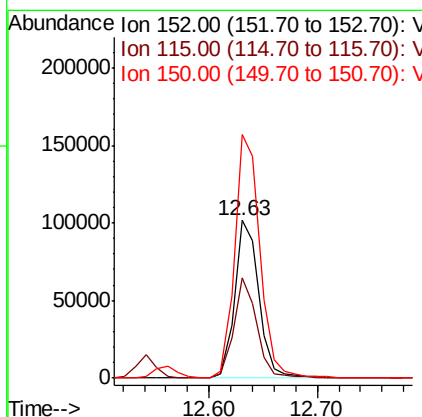
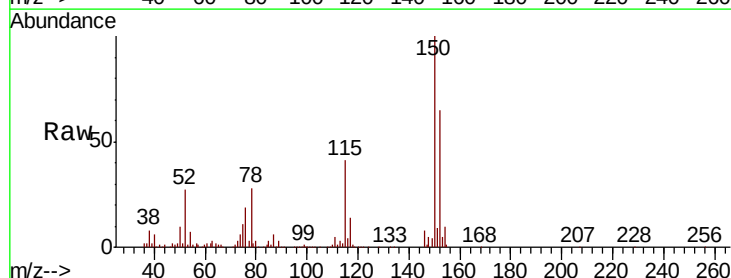
RT: 12.63 min Scan# 1227

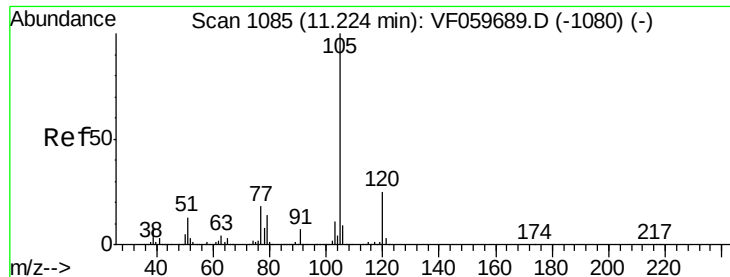
Delta R.T. -0.00 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.4	28.2	84.6
150	154.8	0.0	316.2





#73

Isopropylbenzene

Concen: 22.08 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBS02

Tot Ion: 105 Resp: 229394

Ion Ratio Lower Upper

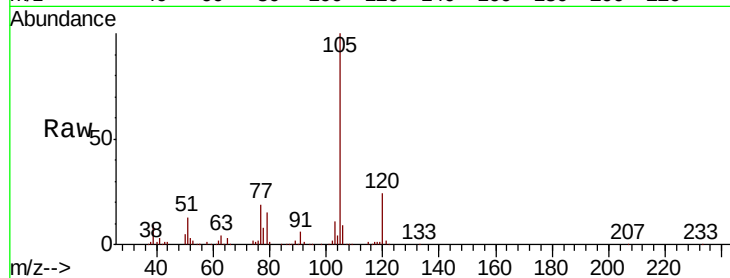
105 100

120 23.8 12.4 37.4

Manual Integrations
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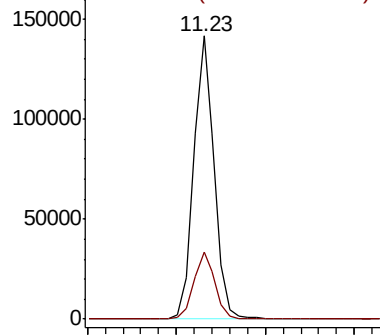
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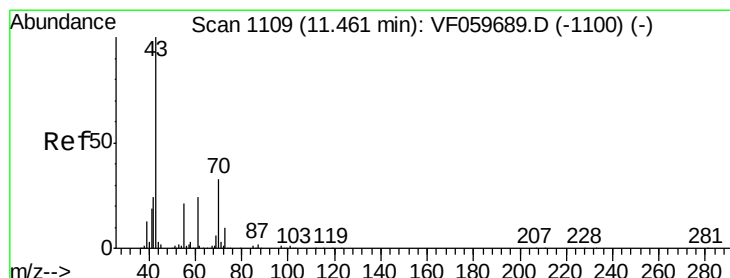
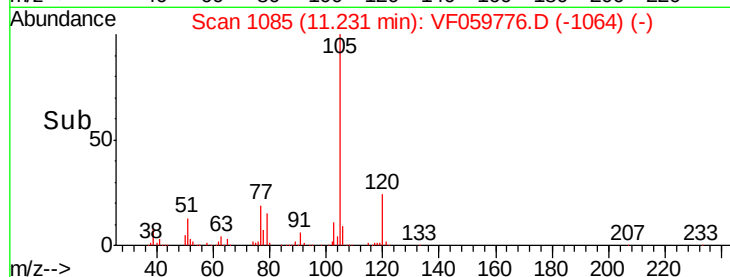


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 18.42 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Tgt Ion: 43 Resp: 48277

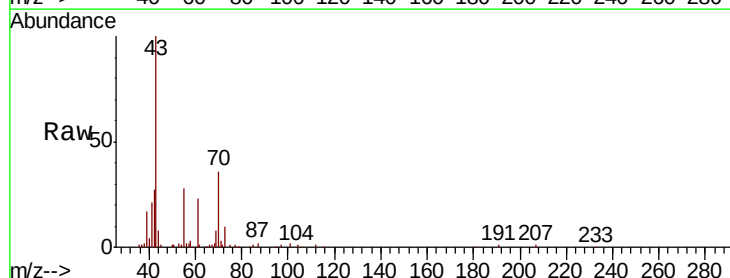
Ion Ratio Lower Upper

43 100

70 35.9 26.3 39.5

55 28.3 16.6 25.0#

61 22.9 19.1 28.7

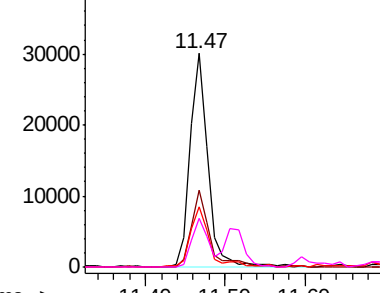


Abundance Ion 43.00 (42.70 to 43.70): VF0

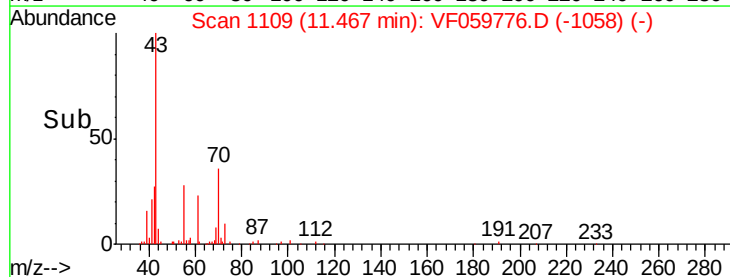
Ion 70.00 (69.70 to 70.70): VF0

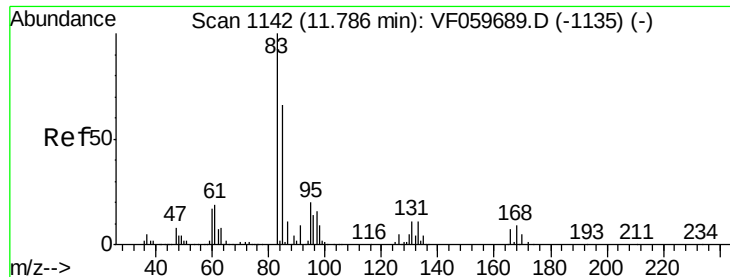
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



Time--> 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 21.64 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Instrument :

MSVOA_F

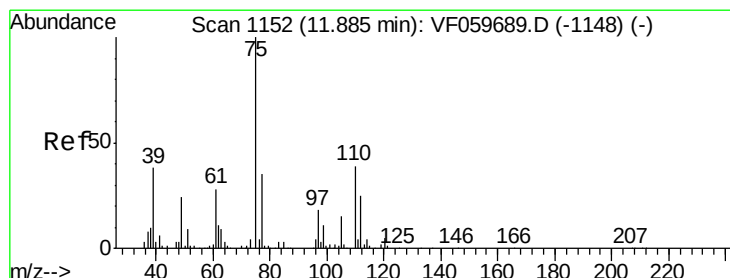
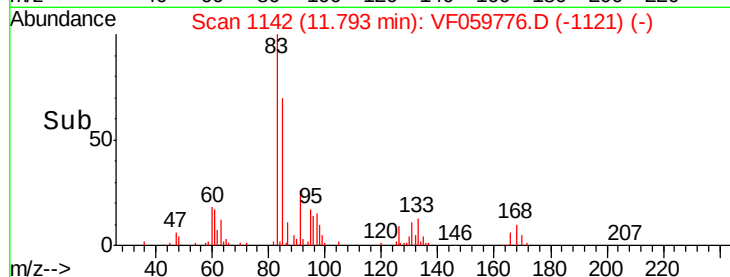
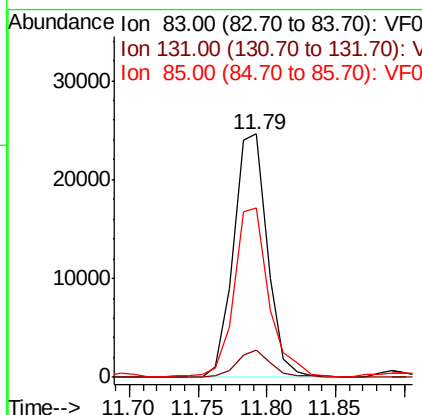
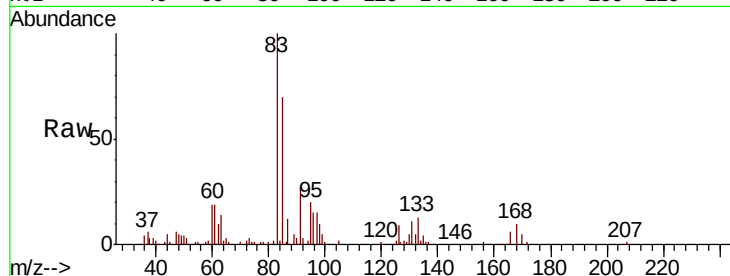
ClientSampleId :

VF0801SBS02

Tot Ion:	83	Resp:	42325
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.8	17.3
85	69.7	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.93 ug/l

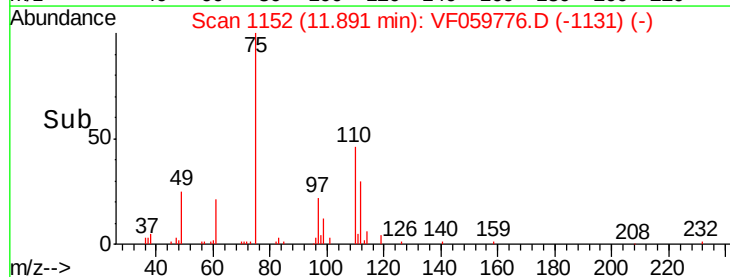
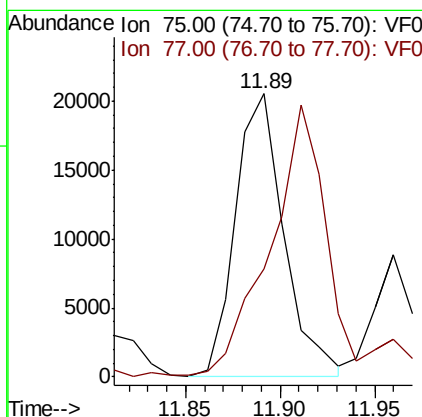
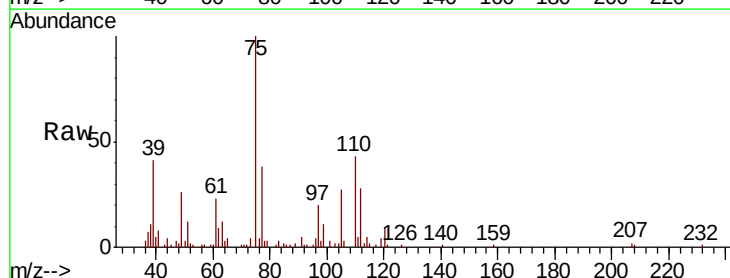
RT: 11.89 min Scan# 1152

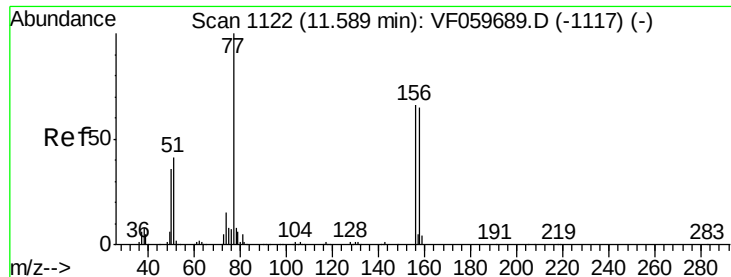
Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Tgt Ion:	75	Resp:	36480
Ion Ratio	Lower	Upper	
75	100		
77	38.2	18.0	54.0





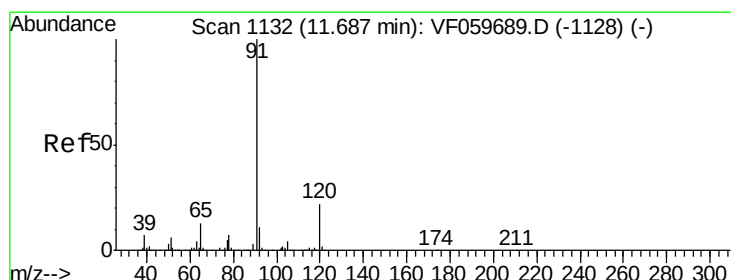
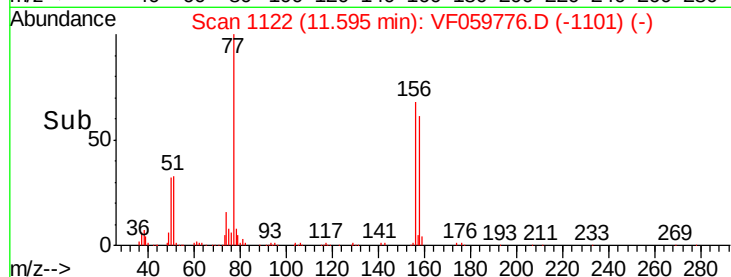
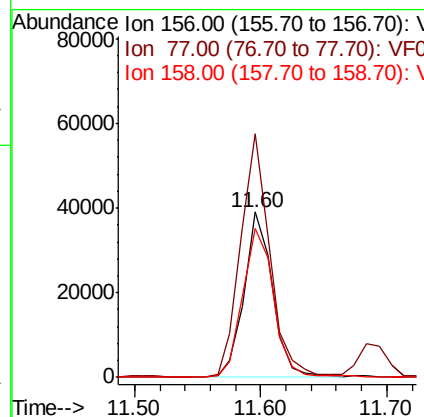
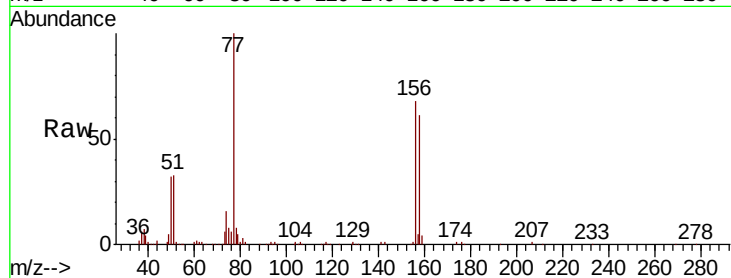
#77
Bromobenzene
Concen: 22.52 ug/l
RT: 11.60 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	147.3	75.2	225.6
158	89.8	49.1	147.3

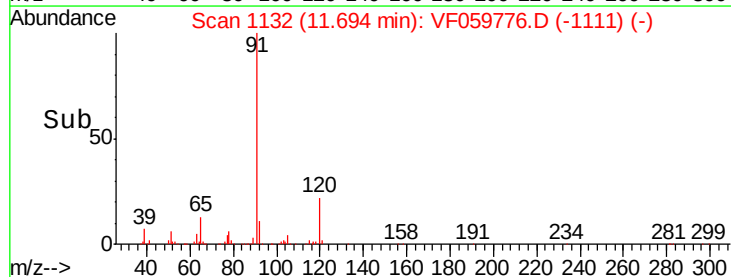
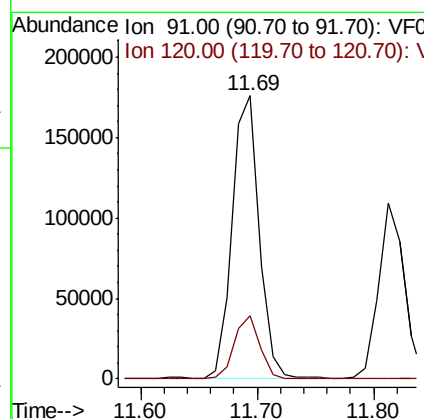
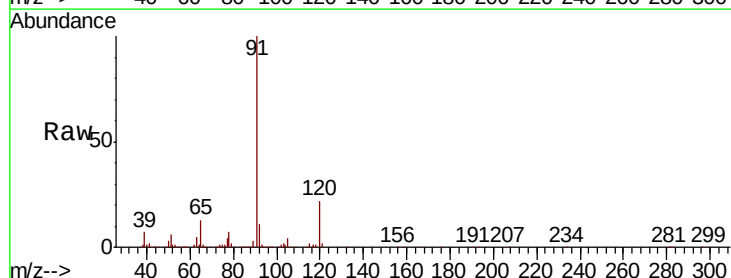
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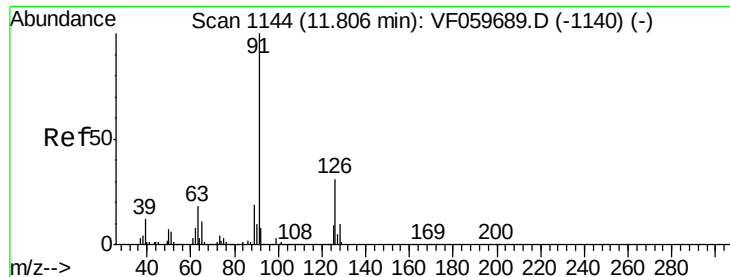
apatel
8/10/2018 3:51:06 PM



#78
n-propylbenzene
Concen: 23.88 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. 0.01 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.0	33.0





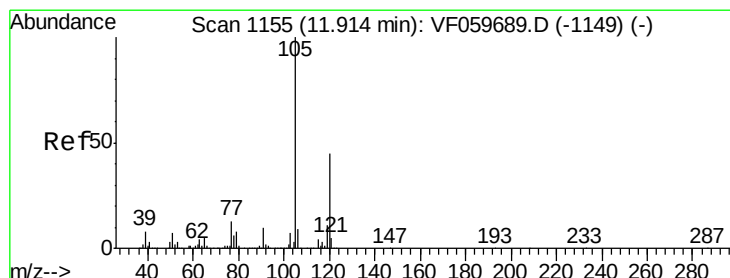
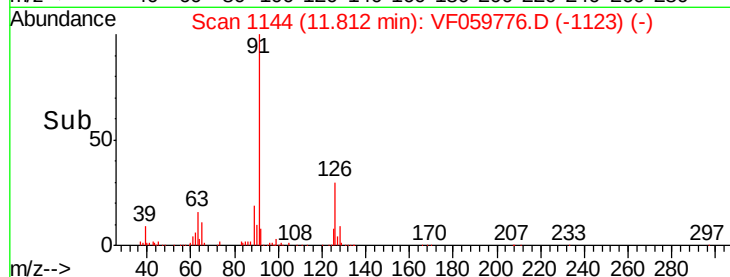
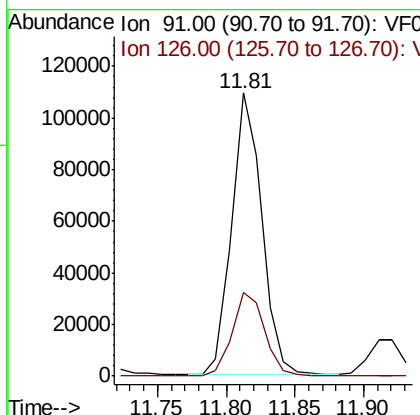
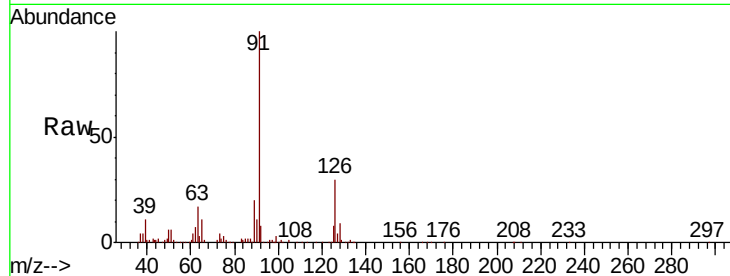
#79
 2-Chlorotoluene
 Concen: 22.35 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VF059776.D
 Acq: 2 Aug 2018 2:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
126	29.6	15.4	46.2

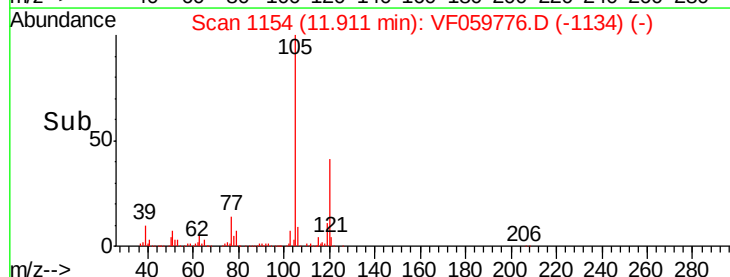
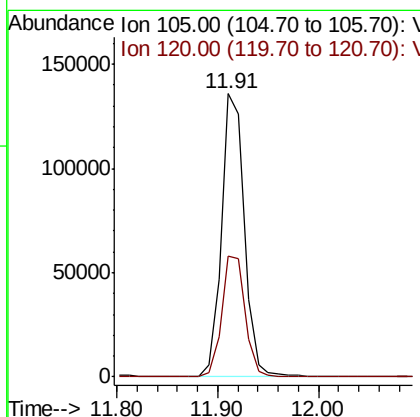
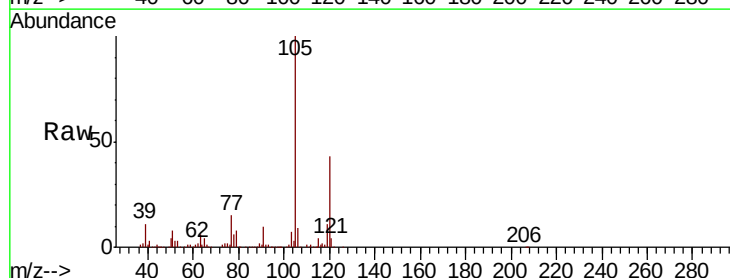
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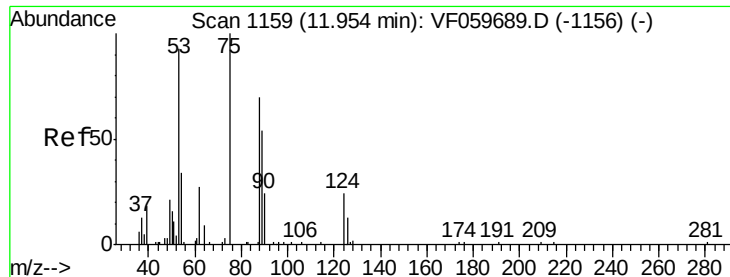
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#80
 1,3,5-Trimethylbenzene
 Concen: 23.60 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VF059776.D
 Acq: 2 Aug 2018 2:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.5	22.7	68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.83 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Instrument :

MSVOA_F

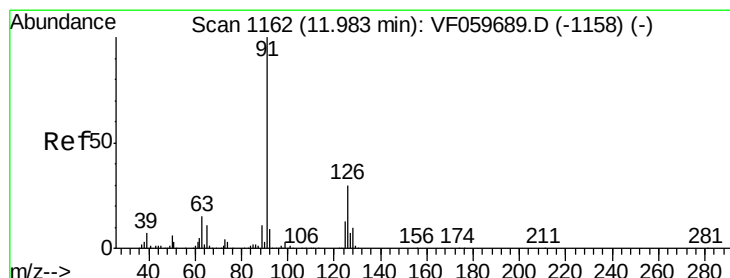
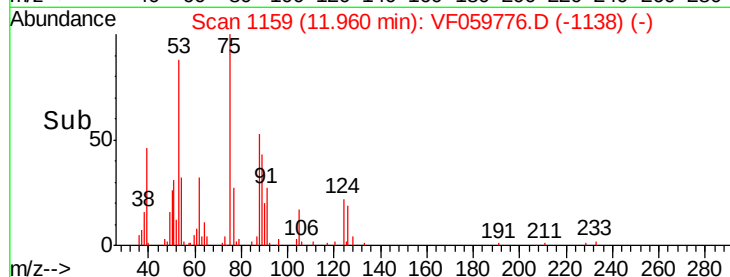
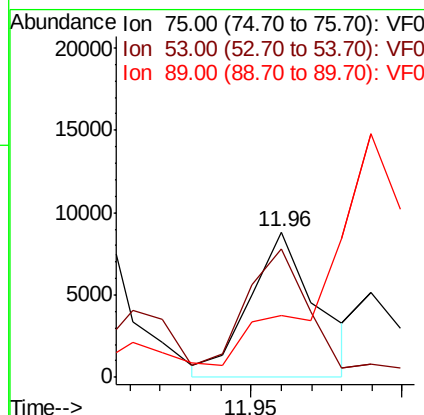
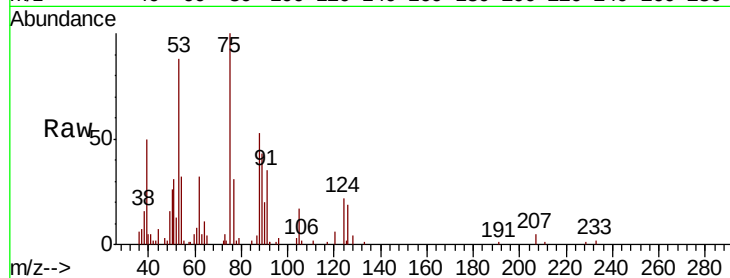
ClientSampleId :

VF0801SBS02

Tot Ion:	75	Resp:	13655
Ion Ratio	Lower	Upper	
75	100		
53	88.5	78.3	117.5
89	42.8	45.4	68.2#

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#82

4-Chlorotoluene

Concen: 22.55 ug/l

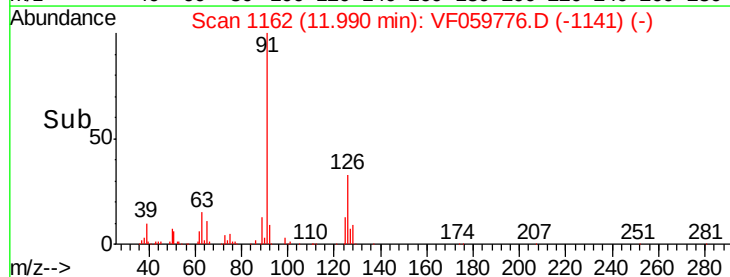
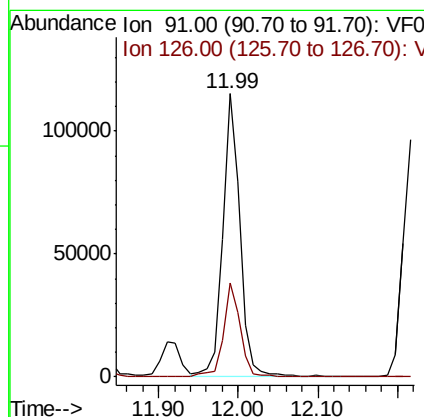
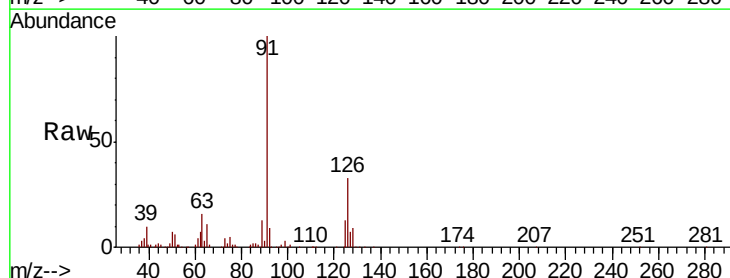
RT: 11.99 min Scan# 1162

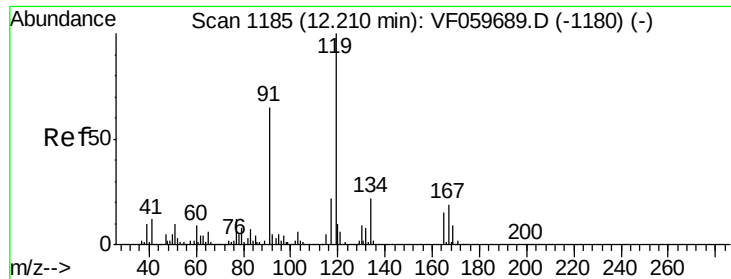
Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Tgt Ion:	91	Resp:	177245
Ion Ratio	Lower	Upper	
91	100		
126	33.2	15.2	45.6





#83

tert-Butylbenzene

Concen: 21.86 ug/l

RT: 12.22 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Instrument :

MSVOA_F

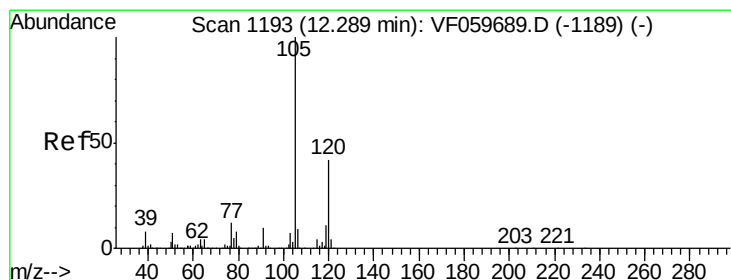
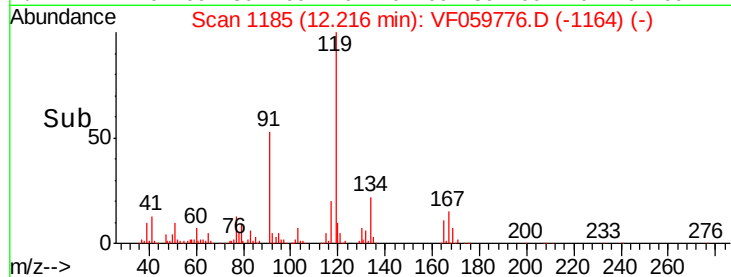
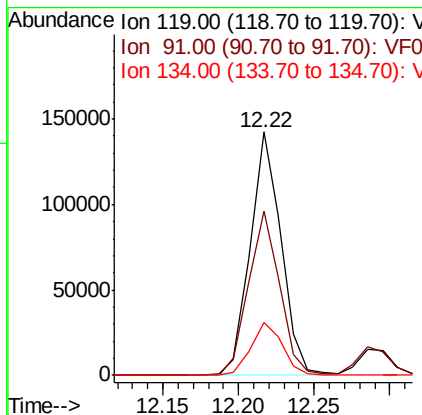
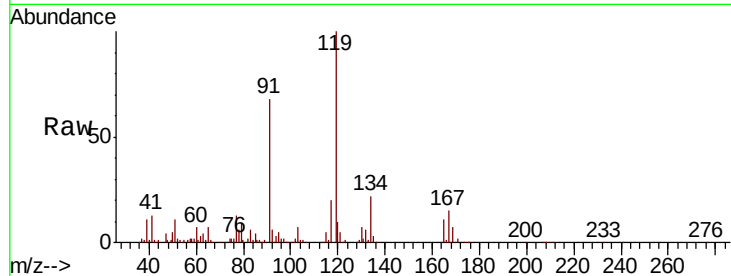
ClientSampleId :

VF0801SBS02

Tot Ion:	119	Resp:	203914
Ion Ratio	Lower	Upper	
119	100		
91	67.6	32.8	98.4
134	21.6	10.9	32.7

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#84

1,2,4-Trimethylbenzene

Concen: 23.69 ug/l

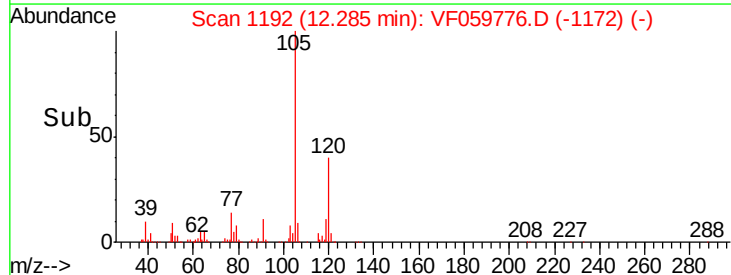
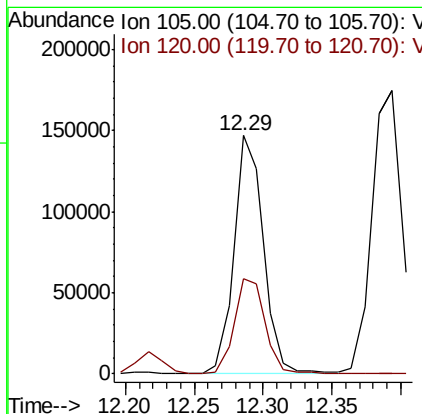
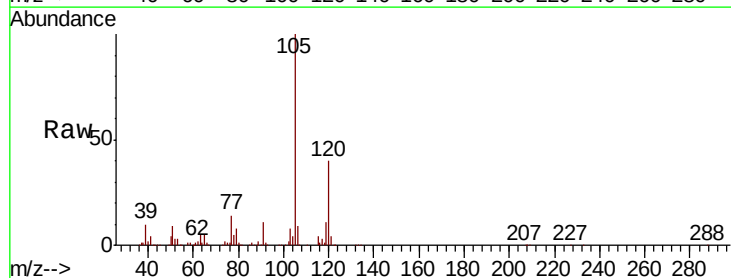
RT: 12.29 min Scan# 1192

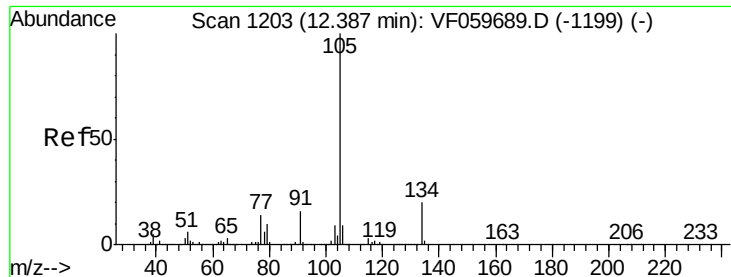
Delta R.T. -0.00 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Tgt Ion:	105	Resp:	218056
Ion Ratio	Lower	Upper	
105	100		
120	40.2	21.1	63.3





#85

sec-Butylbenzene

Concen: 22.57 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBS02

Tot Ion:105 Resp: 270889

Ion Ratio Lower Upper

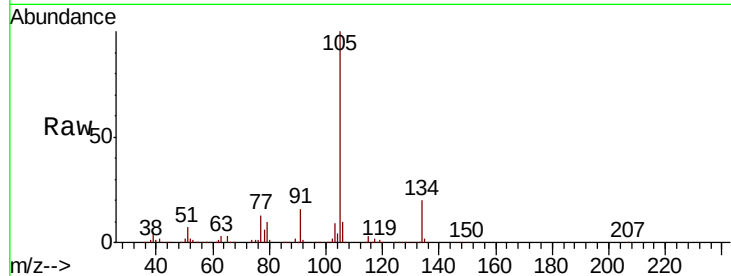
105 100

134 19.5 9.8 29.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

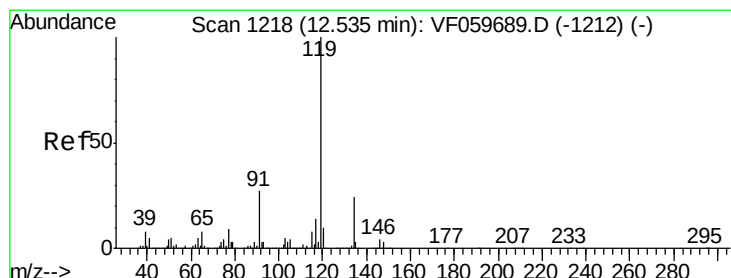
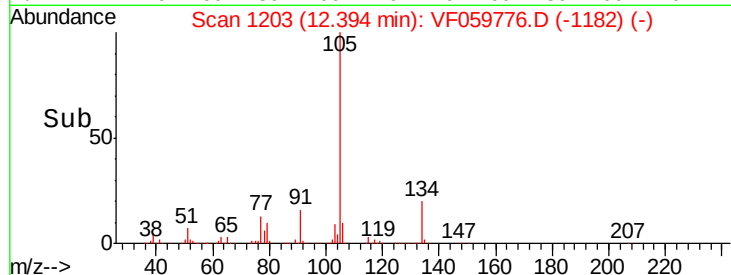
100000

50000

0

12.30 12.40 12.50

Time-->



#86

p-Isopropyltoluene

Concen: 23.12 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

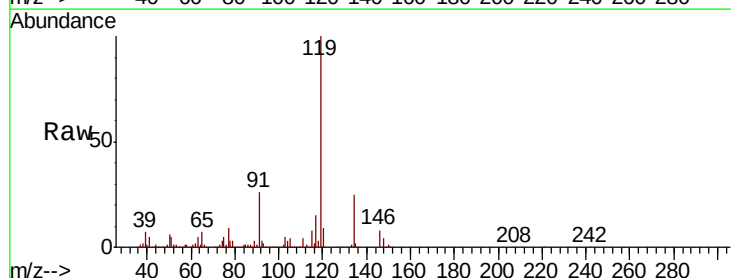
Tgt Ion:119 Resp: 241765

Ion Ratio Lower Upper

119 100

134 24.8 12.2 36.6

91 26.2 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

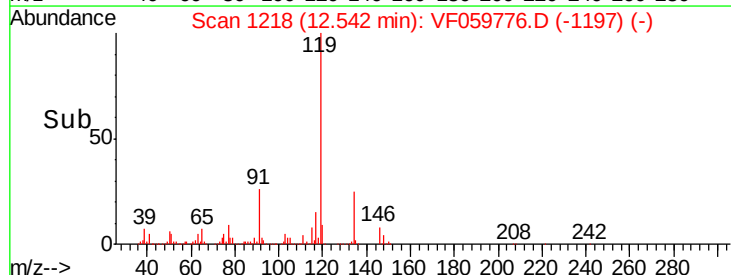
100000

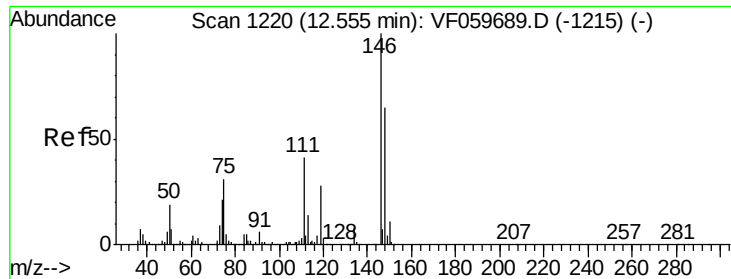
50000

0

12.40 12.50 12.60

Time-->





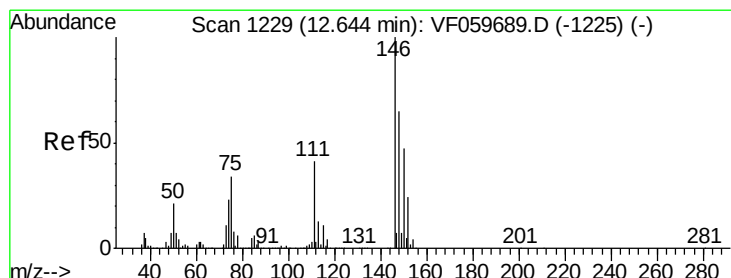
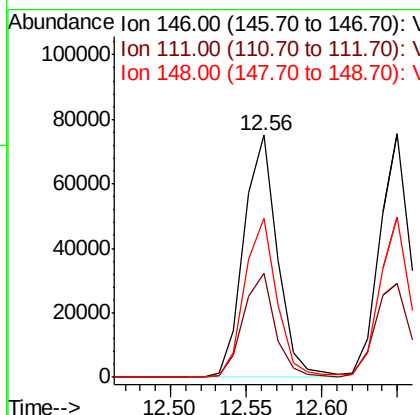
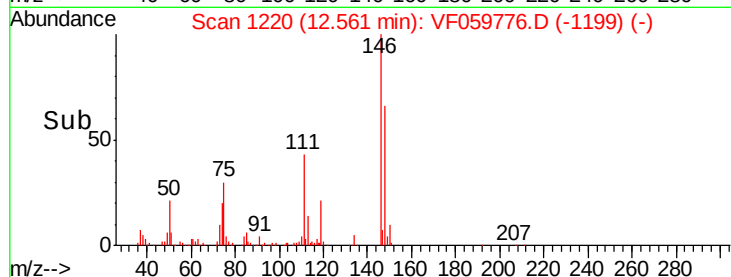
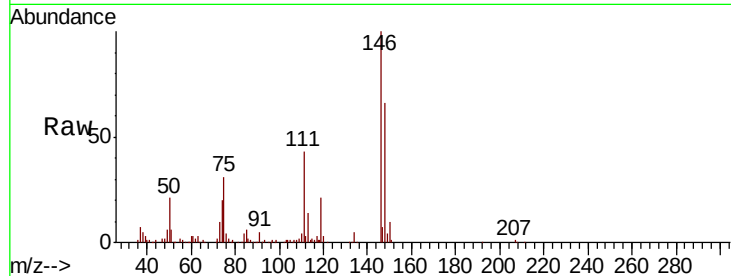
#87
 1,3-Dichlorobenzene
 Concen: 23.16 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059776.D
 Acq: 2 Aug 2018 2:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.7	62.1
148	65.8	32.3	96.8

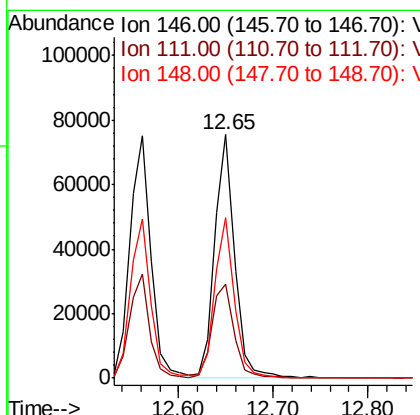
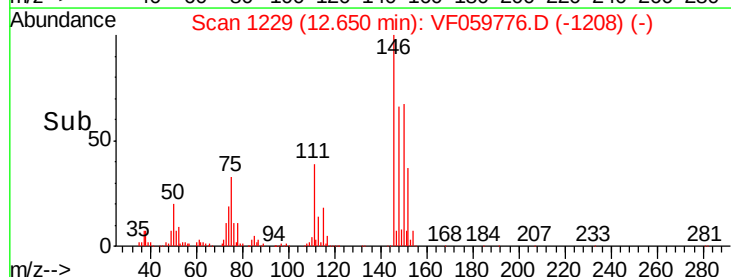
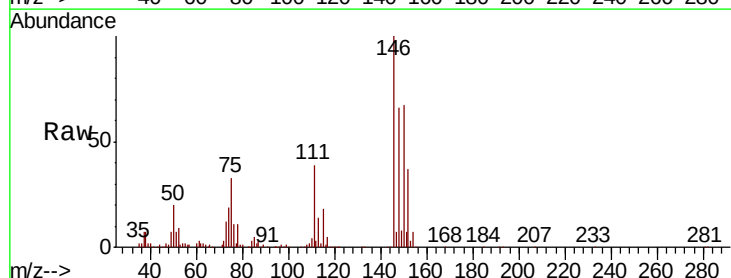
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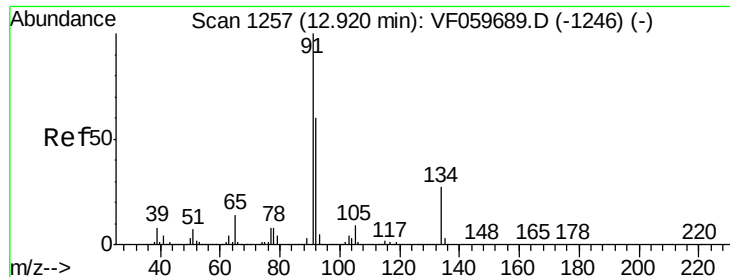
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#88
 1,4-Dichlorobenzene
 Concen: 22.61 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF059776.D
 Acq: 2 Aug 2018 2:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.8	62.2
148	65.7	32.3	96.9





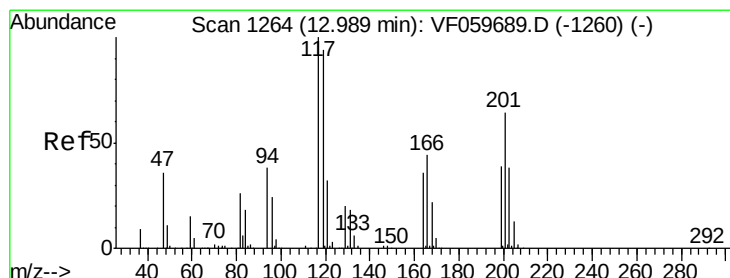
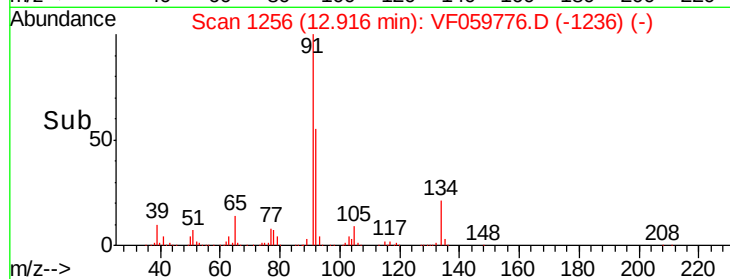
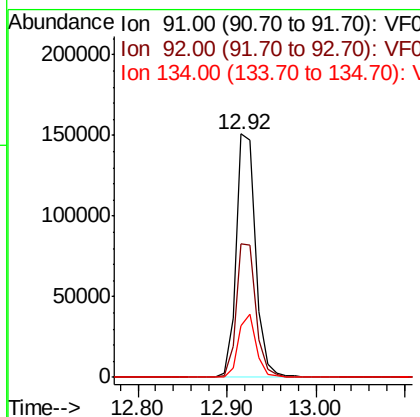
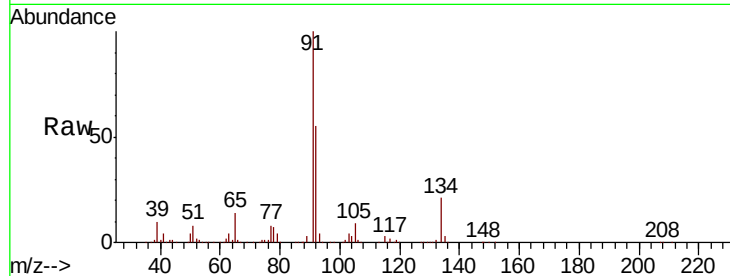
#89
n-Butylbenzene
Concen: 23.31 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	231592		
92	54.6	30.1	90.3	
134	21.3	13.7	41.0	

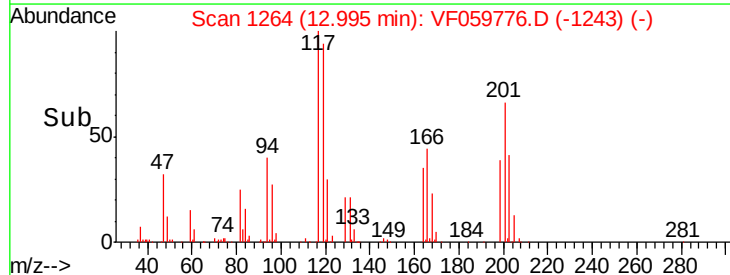
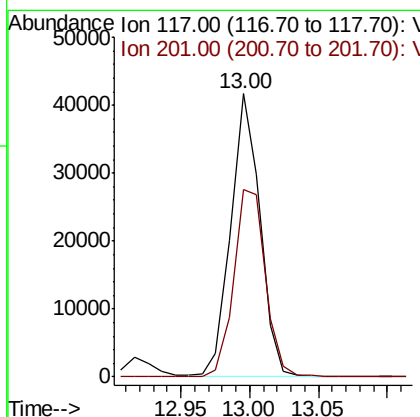
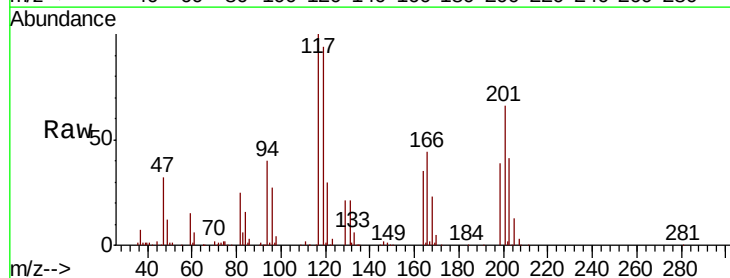
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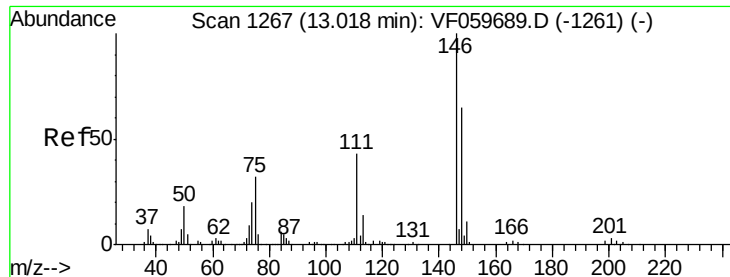
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#90
Hexachloroethane
Concen: 23.50 ug/l
RT: 13.00 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VF059776.D
Acq: 2 Aug 2018 2:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	61598		
201	67.8	31.9	95.5	





#91

1,2-Dichlorobenzene

Concen: 23.48 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Instrument :

MSVOA_F

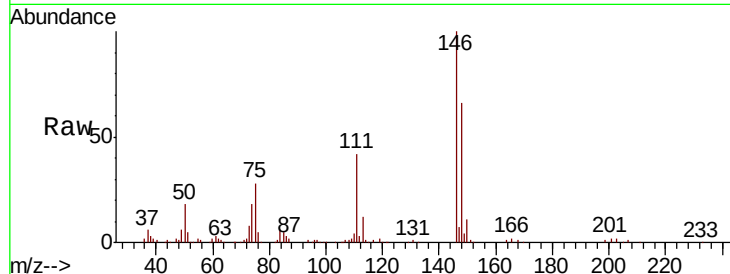
ClientSampleId :

VF0801SBS02

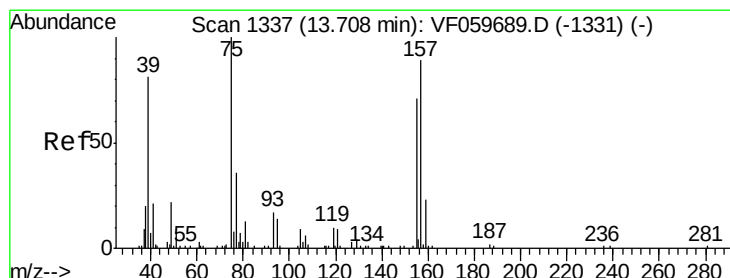
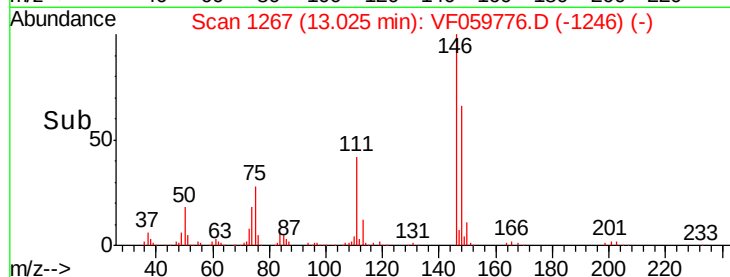
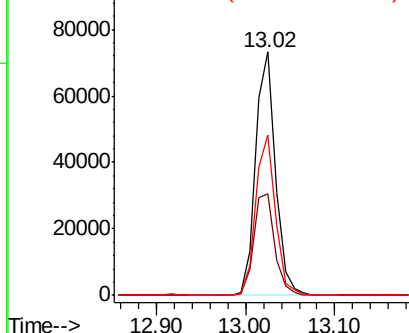
Tot Ion:	146	Resp:	111790
Ion Ratio	Lower	Upper	
146	100		
111	41.7	21.6	65.0
148	65.9	32.3	96.9

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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.62 ug/l

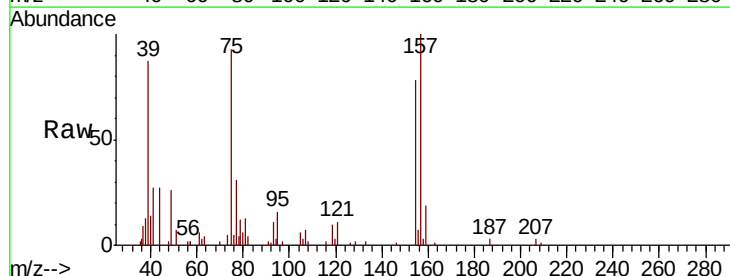
RT: 13.71 min Scan# 1337

Delta R.T. 0.01 min

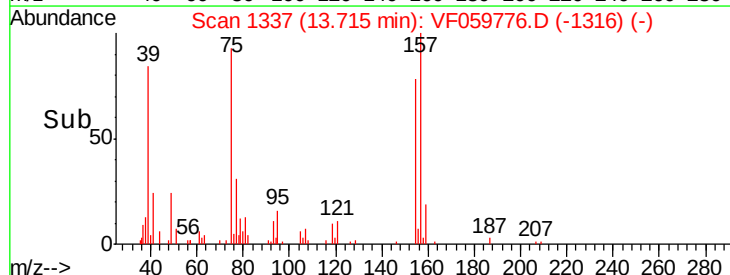
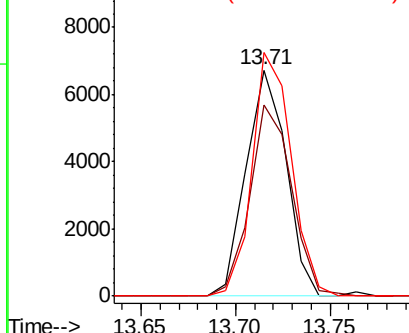
Lab File: VF059776.D

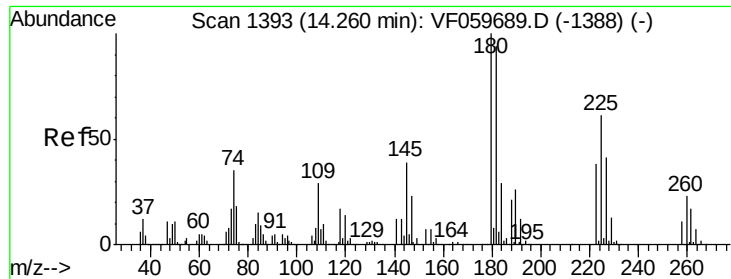
Acq: 2 Aug 2018 2:35

Tgt Ion:	75	Resp:	9857
Ion Ratio	Lower	Upper	
75	100		
155	84.2	35.4	106.2
157	107.6	44.4	133.2



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 155.00 (154.70 to 155.70): V
Ion 157.00 (156.70 to 157.70): V





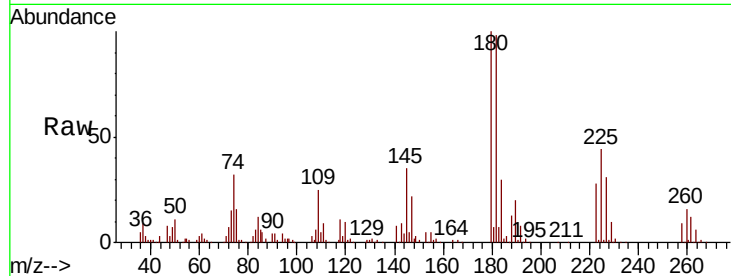
#93
 1,2,4-Trichlorobenzene
 Concen: 20.84 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059776.D
 Acq: 2 Aug 2018 2:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.1	47.2	141.6	
145	35.2	19.3	57.9	

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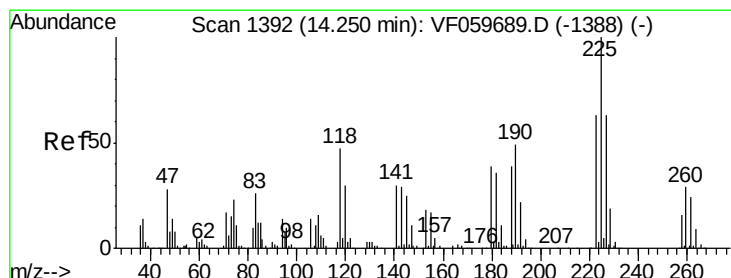
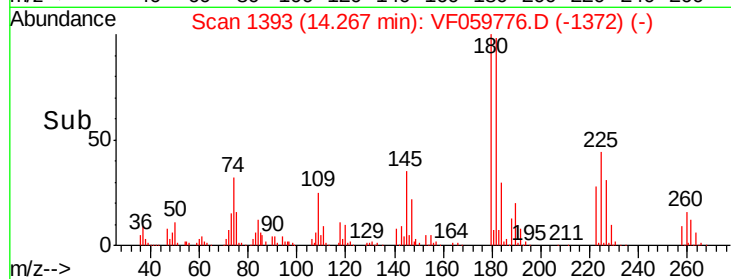
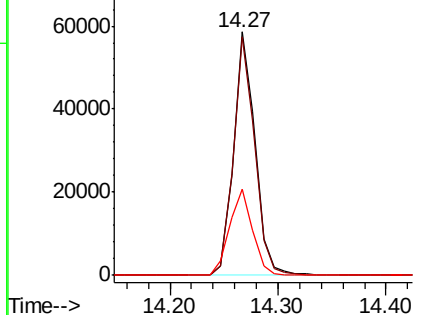


Abundance

Ion 180.00 (179.70 to 180.70): V

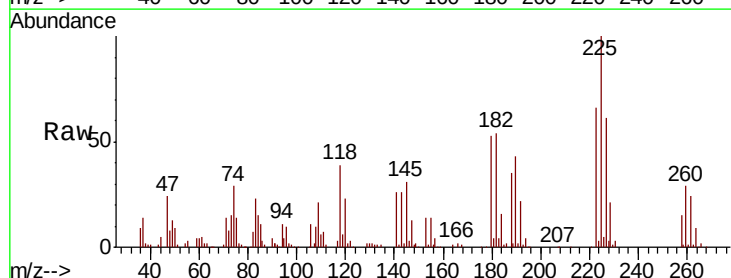
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 22.41 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VF059776.D
 Acq: 2 Aug 2018 2:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.6	31.4	94.2	
227	61.1	31.5	94.5	

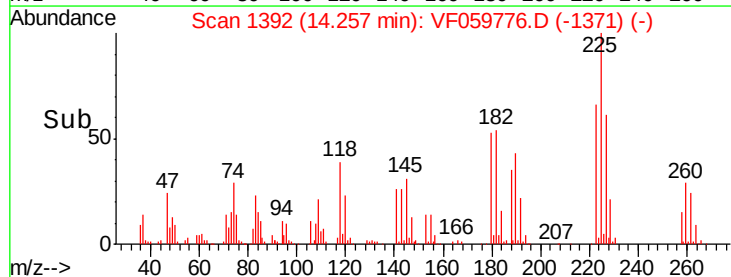
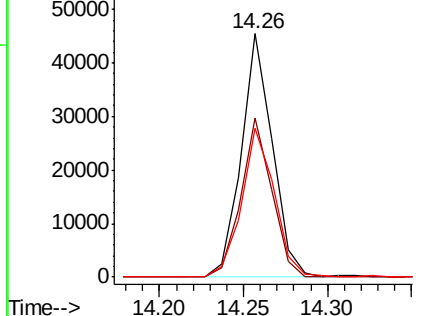


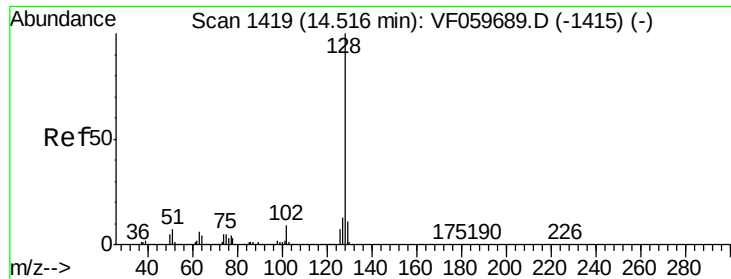
Abundance

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: 22.46 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Instrument :

MSVOA_F

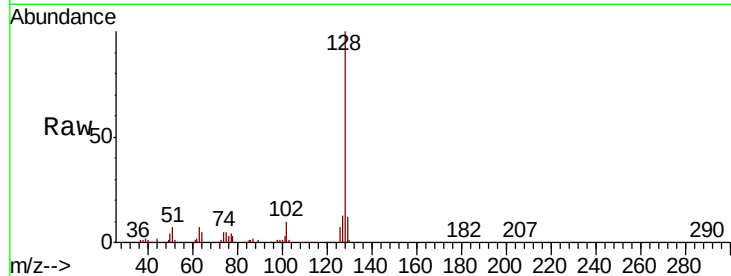
ClientSampleId :

VF0801SBS02

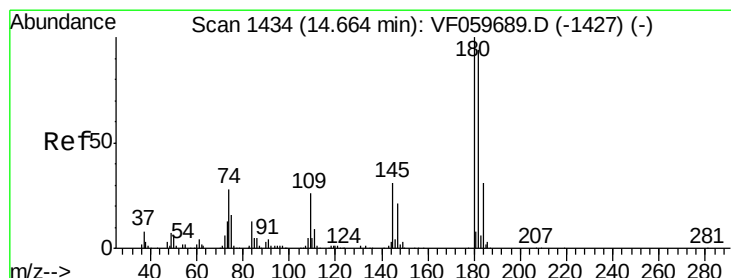
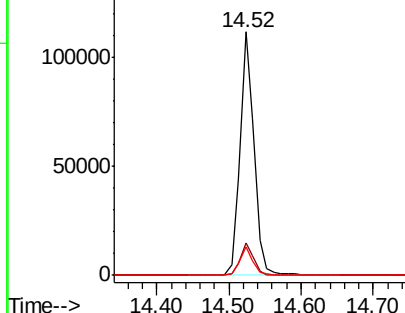
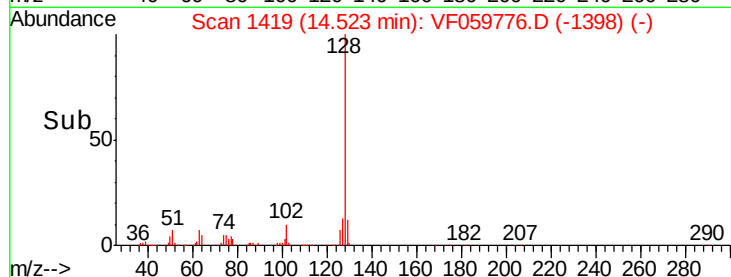
Tot Ion:	128	Resp:	153347
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.0	15.0
129	11.6	8.6	13.0

Manual Integrations
APPROVED

apatel
8/10/2018 3:51:06 PM



Abundance Ion 128.00 (127.70 to 128.70): V
150000
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.77 ug/l

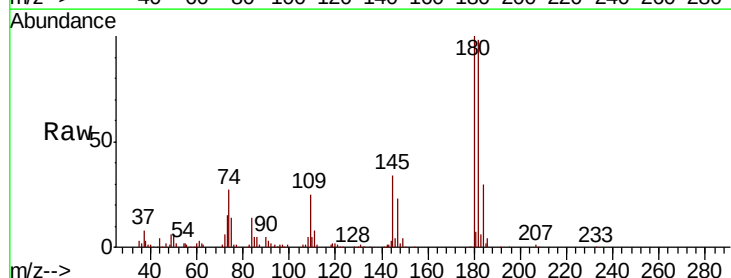
RT: 14.67 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VF059776.D

Acq: 2 Aug 2018 2:35

Tgt Ion:	180	Resp:	78381
Ion Ratio	Lower	Upper	
180	100		
182	98.0	47.2	141.6
145	33.9	15.6	46.7



Abundance Ion 180.00 (179.70 to 180.70): V
60000
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

