

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120618\
 Data File : VF060913.D
 Acq On : 6 Dec 2018 13:16
 Operator : VA/AP
 Sample : VF1206SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1206SBS01

Manual Integrations
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 12/7/2018 12:07:33 PM

Quant Time: Dec 06 16:10:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	186366	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	314179	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	295326	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	163540	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	118268	53.87	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	107.74%	
35) Dibromofluoromethane	4.10	113	127792	51.27	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	102.54%	
50) Toluene-d8	7.54	98	358279	48.80	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	97.60%	
62) 4-Bromofluorobenzene	11.41	95	166459	49.88	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	99.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.95	85	63933	22.943	ug/l	94
3) Chloromethane	1.10	50	39849	21.976	ug/l	92
4) Vinyl Chloride	1.14	62	38645	22.848	ug/l	92
5) Bromomethane	1.33	94	29679	24.885	ug/l	100
6) Chloroethane	1.38	64	17521	23.964	ug/l	99
7) Trichlorofluoromethane	1.49	101	87270	24.048	ug/l	94
8) Diethyl Ether	1.62	74	11782	22.578	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	43304	23.604	ug/l	89
10) Methyl Iodide	1.89	142	67799m	24.313	ug/l	
11) Tert butyl alcohol	2.57	59	10327	114.748	ug/l	95
12) 1,1-Dichloroethene	1.78	96	33185	22.488	ug/l	93
13) Acrolein	1.99	56	7230	84.790	ug/l	97
14) Allyl chloride	2.09	41	43695	23.757	ug/l	97
15) Acrylonitrile	2.94	53	24425	121.056	ug/l	99
16) Acetone	2.23	43	49984	123.462	ug/l #	92
17) Carbon Disulfide	1.83	76	93342m	23.591	ug/l	
18) Methyl Acetate	2.34	43	18319	26.184	ug/l #	90
19) Methyl tert-butyl Ether	2.42	73	72721	21.880	ug/l	92
20) Methylene Chloride	2.23	84	39245m	26.423	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	34985	24.591	ug/l	99
22) Diisopropyl ether	2.79	45	118431	23.656	ug/l #	99
23) Vinyl Acetate	3.18	43	283396	123.834	ug/l	97
24) 1,1-Dichloroethane	2.87	63	72503	24.341	ug/l	100
25) 2-Butanone	4.33	43	77110	110.117	ug/l	97
26) 2,2-Dichloropropane	3.59	77	47392	24.541	ug/l	90
27) cis-1,2-Dichloroethene	3.47	96	55557	23.987	ug/l	97
28) Bromochloromethane	3.71	49	35116	24.565	ug/l	97
29) Tetrahydrofuran	4.07	42	34012	114.585	ug/l	96
30) Chloroform	3.85	83	108394	23.644	ug/l	100
31) Cyclohexane	3.69	56	76226	24.658	ug/l	97
32) 1,1,1-Trichloroethane	4.09	97	70094	22.047	ug/l	99
36) 1,1-Dichloropropene	4.27	75	78865	22.631	ug/l	96
37) Ethyl Acetate	4.10	43	30366	21.443	ug/l #	76
38) Carbon Tetrachloride	3.98	117	67459	21.917	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	92418	25.306	ug/l	90
40) Benzene	4.62	78	175189	22.756	ug/l	97
41) Methacrylonitrile	4.74	41	15572	18.819	ug/l	89
42) 1,2-Dichloroethane	4.94	62	62949	22.397	ug/l	93
43) Isopropyl Acetate	6.96	43	38363	20.343	ug/l #	99
44) Trichloroethene	5.49	130	57697	22.921	ug/l	99
45) 1,2-Dichloropropane	6.23	63	46758	23.386	ug/l	99
46) Dibromomethane	6.07	93	28231	20.814	ug/l	94
47) Bromodichloromethane	6.38	83	81358	22.584	ug/l	98
48) Methyl methacrylate	6.71	41	26327	20.539	ug/l	89
49) 1,4-Dioxane	6.69	88	3703	394.720	ug/l #	90
51) 4-Methyl-2-Pentanone	8.25	43	140251	107.399	ug/l	98
52) Toluene	7.62	92	116952	21.627	ug/l	97
53) t-1,3-Dichloropropene	8.27	75	61855	21.109	ug/l	95
54) cis-1,3-Dichloropropene	7.30	75	82047	22.617	ug/l	95
55) 1,1,2-Trichloroethane	8.48	97	35272	22.385	ug/l	92
56) Ethyl methacrylate	8.62	69	36683	20.957	ug/l	93
57) 1,3-Dichloropropane	8.84	76	62715	22.750	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.29	63	24997	139.616	ug/l	96
59) 2-Hexanone	9.49	43	101957	111.287	ug/l	96
60) Dibromochloromethane	8.71	129	49759	21.194	ug/l	98
61) 1,2-Dibromoethane	8.98	107	35729	20.990	ug/l	95
64) Tetrachloroethene	8.14	164	49625	22.000	ug/l	94
65) Chlorobenzene	9.79	112	127489	22.190	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	54761	22.172	ug/l	94
67) Ethyl Benzene	9.89	91	258388	24.158	ug/l	100
68) m/p-Xylenes	10.13	106	179473	46.654	ug/l	99
69) o-Xylene	10.71	106	97813	23.058	ug/l	93
70) Styrene	10.79	104	137983	23.465	ug/l	98
71) Bromoform	10.77	173	25976	21.773	ug/l #	87
73) Isopropylbenzene	11.12	105	296695	22.957	ug/l	99
74) N-amyl acetate	11.37	43	60852	20.391	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	44807	21.066	ug/l	95
76) 1,2,3-Trichloropropane	11.79	75	33255	21.510	ug/l	99
77) Bromobenzene	11.49	156	56006	19.766	ug/l	78
78) n-propylbenzene	11.59	91	340567	22.502	ug/l	99
79) 2-Chlorotoluene	11.71	91	197066	22.708	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	232029	22.115	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	14658m	19.351	ug/l	
82) 4-Chlorotoluene	11.89	91	203567	22.290	ug/l	97
83) tert-Butylbenzene	12.13	119	244889	22.914	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	234224	22.369	ug/l	97
85) sec-Butylbenzene	12.30	105	331596	22.665	ug/l	98
86) p-Isopropyltoluene	12.45	119	281726	22.968	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	116027	21.528	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	115365	21.965	ug/l	98
89) n-Butylbenzene	12.84	91	297518	23.988	ug/l	96
90) Hexachloroethane	12.91	117	66597	22.547	ug/l	91
91) 1,2-Dichlorobenzene	12.94	146	113541	22.246	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	7798	18.963	ug/l	89

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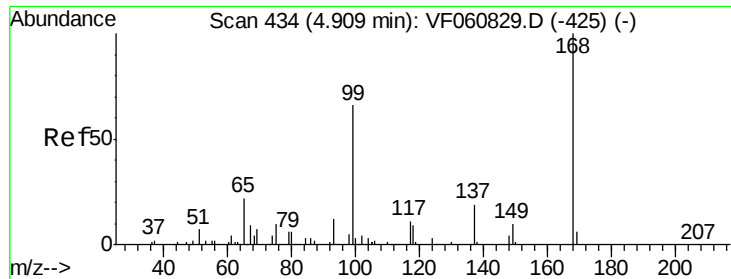
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	80513	22.577	ug/l	95
94) Hexachlorobutadiene	14.19	225	51632	21.719	ug/l	96
95) Naphthalene	14.45	128	132771	16.863	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	69100	20.868	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.05 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion:168 Resp: 186366

Ion Ratio Lower Upper

168 100

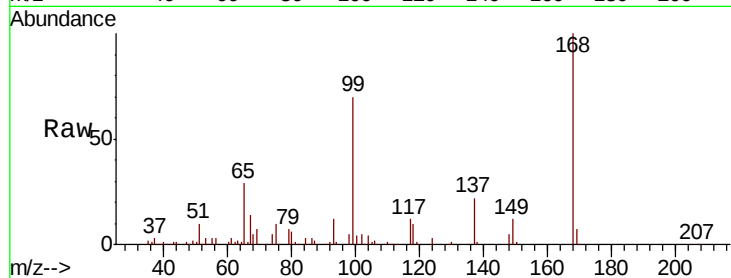
99 70.2 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

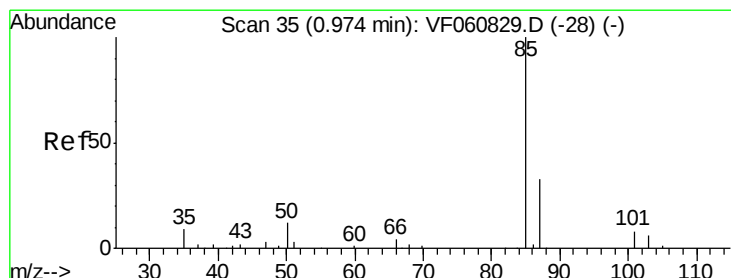
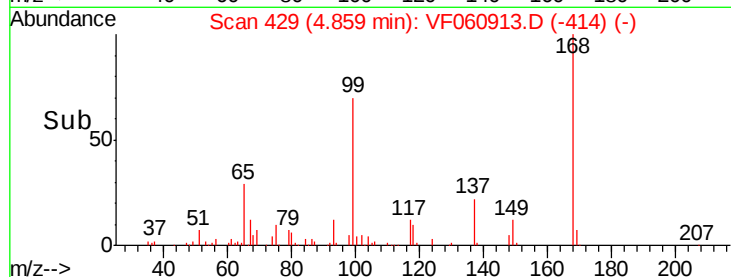
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.943 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.02 min

Lab File: VF060913.D

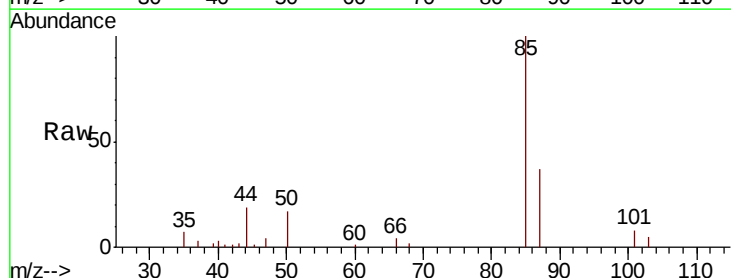
Acq: 6 Dec 2018 13:16

Tgt Ion: 85 Resp: 63933

Ion Ratio Lower Upper

85 100

87 36.8 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

20000

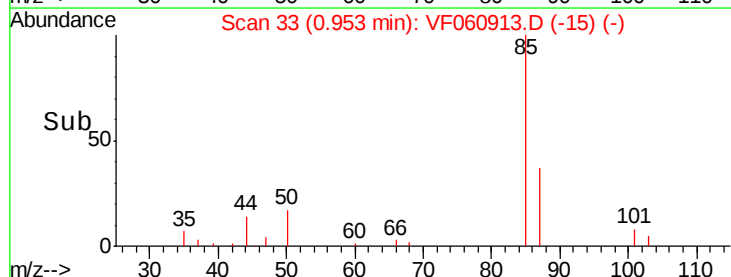
15000

10000

5000

0

Time-->





#3

Chloromethane

Concen: 21.976 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion: 50 Resp: 39849

Ion Ratio Lower Upper

50 100

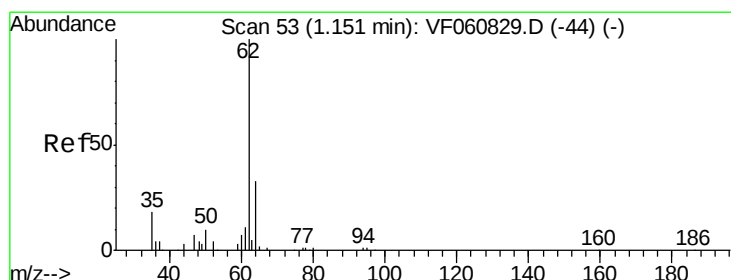
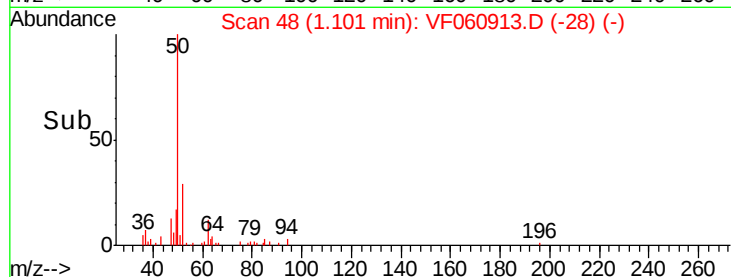
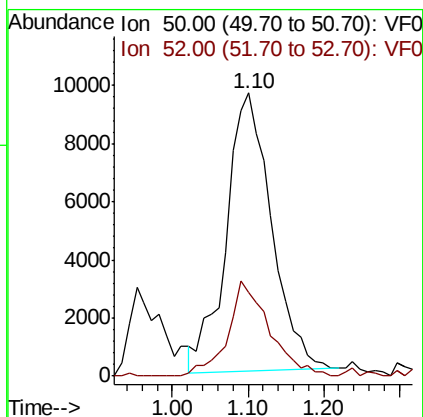
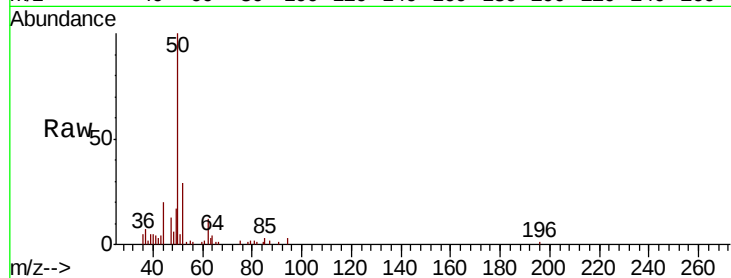
52 29.4 27.0 40.4

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#4

Vinyl Chloride

Concen: 22.848 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060913.D

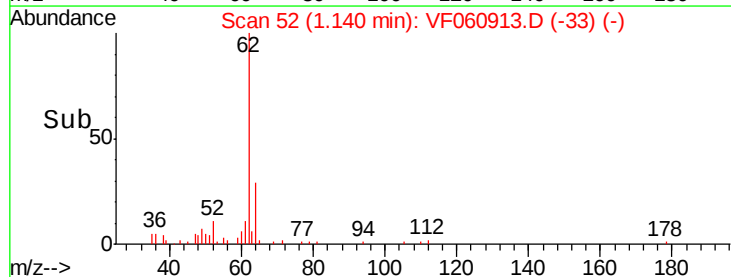
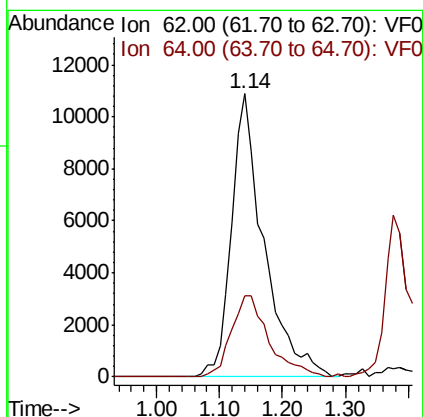
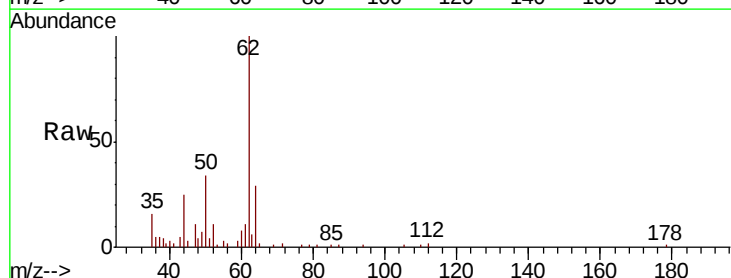
Acq: 6 Dec 2018 13:16

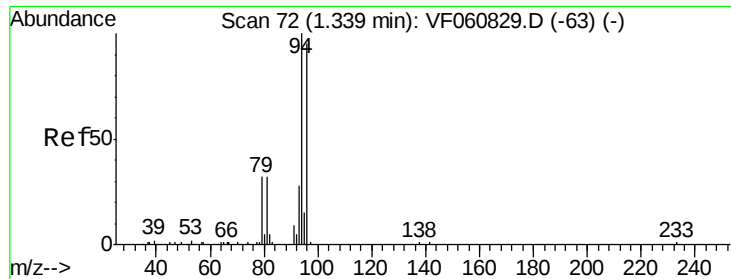
Tgt Ion: 62 Resp: 38645

Ion Ratio Lower Upper

62 100

64 28.7 26.4 39.6





#5

Bromomethane

Concen: 24.885 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion: 94 Resp: 29679

Ion Ratio Lower Upper

94 100

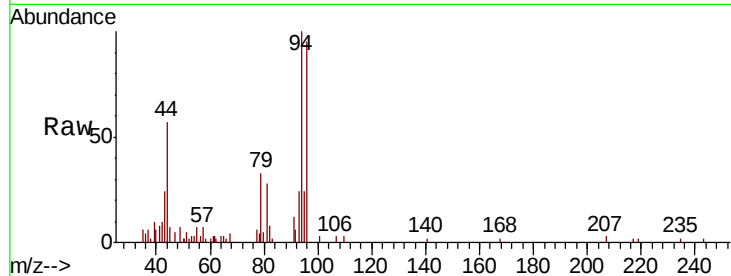
96 94.9 75.9 113.9

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

6000

5000

4000

3000

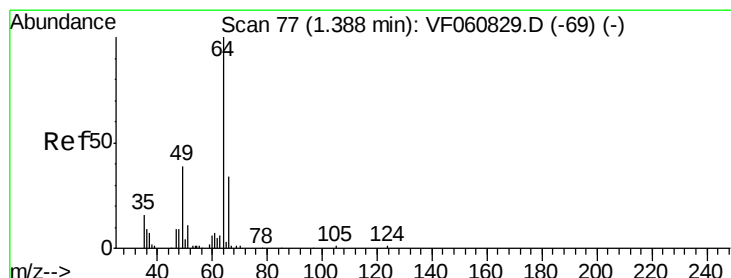
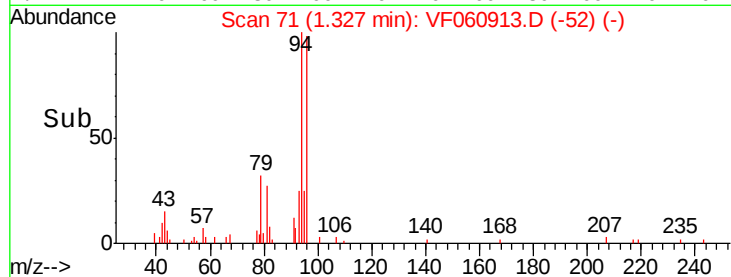
2000

1000

0

1.20 1.30 1.40 1.50

Time-->



#6

Chloroethane

Concen: 23.964 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF060913.D

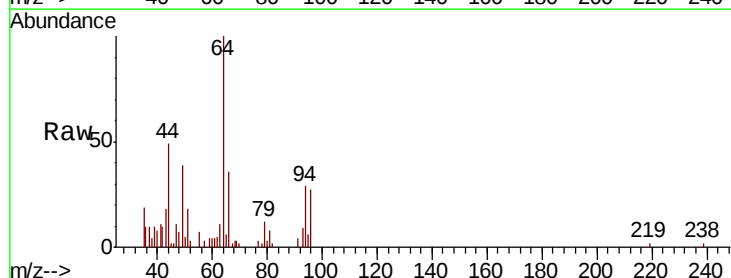
Acq: 6 Dec 2018 13:16

Tgt Ion: 64 Resp: 17521

Ion Ratio Lower Upper

64 100

66 35.7 28.1 42.1



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

6000

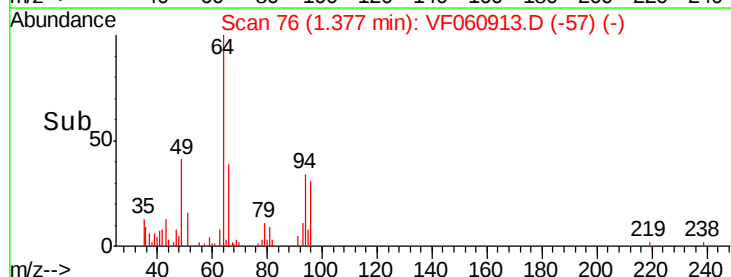
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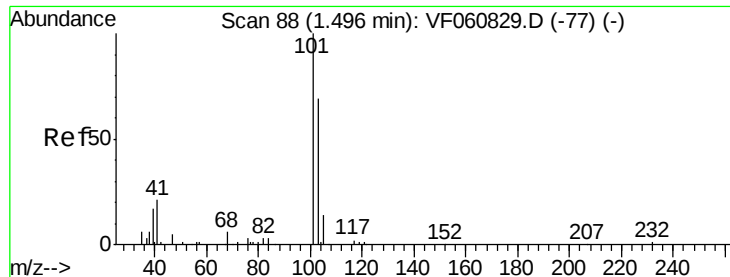
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0

1.30 1.40 1.50

Time-->





#7

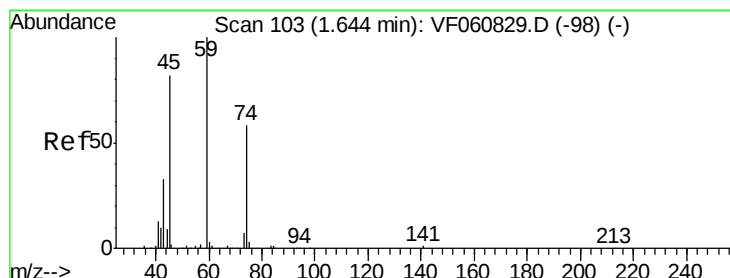
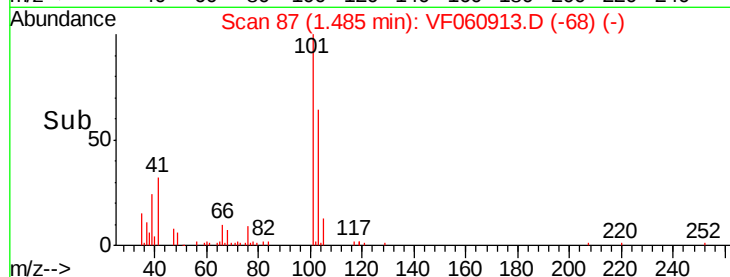
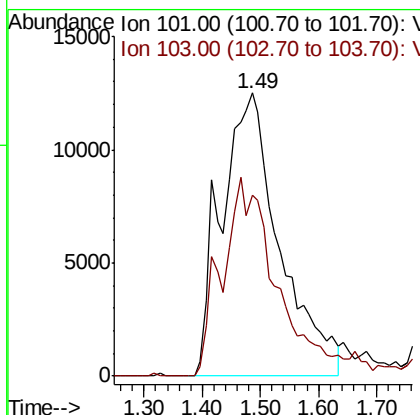
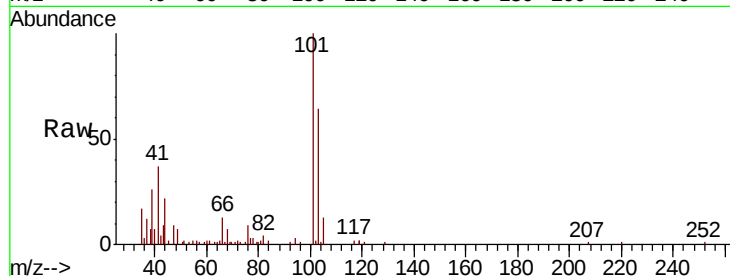
Trichlorofluoromethane
Concen: 24.048 ug/l
RT: 1.49 min Scan# 87
Delta R.T. -0.01 min
Lab File: VF060913.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	55.4	83.0

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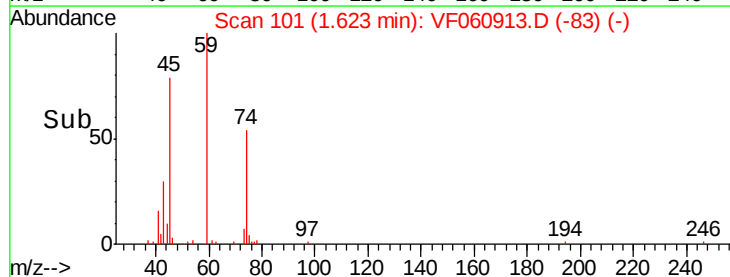
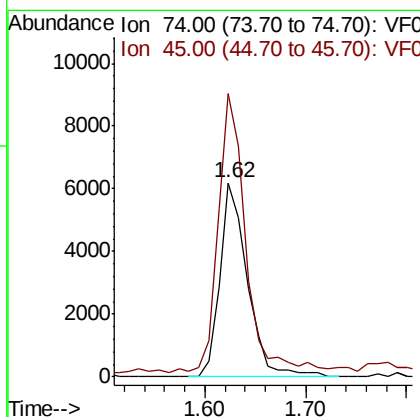
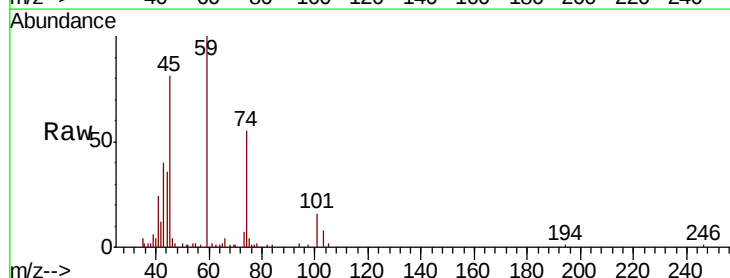
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#8

Diethyl Ether
Concen: 22.578 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.02 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	146.0	71.0	212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.604 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

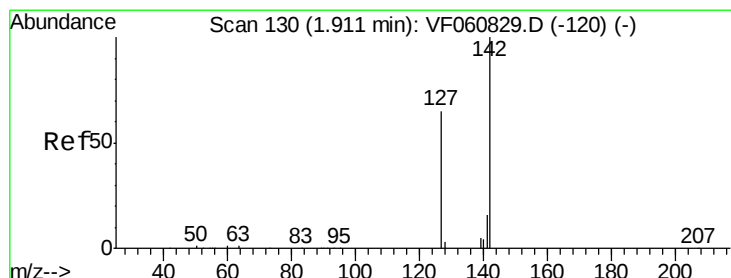
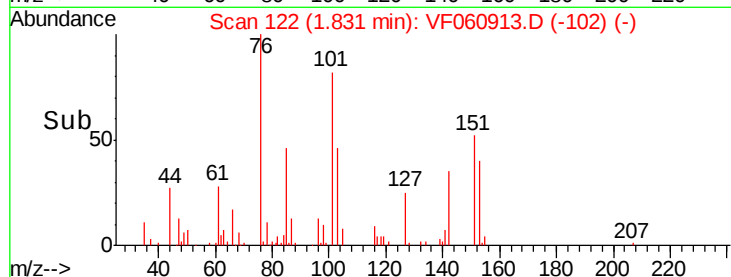
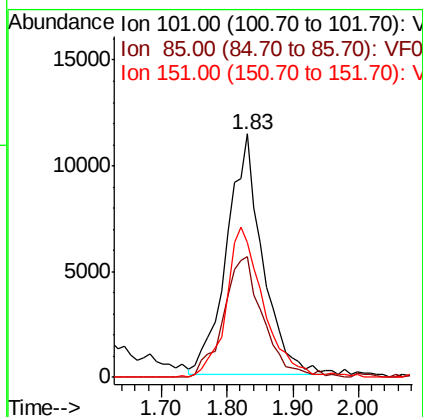
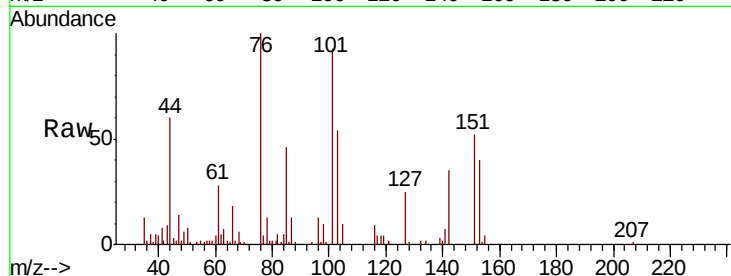
ClientSampleId :

VF1206SBS01

Tot Ion:	101	Resp:	43304
Ion Ratio	Lower	Upper	
101	100		
85	49.8	42.8	64.2
151	55.6	54.4	81.6

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#10

Methyl Iodide

Concen: 24.313 ug/l m

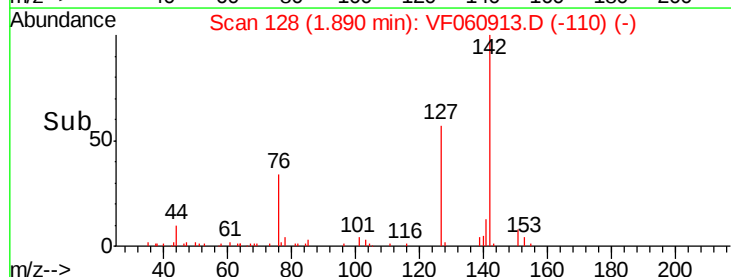
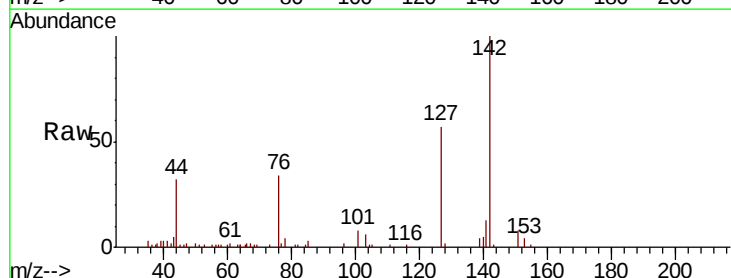
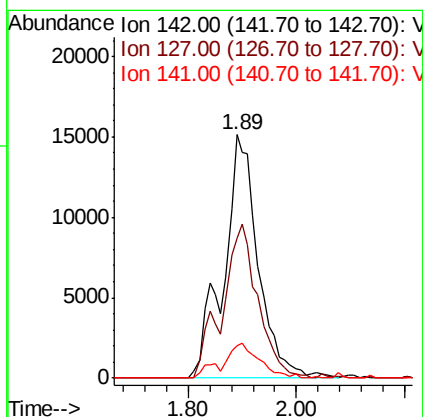
RT: 1.89 min Scan# 128

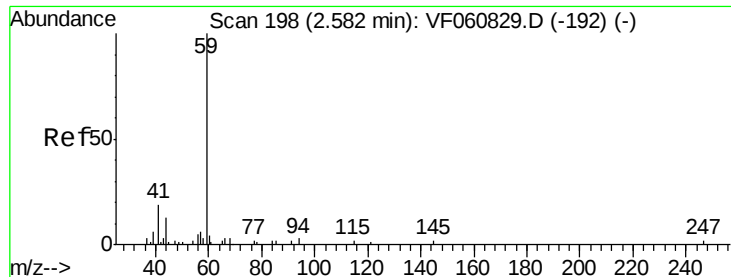
Delta R.T. -0.02 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Tgt Ion:	142	Resp:	67799
Ion Ratio	Lower	Upper	
142	100		
127	57.4	51.9	77.9
141	13.4	12.7	19.1





#11

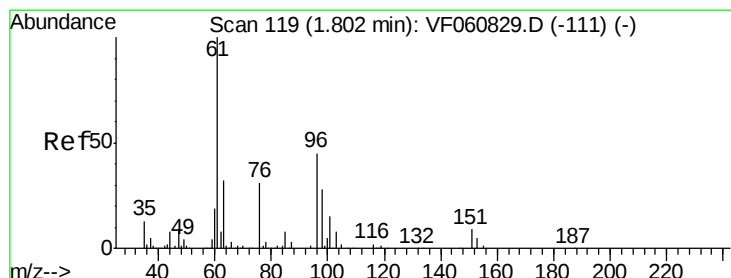
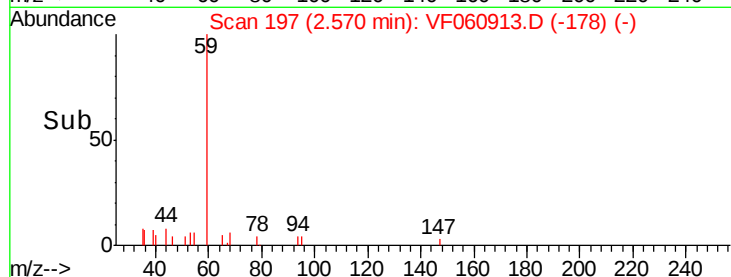
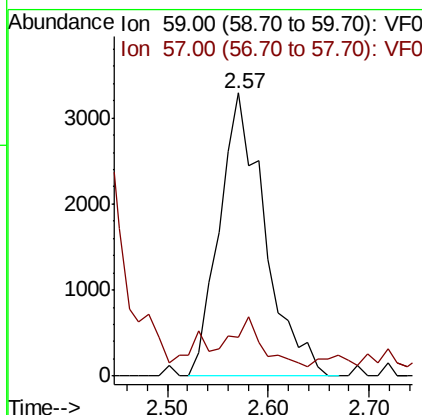
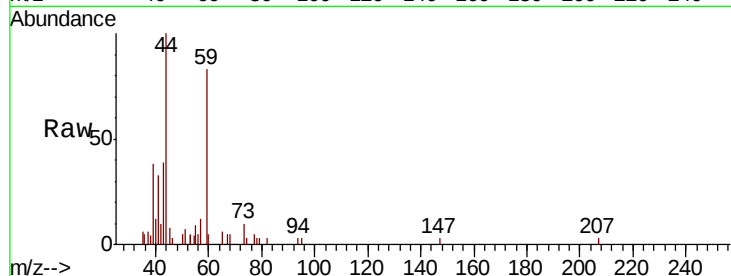
Tert butyl alcohol
 Concen: 114.748 ug/l
 RT: 2.57 min Scan# 197
 Delta R.T. -0.01 min
 Lab File: VF060913.D
 Acq: 6 Dec 2018 13:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1206SBS01

Tot Ion: 59 Resp: 10327
 Ion Ratio Lower Upper
 59 100
 57 14.0 12.7 19.1

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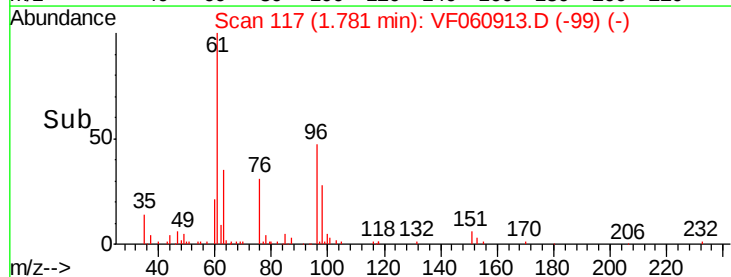
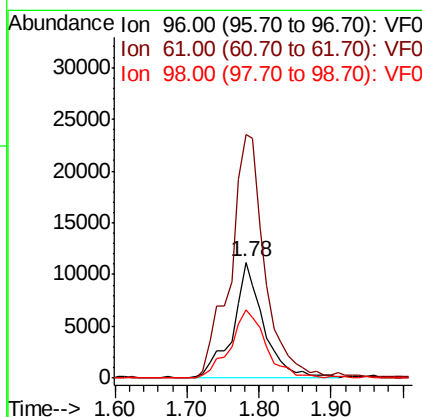
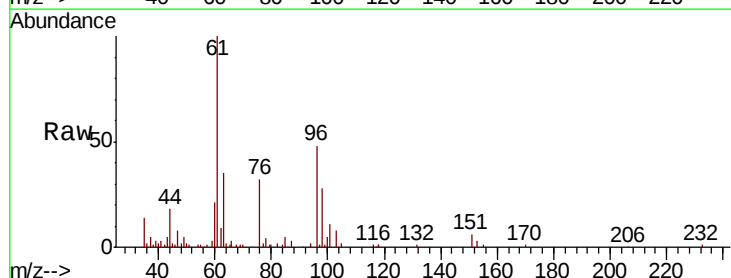
apatel
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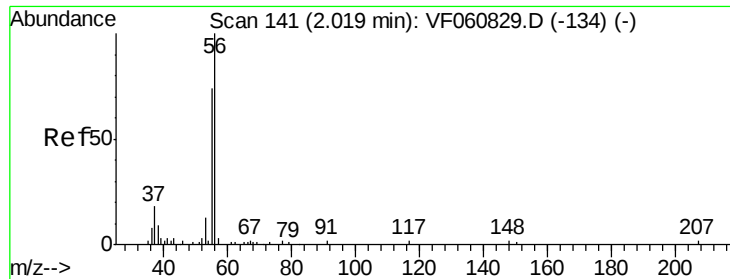


#12

1,1-Dichloroethene
 Concen: 22.488 ug/l
 RT: 1.78 min Scan# 117
 Delta R.T. -0.02 min
 Lab File: VF060913.D
 Acq: 6 Dec 2018 13:16

Tgt Ion: 96 Resp: 33185
 Ion Ratio Lower Upper
 96 100
 61 209.8 177.3 265.9
 98 58.8 49.6 74.4





#13

Acrolein

Concen: 84.790 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.03 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion: 56 Resp: 7230

Ion Ratio Lower Upper

56 100

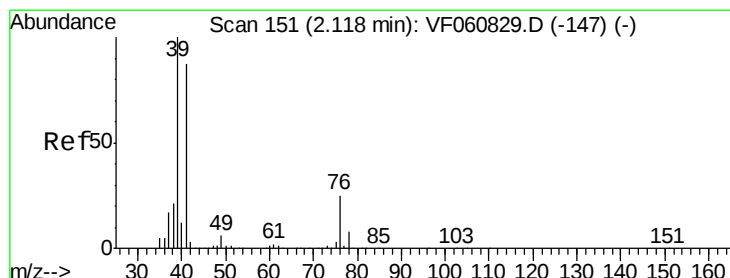
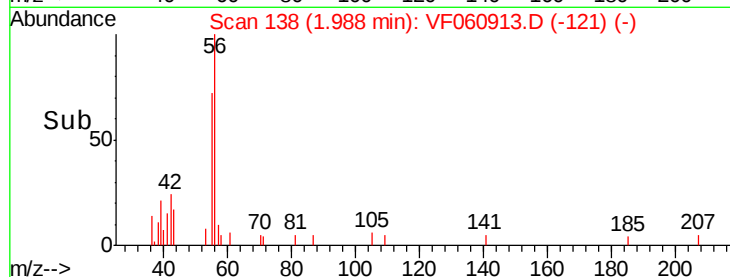
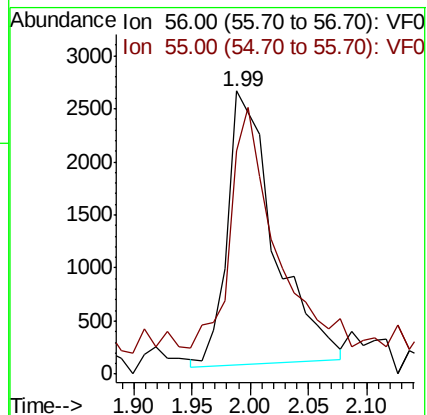
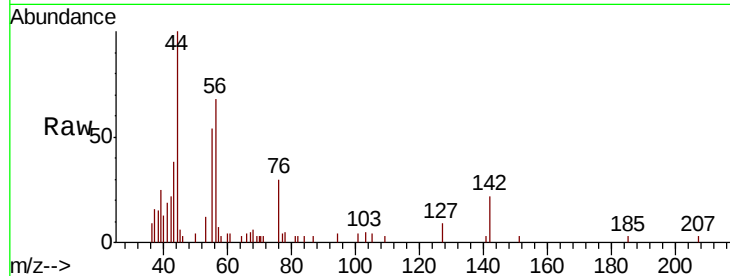
55 79.0 61.2 91.8

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#14

Allyl chloride

Concen: 23.757 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.03 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

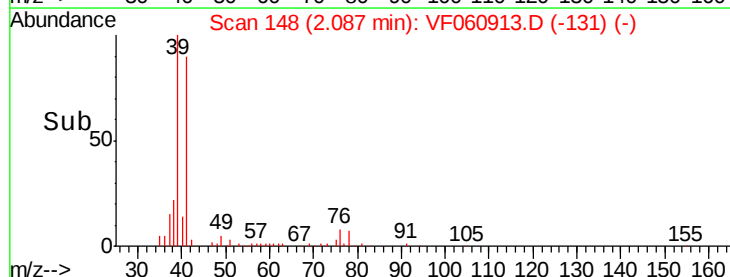
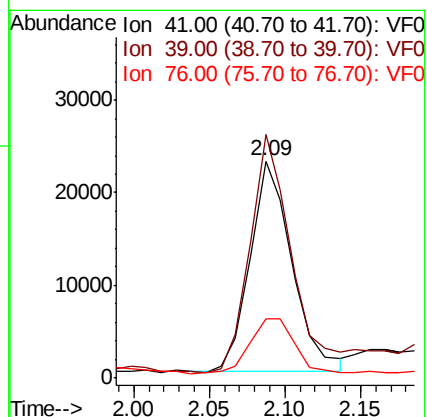
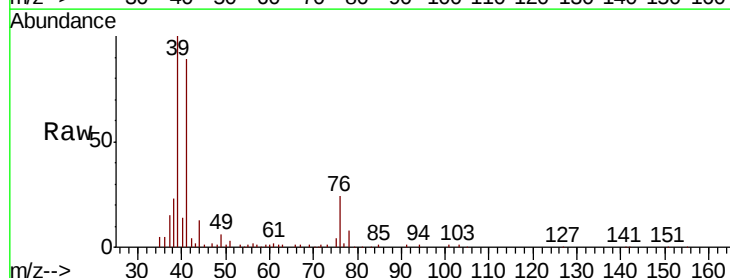
Tgt Ion: 41 Resp: 43695

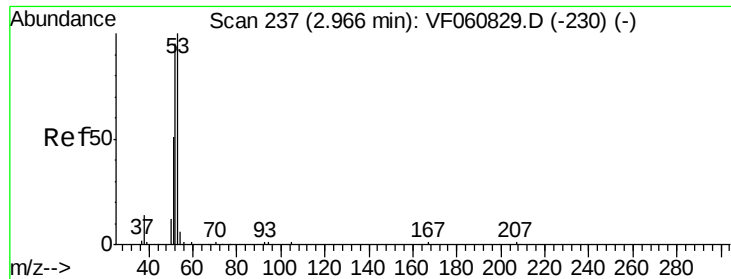
Ion Ratio Lower Upper

41 100

39 112.3 91.7 137.5

76 27.1 23.5 35.3





#15

Acrylonitrile

Concen: 121.056 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.03 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

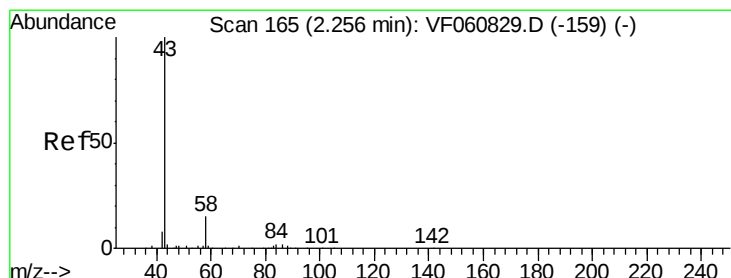
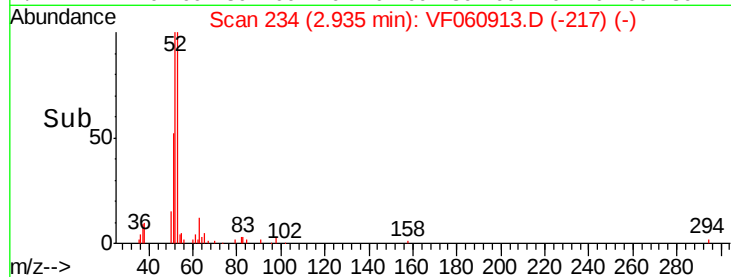
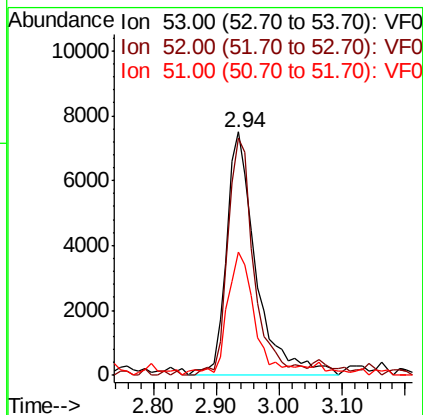
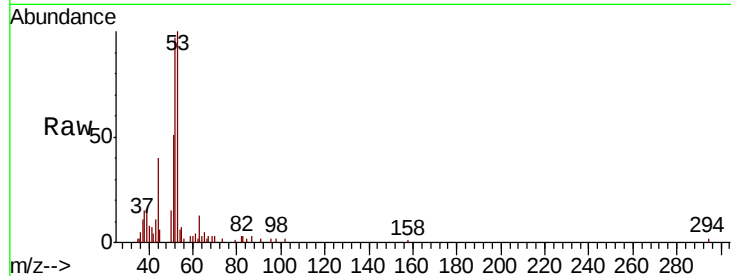
ClientSampleId :

VF1206SBS01

Tot Ion:	53	Resp:	24425
Ion	Ratio	Lower	Upper
53	100		
52	97.4	76.5	114.7
51	50.7	40.7	61.1

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#16

Acetone

Concen: 123.462 ug/l

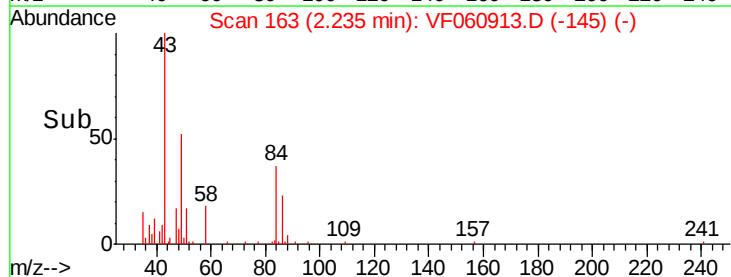
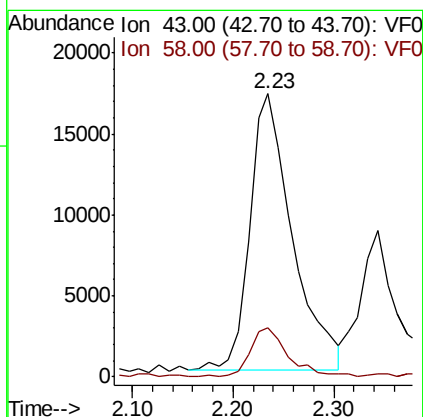
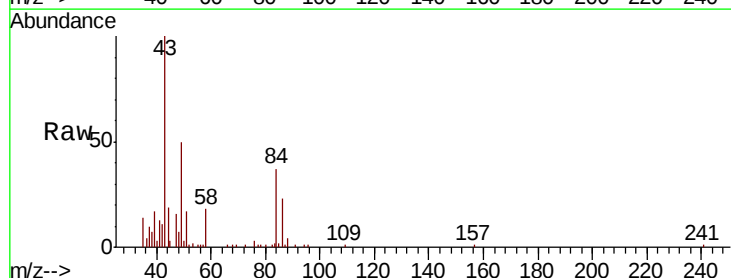
RT: 2.23 min Scan# 163

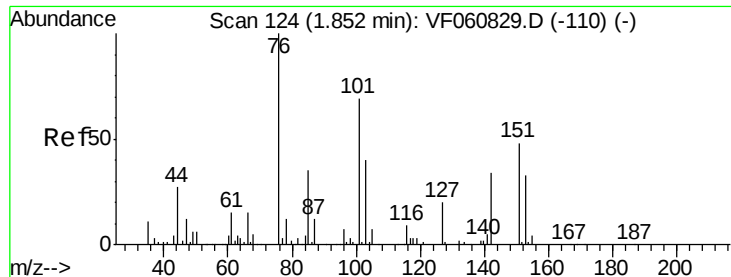
Delta R.T. -0.02 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Tgt Ion:	43	Resp:	49984
Ion	Ratio	Lower	Upper
43	100		
58	17.5	11.4	17.2#





#17

Carbon Disulfide

Concen: 23.591 ug/l m

RT: 1.83 min Scan# 122

Delta R.T. -0.02 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Tot Ion: 76 Resp: 93342

Ion Ratio Lower Upper

76 100

78 12.6 10.2 15.2

Instrument :

MSVOA_F

ClientSampleId :

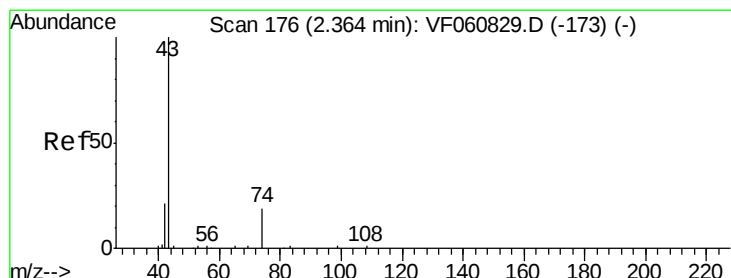
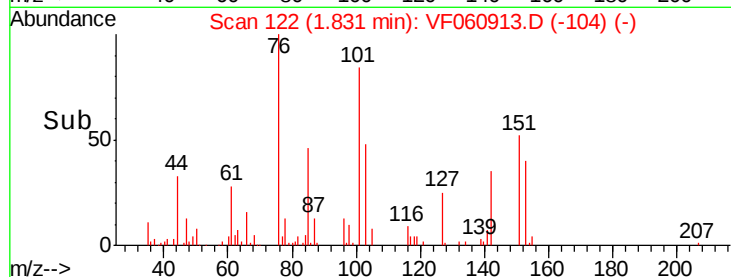
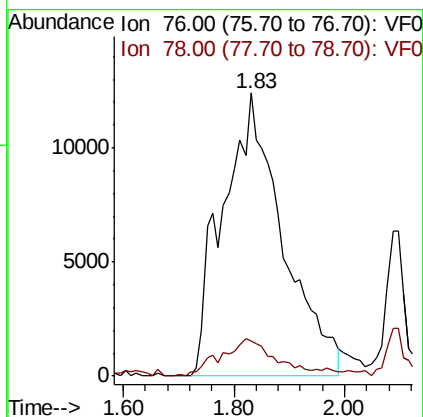
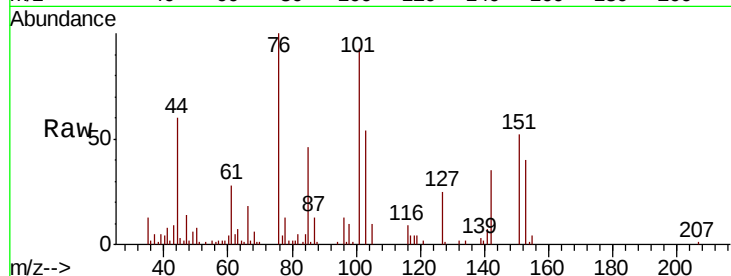
VF1206SBS01

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#18

Methyl Acetate

Concen: 26.184 ug/l

RT: 2.34 min Scan# 174

Delta R.T. -0.02 min

Lab File: VF060913.D

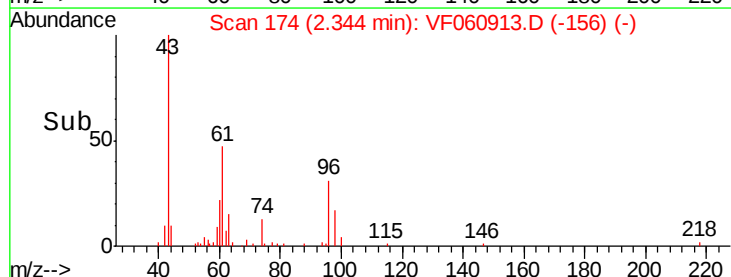
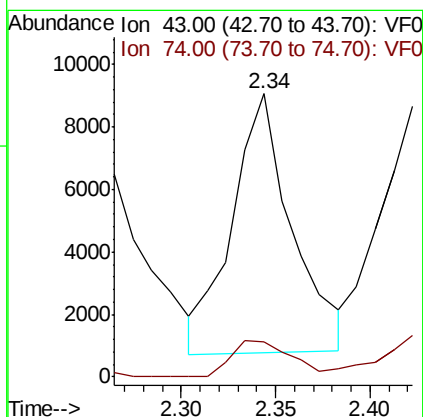
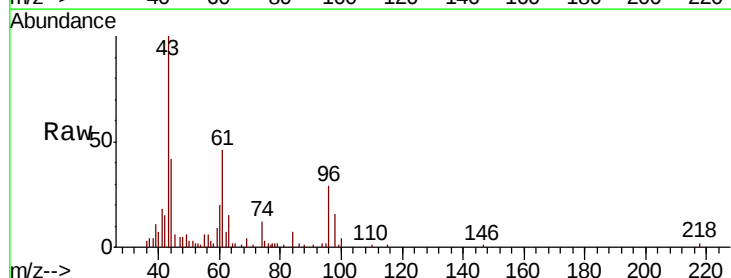
Acq: 6 Dec 2018 13:16

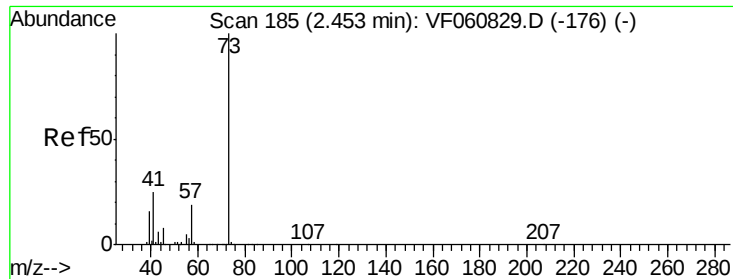
Tgt Ion: 43 Resp: 18319

Ion Ratio Lower Upper

43 100

74 12.4 13.3 19.9#





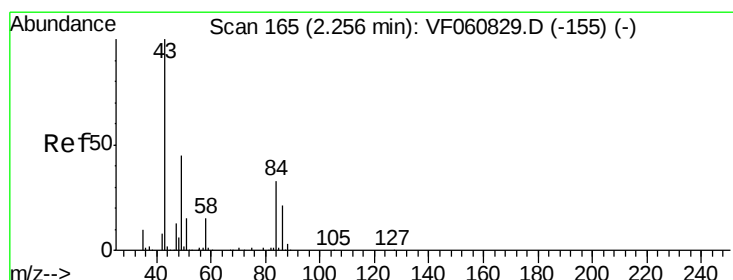
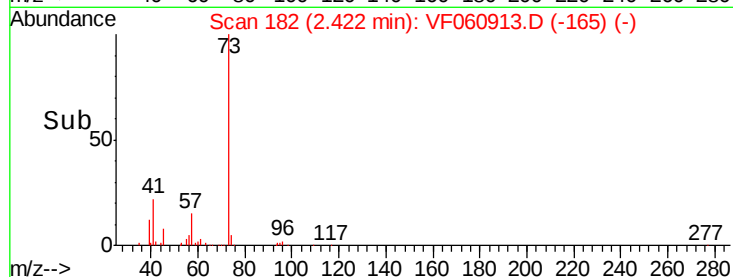
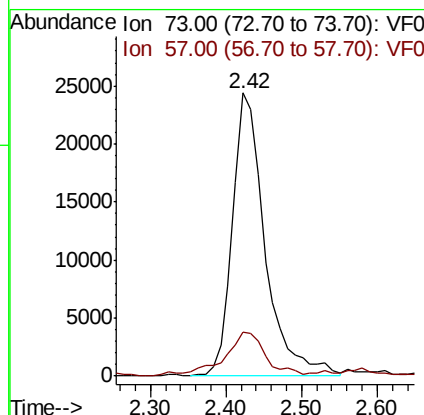
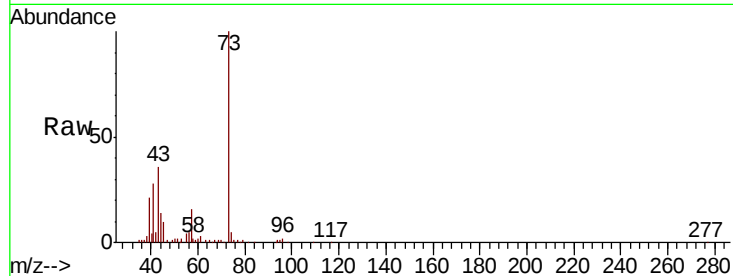
#19
Methvl tert-butvl Ether
Concen: 21.880 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.03 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion: 73 Resp: 72721
Ion Ratio Lower Upper
73 100
57 15.5 15.3 22.9

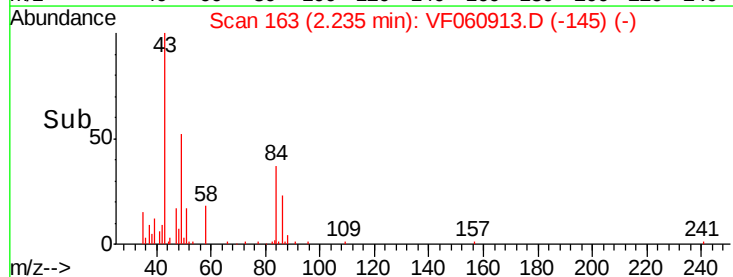
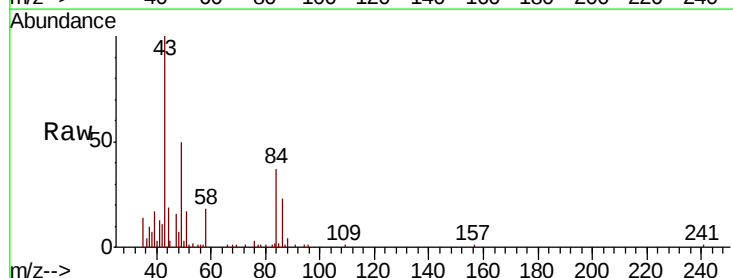
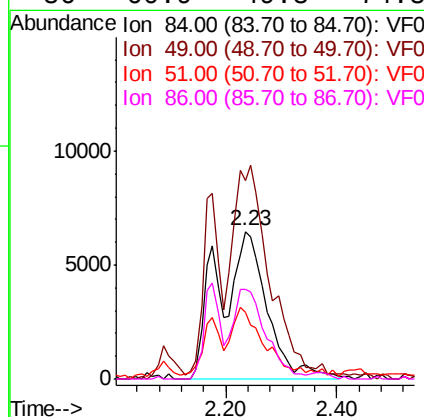
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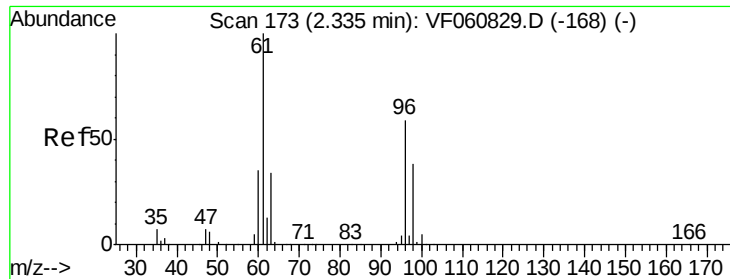
apatel
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#20
Methylene Chloride
Concen: 26.423 ug/l m
RT: 2.23 min Scan# 163
Delta R.T. -0.02 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

Tgt Ion: 84 Resp: 39245
Ion Ratio Lower Upper
84 100
49 134.8 111.3 166.9
51 45.3 38.0 57.0
86 60.9 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 24.591 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.03 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion: 96 Resp: 34985

Ion Ratio Lower Upper

96 100

61 167.2 134.5 201.7

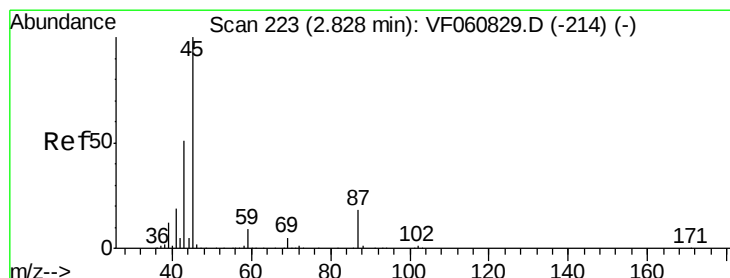
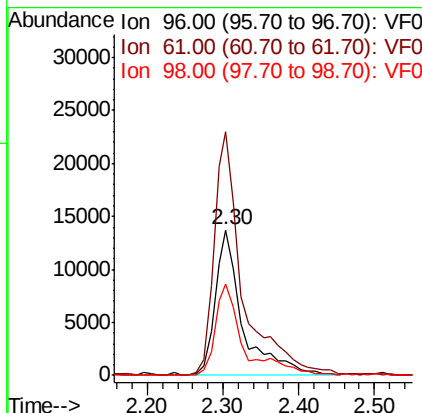
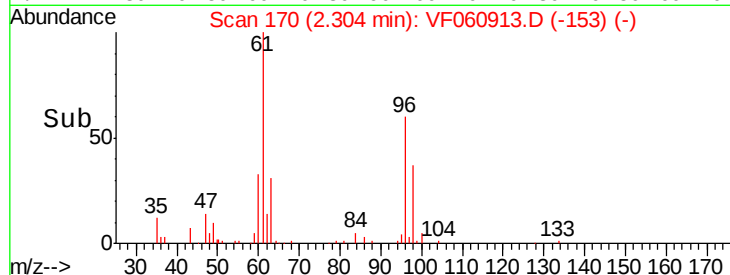
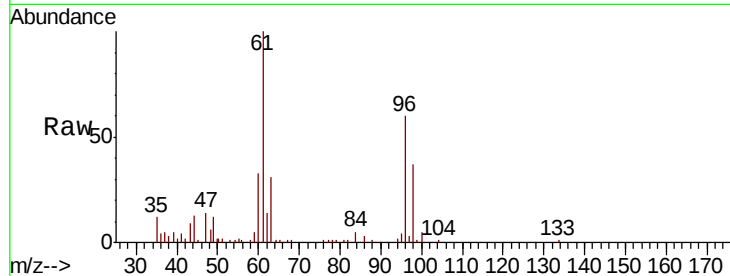
98 62.3 51.6 77.4

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#22

Diisopropyl ether

Concen: 23.656 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.04 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Tgt Ion: 45 Resp: 118431

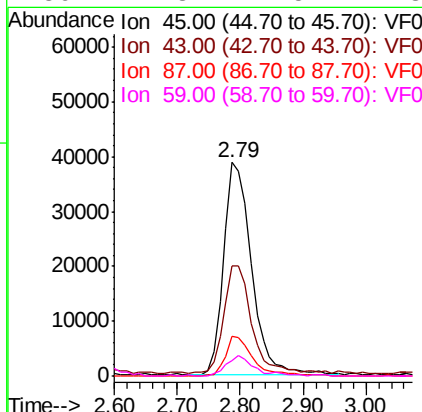
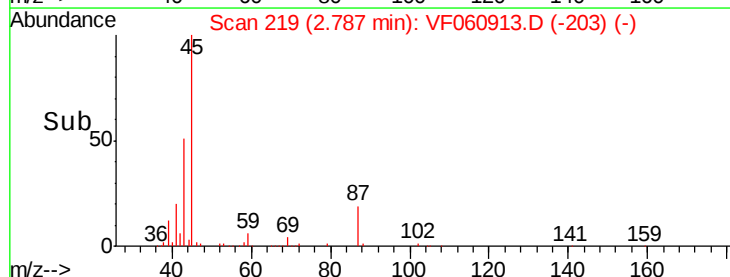
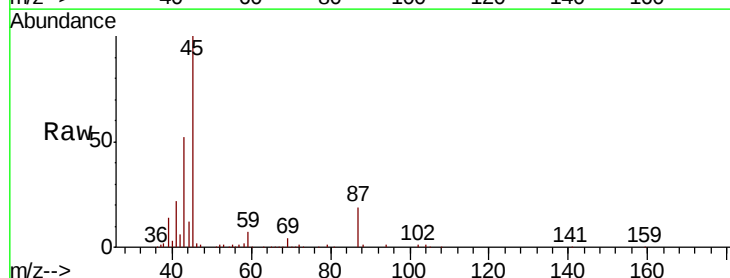
Ion Ratio Lower Upper

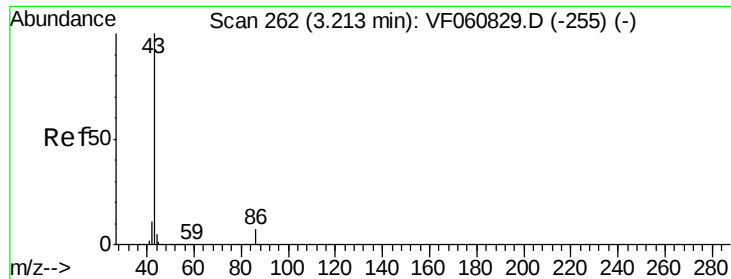
45 100

43 51.7 41.0 61.6

87 18.5 14.6 22.0

59 7.3 7.5 11.3#





#23

Vinyl Acetate

Concen: 123.834 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.03 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion: 43 Resp: 283396

Ion Ratio Lower Upper

43 100

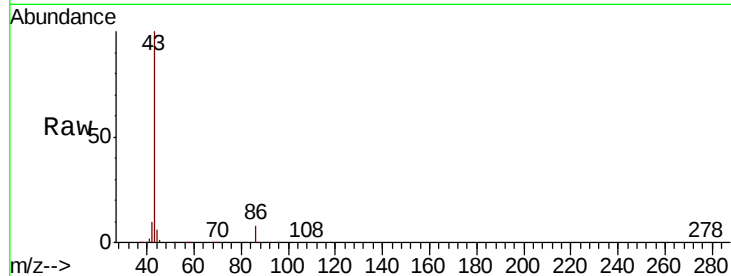
86 7.7 5.4 8.0

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.18

120000

100000

80000

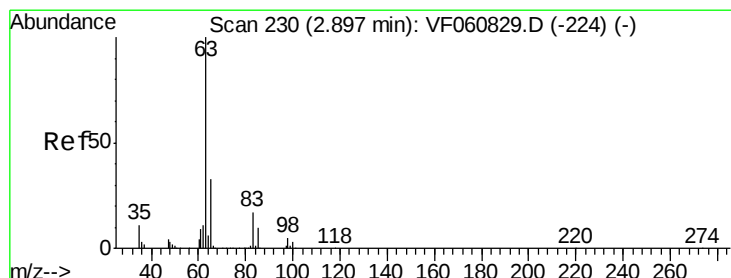
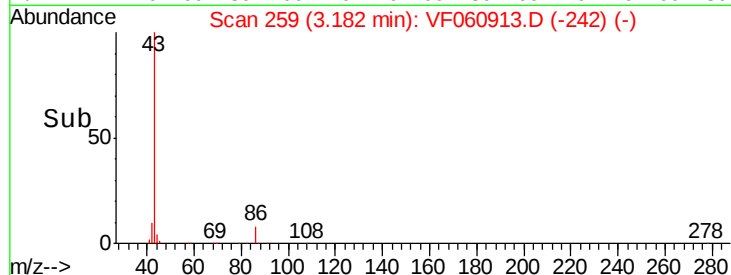
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 24.341 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.03 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

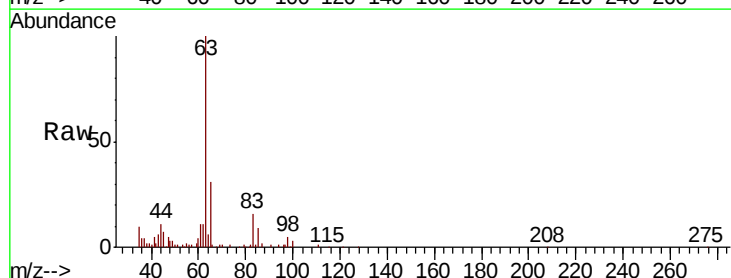
Tgt Ion: 63 Resp: 72503

Ion Ratio Lower Upper

63 100

98 5.3 2.7 8.1

100 3.2 1.5 4.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.87

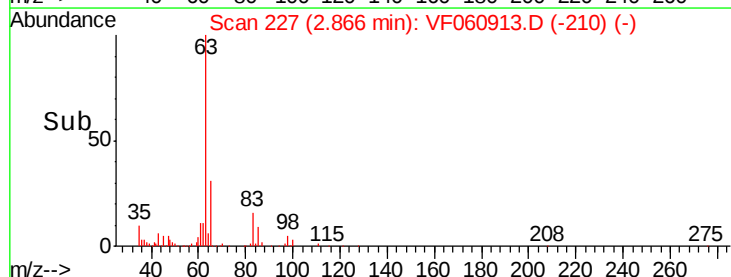
30000

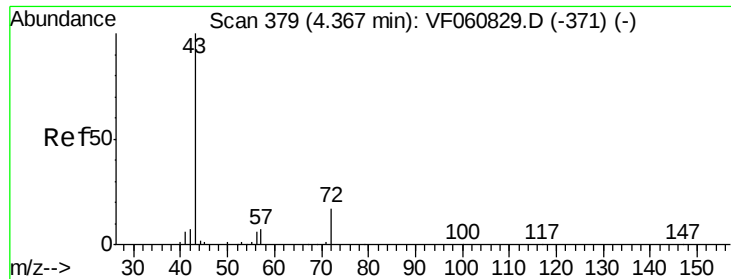
20000

10000

0

Time-->





#25

2-Butanone

Concen: 110.117 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.04 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion: 43 Resp: 77110

Ion Ratio Lower Upper

43 100

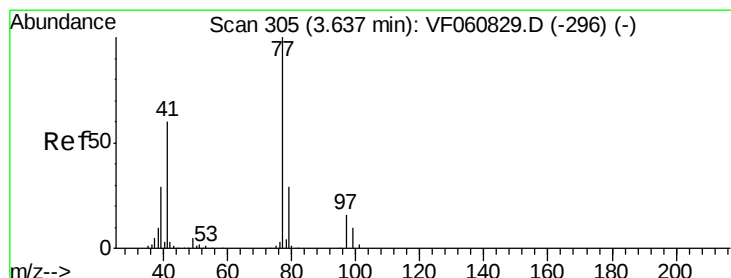
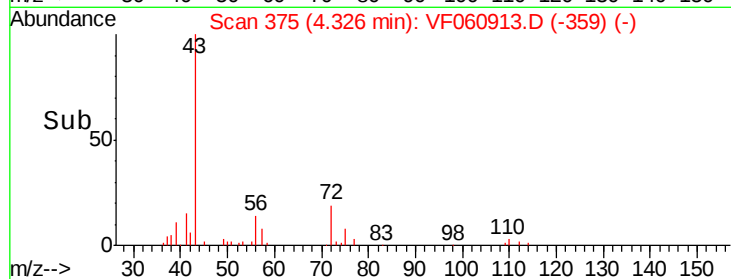
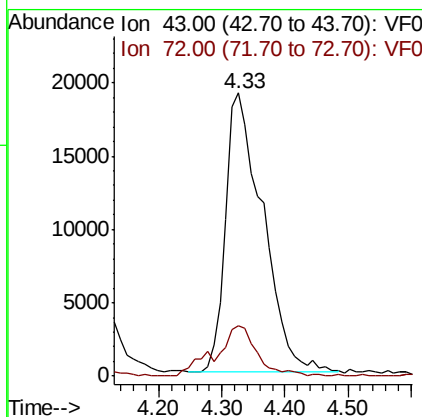
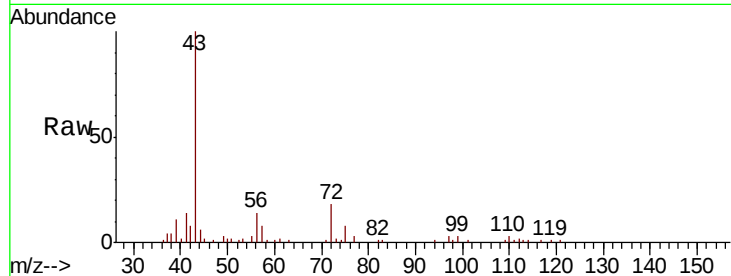
72 17.7 15.4 23.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 24.541 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.05 min

Lab File: VF060913.D

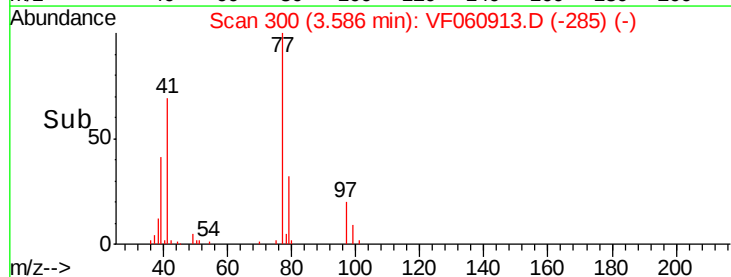
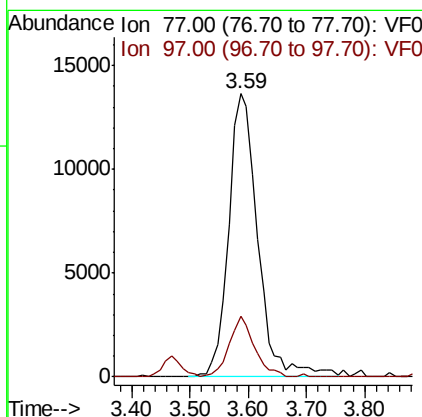
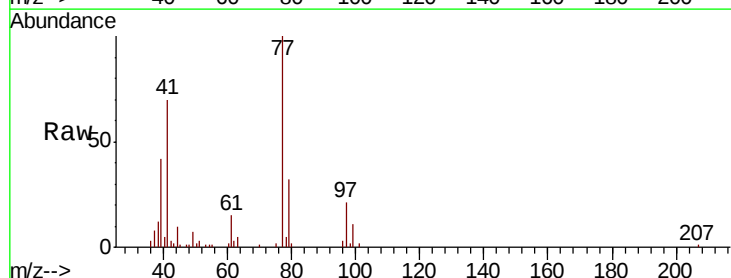
Acq: 6 Dec 2018 13:16

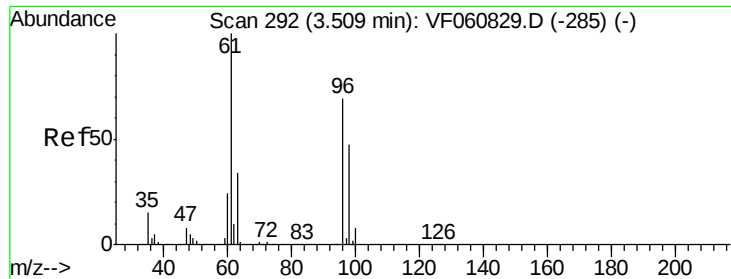
Tgt Ion: 77 Resp: 47392

Ion Ratio Lower Upper

77 100

97 21.4 8.6 25.8





#27

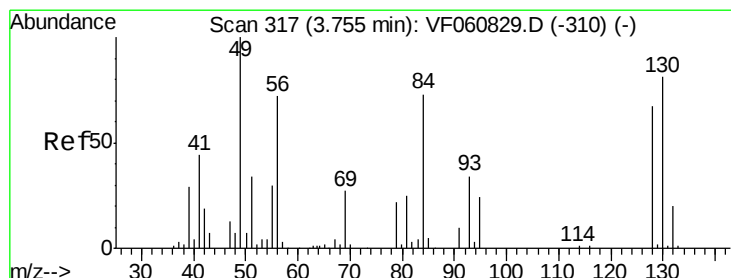
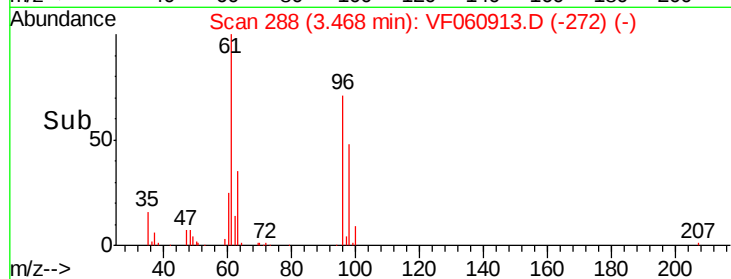
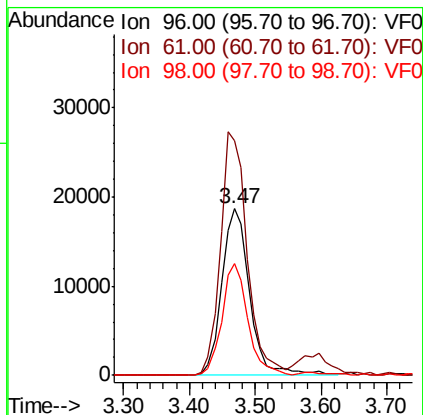
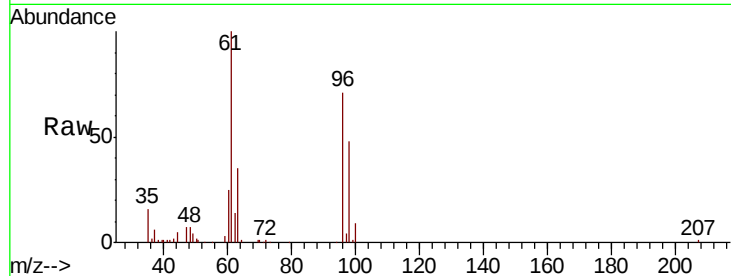
cis-1,2-Dichloroethene
Concen: 23.987 ug/l
RT: 3.47 min Scan# 288
Delta R.T. -0.04 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	55557		
61	141.0		0.0	290.6
98	67.4		0.0	137.8

Manual Integrations
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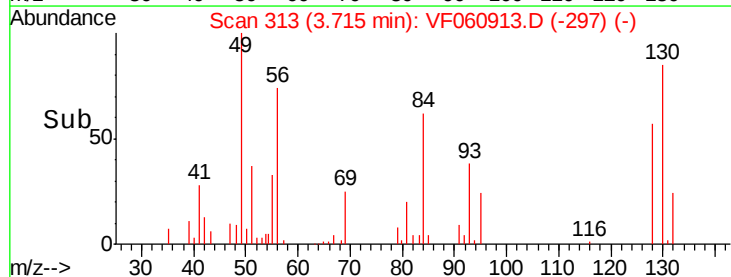
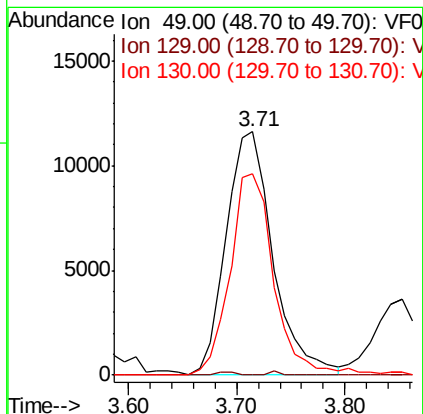
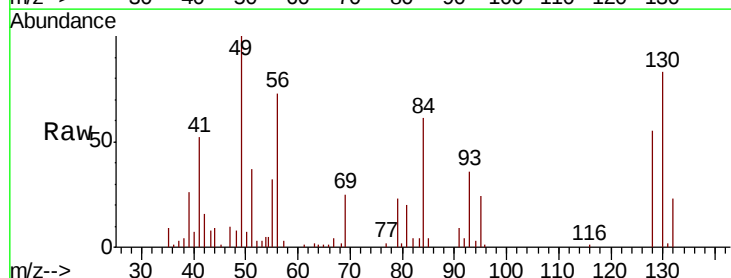
apatel
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#28

Bromochloromethane
Concen: 24.565 ug/l
RT: 3.71 min Scan# 313
Delta R.T. -0.04 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	35116		
129	0.0		0.0	4.4
130	82.7		64.2	96.4





#29

Tetrahydrofuran

Concen: 114.585 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.04 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

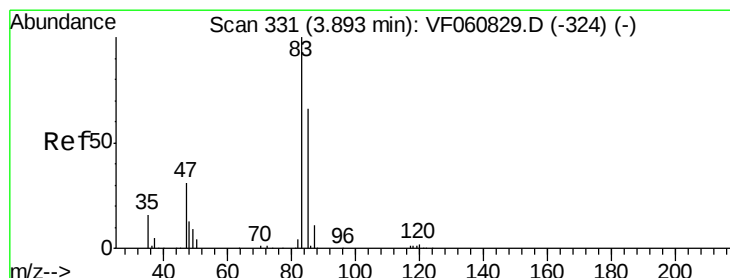
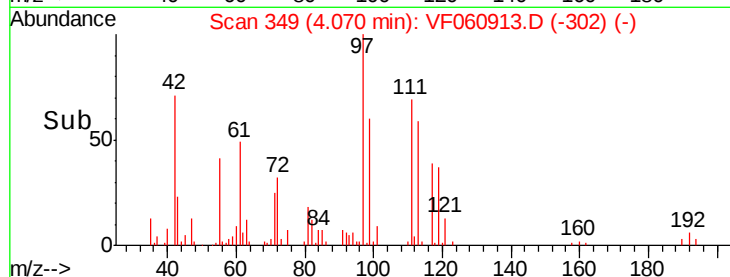
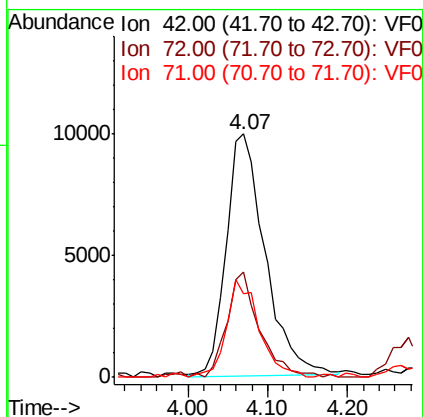
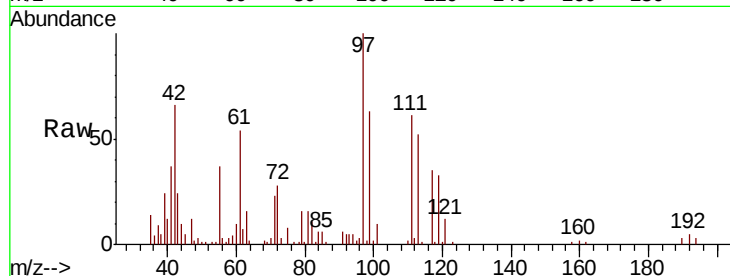
ClientSampleId :

VF1206SBS01

Tot Ion:	42	Resp:	34012
Ion	Ratio	Lower	Upper
42	100		
72	37.0	31.9	47.9
71	34.2	28.7	43.1

Manual Integrations
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#30

Chloroform

Concen: 23.644 ug/l

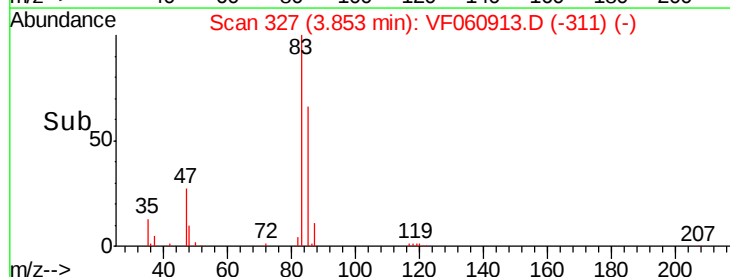
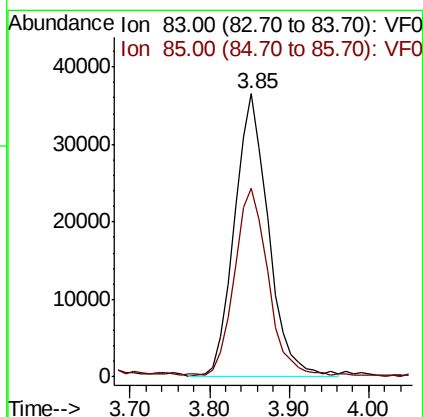
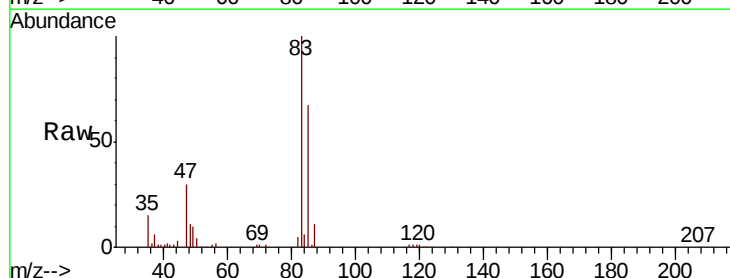
RT: 3.85 min Scan# 327

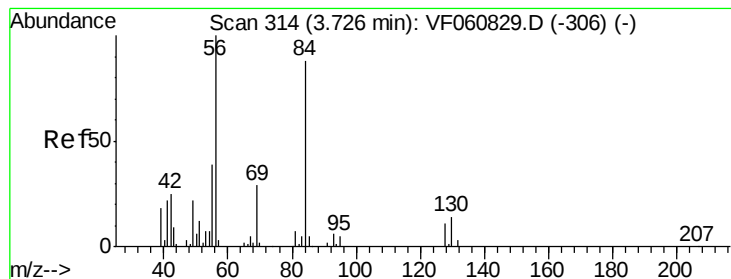
Delta R.T. -0.04 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Tgt Ion:	83	Resp:	108394
Ion	Ratio	Lower	Upper
83	100		
85	66.7	53.4	80.2





#31

Cyclohexane

Concen: 24.658 ug/l

RT: 3.69 min Scan# 310

Delta R.T. -0.04 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

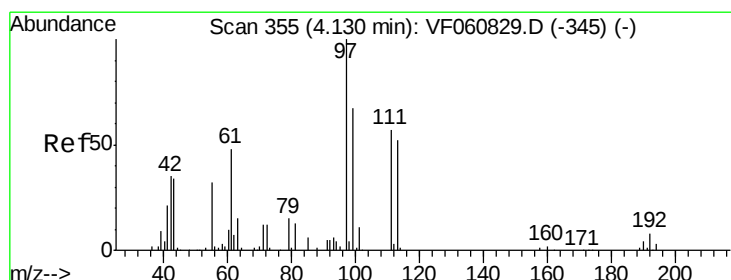
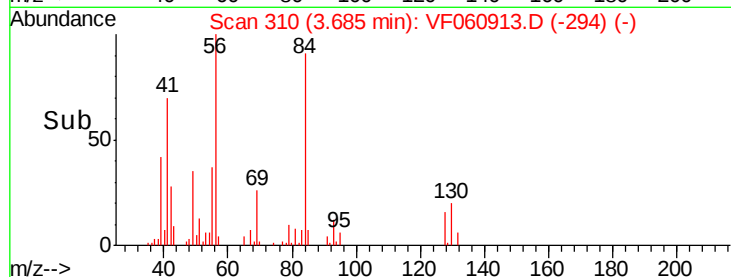
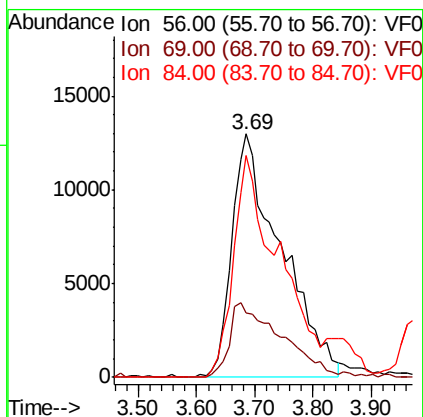
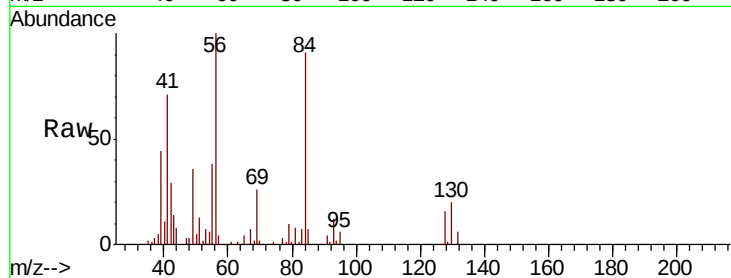
ClientSampleId :

VF1206SBS01

Tot Ion:	56	Resp:	76226
Ion Ratio	Lower	Upper	
56	100		
69	26.3	23.0	34.4
84	90.9	70.4	105.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.047 ug/l

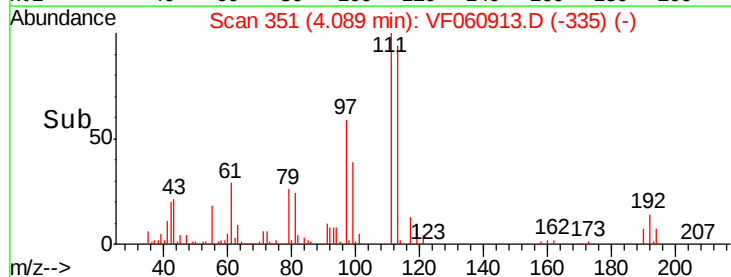
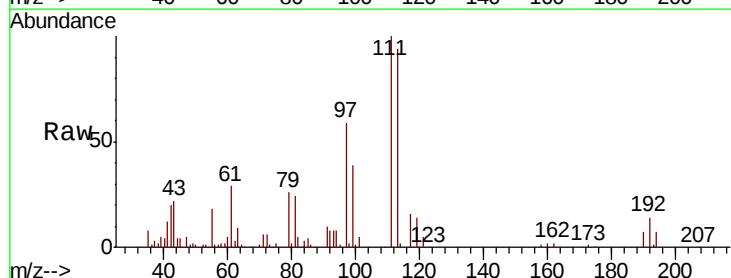
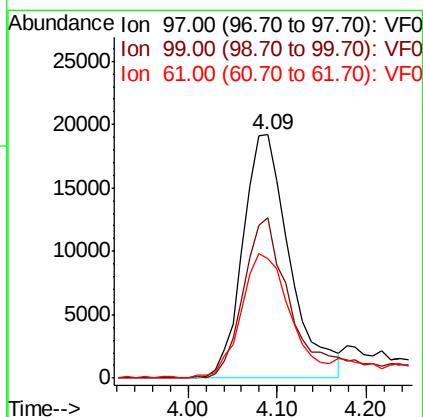
RT: 4.09 min Scan# 351

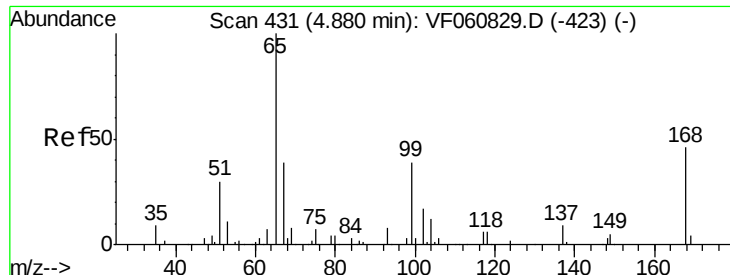
Delta R.T. -0.04 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Tgt Ion:	97	Resp:	70094
Ion Ratio	Lower	Upper	
97	100		
99	65.8	53.5	80.3
61	49.3	38.6	58.0





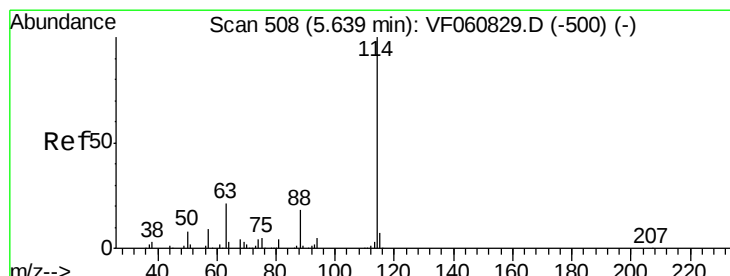
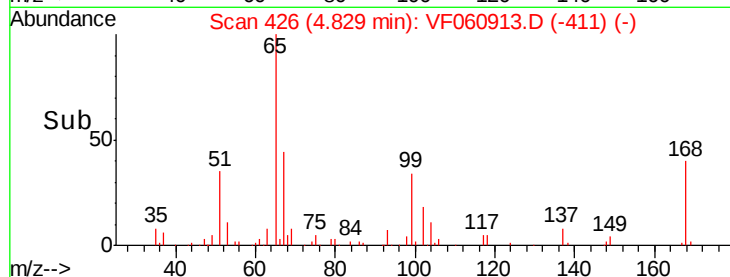
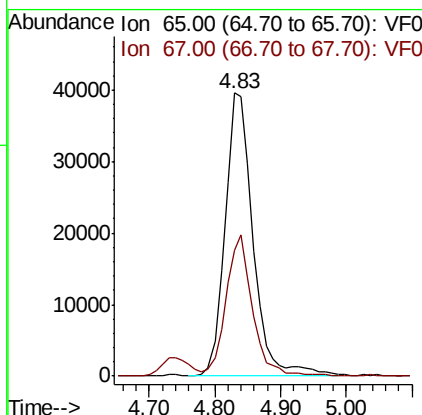
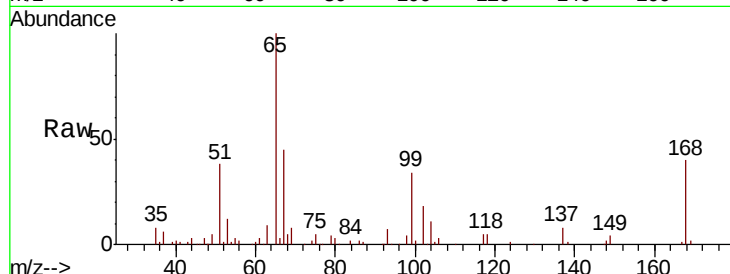
#33
 1,2-Dichloroethane-d4
 Concen: 53.870 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.05 min
 Lab File: VF060913.D
 Acq: 6 Dec 2018 13:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	118268		
67	44.6	0.0	96.4	

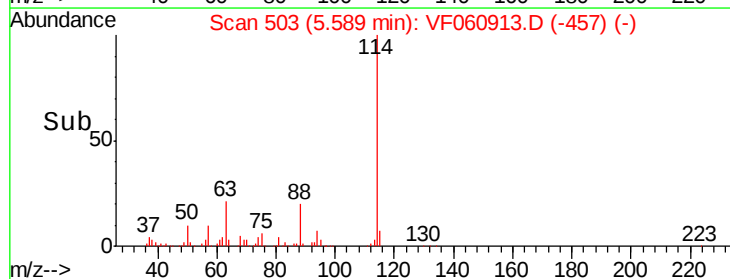
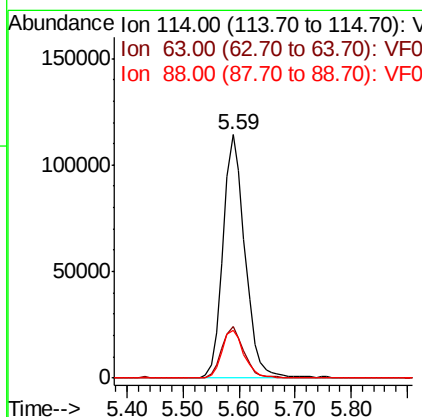
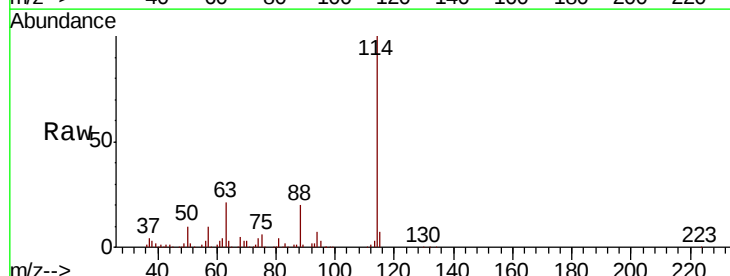
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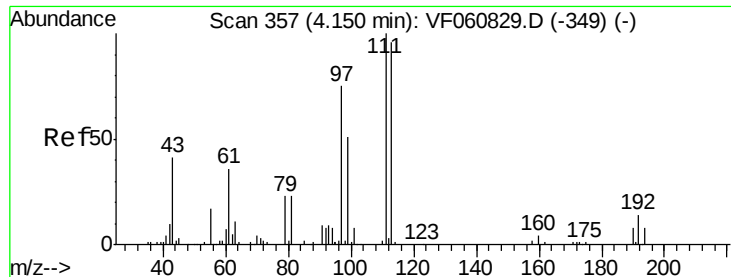
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.05 min
 Lab File: VF060913.D
 Acq: 6 Dec 2018 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	314179		
63	21.3	0.0	41.6	
88	19.9	0.0	36.6	





#35

Dibromofluoromethane

Concen: 51.271 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.05 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

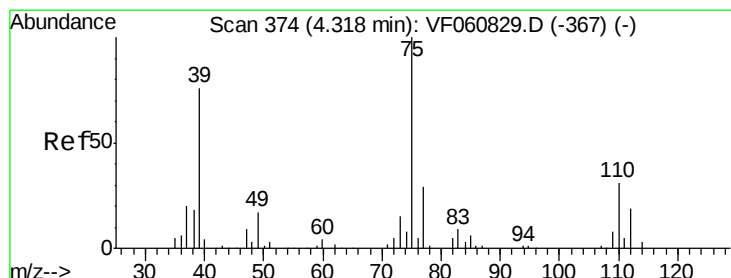
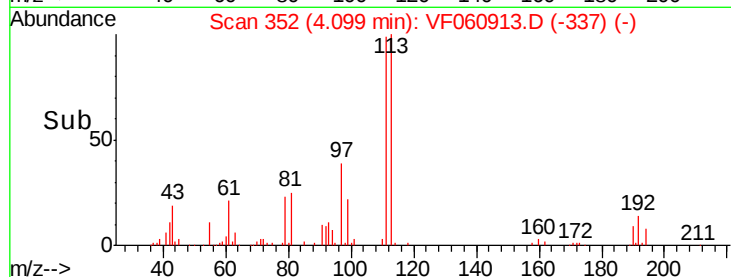
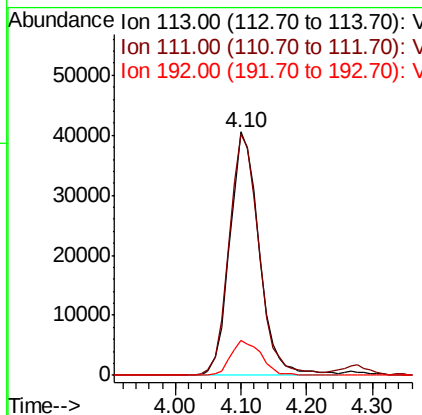
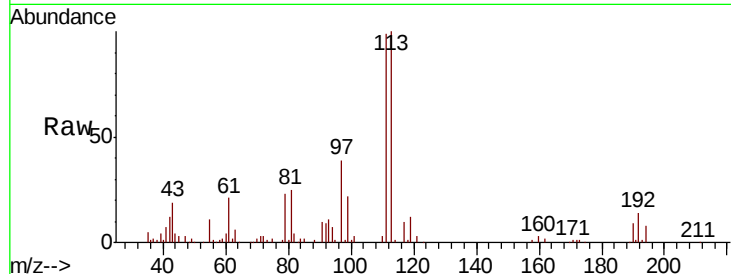
ClientSampleId :

VF1206SBS01

Tot Ion:	113	Resp:	127792
Ion Ratio	Lower	Upper	
113	100		
111	99.2	83.0	124.6
192	14.3	12.3	18.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 22.631 ug/l

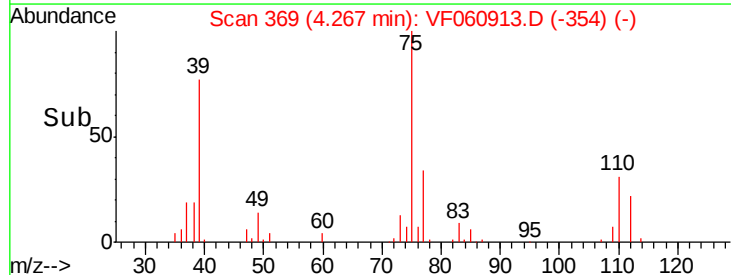
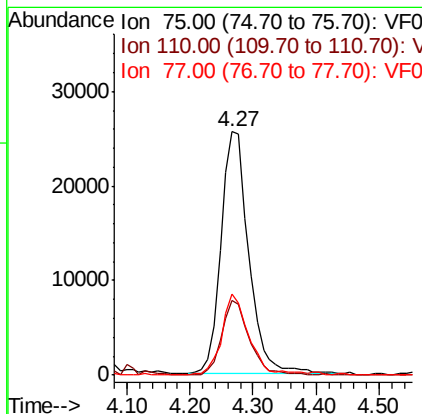
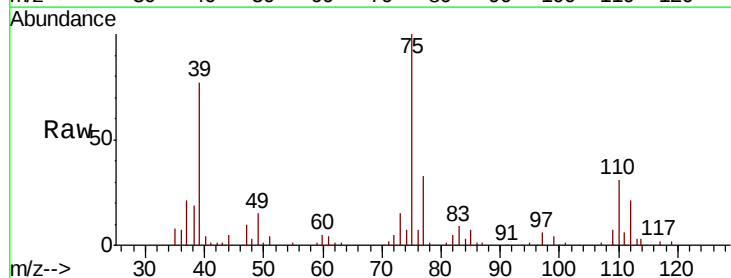
RT: 4.27 min Scan# 369

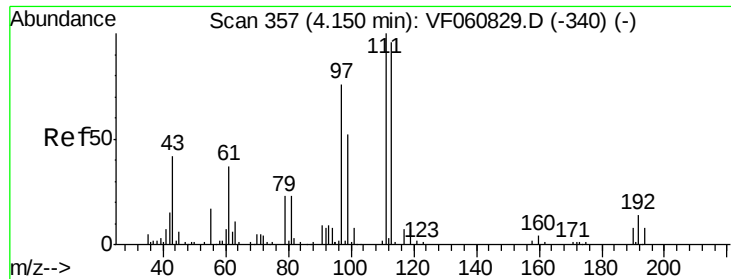
Delta R.T. -0.05 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Tgt Ion:	75	Resp:	78865
Ion Ratio	Lower	Upper	
75	100		
110	30.9	15.6	46.8
77	33.2	23.4	35.0





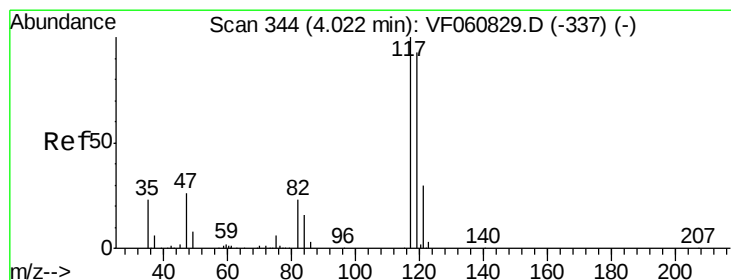
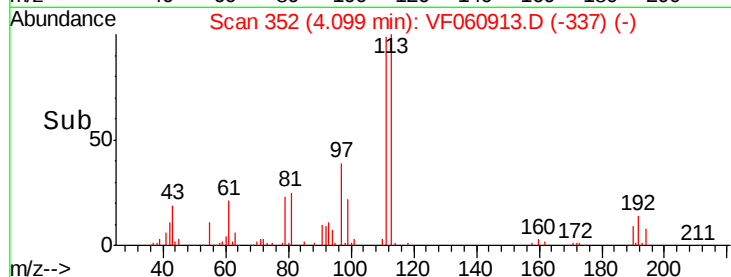
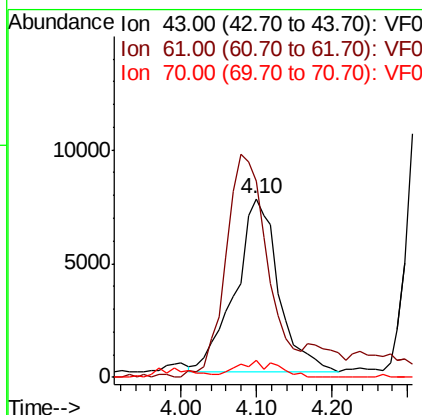
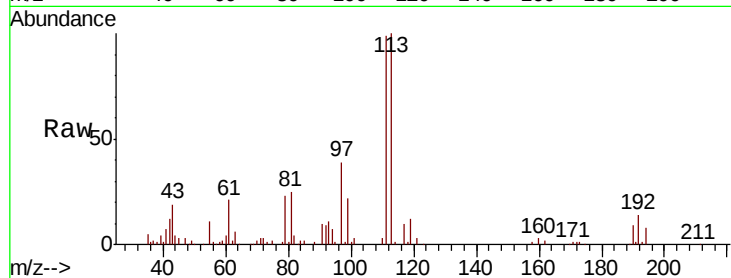
#37
Ethyl Acetate
Concen: 21.443 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.05 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	110.0	68.6	103.0#
70	9.2	9.0	13.4

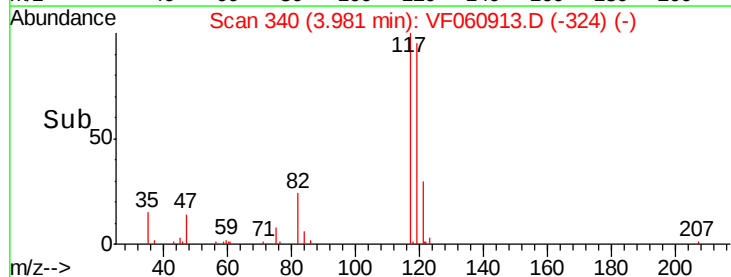
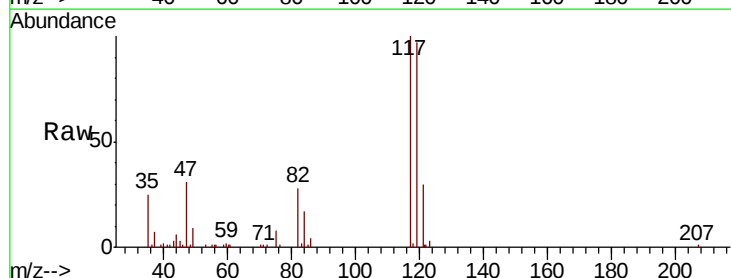
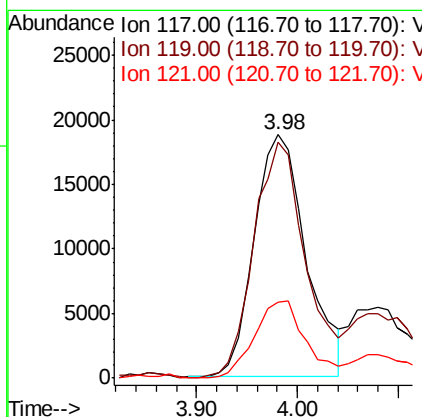
Manual Integrations
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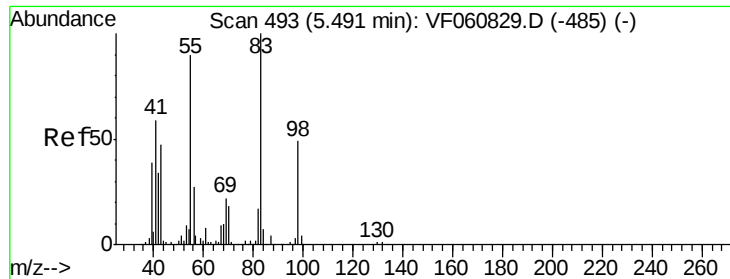
apatel
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#38
Carbon Tetrachloride
Concen: 21.917 ug/l
RT: 3.98 min Scan# 340
Delta R.T. -0.04 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	74.4	111.6
121	31.3	23.5	35.3





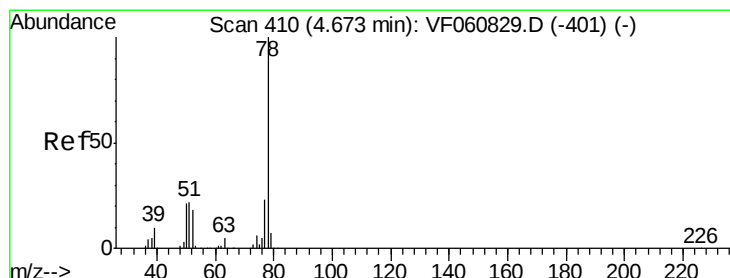
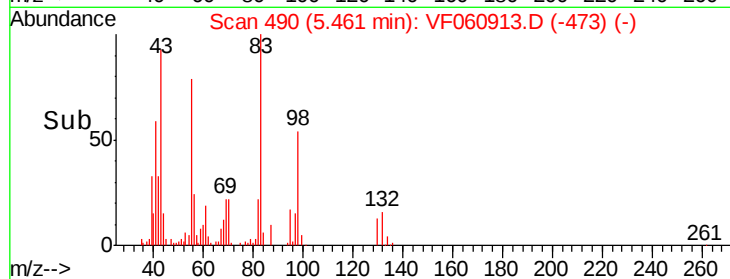
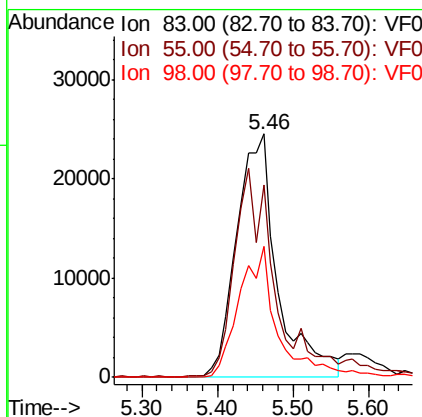
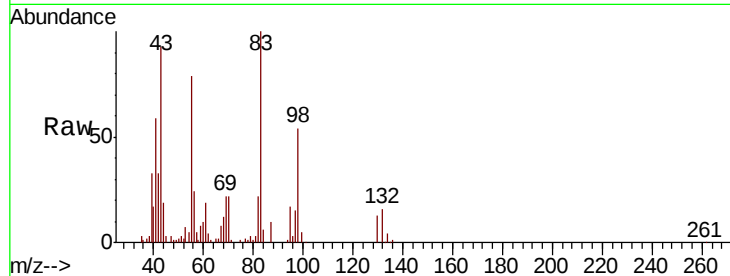
#39
Methvlcvclohexane
Concen: 25.306 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.03 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	72.1	108.1
98	53.6	39.1	58.7

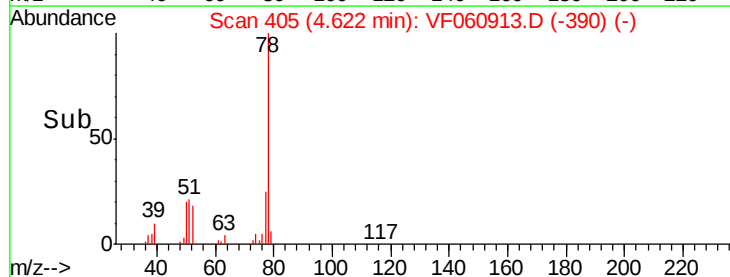
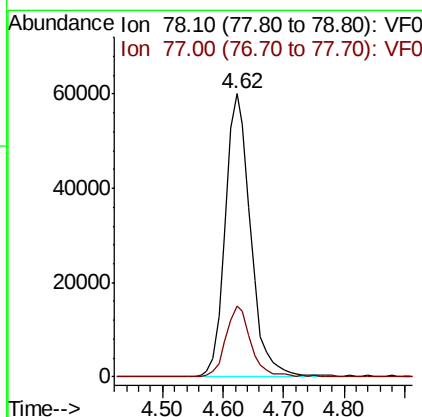
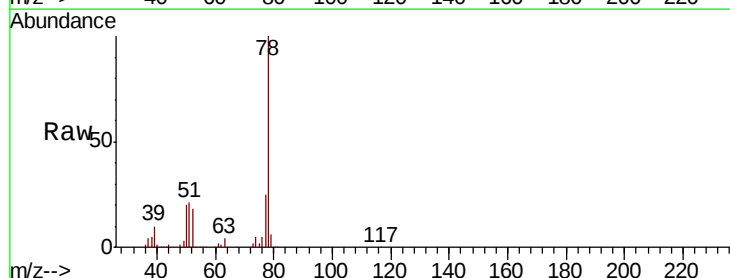
Manual Integrations
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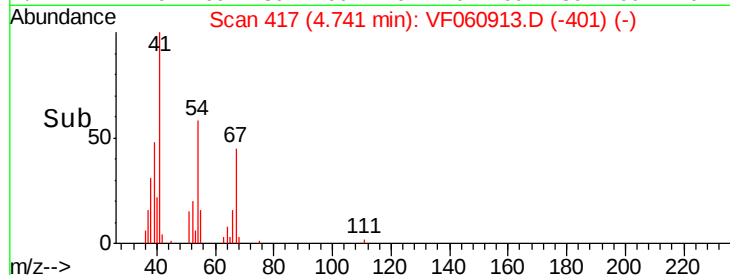
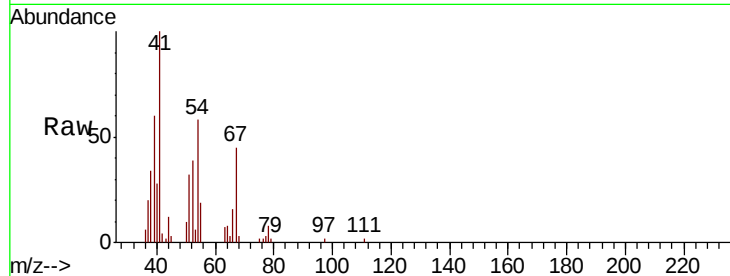
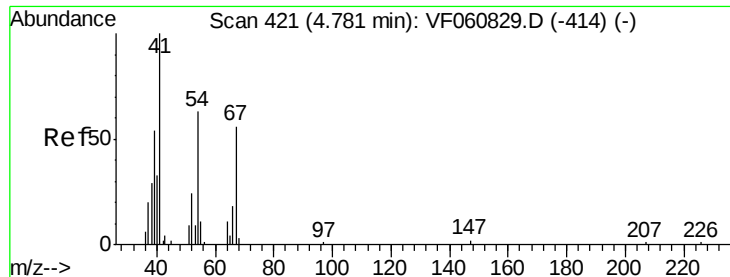
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#40
Benzene
Concen: 22.756 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.05 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

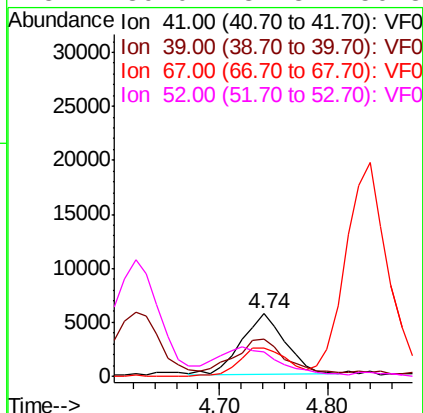
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	18.7	28.1





#41
Methacrylonitrile
Concen: 18.819 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.04 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

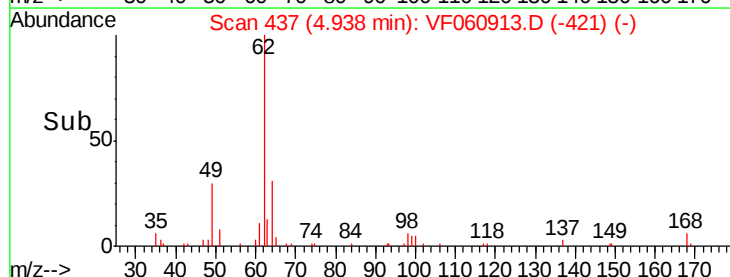
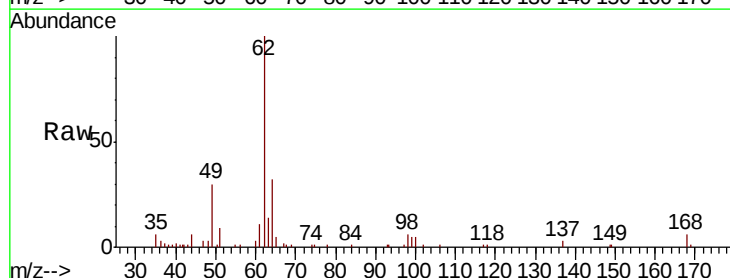
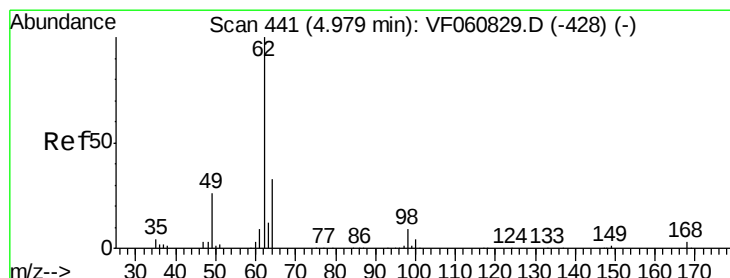
Tot Ion	Ratio	Lower	Upper
41	100		
39	59.6	53.0	79.6
67	45.0	43.8	65.6
52	39.0	37.8	56.8



Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

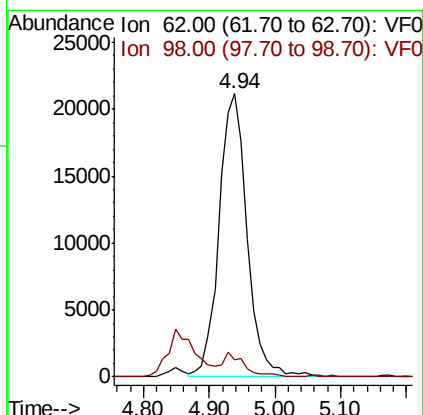
Manual Integrations
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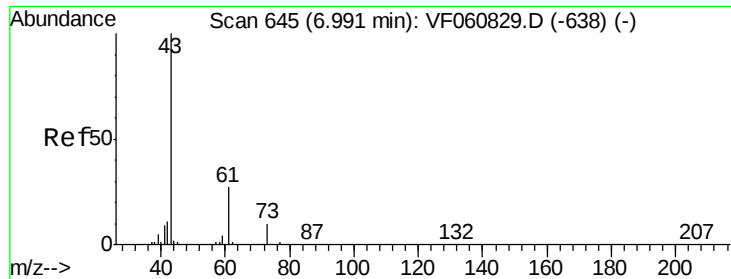
apatel
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#42
1,2-Dichloroethane
Concen: 22.397 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.04 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.1	0.0	17.2





#43

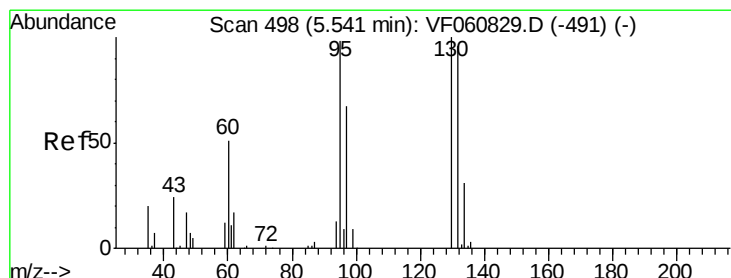
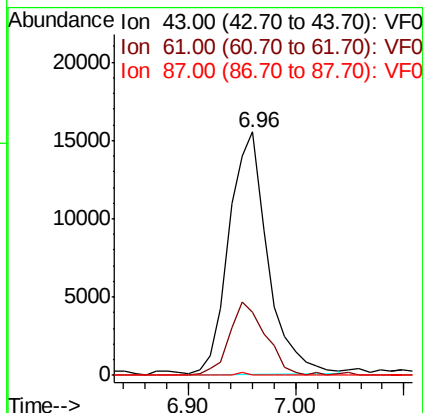
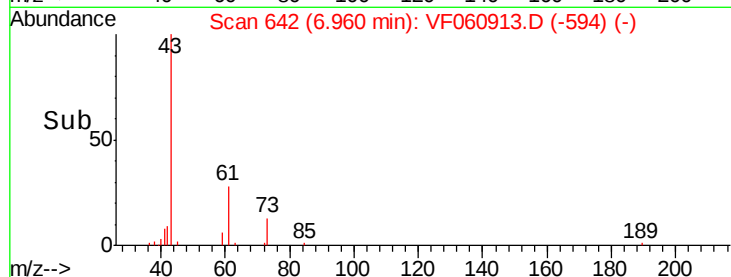
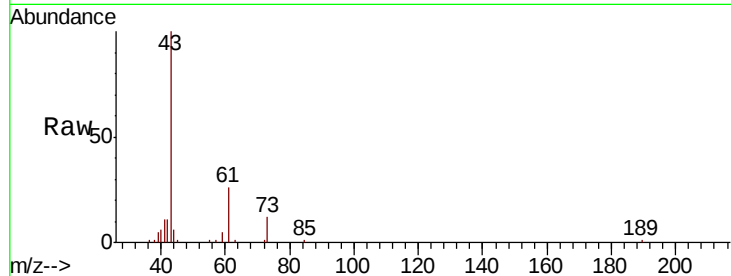
Isopropyl Acetate
 Concen: 20.343 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. -0.03 min
 Lab File: VF060913.D
 Acq: 6 Dec 2018 13:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1206SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.0	21.4	32.0
87	0.0	0.2	0.4

Manual Integrations
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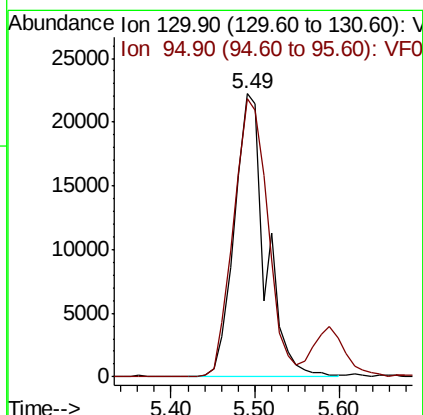
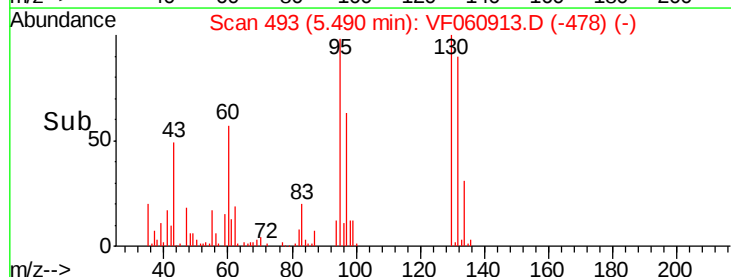
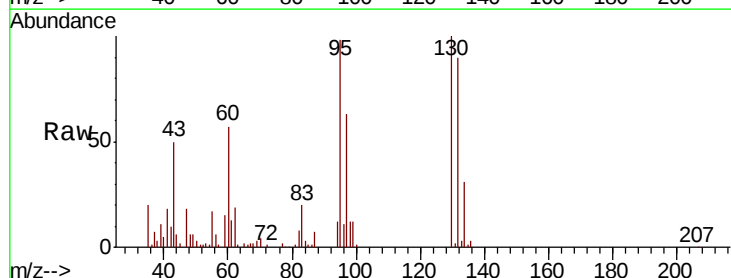
apatel
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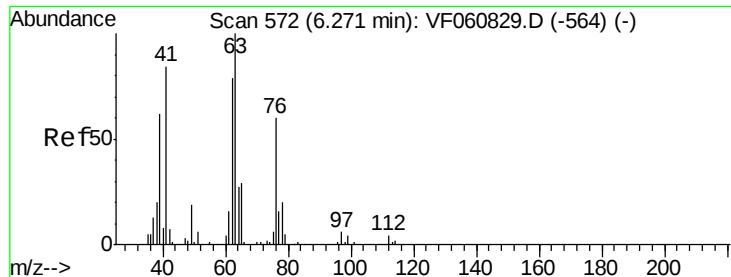


#44

Trichloroethene
 Concen: 22.921 ug/l
 RT: 5.49 min Scan# 493
 Delta R.T. -0.05 min
 Lab File: VF060913.D
 Acq: 6 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	195.6





#45

1,2-Dichloropropane

Concen: 23.386 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.04 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion: 63 Resp: 46758

Ion Ratio Lower Upper

63 100

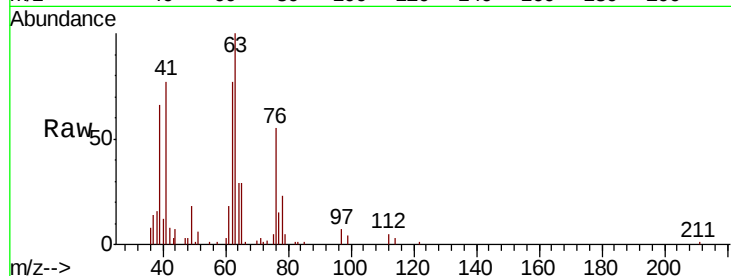
65 28.7 23.2 34.8

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

20000

15000

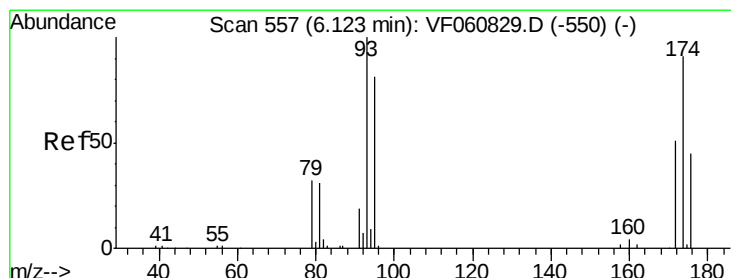
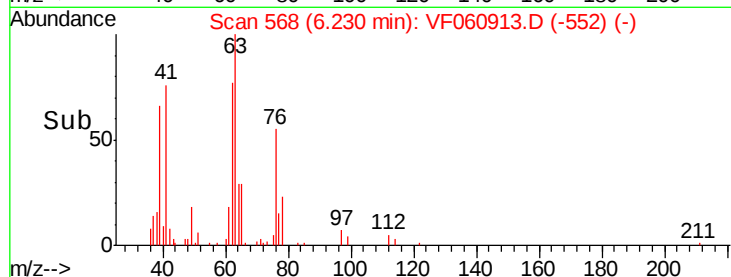
10000

5000

0

6.10 6.20 6.30 6.40

Time-->



#46

Dibromomethane

Concen: 20.814 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.05 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

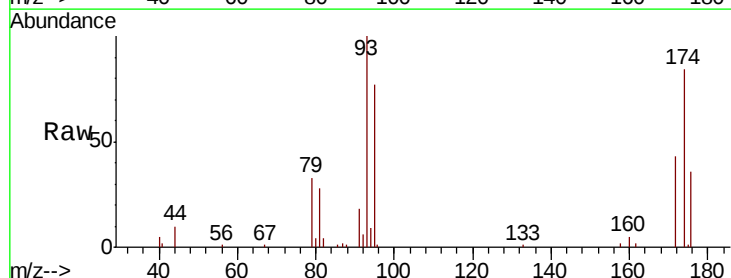
Tgt Ion: 93 Resp: 28231

Ion Ratio Lower Upper

93 100

95 76.9 64.7 97.1

174 84.3 73.0 109.6



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

15000

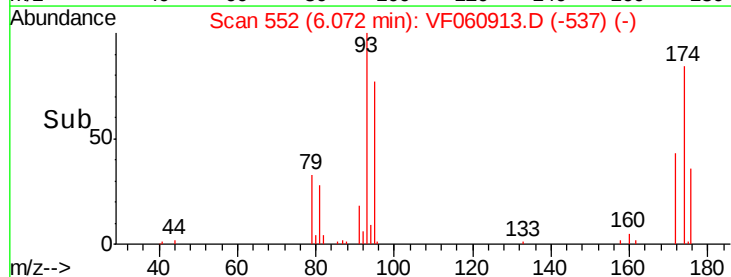
10000

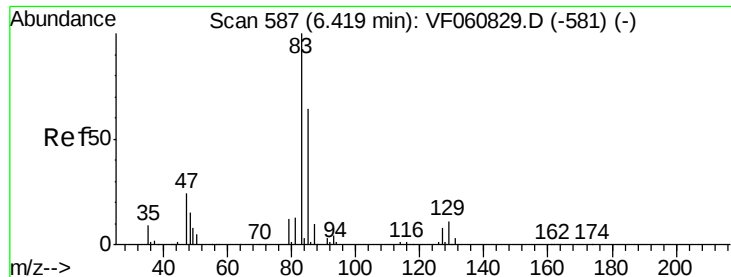
5000

0

6.00 6.10 6.20

Time-->





#47

Bromodichloromethane

Concen: 22.584 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.04 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

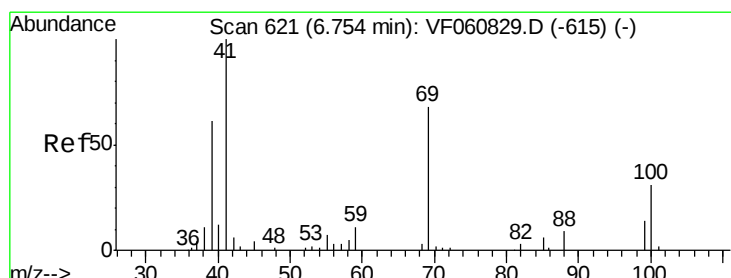
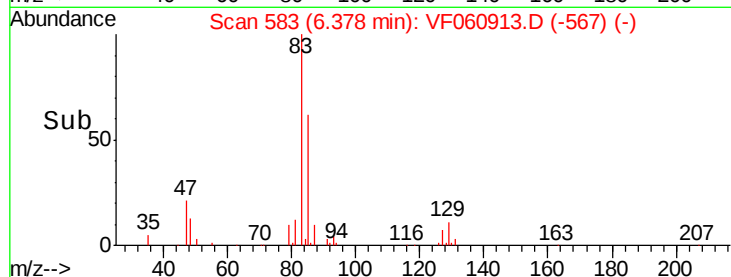
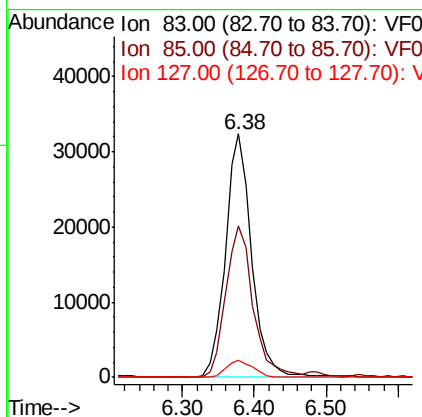
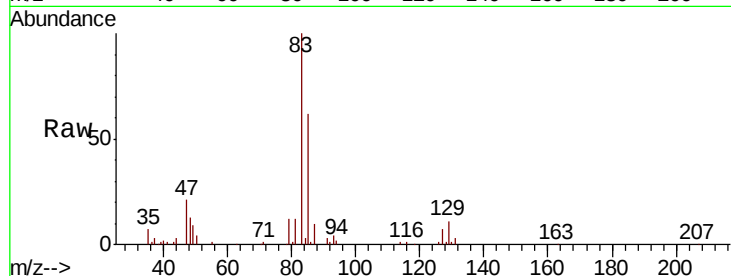
ClientSampleId :

VF1206SBS01

Tot Ion:	83	Resp:	81358
Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.1	76.7
127	7.1	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.539 ug/l

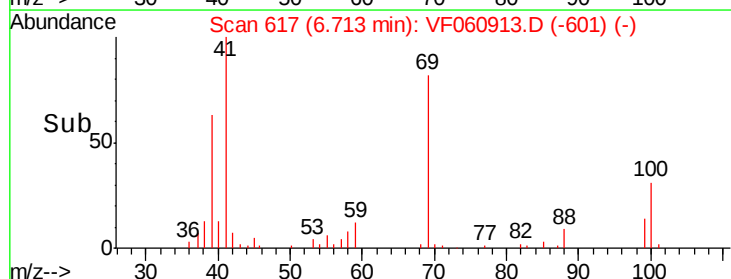
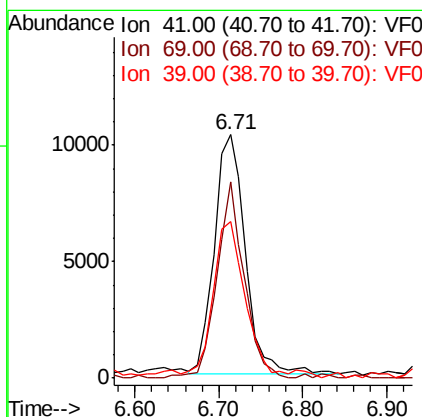
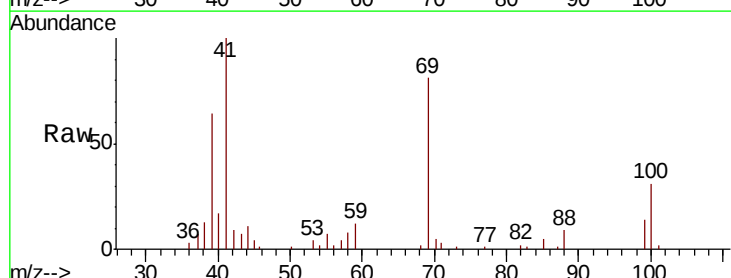
RT: 6.71 min Scan# 617

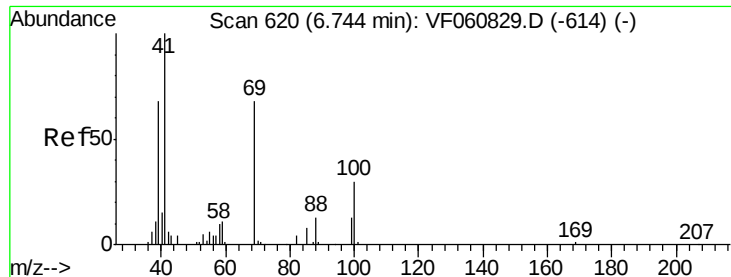
Delta R.T. -0.04 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Tgt Ion:	41	Resp:	26327
Ion	Ratio	Lower	Upper
41	100		
69	80.7	53.9	80.9
39	64.5	49.0	73.6





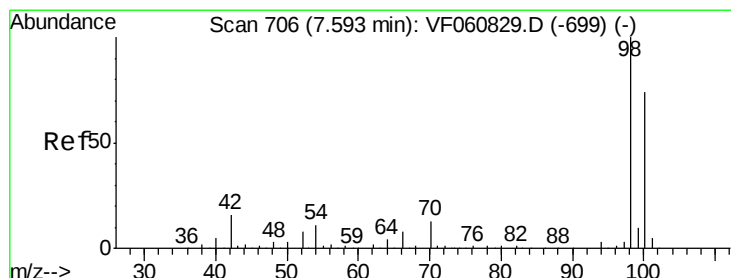
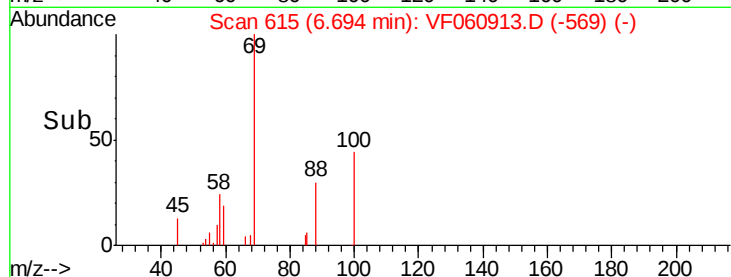
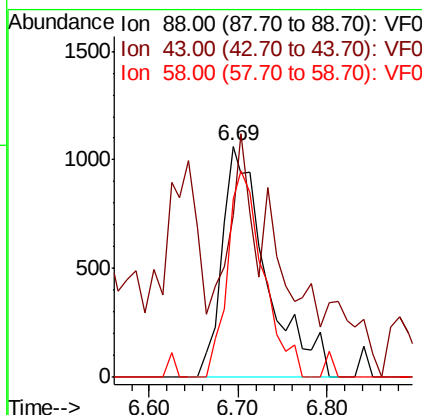
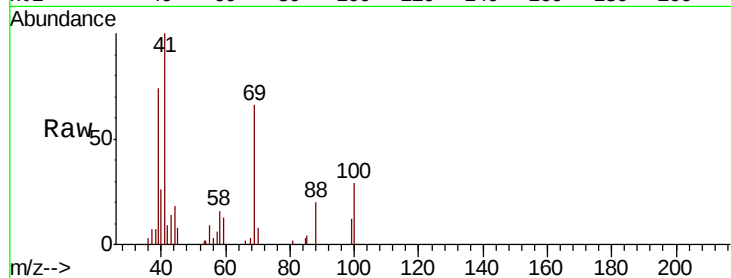
#49
1,4-Dioxane
Concen: 394.720 ug/l
RT: 6.69 min Scan# 615
Delta R.T. -0.05 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	69.9	42.0	63.0#
58	77.4	61.8	92.8

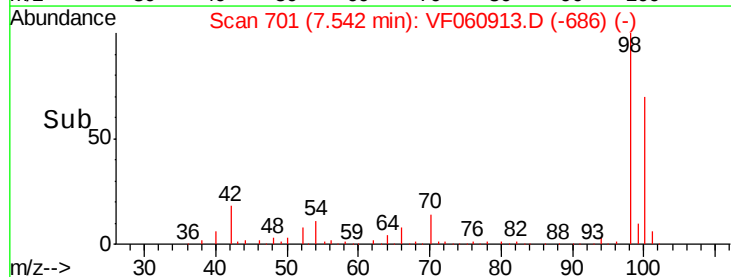
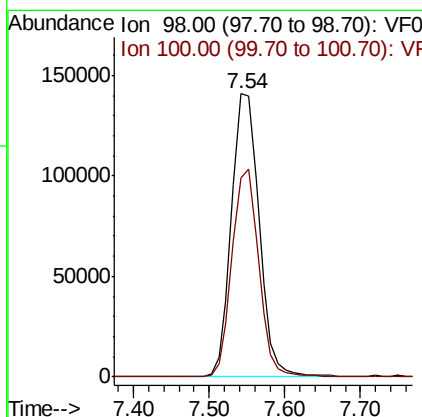
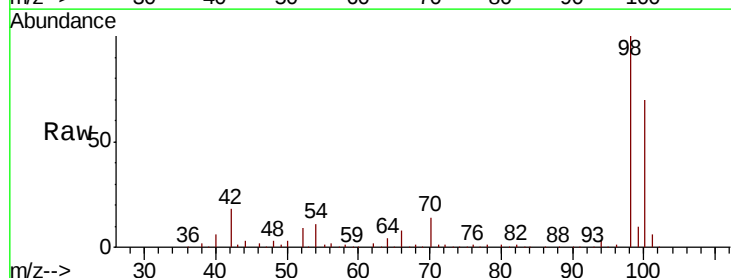
Manual Integrations
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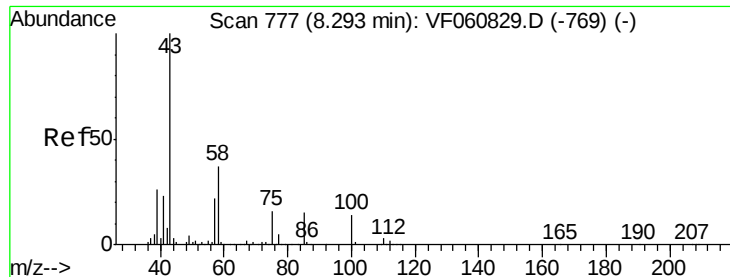
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#50
Toluene-d8
Concen: 48.798 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.05 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.5	59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 107.399 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.04 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion: 43 Resp: 140251

Ion Ratio Lower Upper

43 100

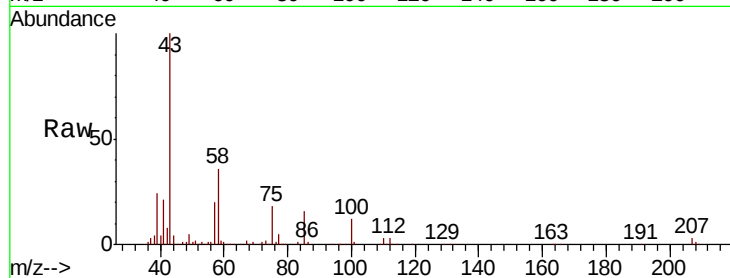
58 36.1 29.7 44.5

Manual Integrations

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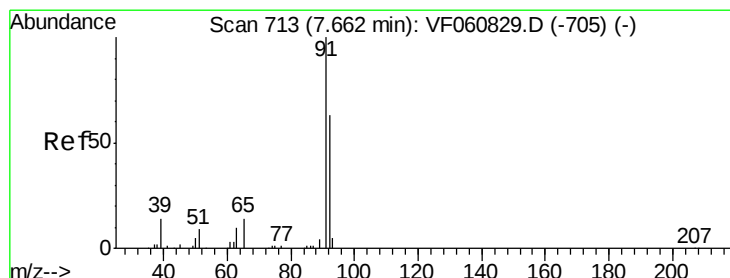
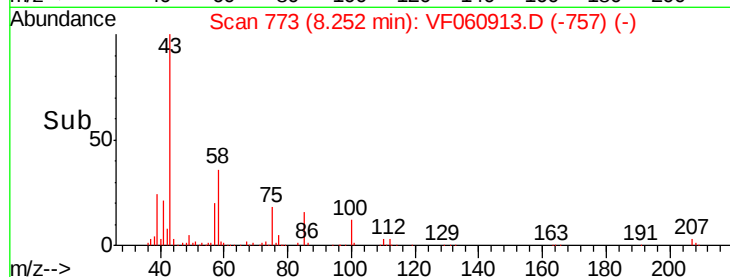
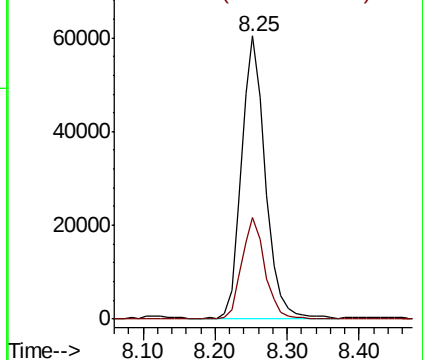
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.627 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.04 min

Lab File: VF060913.D

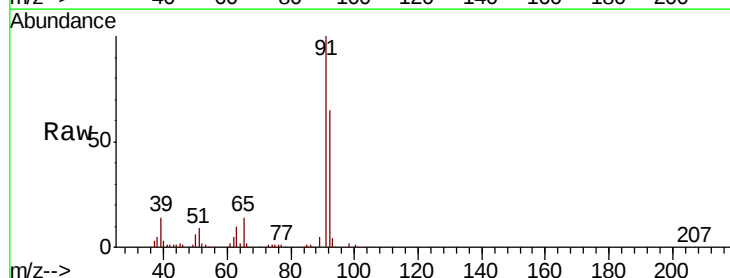
Acq: 6 Dec 2018 13:16

Tgt Ion: 92 Resp: 116952

Ion Ratio Lower Upper

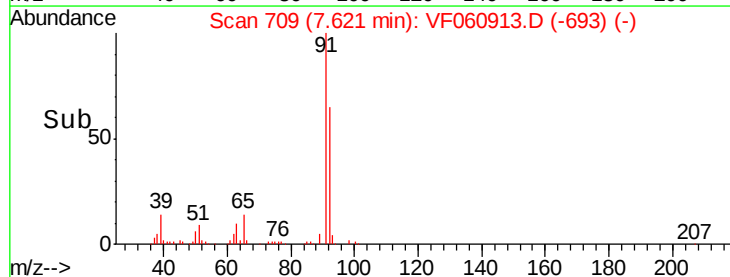
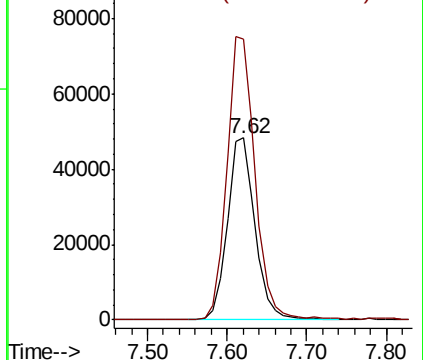
92 100

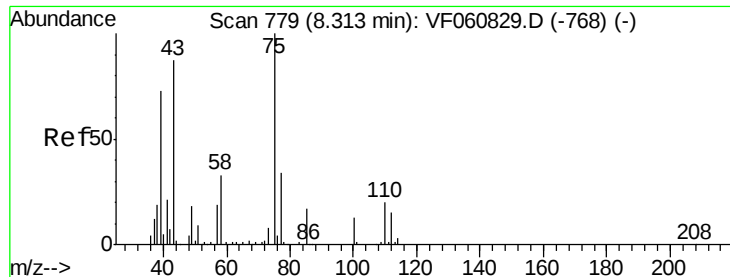
91 154.2 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 21.109 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.04 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion: 75 Resp: 61855

Ion Ratio Lower Upper

75 100

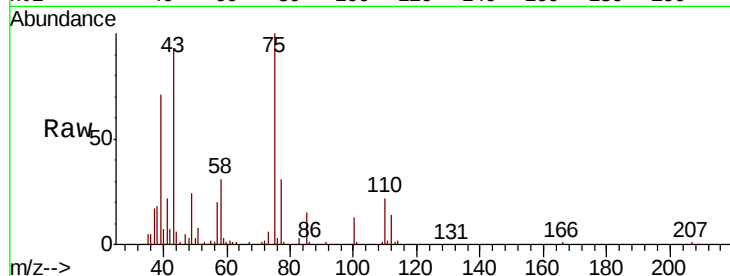
77 31.5 27.4 41.2

Manual Integrations

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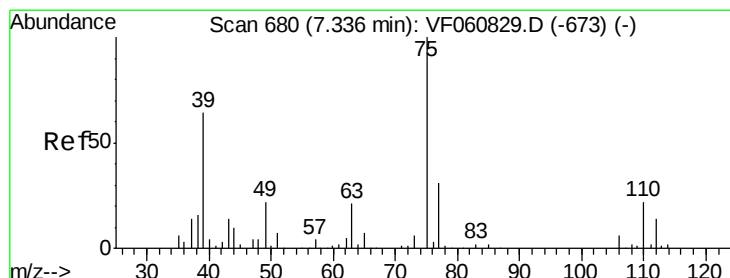
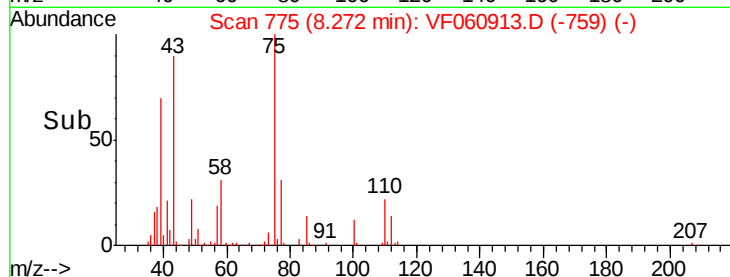
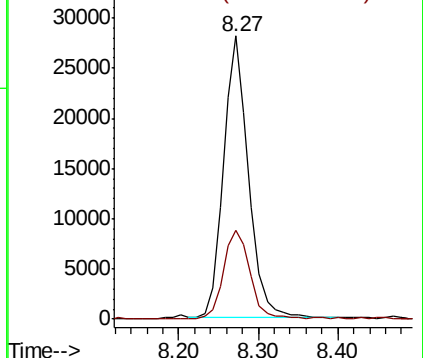
apatel

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 22.617 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.04 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

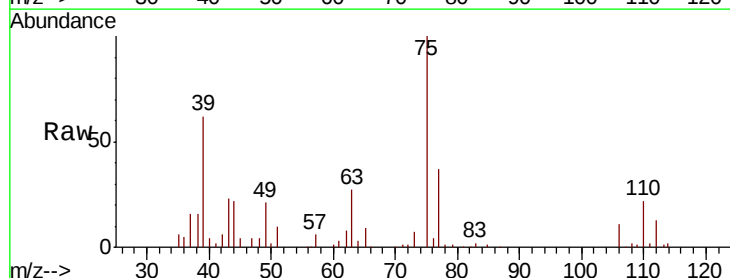
Tgt Ion: 75 Resp: 82047

Ion Ratio Lower Upper

75 100

77 37.3 25.0 37.6

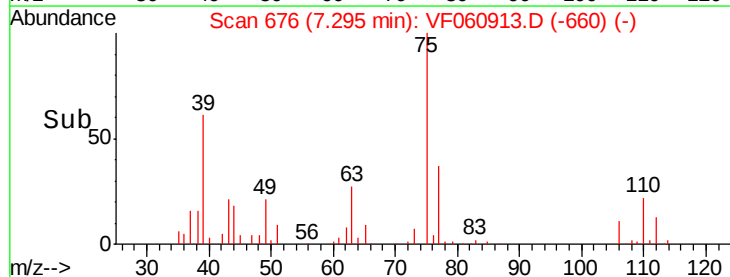
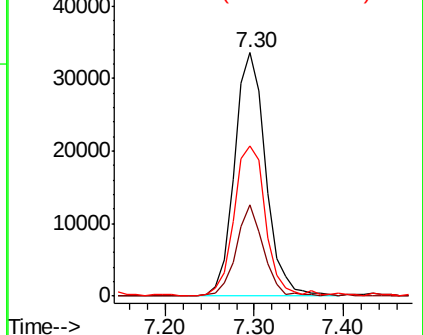
39 61.8 51.1 76.7

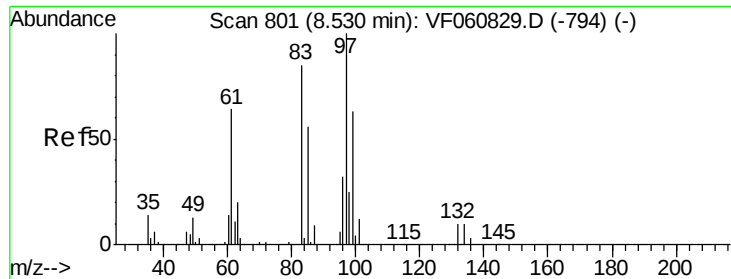


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 22.385 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.05 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

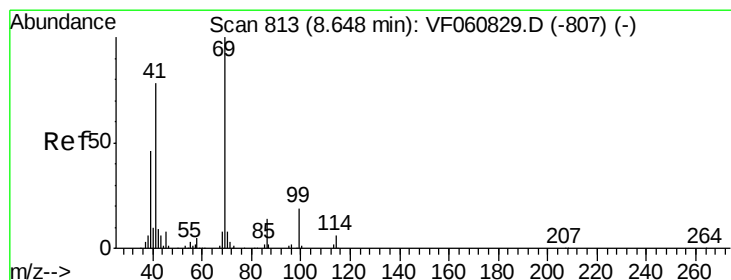
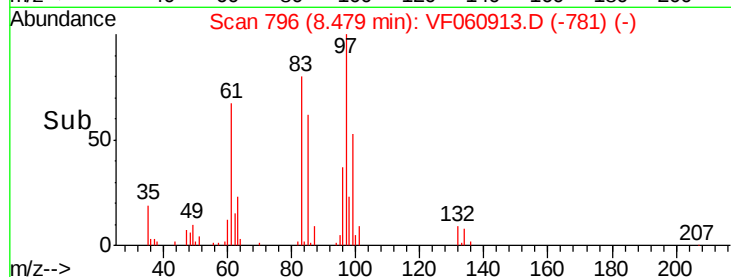
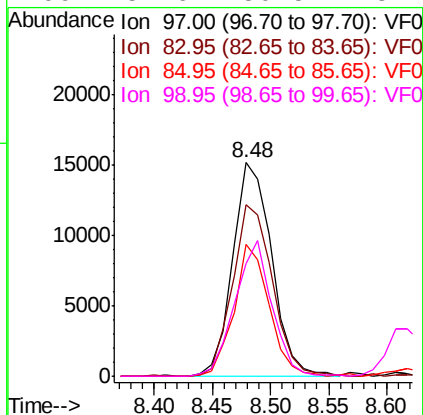
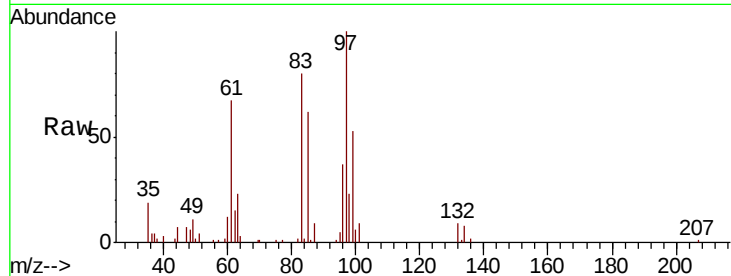
ClientSampleId :

VF1206SBS01

Tot Ion:	97	Resp:	35272
Ion	Ratio	Lower	Upper
97	100		
83	80.2	67.8	101.6
85	62.0	45.0	67.6
99	52.6	50.5	75.7

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#56

Ethyl methacrylate

Concen: 20.957 ug/l

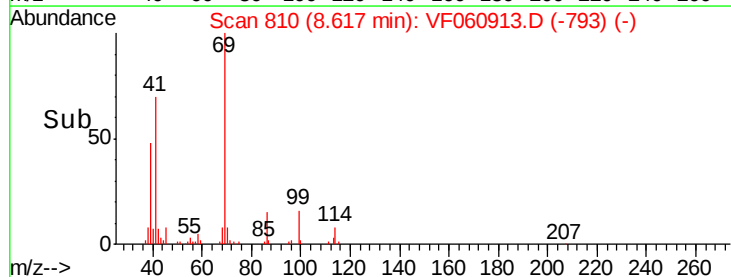
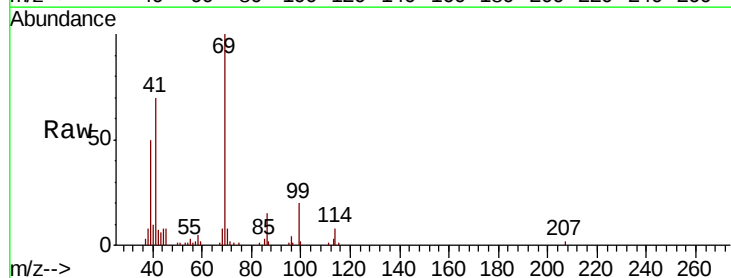
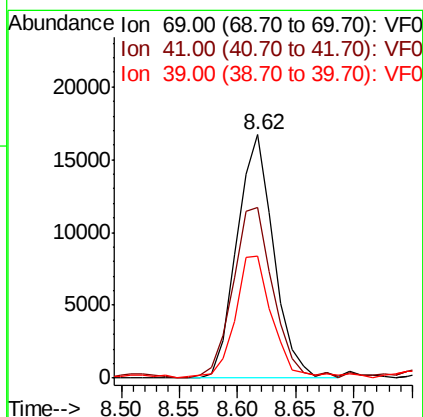
RT: 8.62 min Scan# 810

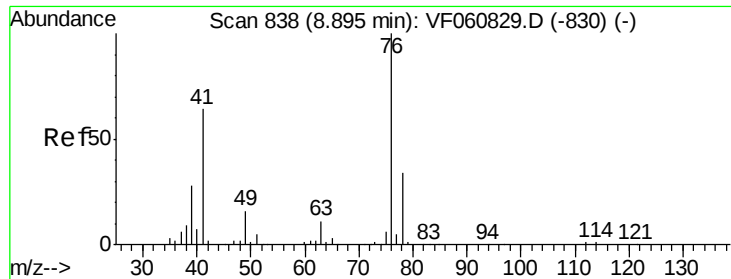
Delta R.T. -0.03 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Tgt Ion:	69	Resp:	36683
Ion	Ratio	Lower	Upper
69	100		
41	70.0	62.6	94.0
39	49.9	37.8	56.6





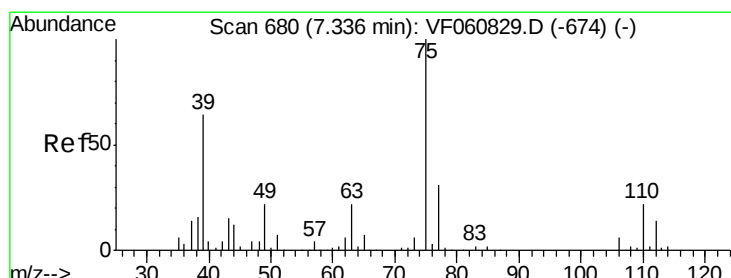
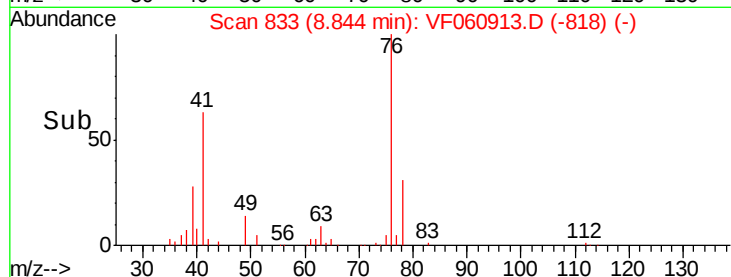
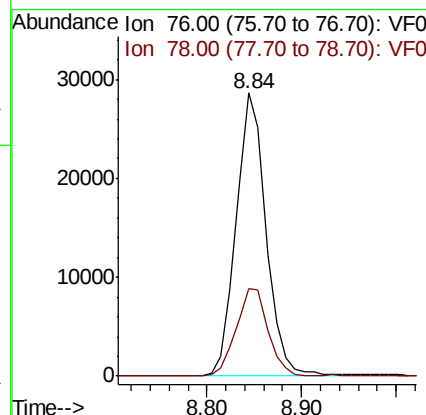
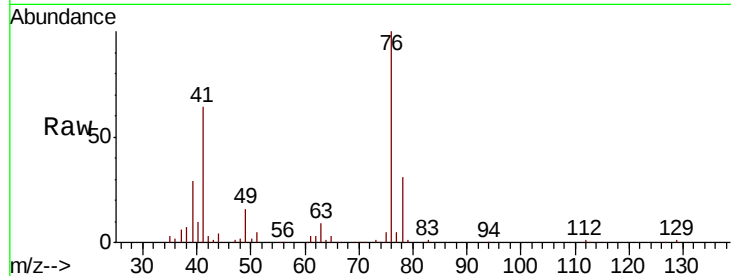
#57
 1,3-Dichloropropane
 Concen: 22.750 ug/l
 RT: 8.84 min Scan# 833
 Delta R.T. -0.05 min
 Lab File: VF060913.D
 Acq: 6 Dec 2018 13:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1206SBS01

Tot Ion: 76 Resp: 62715
 Ion Ratio Lower Upper
 76 100
 78 31.0 27.0 40.4

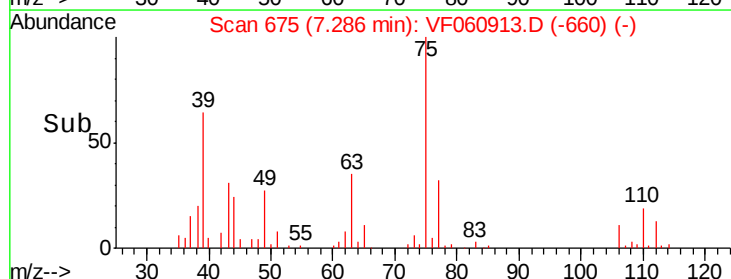
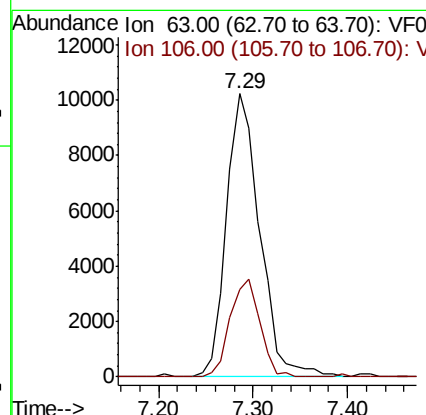
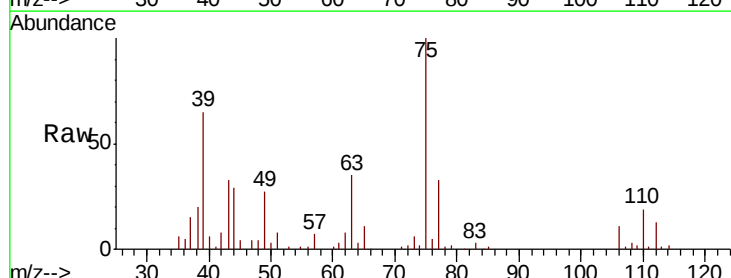
Manual Integrations
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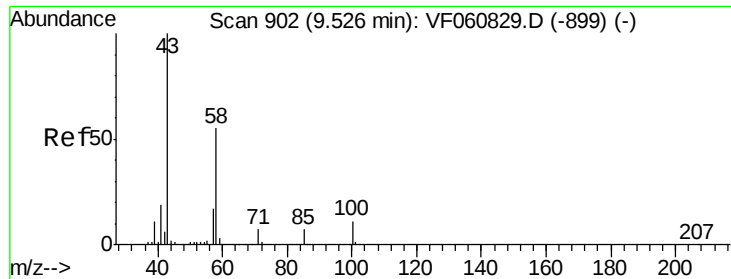
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 139.616 ug/l
 RT: 7.29 min Scan# 675
 Delta R.T. -0.05 min
 Lab File: VF060913.D
 Acq: 6 Dec 2018 13:16

Tgt Ion: 63 Resp: 24997
 Ion Ratio Lower Upper
 63 100
 106 31.0 23.0 34.6





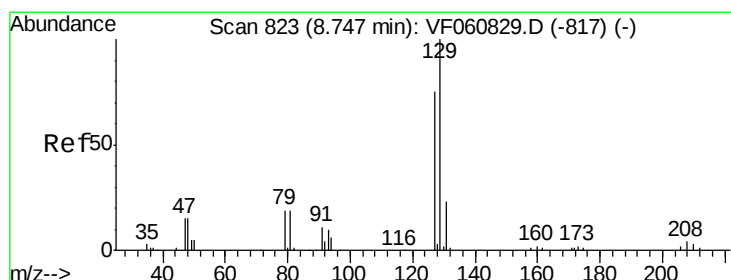
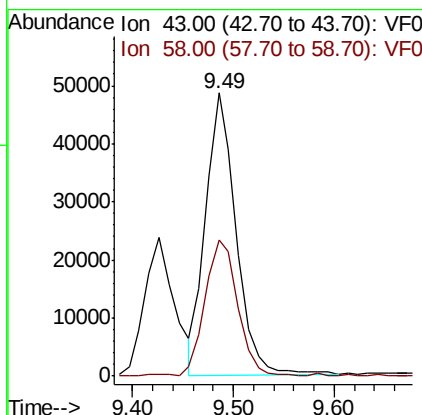
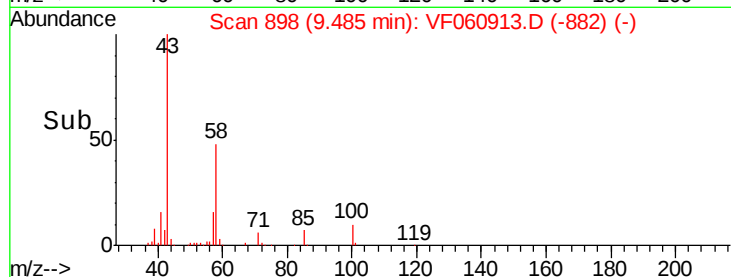
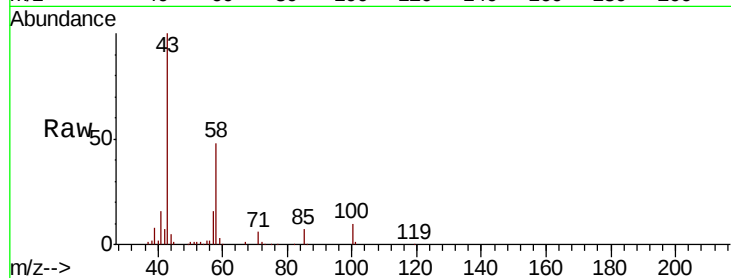
#59
2-Hexanone
Concen: 111.287 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.04 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion: 43 Resp: 101957
Ion Ratio Lower Upper
43 100
58 48.1 25.6 76.6

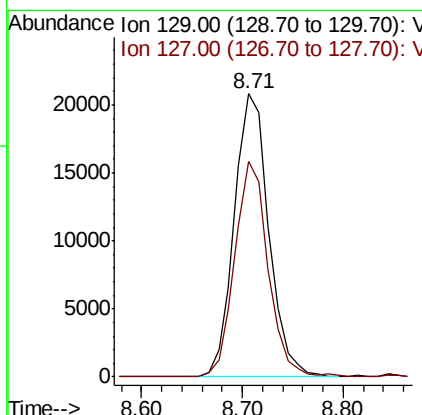
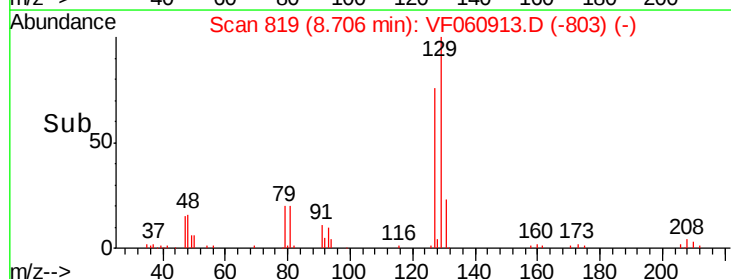
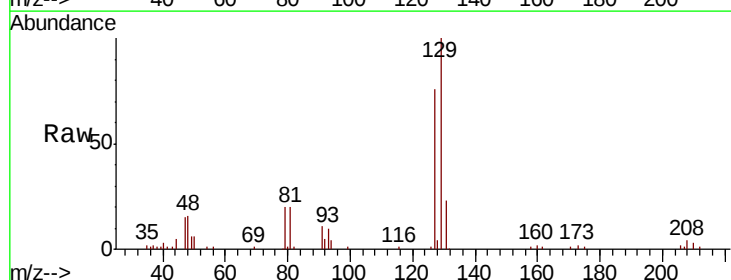
Manual Integrations
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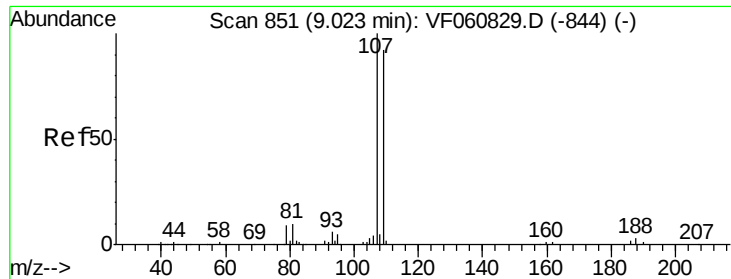
apatel
12/7/2018 12:07:33 PM



#60
Dibromochloromethane
Concen: 21.194 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.04 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

Tgt Ion:129 Resp: 49759
Ion Ratio Lower Upper
129 100
127 76.2 37.3 111.9





#61

1,2-Dibromoethane

Concen: 20.990 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.04 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion:107 Resp: 35729

Ion Ratio Lower Upper

107 100

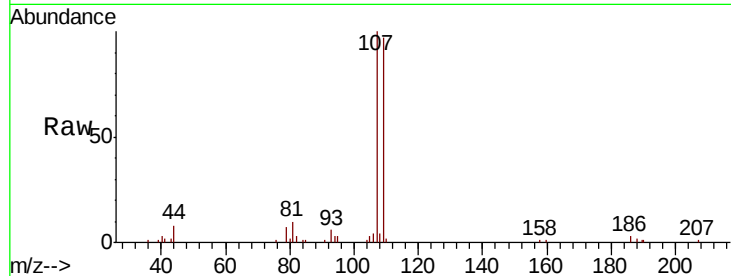
109 96.5 73.6 110.4

Manual Integrations

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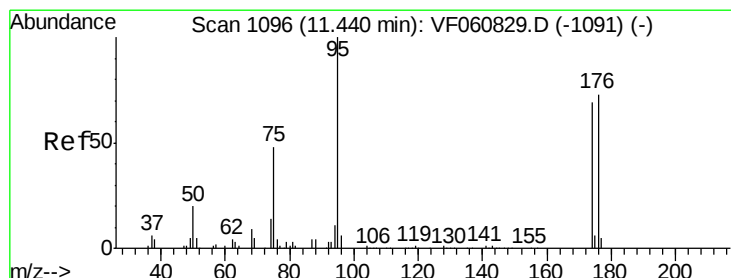
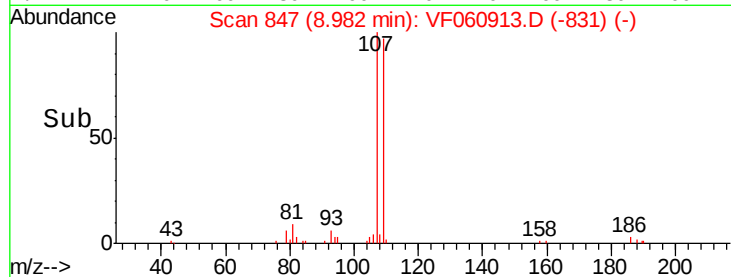
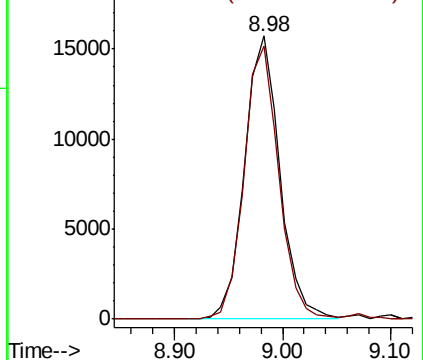
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 49.885 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

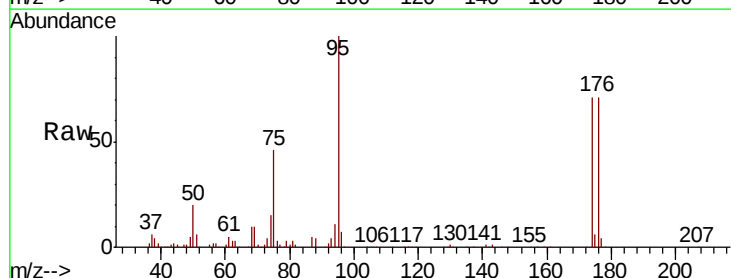
Tgt Ion: 95 Resp: 166459

Ion Ratio Lower Upper

95 100

174 71.3 0.0 138.2

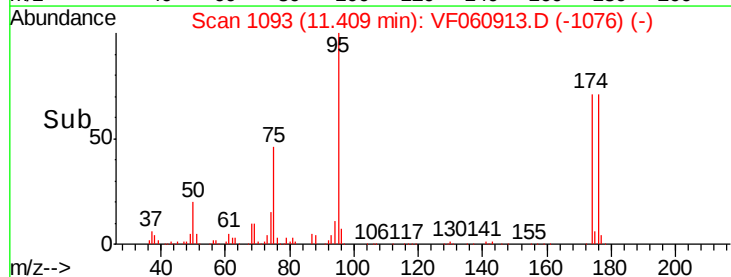
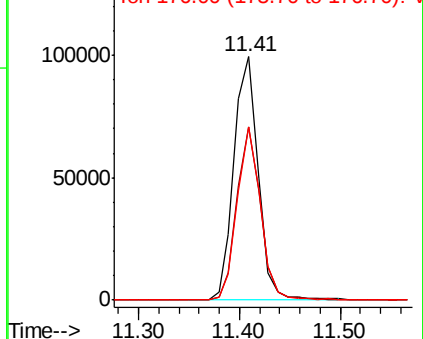
176 71.0 0.0 146.2

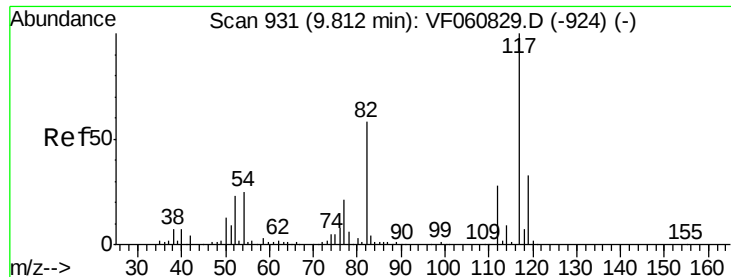


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





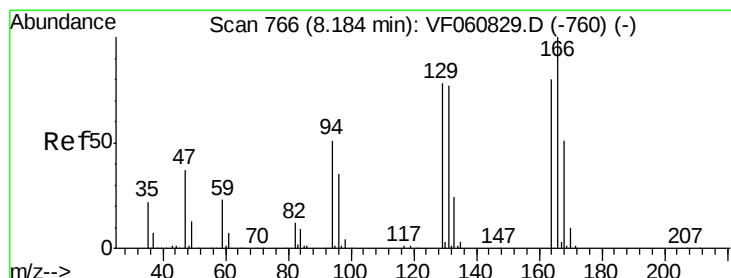
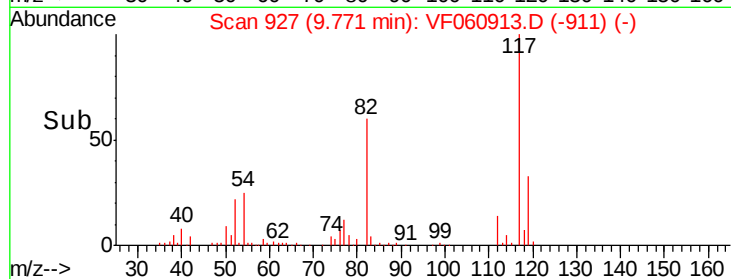
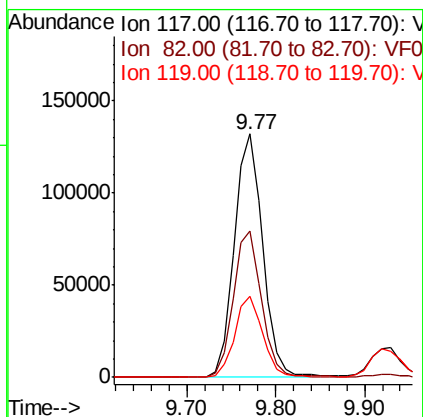
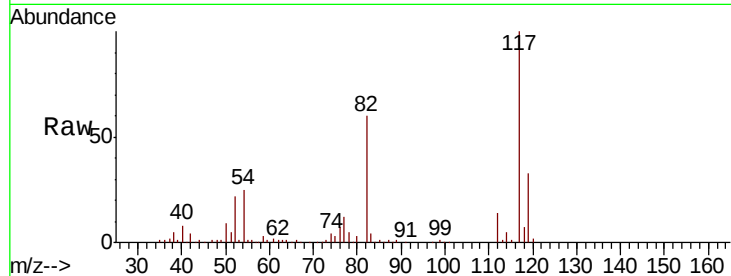
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	295326		
82	59.9	46.6	69.8	
119	33.2	26.4	39.6	

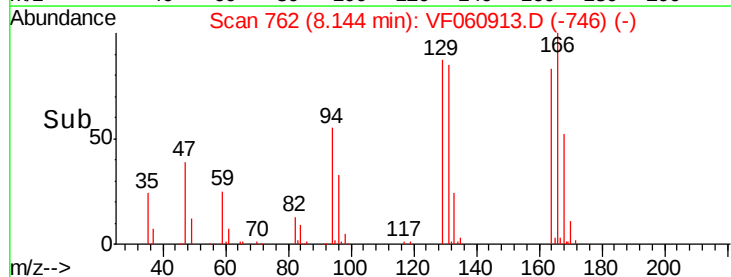
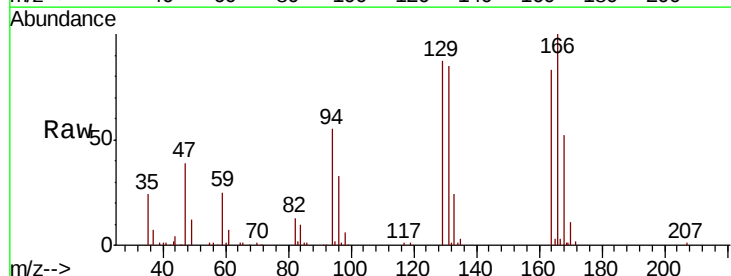
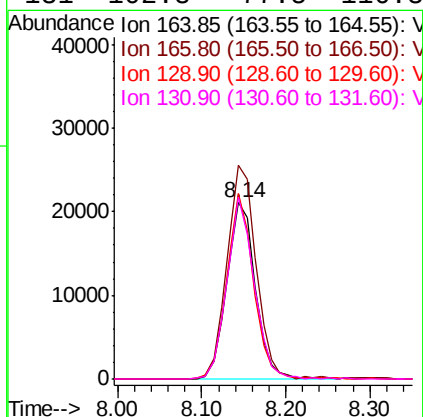
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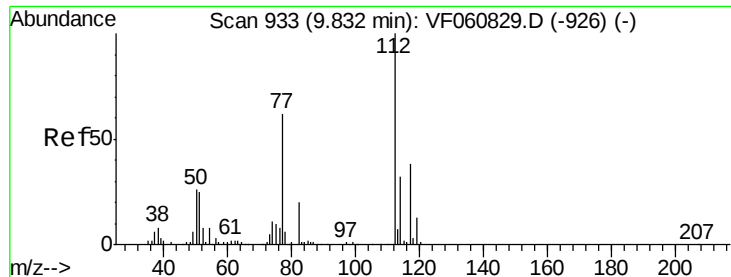
apatel
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#64
Tetrachloroethene
Concen: 22.000 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.04 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	49625		
166	121.0	100.3	150.5	
129	104.9	77.9	116.9	
131	102.8	77.5	116.3	





#65

Chlorobenzene

Concen: 22.190 ug/l

RT: 9.79 min Scan# 929

Delta R.T. -0.04 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion:112 Resp: 127489

Ion Ratio Lower Upper

112 100

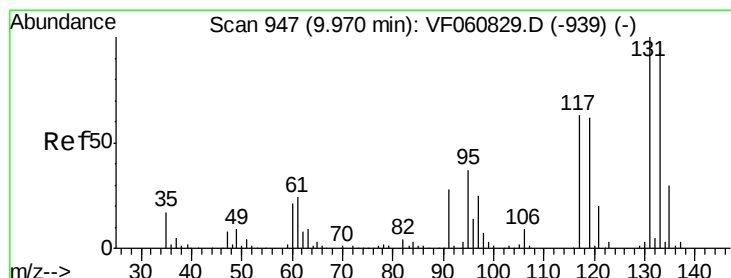
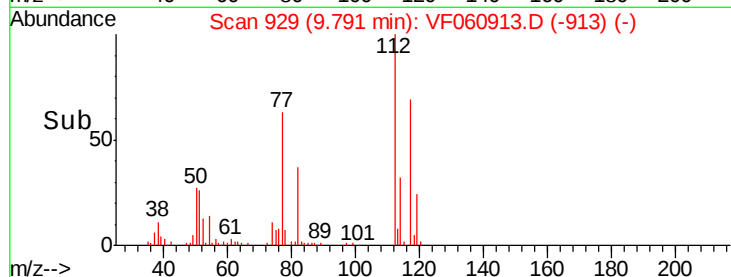
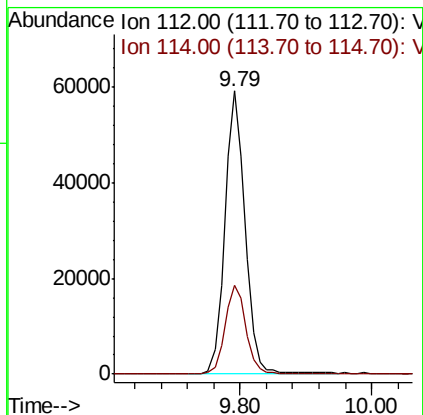
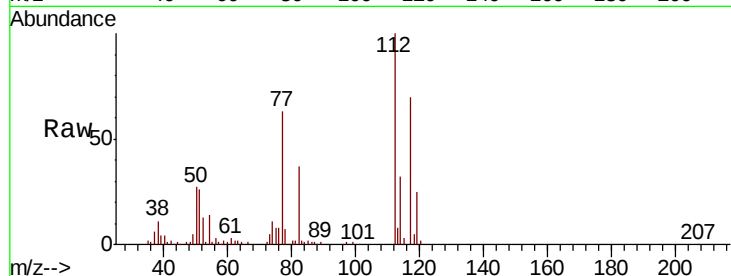
114 31.6 26.0 39.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 22.172 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.04 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

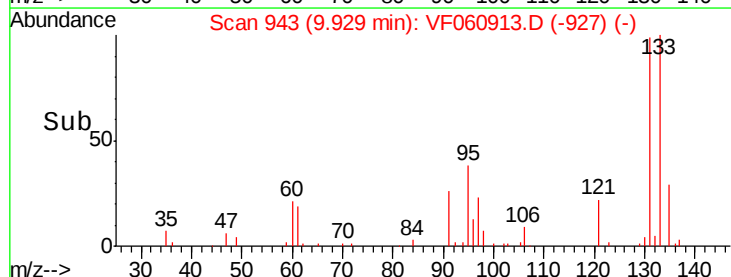
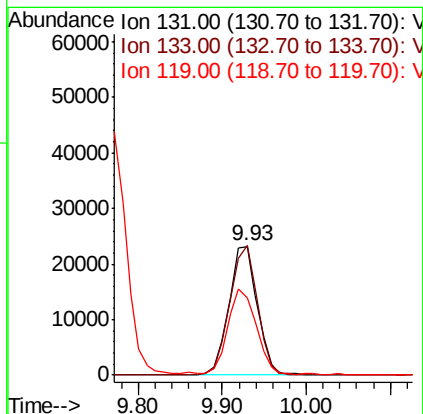
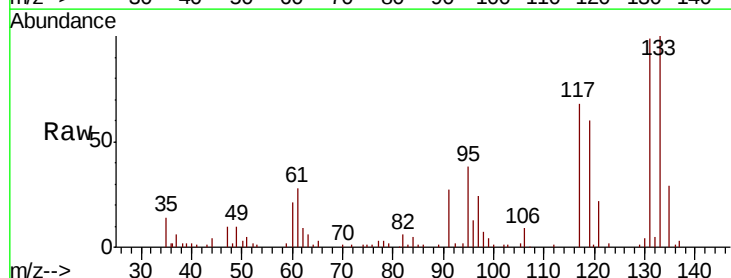
Tgt Ion:131 Resp: 54761

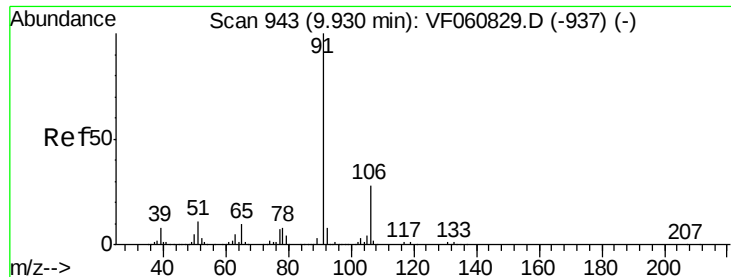
Ion Ratio Lower Upper

131 100

133 101.0 46.5 139.3

119 60.2 31.1 93.3





#67

Ethyl Benzene

Concen: 24.158 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.04 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion: 91 Resp: 258388

Ion Ratio Lower Upper

91 100

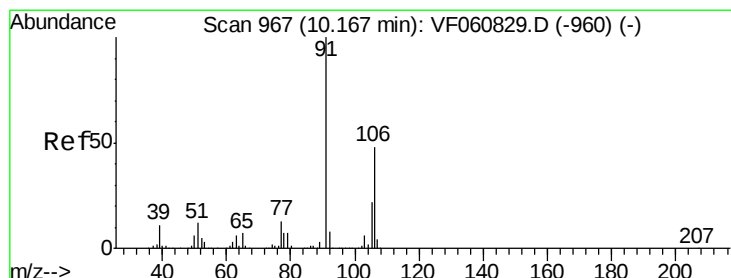
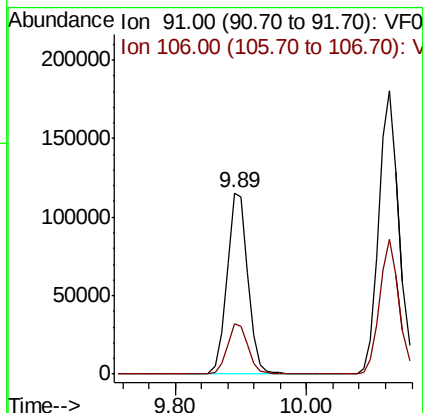
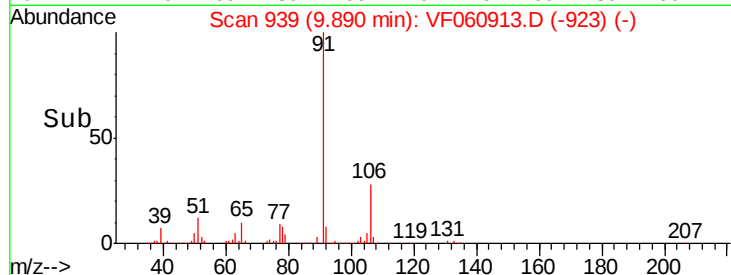
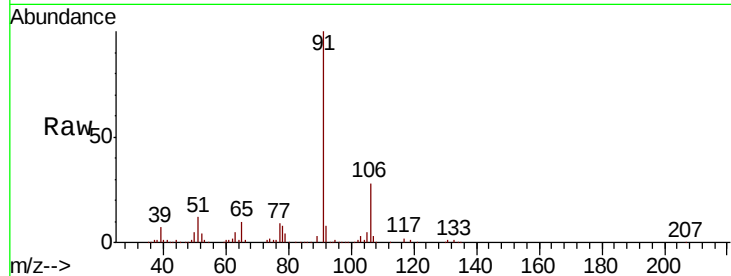
106 27.5 22.2 33.2

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#68

m/p-Xylenes

Concen: 46.654 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.04 min

Lab File: VF060913.D

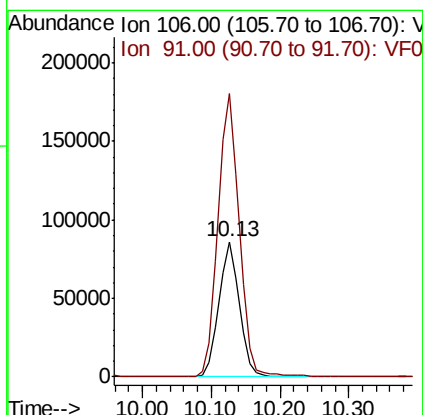
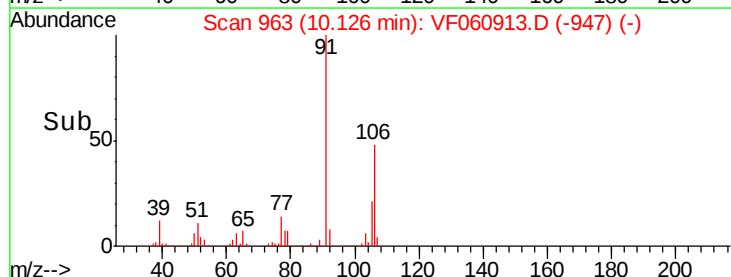
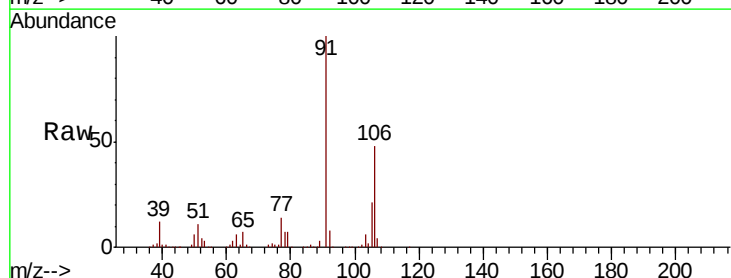
Acq: 6 Dec 2018 13:16

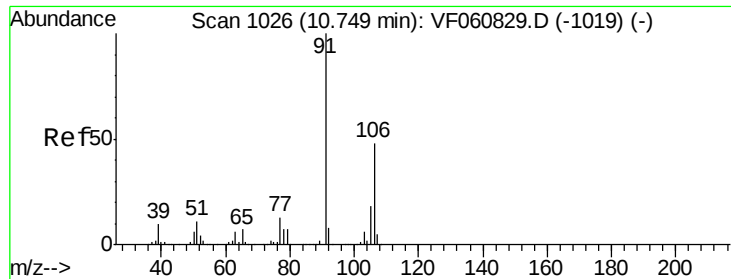
Tgt Ion: 106 Resp: 179473

Ion Ratio Lower Upper

106 100

91 209.4 166.7 250.1





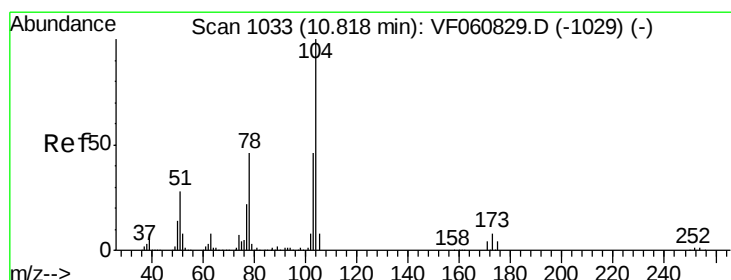
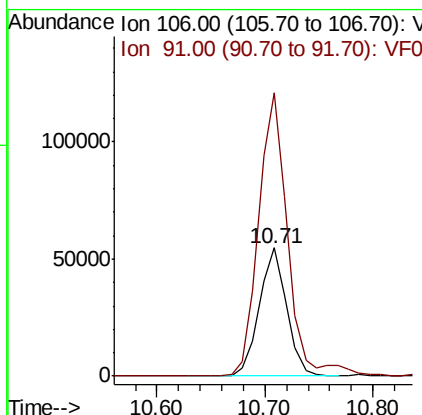
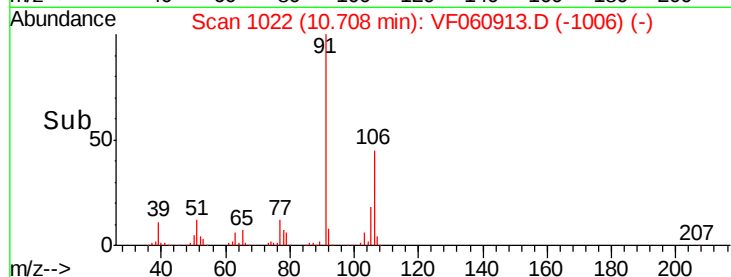
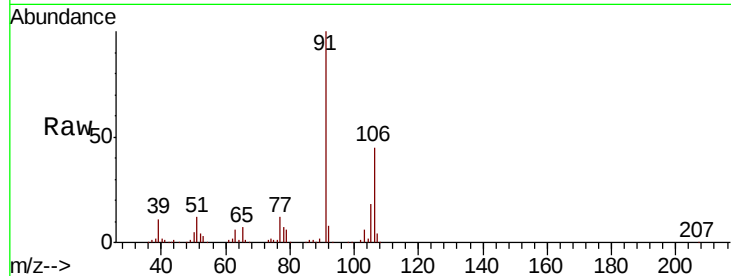
#69
o-Xylene
Concen: 23.058 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.04 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion:106 Resp: 97813
Ion Ratio Lower Upper
106 100
91 221.0 104.8 314.6

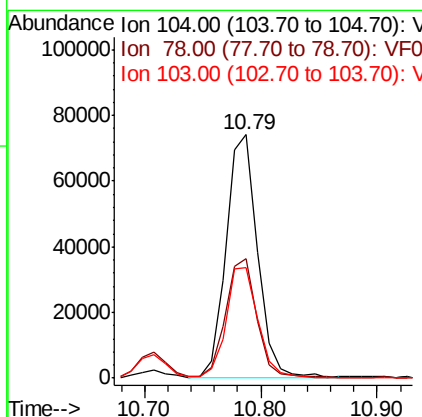
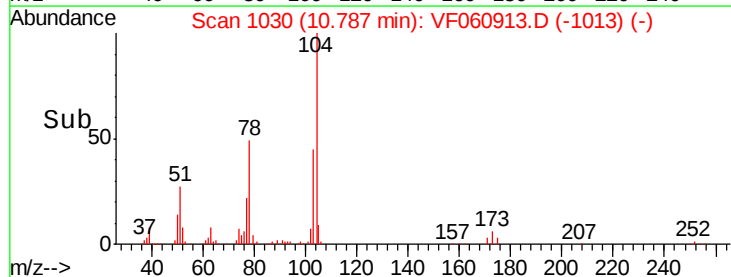
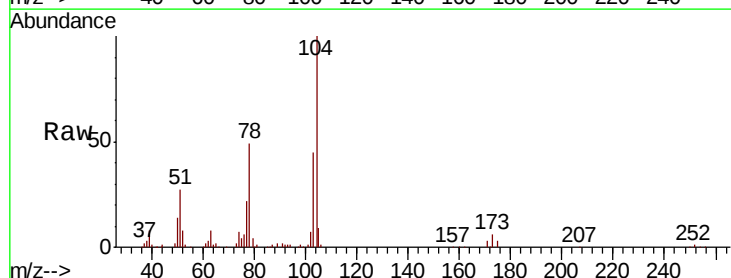
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#70
Styrene
Concen: 23.465 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.03 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

Tgt Ion:104 Resp: 137983
Ion Ratio Lower Upper
104 100
78 48.9 37.3 55.9
103 45.4 36.8 55.2





#71

Bromoform

Concen: 21.773 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.04 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

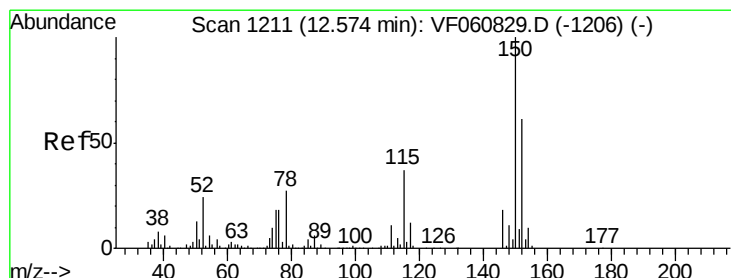
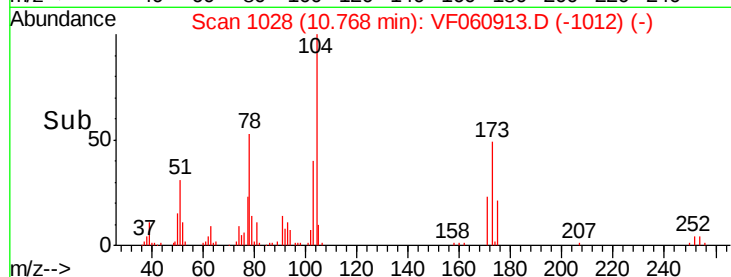
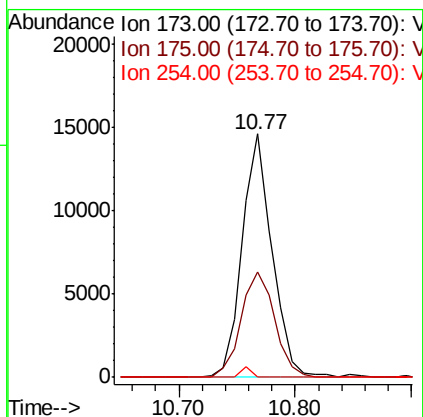
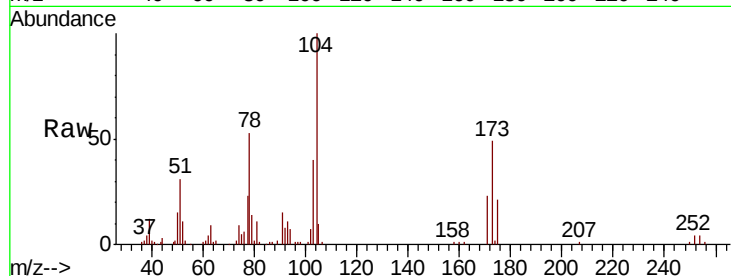
ClientSampleId :

VF1206SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	43.5	25.5	76.5
254	0.0	7.5	11.3

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

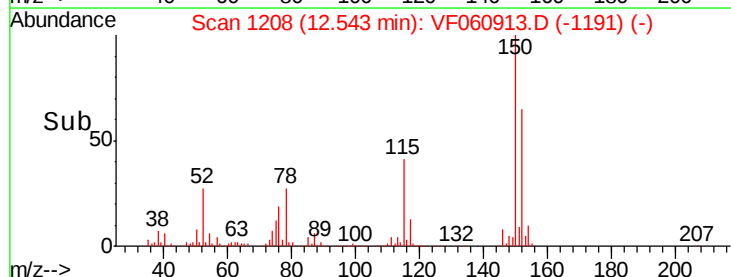
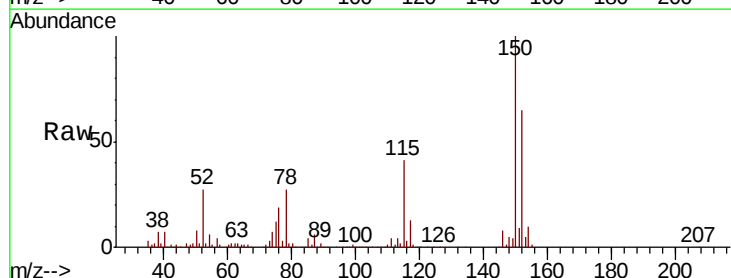
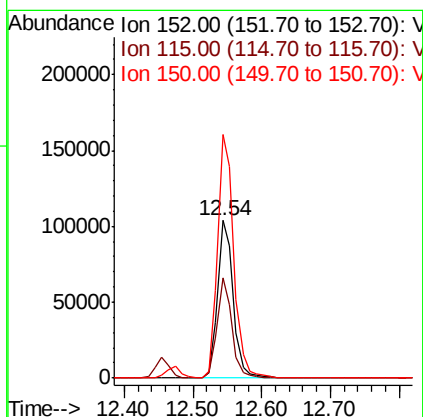
RT: 12.54 min Scan# 1208

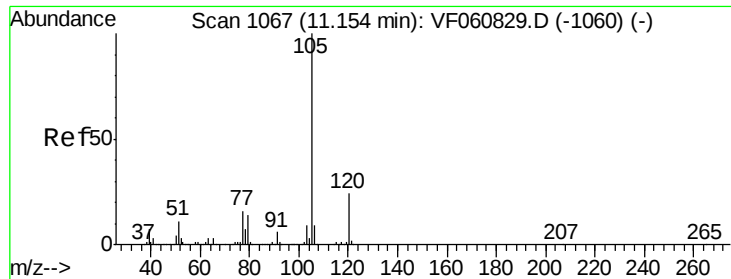
Delta R.T. -0.03 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.3	30.1	90.5
150	154.4	0.0	327.6





#73

Isopropylbenzene

Concen: 22.957 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.03 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion:105 Resp: 296695

Ion Ratio Lower Upper

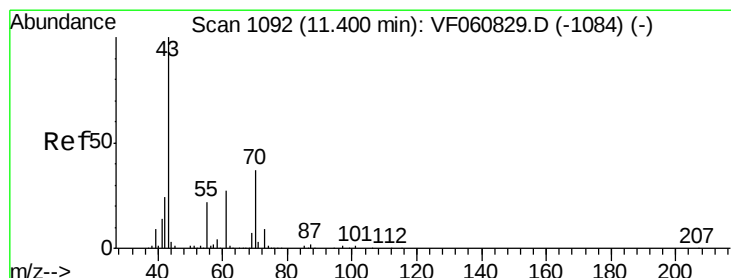
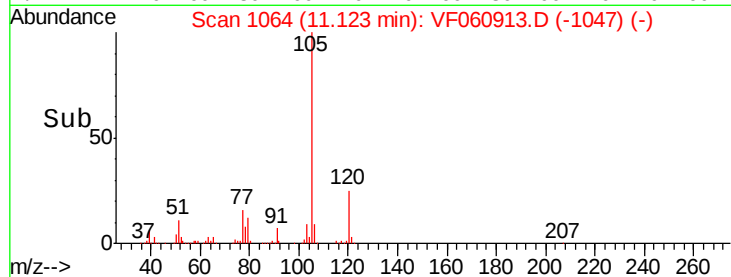
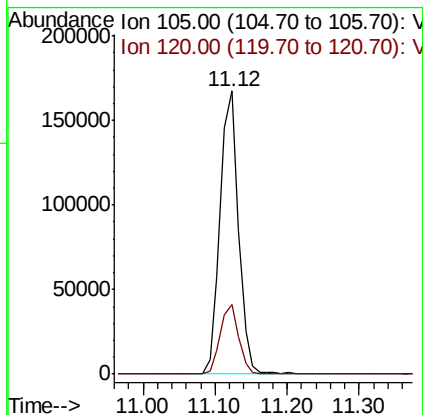
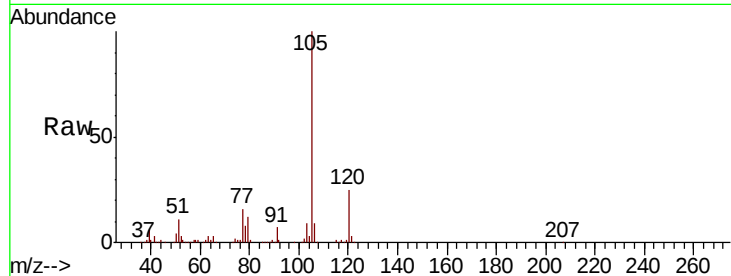
105 100

120 24.6 12.2 36.4

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#74

N-ethyl acetate

Concen: 20.391 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.03 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Tgt Ion: 43 Resp: 60852

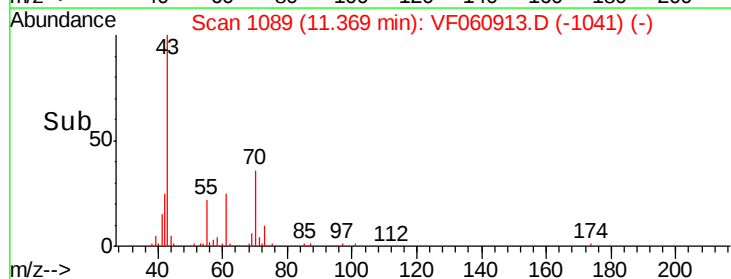
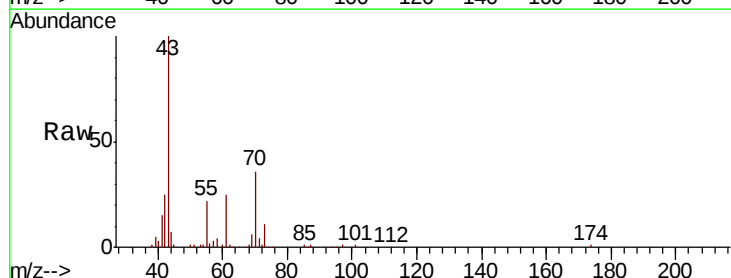
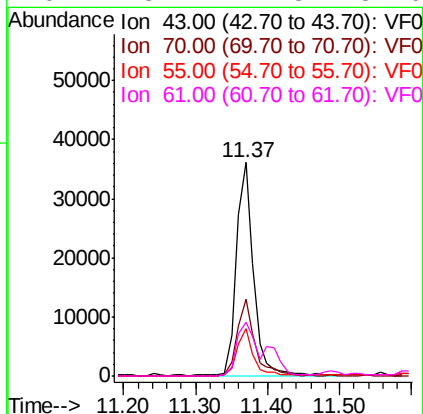
Ion Ratio Lower Upper

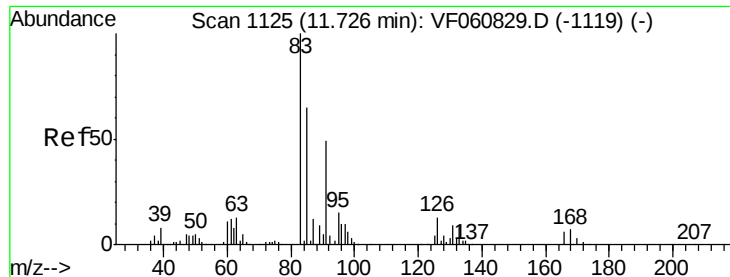
43 100

70 35.9 29.6 44.4

55 21.9 17.2 25.8

61 25.2 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.066 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.04 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

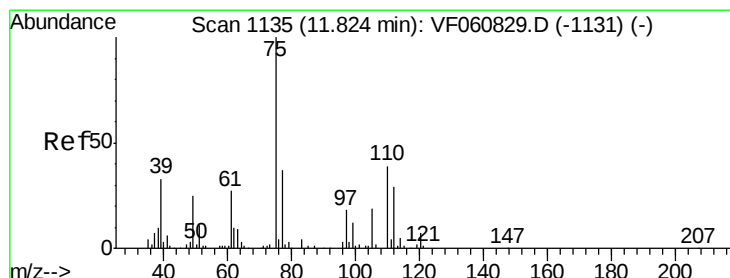
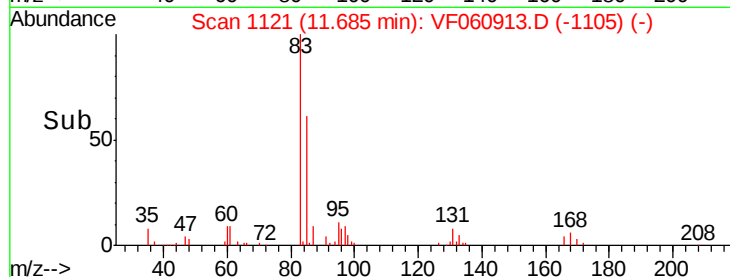
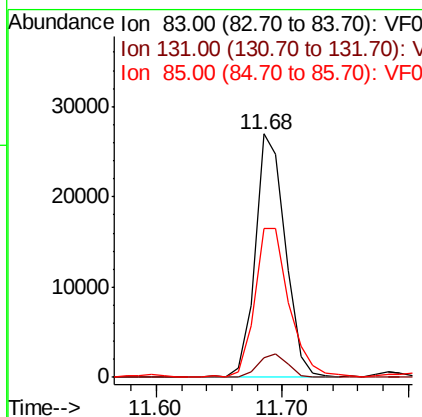
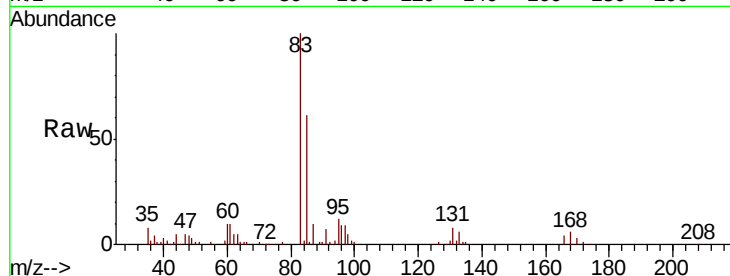
ClientSampleId :

VF1206SBS01

Tot Ion:	83	Resp:	44807
Ion Ratio	Lower	Upper	
83	100		
131	8.2	4.7	14.1
85	61.2	32.6	97.8

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#76

1,2,3-Trichloropropane

Concen: 21.510 ug/l

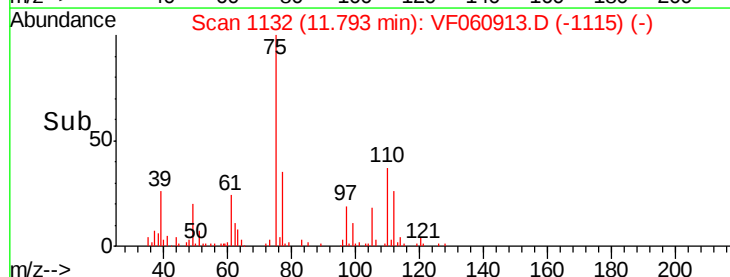
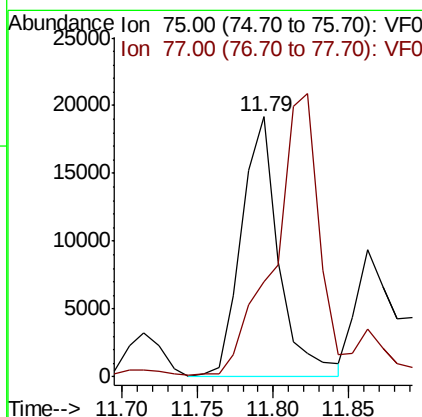
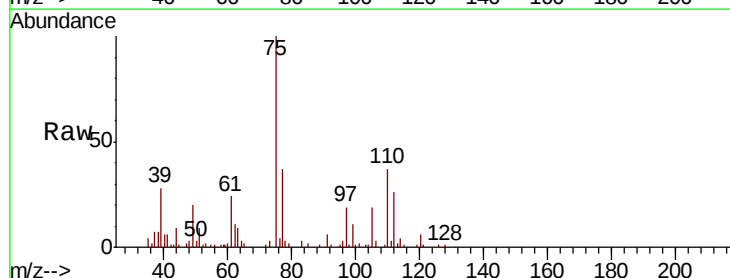
RT: 11.79 min Scan# 1132

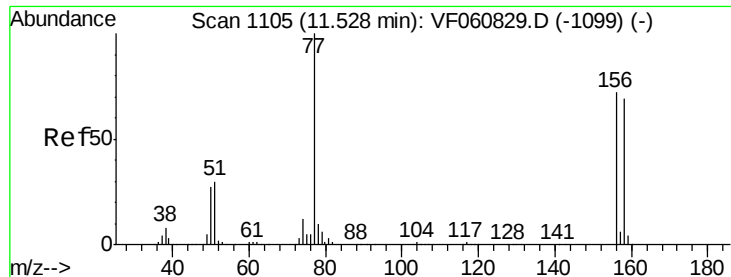
Delta R.T. -0.03 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Tgt Ion:	75	Resp:	33255
Ion Ratio	Lower	Upper	
75	100		
77	36.5	18.4	55.4





#77

Bromobenzene

Concen: 19.766 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.04 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

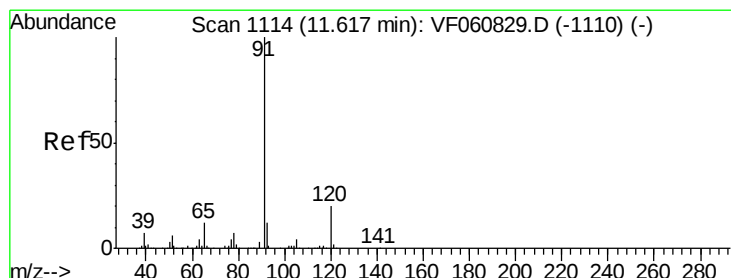
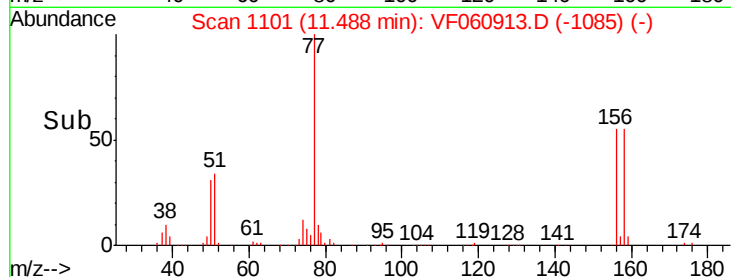
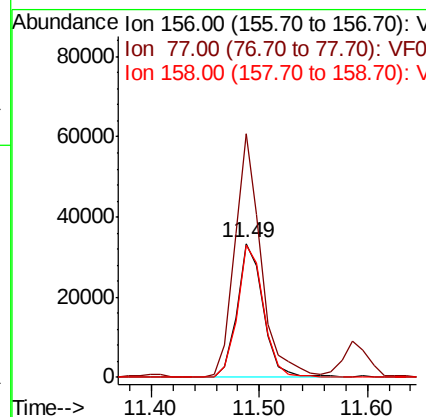
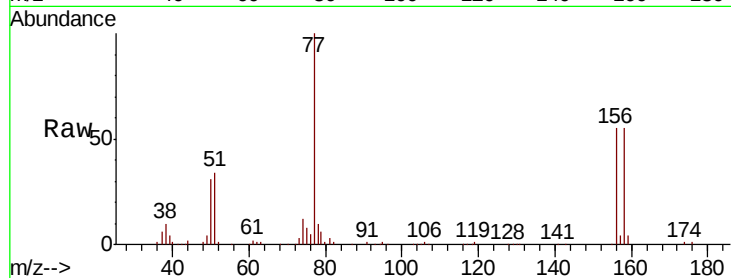
ClientSampleId :

VF1206SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	181.5	69.7	209.0	
158	99.0	47.8	143.4	

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#78

n-propylbenzene

Concen: 22.502 ug/l

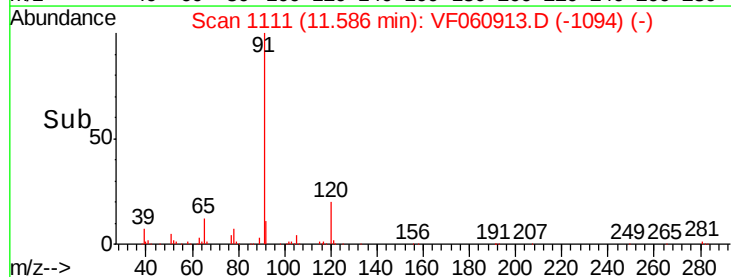
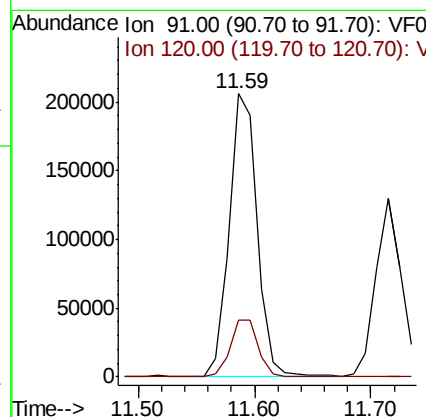
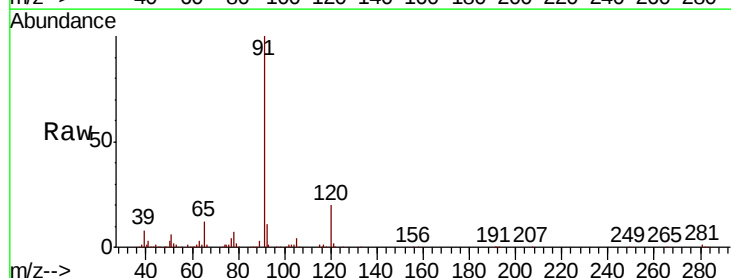
RT: 11.59 min Scan# 1111

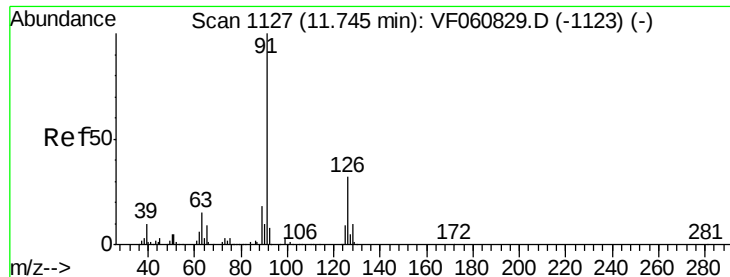
Delta R.T. -0.03 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.1	10.3	30.8	





#79

2-Chlorotoluene

Concen: 22.708 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.03 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion: 91 Resp: 197066

Ion Ratio Lower Upper

91 100

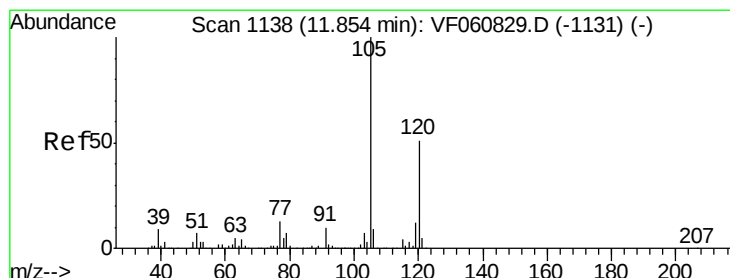
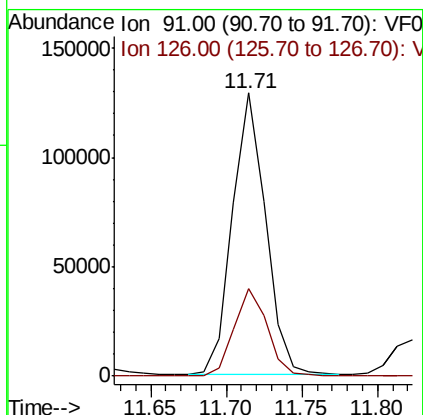
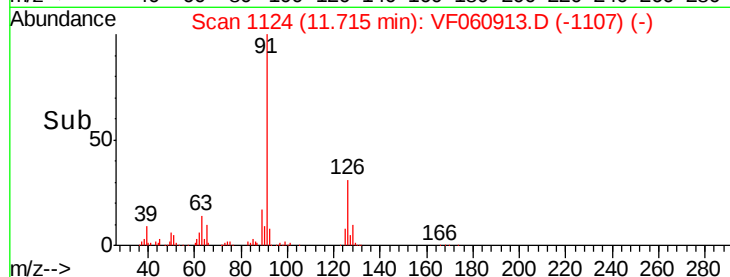
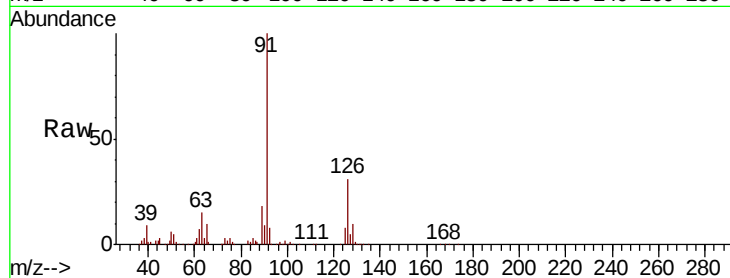
126 30.9 15.9 47.6

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#80

1,3,5-Trimethylbenzene

Concen: 22.115 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.03 min

Lab File: VF060913.D

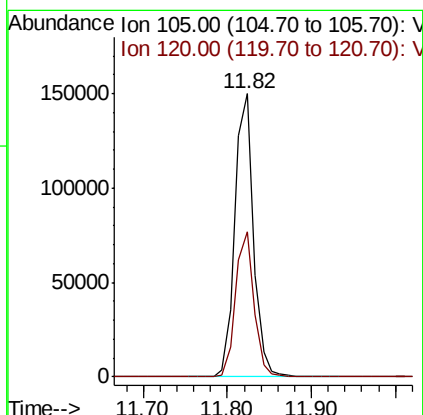
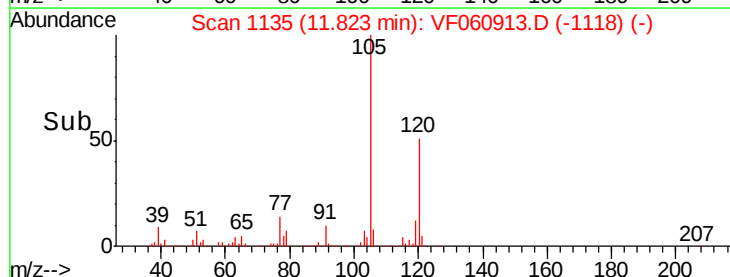
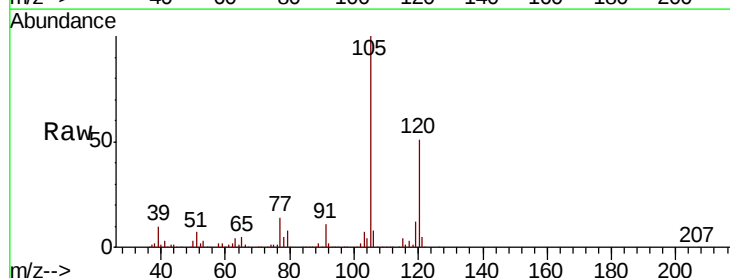
Acq: 6 Dec 2018 13:16

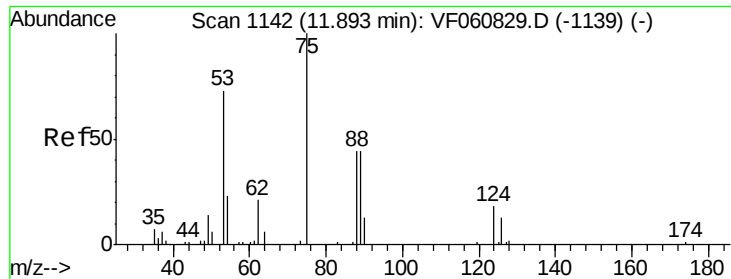
Tgt Ion: 105 Resp: 232029

Ion Ratio Lower Upper

105 100

120 51.1 25.8 77.3





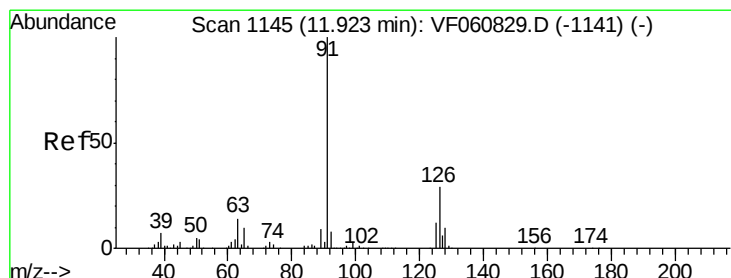
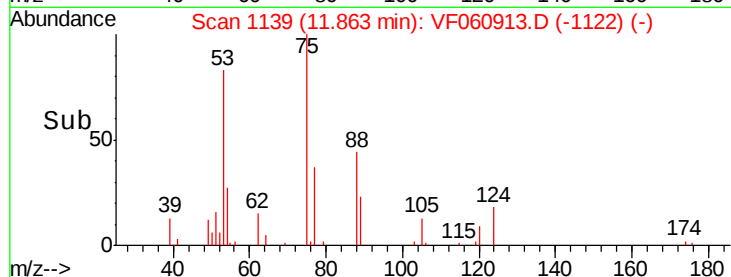
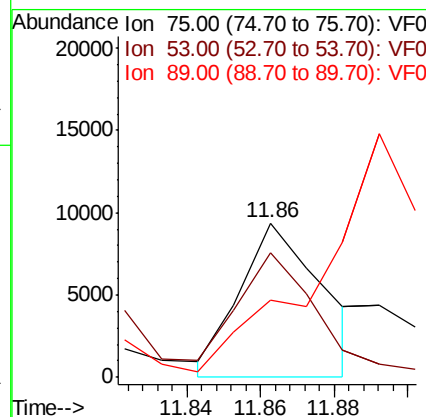
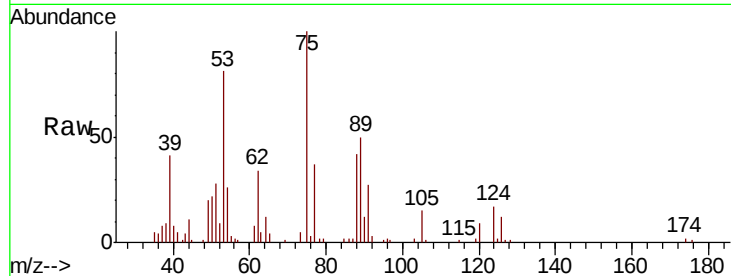
#81
trans-1,4-Dichloro-2-butene
Concen: 19.351 ug/l m
RT: 11.86 min Scan# 1139
Delta R.T. -0.03 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	80.6	65.9	98.9
89	49.6	38.8	58.2

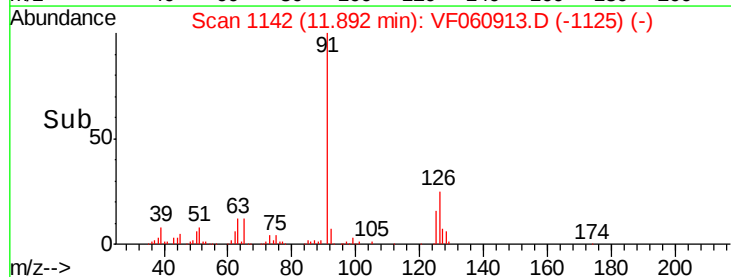
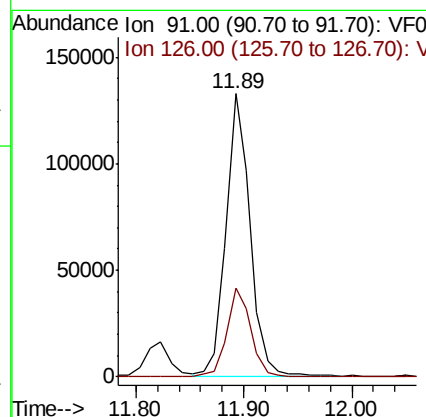
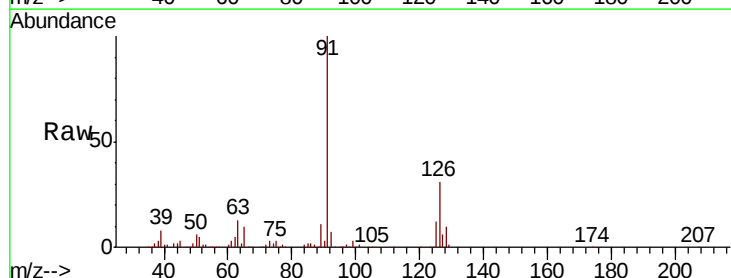
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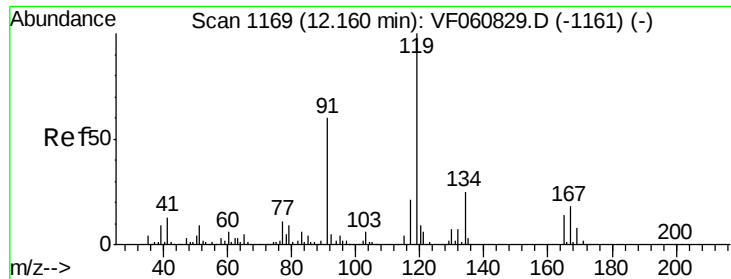
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#82
4-Chlorotoluene
Concen: 22.290 ug/l
RT: 11.89 min Scan# 1142
Delta R.T. -0.03 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	14.8	44.4





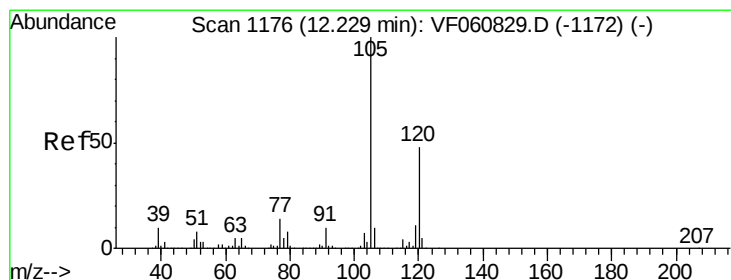
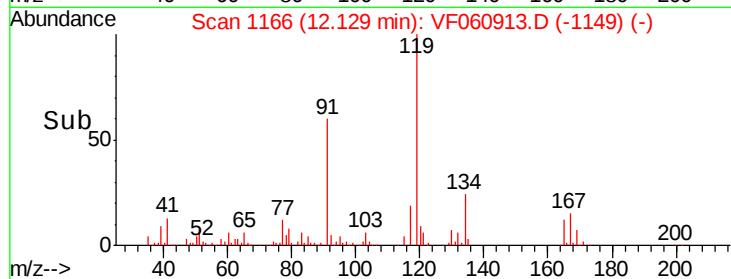
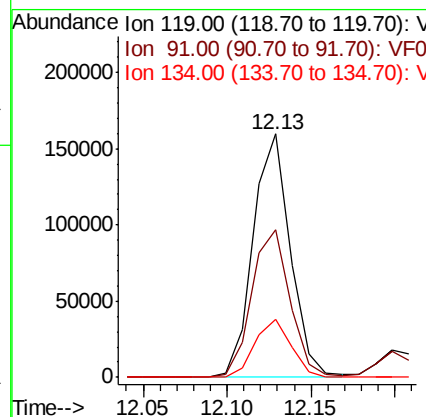
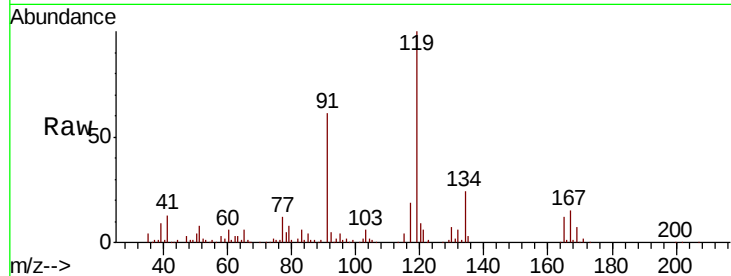
#83
tert-Butylbenzene
Concen: 22.914 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.03 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	244889		
91	60.5		30.1	90.3
134	24.0		12.6	37.8

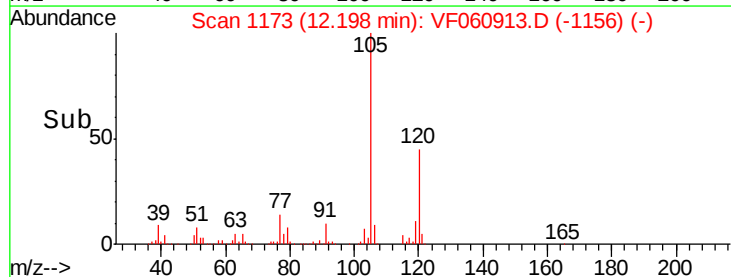
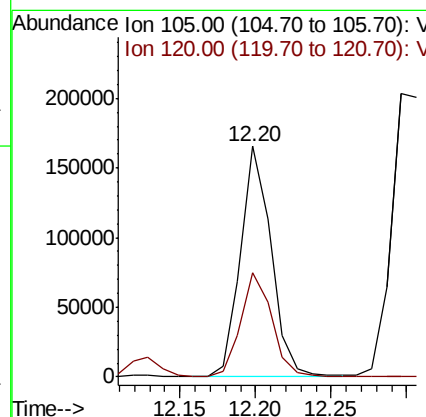
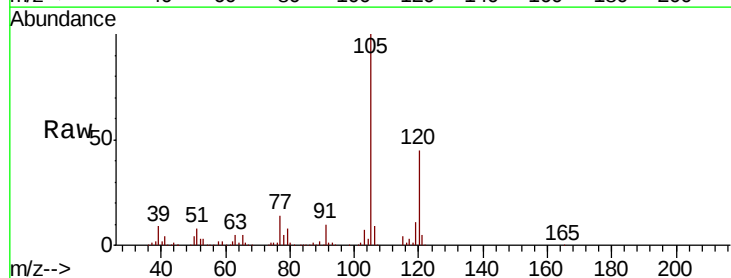
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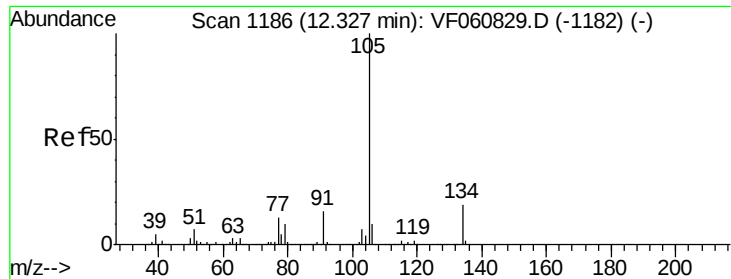
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#84
1,2,4-Trimethylbenzene
Concen: 22.369 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.03 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	234224		
120	45.5		23.8	71.5





#85

sec-Butylbenzene

Concen: 22.665 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.03 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

ClientSampleId :

VF1206SBS01

Tot Ion:105 Resp: 331596

Ion Ratio Lower Upper

105 100

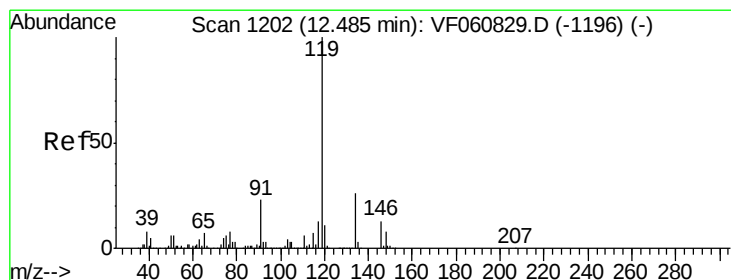
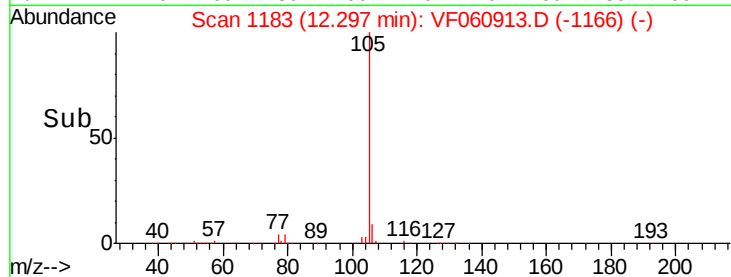
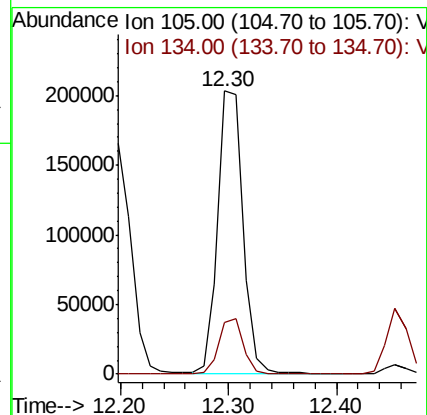
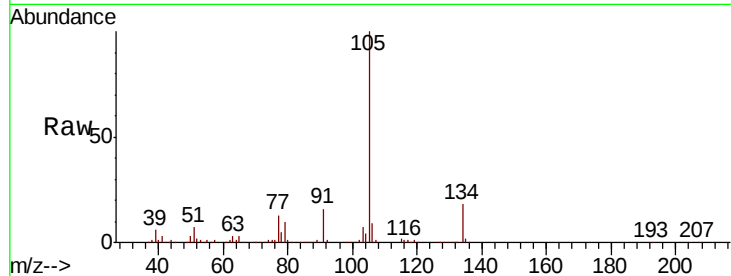
134 18.1 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 22.968 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.03 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

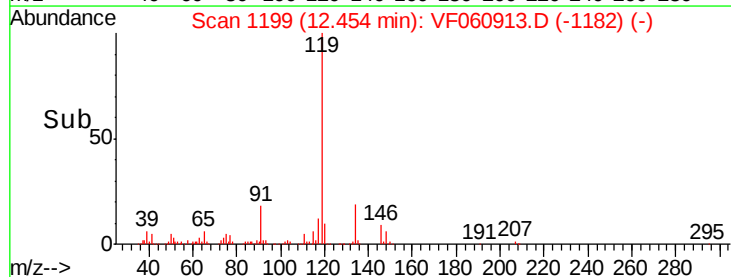
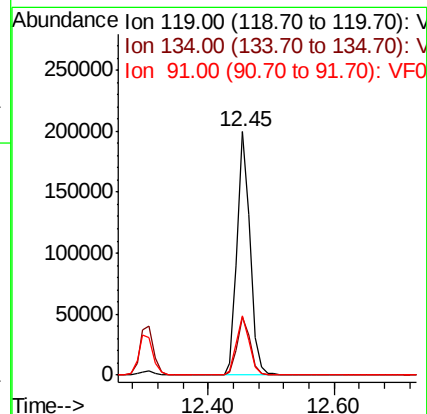
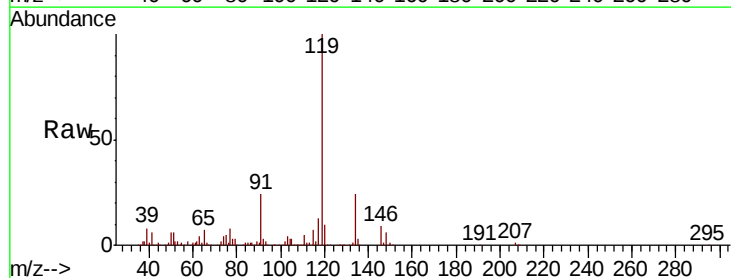
Tgt Ion:119 Resp: 281726

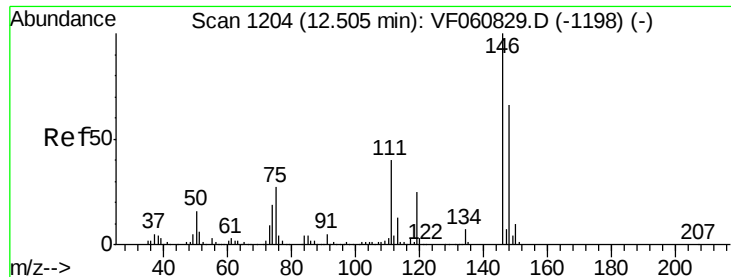
Ion Ratio Lower Upper

119 100

134 23.8 12.9 38.6

91 24.4 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 21.528 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. -0.03 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Instrument :

MSVOA_F

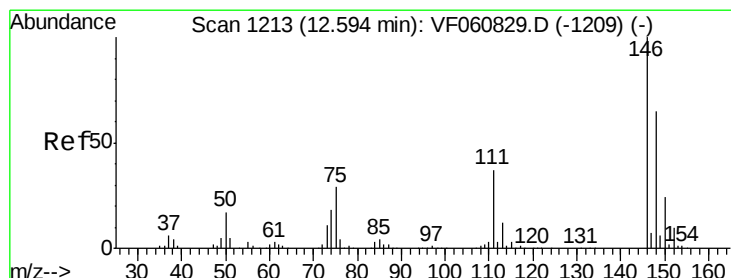
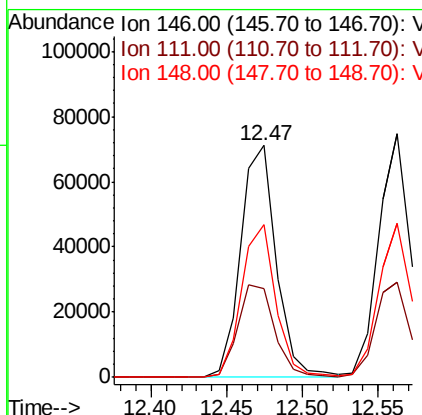
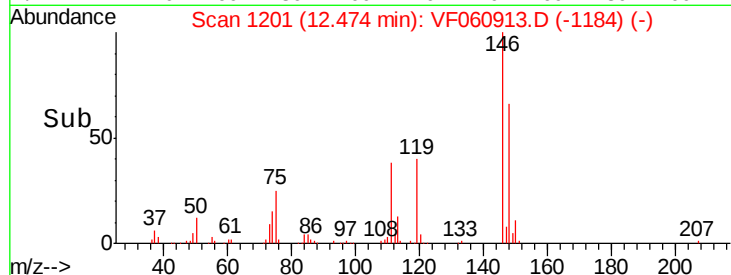
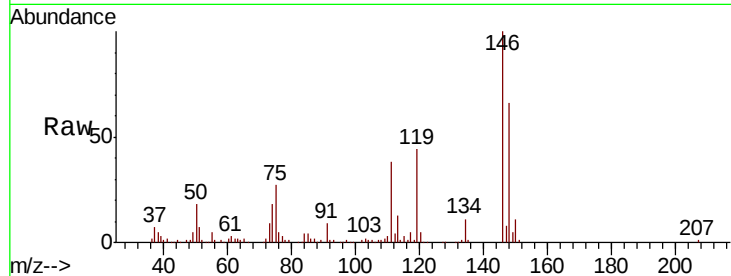
ClientSampleId :

VF1206SBS01

Tot Ion:	146	Resp:	116027
Ion Ratio	Lower	Upper	
146	100		
111	38.1	20.0	59.9
148	65.8	32.9	98.6

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#88

1,4-Dichlorobenzene

Concen: 21.965 ug/l

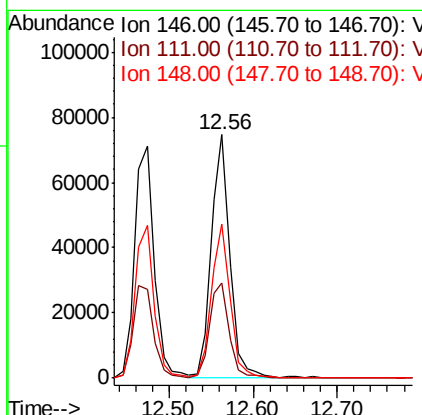
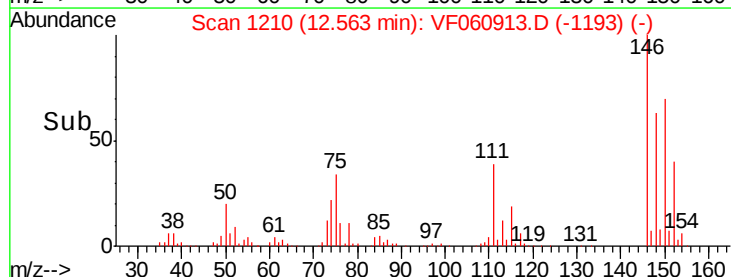
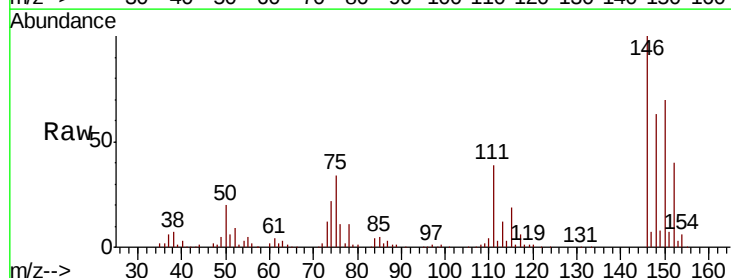
RT: 12.56 min Scan# 1210

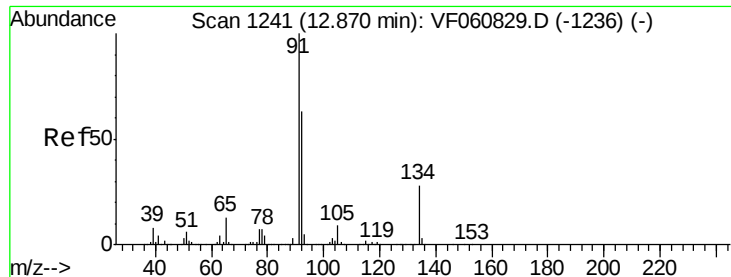
Delta R.T. -0.03 min

Lab File: VF060913.D

Acq: 6 Dec 2018 13:16

Tgt Ion:	146	Resp:	115365
Ion Ratio	Lower	Upper	
146	100		
111	39.3	18.9	56.7
148	63.3	32.3	96.9





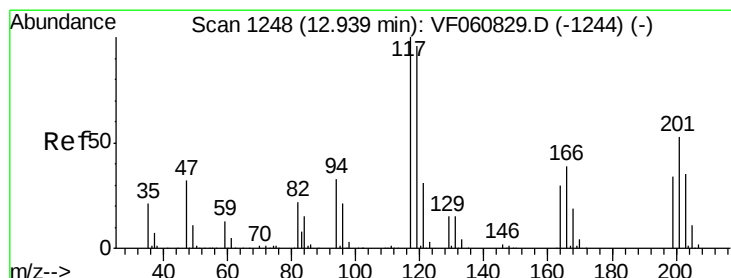
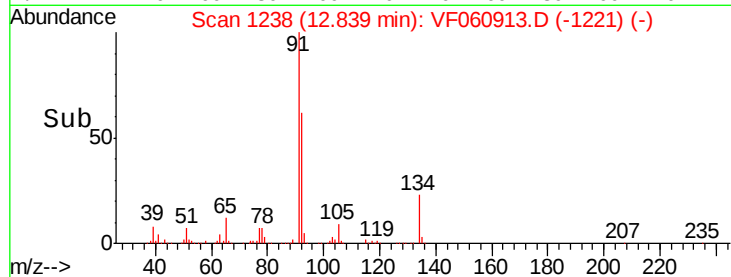
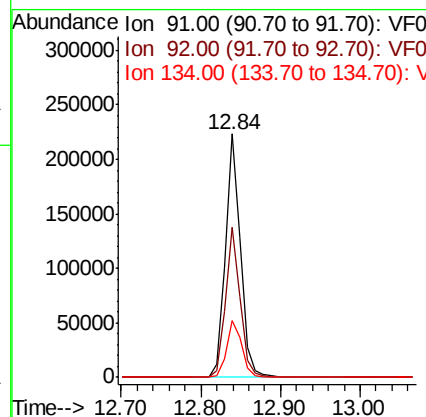
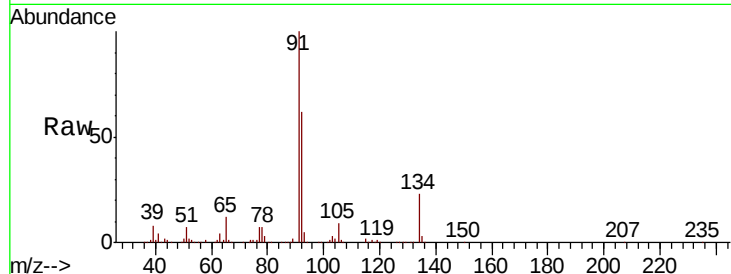
#89
n-Butylbenzene
Concen: 23.988 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.03 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	297518		
92	61.8	31.6	94.7	
134	23.3	13.8	41.4	

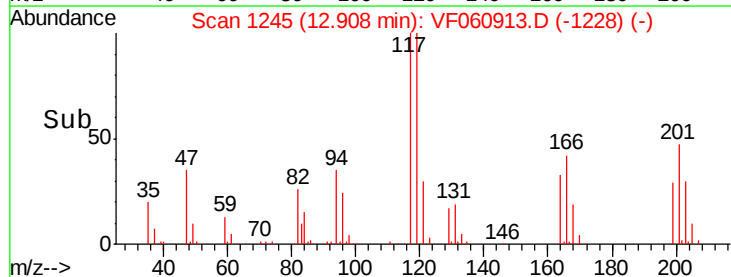
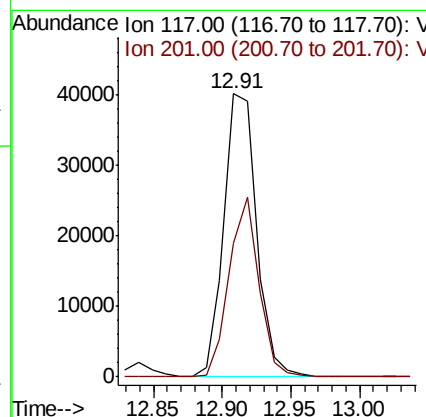
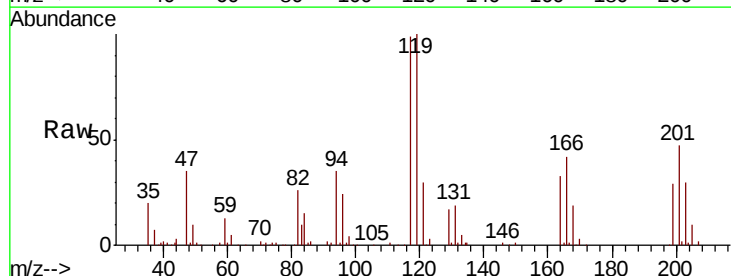
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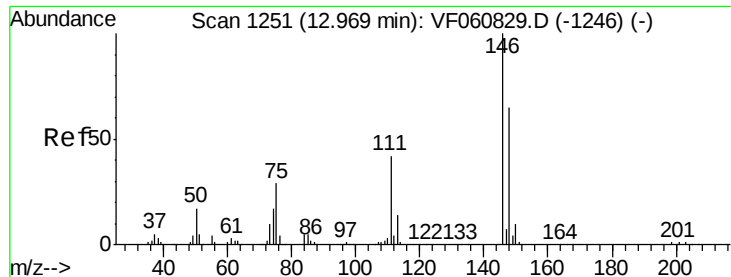
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#90
Hexachloroethane
Concen: 22.547 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.03 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	66597		
201	47.2	26.7	80.1	





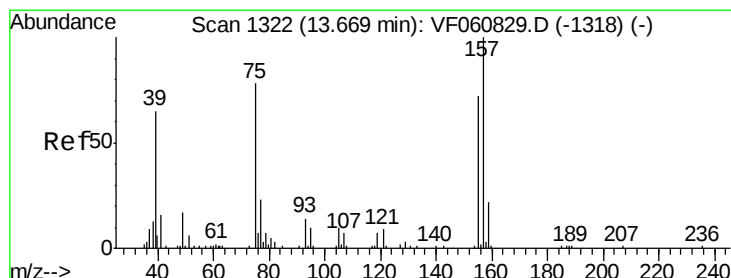
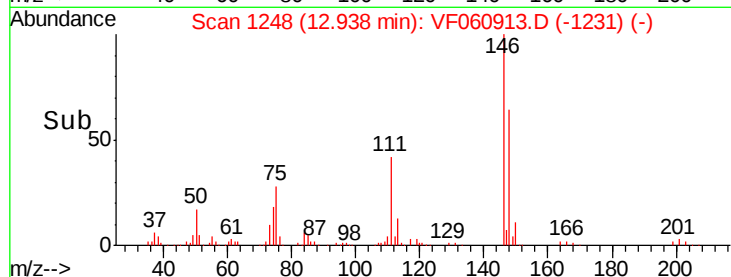
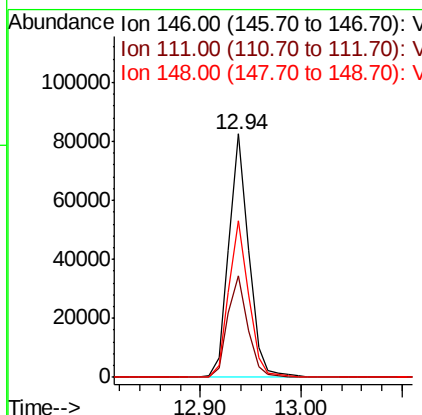
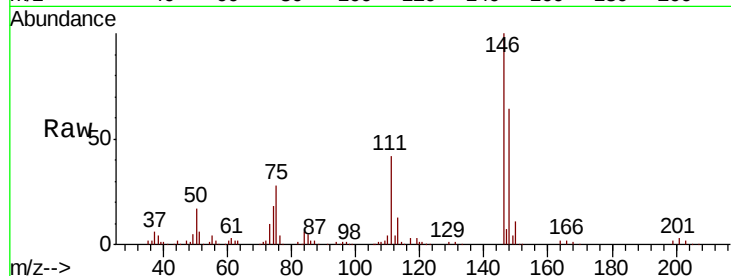
#91
 1,2-Dichlorobenzene
 Concen: 22.246 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.03 min
 Lab File: VF060913.D
 Acq: 6 Dec 2018 13:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1206SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.2	63.6
148	64.2	32.5	97.5

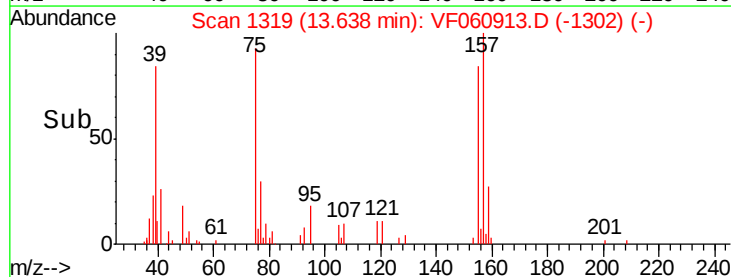
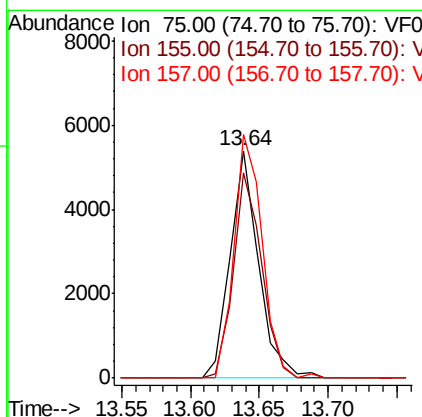
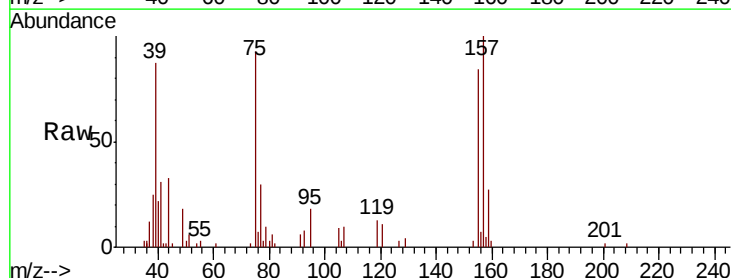
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.963 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.03 min
 Lab File: VF060913.D
 Acq: 6 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.3	45.6	136.9
157	107.1	63.8	191.5





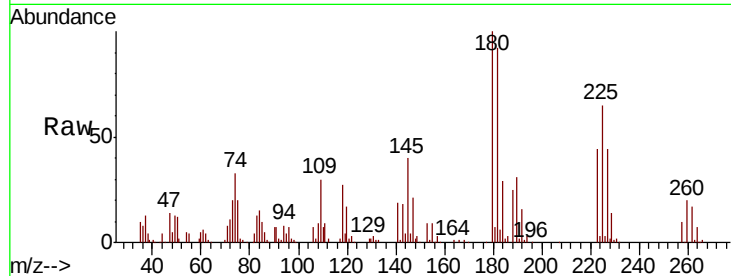
#93
 1,2,4-Trichlorobenzene
 Concen: 22.577 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.03 min
 Lab File: VF060913.D
 Acq: 6 Dec 2018 13:16

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.1	48.5	145.5	
145	39.8	18.1	54.3	

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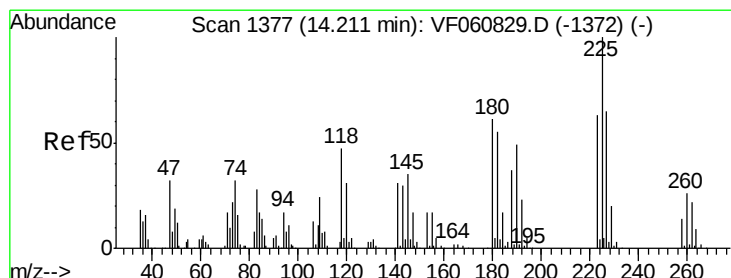
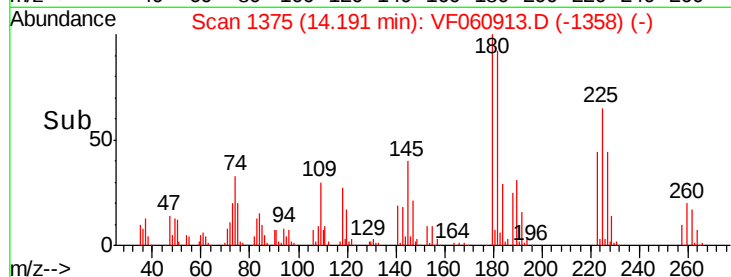
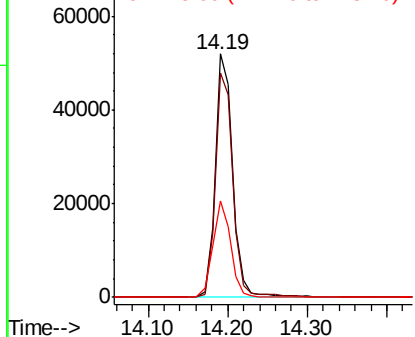


Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 21.719 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF060913.D
 Acq: 6 Dec 2018 13:16

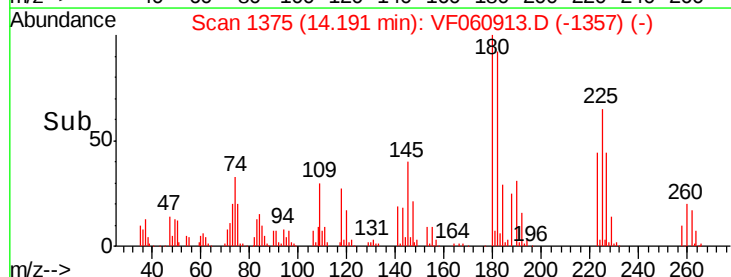
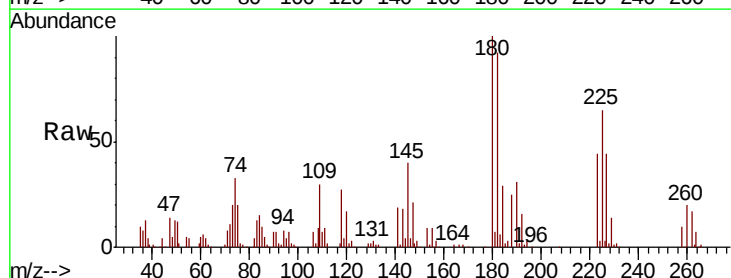
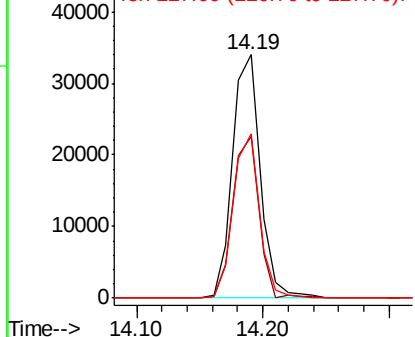
Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	66.5	31.4	94.3	
227	67.3	32.5	97.5	

Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





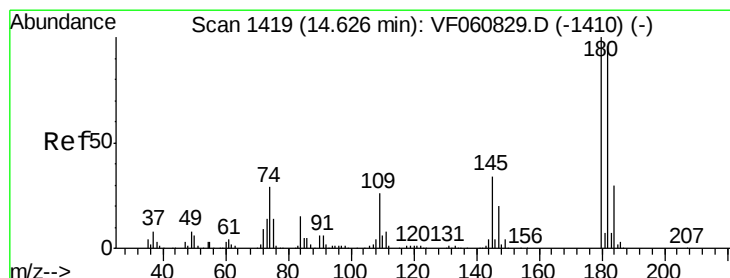
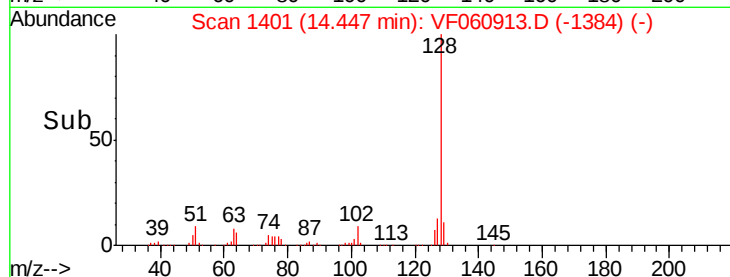
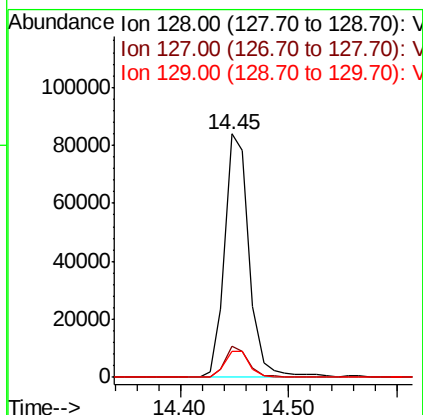
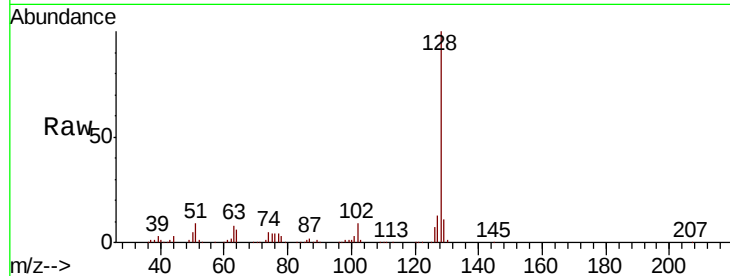
#95
Naphthalene
Concen: 16.863 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.03 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

Instrument :
MSVOA_F
ClientSampleId :
VF1206SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	9.9	14.9
129	10.5	9.1	13.7

Manual Integrations
APPROVED

apatel
12/7/2018 12:07:33 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.868 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.03 min
Lab File: VF060913.D
Acq: 6 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.0	47.9	143.8
145	38.0	17.2	51.5

