

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120718\
 Data File : VF060935.D
 Acq On : 7 Dec 2018 17:38
 Operator : VA/AP
 Sample : VF1207SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

Quant Time: Dec 08 01:56:12 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	187196	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	315584	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.76	117	308698	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	154247	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	123529	56.02	ug/l	-0.05
Spiked Amount			Recovery	=	112.04%	
35) Dibromofluoromethane	4.10	113	128722	51.41	ug/l	-0.05
Spiked Amount			Recovery	=	102.82%	
50) Toluene-d8	7.54	98	358272	48.58	ug/l	-0.05
Spiked Amount			Recovery	=	97.16%	
62) 4-Bromofluorobenzene	11.40	95	169234	50.49	ug/l	-0.04
Spiked Amount			Recovery	=	100.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	62997	22.507	ug/l	97
3) Chloromethane	1.11	50	41553	22.815	ug/l	91
4) Vinyl Chloride	1.14	62	41529	24.445	ug/l	99
5) Bromomethane	1.32	94	26444	22.074	ug/l	99
6) Chloroethane	1.38	64	17756	24.178	ug/l	90
7) Trichlorofluoromethane	1.47	101	61968	17.000	ug/l	88
8) Diethyl Ether	1.62	74	11958	22.813	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.83	101	42338	22.975	ug/l	99
10) Methyl Iodide	1.91	142	52899	18.885	ug/l	94
11) Tert butyl alcohol	2.57	59	11748	129.959	ug/l #	85
12) 1,1-Dichloroethene	1.79	96	33311	22.474	ug/l	93
13) Acrolein	1.99	56	7695	89.844	ug/l	99
14) Allyl chloride	2.08	41	37791	20.456	ug/l	90
15) Acrylonitrile	2.92	53	23173	114.342	ug/l	92
16) Acetone	2.23	43	53900	132.544	ug/l	99
17) Carbon Disulfide	1.83	76	91137	22.932	ug/l	99
18) Methyl Acetate	2.33	43	19090	27.229	ug/l	99
19) Methyl tert-butyl Ether	2.42	73	74435	22.297	ug/l	98
20) Methylene Chloride	2.17	84	9249	6.200	ug/l	90
21) trans-1,2-Dichloroethene	2.30	96	27560	19.286	ug/l	97
22) Diisopropyl ether	2.79	45	120580	23.978	ug/l	96
23) Vinyl Acetate	3.17	43	284330	123.691	ug/l	97
24) 1,1-Dichloroethane	2.85	63	68808	22.998	ug/l	99
25) 2-Butanone	4.32	43	87145	123.896	ug/l	95
26) 2,2-Dichloropropane	3.58	77	43844	22.603	ug/l	100
27) cis-1,2-Dichloroethene	3.45	96	54128	23.267	ug/l	86
28) Bromochloromethane	3.70	49	32188	22.417	ug/l	88
29) Tetrahydrofuran	4.06	42	36225	121.499	ug/l	98
30) Chloroform	3.84	83	111209	24.151	ug/l	96
31) Cyclohexane	3.67	56	47517	15.303	ug/l	98
32) 1,1,1-Trichloroethane	4.08	97	65279	20.441	ug/l	93
36) 1,1-Dichloropropene	4.26	75	84919	24.260	ug/l	98
37) Ethyl Acetate	4.10	43	33206	23.344	ug/l #	87
38) Carbon Tetrachloride	3.97	117	65883	21.310	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	68519	18.679	ug/l	98
40) Benzene	4.61	78	183128	23.681	ug/l	96
41) Methacrylonitrile	4.73	41	18010	22.306	ug/l #	90
42) 1,2-Dichloroethane	4.92	62	65367	23.154	ug/l	96
43) Isopropyl Acetate	6.95	43	40112	21.294	ug/l #	95
44) Trichloroethene	5.49	130	56902	22.505	ug/l	98
45) 1,2-Dichloropropane	6.22	63	46853	23.329	ug/l	95
46) Dibromomethane	6.07	93	30961	22.725	ug/l	93
47) Bromodichloromethane	6.36	83	80063	22.126	ug/l	98
48) Methyl methacrylate	6.70	41	26740	20.768	ug/l	93
49) 1,4-Dioxane	6.70	88	3868	410.472	ug/l #	79
51) 4-Methyl-2-Pentanone	8.24	43	146710	111.845	ug/l	97
52) Toluene	7.61	92	119202	21.945	ug/l	96
53) t-1,3-Dichloropropene	8.26	75	67233	22.842	ug/l	99
54) cis-1,3-Dichloropropene	7.28	75	84925	23.307	ug/l	96
55) 1,1,2-Trichloroethane	8.48	97	36413	23.006	ug/l	95
56) Ethyl methacrylate	8.60	69	39249	22.323	ug/l	99
57) 1,3-Dichloropropane	8.84	76	63971	23.102	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.28	63	27141	150.916	ug/l	97
59) 2-Hexanone	9.47	43	103453	112.418	ug/l	93
60) Dibromochloromethane	8.70	129	50641	21.474	ug/l	100
61) 1,2-Dibromoethane	8.97	107	38175	22.327	ug/l	94
64) Tetrachloroethene	8.14	164	46545	19.741	ug/l	88
65) Chlorobenzene	9.78	112	134354	22.372	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.92	131	56511	21.889	ug/l	98
67) Ethyl Benzene	9.89	91	251492	22.494	ug/l	100
68) m/p-Xylenes	10.11	106	176697	43.943	ug/l	100
69) o-Xylene	10.69	106	96433	21.748	ug/l	94
70) Styrene	10.77	104	137684	22.400	ug/l	98
71) Bromoform	10.75	173	25625	20.549	ug/l #	93
73) Isopropylbenzene	11.11	105	290581	23.839	ug/l	99
74) N-amyl acetate	11.36	43	64896	23.056	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.68	83	48934	24.392	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	21416	14.687	ug/l	90
77) Bromobenzene	11.48	156	60609	22.680	ug/l	87
78) n-propylbenzene	11.58	91	344543	24.137	ug/l	99
79) 2-Chlorotoluene	11.71	91	189564	23.160	ug/l	97
80) 1,3,5-Trimethylbenzene	11.81	105	232455	23.491	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.86	75	21416	29.975	ug/l	96
82) 4-Chlorotoluene	11.89	91	198249	23.016	ug/l	95
83) tert-Butylbenzene	12.12	119	247713	24.575	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	229832	23.272	ug/l	95
85) sec-Butylbenzene	12.29	105	338115	24.503	ug/l	98
86) p-Isopropyltoluene	12.45	119	275068	23.777	ug/l	100
87) 1,3-Dichlorobenzene	12.46	146	113889	22.405	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	109019	22.007	ug/l	95
89) n-Butylbenzene	12.84	91	276372	23.626	ug/l	97
90) Hexachloroethane	12.90	117	65386	23.471	ug/l	98
91) 1,2-Dichlorobenzene	12.93	146	113083	23.491	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8982	23.158	ug/l	89

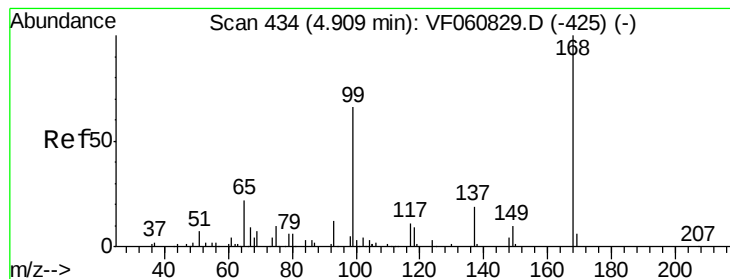
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF120718\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	82411	24.501	ug/l	97
94) Hexachlorobutadiene	14.18	225	50869	22.687	ug/l	99
95) Naphthalene	14.44	128	133212	18.178	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	71058	22.752	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 428

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

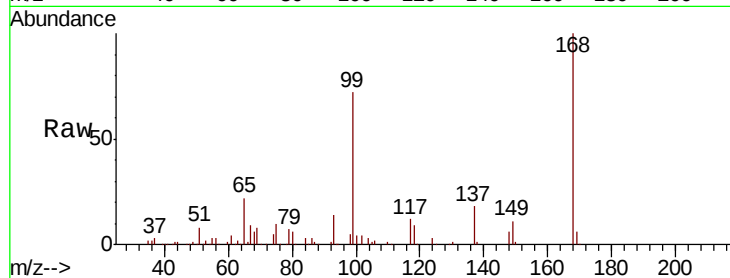
VF1207SBS01

Tot Ion:168 Resp: 187196

Ion Ratio Lower Upper

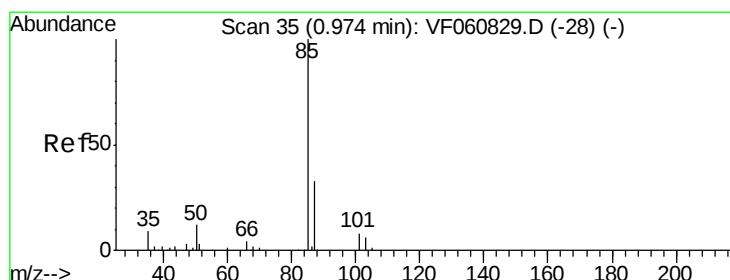
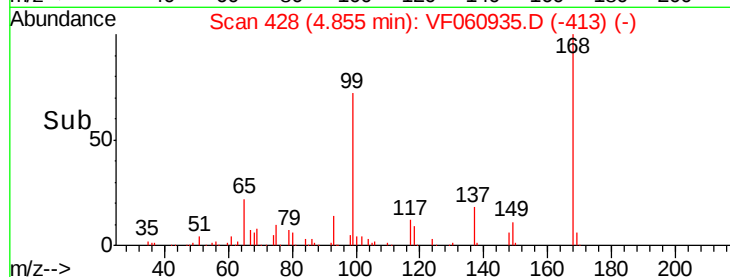
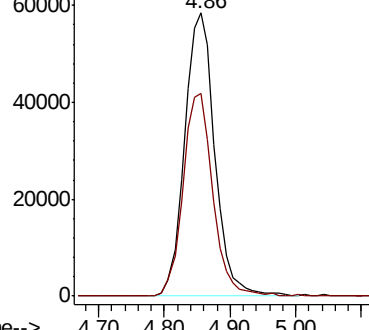
168 100

99 71.6 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 22.507 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF060935.D

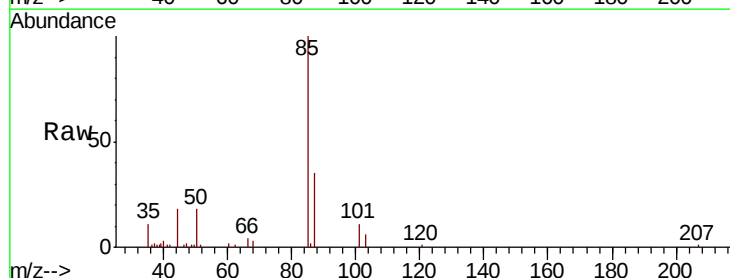
Acq: 7 Dec 2018 17:38

Tgt Ion: 85 Resp: 62997

Ion Ratio Lower Upper

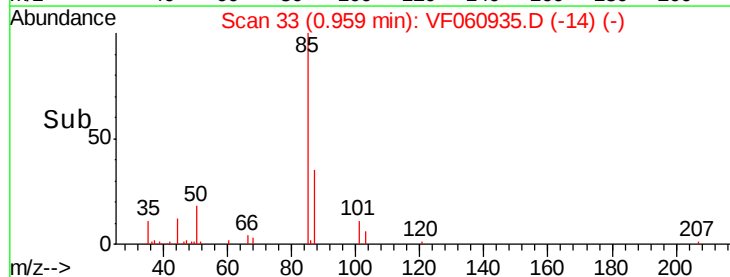
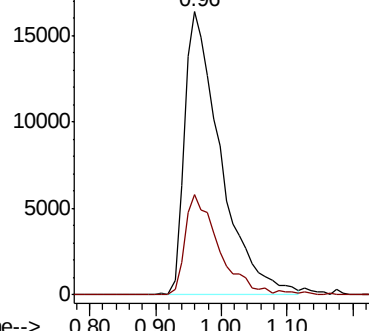
85 100

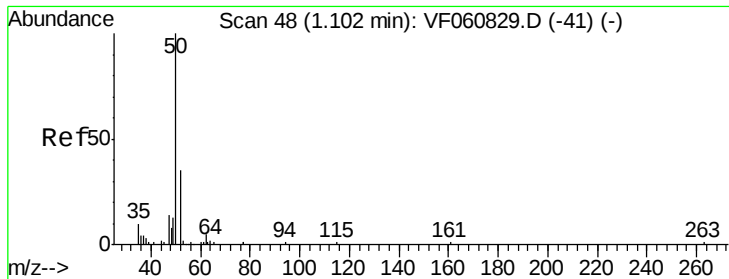
87 35.3 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 22.815 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

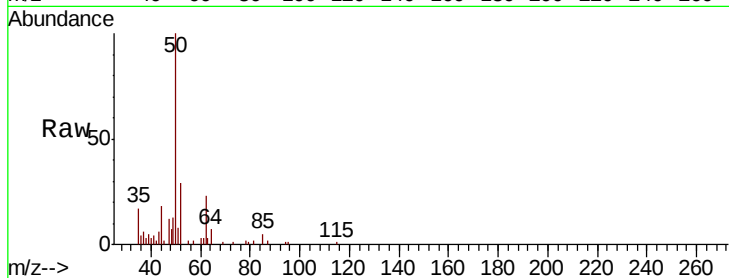
VF1207SBS01

Tot Ion: 50 Resp: 41553

Ion Ratio Lower Upper

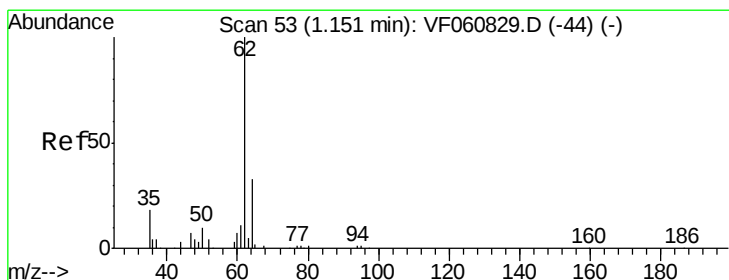
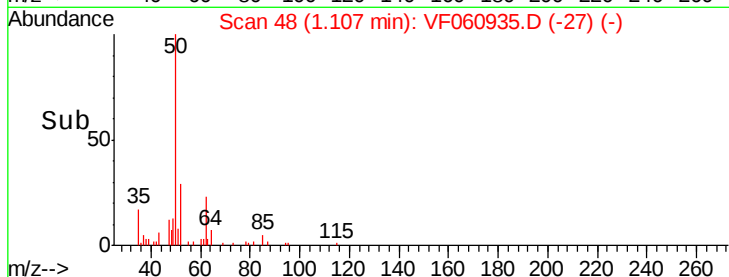
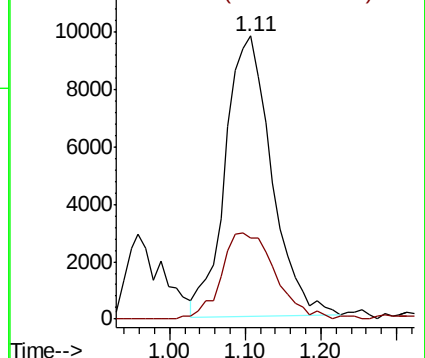
50 100

52 28.6 27.0 40.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 24.445 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF060935.D

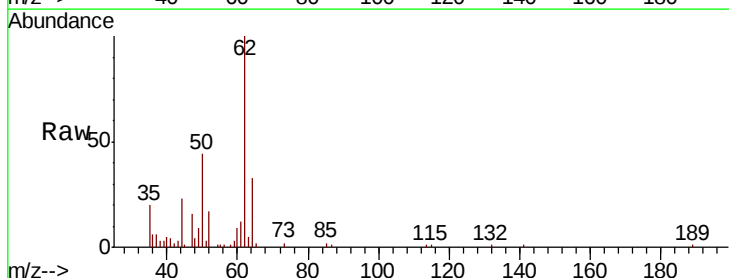
Acq: 7 Dec 2018 17:38

Tgt Ion: 62 Resp: 41529

Ion Ratio Lower Upper

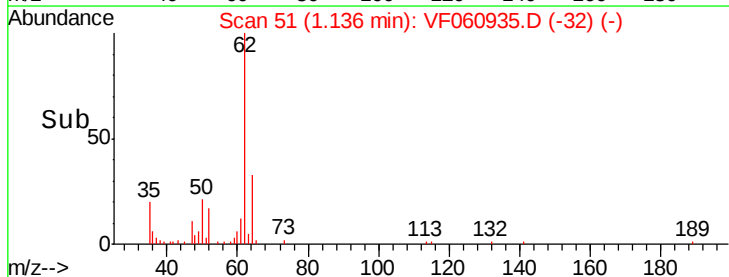
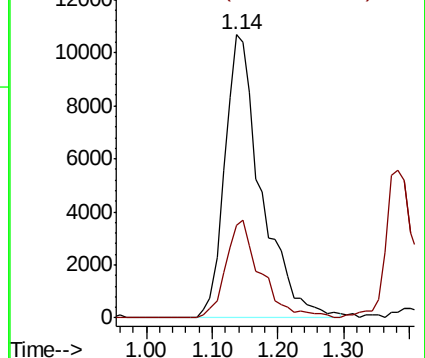
62 100

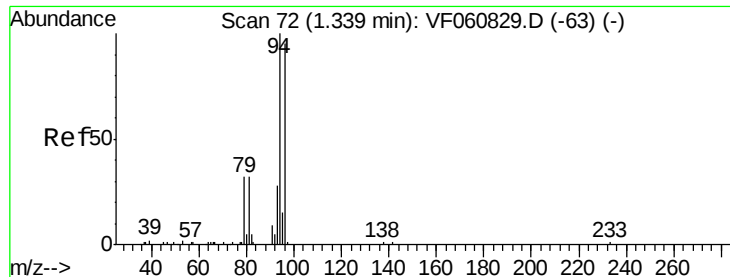
64 32.6 26.4 39.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 22.074 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

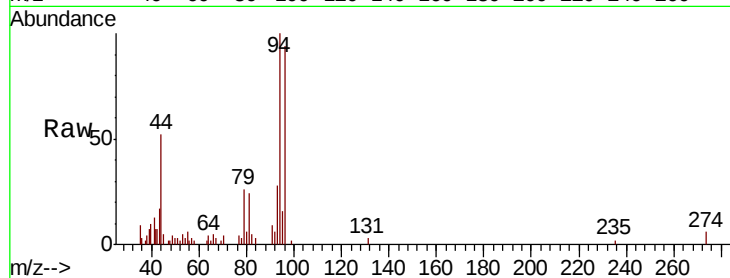
VF1207SBS01

Tot Ion: 94 Resp: 26444

Ion Ratio Lower Upper

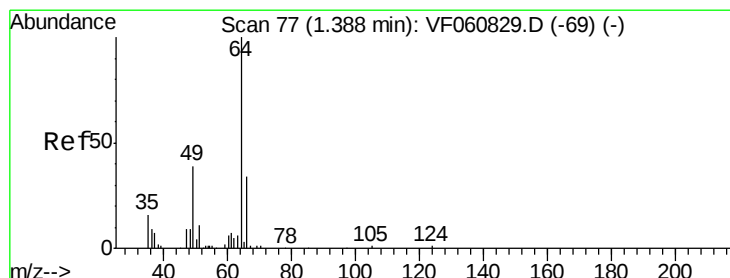
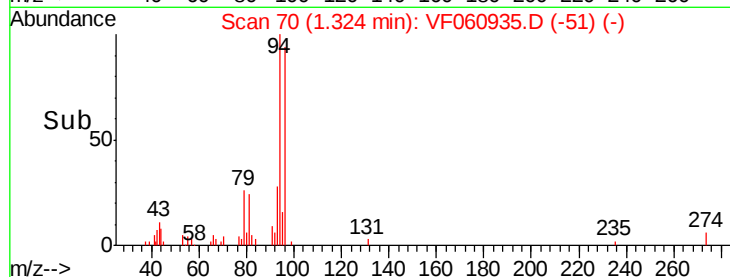
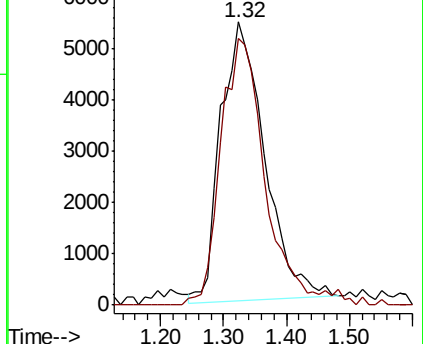
94 100

96 94.2 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 24.178 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.00 min

Lab File: VF060935.D

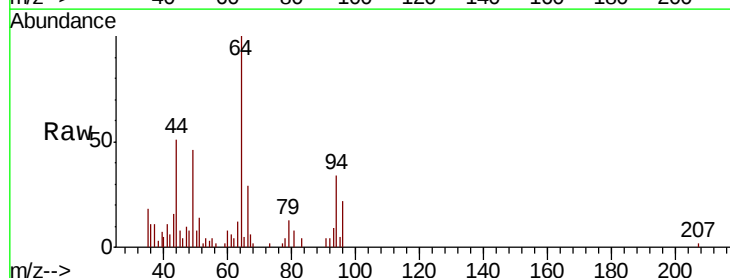
Acq: 7 Dec 2018 17:38

Tgt Ion: 64 Resp: 17756

Ion Ratio Lower Upper

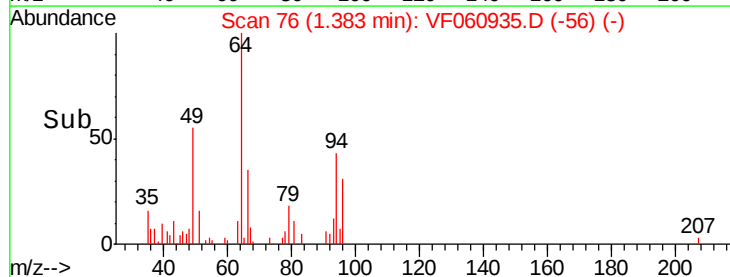
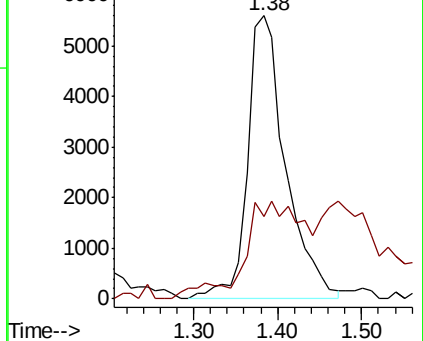
64 100

66 29.2 28.1 42.1



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 17.000 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.02 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

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ClientSampleId :

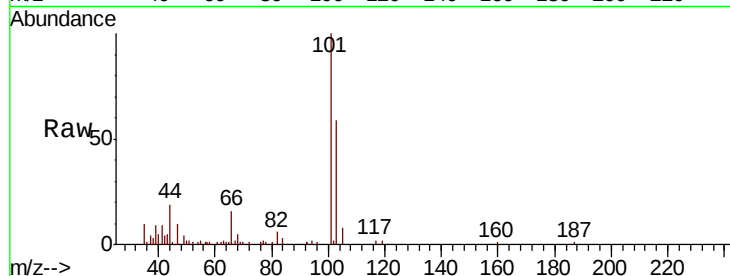
VF1207SBS01

Tot Ion:101 Resp: 61968

Ion Ratio Lower Upper

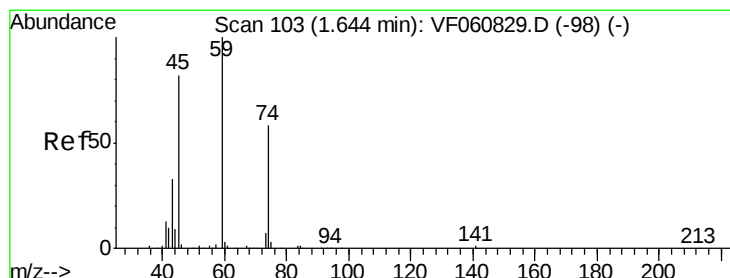
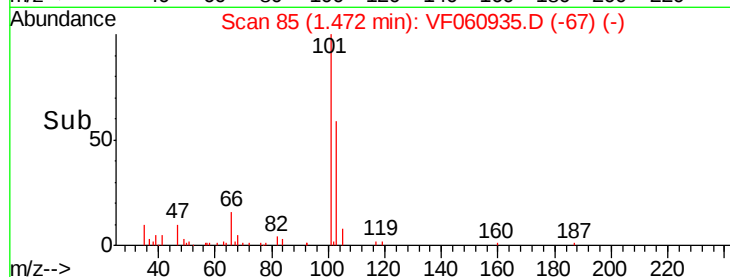
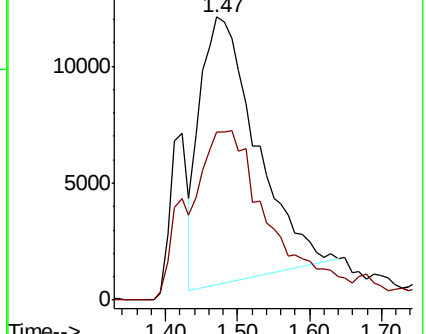
101 100

103 59.5 55.4 83.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 22.813 ug/l

RT: 1.62 min Scan# 100

Delta R.T. -0.02 min

Lab File: VF060935.D

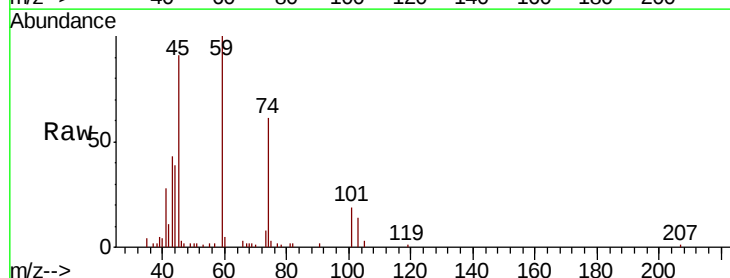
Acq: 7 Dec 2018 17:38

Tgt Ion: 74 Resp: 11958

Ion Ratio Lower Upper

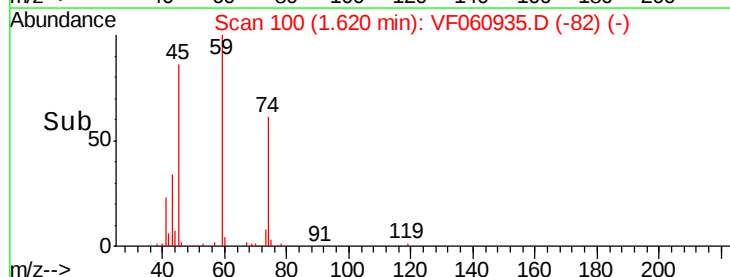
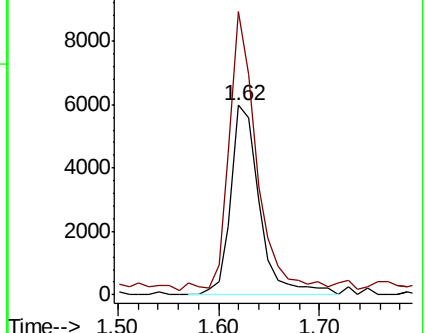
74 100

45 149.1 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.975 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.00 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

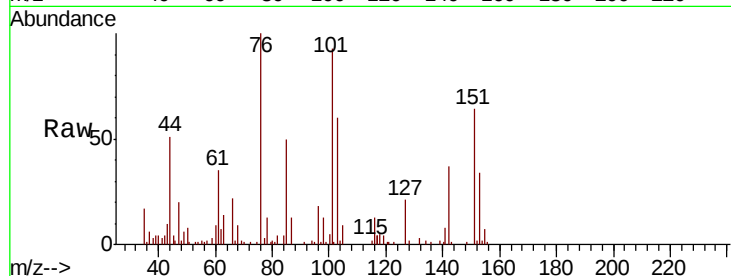
Tot Ion:101 Resp: 42338

Ion Ratio Lower Upper

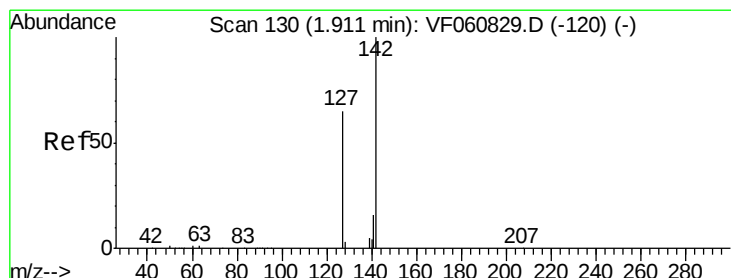
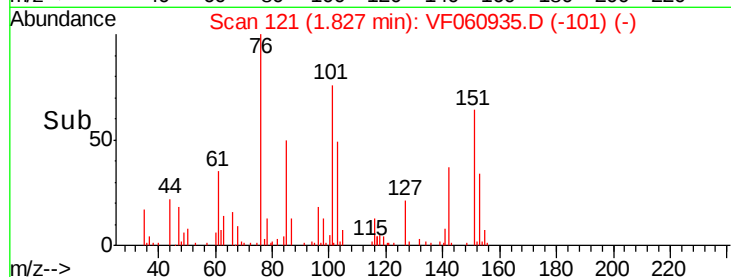
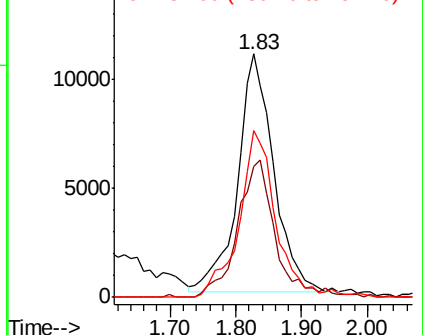
101 100

85 53.9 42.8 64.2

151 68.6 54.4 81.6



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VF0
Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 18.885 ug/l

RT: 1.91 min Scan# 129

Delta R.T. -0.00 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

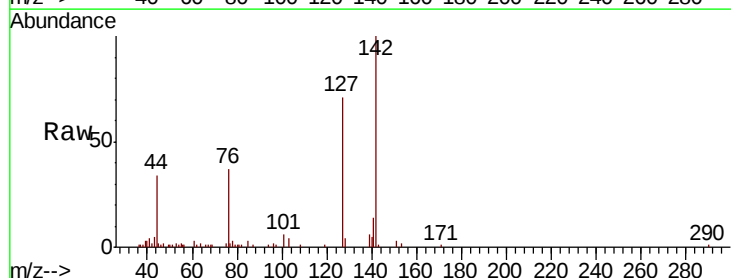
Tgt Ion:142 Resp: 52899

Ion Ratio Lower Upper

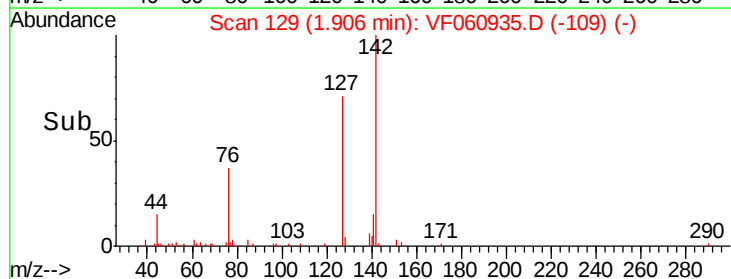
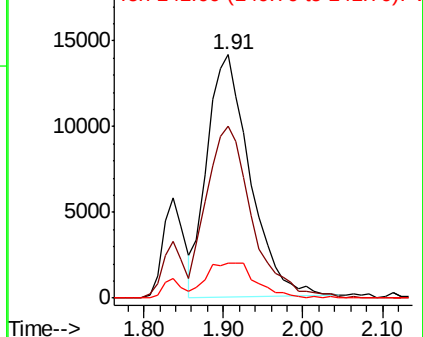
142 100

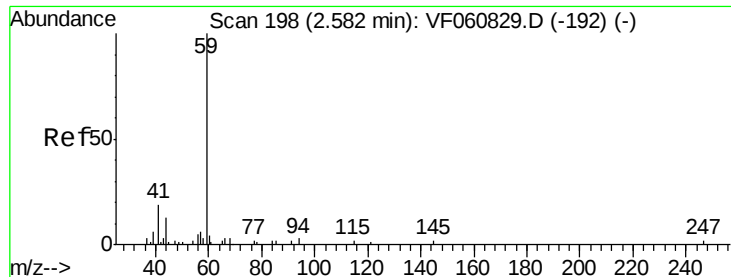
127 70.6 51.9 77.9

141 14.5 12.7 19.1



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V



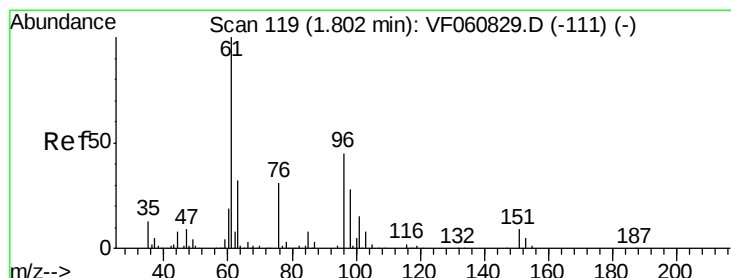
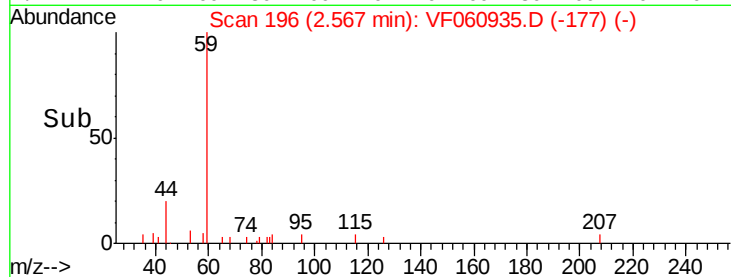
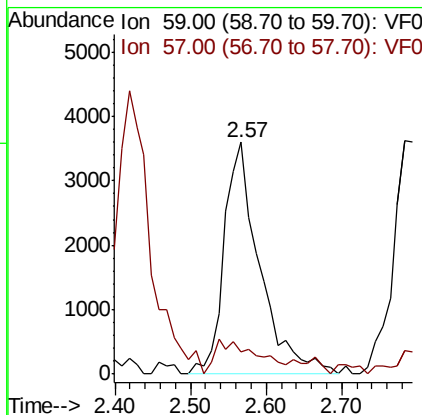
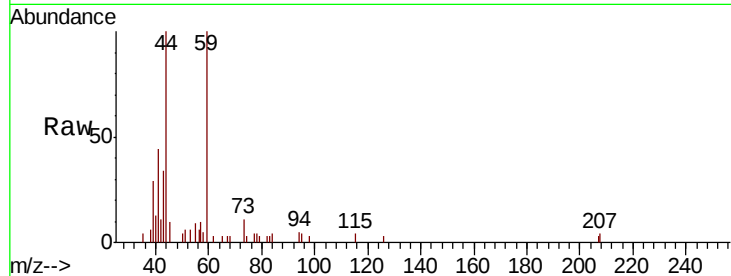


#11

Tert butyl alcohol
 Concen: 129.959 ug/l
 RT: 2.57 min Scan# 196
 Delta R.T. -0.01 min
 Lab File: VF060935.D
 Acq: 7 Dec 2018 17:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

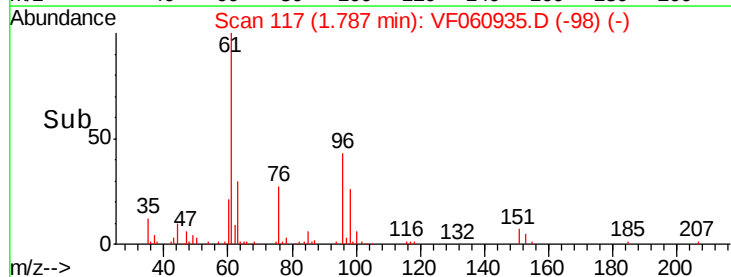
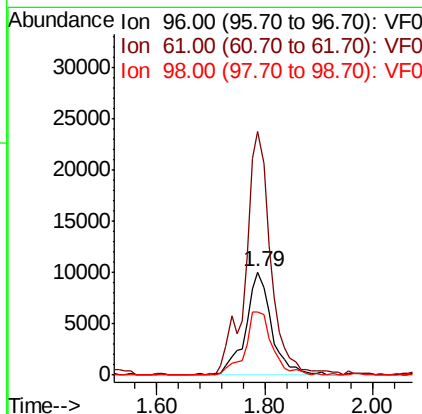
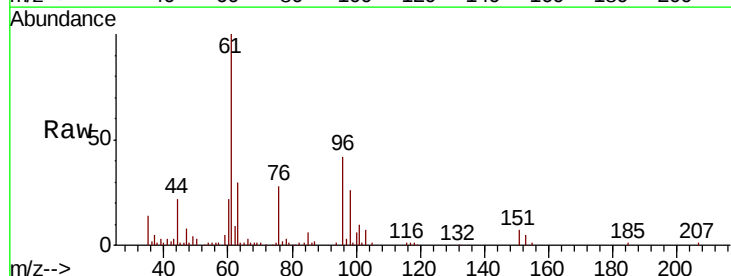
Tot Ion: 59 Resp: 11748
 Ion Ratio Lower Upper
 59 100
 57 9.7 12.7 19.1#

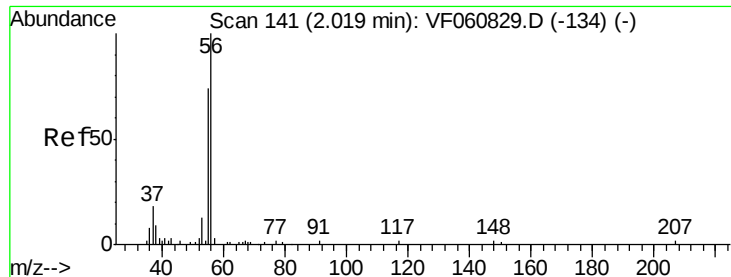


#12

1,1-Dichloroethene
 Concen: 22.474 ug/l
 RT: 1.79 min Scan# 117
 Delta R.T. -0.01 min
 Lab File: VF060935.D
 Acq: 7 Dec 2018 17:38

Tgt Ion: 96 Resp: 33311
 Ion Ratio Lower Upper
 96 100
 61 235.7 177.3 265.9
 98 60.6 49.6 74.4

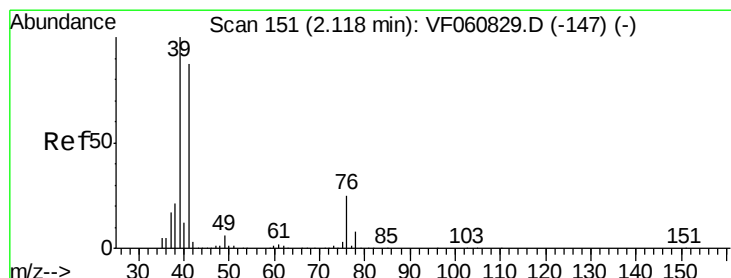
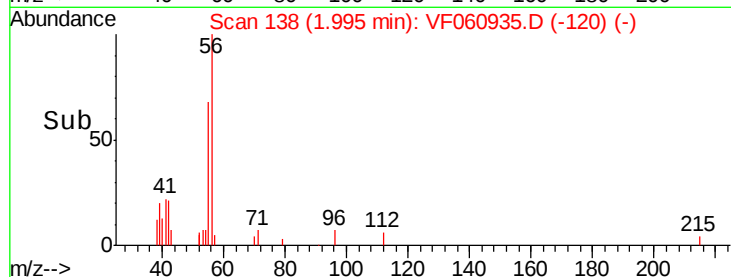
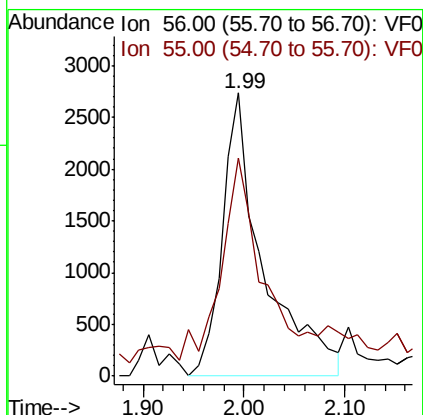
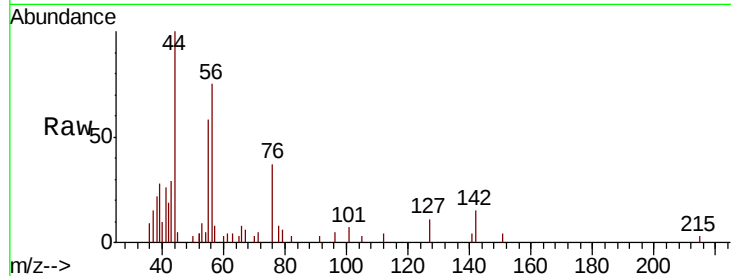




#13
Acrolein
Concen: 89.844 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.02 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

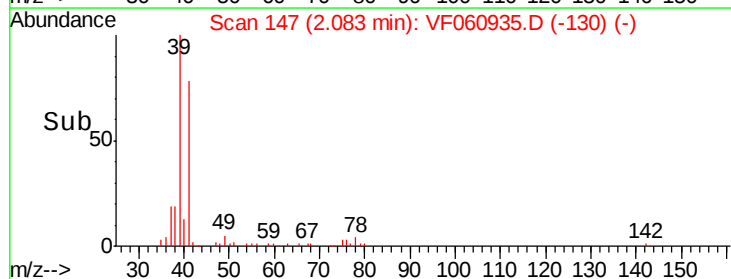
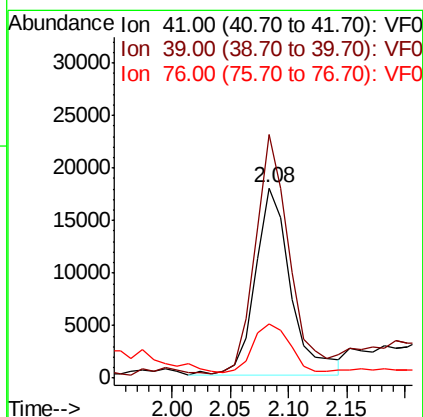
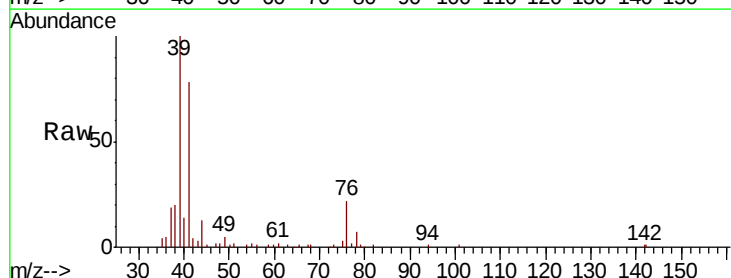
Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

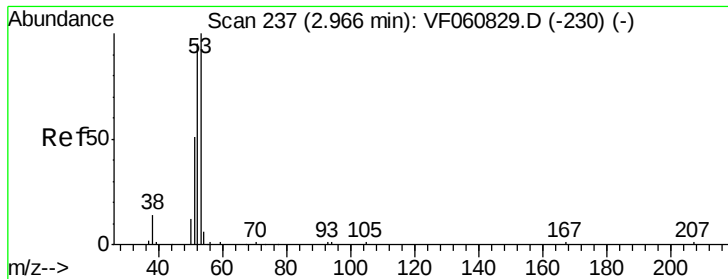
Tot Ion: 56 Resp: 7695
Ion Ratio Lower Upper
56 100
55 77.2 61.2 91.8



#14
Allyl chloride
Concen: 20.456 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.03 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Tgt Ion: 41 Resp: 37791
Ion Ratio Lower Upper
41 100
39 128.2 91.7 137.5
76 28.2 23.5 35.3





#15

Acrylonitrile

Concen: 114.342 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.04 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

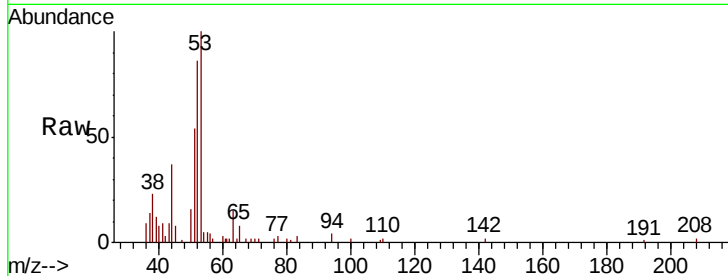
Tot Ion: 53 Resp: 23173

Ion Ratio Lower Upper

53 100

52 86.3 76.5 114.7

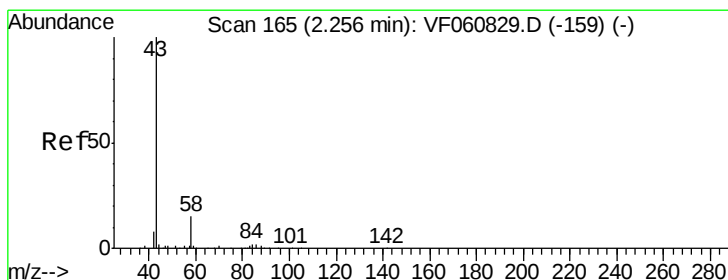
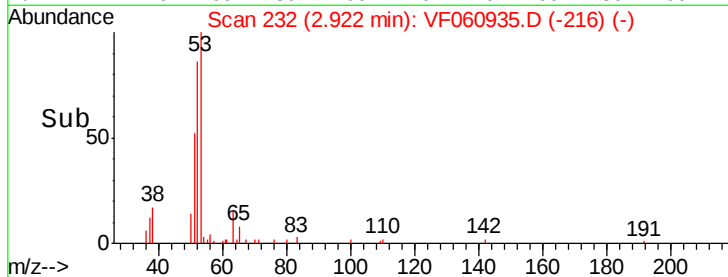
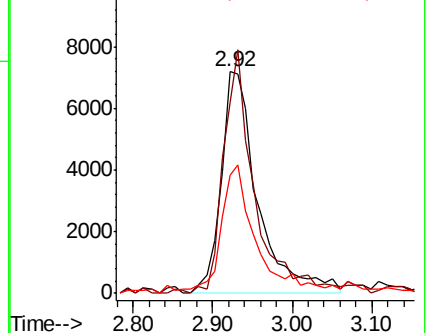
51 53.6 40.7 61.1



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 132.544 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF060935.D

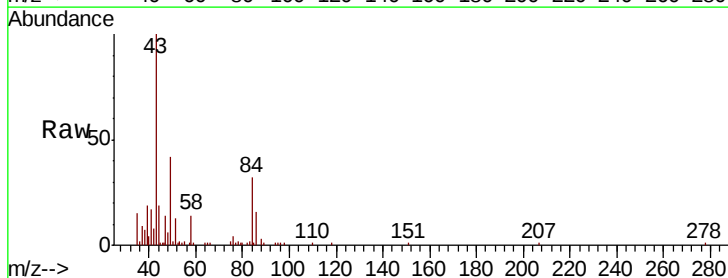
Acq: 7 Dec 2018 17:38

Tgt Ion: 43 Resp: 53900

Ion Ratio Lower Upper

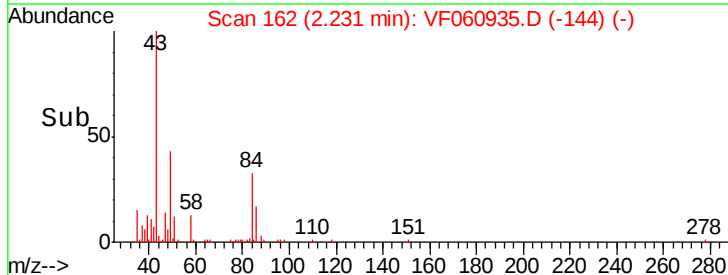
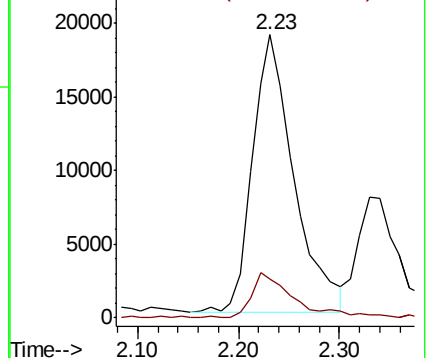
43 100

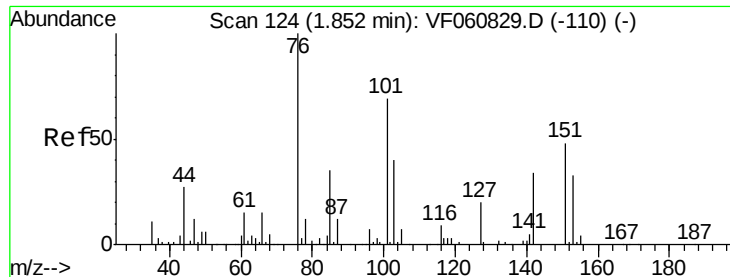
58 13.9 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

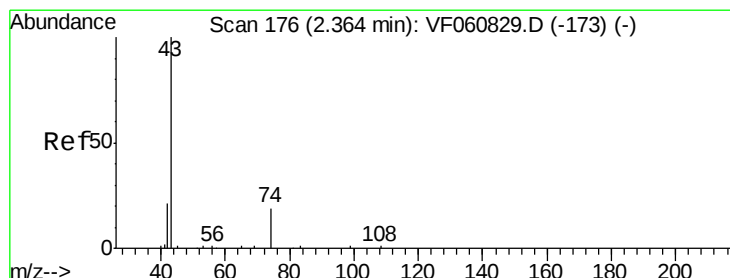
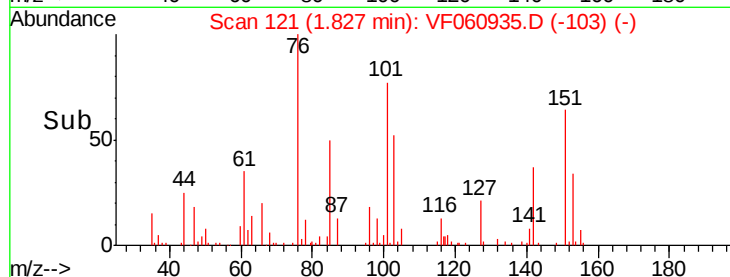
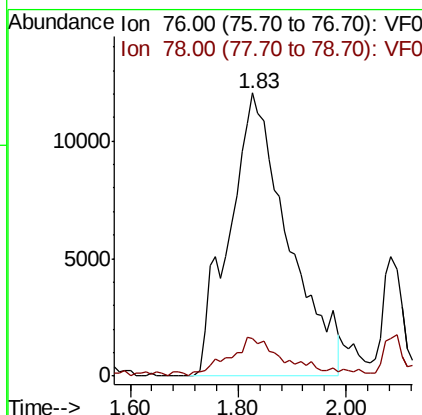
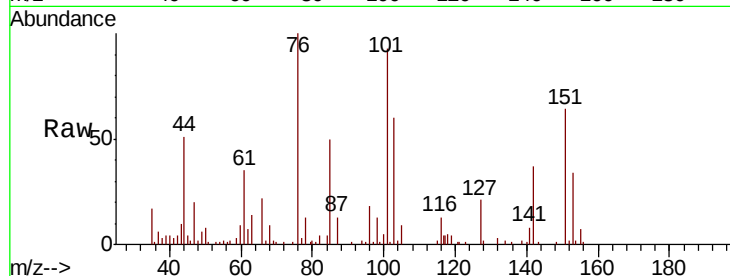




#17
Carbon Disulfide
Concen: 22.932 ug/l
RT: 1.83 min Scan# 121
Delta R.T. -0.02 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

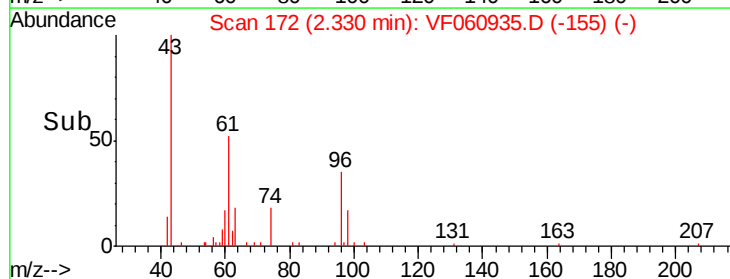
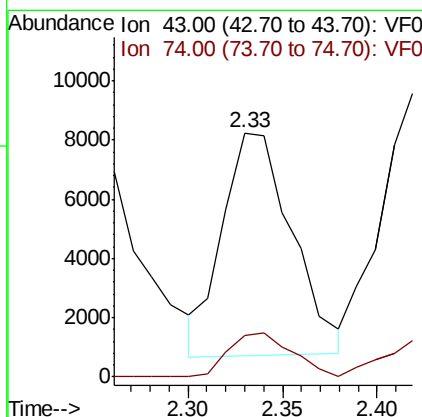
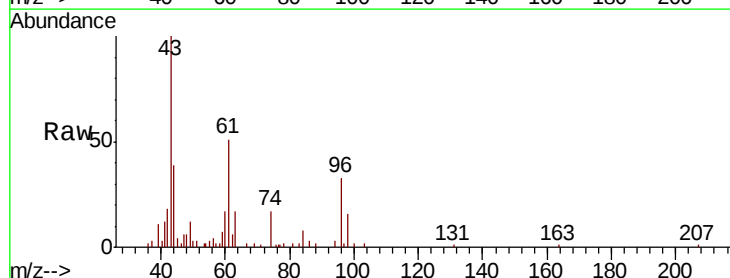
Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

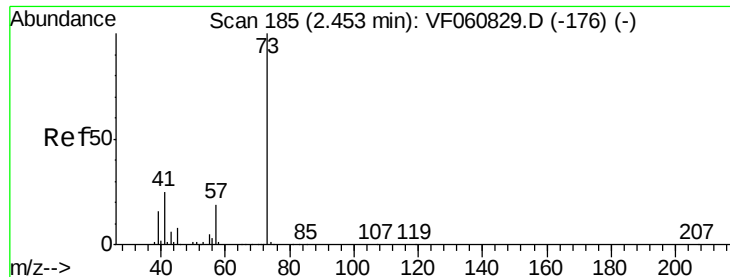
Tot Ion: 76 Resp: 91137
Ion Ratio Lower Upper
76 100
78 13.2 10.2 15.2



#18
Methyl Acetate
Concen: 27.229 ug/l
RT: 2.33 min Scan# 172
Delta R.T. -0.03 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Tgt Ion: 43 Resp: 19090
Ion Ratio Lower Upper
43 100
74 17.1 13.3 19.9



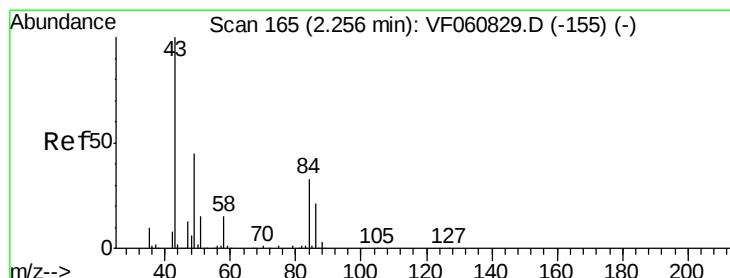
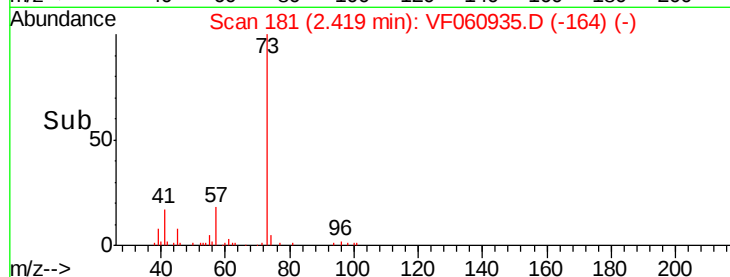
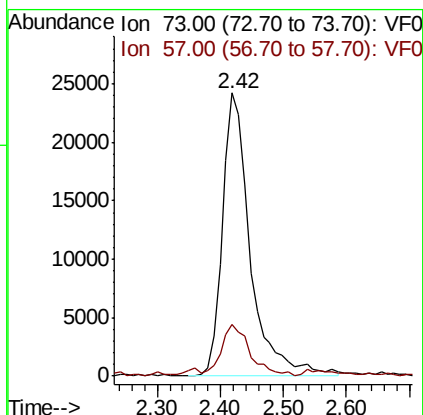
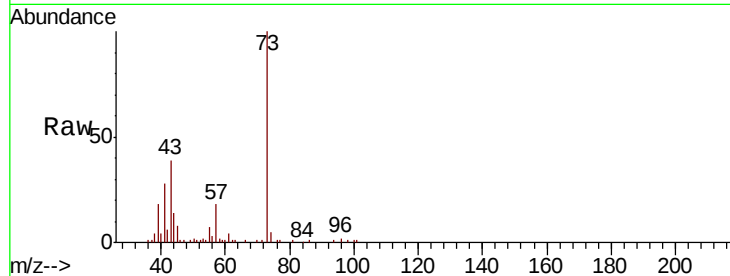


#19

Methyl tert-butyl Ether
 Concen: 22.297 ug/l
 RT: 2.42 min Scan# 181
 Delta R.T. -0.03 min
 Lab File: VF060935.D
 Acq: 7 Dec 2018 17:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

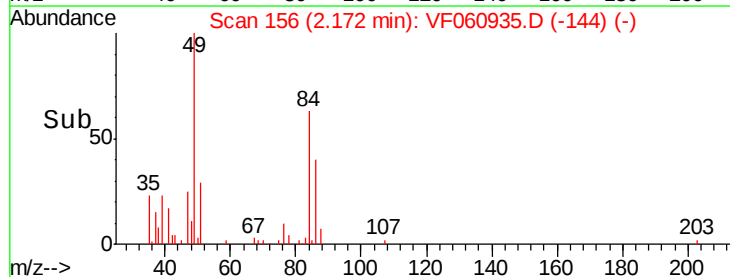
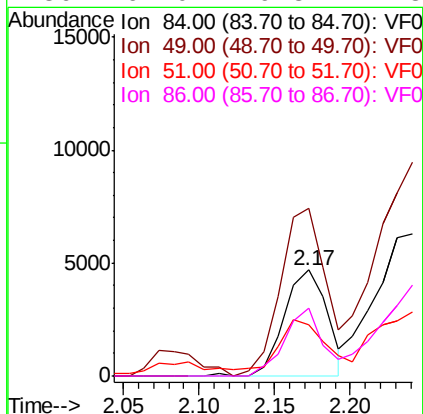
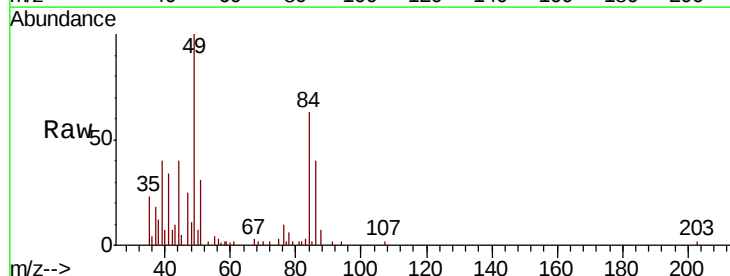
Tot Ion: 73 Resp: 74435
 Ion Ratio Lower Upper
 73 100
 57 18.1 15.3 22.9

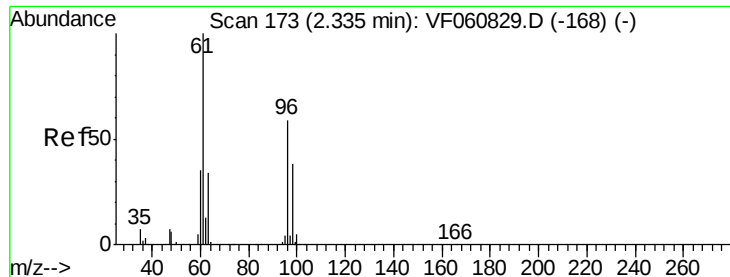


#20

Methylene Chloride
 Concen: 6.200 ug/l
 RT: 2.17 min Scan# 156
 Delta R.T. -0.08 min
 Lab File: VF060935.D
 Acq: 7 Dec 2018 17:38

Tgt Ion: 84 Resp: 9249
 Ion Ratio Lower Upper
 84 100
 49 158.5 111.3 166.9
 51 48.6 38.0 57.0
 86 64.0 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.286 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.03 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

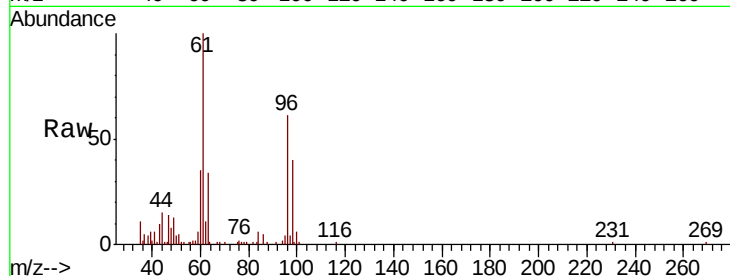
Tot Ion: 96 Resp: 27560

Ion Ratio Lower Upper

96 100

61 164.3 134.5 201.7

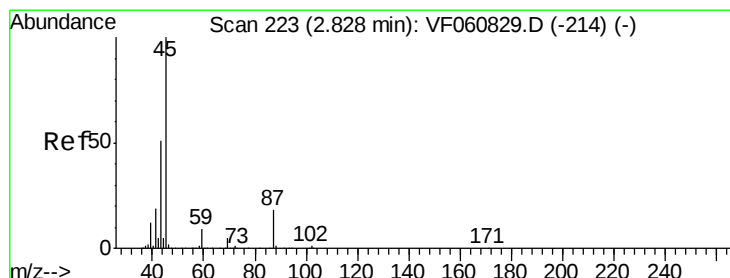
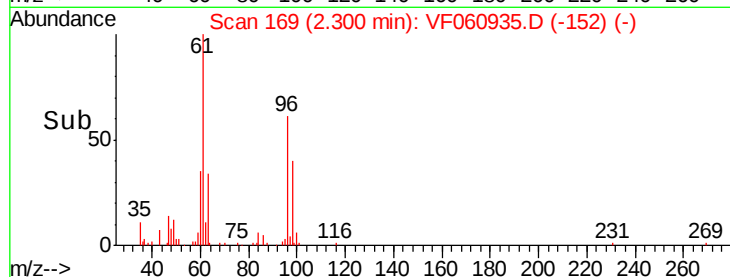
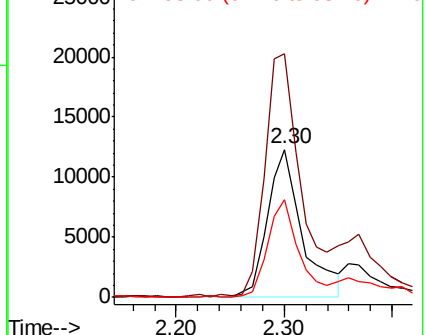
98 65.9 51.6 77.4



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 23.978 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.03 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Tgt Ion: 45 Resp: 120580

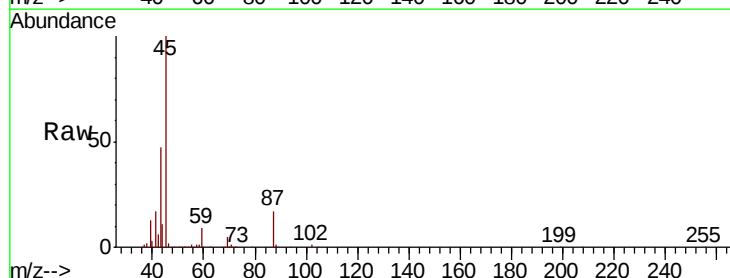
Ion Ratio Lower Upper

45 100

43 47.3 41.0 61.6

87 17.2 14.6 22.0

59 8.7 7.5 11.3

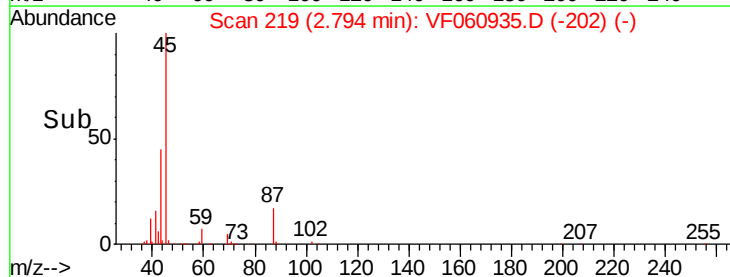
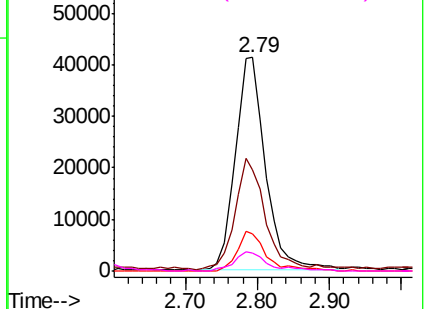


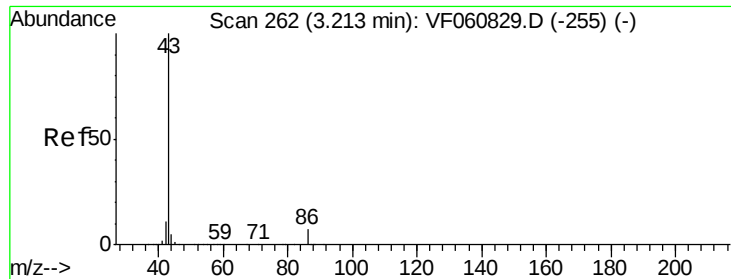
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 123.691 ug/l

RT: 3.17 min Scan# 257

Delta R.T. -0.04 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

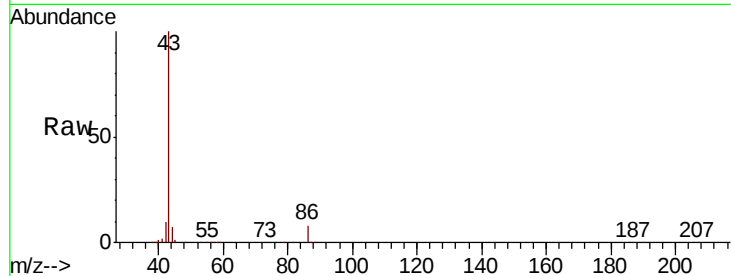
VF1207SBS01

Tot Ion: 43 Resp: 284330

Ion Ratio Lower Upper

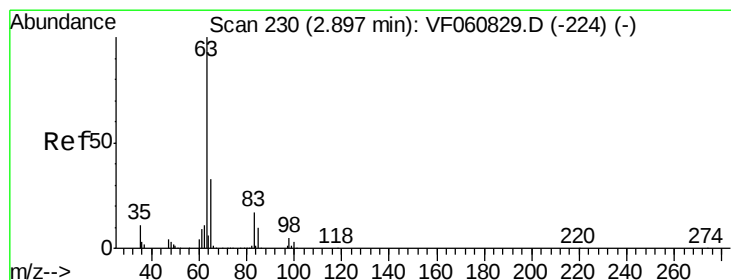
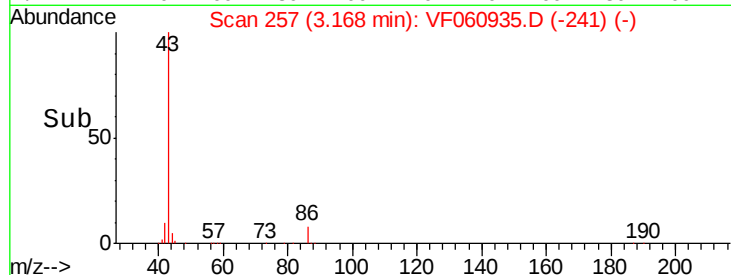
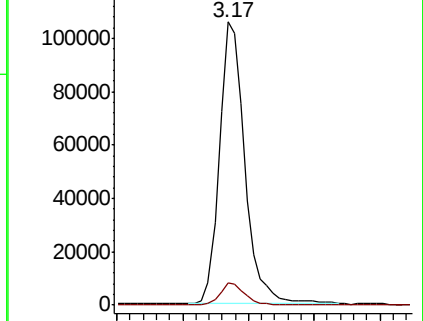
43 100

86 7.8 5.4 8.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 22.998 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.04 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

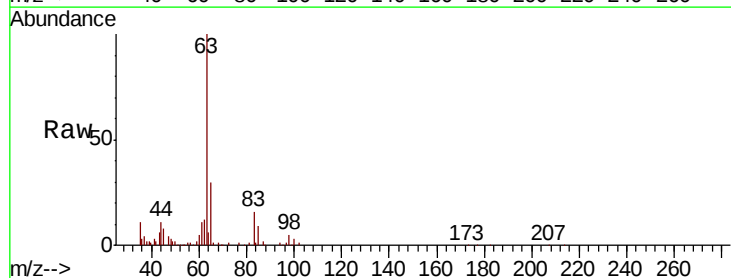
Tgt Ion: 63 Resp: 68808

Ion Ratio Lower Upper

63 100

98 4.8 2.7 8.1

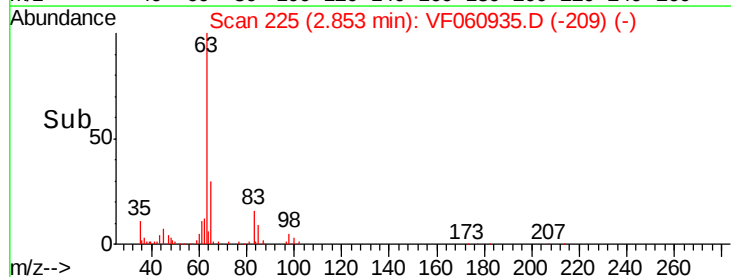
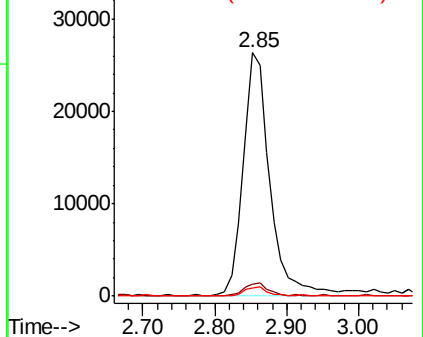
100 3.1 1.5 4.5

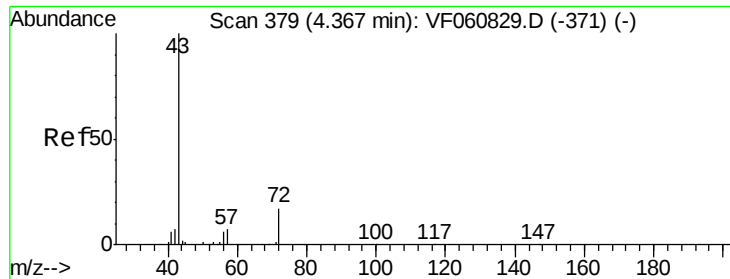


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 123.896 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.04 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

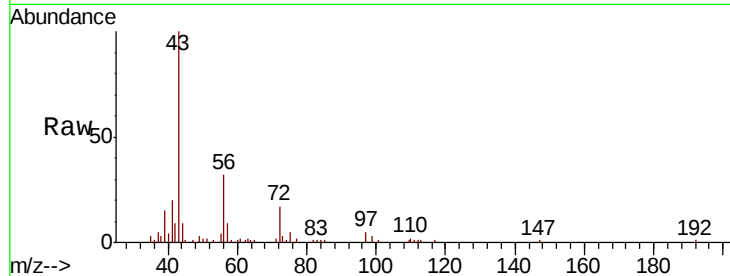
VF1207SBS01

Tot Ion: 43 Resp: 87145

Ion Ratio Lower Upper

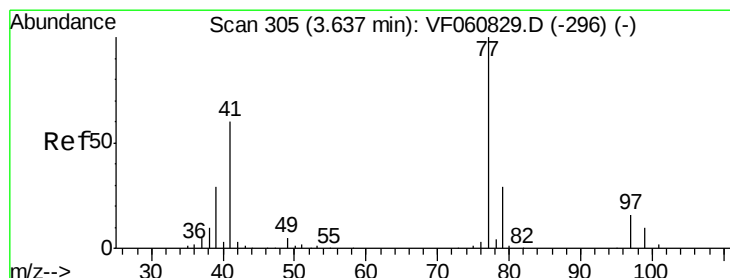
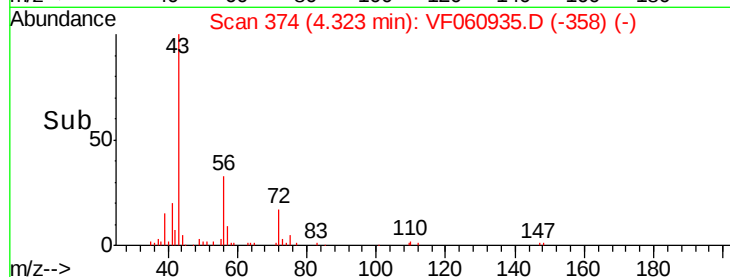
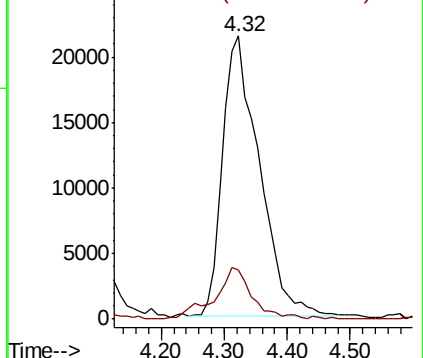
43 100

72 17.2 15.4 23.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 22.603 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.05 min

Lab File: VF060935.D

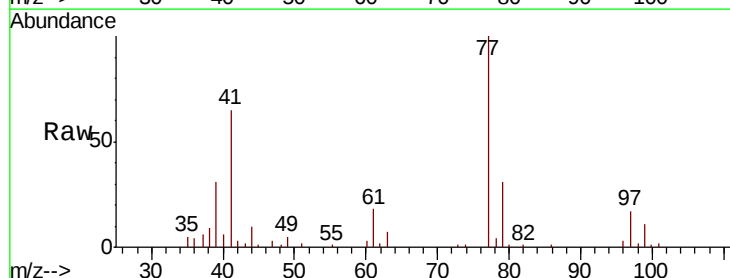
Acq: 7 Dec 2018 17:38

Tgt Ion: 77 Resp: 43844

Ion Ratio Lower Upper

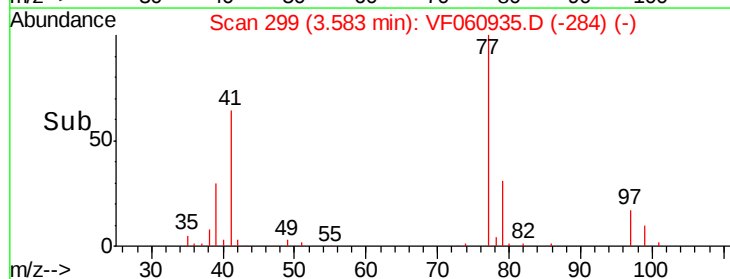
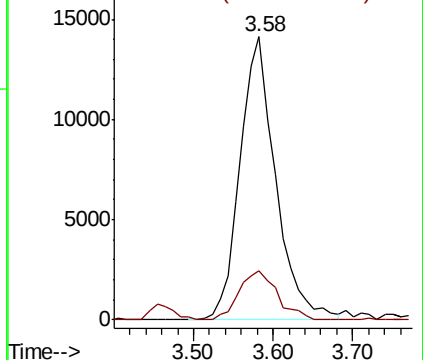
77 100

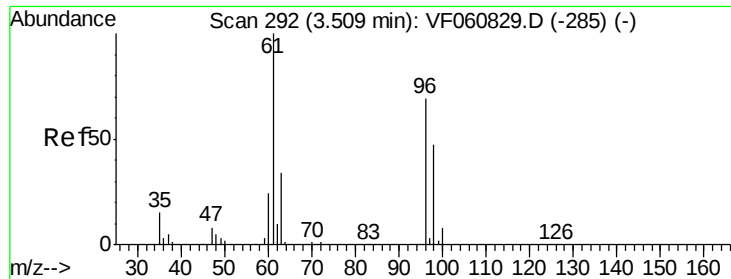
97 17.3 8.6 25.8



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



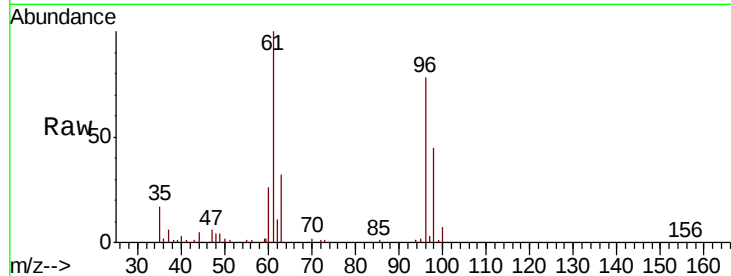


#27

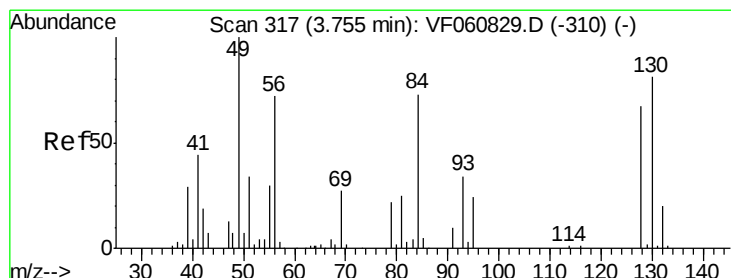
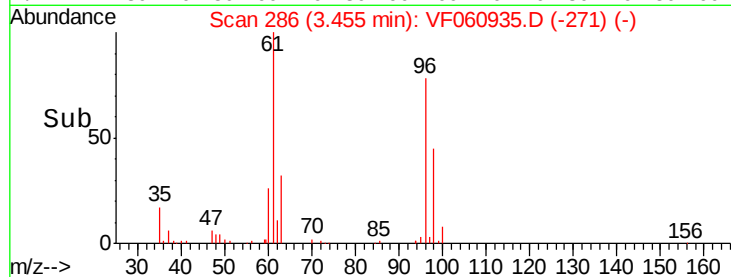
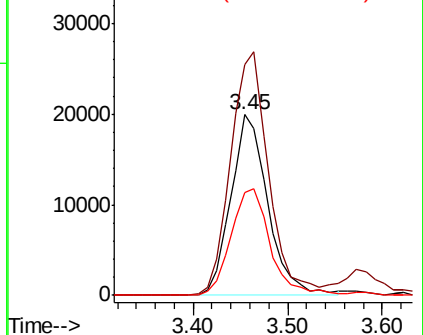
cis-1,2-Dichloroethene
 Concen: 23.267 ug/l
 RT: 3.45 min Scan# 286
 Delta R.T. -0.05 min
 Lab File: VF060935.D
 Acq: 7 Dec 2018 17:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.2	0.0	290.6
98	57.1	0.0	137.8



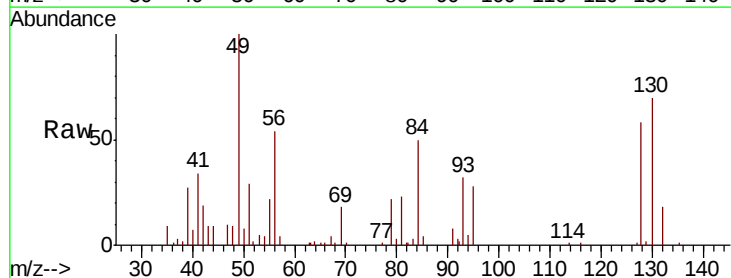
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



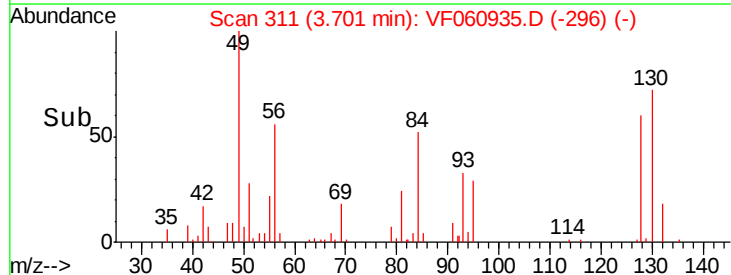
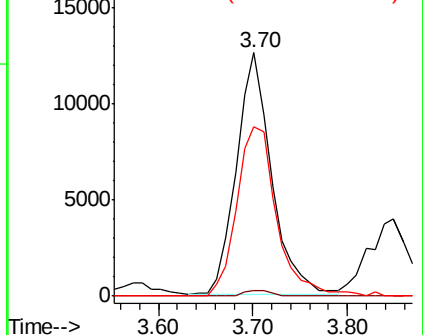
#28

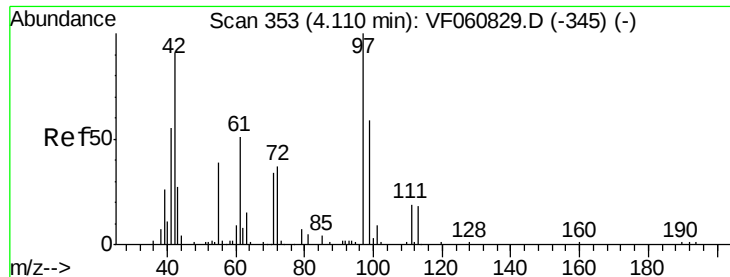
Bromochloromethane
 Concen: 22.417 ug/l
 RT: 3.70 min Scan# 311
 Delta R.T. -0.05 min
 Lab File: VF060935.D
 Acq: 7 Dec 2018 17:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	69.8	64.2	96.4



Abundance Ion 49.00 (48.70 to 49.70): VF0
 Ion 129.00 (128.70 to 129.70): V
 Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 121.499 ug/l

RT: 4.06 min Scan# 347

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

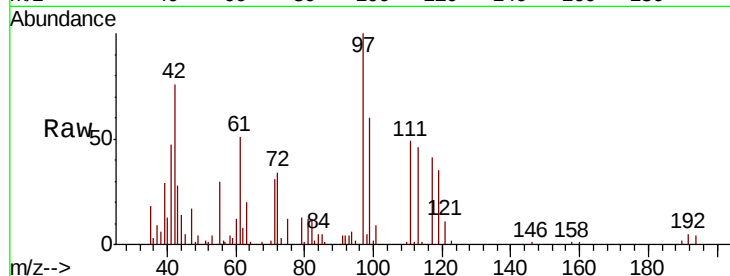
Tot Ion: 42 Resp: 36225

Ion Ratio Lower Upper

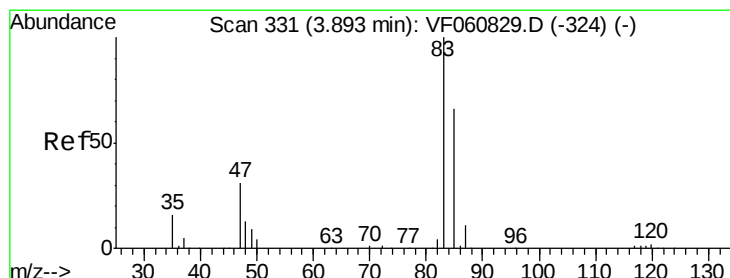
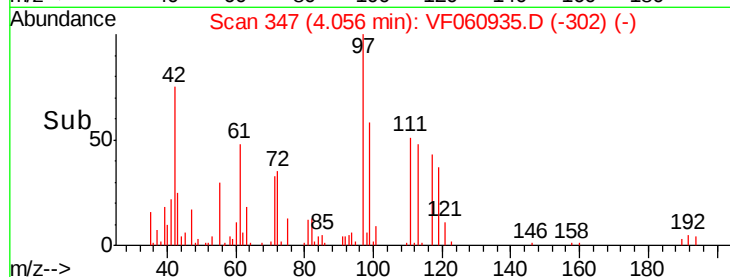
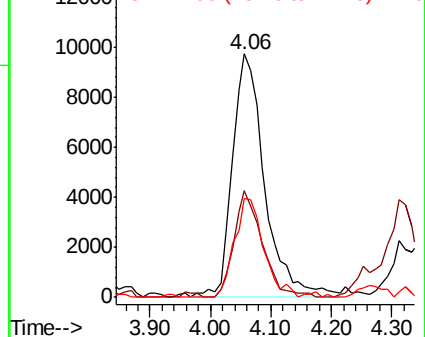
42 100

72 38.2 31.9 47.9

71 36.6 28.7 43.1



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 24.151 ug/l

RT: 3.84 min Scan# 325

Delta R.T. -0.05 min

Lab File: VF060935.D

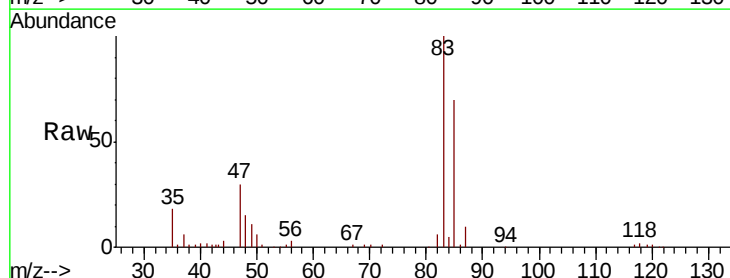
Acq: 7 Dec 2018 17:38

Tgt Ion: 83 Resp: 111209

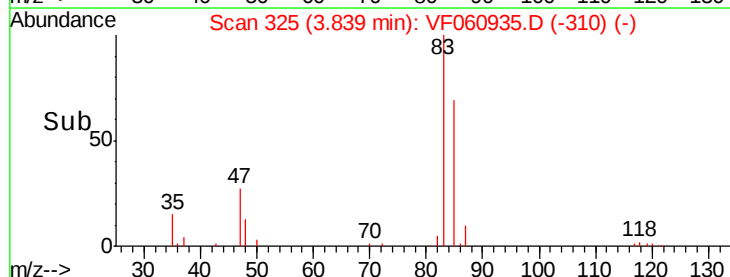
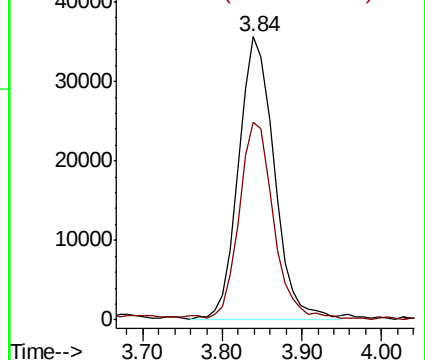
Ion Ratio Lower Upper

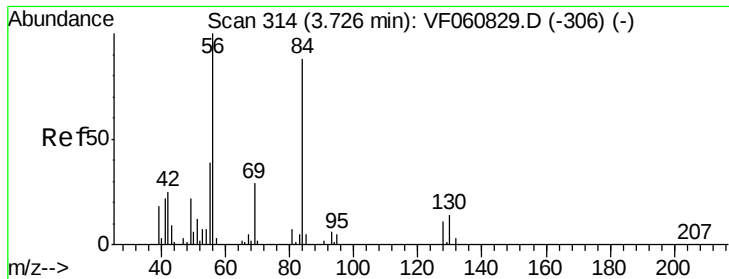
83 100

85 69.9 53.4 80.2



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 15.303 ug/l

RT: 3.67 min Scan# 308

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

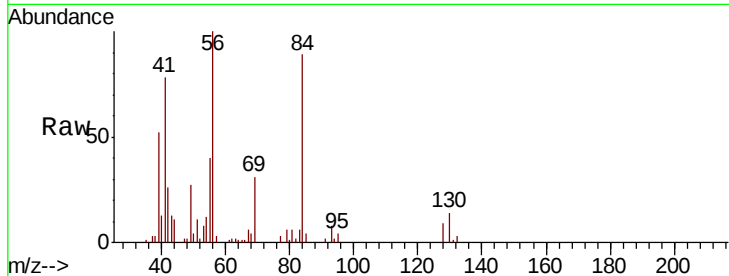
Tot Ion: 56 Resp: 47517

Ion Ratio Lower Upper

56 100

69 30.8 23.0 34.4

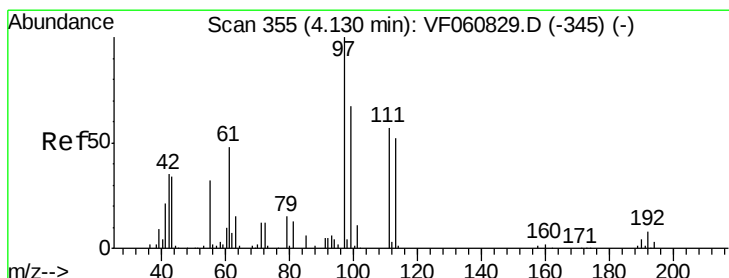
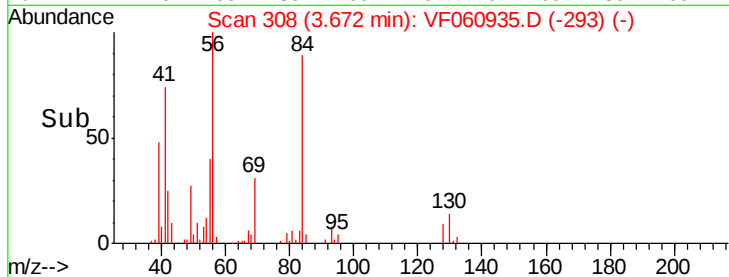
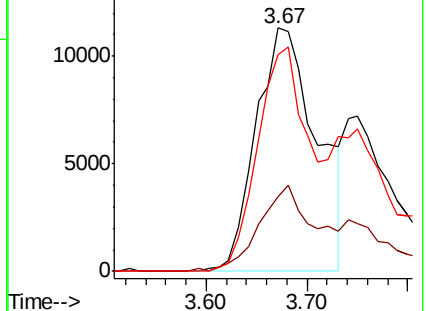
84 89.1 70.4 105.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 20.441 ug/l

RT: 4.08 min Scan# 349

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

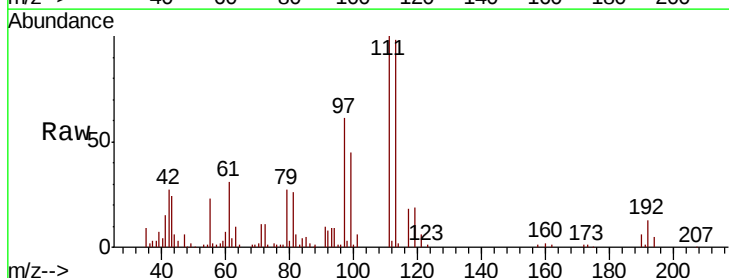
Tgt Ion: 97 Resp: 65279

Ion Ratio Lower Upper

97 100

99 73.4 53.5 80.3

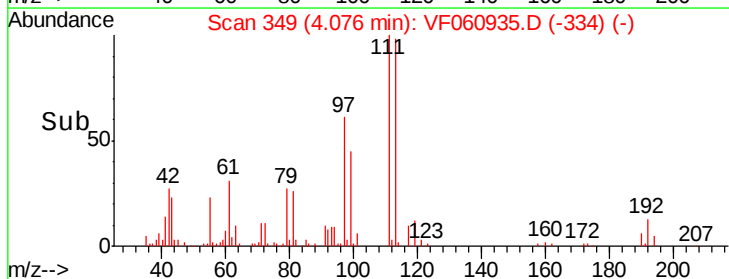
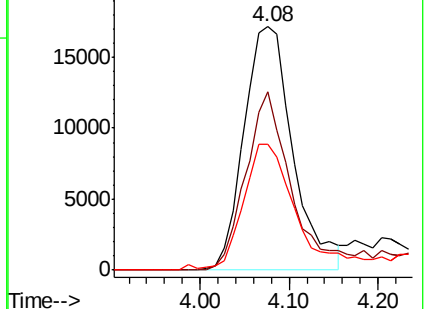
61 51.5 38.6 58.0

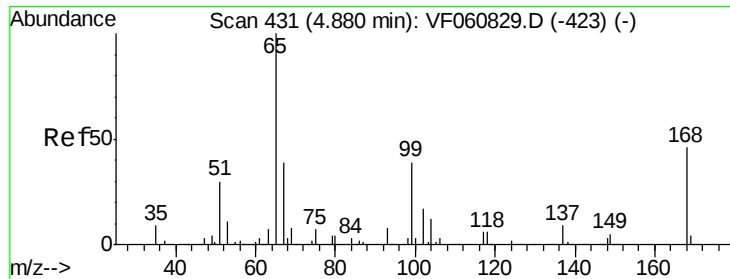


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 56.016 ug/l

RT: 4.83 min Scan# 425

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

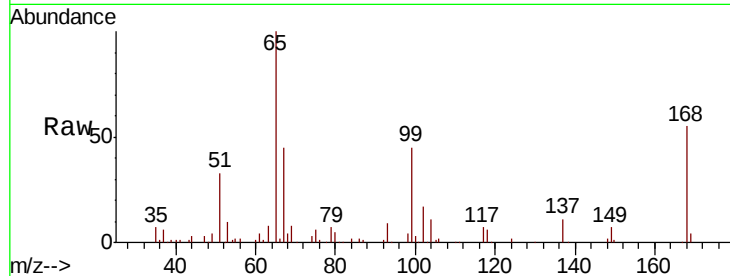
VF1207SBS01

Tot Ion: 65 Resp: 123529

Ion Ratio Lower Upper

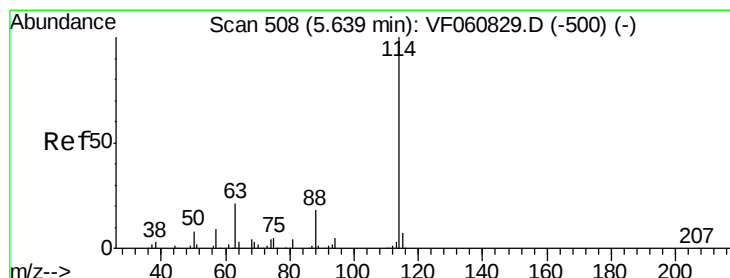
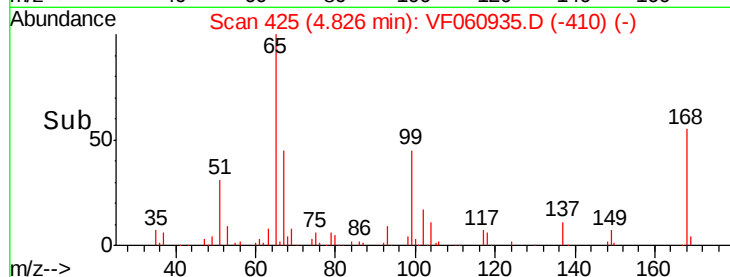
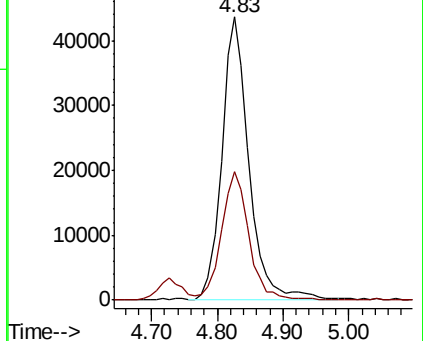
65 100

67 45.5 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 502

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

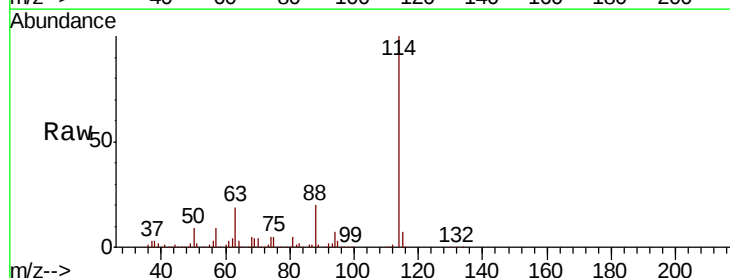
Tgt Ion: 114 Resp: 315584

Ion Ratio Lower Upper

114 100

63 18.8 0.0 41.6

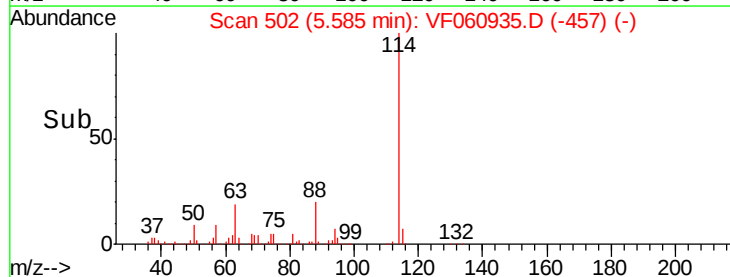
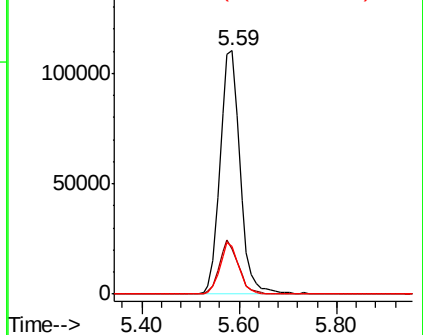
88 19.6 0.0 36.6

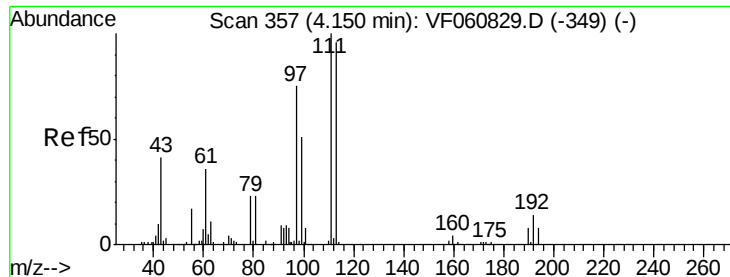


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 51.415 ug/l

RT: 4.10 min Scan# 351

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

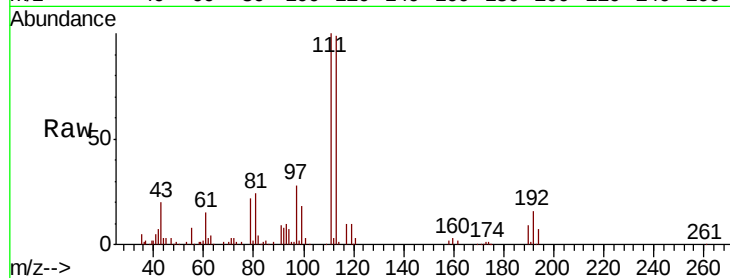
Tot Ion:113 Resp: 128722

Ion Ratio Lower Upper

113 100

111 100.9 83.0 124.6

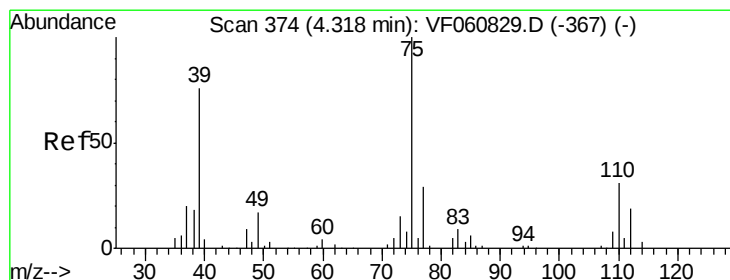
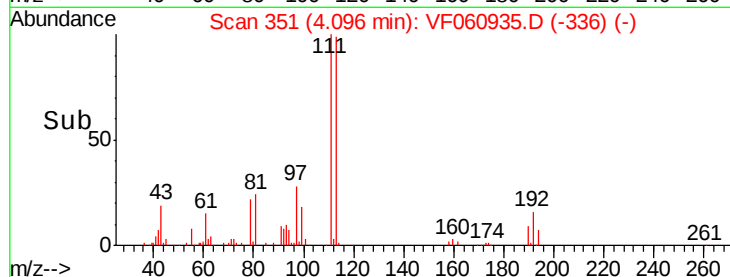
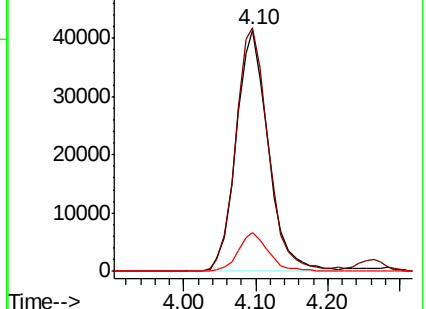
192 16.5 12.3 18.5



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 24.260 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

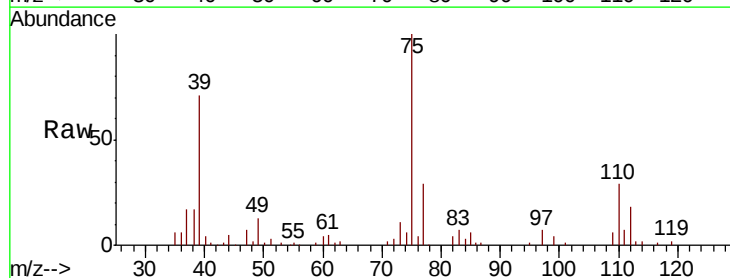
Tgt Ion: 75 Resp: 84919

Ion Ratio Lower Upper

75 100

110 29.4 15.6 46.8

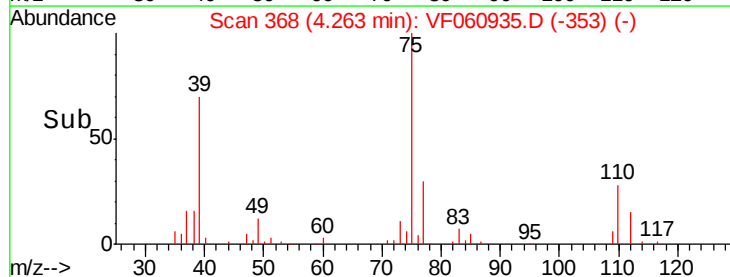
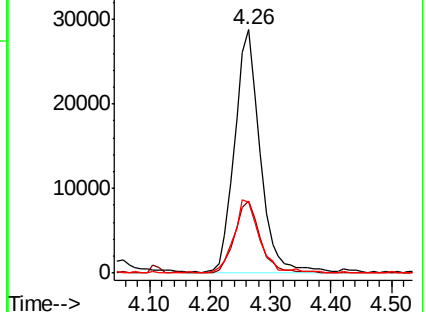
77 29.2 23.4 35.0

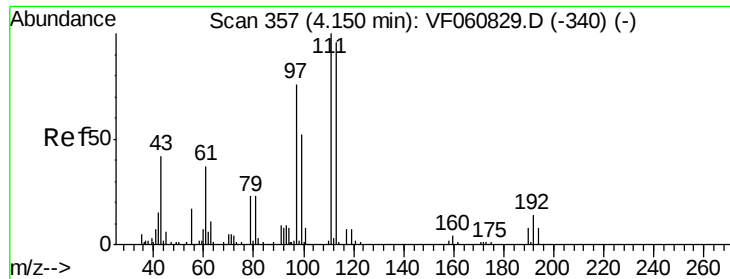


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

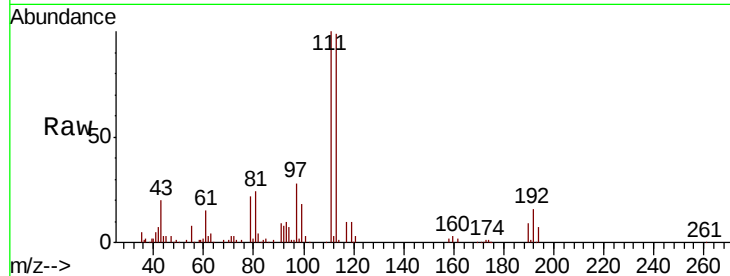




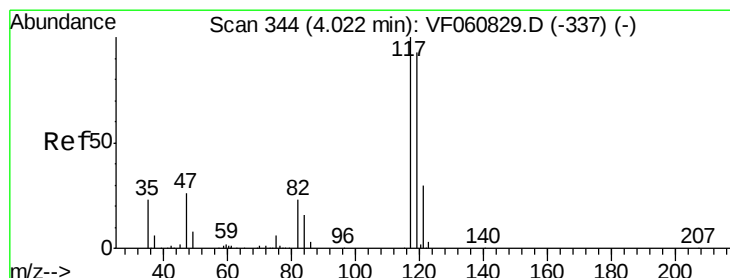
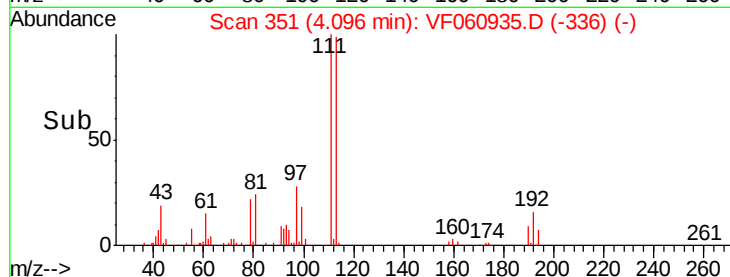
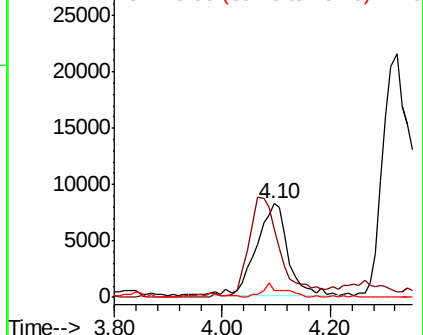
#37
Ethyl Acetate
Concen: 23.344 ug/l
RT: 4.10 min Scan# 351
Delta R.T. -0.05 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tot Ion: 43 Resp: 33206
Ion Ratio Lower Upper
43 100
61 73.7 68.6 103.0
70 6.8 9.0 13.4#

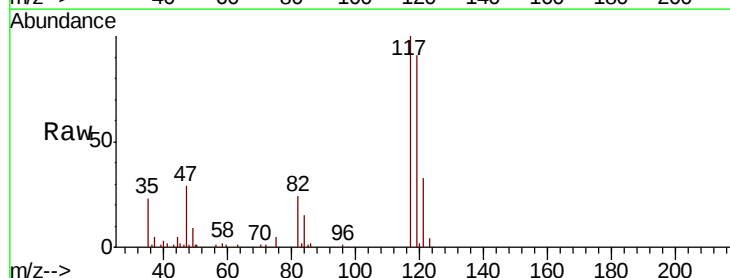


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

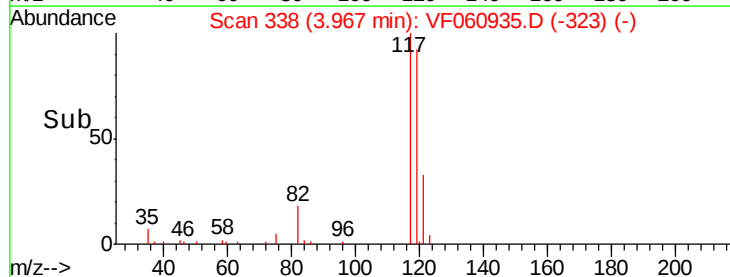
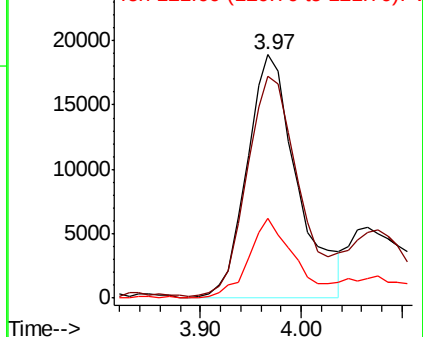


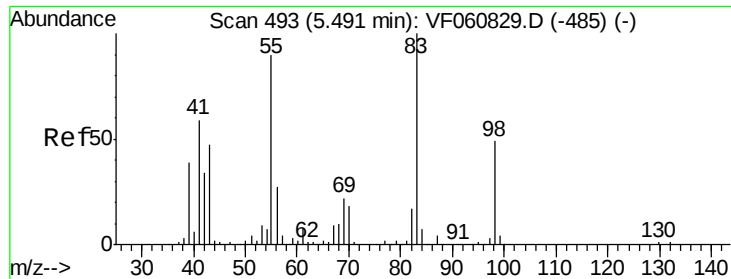
#38
Carbon Tetrachloride
Concen: 21.310 ug/l
RT: 3.97 min Scan# 338
Delta R.T. -0.05 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Tgt Ion: 117 Resp: 65883
Ion Ratio Lower Upper
117 100
119 91.3 74.4 111.6
121 32.6 23.5 35.3



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

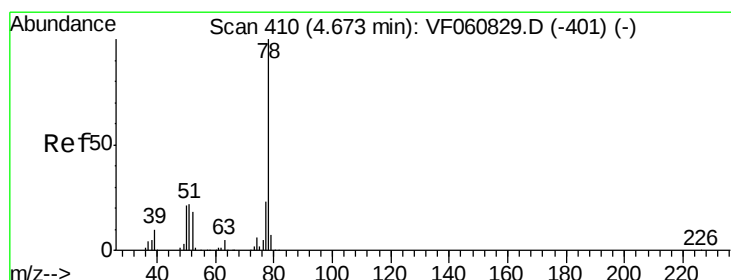
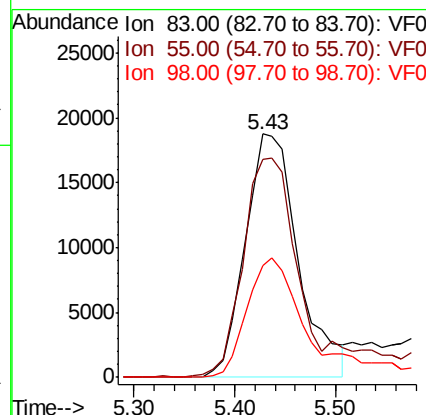
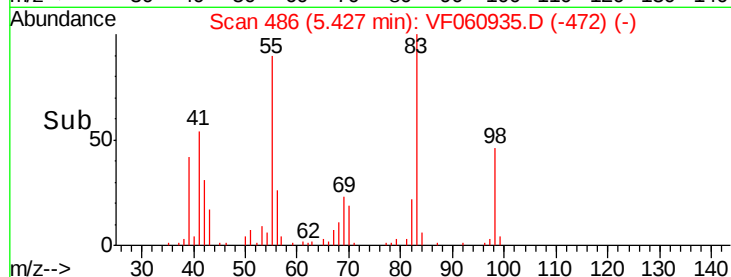
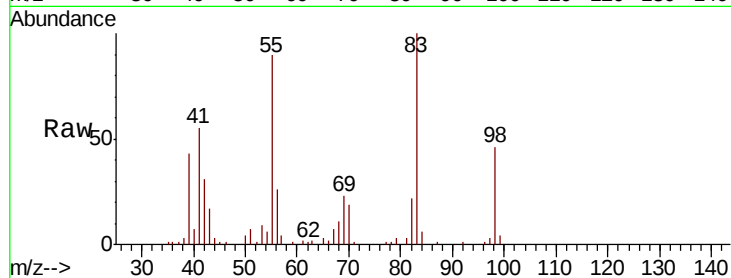




#39
Methvlcvclohexane
Concen: 18.679 ug/l
RT: 5.43 min Scan# 486
Delta R.T. -0.06 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

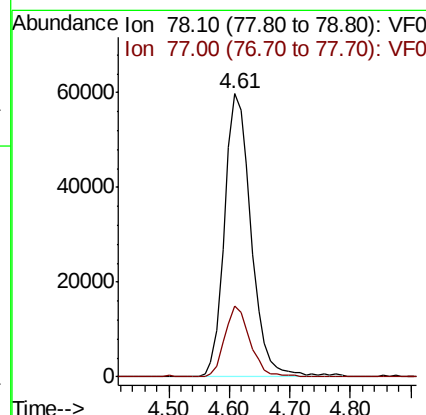
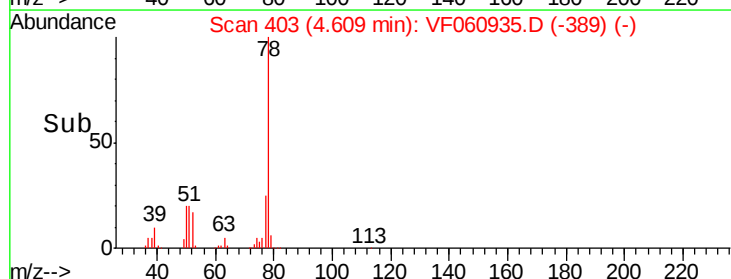
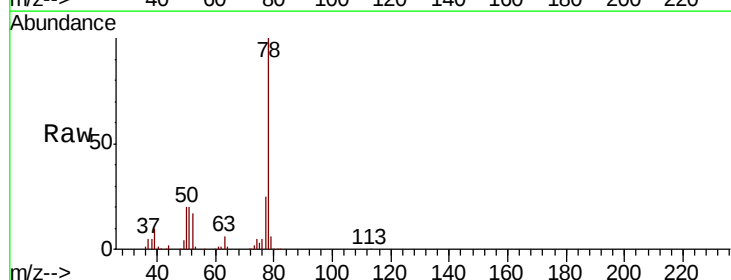
Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

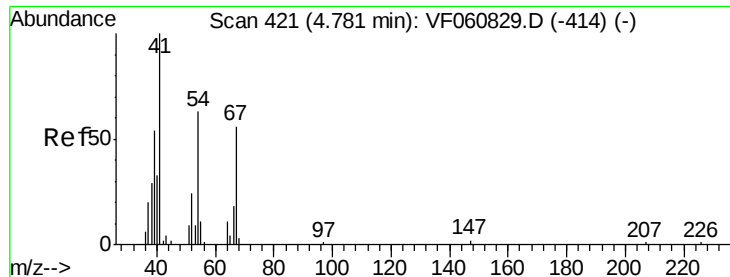
Tot Ion: 83 Resp: 68519
Ion Ratio Lower Upper
83 100
55 89.8 72.1 108.1
98 45.9 39.1 58.7



#40
Benzene
Concen: 23.681 ug/l
RT: 4.61 min Scan# 403
Delta R.T. -0.06 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Tgt Ion: 78 Resp: 183128
Ion Ratio Lower Upper
78 100
77 25.2 18.7 28.1





#41

Methacrylonitrile

Concen: 22.306 ug/l

RT: 4.73 min Scan# 415

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

Tot Ion: 41 Resp: 18010

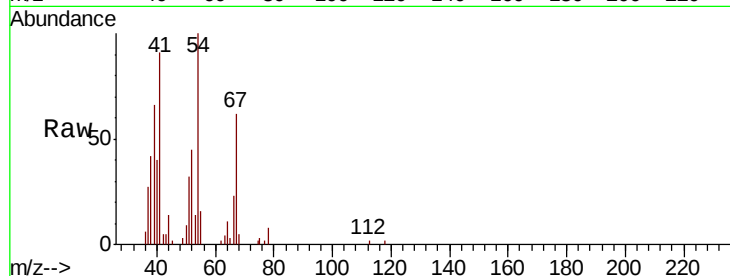
Ion Ratio Lower Upper

41 100

39 72.1 53.0 79.6

67 68.5 43.8 65.6#

52 49.0 37.8 56.8

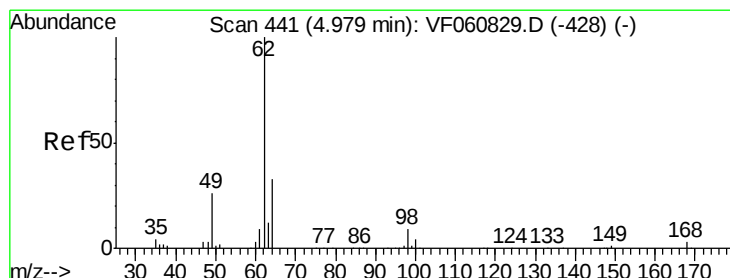
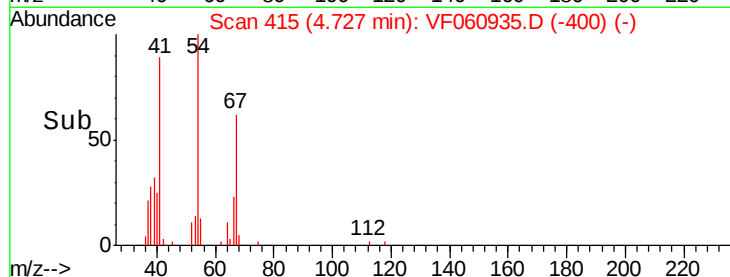
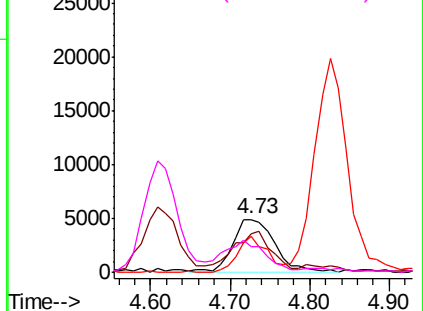


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 23.154 ug/l

RT: 4.92 min Scan# 435

Delta R.T. -0.05 min

Lab File: VF060935.D

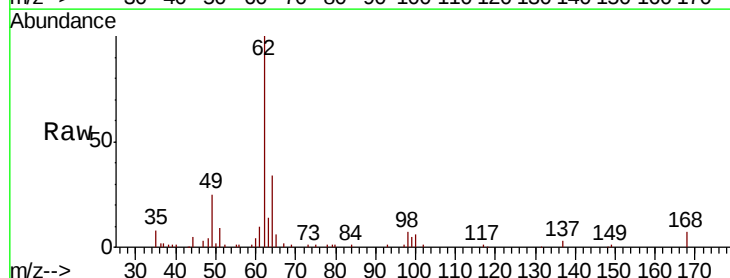
Acq: 7 Dec 2018 17:38

Tgt Ion: 62 Resp: 65367

Ion Ratio Lower Upper

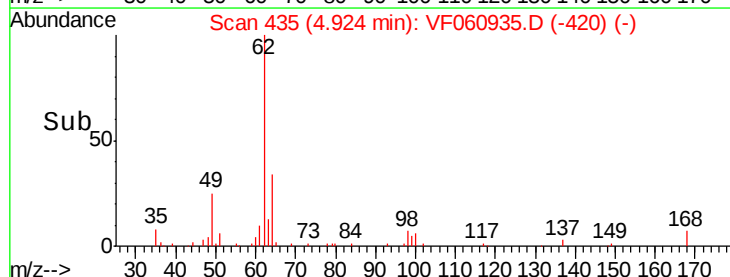
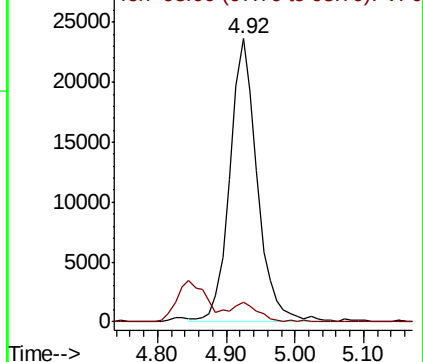
62 100

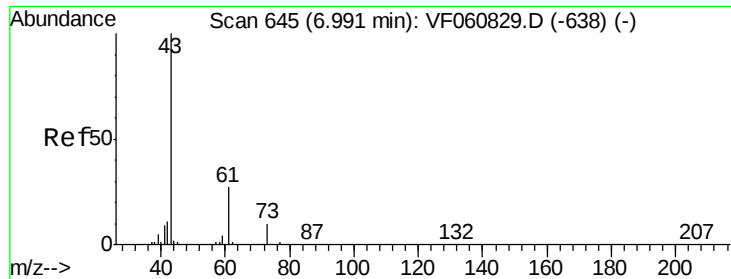
98 7.1 0.0 17.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



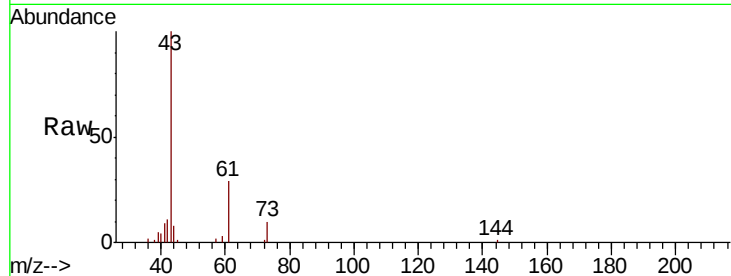


#43

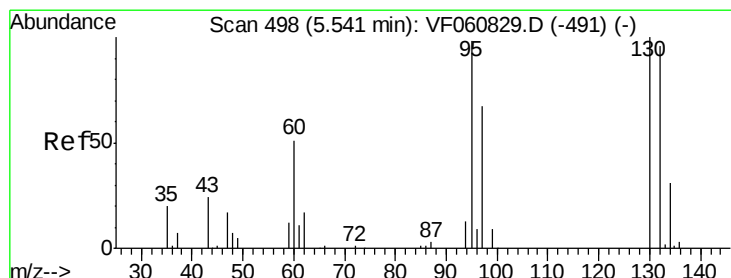
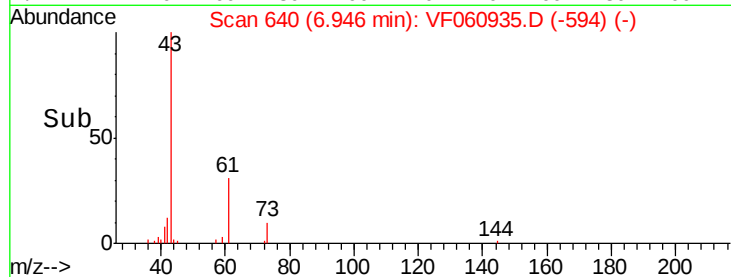
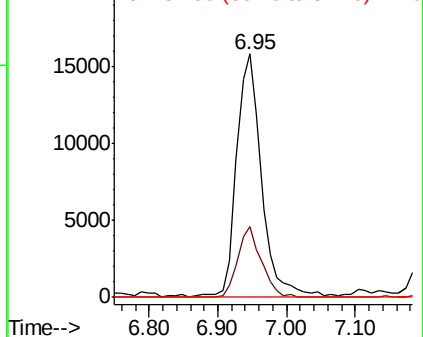
Isopropyl Acetate
 Concen: 21.294 ug/l
 RT: 6.95 min Scan# 640
 Delta R.T. -0.04 min
 Lab File: VF060935.D
 Acq: 7 Dec 2018 17:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

Tot Ion: 43 Resp: 40112
 Ion Ratio Lower Upper
 43 100
 61 29.3 21.4 32.0
 87 0.0 0.2 0.4#



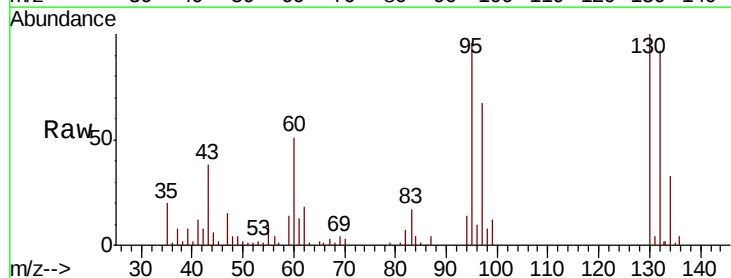
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



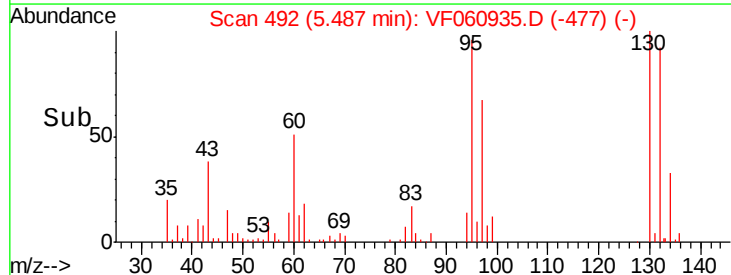
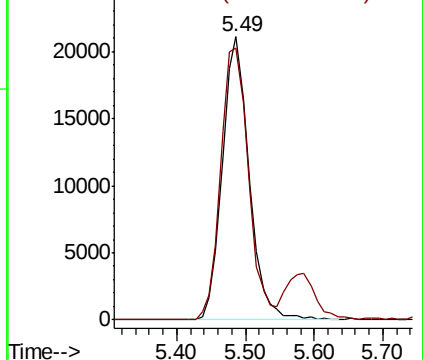
#44

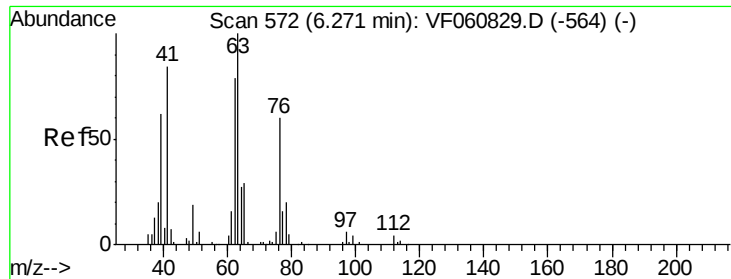
Trichloroethene
 Concen: 22.505 ug/l
 RT: 5.49 min Scan# 492
 Delta R.T. -0.05 min
 Lab File: VF060935.D
 Acq: 7 Dec 2018 17:38

Tgt Ion:130 Resp: 56902
 Ion Ratio Lower Upper
 130 100
 95 95.9 0.0 195.6



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 23.329 ug/l

RT: 6.22 min Scan# 566

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

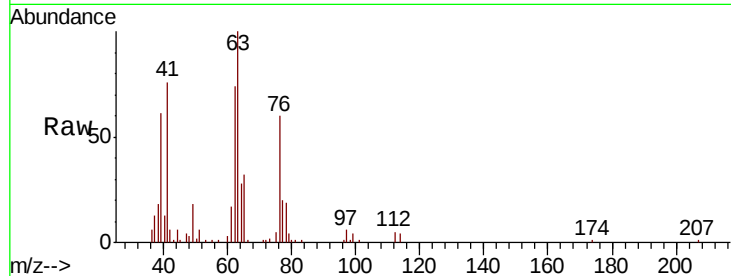
VF1207SBS01

Tot Ion: 63 Resp: 46853

Ion Ratio Lower Upper

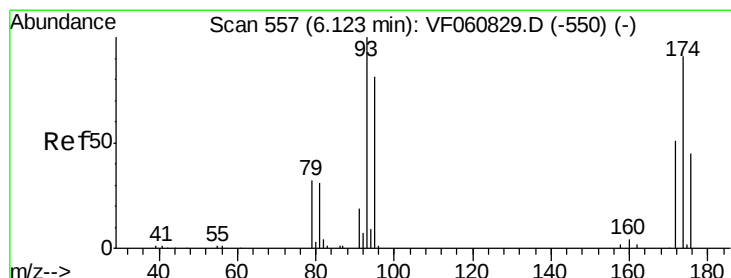
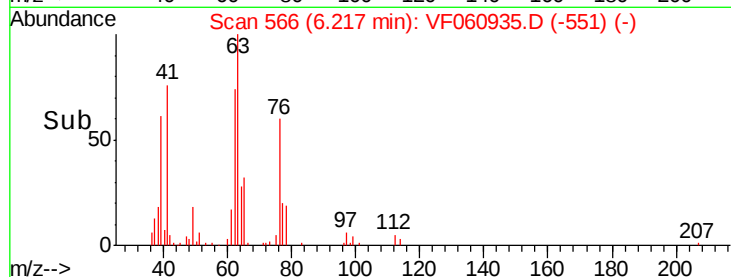
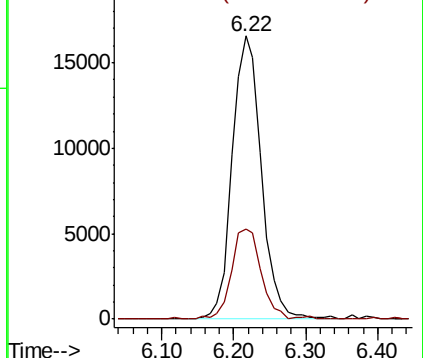
63 100

65 31.8 23.2 34.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 22.725 ug/l

RT: 6.07 min Scan# 551

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

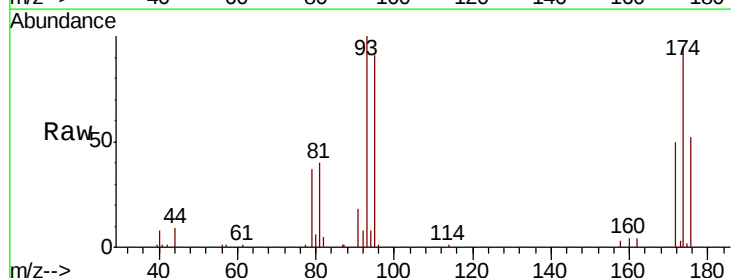
Tgt Ion: 93 Resp: 30961

Ion Ratio Lower Upper

93 100

95 91.0 64.7 97.1

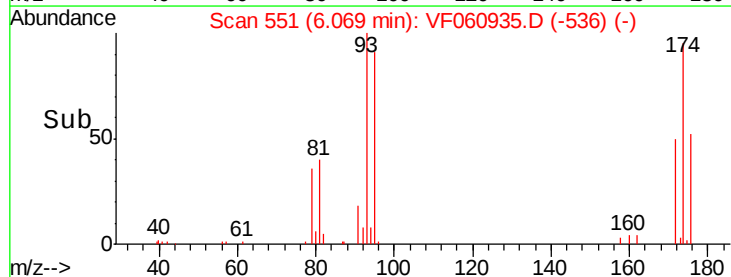
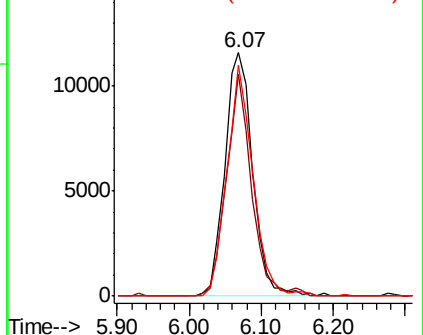
174 94.6 73.0 109.6

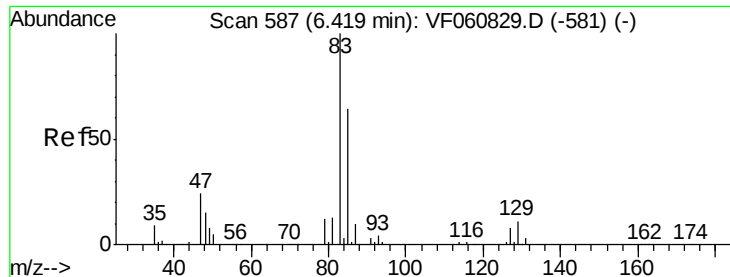


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 22.126 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

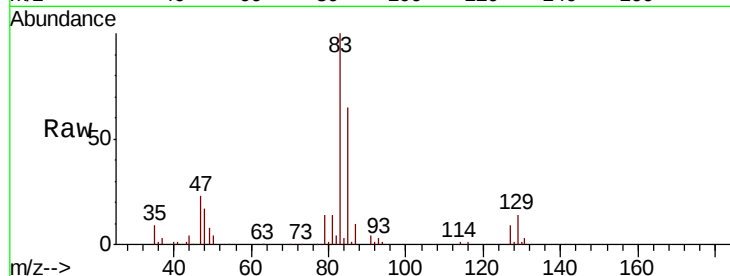
Tot Ion: 83 Resp: 80063

Ion Ratio Lower Upper

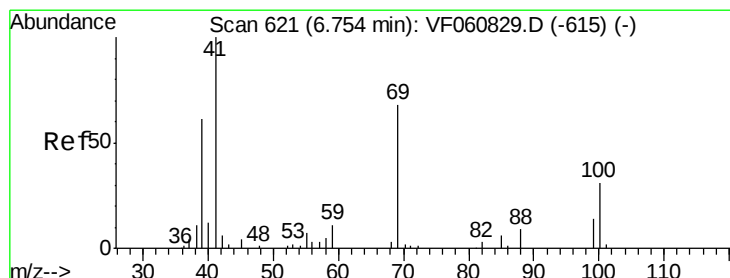
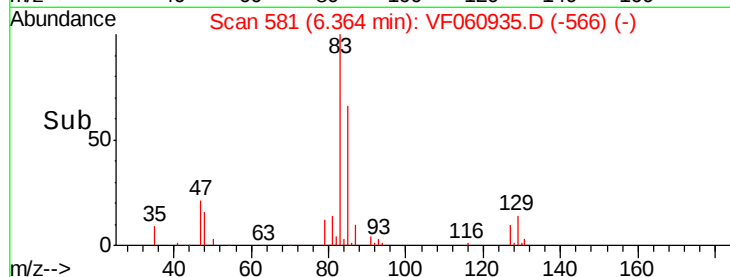
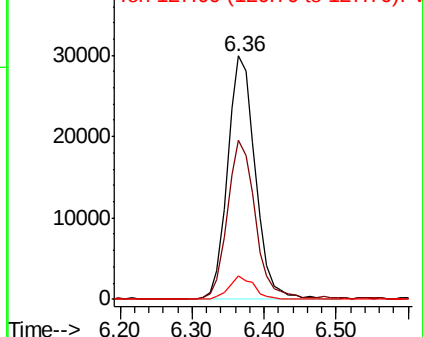
83 100

85 65.1 51.1 76.7

127 9.5 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 20.768 ug/l

RT: 6.70 min Scan# 615

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

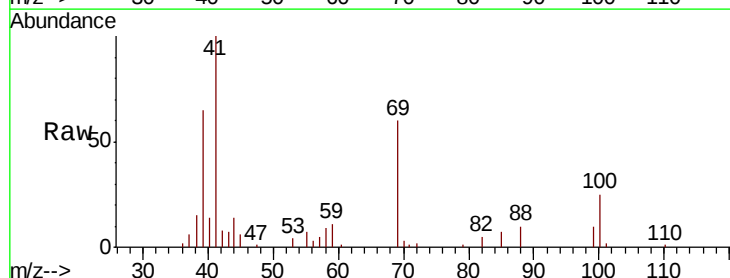
Tgt Ion: 41 Resp: 26740

Ion Ratio Lower Upper

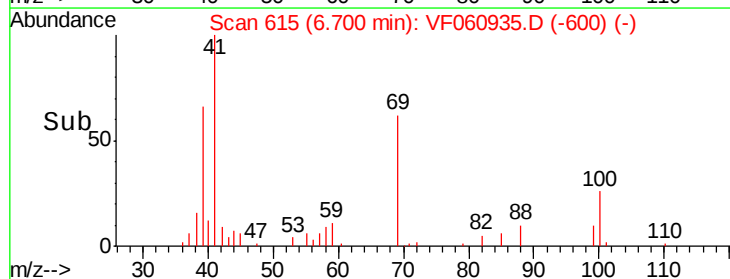
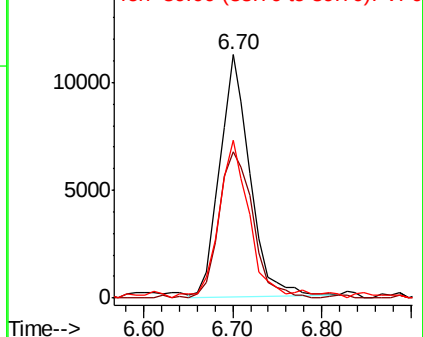
41 100

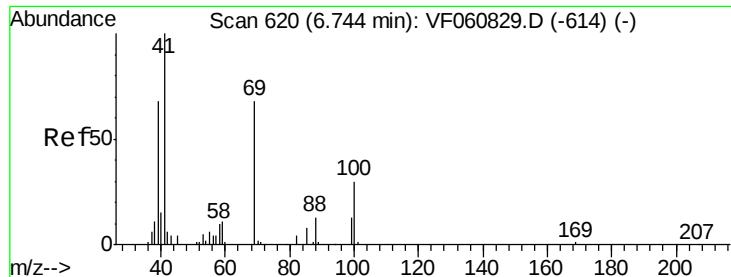
69 60.3 53.9 80.9

39 64.7 49.0 73.6



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 410.472 ug/l

RT: 6.70 min Scan# 615

Delta R.T. -0.04 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

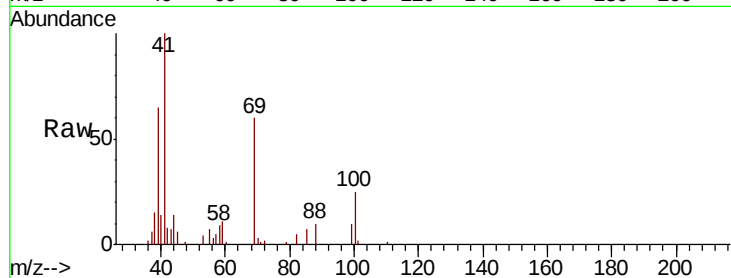
Tot Ion: 88 Resp: 3868

Ion Ratio Lower Upper

88 100

43 70.1 42.0 63.0#

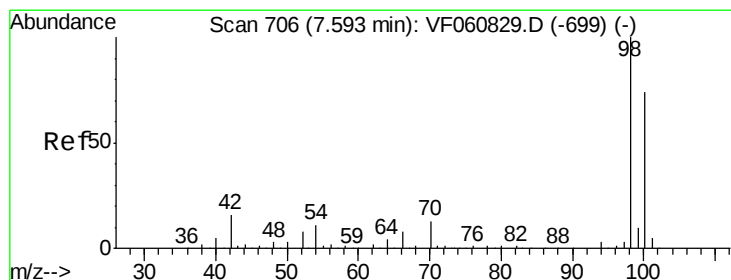
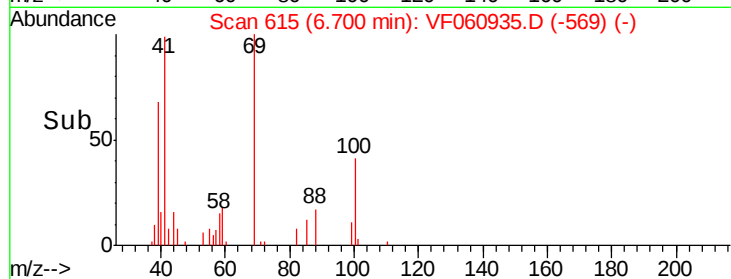
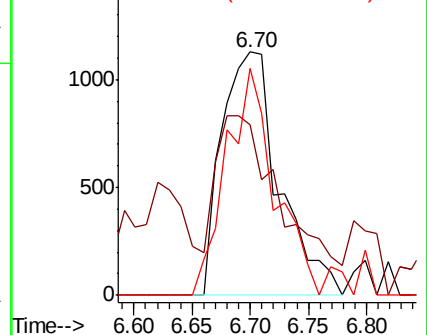
58 93.1 61.8 92.8#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 48.580 ug/l

RT: 7.54 min Scan# 700

Delta R.T. -0.05 min

Lab File: VF060935.D

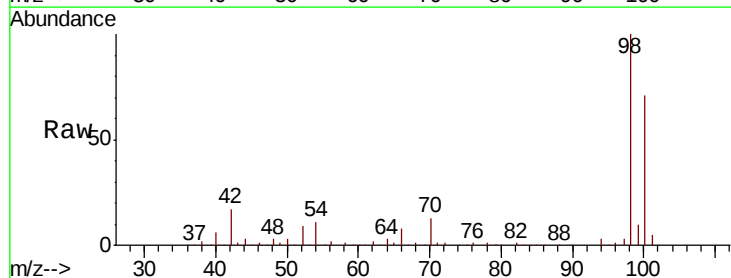
Acq: 7 Dec 2018 17:38

Tgt Ion: 98 Resp: 358272

Ion Ratio Lower Upper

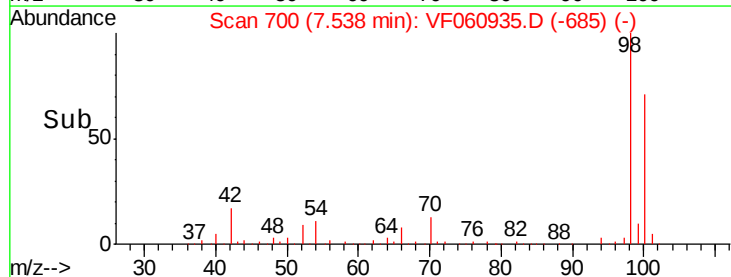
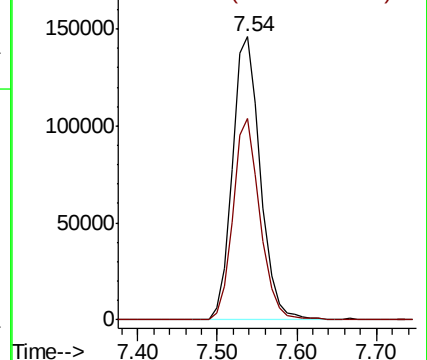
98 100

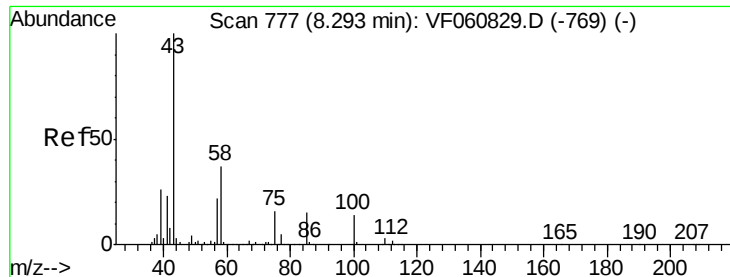
100 71.1 59.3 88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 111.845 ug/l

RT: 8.24 min Scan# 771

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

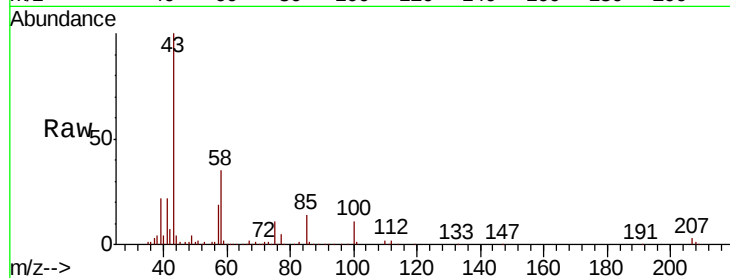
VF1207SBS01

Tot Ion: 43 Resp: 146710

Ion Ratio Lower Upper

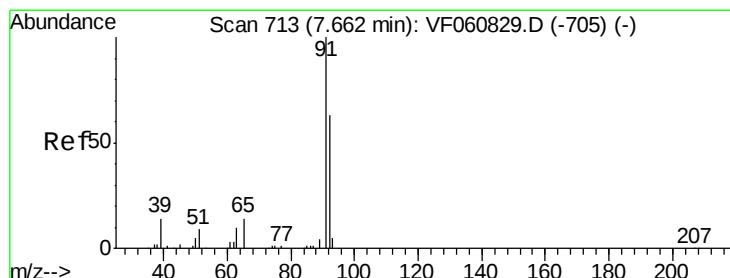
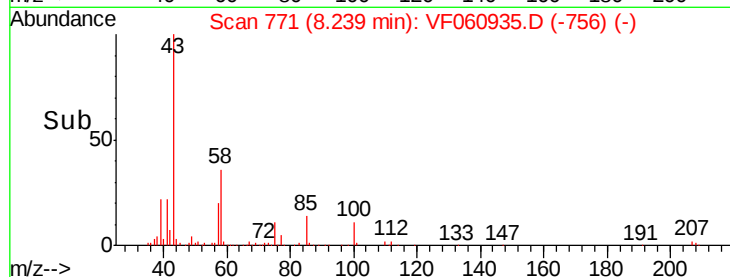
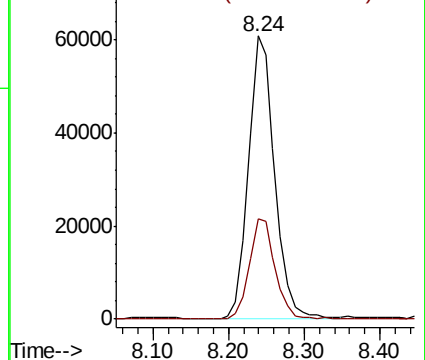
43 100

58 35.5 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.945 ug/l

RT: 7.61 min Scan# 707

Delta R.T. -0.05 min

Lab File: VF060935.D

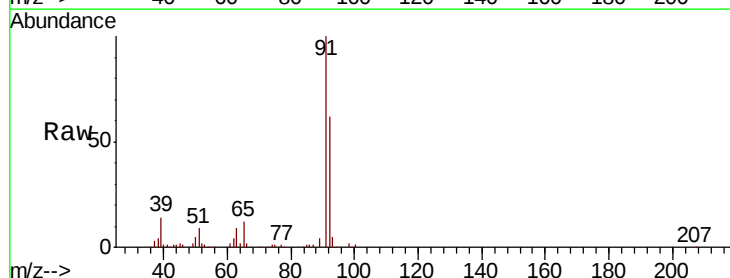
Acq: 7 Dec 2018 17:38

Tgt Ion: 92 Resp: 119202

Ion Ratio Lower Upper

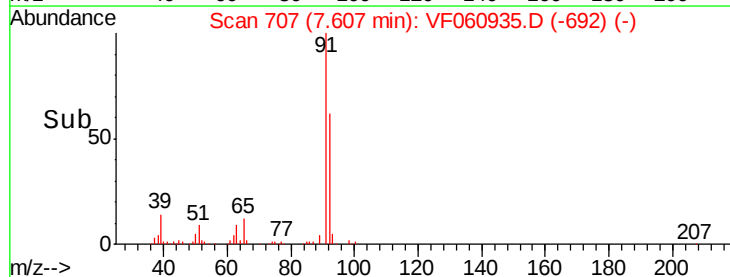
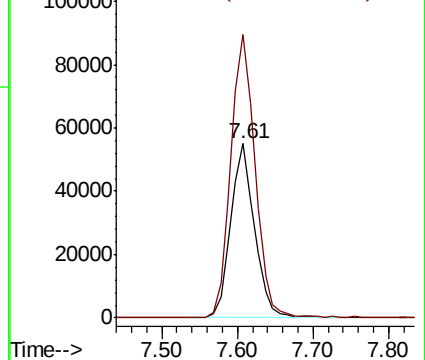
92 100

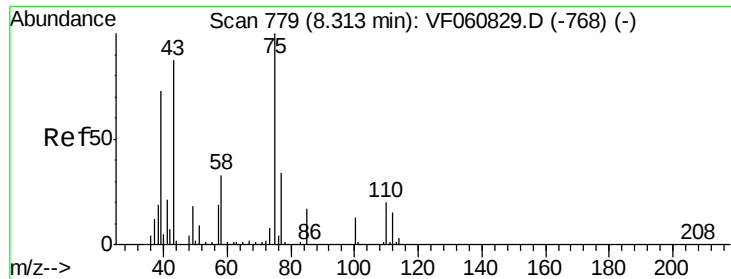
91 162.4 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 22.842 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

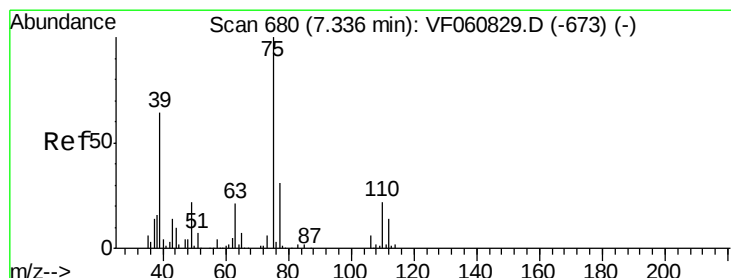
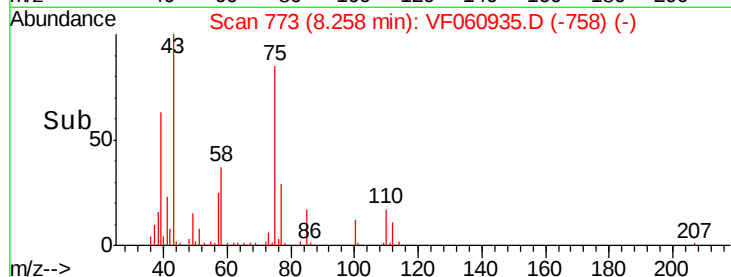
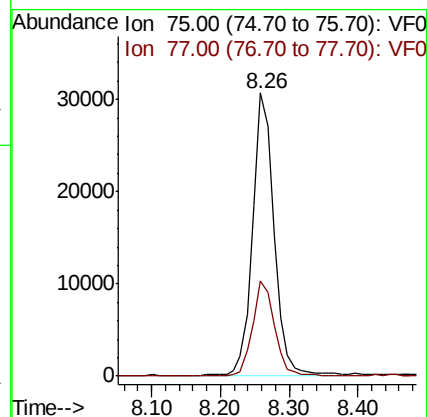
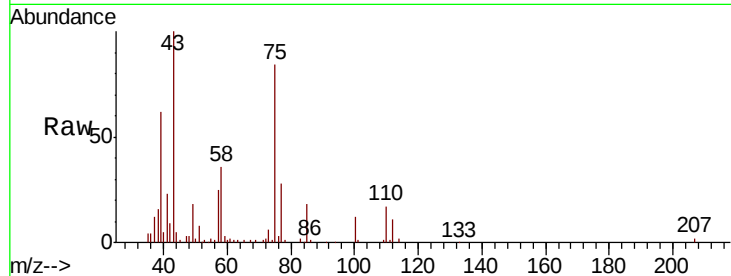
VF1207SBS01

Tot Ion: 75 Resp: 67233

Ion Ratio Lower Upper

75 100

77 33.6 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 23.307 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

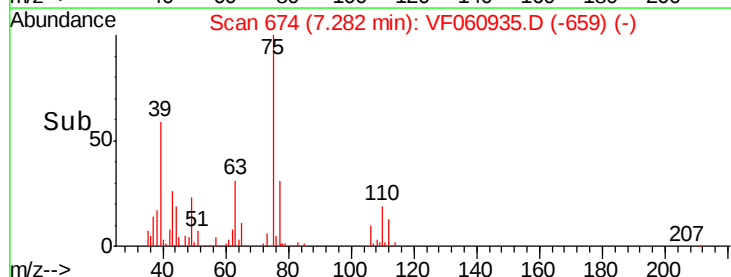
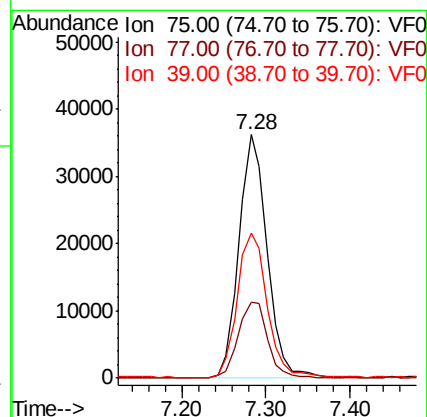
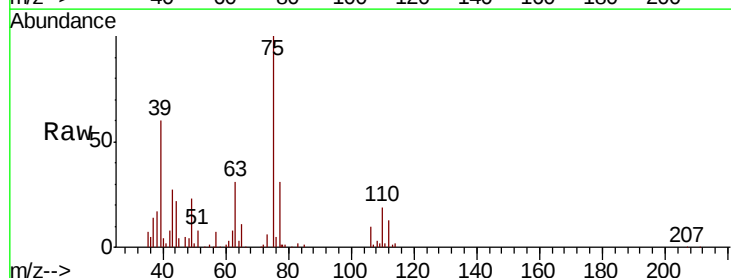
Tgt Ion: 75 Resp: 84925

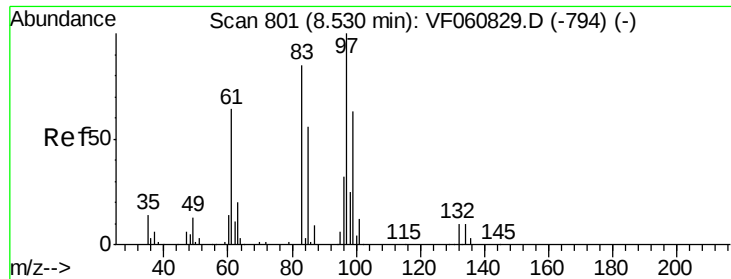
Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.6

39 59.7 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 23.006 ug/l

RT: 8.48 min Scan# 795

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

Tot Ion: 97 Resp: 36413

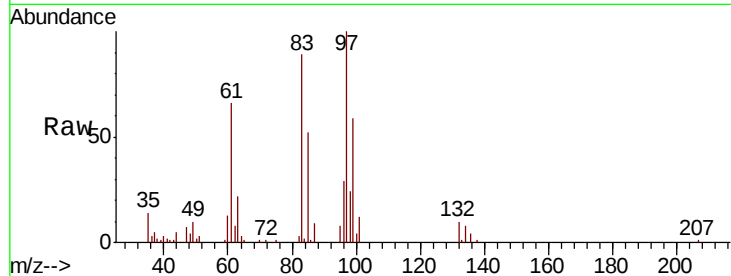
Ion	Ratio	Lower	Upper
97	100		
83	89.4	67.8	101.6
85	52.1	45.0	67.6
99	58.9	50.5	75.7

97 100

83 89.4 67.8 101.6

85 52.1 45.0 67.6

99 58.9 50.5 75.7



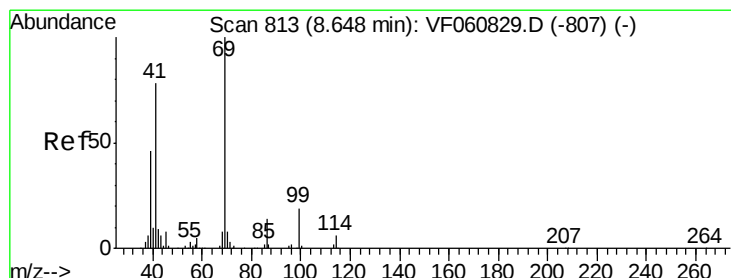
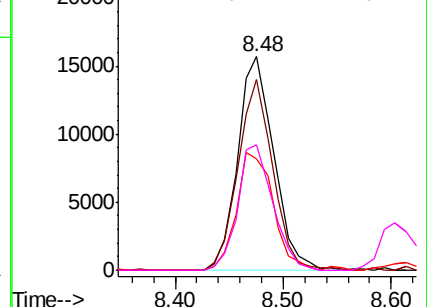
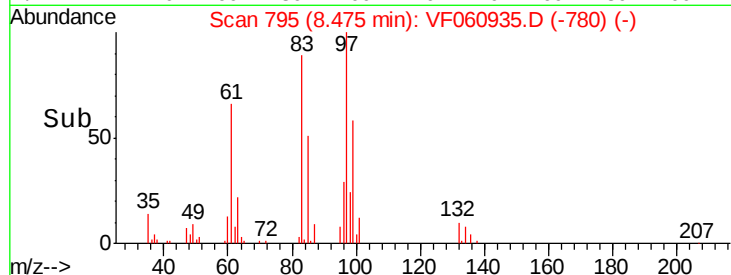
Abundance

Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 22.323 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.04 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

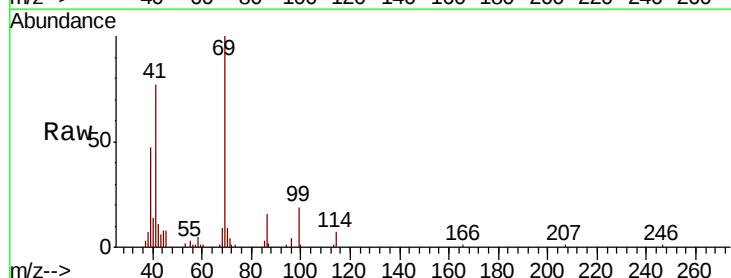
Tgt Ion: 69 Resp: 39249

Ion	Ratio	Lower	Upper
69	100		
41	76.5	62.6	94.0
39	47.4	37.8	56.6

69 100

41 76.5 62.6 94.0

39 47.4 37.8 56.6

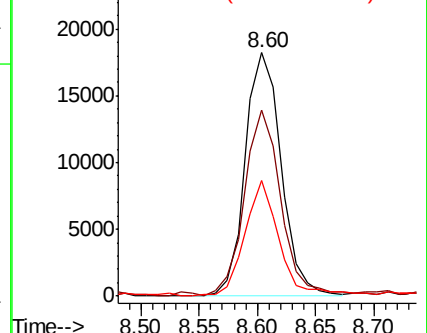
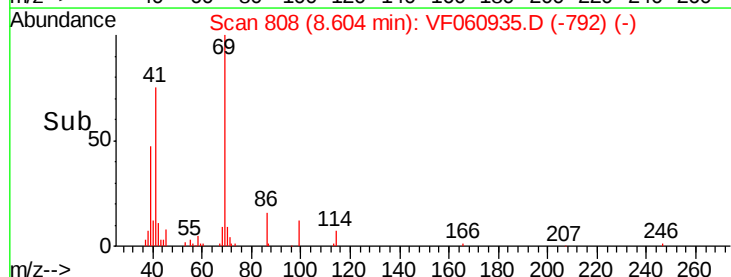


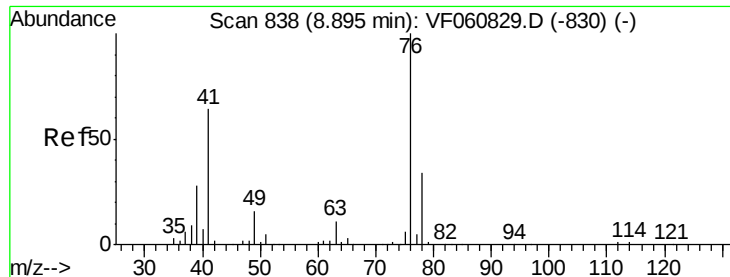
Abundance

Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 23.102 ug/l

RT: 8.84 min Scan# 832

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

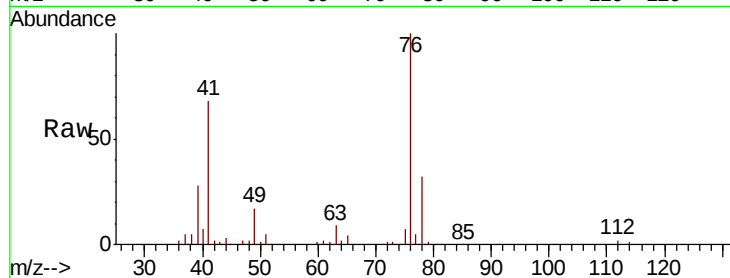
VF1207SBS01

Tot Ion: 76 Resp: 63971

Ion Ratio Lower Upper

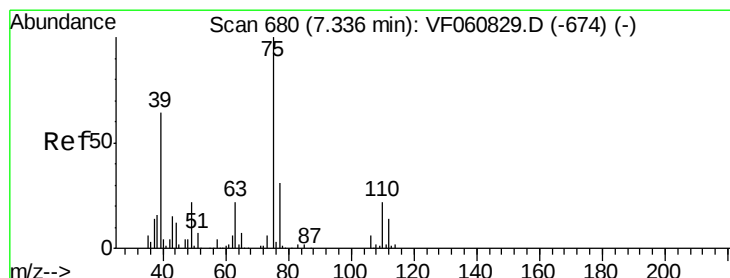
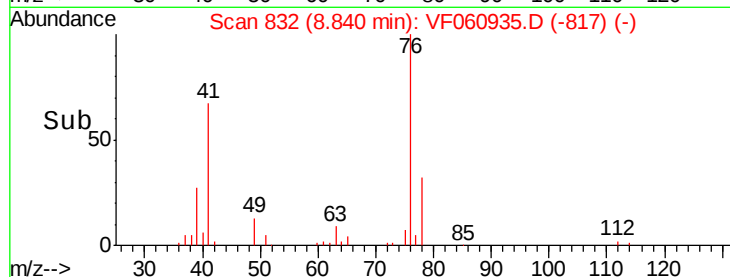
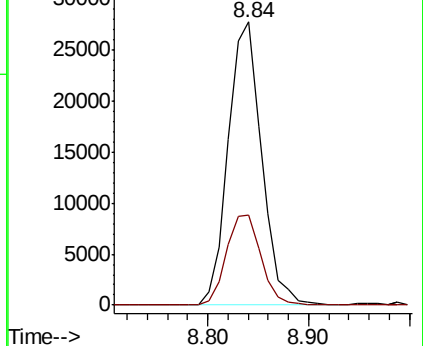
76 100

78 31.9 27.0 40.4



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 150.916 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.05 min

Lab File: VF060935.D

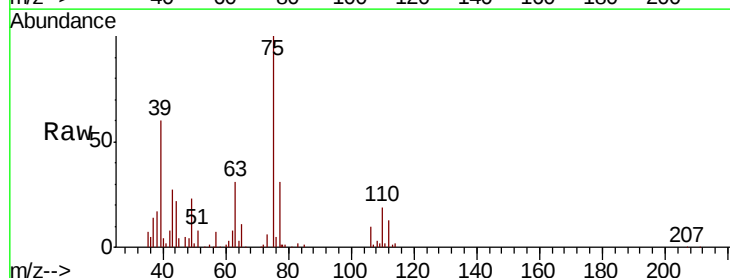
Acq: 7 Dec 2018 17:38

Tgt Ion: 63 Resp: 27141

Ion Ratio Lower Upper

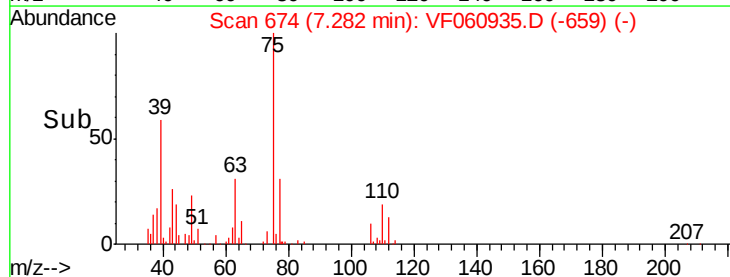
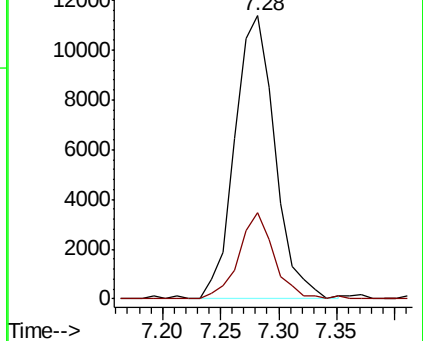
63 100

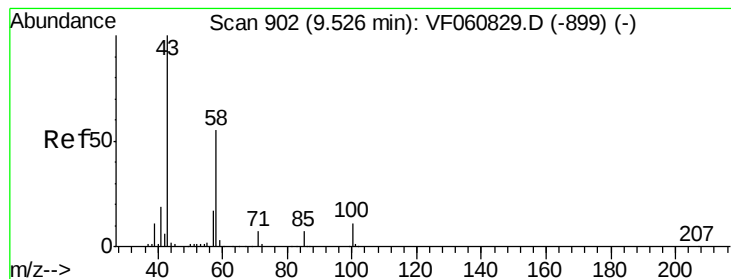
106 30.4 23.0 34.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#59

2-Hexanone

Concen: 112.418 ug/l

RT: 9.47 min Scan# 896

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

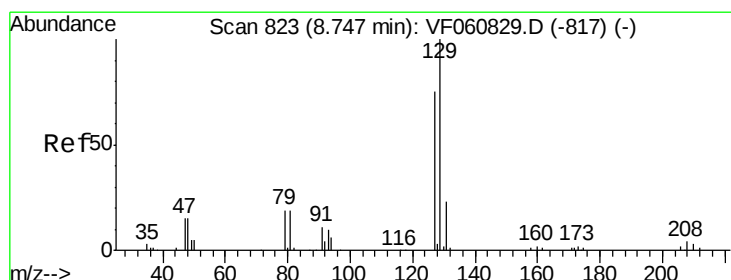
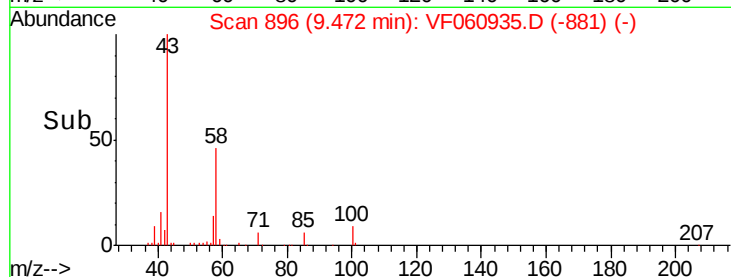
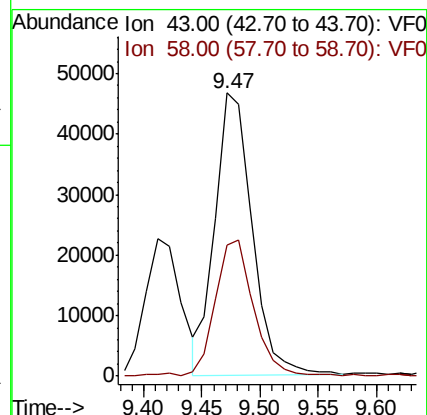
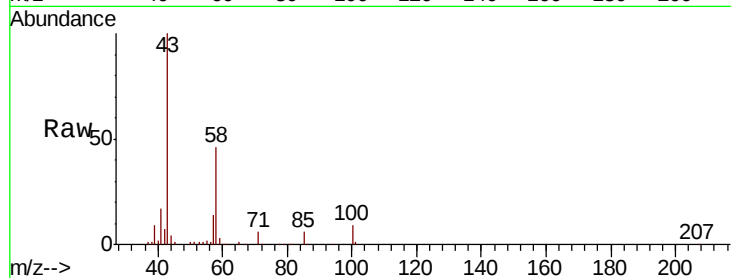
VF1207SBS01

Tot Ion: 43 Resp: 103453

Ion Ratio Lower Upper

43 100

58 46.3 25.6 76.6



#60

Dibromochloromethane

Concen: 21.474 ug/l

RT: 8.70 min Scan# 818

Delta R.T. -0.04 min

Lab File: VF060935.D

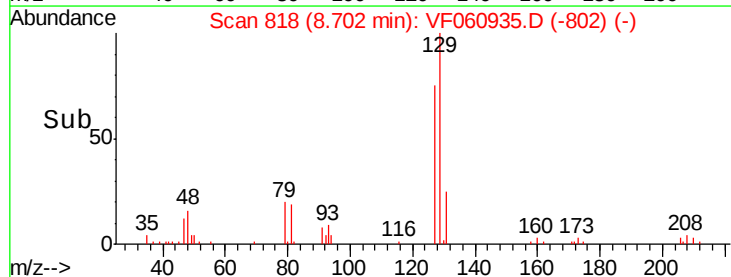
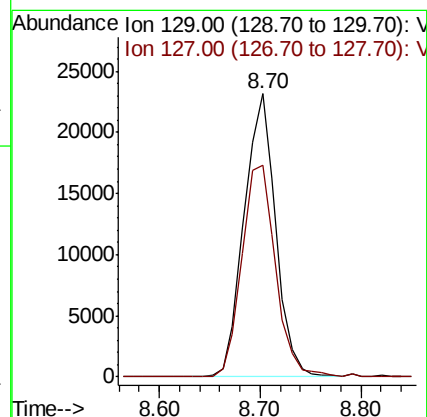
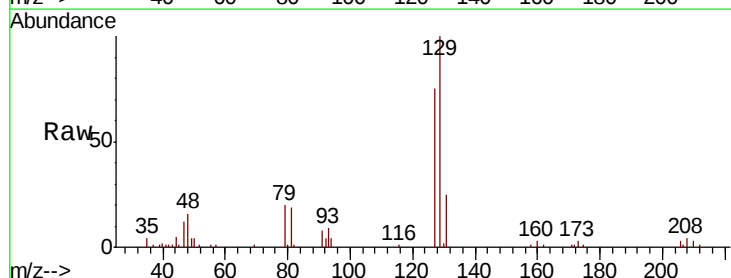
Acq: 7 Dec 2018 17:38

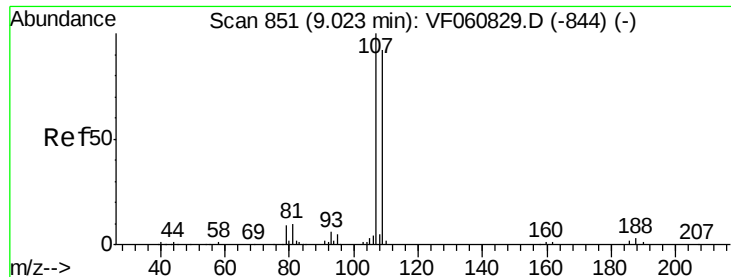
Tgt Ion:129 Resp: 50641

Ion Ratio Lower Upper

129 100

127 74.7 37.3 111.9





#61

1,2-Dibromoethane

Concen: 22.327 ug/l

RT: 8.97 min Scan# 845

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

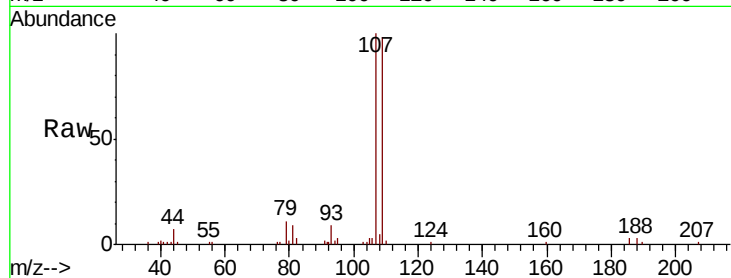
VF1207SBS01

Tot Ion:107 Resp: 38175

Ion Ratio Lower Upper

107 100

109 98.0 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.97

15000

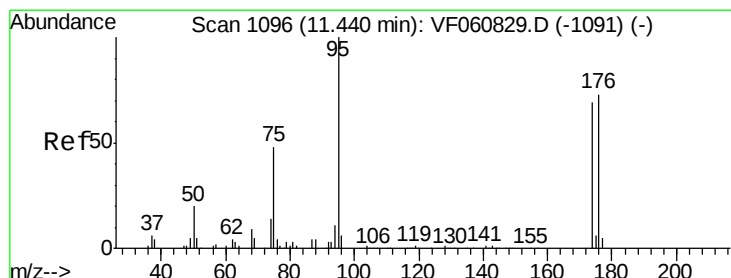
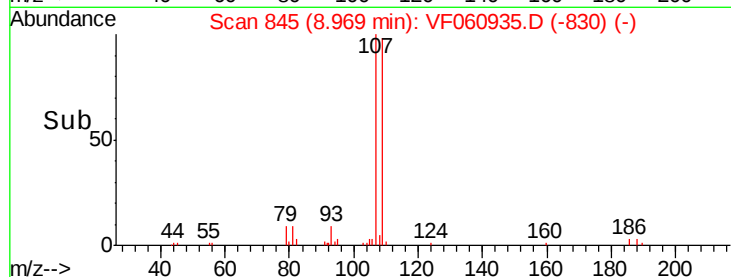
10000

5000

0

Time-->

8.90 9.00 9.10



#62

4-Bromofluorobenzene

Concen: 50.491 ug/l

RT: 11.40 min Scan# 1091

Delta R.T. -0.04 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

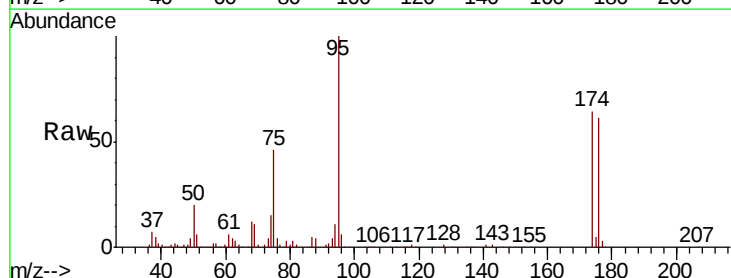
Tgt Ion: 95 Resp: 169234

Ion Ratio Lower Upper

95 100

174 64.4 0.0 138.2

176 61.0 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

11.40

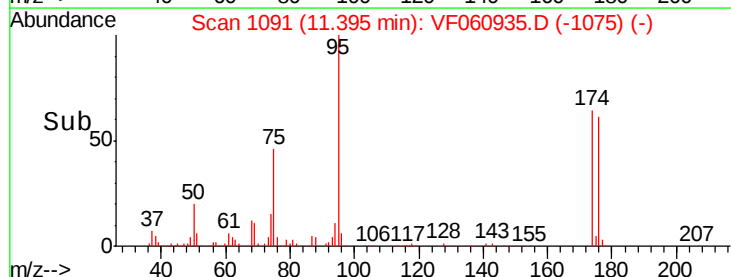
100000

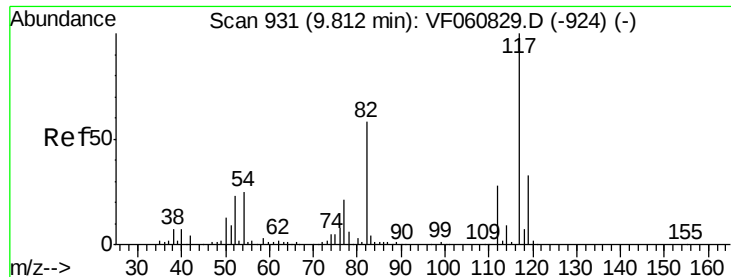
50000

0

Time-->

11.30 11.40 11.50

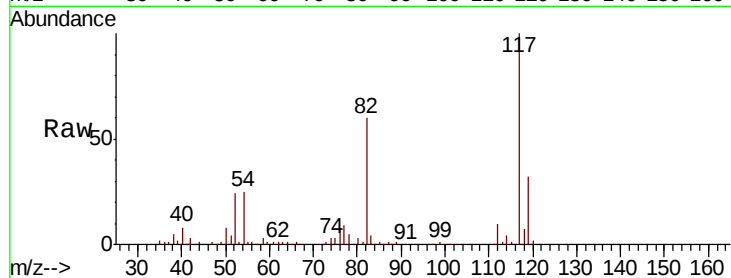




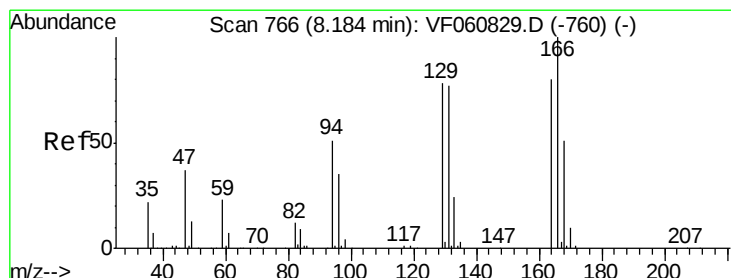
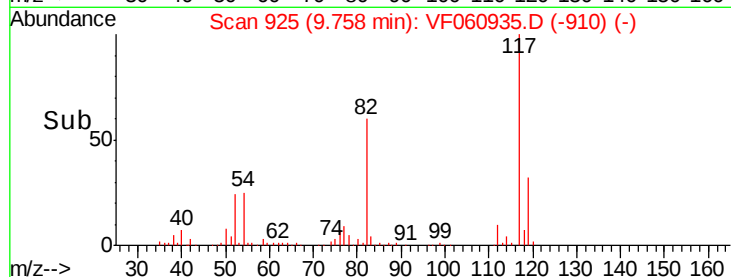
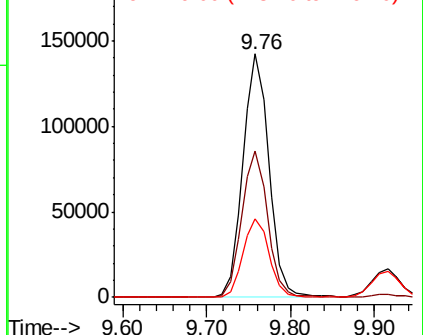
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 925
Delta R.T. -0.05 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tot Ion:117 Resp: 308698
Ion Ratio Lower Upper
117 100
82 60.2 46.6 69.8
119 32.1 26.4 39.6

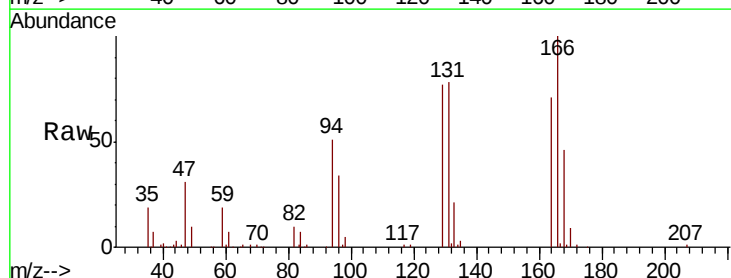


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

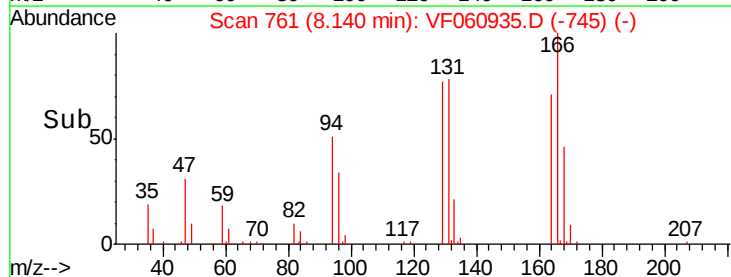
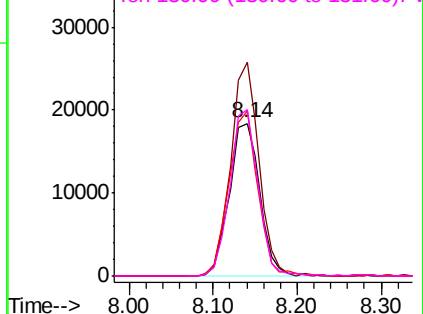


#64
Tetrachloroethene
Concen: 19.741 ug/l
RT: 8.14 min Scan# 761
Delta R.T. -0.04 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Tgt Ion:164 Resp: 46545
Ion Ratio Lower Upper
164 100
166 140.0 100.3 150.5
129 108.2 77.9 116.9
131 109.1 77.5 116.3



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

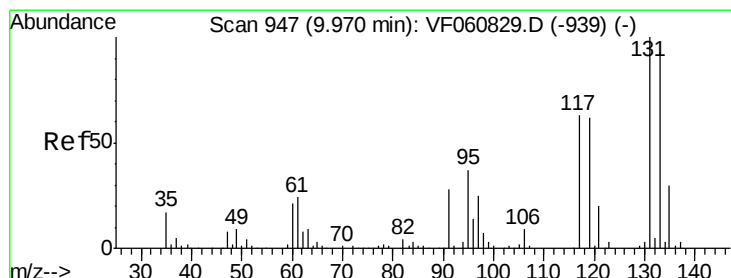
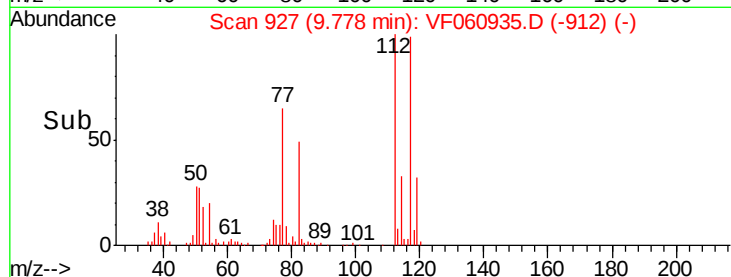
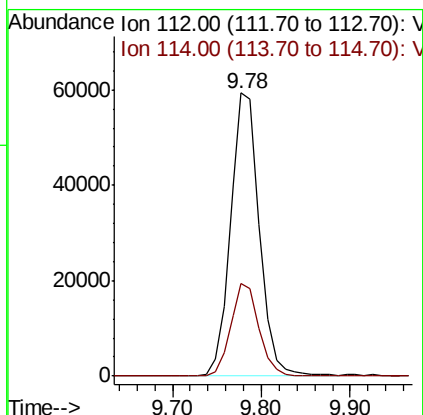
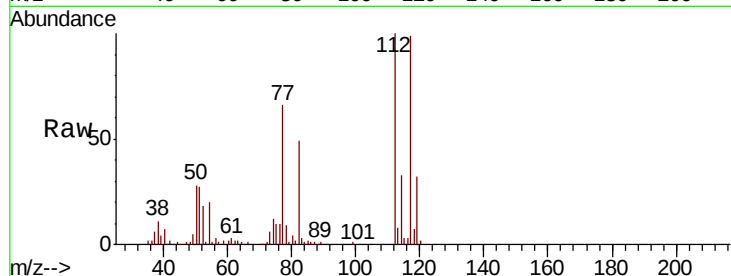




#65
Chlorobenzene
Concen: 22.372 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.05 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

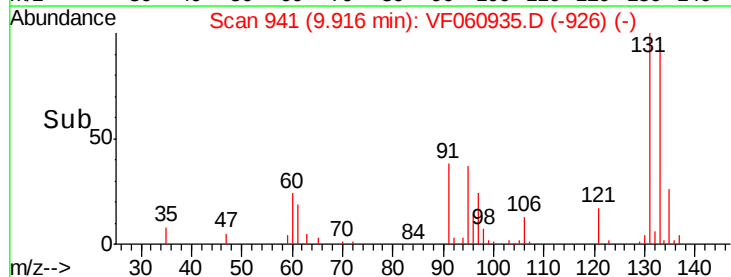
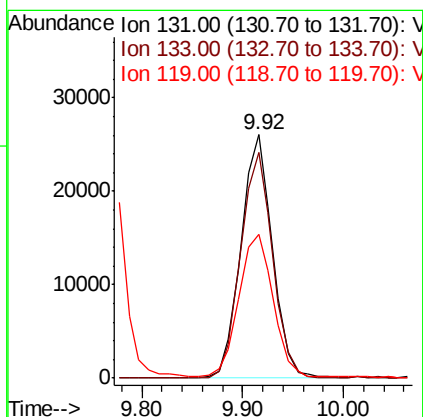
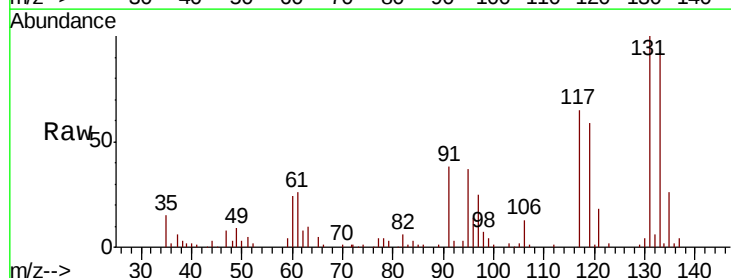
Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tot Ion:112 Resp: 134354
Ion Ratio Lower Upper
112 100
114 32.6 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.889 ug/l
RT: 9.92 min Scan# 941
Delta R.T. -0.05 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Tgt Ion:131 Resp: 56511
Ion Ratio Lower Upper
131 100
133 92.5 46.5 139.3
119 59.1 31.1 93.3

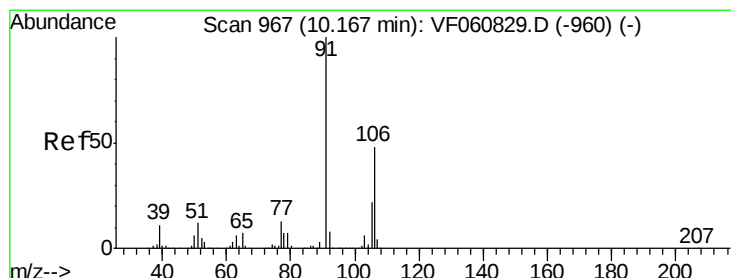
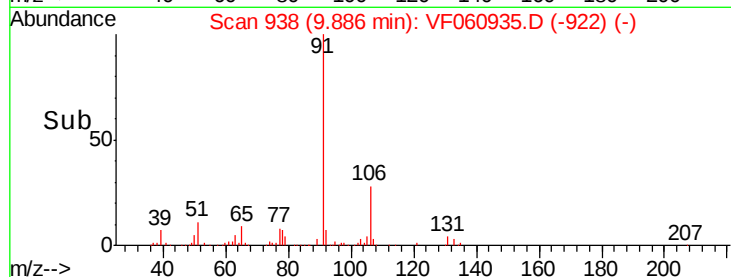
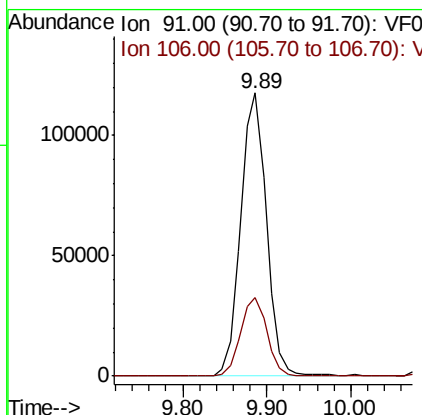
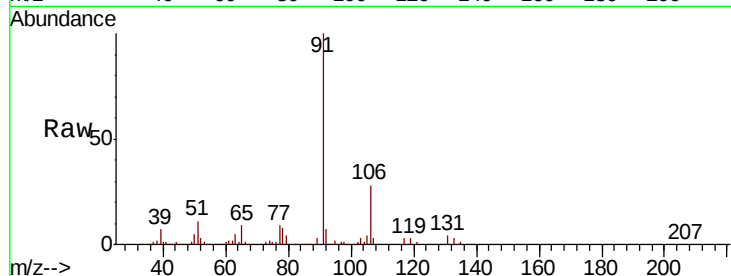




#67
Ethyl Benzene
Concen: 22.494 ug/l
RT: 9.89 min Scan# 938
Delta R.T. -0.04 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

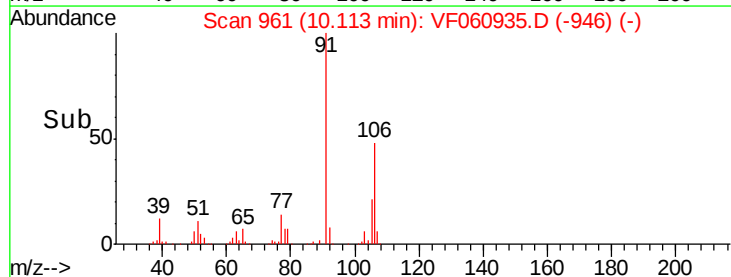
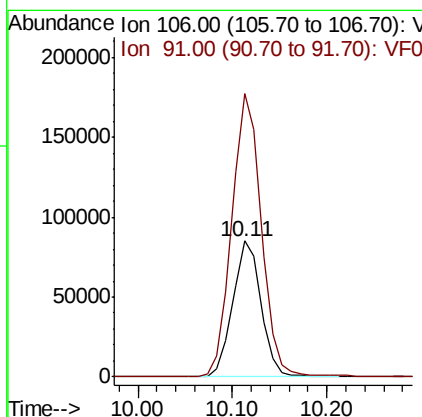
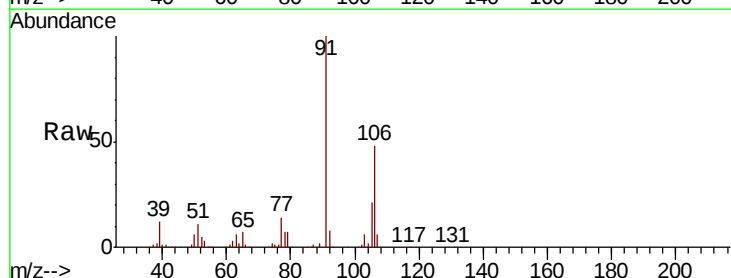
Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

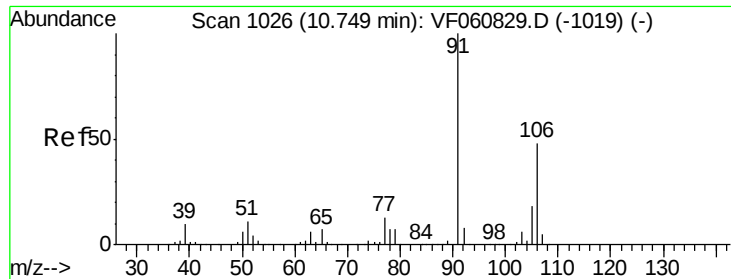
Tot Ion: 91 Resp: 251492
Ion Ratio Lower Upper
91 100
106 27.9 22.2 33.2



#68
m/p-Xylenes
Concen: 43.943 ug/l
RT: 10.11 min Scan# 961
Delta R.T. -0.05 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Tgt Ion: 106 Resp: 176697
Ion Ratio Lower Upper
106 100
91 208.2 166.7 250.1

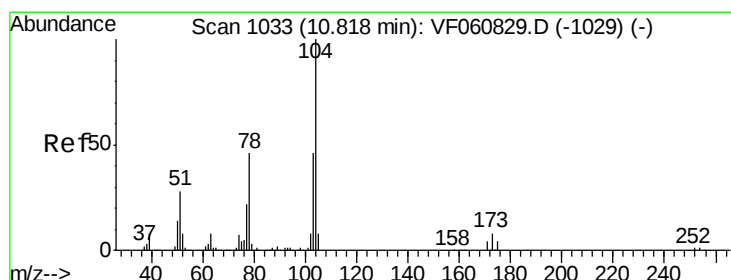
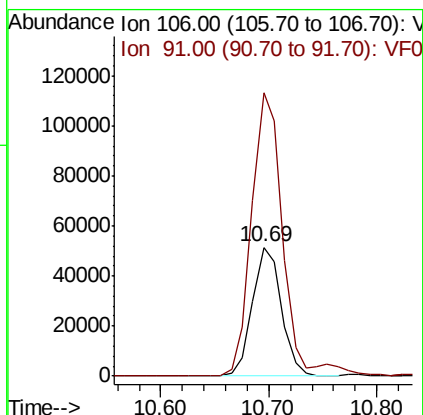
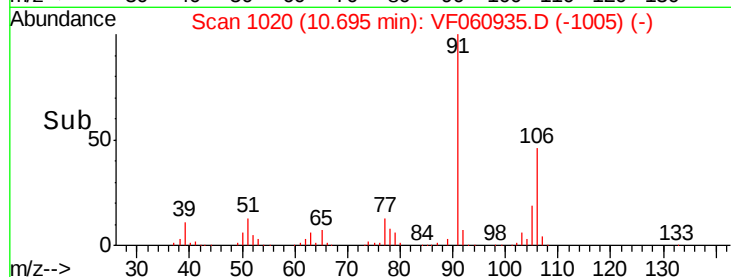
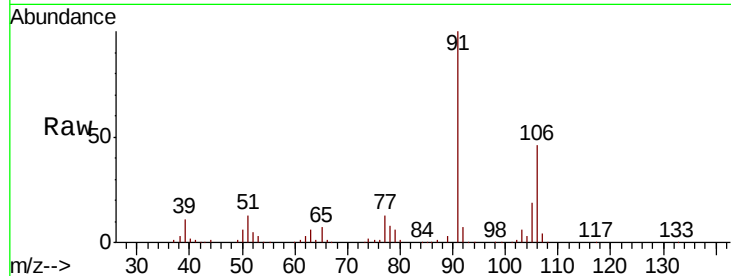




#69
o-Xylene
Concen: 21.748 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.05 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

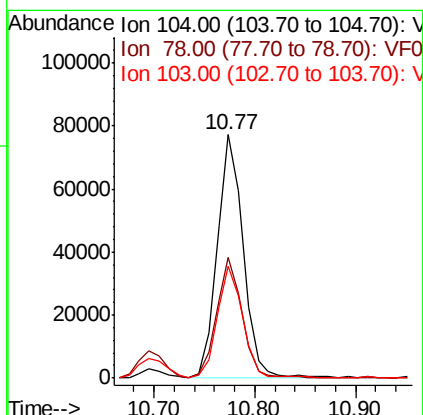
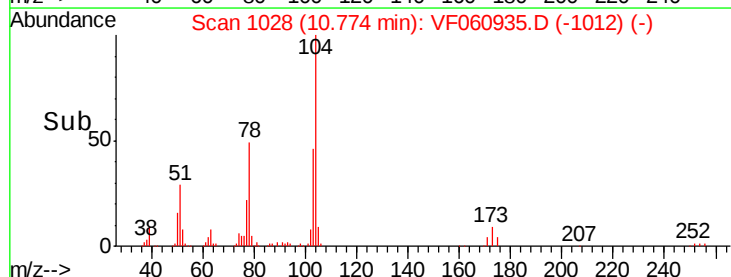
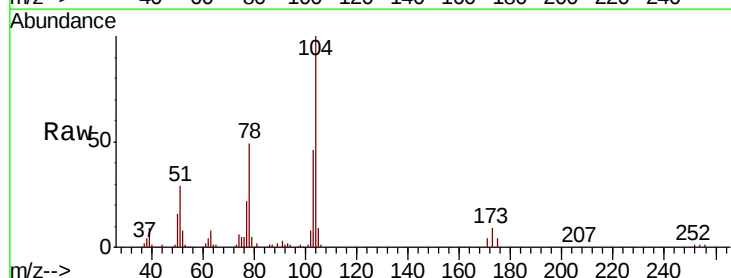
Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

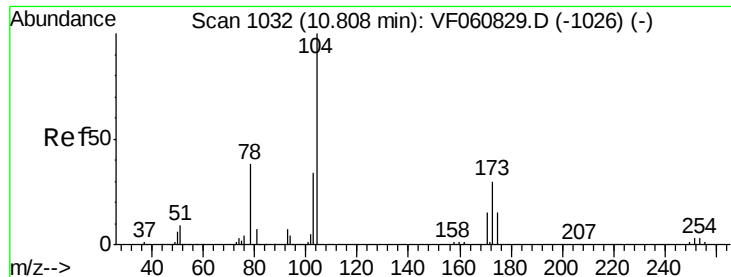
Tot Ion:106 Resp: 96433
Ion Ratio Lower Upper
106 100
91 219.3 104.8 314.6



#70
Styrene
Concen: 22.400 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.04 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Tgt Ion:104 Resp: 137684
Ion Ratio Lower Upper
104 100
78 49.5 37.3 55.9
103 45.8 36.8 55.2





#71

Bromoform

Concen: 20.549 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

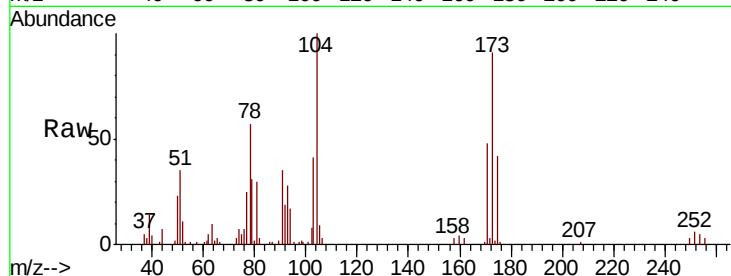
Tot Ion:173 Resp: 25625

Ion Ratio Lower Upper

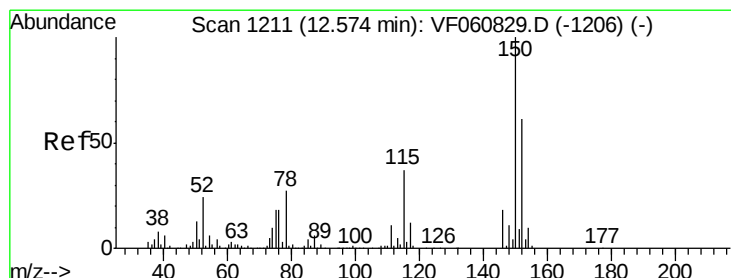
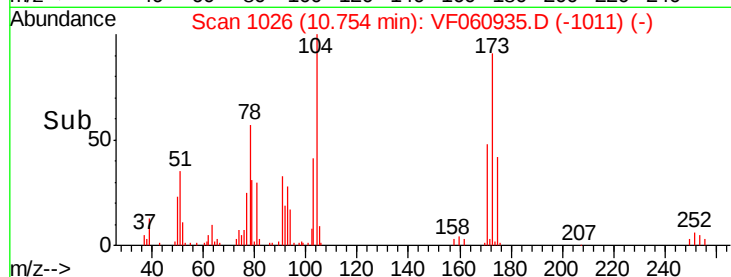
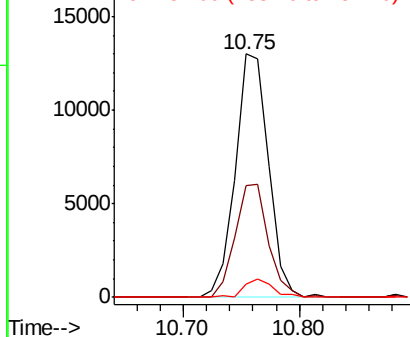
173 100

175 46.8 25.5 76.5

254 5.3 7.5 11.3#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1207

Delta R.T. -0.03 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

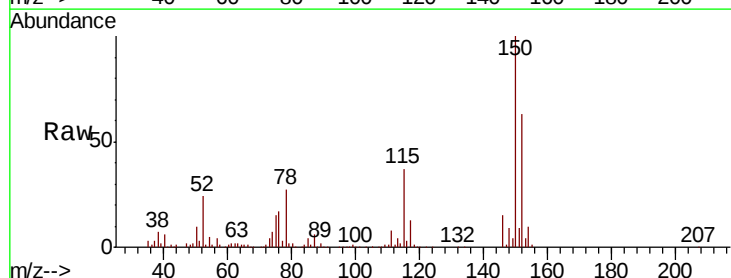
Tgt Ion:152 Resp: 154247

Ion Ratio Lower Upper

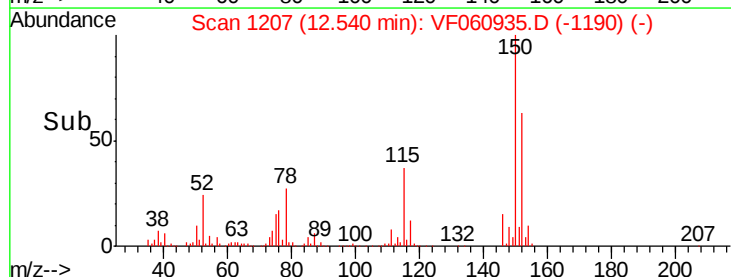
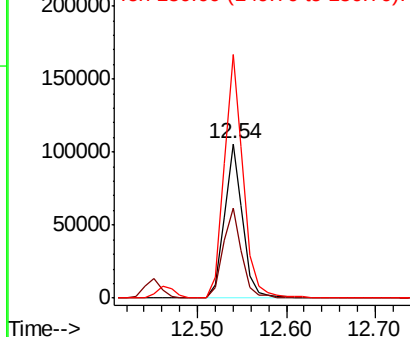
152 100

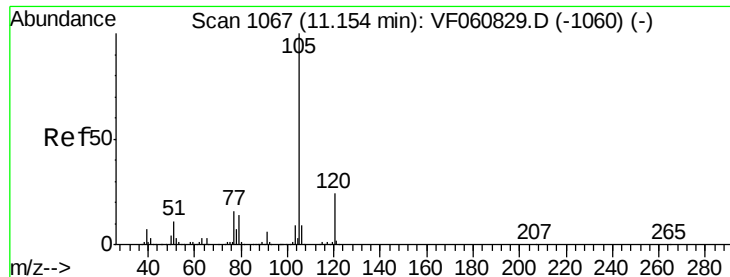
115 58.7 30.1 90.5

150 157.5 0.0 327.6



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





#73

Isopropylbenzene

Concen: 23.839 ug/l

RT: 11.11 min Scan# 1062

Delta R.T. -0.04 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

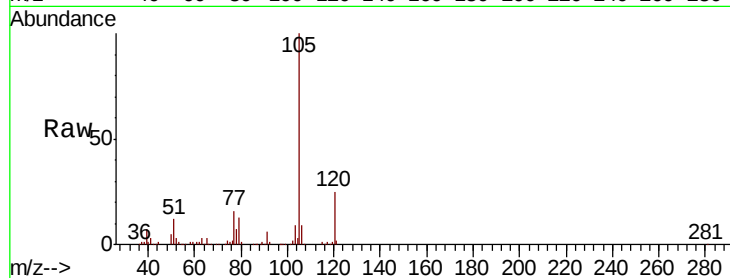
VF1207SBS01

Tot Ion:105 Resp: 290581

Ion Ratio Lower Upper

105 100

120 24.7 12.2 36.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.11

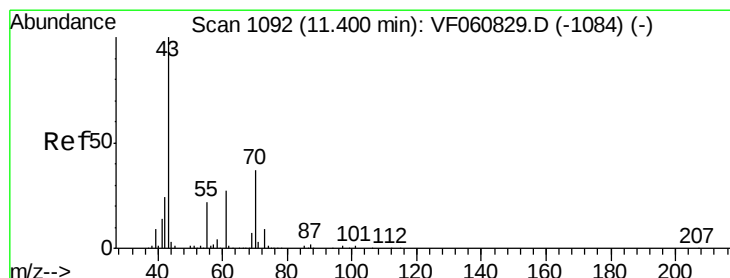
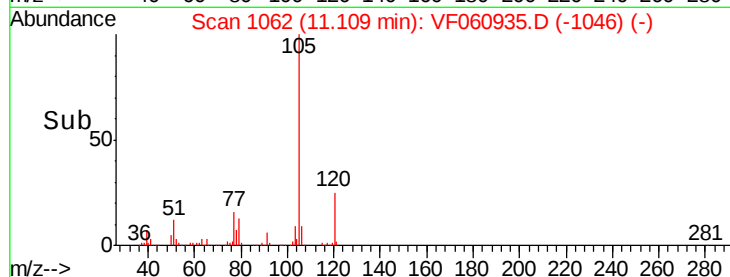
150000

100000

50000

0

Time--> 11.00 11.20



#74

N-ethyl acetate

Concen: 23.056 ug/l

RT: 11.36 min Scan# 1087

Delta R.T. -0.04 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Tgt Ion: 43 Resp: 64896

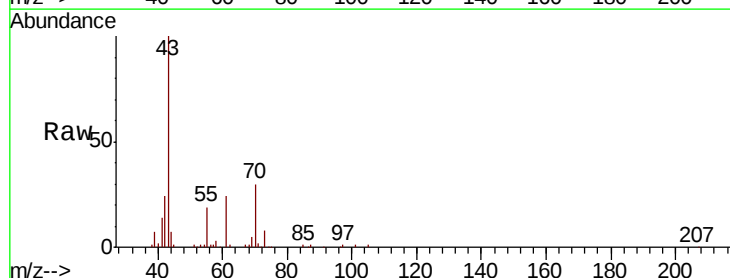
Ion Ratio Lower Upper

43 100

70 30.4 29.6 44.4

55 18.9 17.2 25.8

61 23.6 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

50000

40000

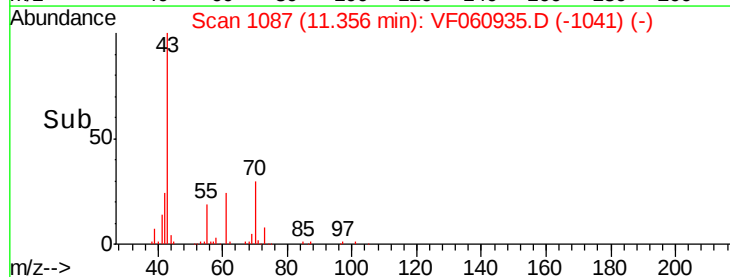
30000

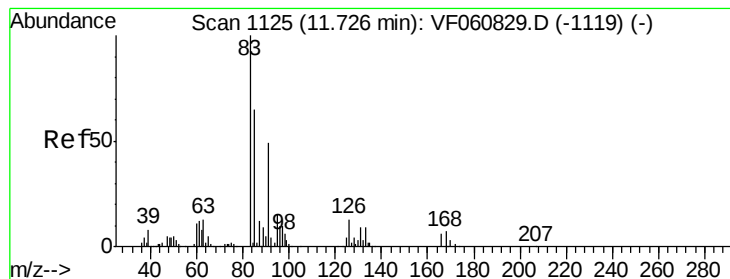
20000

10000

0

Time--> 11.20 11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 24.392 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.04 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

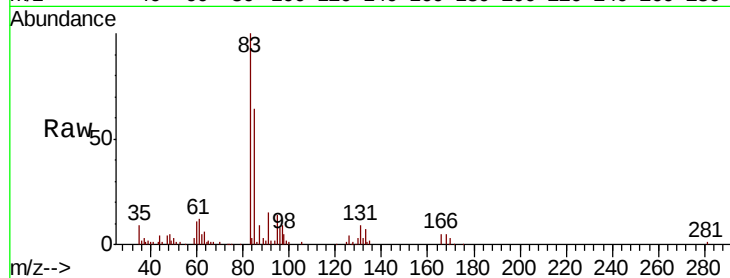
Tot Ion: 83 Resp: 48934

Ion Ratio Lower Upper

83 100

131 8.8 4.7 14.1

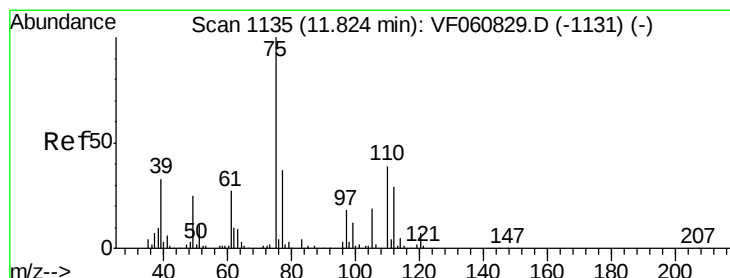
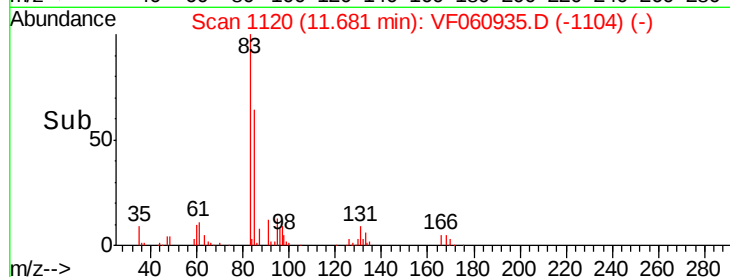
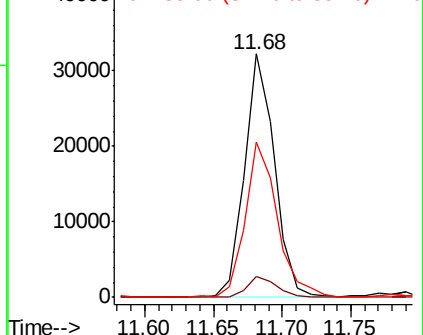
85 63.6 32.6 97.8



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 14.687 ug/l

RT: 11.86 min Scan# 1138

Delta R.T. 0.03 min

Lab File: VF060935.D

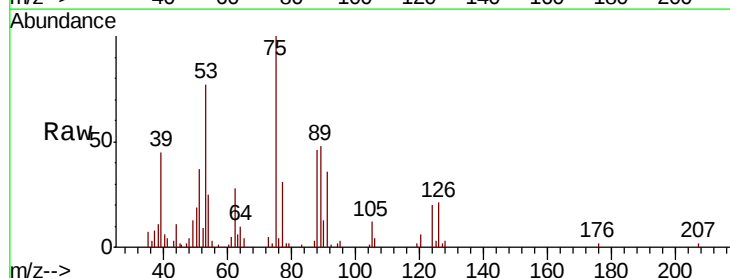
Acq: 7 Dec 2018 17:38

Tgt Ion: 75 Resp: 21416

Ion Ratio Lower Upper

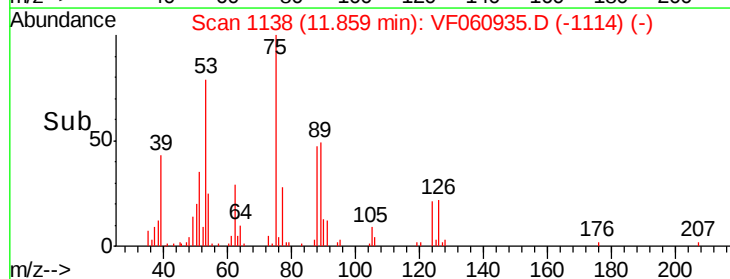
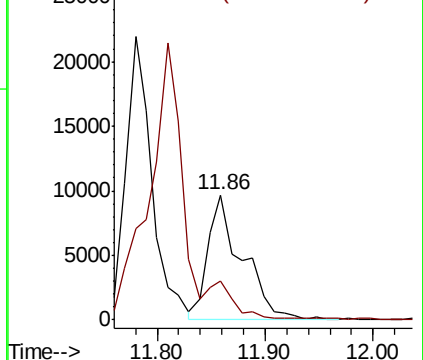
75 100

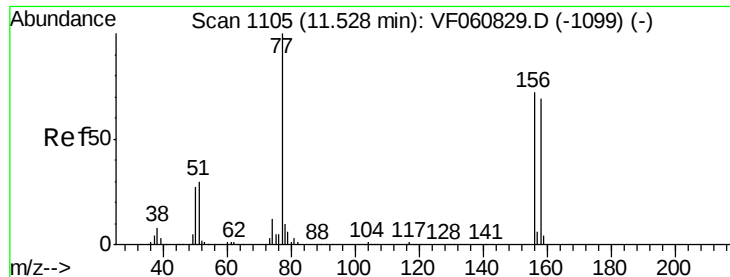
77 30.7 18.4 55.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 22.680 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.04 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

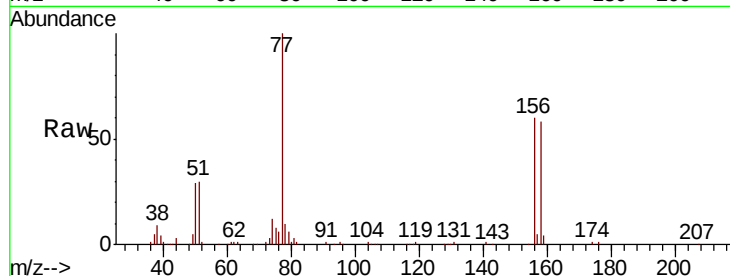
Tot Ion:156 Resp: 60609

Ion Ratio Lower Upper

156 100

77 165.8 69.7 209.0

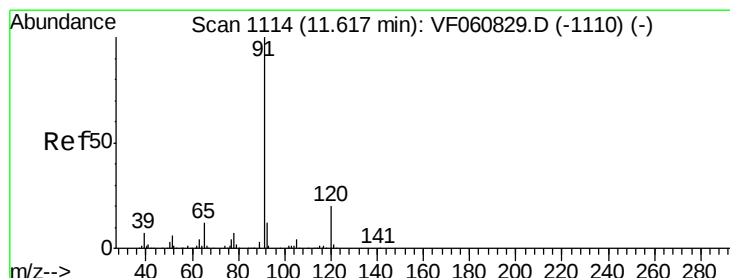
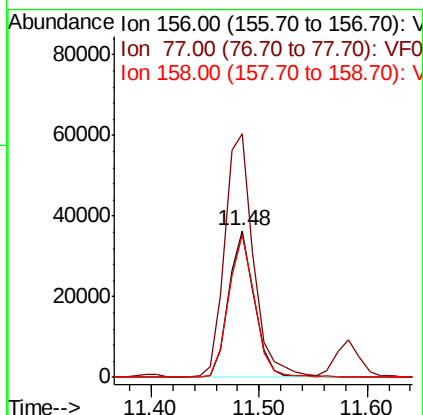
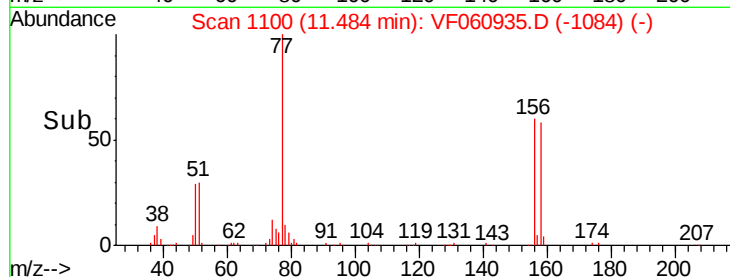
158 96.7 47.8 143.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 24.137 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. -0.03 min

Lab File: VF060935.D

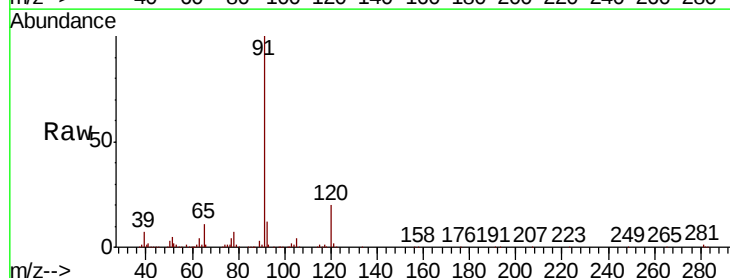
Acq: 7 Dec 2018 17:38

Tgt Ion: 91 Resp: 344543

Ion Ratio Lower Upper

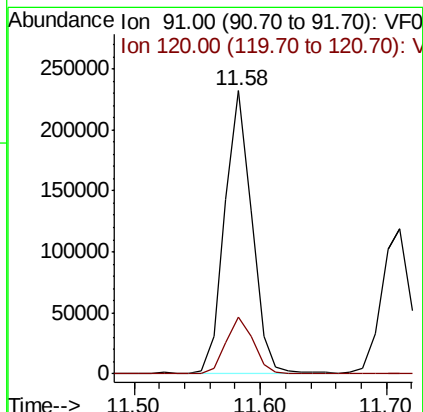
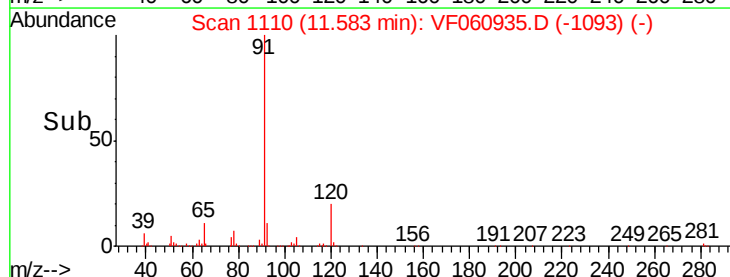
91 100

120 20.1 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.160 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.03 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

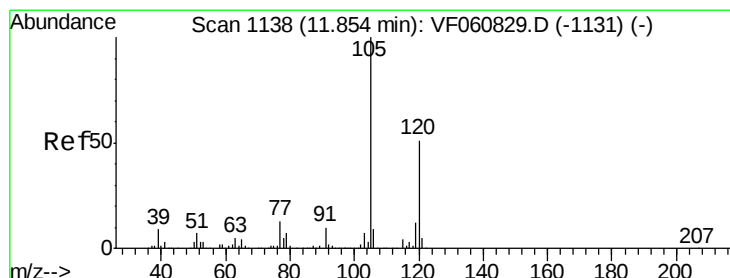
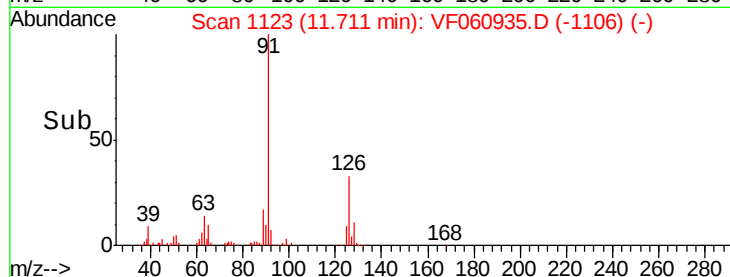
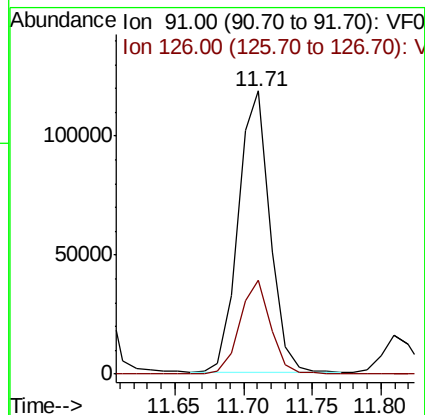
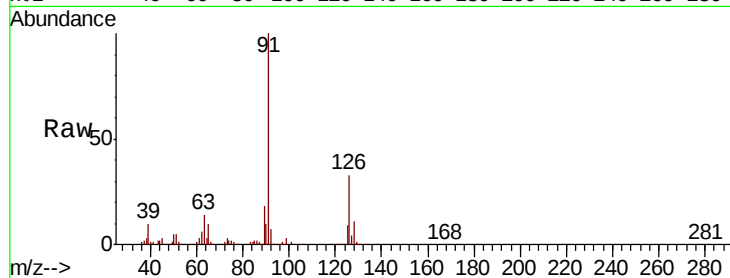
VF1207SBS01

Tot Ion: 91 Resp: 189564

Ion Ratio Lower Upper

91 100

126 33.3 15.9 47.6



#80

1,3,5-Trimethylbenzene

Concen: 23.491 ug/l

RT: 11.81 min Scan# 1133

Delta R.T. -0.04 min

Lab File: VF060935.D

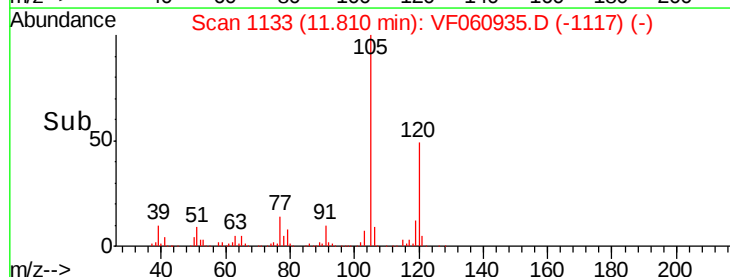
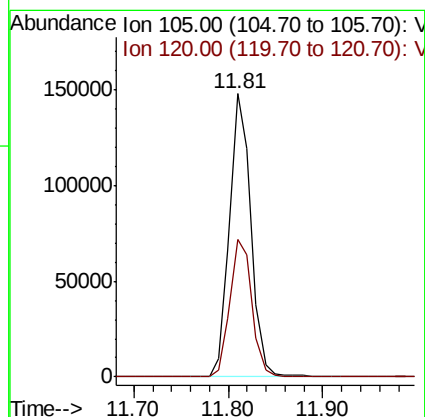
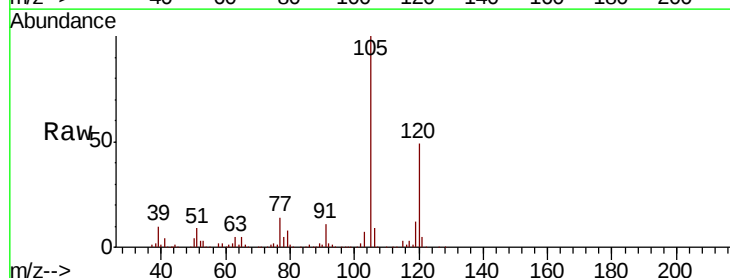
Acq: 7 Dec 2018 17:38

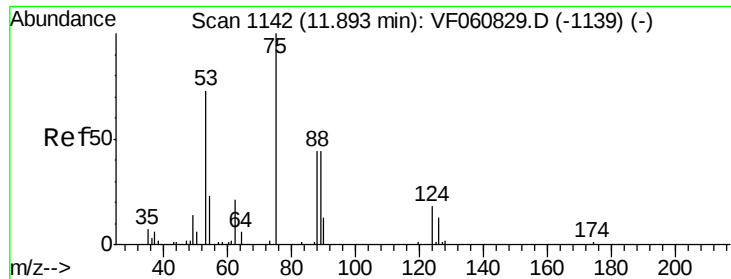
Tgt Ion:105 Resp: 232455

Ion Ratio Lower Upper

105 100

120 48.6 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 29.975 ug/l

RT: 11.86 min Scan# 1138

Delta R.T. -0.03 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

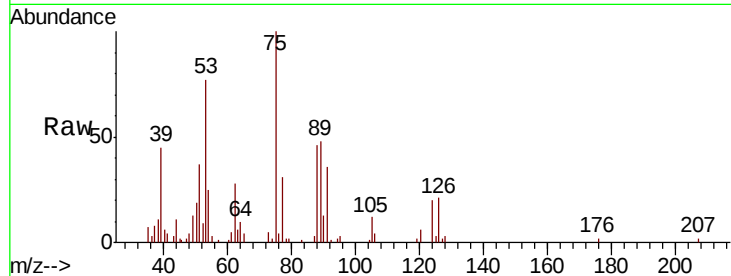
Tot Ion: 75 Resp: 21416

Ion Ratio Lower Upper

75 100

53 77.1 65.9 98.9

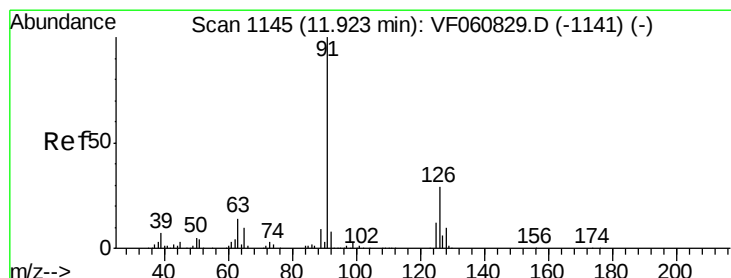
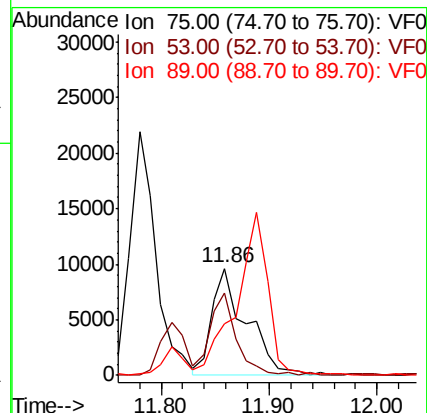
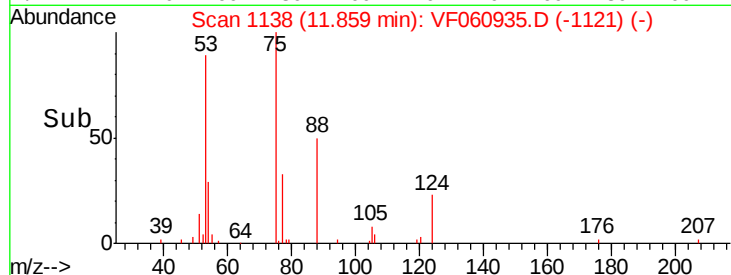
89 47.9 38.8 58.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 23.016 ug/l

RT: 11.89 min Scan# 1141

Delta R.T. -0.03 min

Lab File: VF060935.D

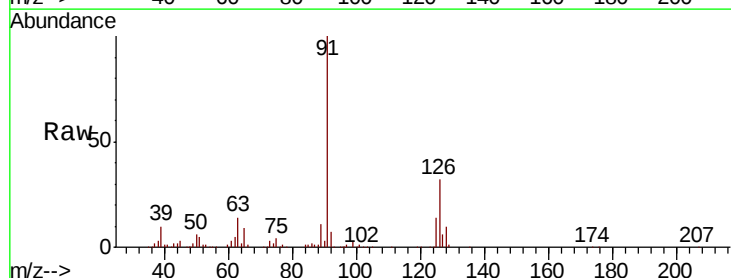
Acq: 7 Dec 2018 17:38

Tgt Ion: 91 Resp: 198249

Ion Ratio Lower Upper

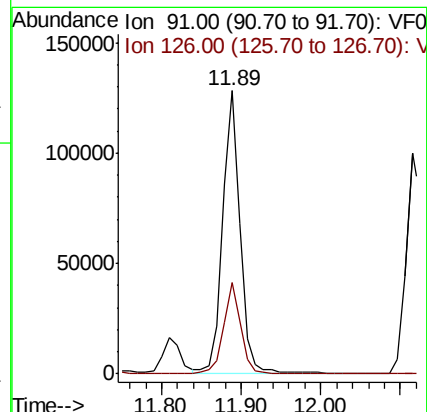
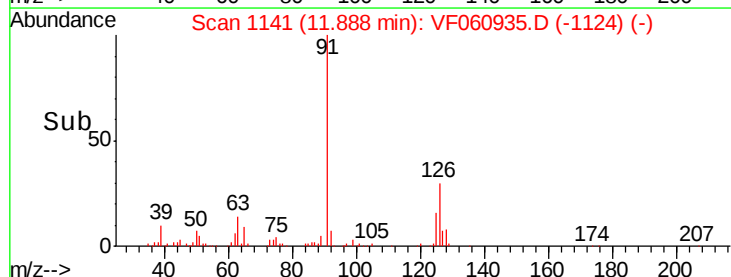
91 100

126 32.2 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

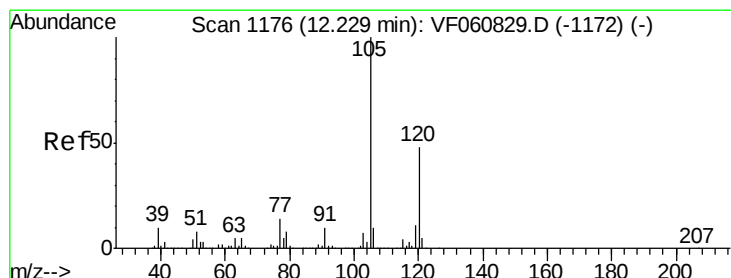
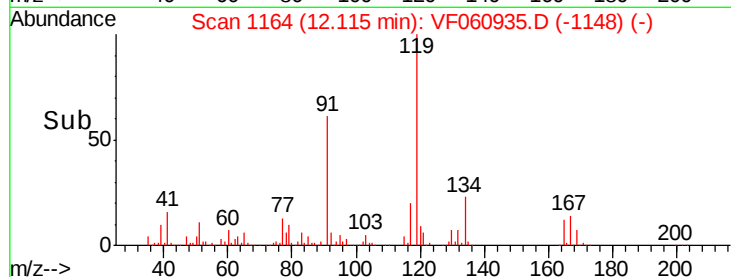
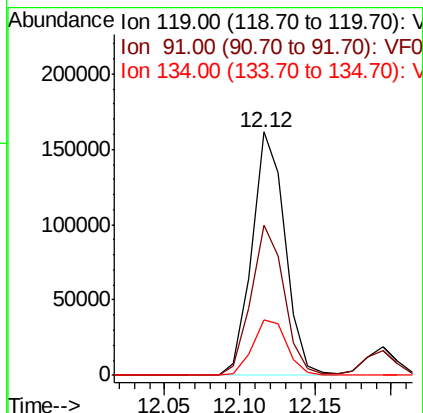
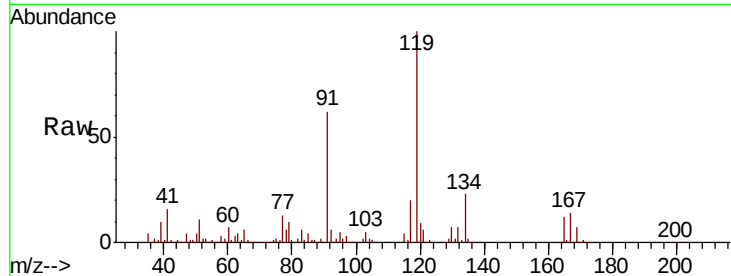




#83
tert-Butylbenzene
Concen: 24.575 ug/l
RT: 12.12 min Scan# 1164
Delta R.T. -0.04 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

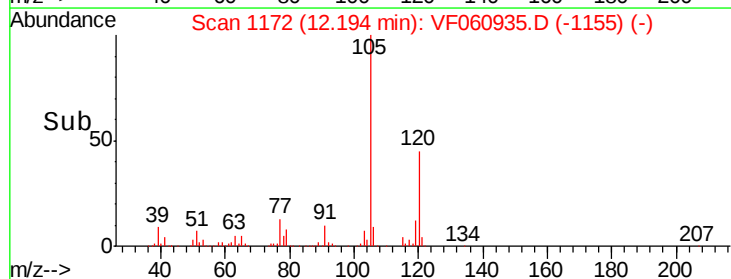
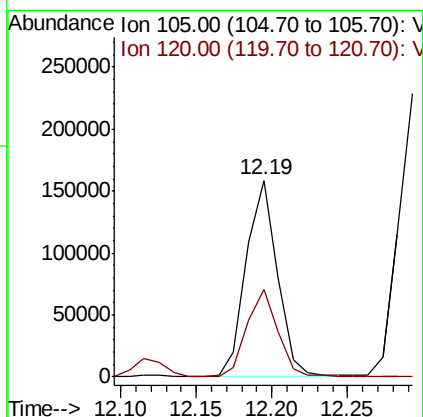
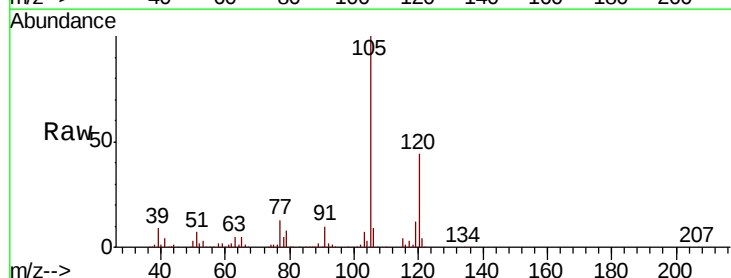
Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

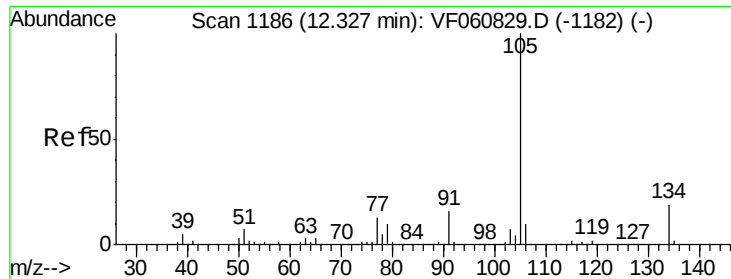
Tot Ion:119 Resp: 247713
Ion Ratio Lower Upper
119 100
91 61.9 30.1 90.3
134 22.6 12.6 37.8



#84
1,2,4-Trimethylbenzene
Concen: 23.272 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.03 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Tgt Ion:105 Resp: 229832
Ion Ratio Lower Upper
105 100
120 44.5 23.8 71.5

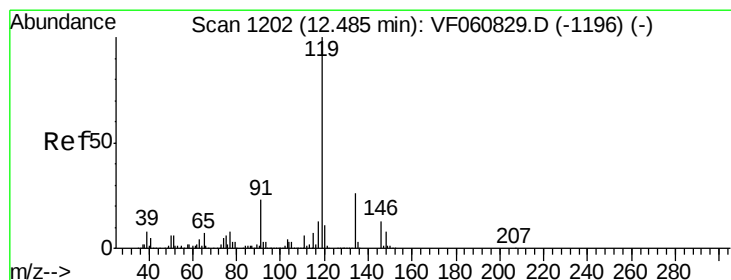
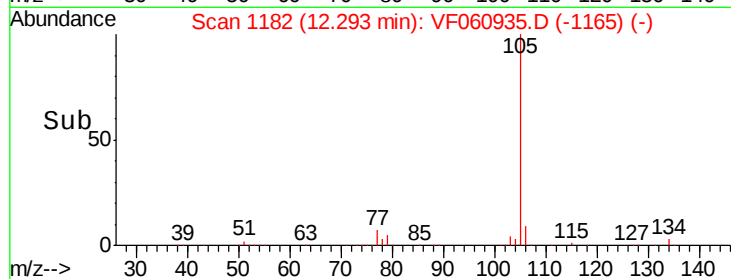
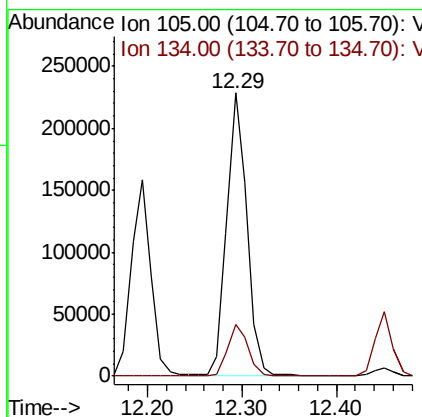
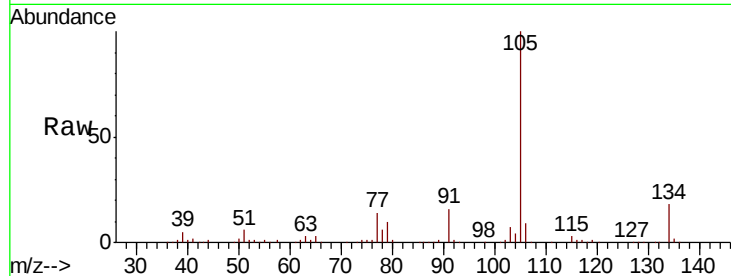




#85
 sec-Butylbenzene
 Concen: 24.503 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. -0.03 min
 Lab File: VF060935.D
 Acq: 7 Dec 2018 17:38

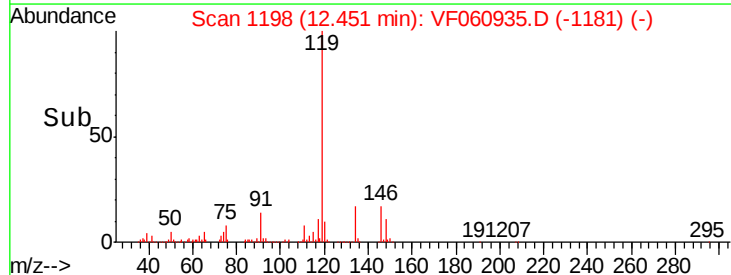
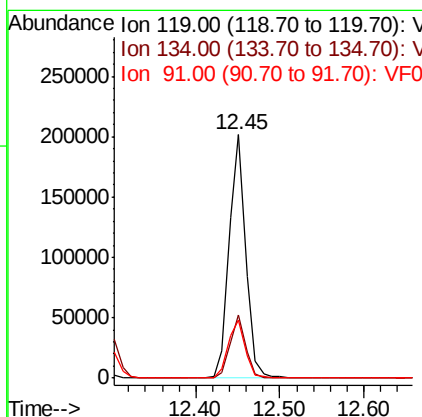
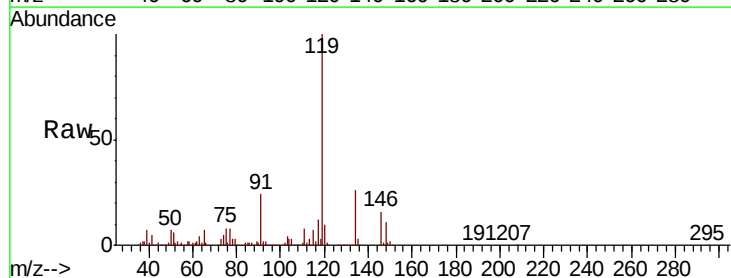
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

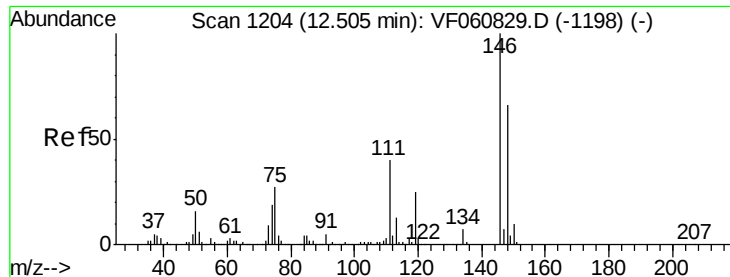
Tot Ion:105 Resp: 338115
 Ion Ratio Lower Upper
 105 100
 134 18.2 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 23.777 ug/l
 RT: 12.45 min Scan# 1198
 Delta R.T. -0.03 min
 Lab File: VF060935.D
 Acq: 7 Dec 2018 17:38

Tgt Ion:119 Resp: 275068
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.9 38.6
 91 23.6 11.8 35.3

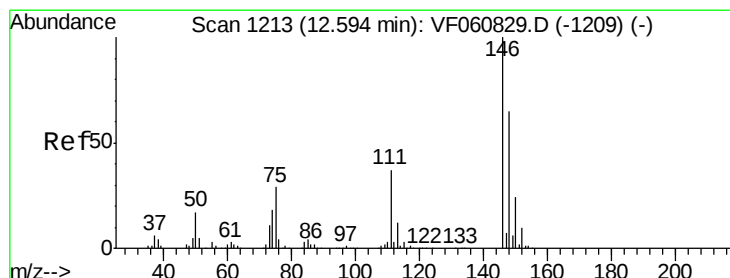
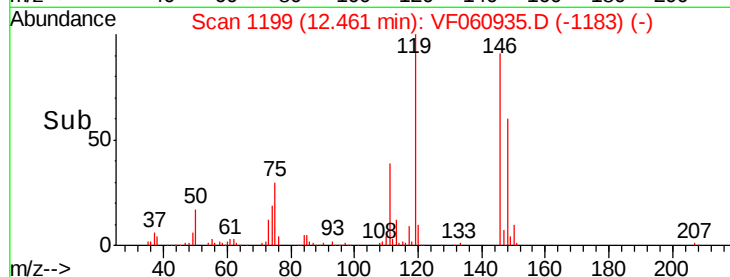
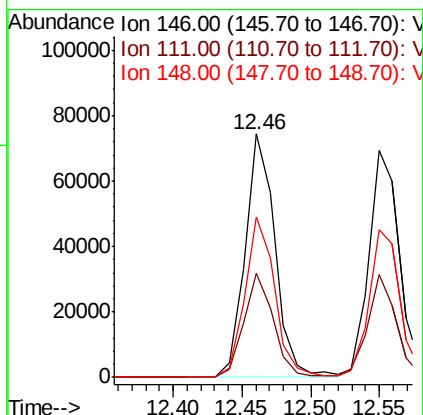
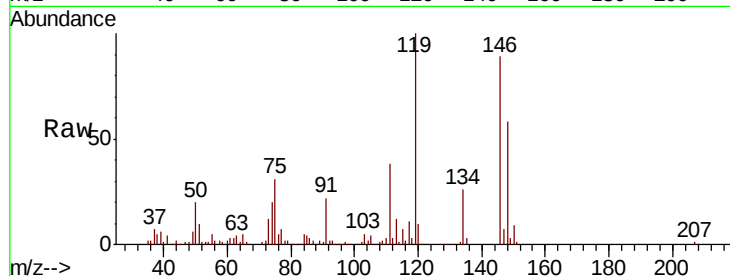




#87
 1,3-Dichlorobenzene
 Concen: 22.405 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.04 min
 Lab File: VF060935.D
 Acq: 7 Dec 2018 17:38

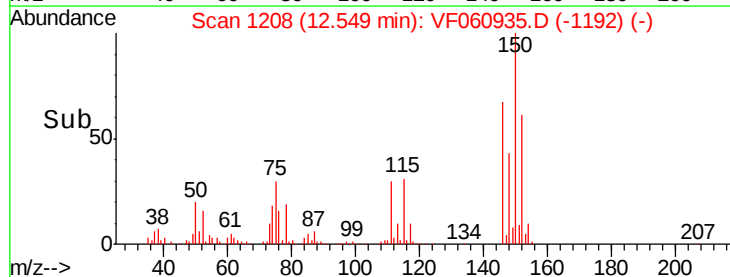
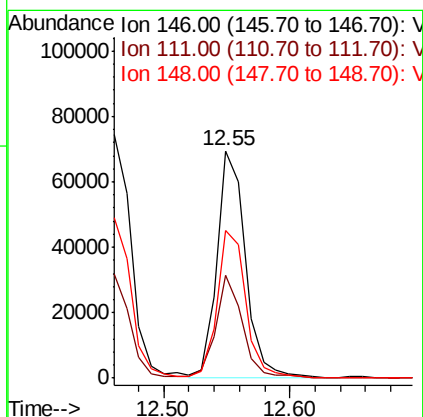
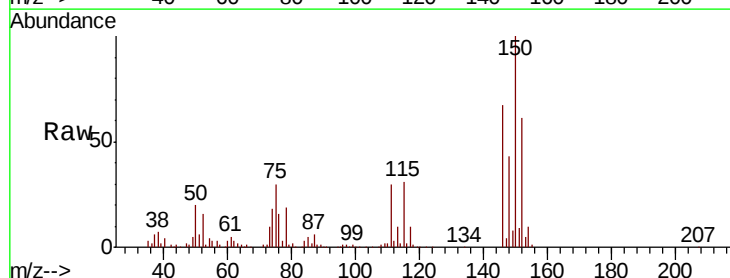
Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

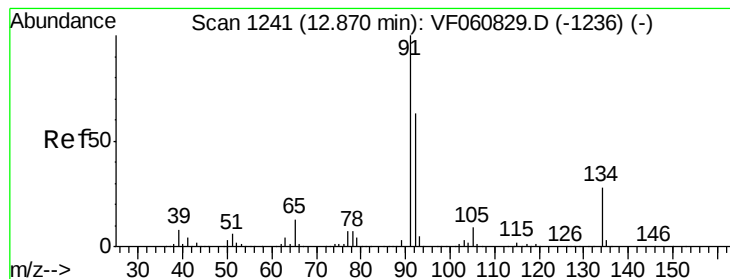
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.0	59.9
148	65.8	32.9	98.6



#88
 1,4-Dichlorobenzene
 Concen: 22.007 ug/l
 RT: 12.55 min Scan# 1208
 Delta R.T. -0.04 min
 Lab File: VF060935.D
 Acq: 7 Dec 2018 17:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.2	18.9	56.7
148	64.7	32.3	96.9





#89

n-Butylbenzene

Concen: 23.626 ug/l

RT: 12.84 min Scan# 1237

Delta R.T. -0.03 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

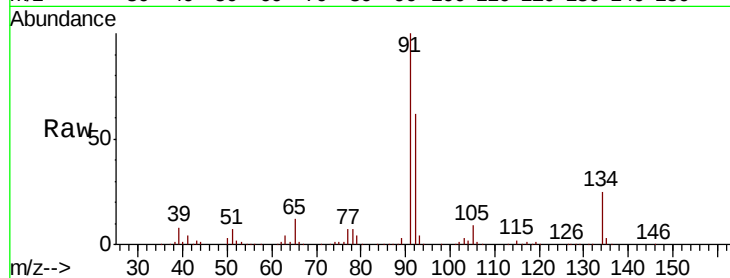
Tot Ion: 91 Resp: 276372

Ion Ratio Lower Upper

91 100

92 61.5 31.6 94.7

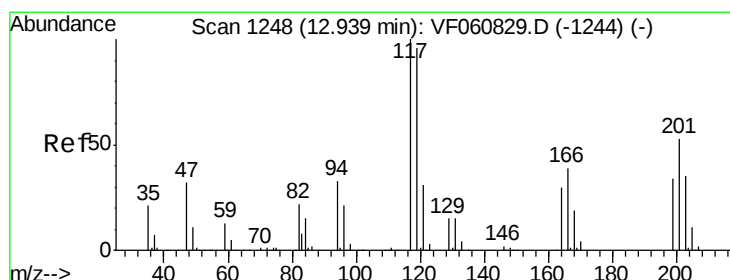
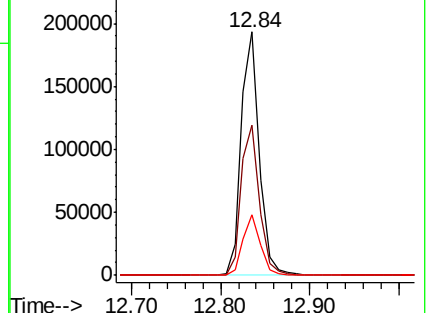
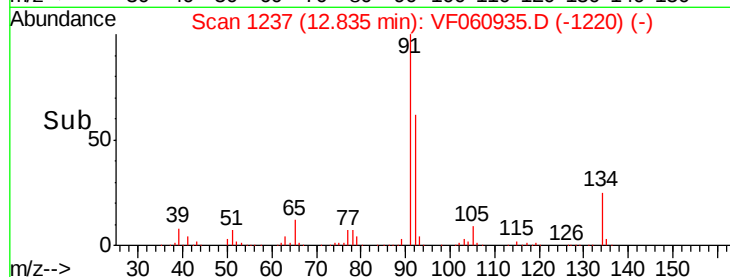
134 24.9 13.8 41.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 23.471 ug/l

RT: 12.90 min Scan# 1244

Delta R.T. -0.03 min

Lab File: VF060935.D

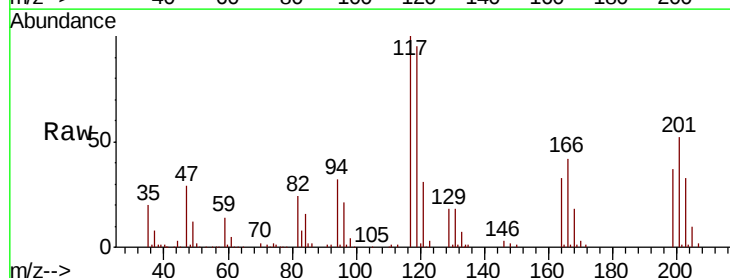
Acq: 7 Dec 2018 17:38

Tgt Ion: 117 Resp: 65386

Ion Ratio Lower Upper

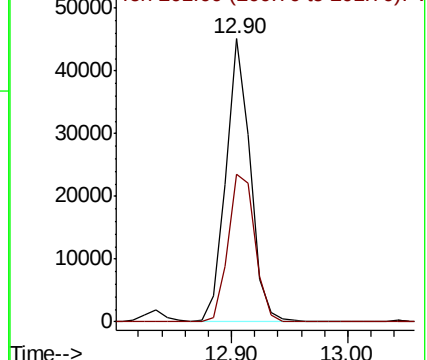
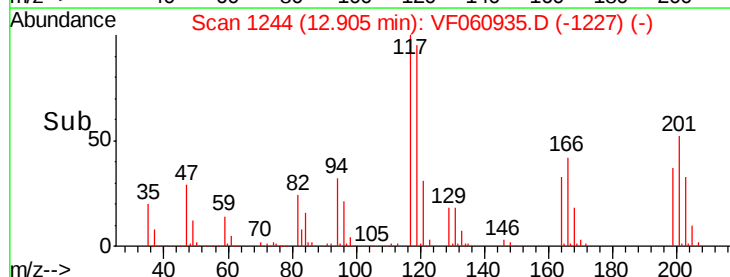
117 100

201 52.2 26.7 80.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 23.491 ug/l

RT: 12.93 min Scan# 1247

Delta R.T. -0.03 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

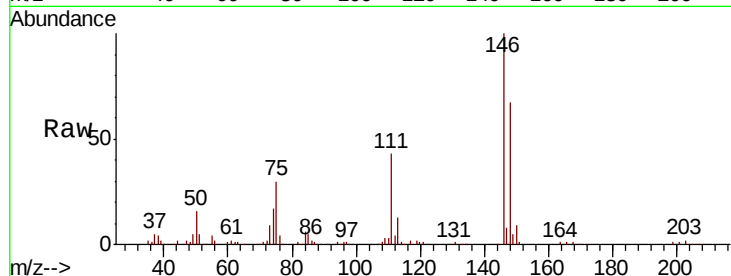
Tot Ion:146 Resp: 113083

Ion Ratio Lower Upper

146 100

111 42.6 21.2 63.6

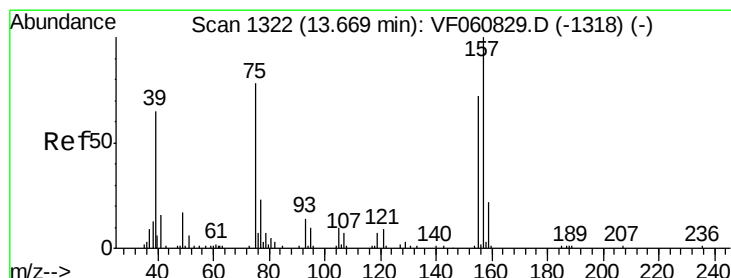
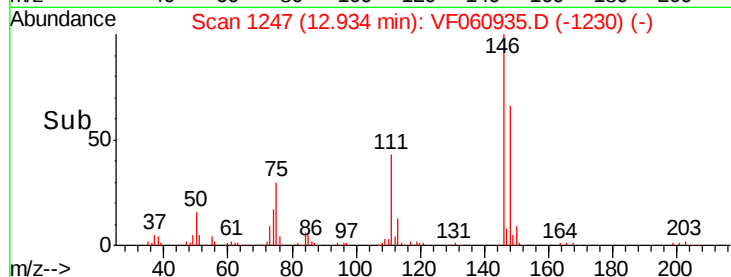
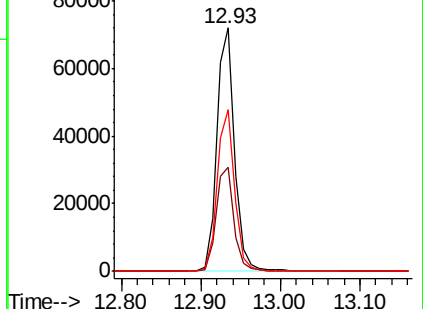
148 66.5 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 23.158 ug/l

RT: 13.63 min Scan# 1318

Delta R.T. -0.03 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

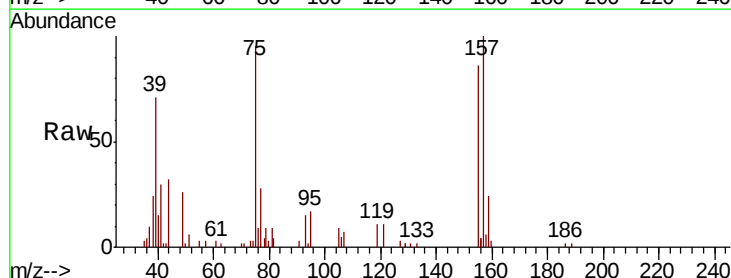
Tgt Ion: 75 Resp: 8982

Ion Ratio Lower Upper

75 100

155 91.4 45.6 136.9

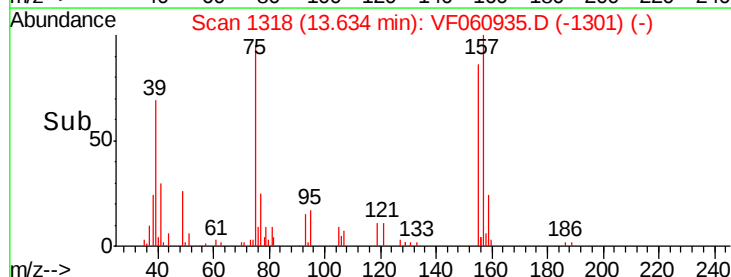
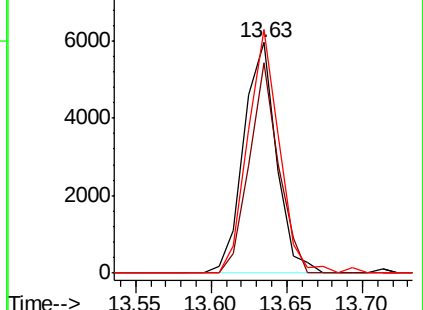
157 105.6 63.8 191.5

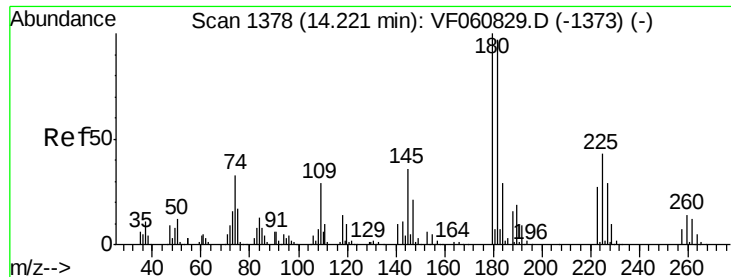


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

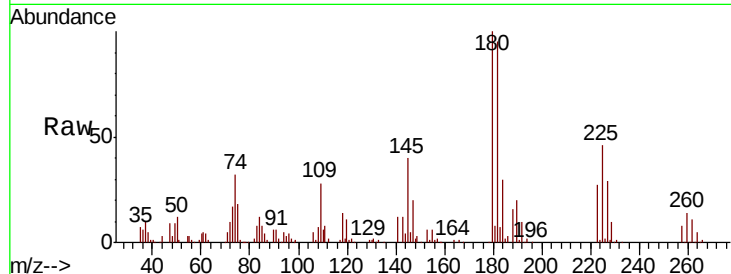




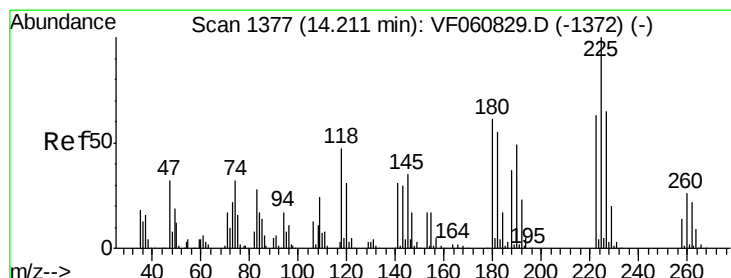
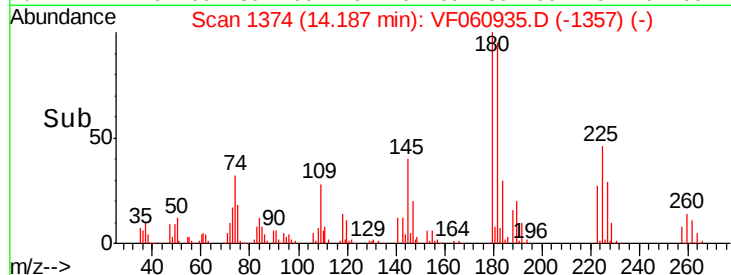
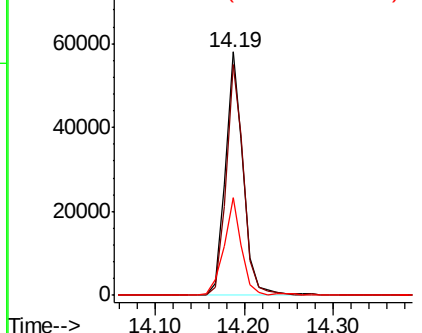
#93
 1,2,4-Trichlorobenzene
 Concen: 24.501 ug/l
 RT: 14.19 min Scan# 1374
 Delta R.T. -0.03 min
 Lab File: VF060935.D
 Acq: 7 Dec 2018 17:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

Tot Ion:180 Resp: 82411
 Ion Ratio Lower Upper
 180 100
 182 94.9 48.5 145.5
 145 40.0 18.1 54.3

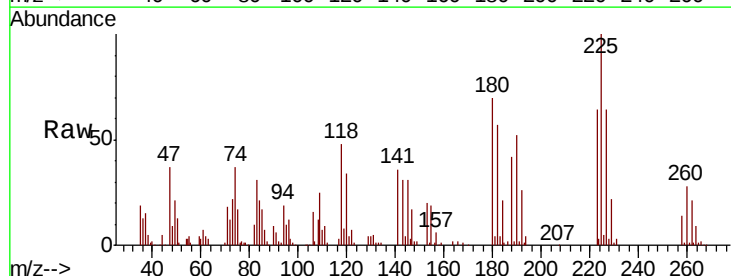


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

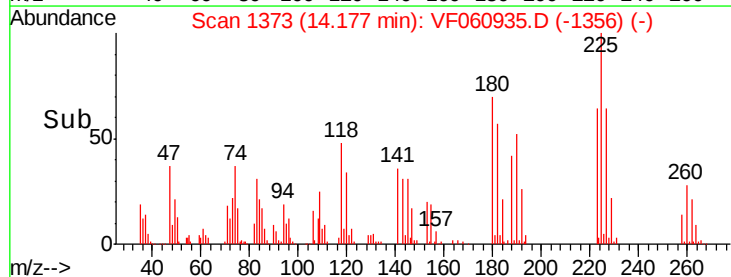
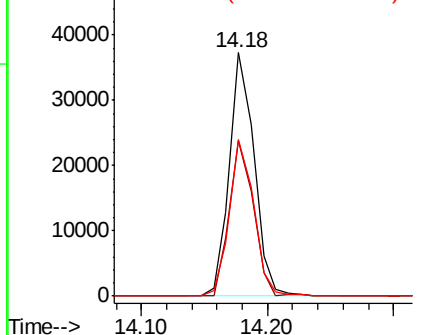


#94
 Hexachlorobutadiene
 Concen: 22.687 ug/l
 RT: 14.18 min Scan# 1373
 Delta R.T. -0.03 min
 Lab File: VF060935.D
 Acq: 7 Dec 2018 17:38

Tgt Ion:225 Resp: 50869
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.4 94.3
 227 64.2 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: 18.178 ug/l

RT: 14.44 min Scan# 1400

Delta R.T. -0.03 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

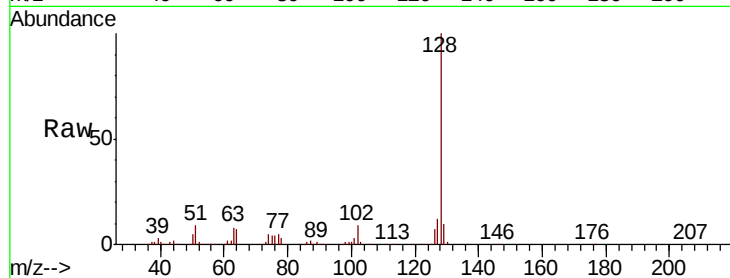
Tot Ion:128 Resp: 133212

Ion Ratio Lower Upper

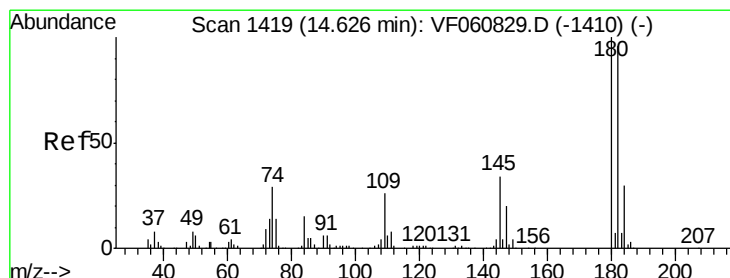
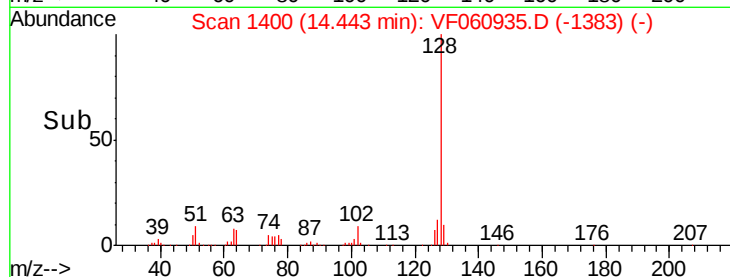
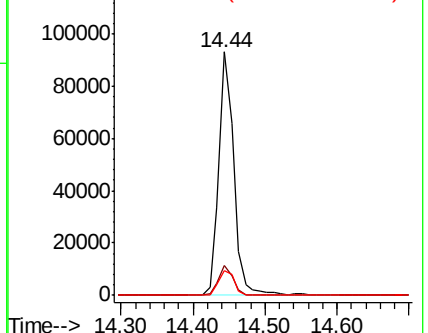
128 100

127 12.0 9.9 14.9

129 10.3 9.1 13.7



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



#96

1,2,3-Trichlorobenzene

Concen: 22.752 ug/l

RT: 14.59 min Scan# 1415

Delta R.T. -0.03 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

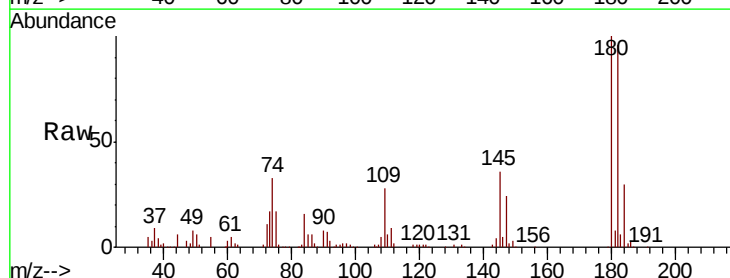
Tgt Ion:180 Resp: 71058

Ion Ratio Lower Upper

180 100

182 95.8 47.9 143.8

145 35.5 17.2 51.5



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

