

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF091918\
 Data File : VF060286.D
 Acq On : 19 Sep 2018 18:35
 Operator : VA/AP
 Sample : VF0919SBS01
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

Quant Time: Sep 20 04:13:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	267676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	445180	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	396790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	208287	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	174165	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
35) Dibromofluoromethane	4.28	113	201648	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	7.70	98	500284	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
62) 4-Bromofluorobenzene	11.50	95	213490	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	105012	22.817	ug/l	86
3) Chloromethane	1.12	50	76572	20.992	ug/l	99
4) Vinyl Chloride	1.17	62	77805	20.929	ug/l	96
5) Bromomethane	1.35	94	49631	19.374	ug/l	100
6) Chloroethane	1.43	64	35964	20.313	ug/l	98
7) Trichlorofluoromethane	1.54	101	146901	21.211	ug/l	100
8) Diethyl Ether	1.69	74	23520	20.412	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.90	101	77593	21.066	ug/l	87
10) Methyl Iodide	1.96	142	128691	21.667	ug/l #	96
11) Tert butyl alcohol	2.68	59	24535	112.797	ug/l	100
12) 1,1-Dichloroethene	1.85	96	68093	22.354	ug/l	97
13) Acrolein	2.09	56	14240	208.025	ug/l	96
14) Allyl chloride	2.19	41	108053	20.327	ug/l	96
15) Acrylonitrile	3.06	53	49885	97.995	ug/l	95
16) Acetone	2.34	43	97666	96.217	ug/l	100
17) Carbon Disulfide	1.89	76	208251	23.568	ug/l	98
18) Methyl Acetate	2.44	43	31611	18.694	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	159776	21.040	ug/l	95
20) Methylene Chloride	2.28	84	32141	5.040	ug/l	95
21) trans-1,2-Dichloroethene	2.40	96	65456	20.805	ug/l	94
22) Diisopropyl ether	2.92	45	196122	19.555	ug/l	94
23) Vinyl Acetate	3.32	43	453055	115.018	ug/l	99
24) 1,1-Dichloroethane	2.99	63	131201	20.171	ug/l	100
25) 2-Butanone	4.49	43	122392	89.581	ug/l	97
26) 2,2-Dichloropropane	3.75	77	78454	21.140	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	88604	21.437	ug/l	86
28) Bromochloromethane	3.87	49	53313	21.053	ug/l	95
29) Tetrahydrofuran	4.25	42	52817	105.564	ug/l	98
30) Chloroform	4.02	83	172272	21.951	ug/l	95
31) Cyclohexane	3.84	56	121594	22.132	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	125430	20.255	ug/l	98
36) 1,1-Dichloropropene	4.44	75	113579	20.454	ug/l	98
37) Ethyl Acetate	4.28	43	45038	19.168	ug/l	99
38) Carbon Tetrachloride	4.17	117	149000	24.981	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	122877	20.417	ug/l	97
40) Benzene	4.80	78	253303	20.117	ug/l	96
41) Methacrylonitrile	4.91	41	24643	19.328	ug/l	92
42) 1,2-Dichloroethane	5.11	62	90445	19.515	ug/l	96
43) Isopropyl Acetate	7.11	43	53458	18.899	ug/l #	98
44) Trichloroethene	5.67	130	77396	20.654	ug/l	95
45) 1,2-Dichloropropane	6.39	63	66877	20.523	ug/l	97
46) Dibromomethane	6.24	93	45974	19.737	ug/l	99
47) Bromodichloromethane	6.53	83	112489	20.095	ug/l	99
48) Methyl methacrylate	6.86	41	36632	18.449	ug/l #	89
49) 1,4-Dioxane	6.86	88	6829	384.962	ug/l #	79
51) 4-Methyl-2-Pentanone	8.40	43	197341	90.518	ug/l	95
52) Toluene	7.77	92	160534	20.153	ug/l	94
53) t-1,3-Dichloropropene	8.42	75	88551	19.611	ug/l	98
54) cis-1,3-Dichloropropene	7.44	75	112892	19.847	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	48732	20.157	ug/l	93
56) Ethyl methacrylate	8.75	69	55272	18.930	ug/l	92
57) 1,3-Dichloropropane	8.99	76	83020	20.739	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	25519	98.863	ug/l	100
59) 2-Hexanone	9.62	43	133387	85.930	ug/l	99
60) Dibromochloromethane	8.85	129	68865	19.111	ug/l	96
61) 1,2-Dibromoethane	9.13	107	53258	19.782	ug/l	100
64) Tetrachloroethene	8.30	164	68958	19.171	ug/l	96
65) Chlorobenzene	9.94	112	177065	19.689	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	72403	19.400	ug/l	97
67) Ethyl Benzene	10.03	91	331445	19.933	ug/l	99
68) m/p-Xylenes	10.26	106	234617	40.841	ug/l	99
69) o-Xylene	10.82	106	135657	21.054	ug/l	97
70) Styrene	10.89	104	182896	20.127	ug/l	97
71) Bromoform	10.88	173	42494	20.732	ug/l #	97
73) Isopropylbenzene	11.23	105	362086	19.364	ug/l	96
74) N-amyl acetate	11.45	43	70533	17.689	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	67222	20.286	ug/l	89
76) 1,2,3-Trichloropropane	11.88	75	44905	18.926	ug/l	87
77) Bromobenzene	11.59	156	78895	19.578	ug/l	99
78) n-propylbenzene	11.68	91	447777	19.149	ug/l	100
79) 2-Chlorotoluene	11.81	91	252263	20.000	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	316192	21.007	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	31995	25.516	ug/l	97
82) 4-Chlorotoluene	11.99	91	253485	19.995	ug/l	99
83) tert-Butylbenzene	12.21	119	304916	19.984	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	310853	20.339	ug/l	99
85) sec-Butylbenzene	12.38	105	433103	19.235	ug/l	95
86) p-Isopropyltoluene	12.54	119	347835	19.702	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	150961	20.047	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	147126	19.767	ug/l	97
89) n-Butylbenzene	12.91	91	361425	19.065	ug/l	97
90) Hexachloroethane	12.99	117	87162	20.415	ug/l	95
91) 1,2-Dichlorobenzene	13.01	146	143648	19.997	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	12131	19.498	ug/l	94

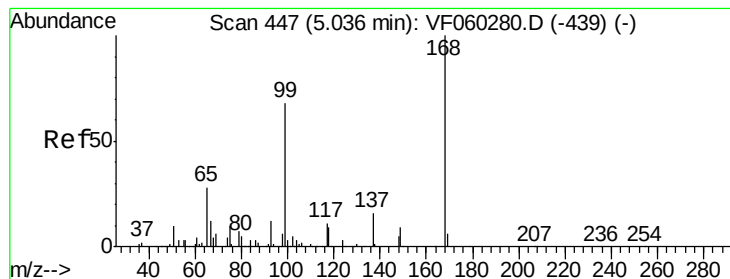
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	104998	20.110	ug/l	94
94) Hexachlorobutadiene	14.25	225	72139	20.439	ug/l	96
95) Naphthalene	14.52	128	167384	18.285	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	100742	20.882	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

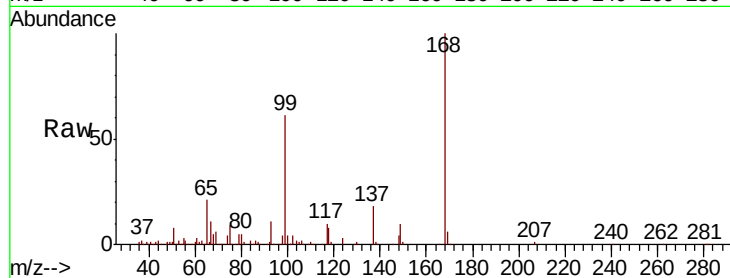
VF0919SBS01

Tgt Ion:168 Resp: 267676

Ion Ratio Lower Upper

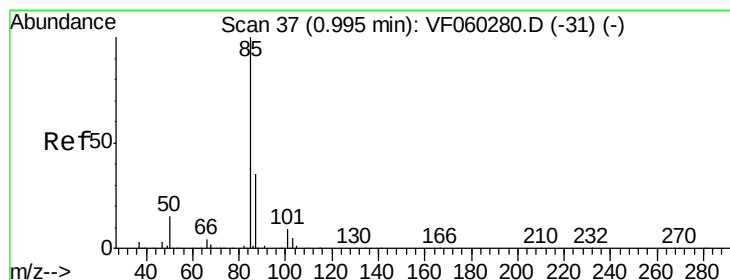
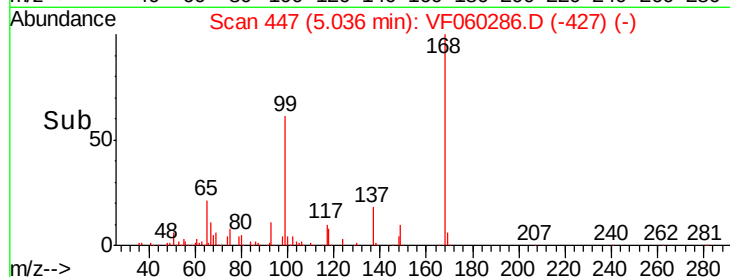
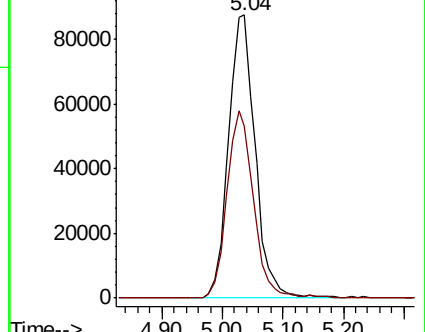
168 100

99 60.9 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 22.817 ug/l

RT: 0.99 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060286.D

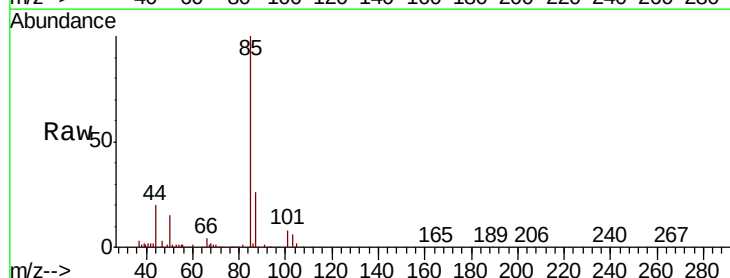
Acq: 19 Sep 2018 18:35

Tgt Ion: 85 Resp: 105012

Ion Ratio Lower Upper

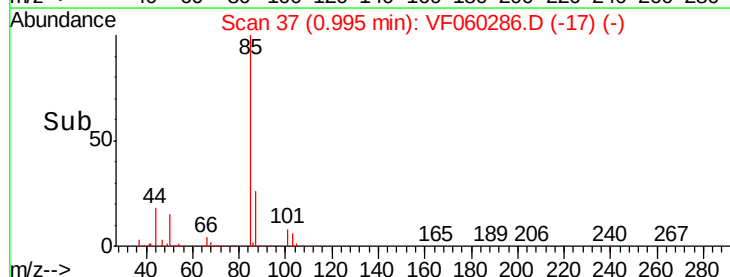
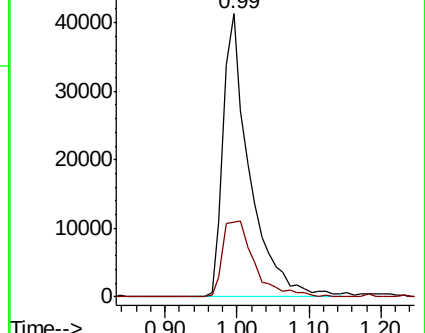
85 100

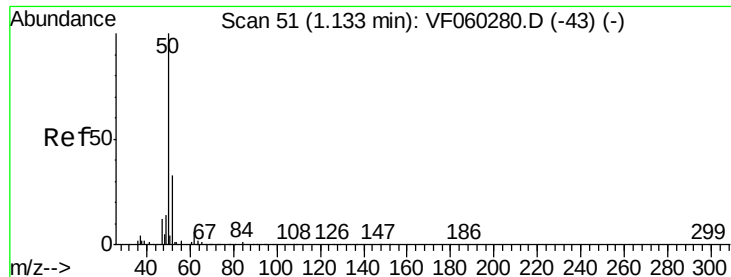
87 26.4 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 20.992 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

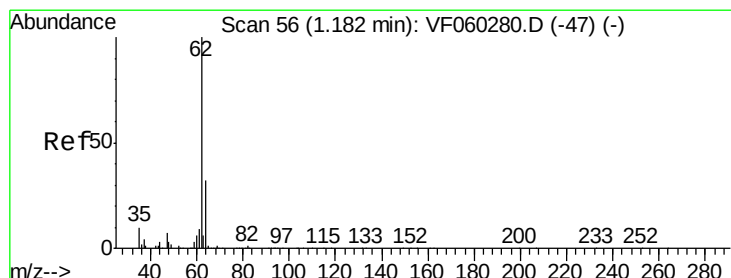
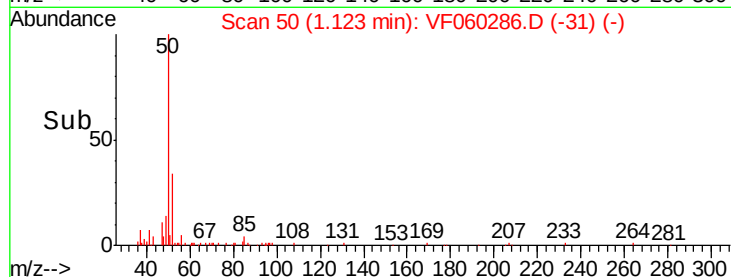
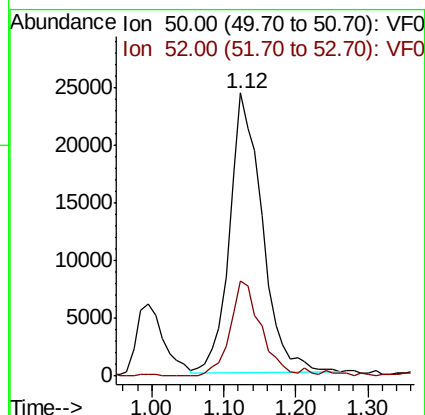
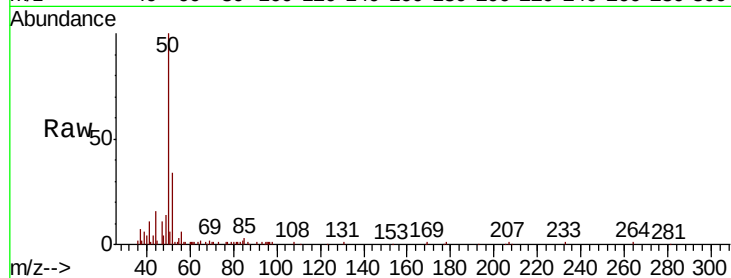
VF0919SBS01

Tgt Ion: 50 Resp: 76572

Ion Ratio Lower Upper

50 100

52 33.7 26.5 39.7



#4

Vinyl Chloride

Concen: 20.929 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060286.D

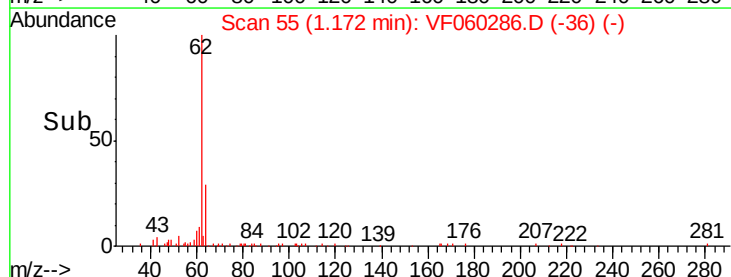
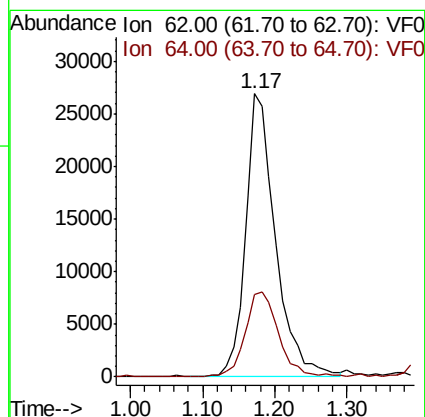
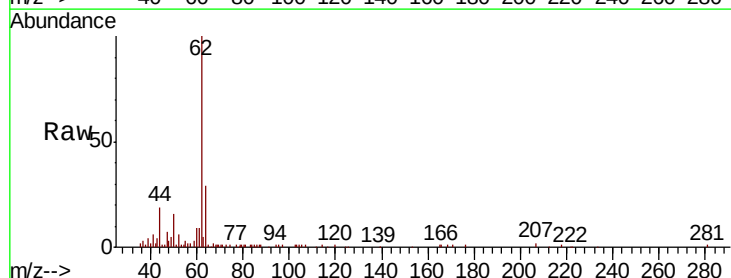
Acq: 19 Sep 2018 18:35

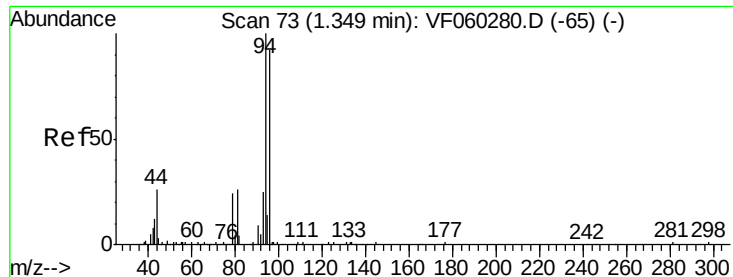
Tgt Ion: 62 Resp: 77805

Ion Ratio Lower Upper

62 100

64 29.3 25.2 37.8





#5

Bromomethane

Concen: 19.374 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

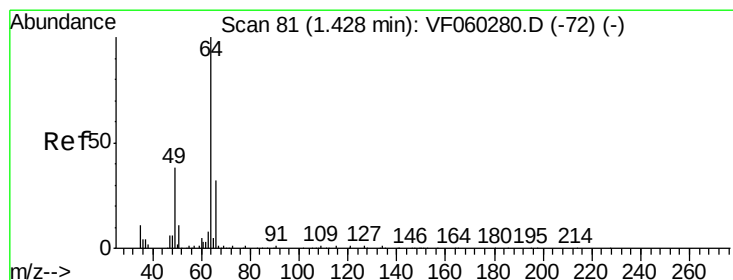
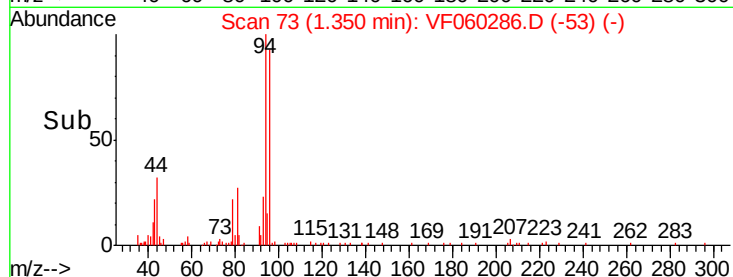
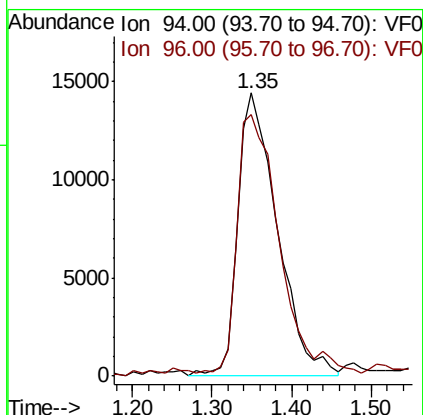
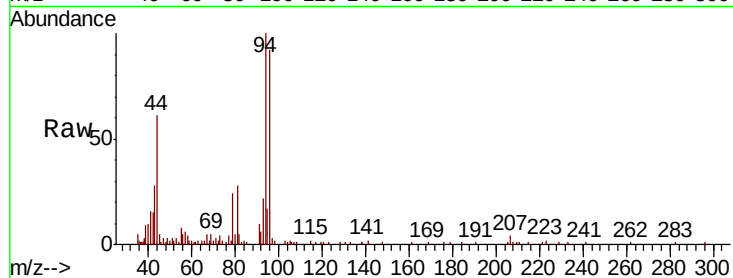
VF0919SBS01

Tgt Ion: 94 Resp: 49631

Ion Ratio Lower Upper

94 100

96 92.4 73.9 110.9



#6

Chloroethane

Concen: 20.313 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060286.D

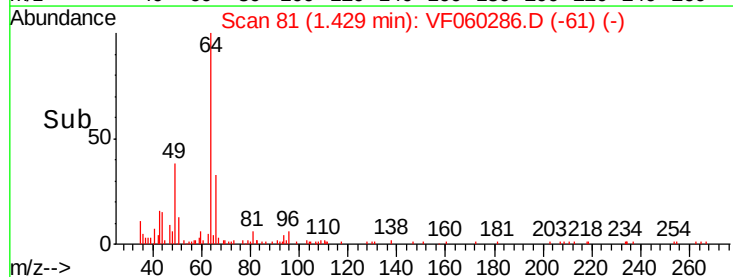
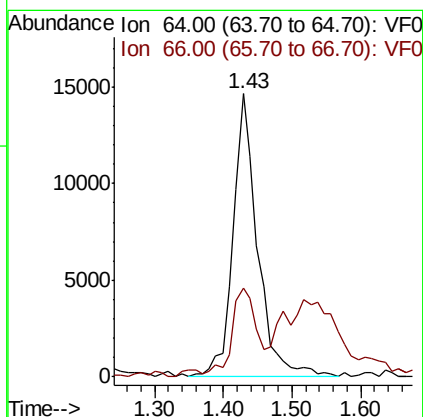
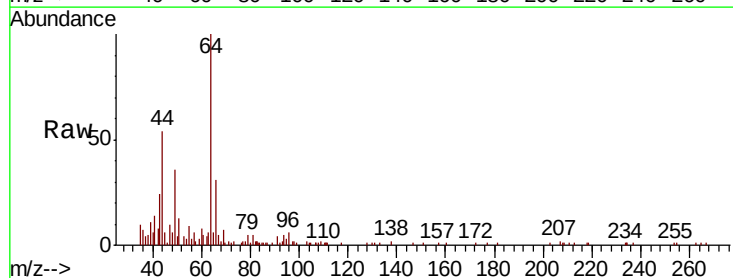
Acq: 19 Sep 2018 18:35

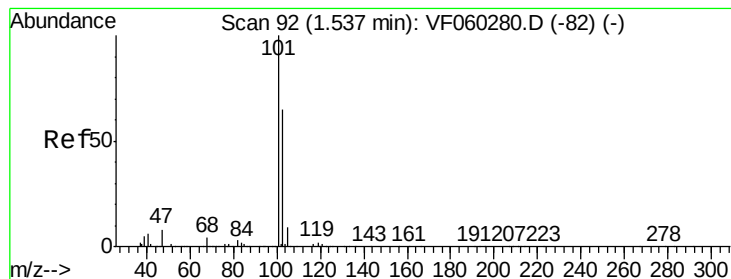
Tgt Ion: 64 Resp: 35964

Ion Ratio Lower Upper

64 100

66 31.4 26.2 39.2





#7

Trichlorofluoromethane

Concen: 21.211 ug/l

RT: 1.54 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

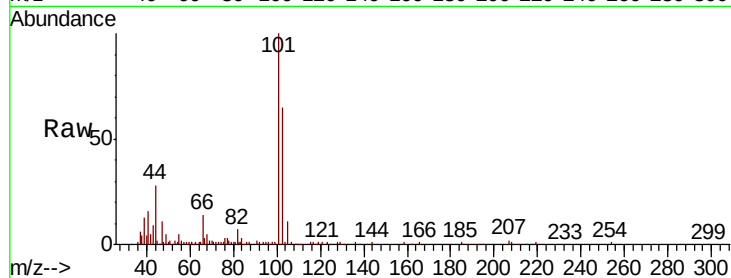
VF0919SBS01

Tgt Ion:101 Resp: 146901

Ion Ratio Lower Upper

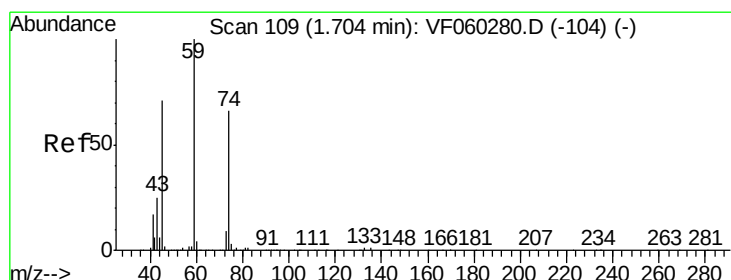
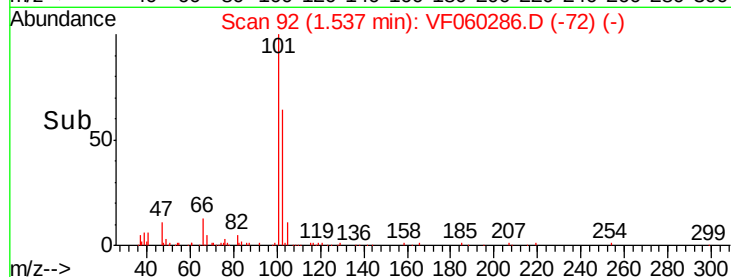
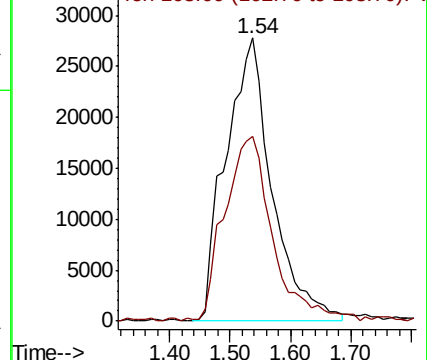
101 100

103 65.2 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 20.412 ug/l

RT: 1.69 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060286.D

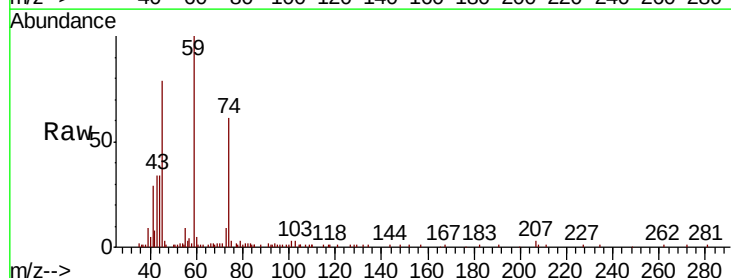
Acq: 19 Sep 2018 18:35

Tgt Ion: 74 Resp: 23520

Ion Ratio Lower Upper

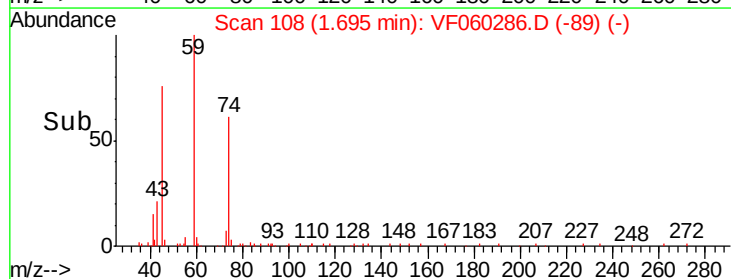
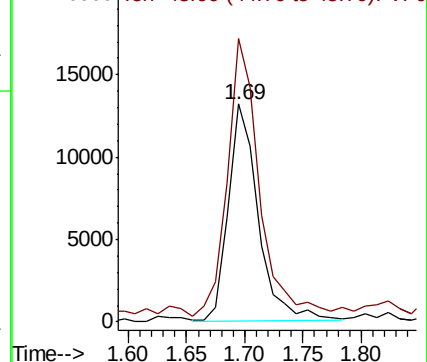
74 100

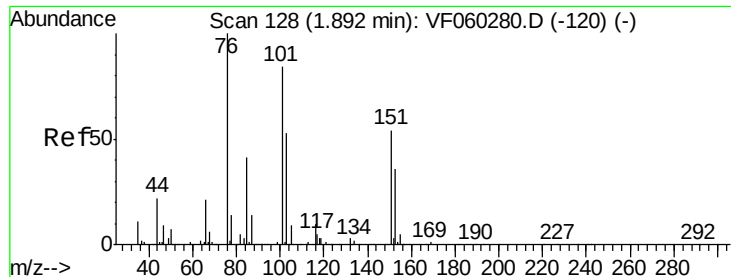
45 129.9 53.9 161.7



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: 21.066 ug/l

RT: 1.90 min Scan# 129

Delta R.T. 0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

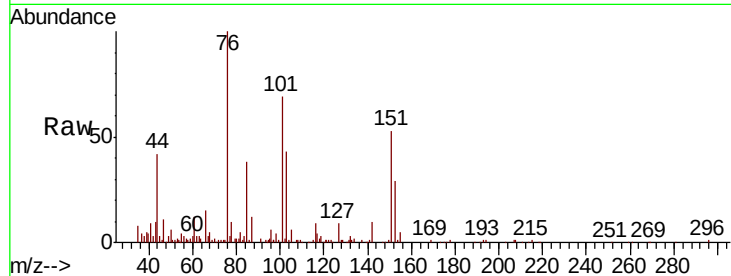
Tgt Ion:101 Resp: 77593

Ion Ratio Lower Upper

101 100

85 54.2 38.7 58.1

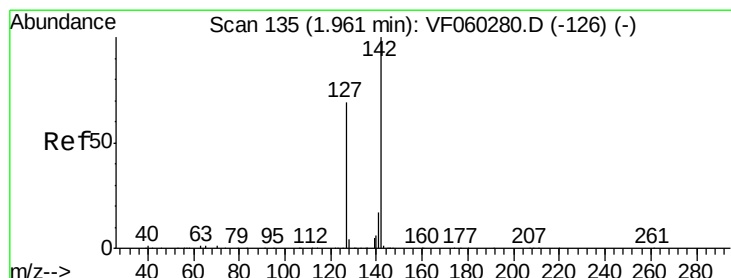
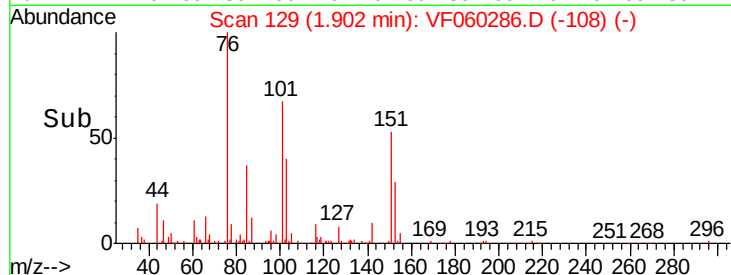
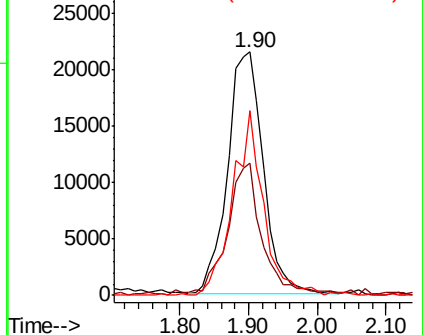
151 75.9 50.8 76.2



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: 21.667 ug/l

RT: 1.96 min Scan# 135

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

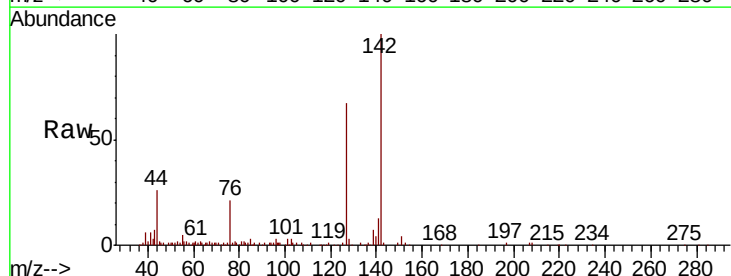
Tgt Ion:142 Resp: 128691

Ion Ratio Lower Upper

142 100

127 67.3 55.4 83.0

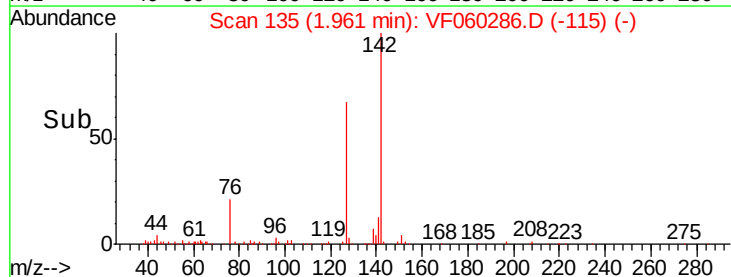
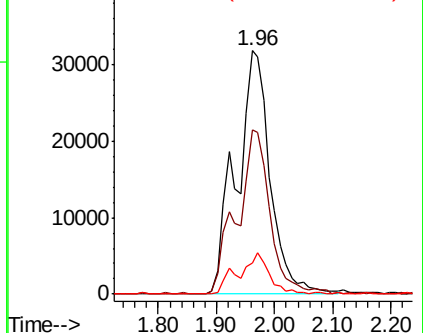
141 12.9 13.3 19.9#

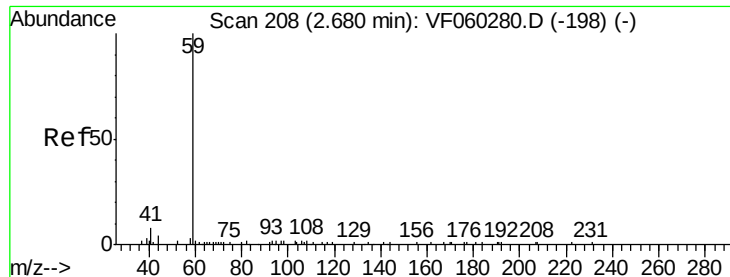


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

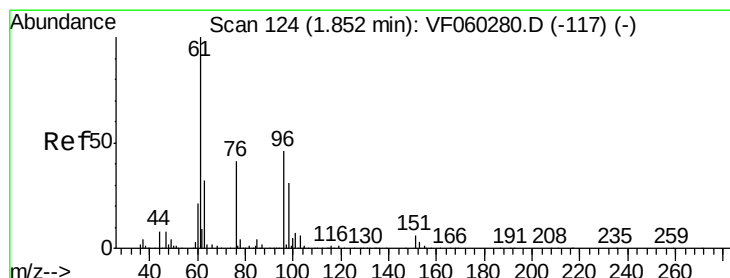
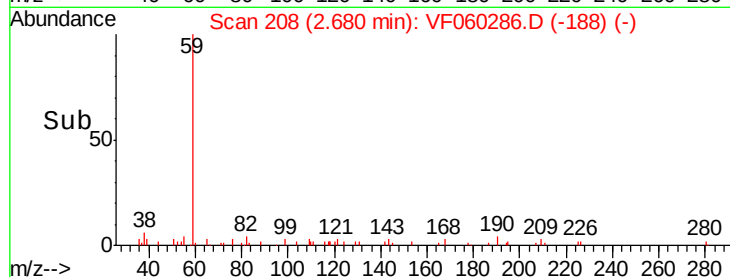
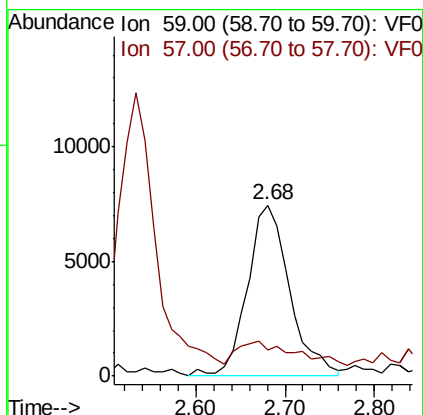
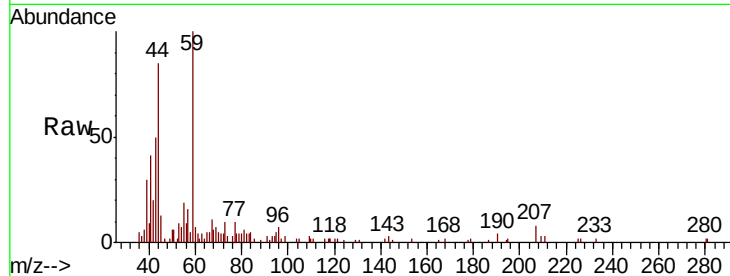




#11
Tert butyl alcohol
Concen: 112.797 ug/l
RT: 2.68 min Scan# 208
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

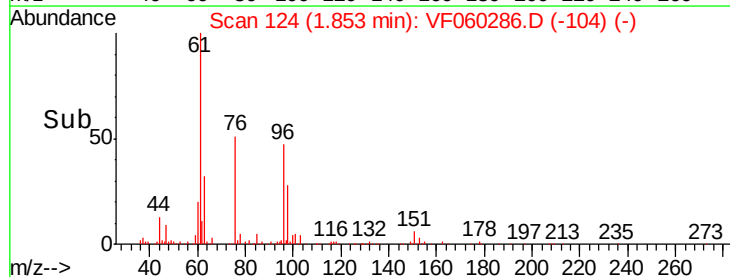
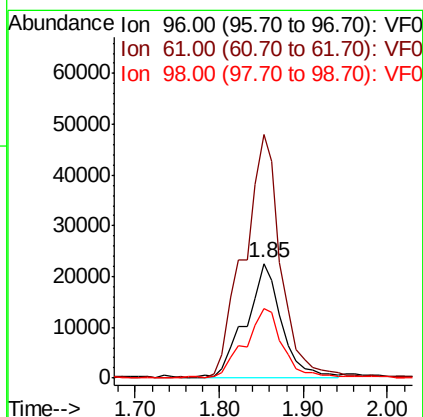
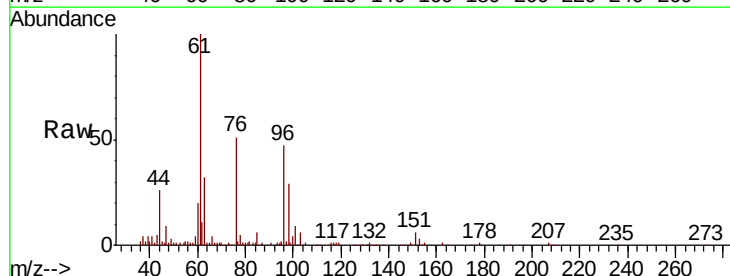
Instrument :
MSVOA_F
ClientSampled :
VF0919SBS01

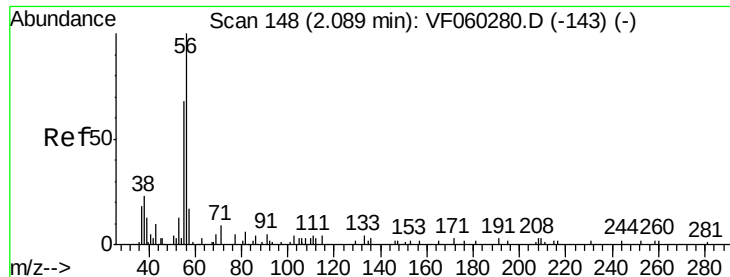
Tgt Ion: 59 Resp: 24535
Ion Ratio Lower Upper
59 100
57 15.6 12.4 18.6



#12
1,1-Dichloroethene
Concen: 22.354 ug/l
RT: 1.85 min Scan# 124
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion: 96 Resp: 68093
Ion Ratio Lower Upper
96 100
61 212.2 172.2 258.2
98 60.8 54.1 81.1





#13

Acrolein

Concen: 208.025 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

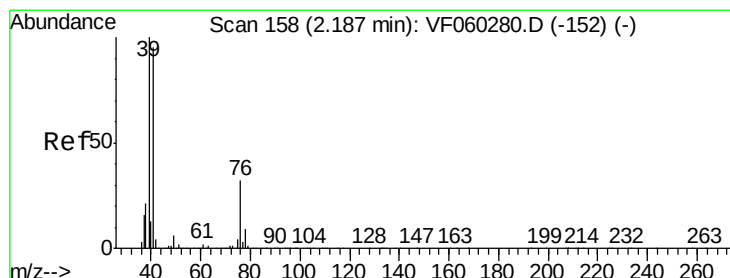
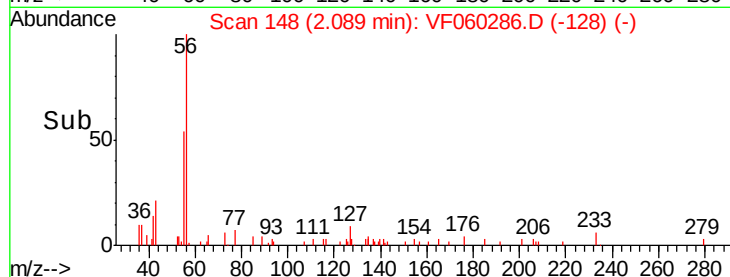
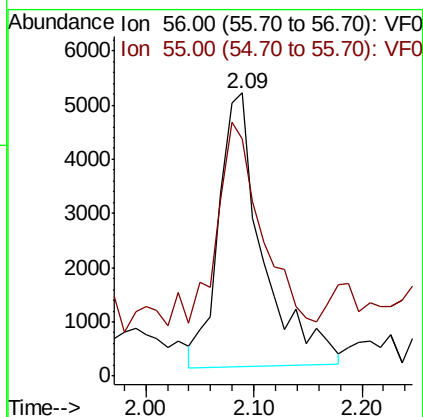
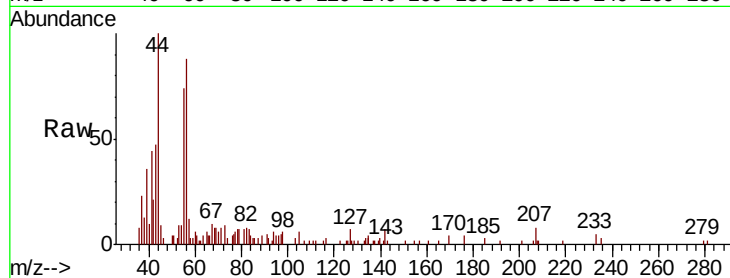
VF0919SBS01

Tgt Ion: 56 Resp: 14240

Ion Ratio Lower Upper

56 100

55 83.7 69.9 104.9



#14

Allyl chloride

Concen: 20.327 ug/l

RT: 2.19 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

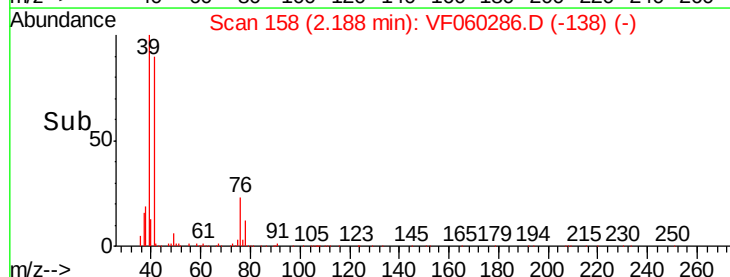
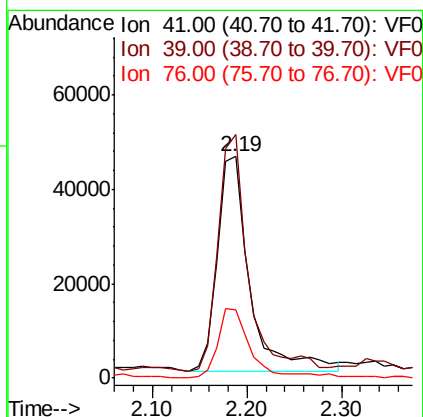
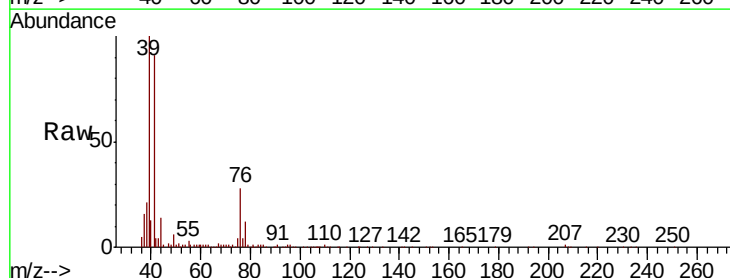
Tgt Ion: 41 Resp: 108053

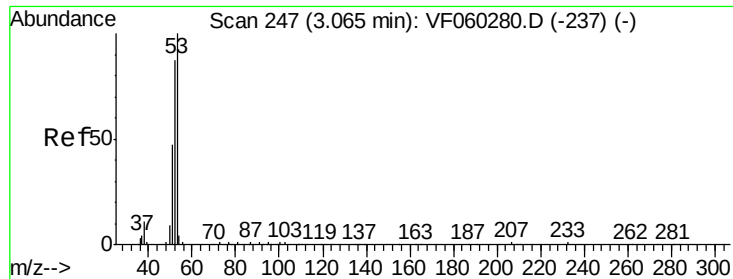
Ion Ratio Lower Upper

41 100

39 109.9 84.8 127.2

76 30.9 27.4 41.2





#15

Acrylonitrile

Concen: 97.995 ug/l

RT: 3.06 min Scan# 247

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

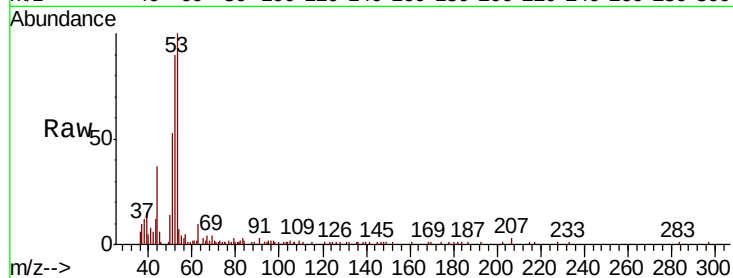
Tgt Ion: 53 Resp: 49885

Ion Ratio Lower Upper

53 100

52 90.1 69.5 104.3

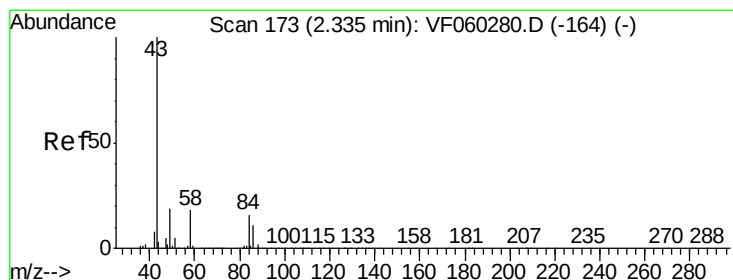
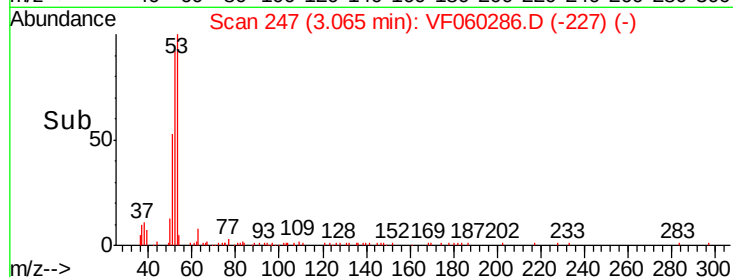
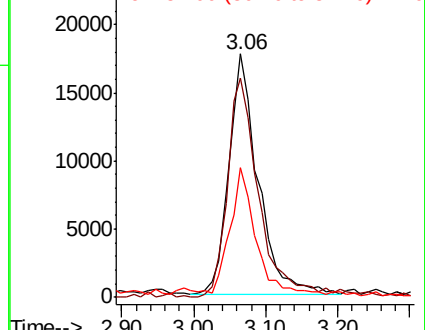
51 53.4 38.1 57.1



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: 96.217 ug/l

RT: 2.34 min Scan# 173

Delta R.T. 0.00 min

Lab File: VF060286.D

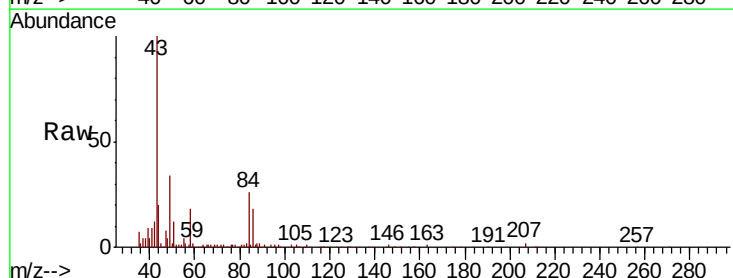
Acq: 19 Sep 2018 18:35

Tgt Ion: 43 Resp: 97666

Ion Ratio Lower Upper

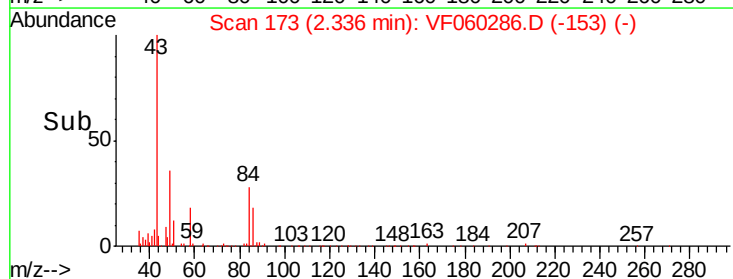
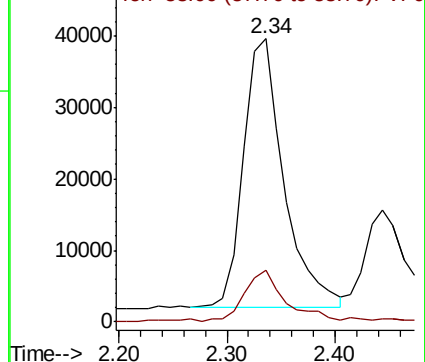
43 100

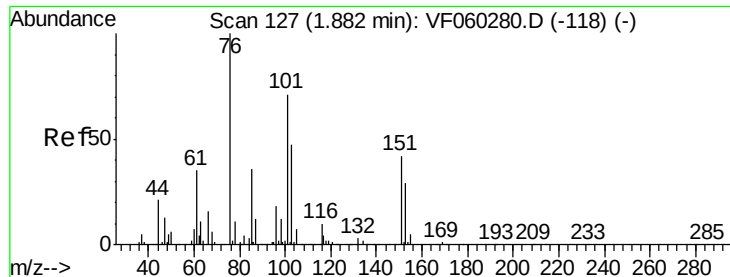
58 18.3 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

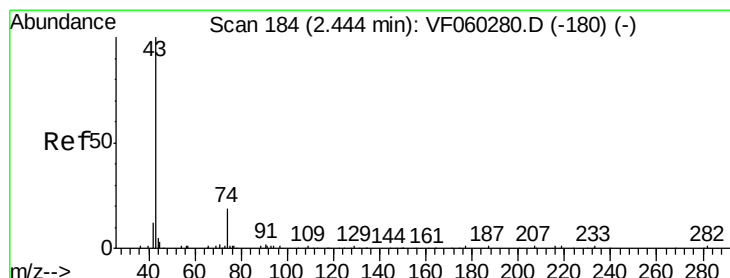
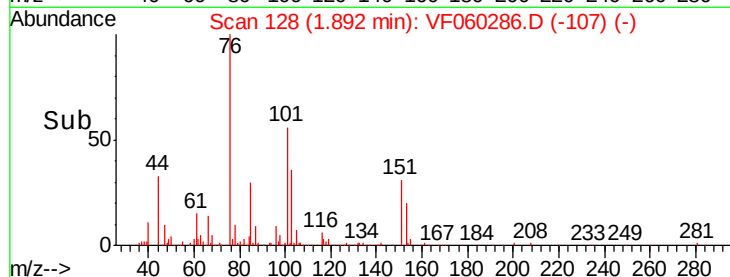
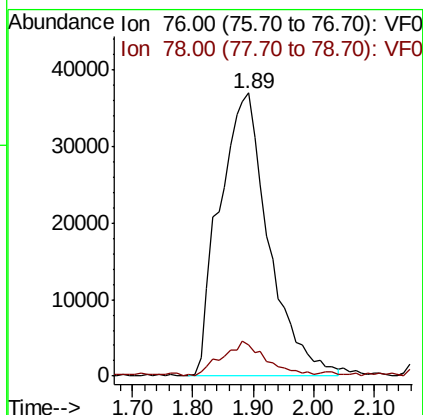
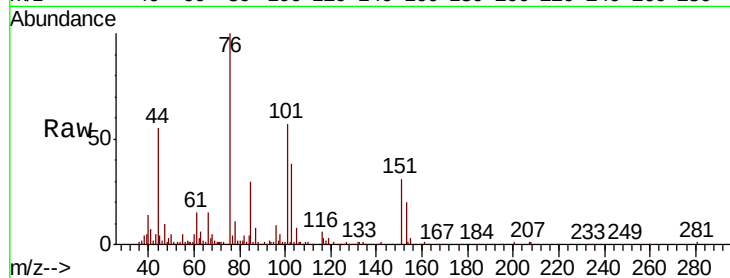




#17
Carbon Disulfide
Concen: 23.568 ug/l
RT: 1.89 min Scan# 128
Delta R.T. 0.01 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

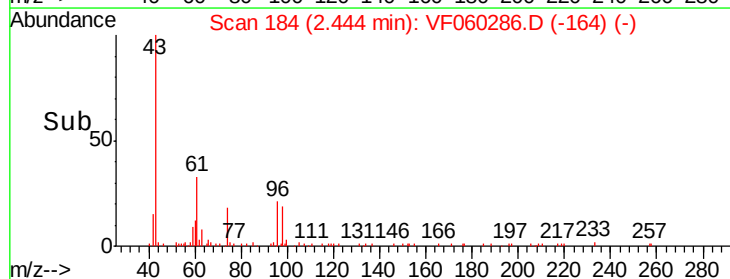
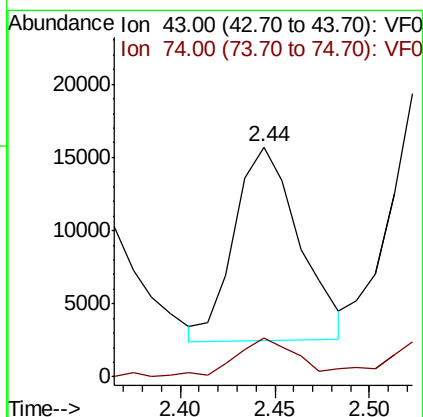
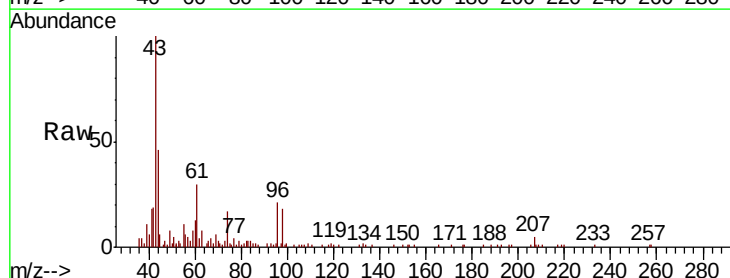
Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

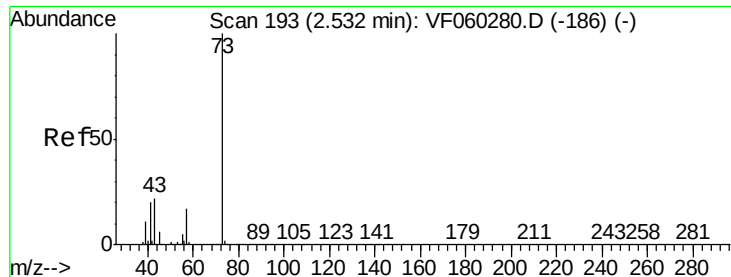
Tgt Ion: 76 Resp: 208251
Ion Ratio Lower Upper
76 100
78 11.1 9.4 14.0



#18
Methyl Acetate
Concen: 18.694 ug/l
RT: 2.44 min Scan# 184
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion: 43 Resp: 31611
Ion Ratio Lower Upper
43 100
74 16.8 12.7 19.1



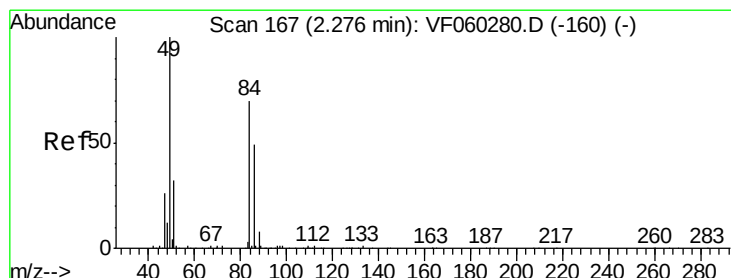
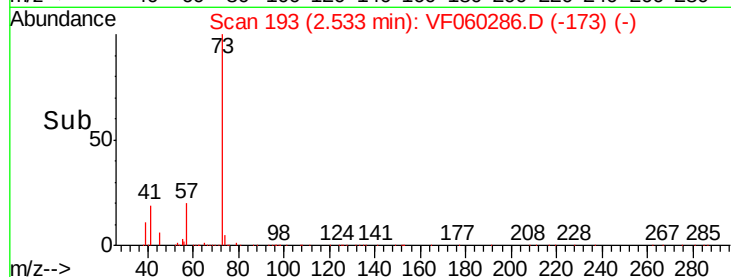
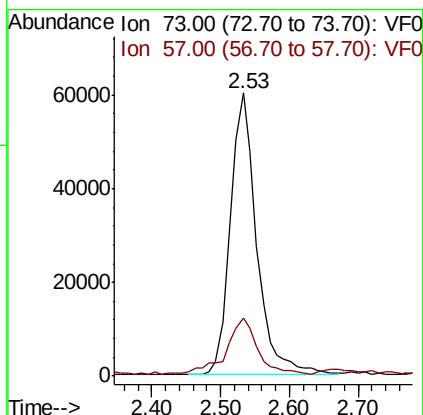
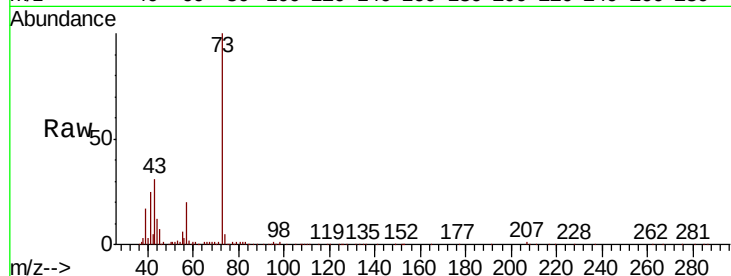


#19

Methyl tert-butyl Ether
 Concen: 21.040 ug/l
 RT: 2.53 min Scan# 193
 Delta R.T. 0.00 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

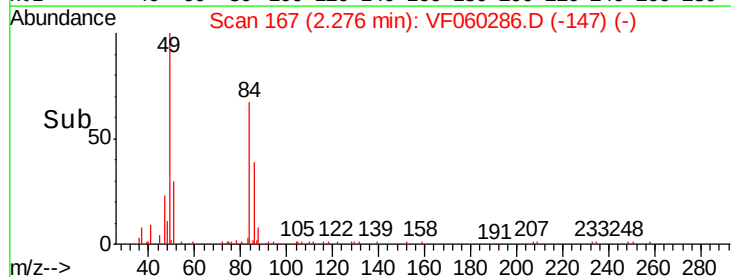
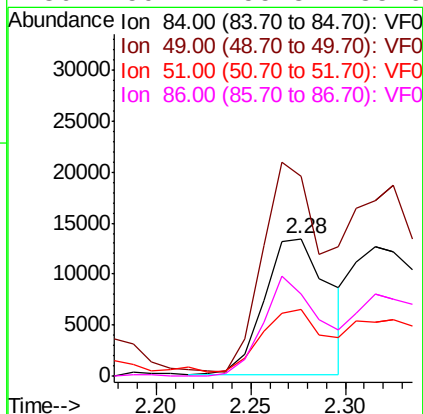
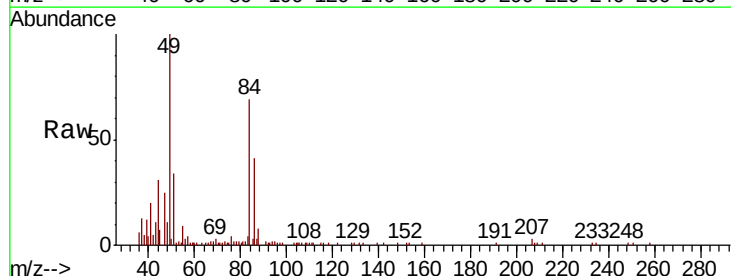
Tgt Ion: 73 Resp: 159776
 Ion Ratio Lower Upper
 73 100
 57 20.4 14.5 21.7

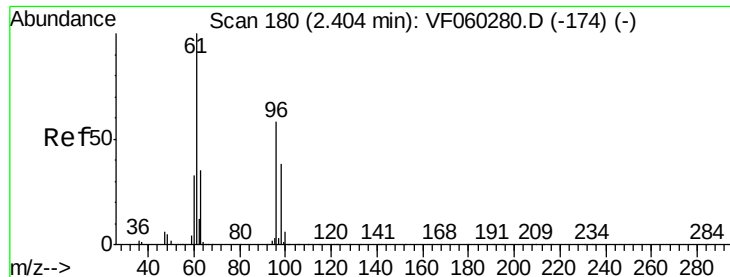


#20

Methylene Chloride
 Concen: 5.040 ug/l
 RT: 2.28 min Scan# 167
 Delta R.T. 0.00 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

Tgt Ion: 84 Resp: 32141
 Ion Ratio Lower Upper
 84 100
 49 145.3 118.3 177.5
 51 49.0 38.7 58.1
 86 59.4 55.8 83.6





#21

trans-1,2-Dichloroethene

Concen: 20.805 ug/l

RT: 2.40 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

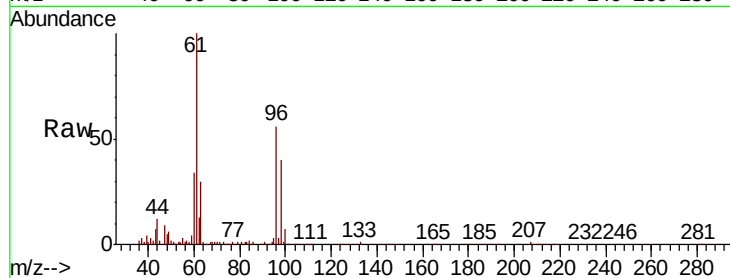
Tgt Ion: 96 Resp: 65456

Ion Ratio Lower Upper

96 100

61 178.1 136.4 204.6

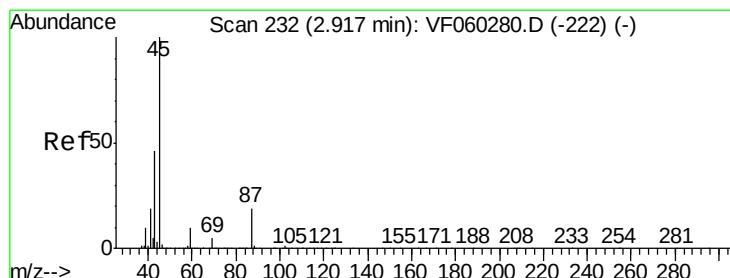
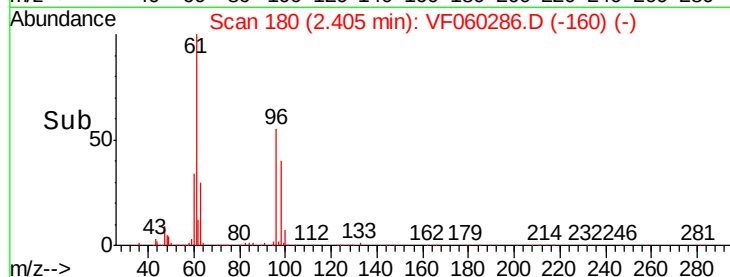
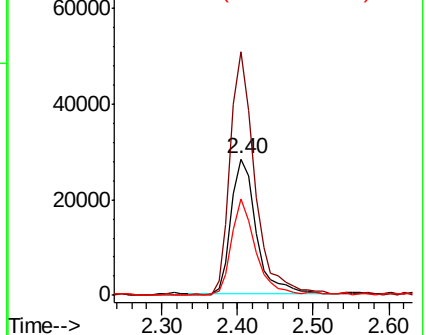
98 70.6 51.8 77.6



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: 19.555 ug/l

RT: 2.92 min Scan# 232

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Tgt Ion: 45 Resp: 196122

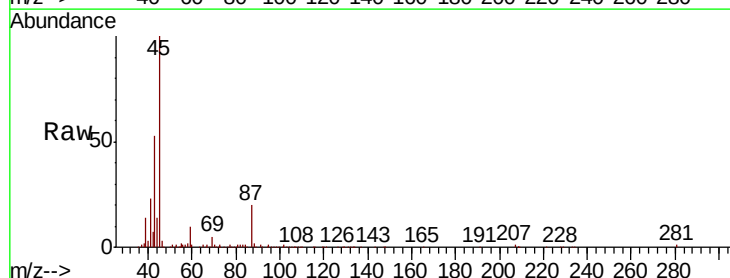
Ion Ratio Lower Upper

45 100

43 53.1 38.2 57.2

87 20.0 15.5 23.3

59 10.1 7.7 11.5

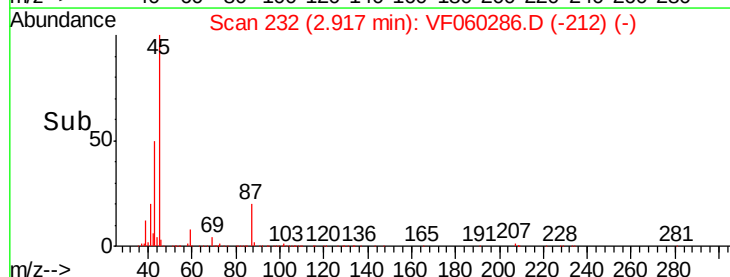
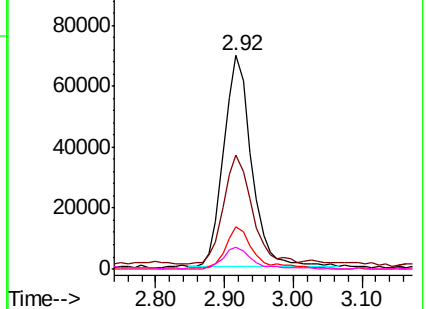


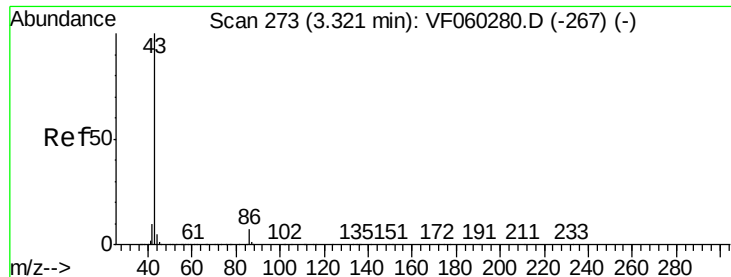
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 115.018 ug/l

RT: 3.32 min Scan# 273

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

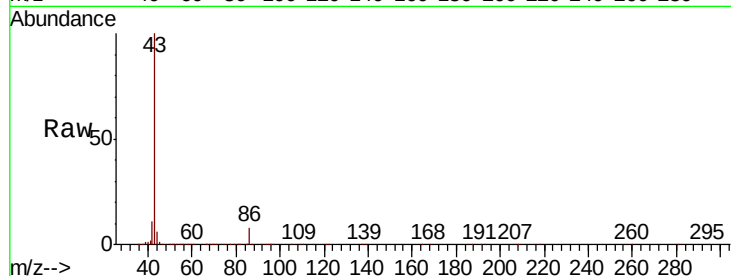
VF0919SBS01

Tgt Ion: 43 Resp: 453055

Ion Ratio Lower Upper

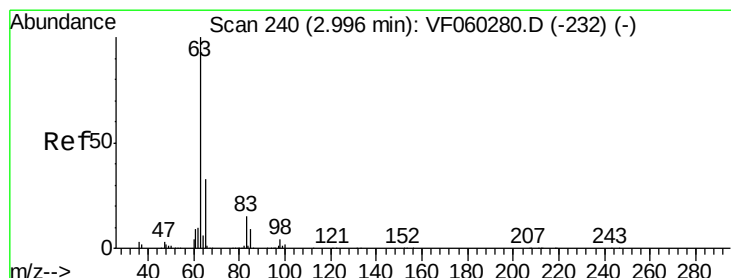
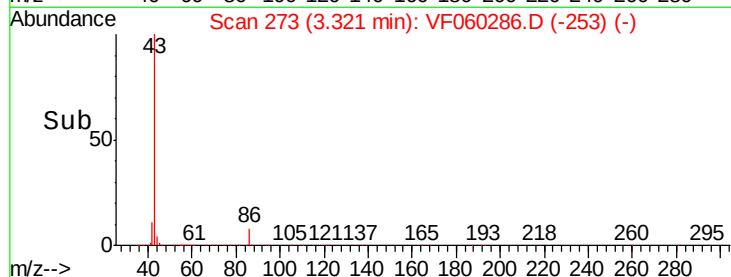
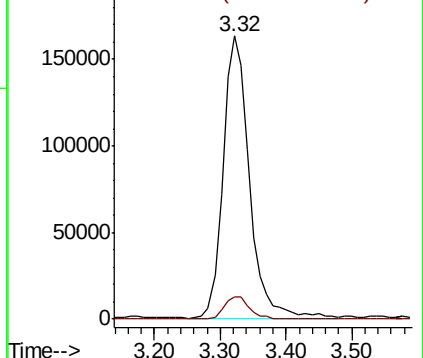
43 100

86 7.9 5.9 8.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 20.171 ug/l

RT: 2.99 min Scan# 239

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

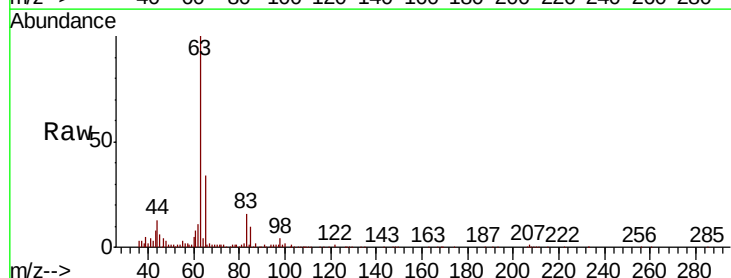
Tgt Ion: 63 Resp: 131201

Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.5

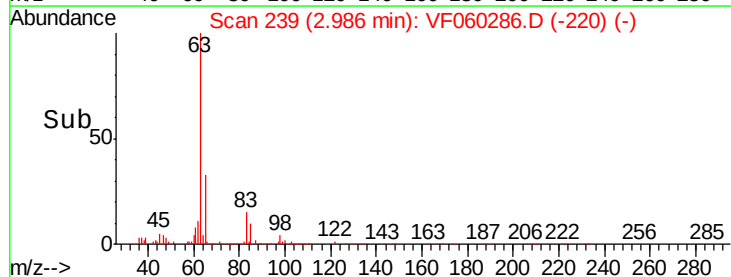
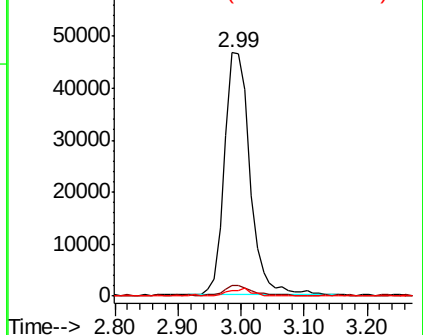
100 2.4 1.1 3.3

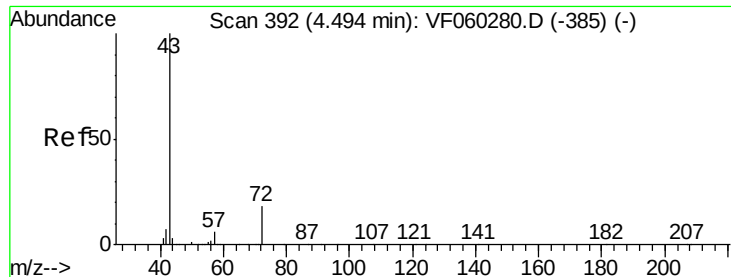


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 89.581 ug/l

RT: 4.49 min Scan# 392

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

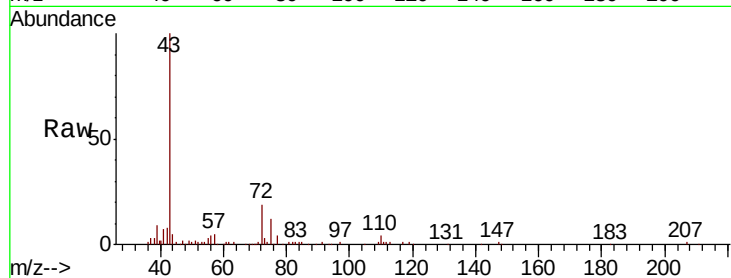
VF0919SBS01

Tgt Ion: 43 Resp: 122392

Ion Ratio Lower Upper

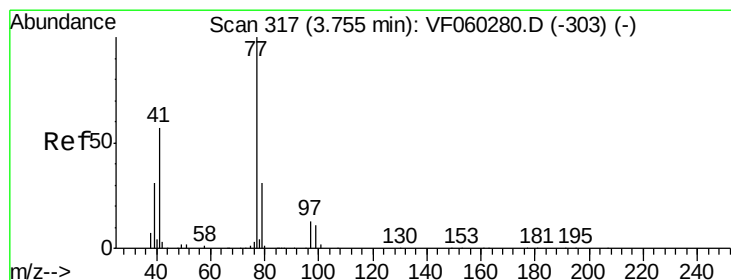
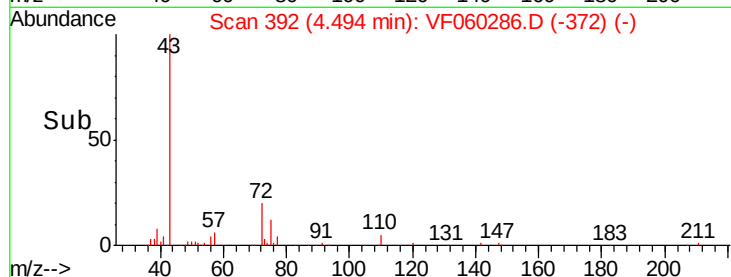
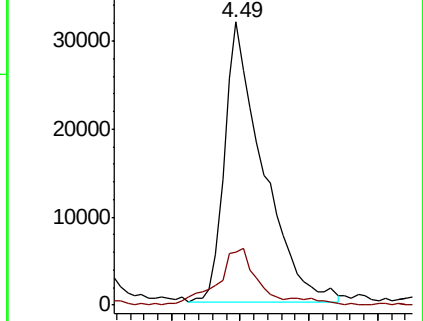
43 100

72 18.8 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 21.140 ug/l

RT: 3.75 min Scan# 317

Delta R.T. 0.00 min

Lab File: VF060286.D

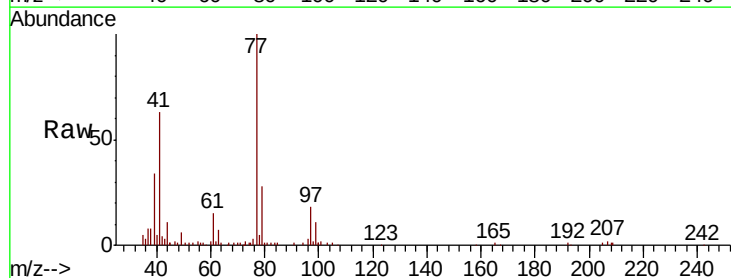
Acq: 19 Sep 2018 18:35

Tgt Ion: 77 Resp: 78454

Ion Ratio Lower Upper

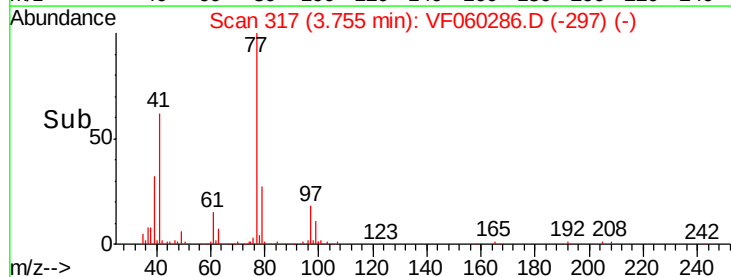
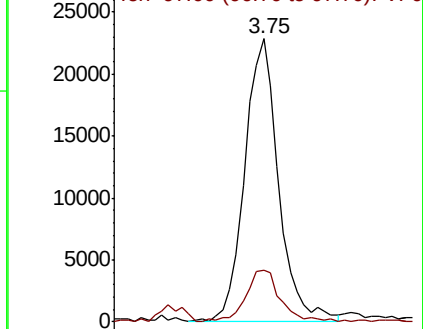
77 100

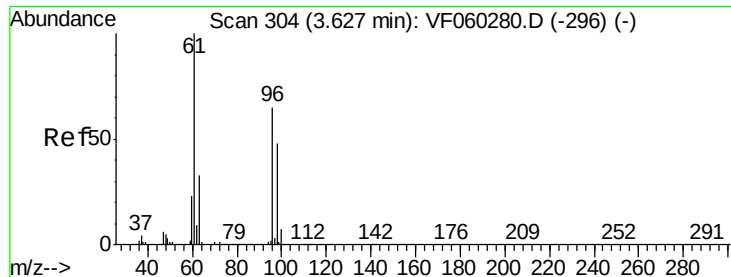
97 18.3 9.3 27.9



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



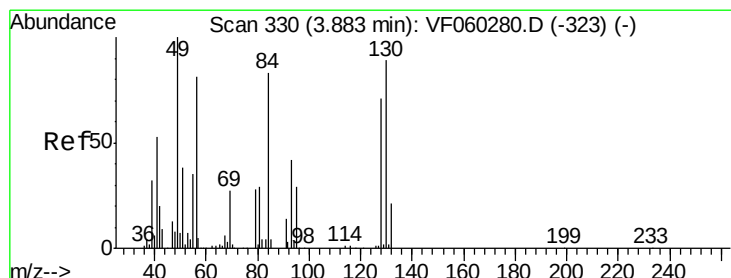
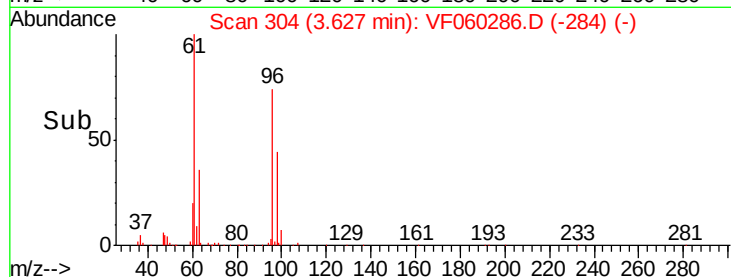
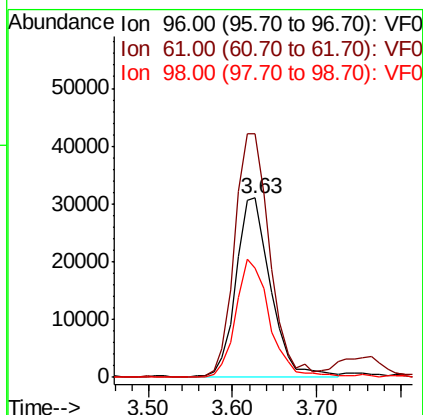
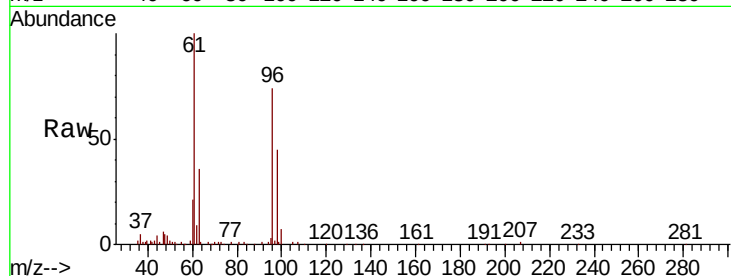


#27

cis-1,2-Dichloroethene
 Concen: 21.437 ug/l
 RT: 3.63 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

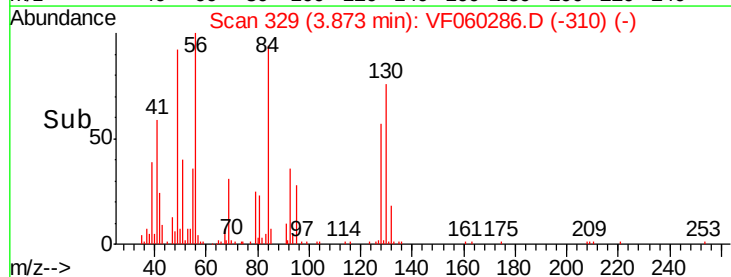
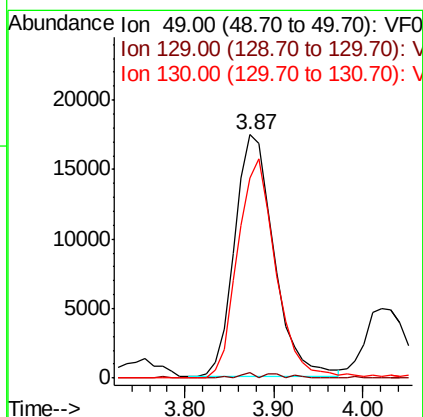
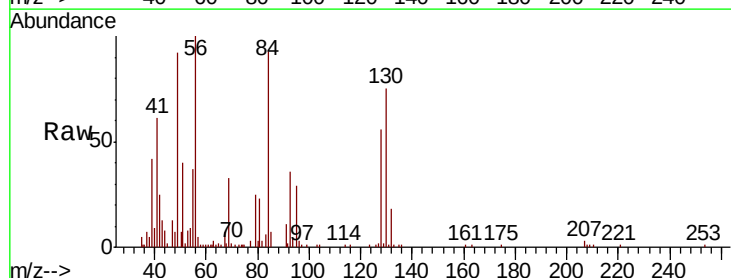
Tgt Ion: 96 Resp: 88604
 Ion Ratio Lower Upper
 96 100
 61 135.5 0.0 304.8
 98 60.7 0.0 146.4

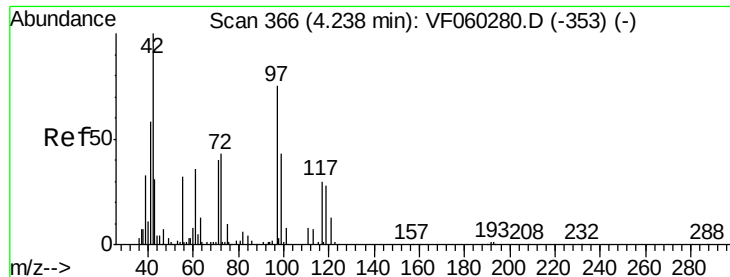


#28

Bromochloromethane
 Concen: 21.053 ug/l
 RT: 3.87 min Scan# 329
 Delta R.T. -0.01 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

Tgt Ion: 49 Resp: 53313
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.2
 130 83.0 70.3 105.5





#29

Tetrahydrofuran

Concen: 105.564 ug/l

RT: 4.25 min Scan# 367

Delta R.T. 0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

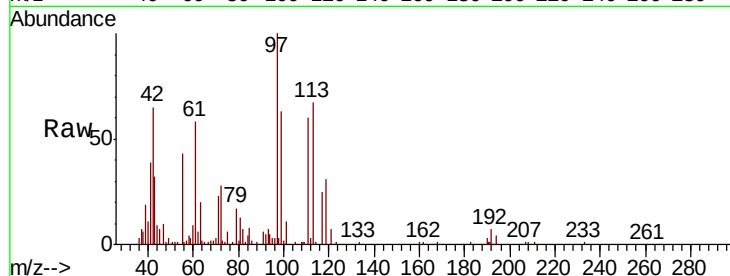
Tgt Ion: 42 Resp: 52817

Ion Ratio Lower Upper

42 100

72 43.0 32.6 49.0

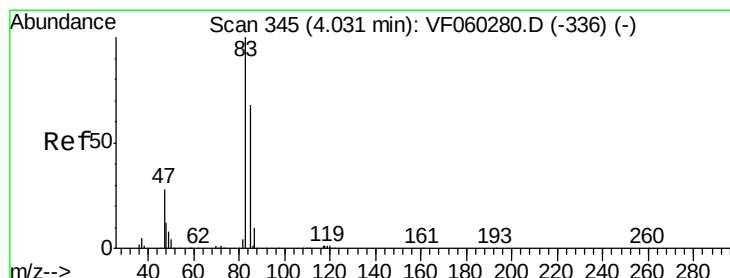
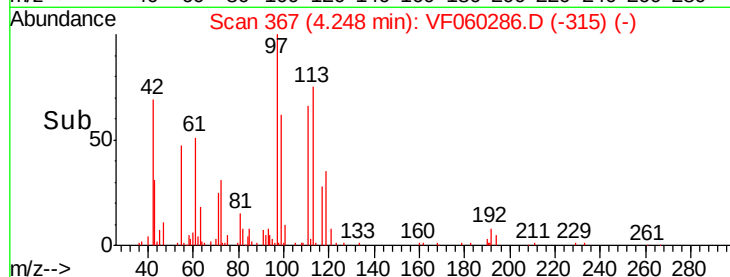
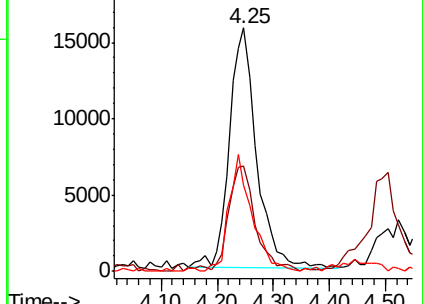
71 41.6 32.7 49.1



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: 21.951 ug/l

RT: 4.02 min Scan# 344

Delta R.T. -0.01 min

Lab File: VF060286.D

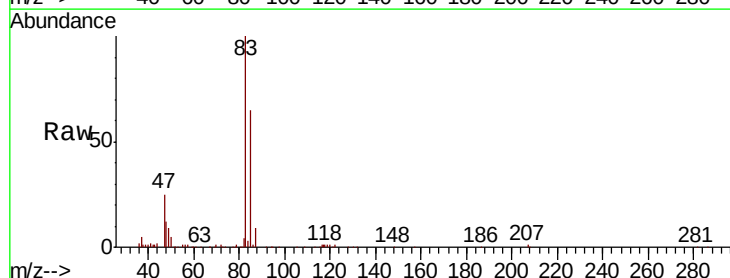
Acq: 19 Sep 2018 18:35

Tgt Ion: 83 Resp: 172272

Ion Ratio Lower Upper

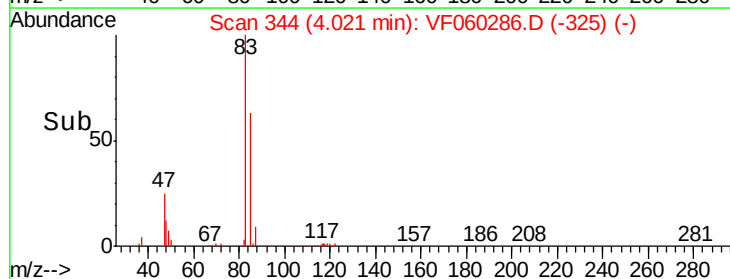
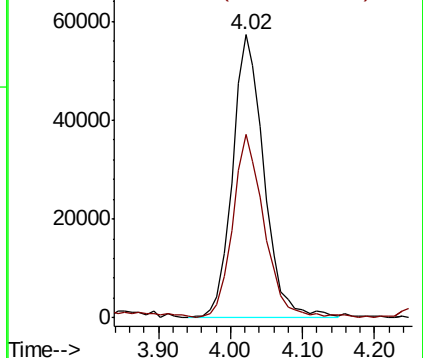
83 100

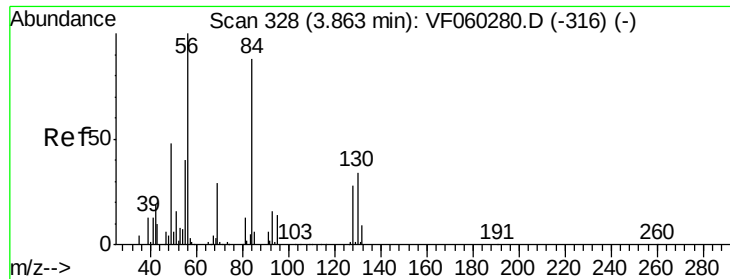
85 64.9 54.9 82.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

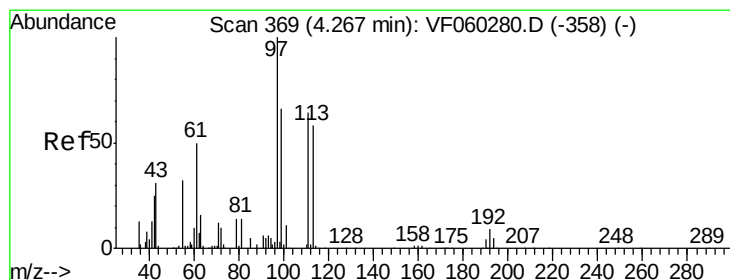
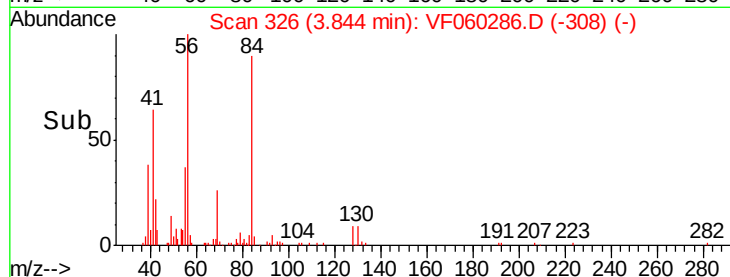
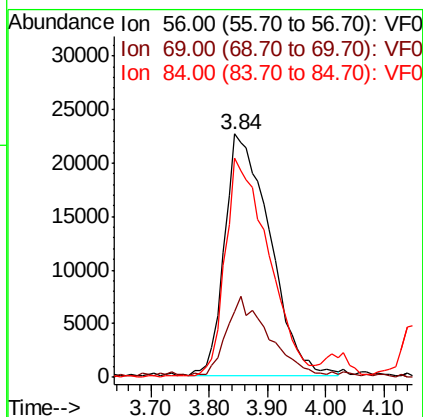
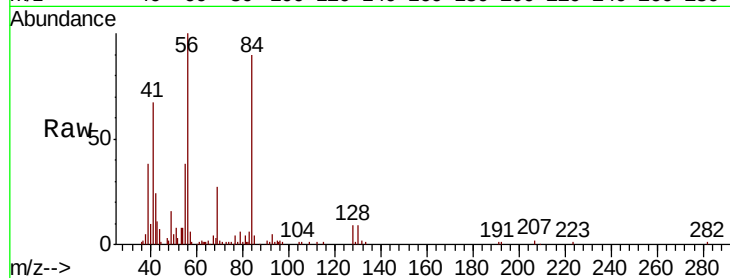




#31
Cyclohexane
Concen: 22.132 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.02 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

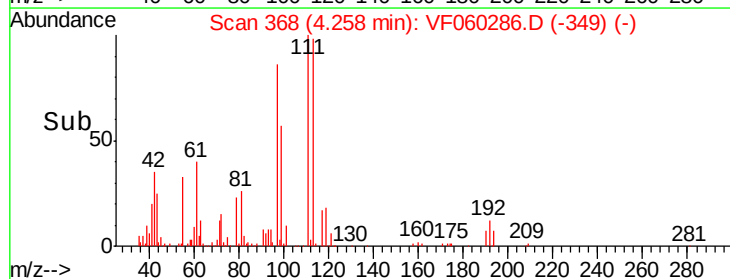
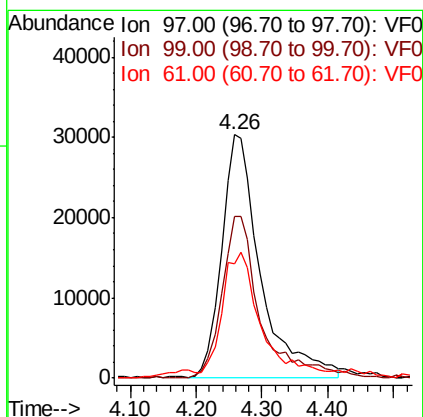
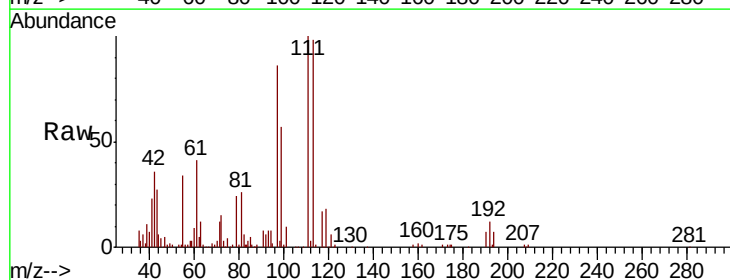
Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

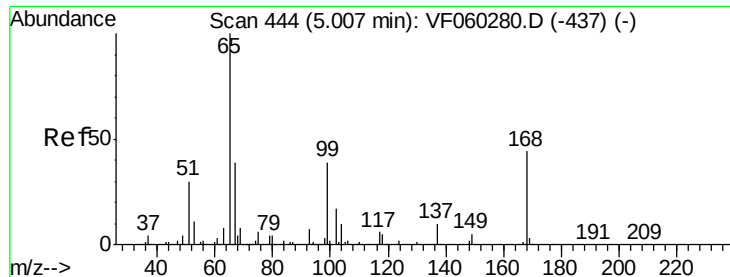
Tgt Ion: 56 Resp: 121594
Ion Ratio Lower Upper
56 100
69 26.8 23.8 35.6
84 89.8 70.2 105.4



#32
1,1,1-Trichloroethane
Concen: 20.255 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion: 97 Resp: 125430
Ion Ratio Lower Upper
97 100
99 66.2 53.0 79.4
61 47.0 40.6 61.0

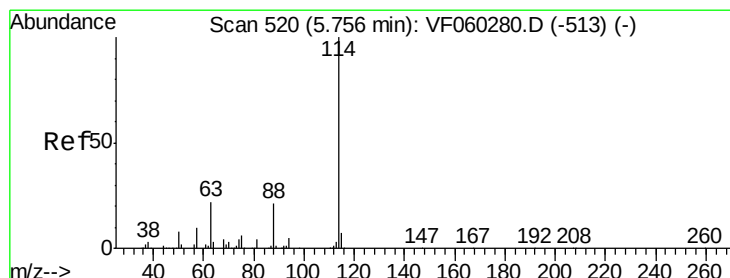
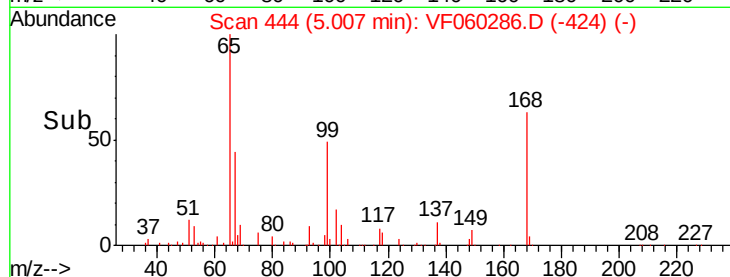
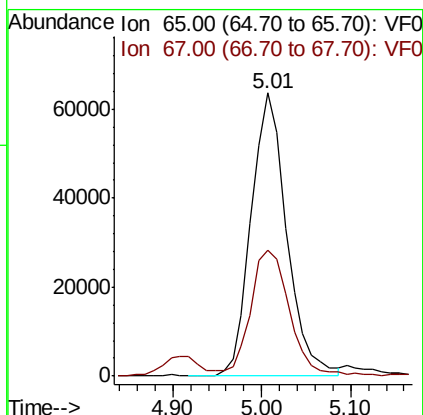
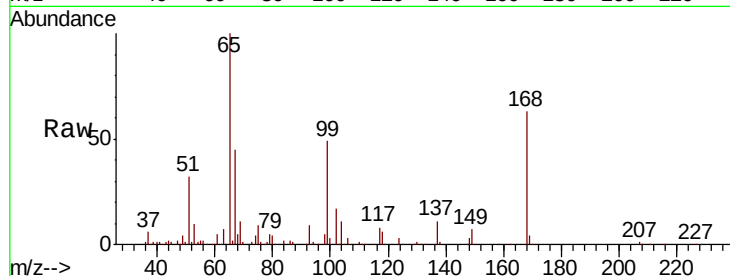




#33
 1,2-Dichloroethane-d4
 Concen: 48.321 ug/l
 RT: 5.01 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

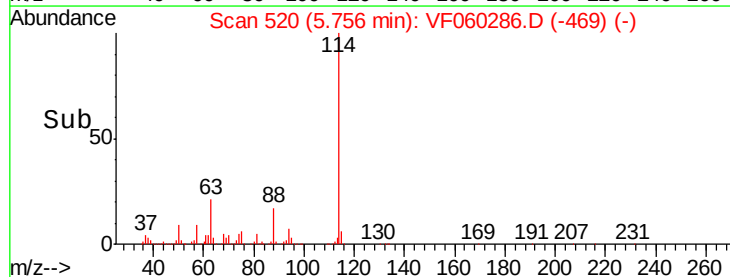
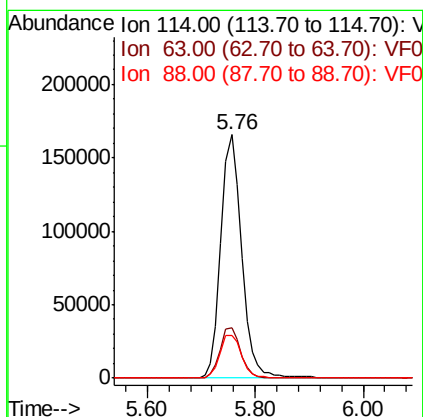
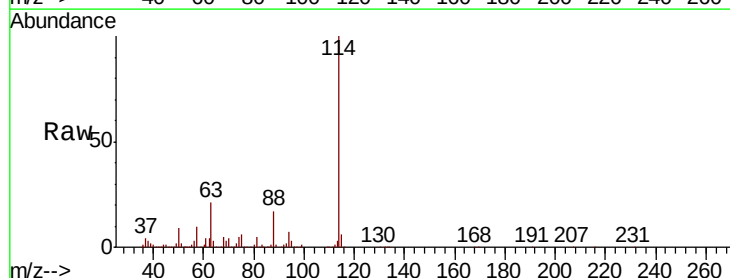
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

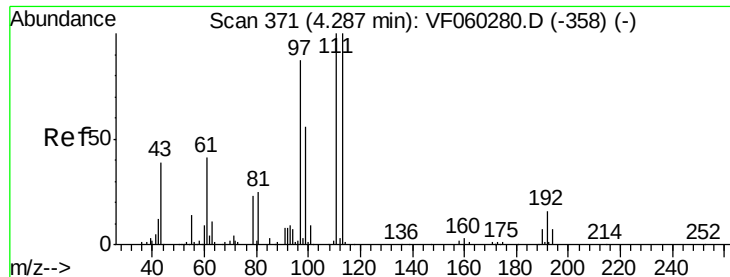
Tgt Ion: 65 Resp: 174165
 Ion Ratio Lower Upper
 65 100
 67 44.5 0.0 94.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

Tgt Ion: 114 Resp: 445180
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 43.8
 88 17.4 0.0 41.2





#35

Dibromofluoromethane

Concen: 50.813 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

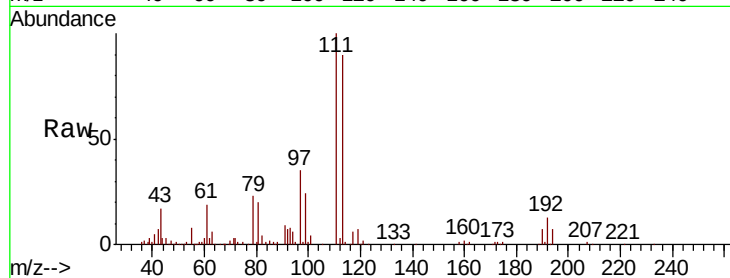
Tgt Ion: 113 Resp: 201648

Ion Ratio Lower Upper

113 100

111 110.9 79.6 119.4

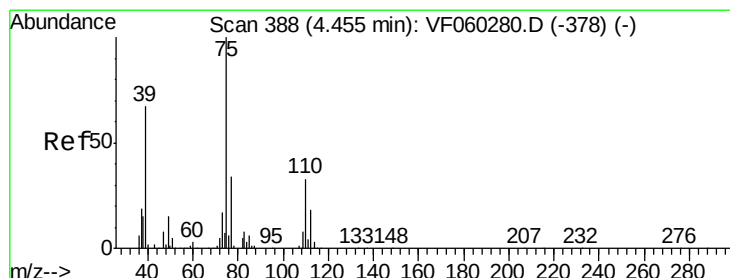
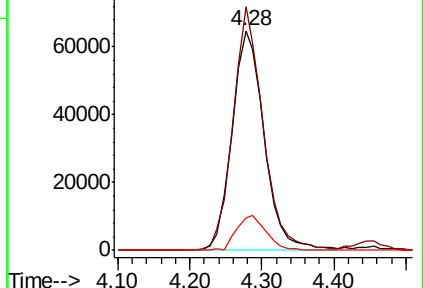
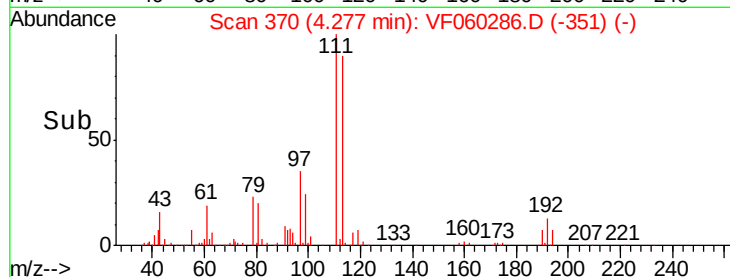
192 14.9 13.0 19.6



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: 20.454 ug/l

RT: 4.44 min Scan# 387

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

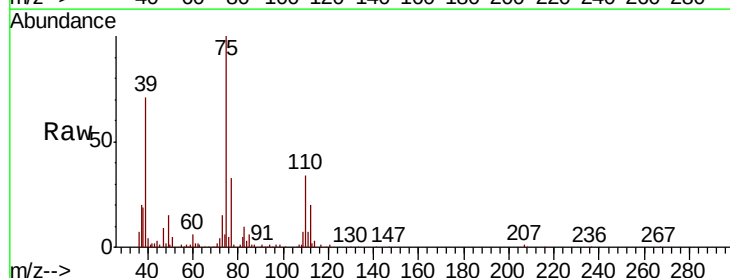
Tgt Ion: 75 Resp: 113579

Ion Ratio Lower Upper

75 100

110 33.9 16.4 49.2

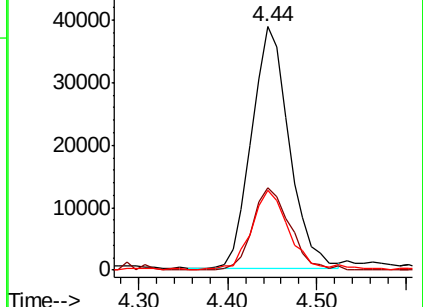
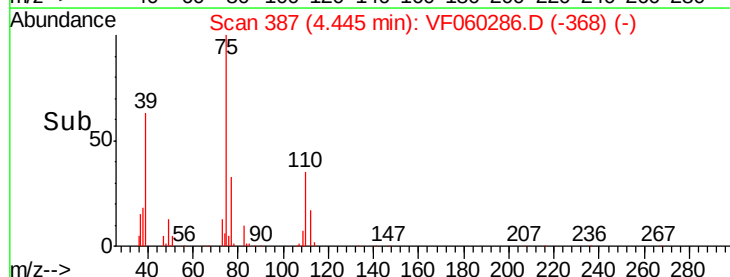
77 32.8 27.3 40.9

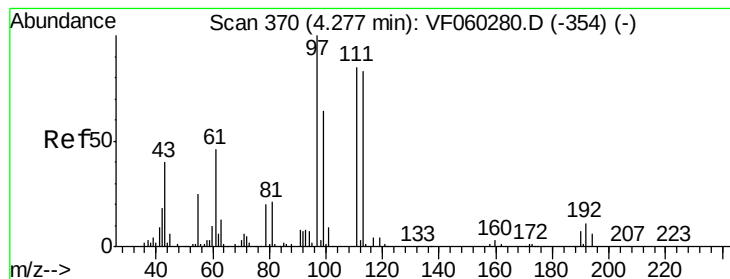


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 19.168 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

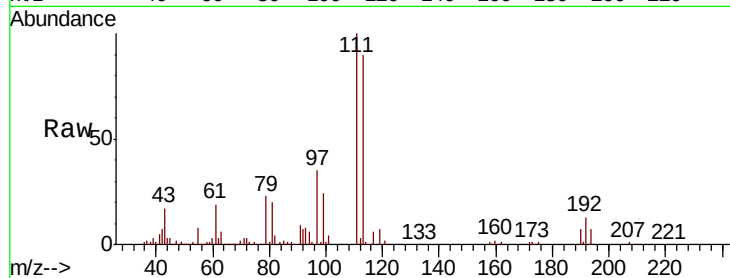
Tgt Ion: 43 Resp: 45038

Ion Ratio Lower Upper

43 100

61 115.0 91.1 136.7

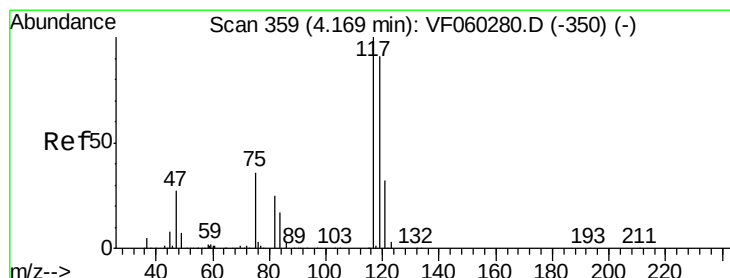
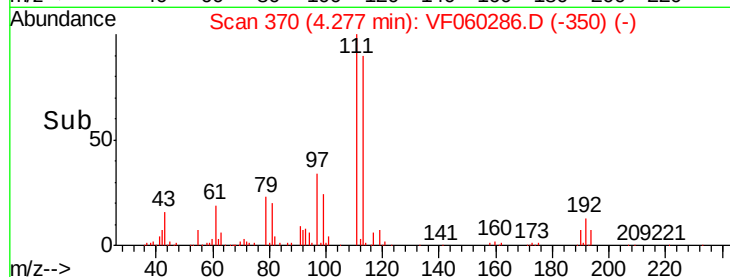
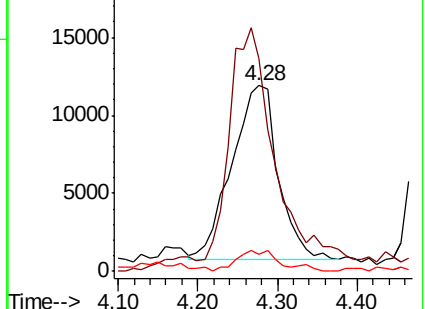
70 9.1 6.9 10.3



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: 24.981 ug/l

RT: 4.17 min Scan# 359

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

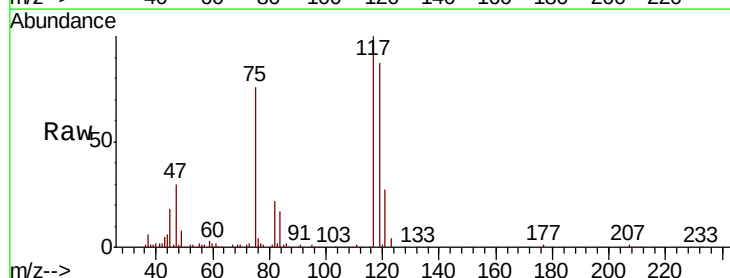
Tgt Ion: 117 Resp: 149000

Ion Ratio Lower Upper

117 100

119 86.9 73.0 109.6

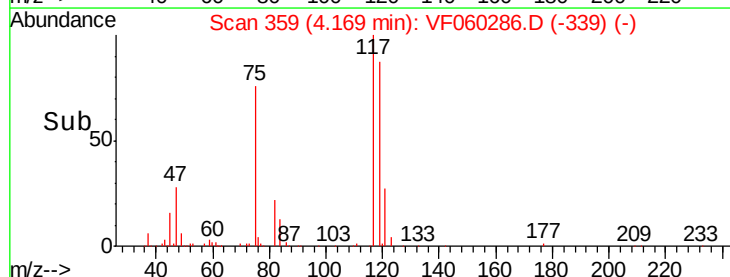
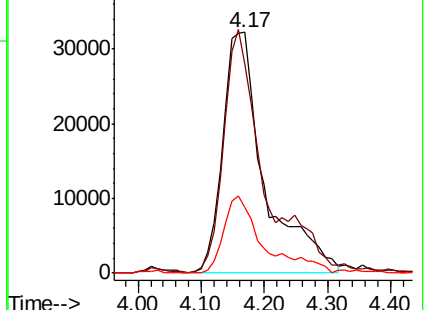
121 27.5 25.4 38.2

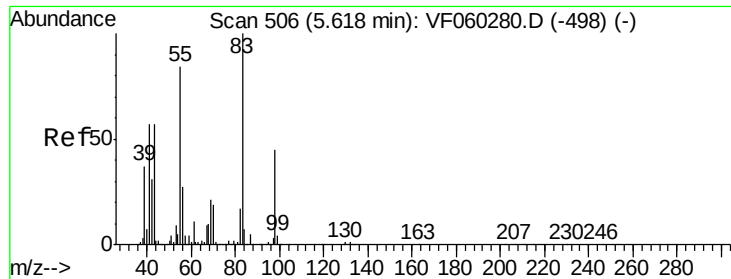


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

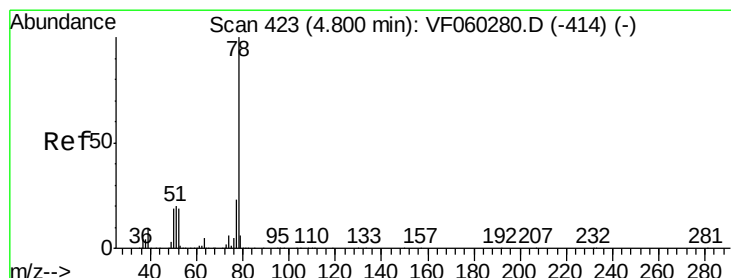
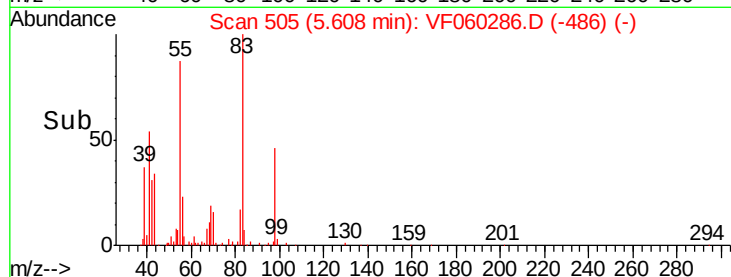
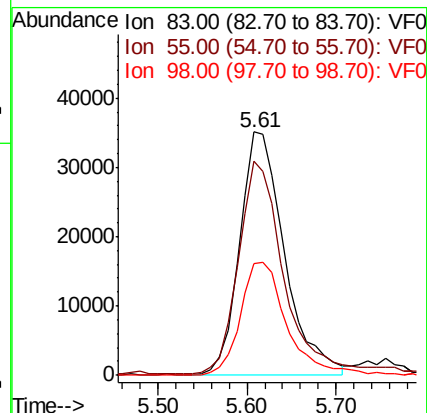
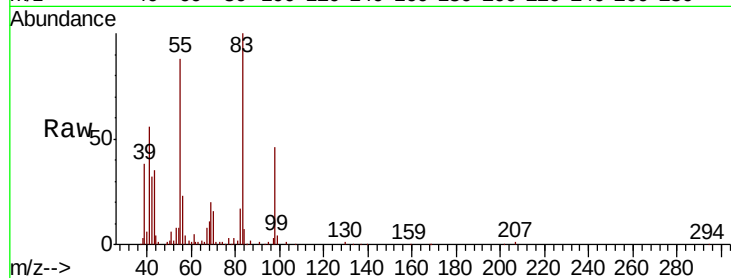




#39
Methylcyclohexane
Concen: 20.417 ug/l
RT: 5.61 min Scan# 505
Delta R.T. -0.01 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

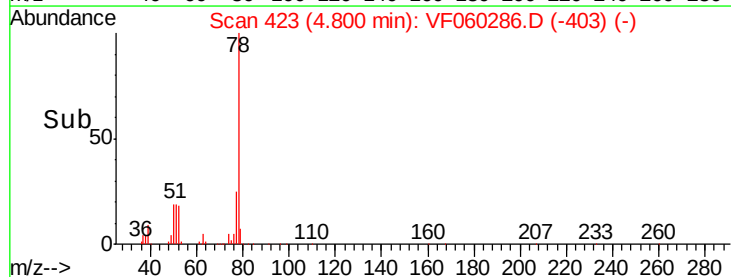
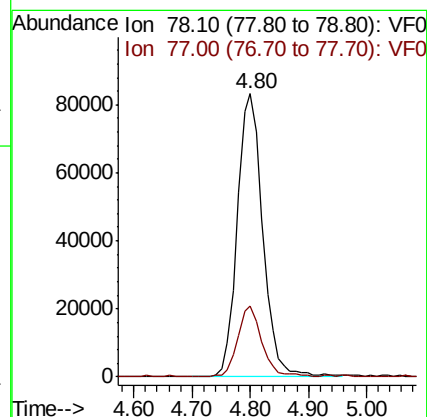
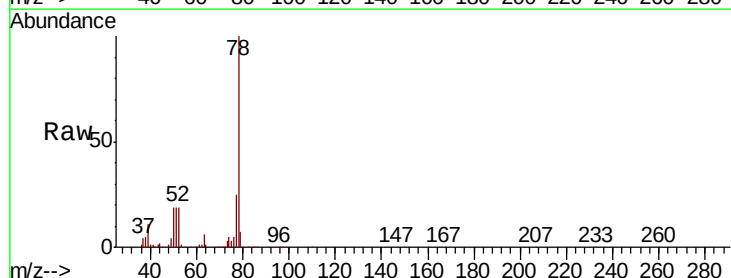
Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

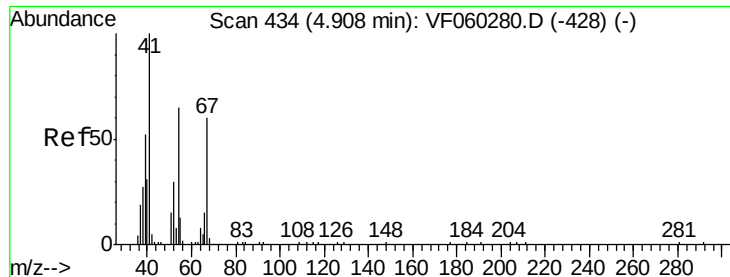
Tgt Ion: 83 Resp: 122877
Ion Ratio Lower Upper
83 100
55 87.9 67.3 100.9
98 45.8 36.1 54.1



#40
Benzene
Concen: 20.117 ug/l
RT: 4.80 min Scan# 423
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion: 78 Resp: 253303
Ion Ratio Lower Upper
78 100
77 25.1 18.4 27.6





#41

Methacrylonitrile

Concen: 19.328 ug/l

RT: 4.91 min Scan# 434

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tgt Ion: 41 Resp: 24643

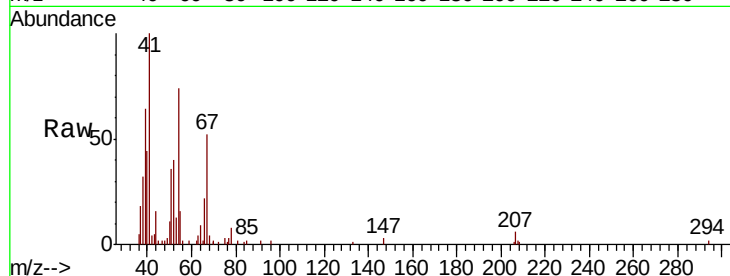
Ion Ratio Lower Upper

41 100

39 64.4 49.1 73.7

67 51.7 48.2 72.4

52 39.7 35.8 53.8

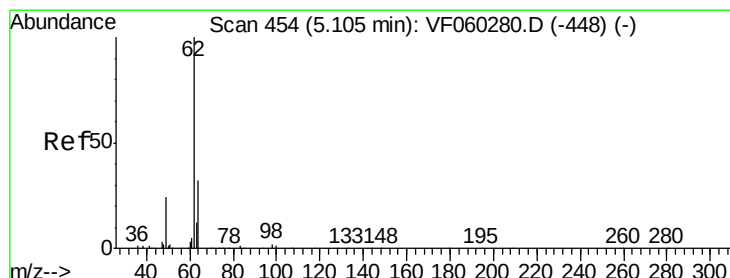
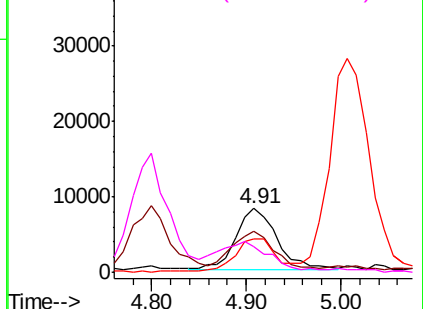
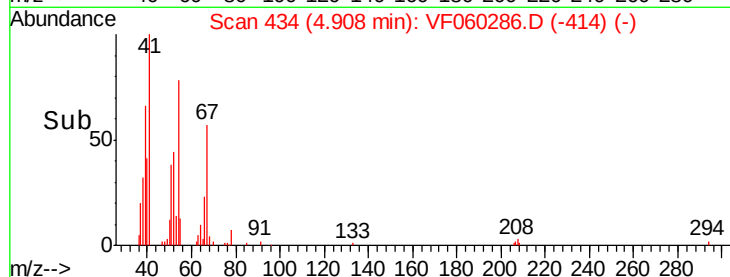


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 19.515 ug/l

RT: 5.11 min Scan# 454

Delta R.T. 0.00 min

Lab File: VF060286.D

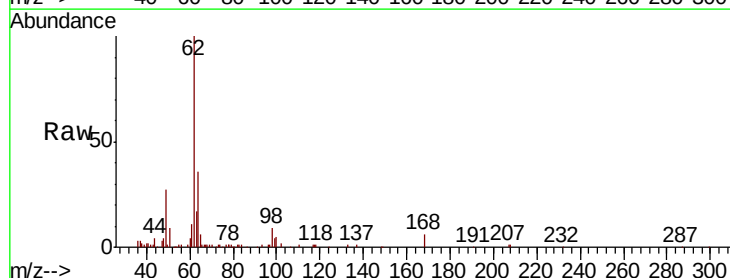
Acq: 19 Sep 2018 18:35

Tgt Ion: 62 Resp: 90445

Ion Ratio Lower Upper

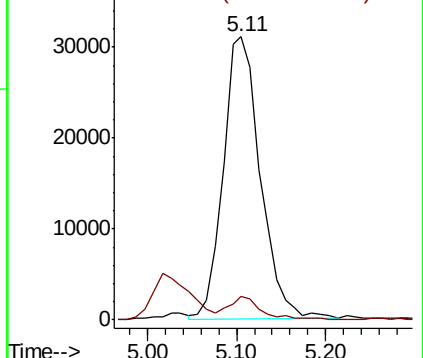
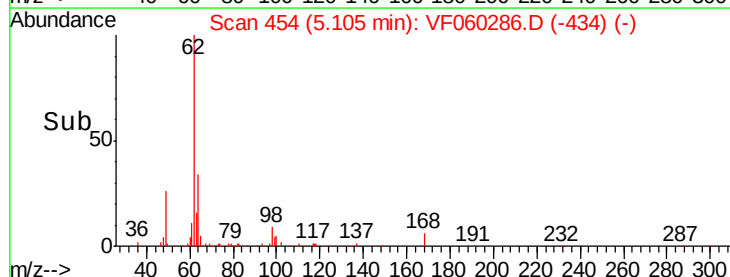
62 100

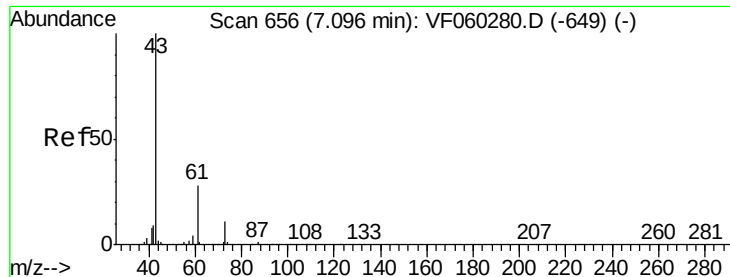
98 8.5 0.0 14.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



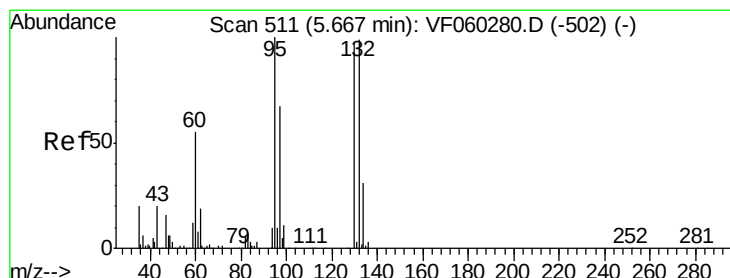
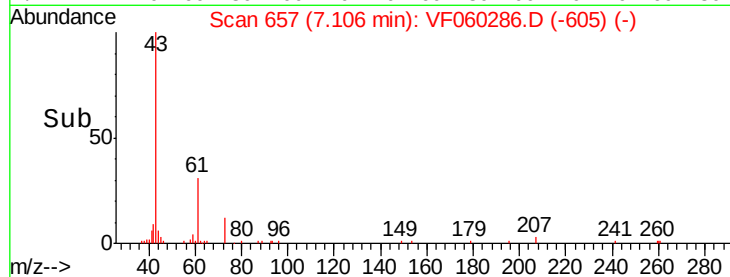
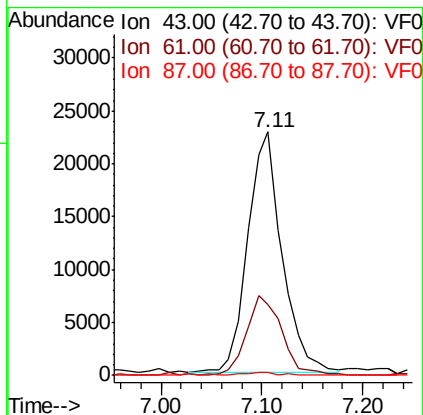
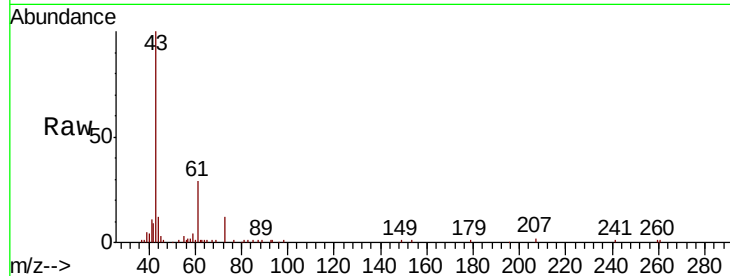


#43

Isopropyl Acetate
 Concen: 18.899 ug/l
 RT: 7.11 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

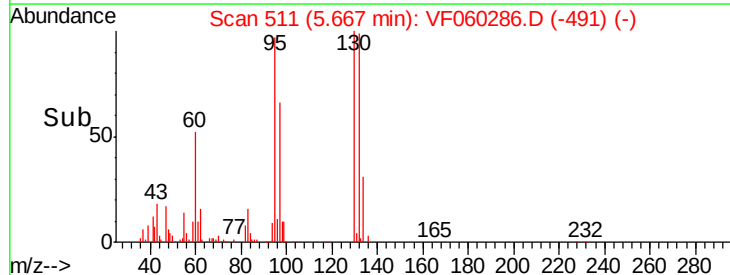
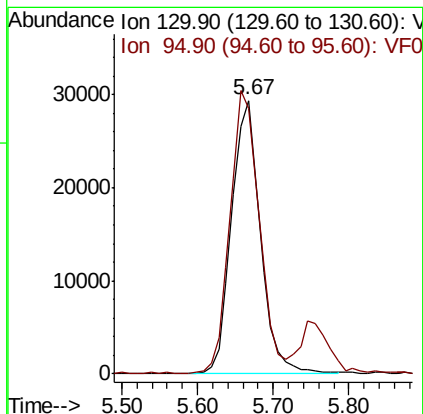
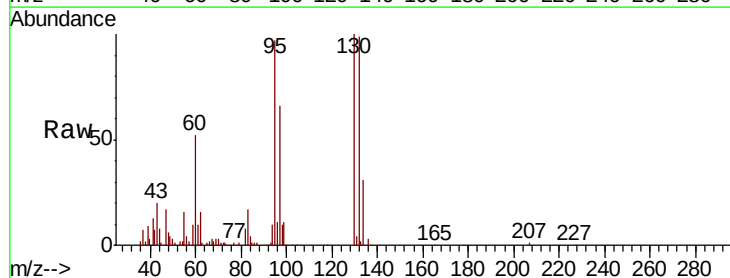
Tgt Ion: 43 Resp: 53458
 Ion Ratio Lower Upper
 43 100
 61 29.0 22.4 33.6
 87 1.3 0.6 0.8#

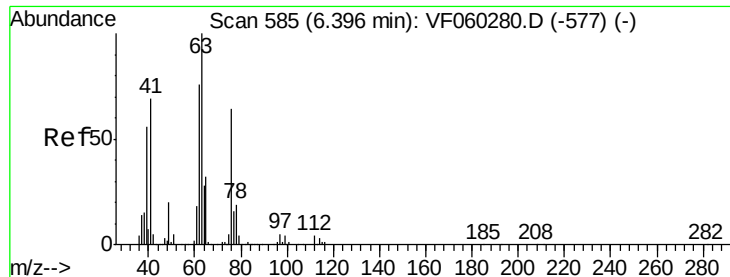


#44

Trichloroethene
 Concen: 20.654 ug/l
 RT: 5.67 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

Tgt Ion: 130 Resp: 77396
 Ion Ratio Lower Upper
 130 100
 95 97.2 0.0 205.6





#45

1,2-Dichloropropane

Concen: 20.523 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

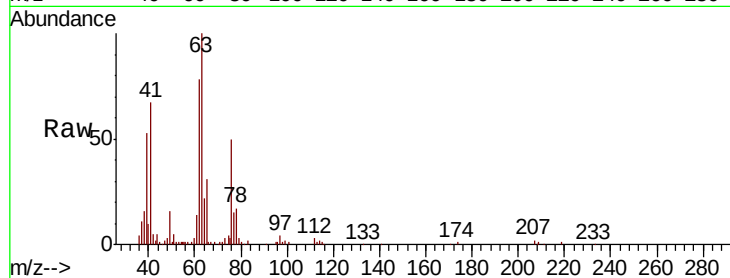
VF0919SBS01

Tgt Ion: 63 Resp: 66877

Ion Ratio Lower Upper

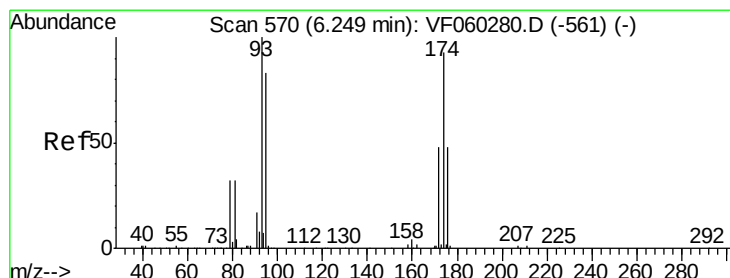
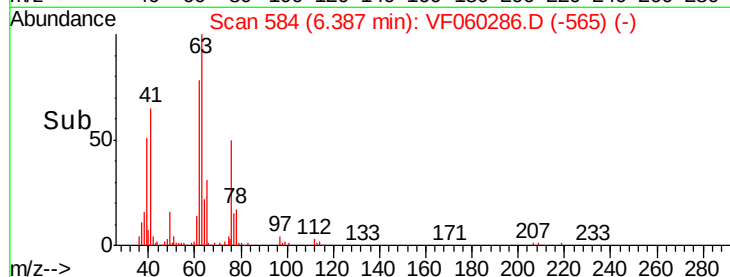
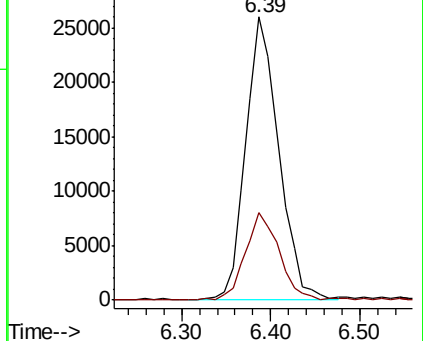
63 100

65 31.1 26.2 39.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 19.737 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

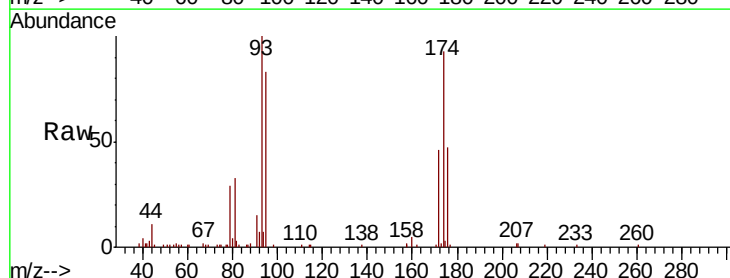
Tgt Ion: 93 Resp: 45974

Ion Ratio Lower Upper

93 100

95 82.8 67.0 100.6

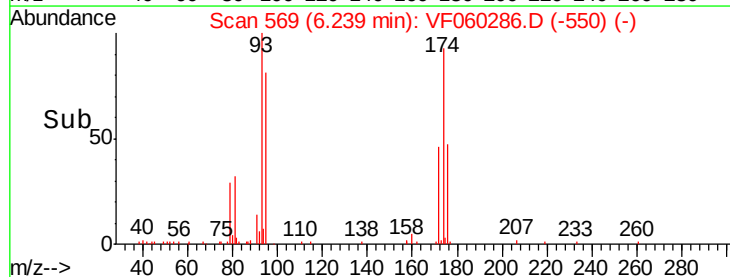
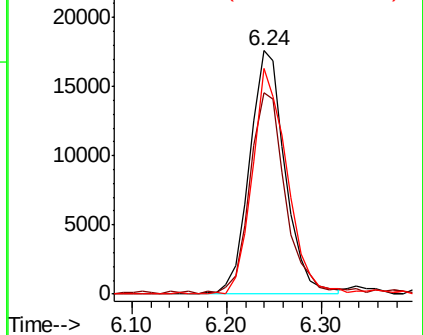
174 92.8 74.8 112.2

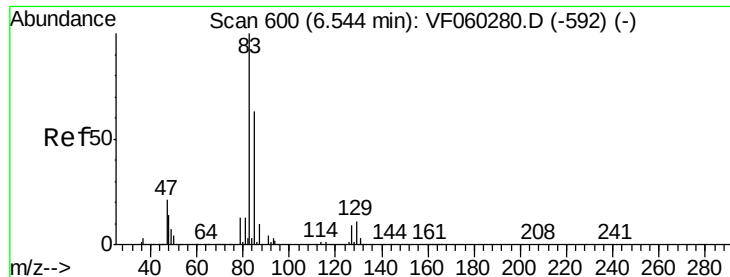


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 20.095 ug/l

RT: 6.53 min Scan# 599

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

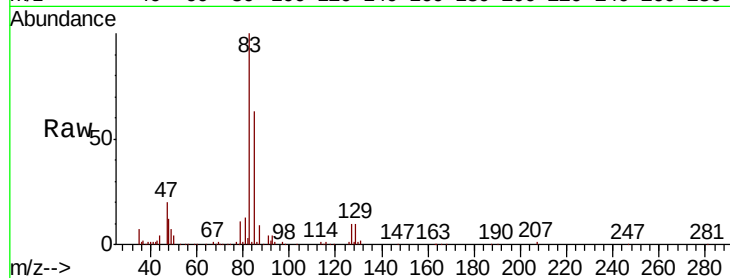
Tgt Ion: 83 Resp: 112489

Ion Ratio Lower Upper

83 100

85 63.1 50.6 76.0

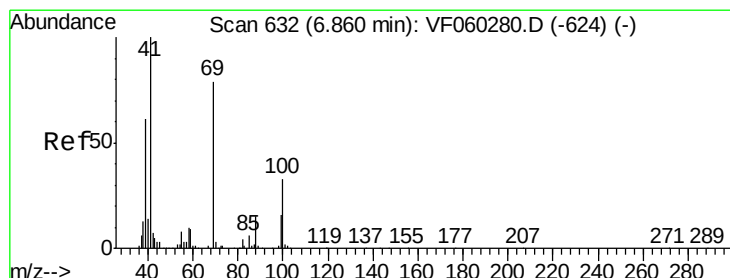
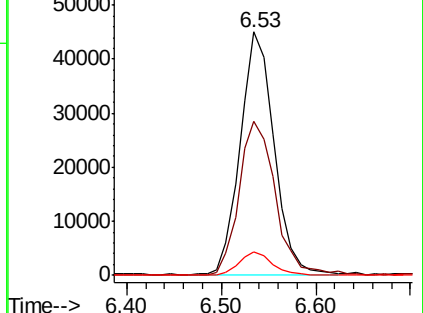
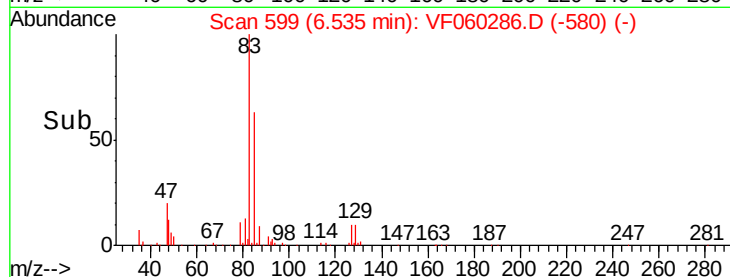
127 9.9 7.1 10.7



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: 18.449 ug/l

RT: 6.86 min Scan# 632

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

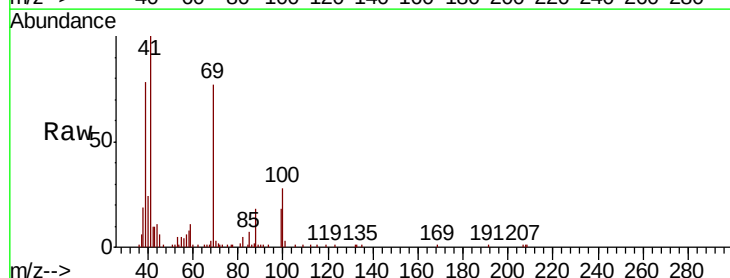
Tgt Ion: 41 Resp: 36632

Ion Ratio Lower Upper

41 100

69 76.5 62.6 94.0

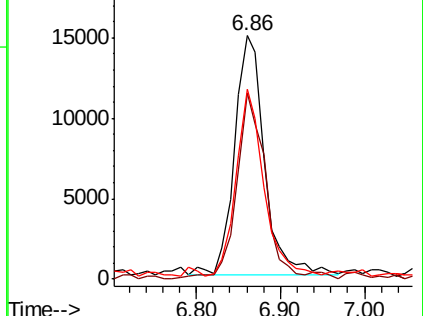
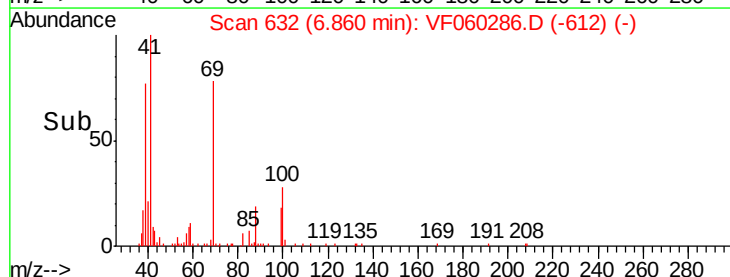
39 77.8 49.1 73.7#

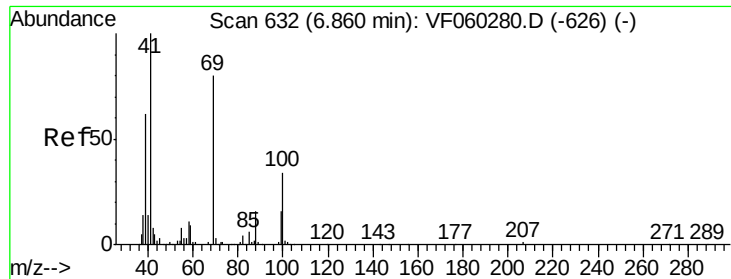


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

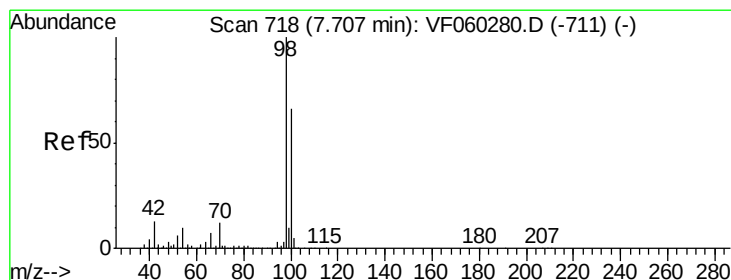
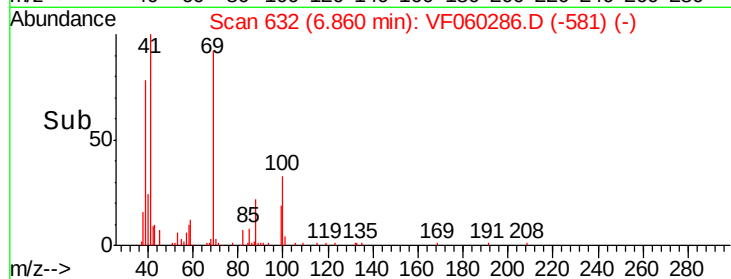
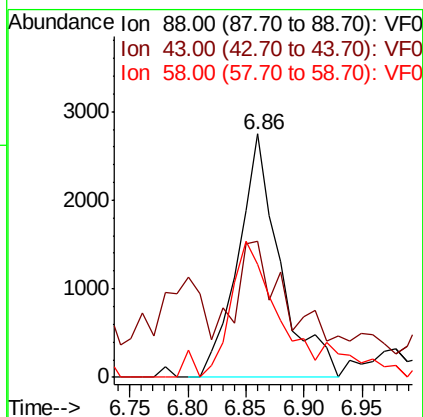
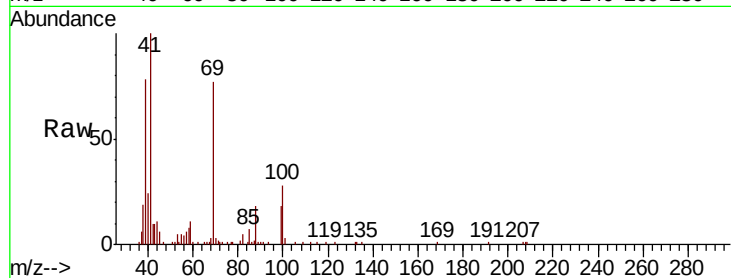




#49
 1,4-Dioxane
 Concen: 384.962 ug/l
 RT: 6.86 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

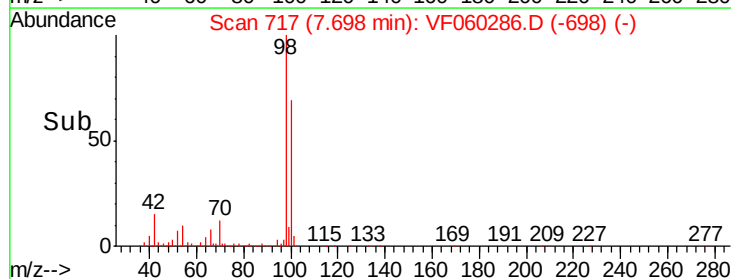
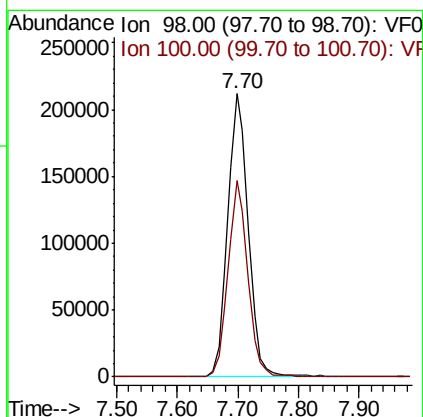
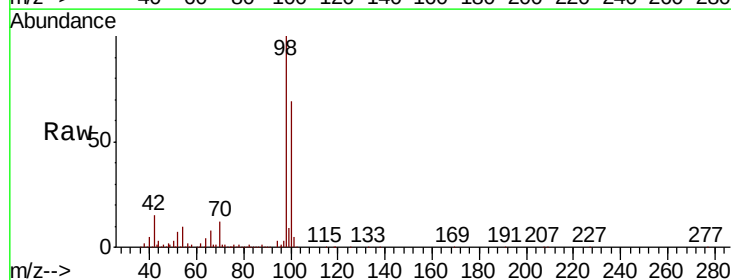
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

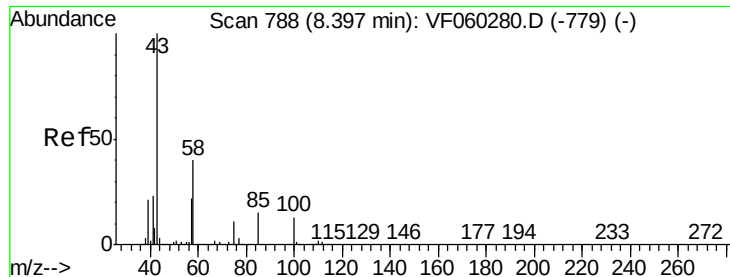
Tgt Ion: 88 Resp: 6829
 Ion Ratio Lower Upper
 88 100
 43 55.8 40.2 60.4
 58 46.4 56.7 85.1#



#50
 Toluene-d8
 Concen: 48.408 ug/l
 RT: 7.70 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

Tgt Ion: 98 Resp: 500284
 Ion Ratio Lower Upper
 98 100
 100 69.5 53.0 79.6

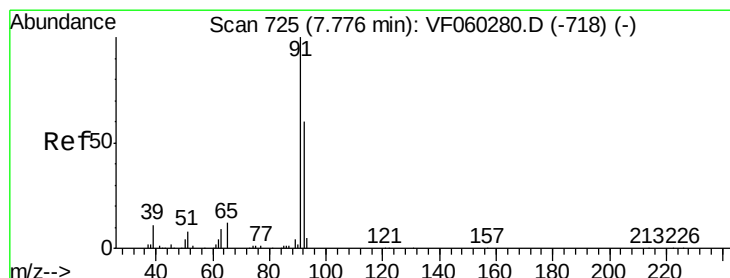
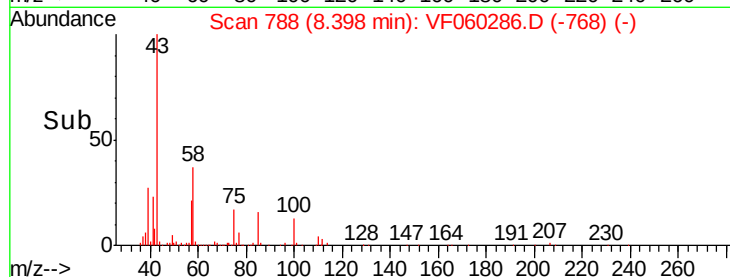
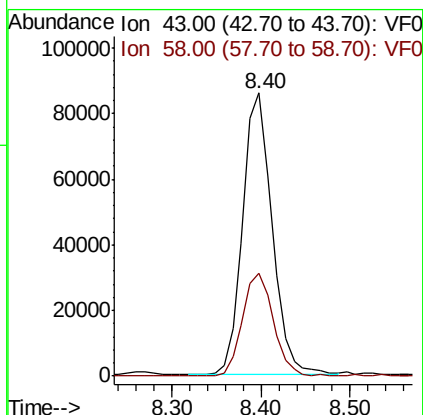
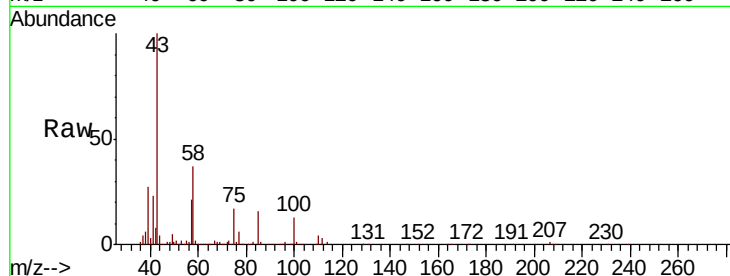




#51
 4-Methyl-2-Pentanone
 Concen: 90.518 ug/l
 RT: 8.40 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

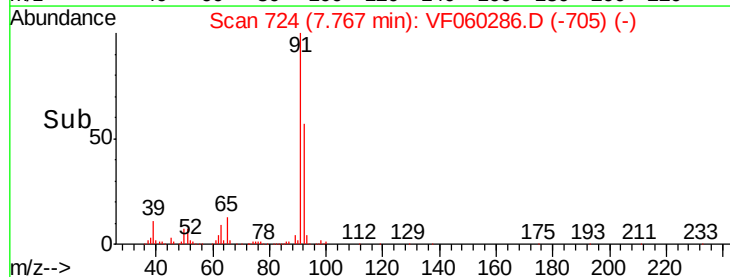
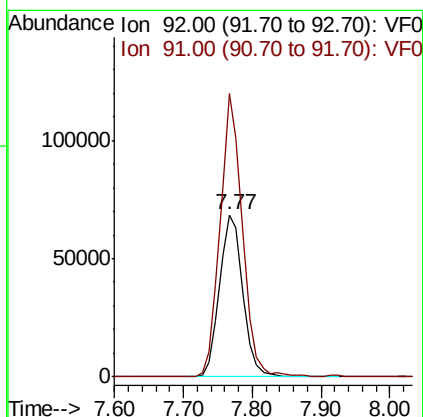
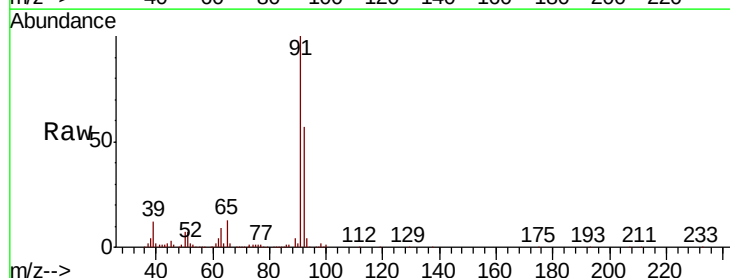
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

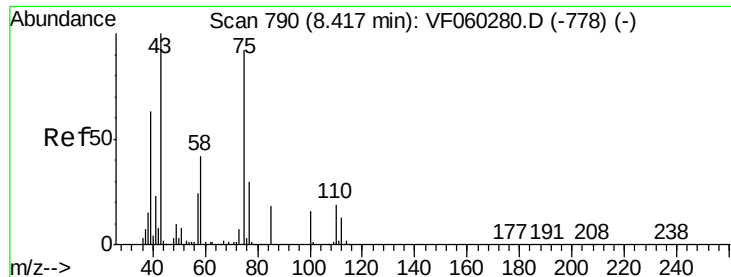
Tgt Ion: 43 Resp: 197341
 Ion Ratio Lower Upper
 43 100
 58 36.6 31.8 47.8



#52
 Toluene
 Concen: 20.153 ug/l
 RT: 7.77 min Scan# 724
 Delta R.T. -0.01 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

Tgt Ion: 92 Resp: 160534
 Ion Ratio Lower Upper
 92 100
 91 175.0 133.3 199.9





#53

t-1,3-Dichloropropene

Concen: 19.611 ug/l

RT: 8.42 min Scan# 790

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

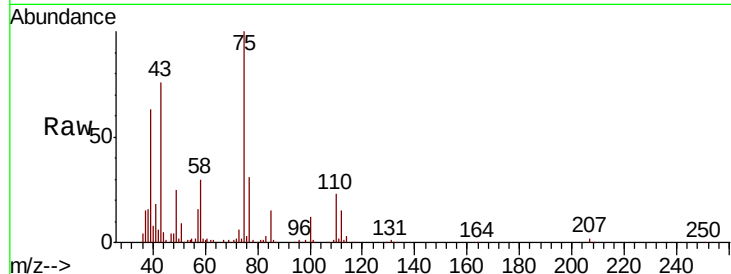
VF0919SBS01

Tgt Ion: 75 Resp: 88551

Ion Ratio Lower Upper

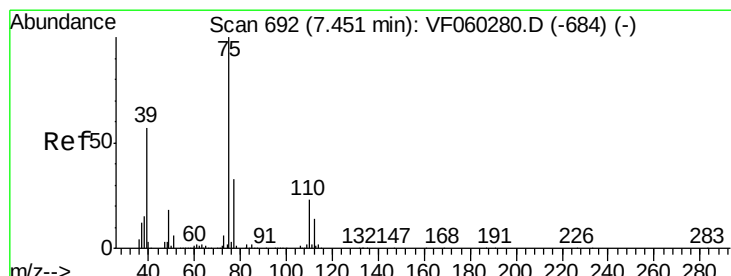
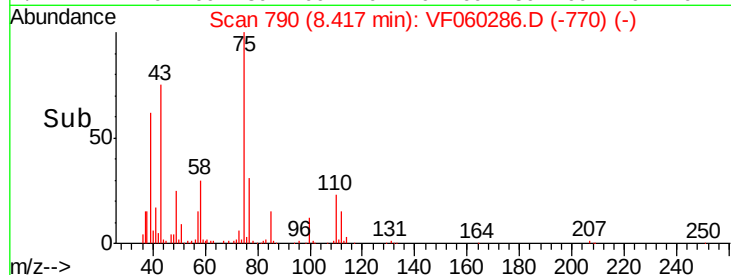
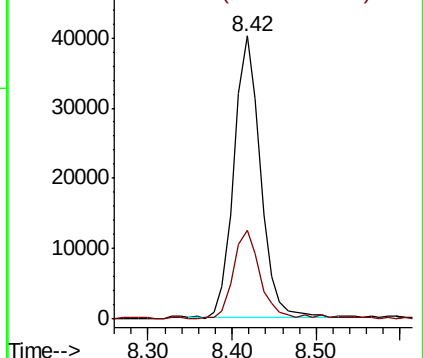
75 100

77 31.2 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 19.847 ug/l

RT: 7.44 min Scan# 691

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

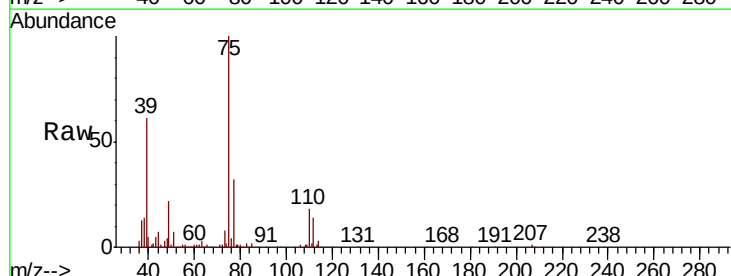
Tgt Ion: 75 Resp: 112892

Ion Ratio Lower Upper

75 100

77 31.6 26.3 39.5

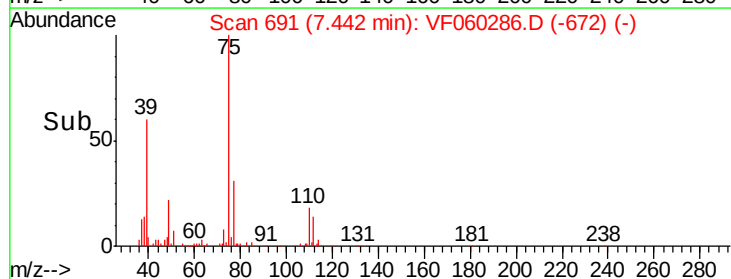
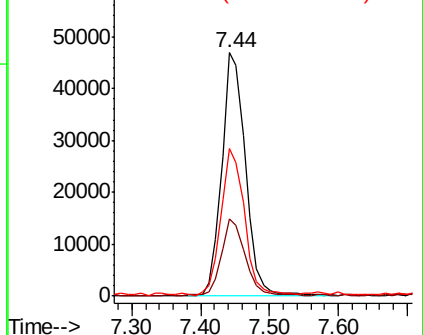
39 60.8 46.1 69.1

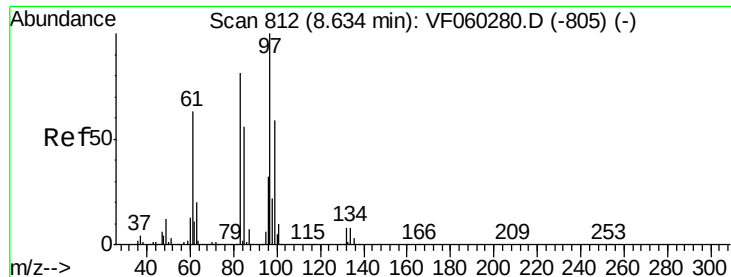


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 20.157 ug/l

RT: 8.62 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

Tgt Ion: 97 Resp: 48732

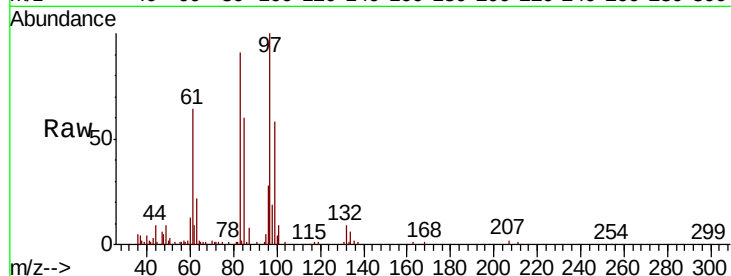
Ion Ratio Lower Upper

97 100

83 91.5 65.3 97.9

85 60.1 44.7 67.1

99 57.6 47.0 70.4

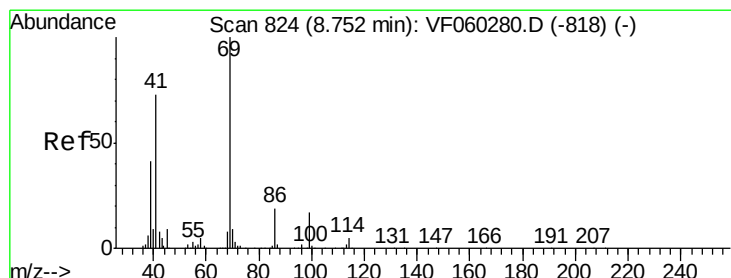
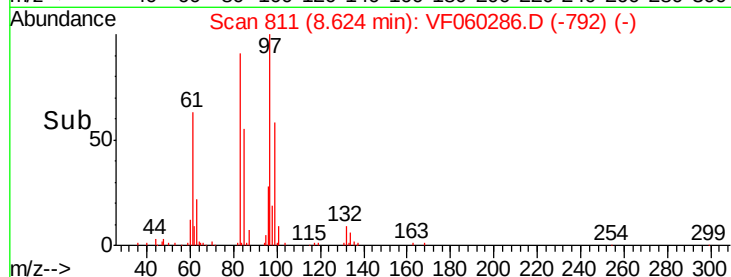
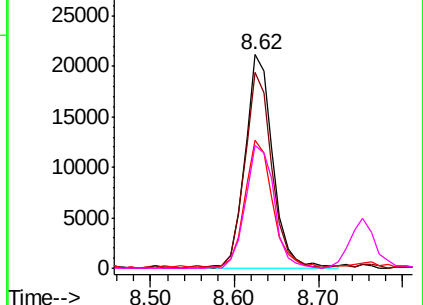


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 18.930 ug/l

RT: 8.75 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

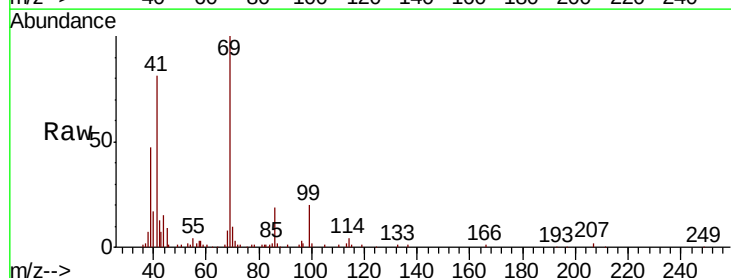
Tgt Ion: 69 Resp: 55272

Ion Ratio Lower Upper

69 100

41 81.0 59.4 89.2

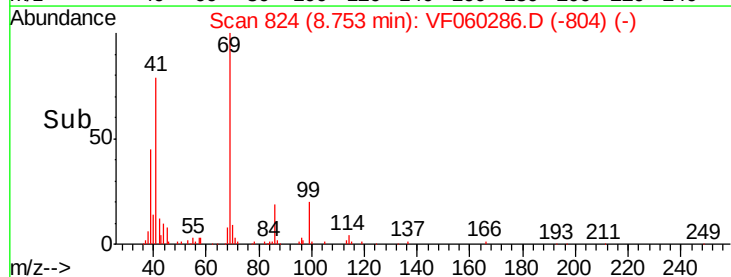
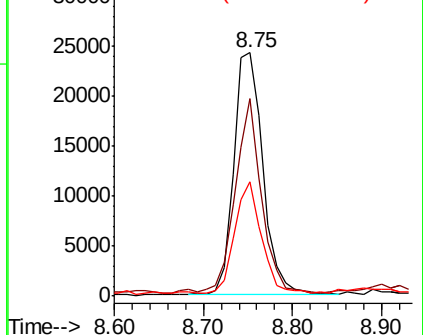
39 46.8 33.5 50.3

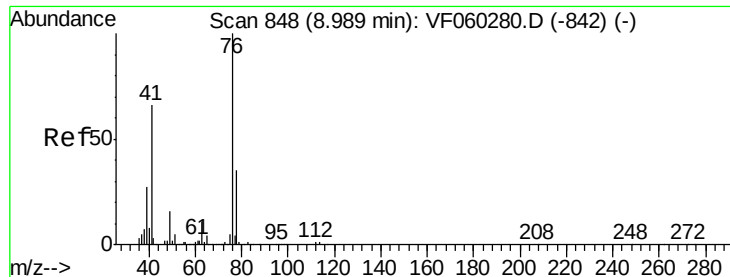


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.739 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

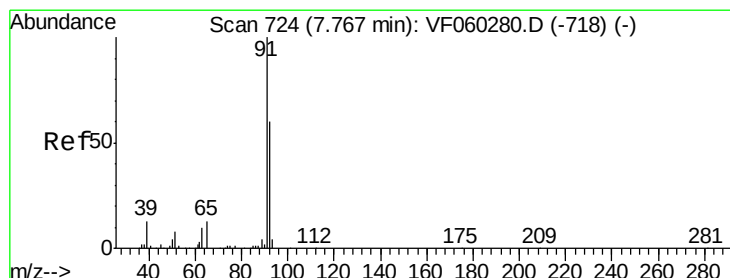
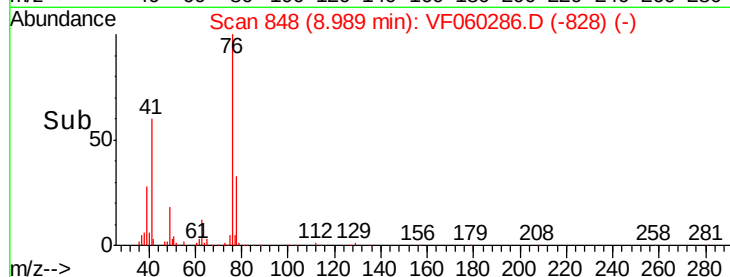
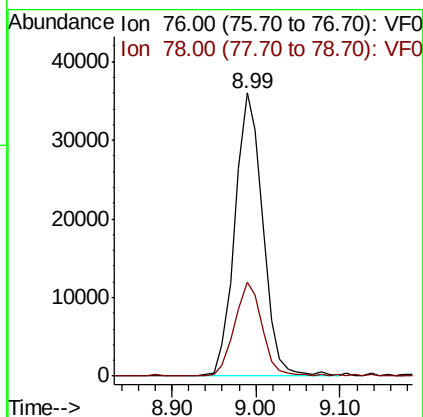
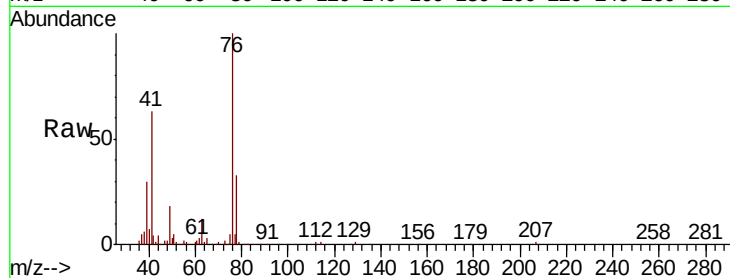
VF0919SBS01

Tgt Ion: 76 Resp: 83020

Ion Ratio Lower Upper

76 100

78 33.2 28.2 42.2



#58

2-Chloroethyl Vinyl ether

Concen: 98.863 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.00 min

Lab File: VF060286.D

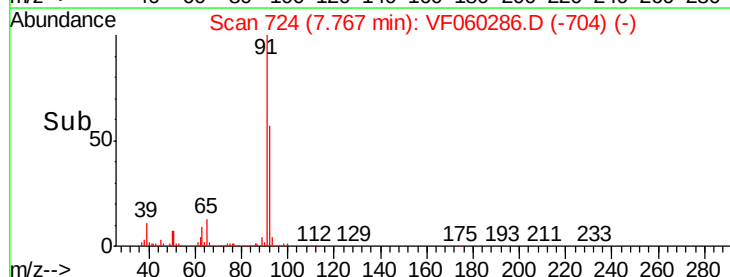
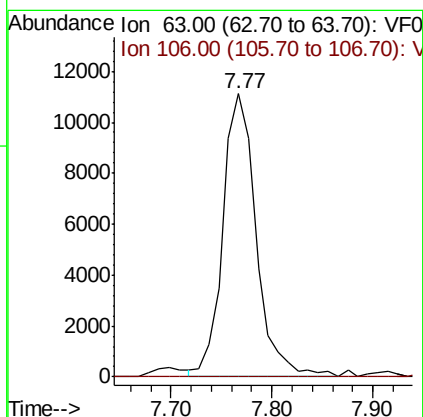
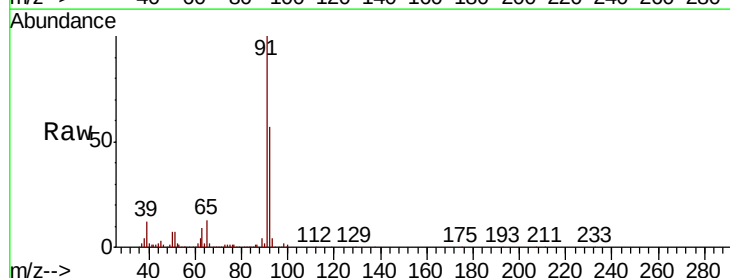
Acq: 19 Sep 2018 18:35

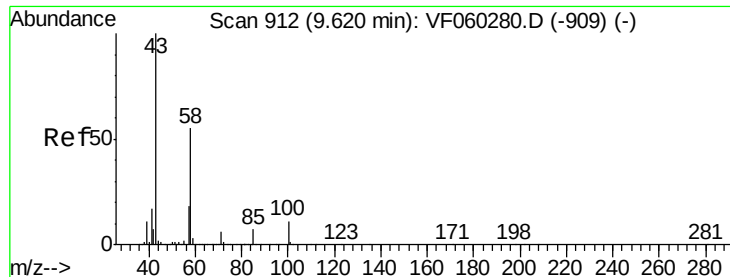
Tgt Ion: 63 Resp: 25519

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

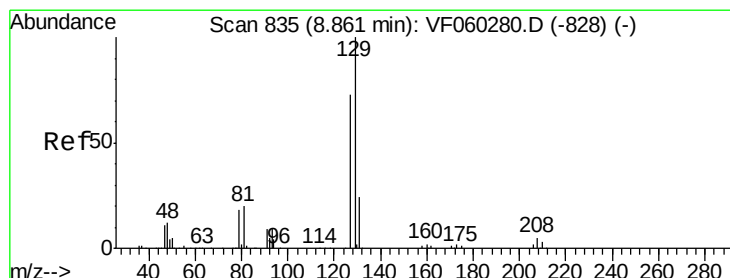
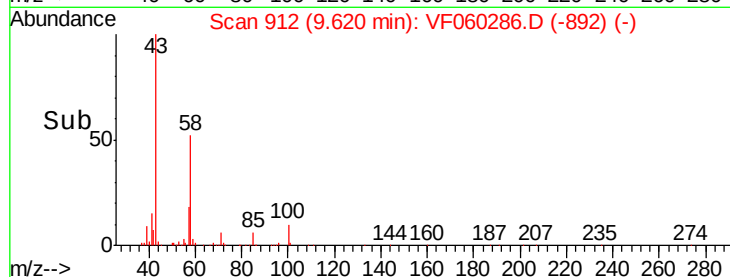
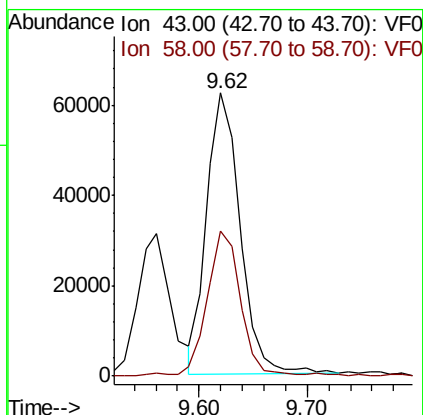
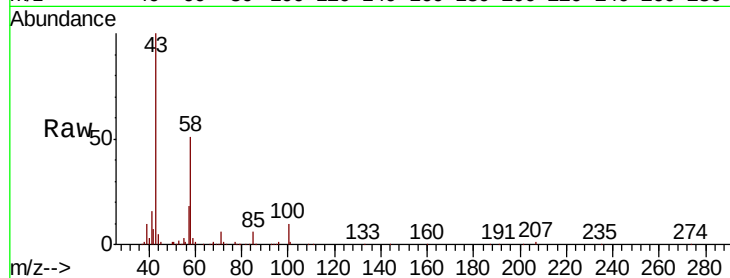




#59
2-Hexanone
Concen: 85.930 ug/l
RT: 9.62 min Scan# 912
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

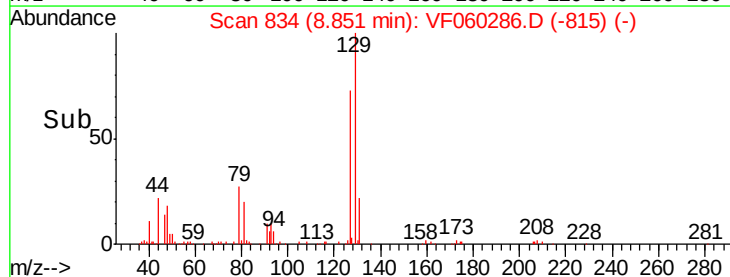
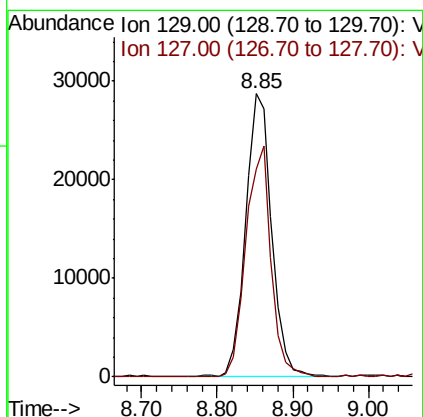
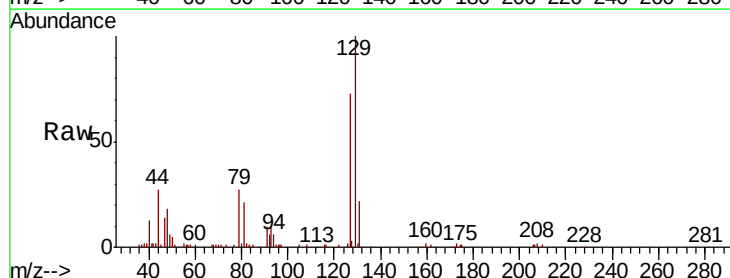
Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

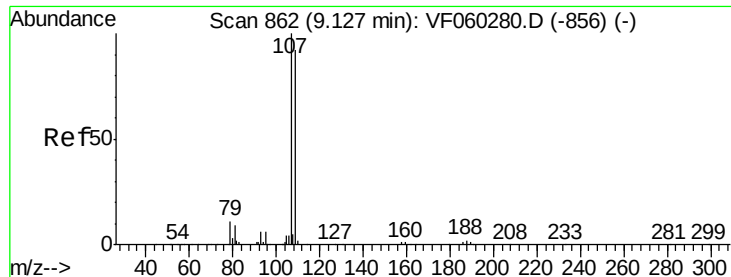
Tgt Ion: 43 Resp: 133387
Ion Ratio Lower Upper
43 100
58 51.1 25.9 77.6



#60
Dibromochloromethane
Concen: 19.111 ug/l
RT: 8.85 min Scan# 834
Delta R.T. -0.01 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion: 129 Resp: 68865
Ion Ratio Lower Upper
129 100
127 76.8 36.6 109.8





#61

1,2-Dibromoethane

Concen: 19.782 ug/l

RT: 9.13 min Scan# 862

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

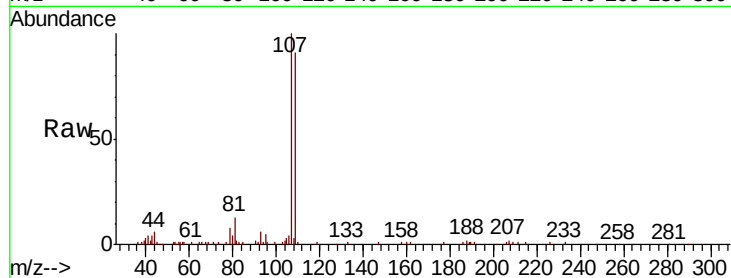
VF0919SBS01

Tgt Ion: 107 Resp: 53258

Ion Ratio Lower Upper

107 100

109 91.4 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.13

25000

20000

15000

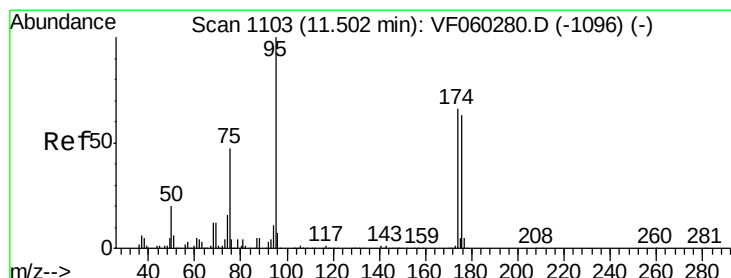
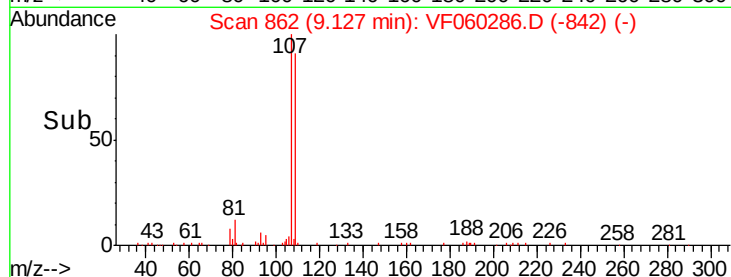
10000

5000

0

Time-->

9.00 9.10 9.20 9.30



#62

4-Bromofluorobenzene

Concen: 47.789 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

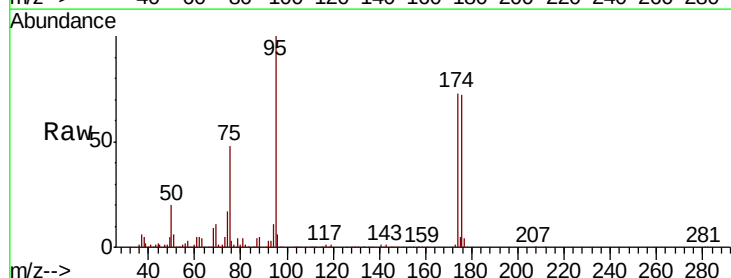
Tgt Ion: 95 Resp: 213490

Ion Ratio Lower Upper

95 100

174 73.3 0.0 131.2

176 71.9 0.0 126.6



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

150000

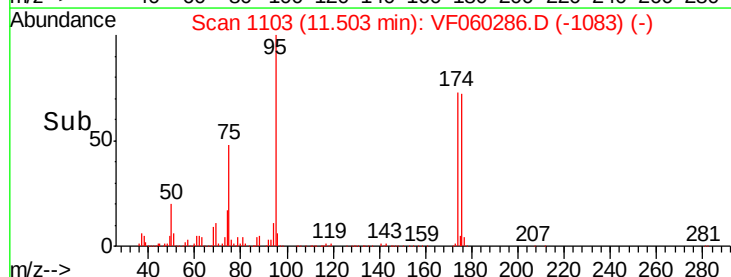
100000

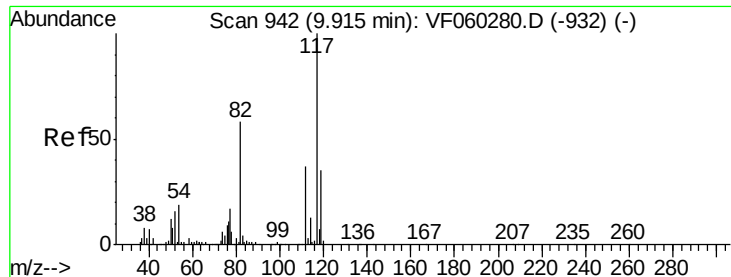
50000

0

Time-->

11.40 11.50 11.60

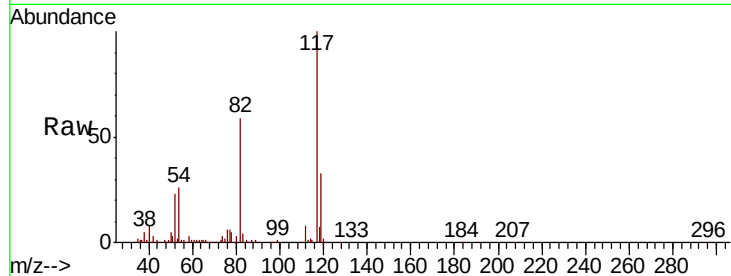




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.4	46.2	69.2
119	32.9	27.8	41.6

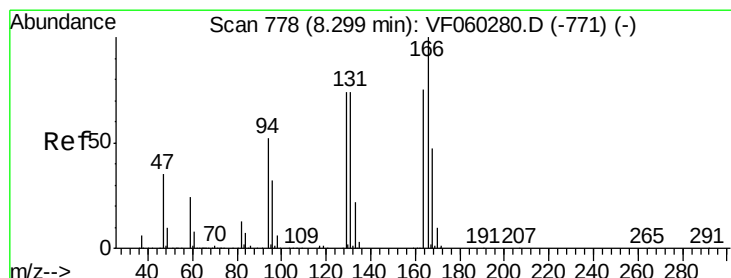
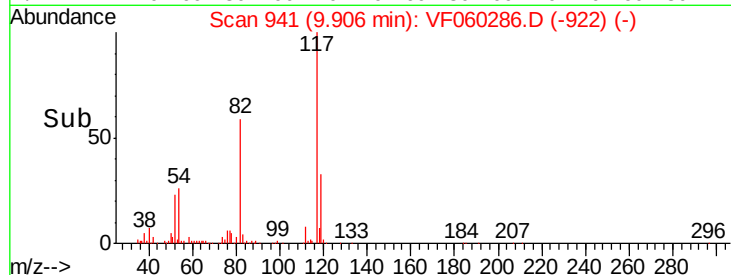
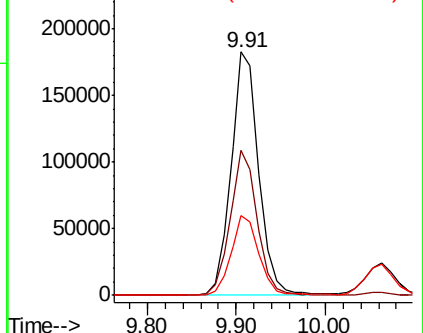


Abundance

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: 19.171 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	106.8	160.2
129	95.1	78.8	118.2
131	95.9	78.7	118.1

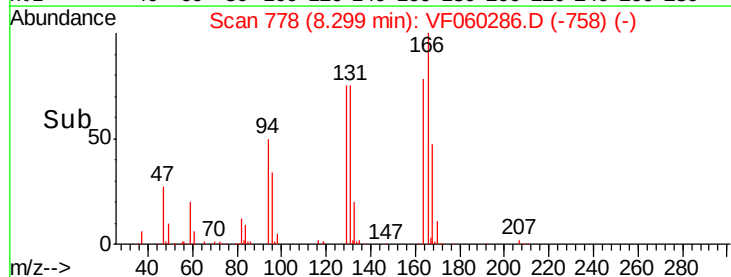
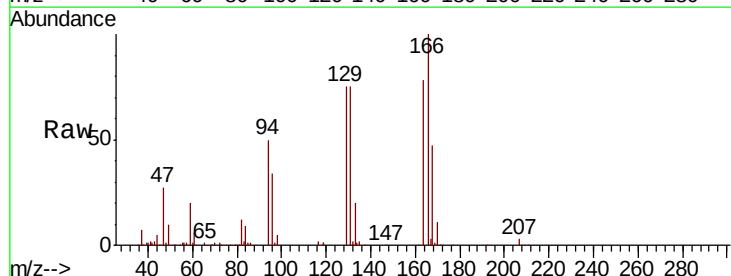
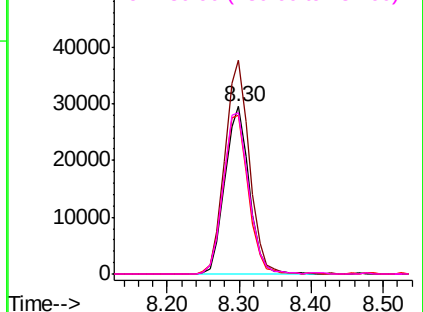
Abundance

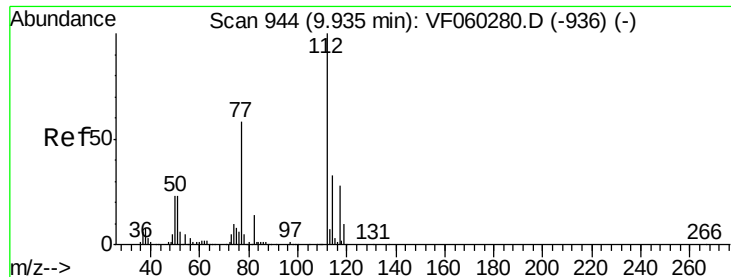
Ion 163.85 (163.55 to 164.55): V

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

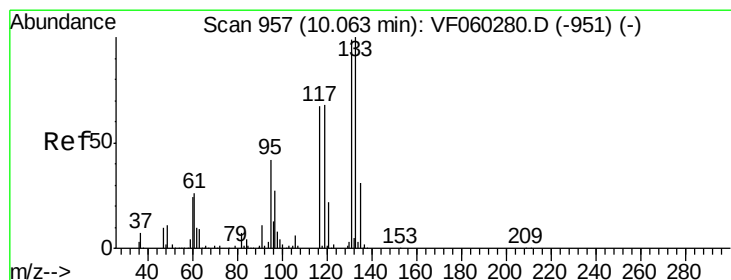
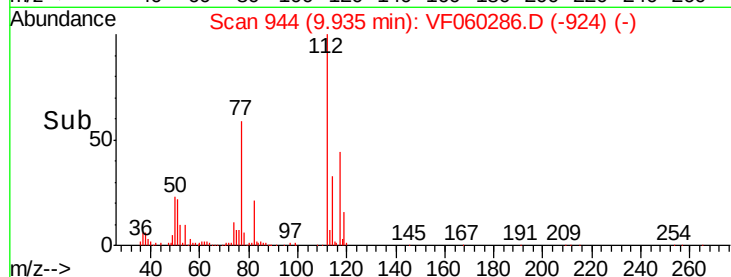
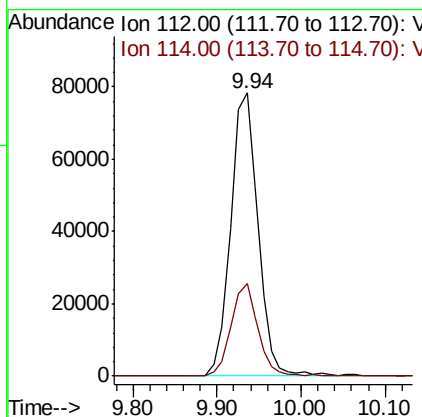
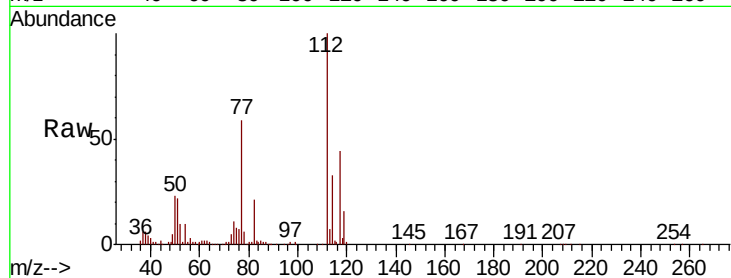




#65
Chlorobenzene
Concen: 19.689 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

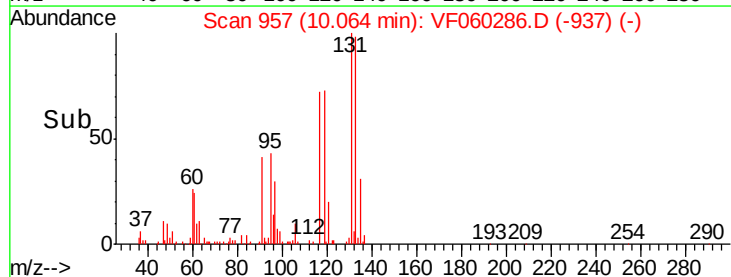
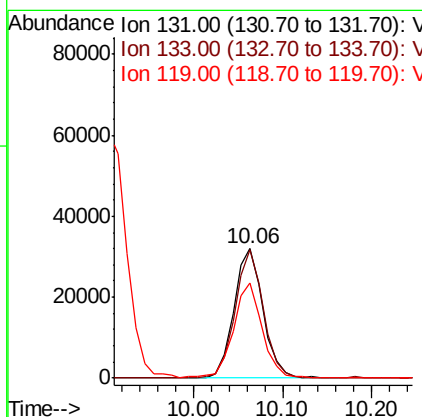
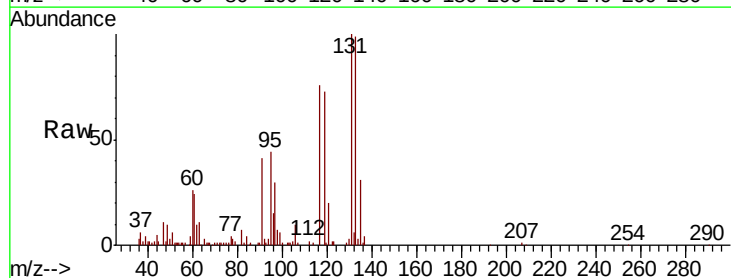
Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

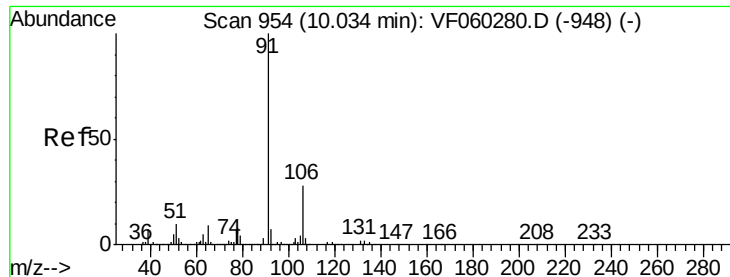
Tgt Ion:112 Resp: 177065
Ion Ratio Lower Upper
112 100
114 32.7 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.400 ug/l
RT: 10.06 min Scan# 957
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion:131 Resp: 72403
Ion Ratio Lower Upper
131 100
133 98.7 50.4 151.2
119 73.2 34.8 104.3





#67

Ethyl Benzene

Concen: 19.933 ug/l

RT: 10.03 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

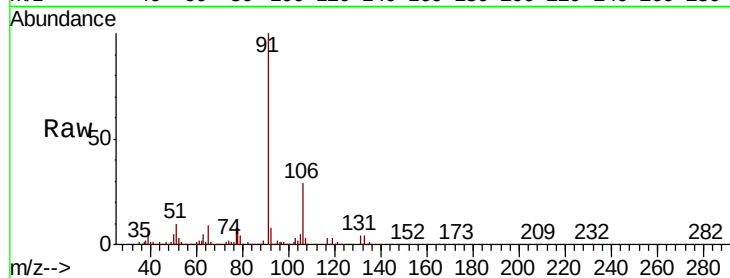
VF0919SBS01

Tgt Ion: 91 Resp: 331445

Ion Ratio Lower Upper

91 100

106 29.0 22.7 34.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

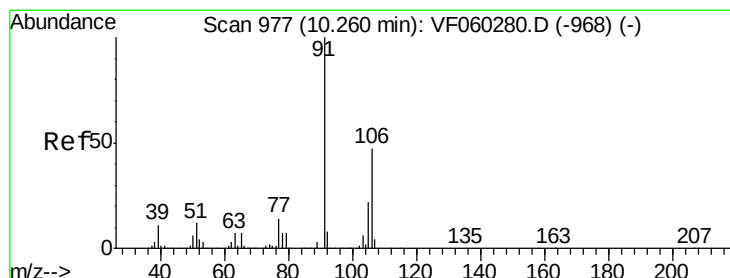
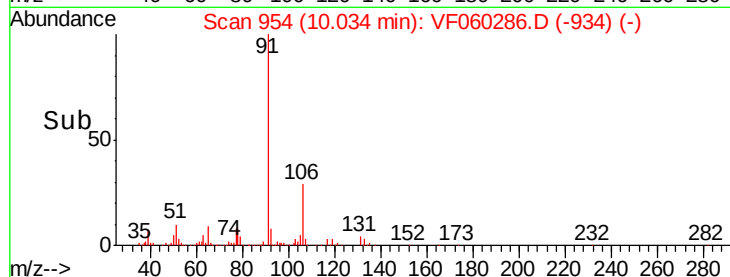
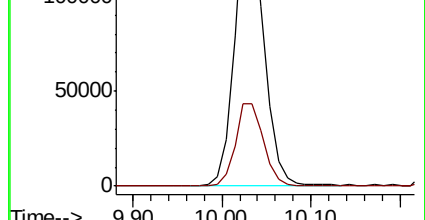
150000

100000

50000

0

9.90 10.00 10.10



#68

m/p-Xylenes

Concen: 40.841 ug/l

RT: 10.26 min Scan# 977

Delta R.T. 0.00 min

Lab File: VF060286.D

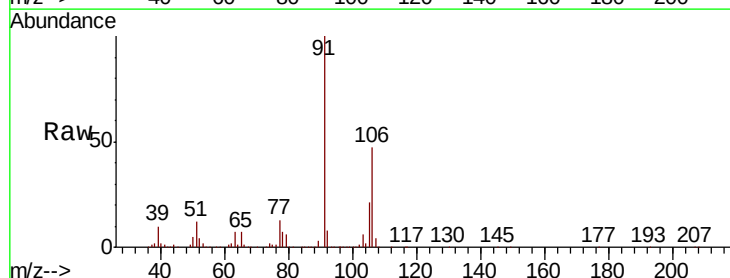
Acq: 19 Sep 2018 18:35

Tgt Ion: 106 Resp: 234617

Ion Ratio Lower Upper

106 100

91 214.0 172.3 258.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

250000

200000

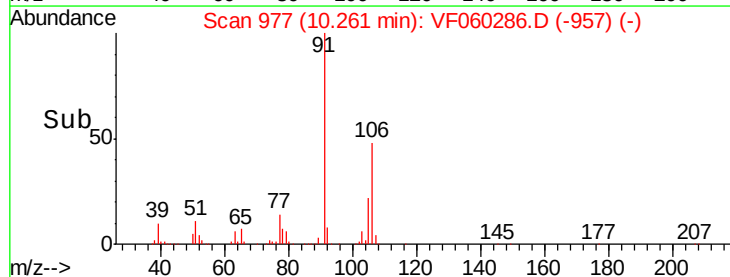
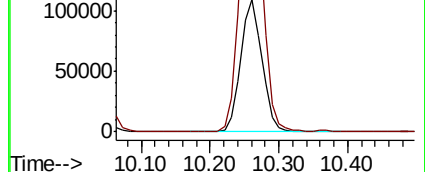
150000

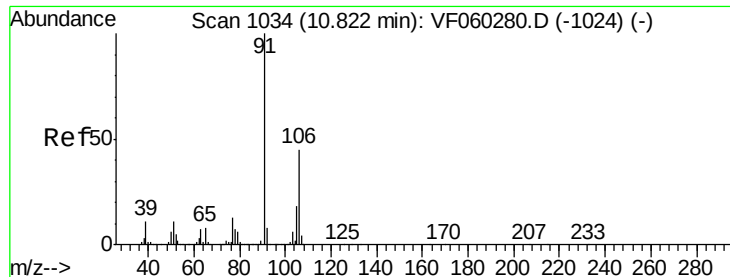
100000

50000

0

10.10 10.20 10.30 10.40

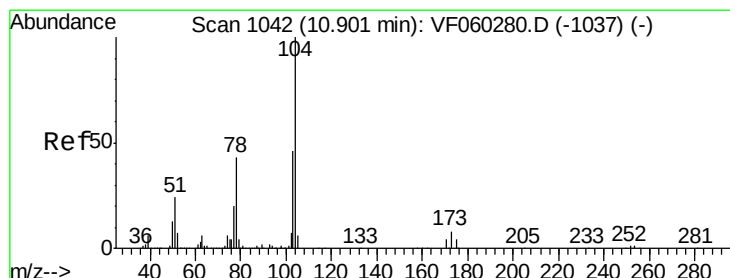
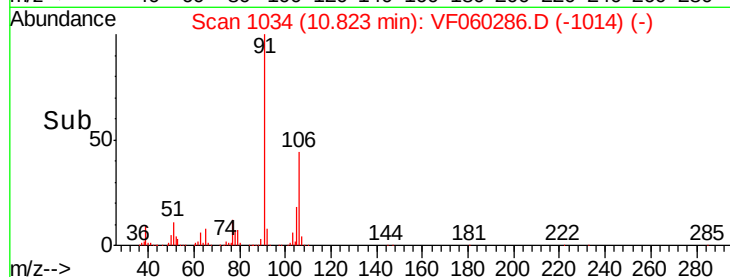
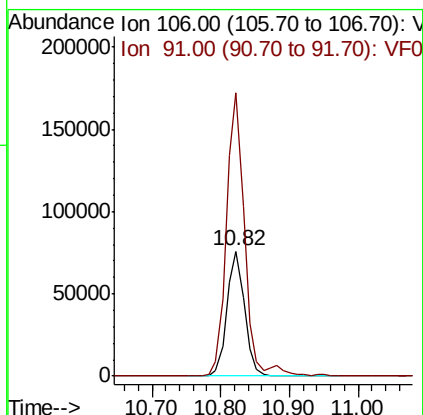
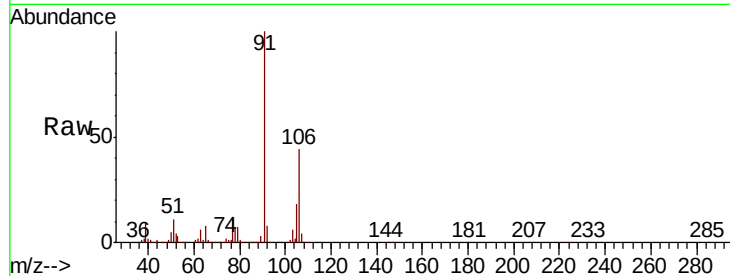




#69
o-Xylene
Concen: 21.054 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

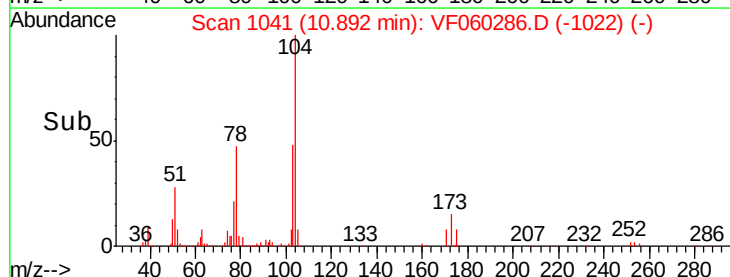
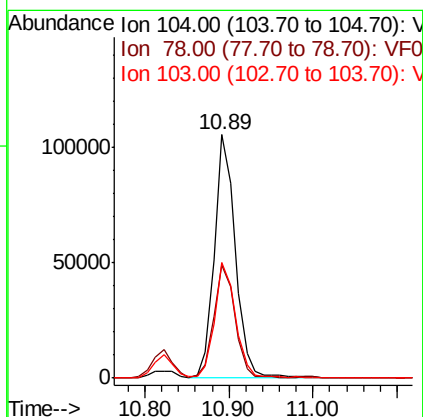
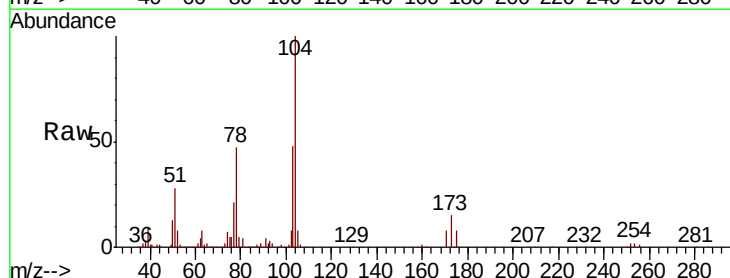
Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

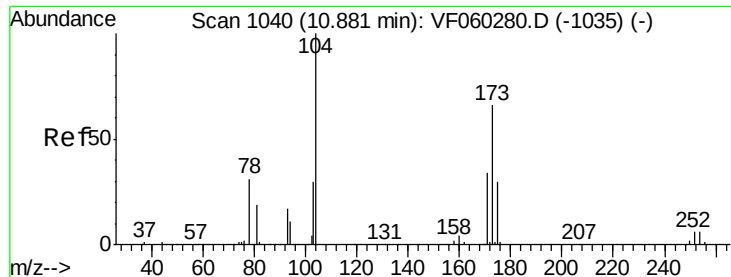
Tgt Ion:106 Resp: 135657
Ion Ratio Lower Upper
106 100
91 225.9 110.9 332.6



#70
Styrene
Concen: 20.127 ug/l
RT: 10.89 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion:104 Resp: 182896
Ion Ratio Lower Upper
104 100
78 46.6 35.0 52.6
103 47.6 37.4 56.0





#71

Bromoform

Concen: 20.732 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

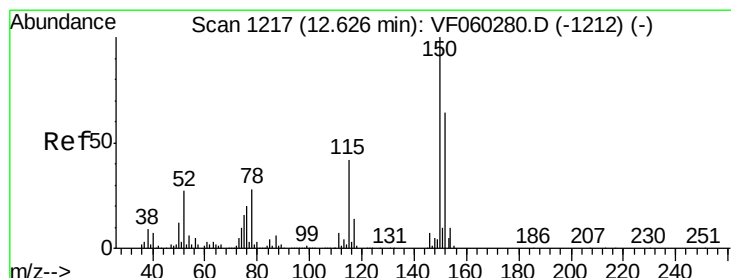
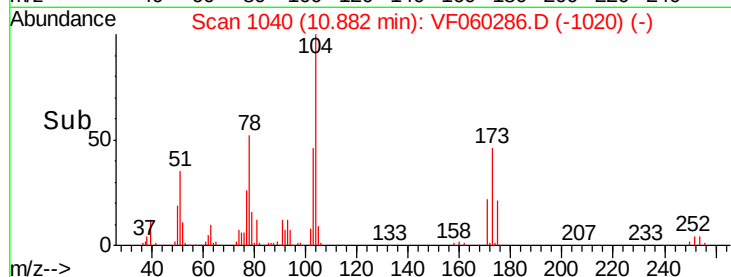
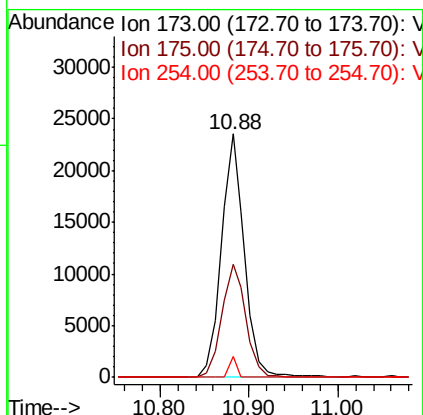
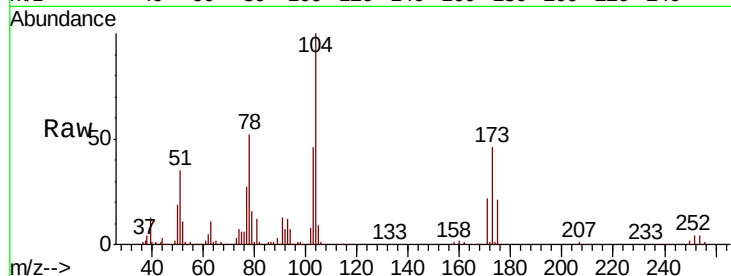
Tgt Ion:173 Resp: 42494

Ion Ratio Lower Upper

173 100

175 46.2 22.3 66.9

254 8.4 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

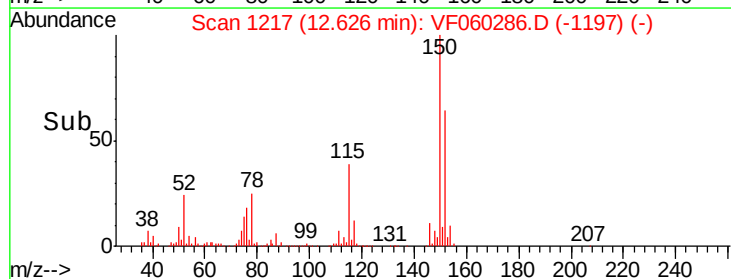
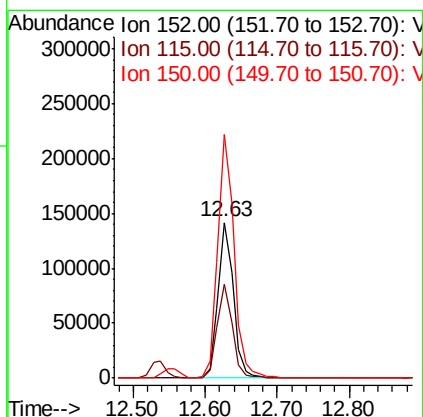
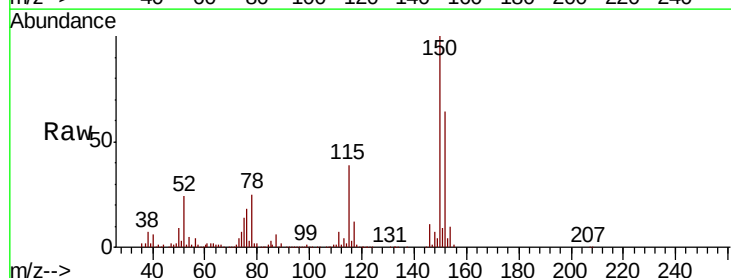
Tgt Ion:152 Resp: 208287

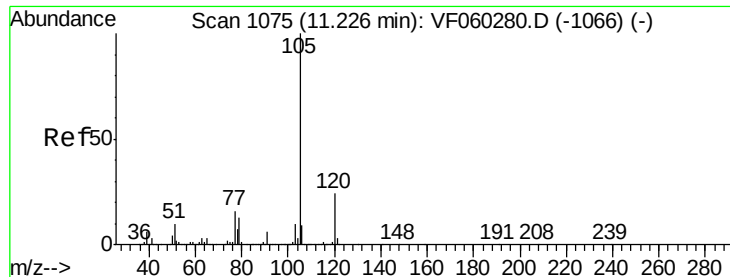
Ion Ratio Lower Upper

152 100

115 60.5 32.6 97.8

150 156.4 0.0 314.2





#73

Isopropylbenzene

Concen: 19.364 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

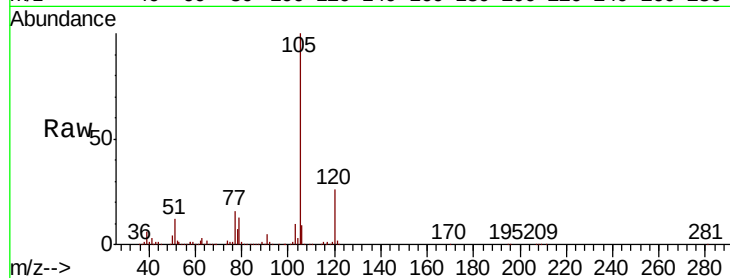
VF0919SBS01

Tgt Ion: 105 Resp: 362086

Ion Ratio Lower Upper

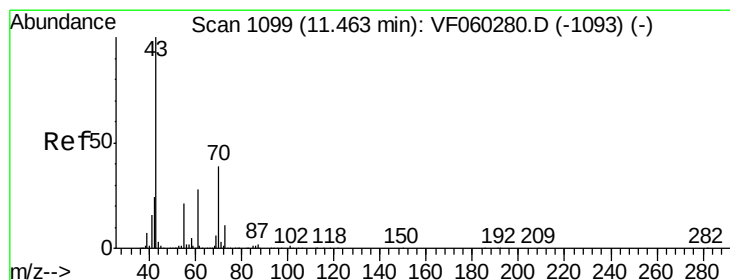
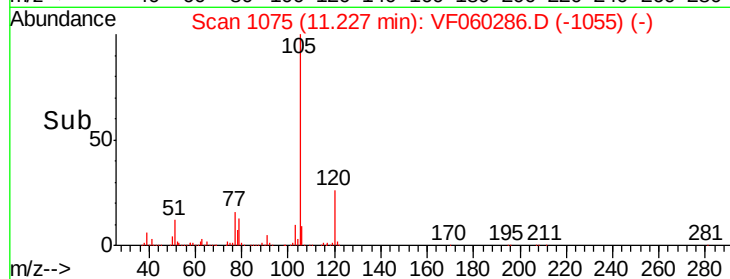
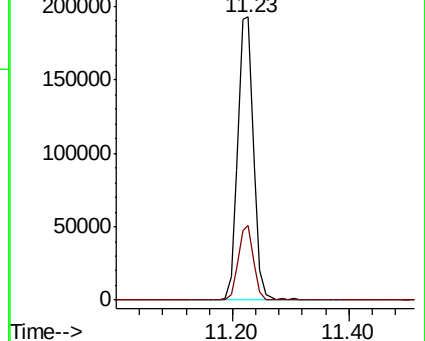
105 100

120 26.2 12.2 36.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.689 ug/l

RT: 11.45 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Tgt Ion: 43 Resp: 70533

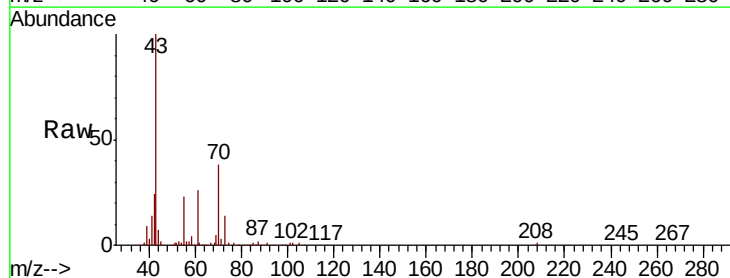
Ion Ratio Lower Upper

43 100

70 38.5 31.4 47.2

55 23.2 16.8 25.2

61 26.3 22.6 34.0

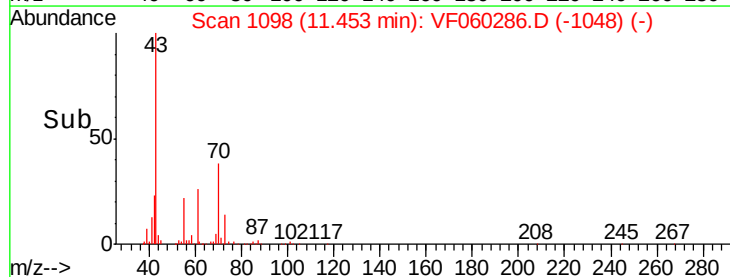
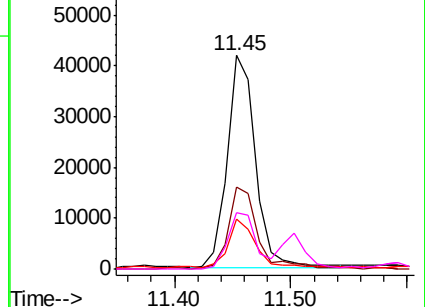


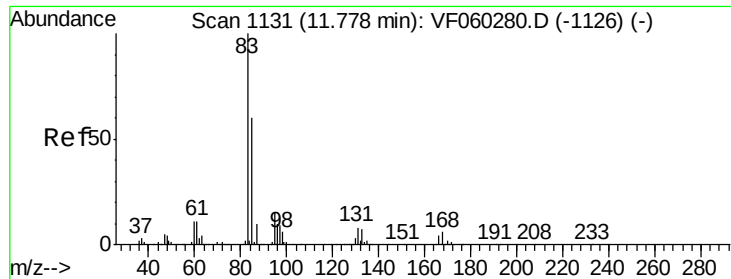
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.286 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

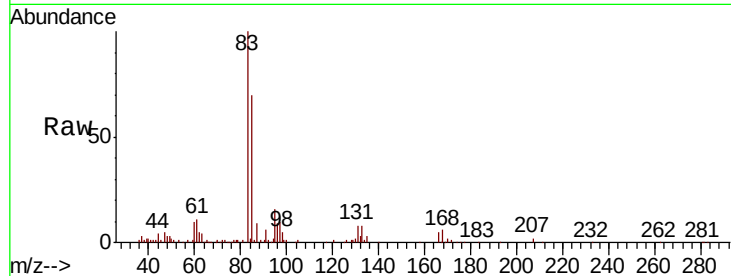
Tgt Ion: 83 Resp: 67222

Ion Ratio Lower Upper

83 100

131 8.0 4.2 12.4

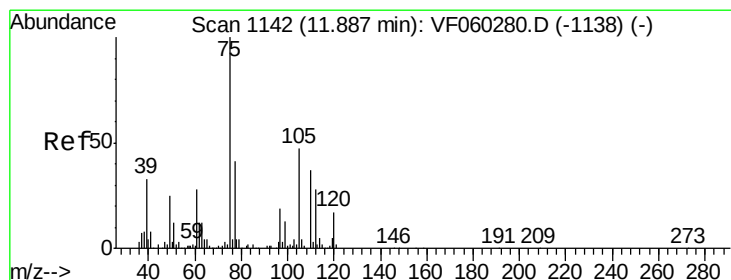
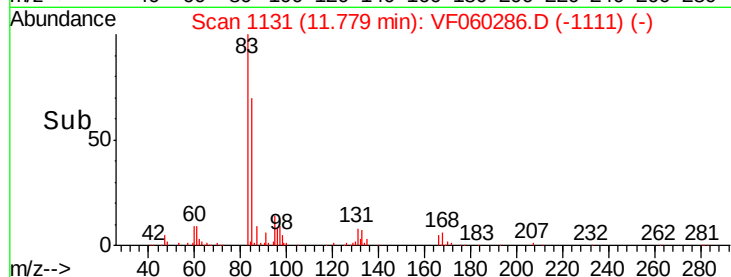
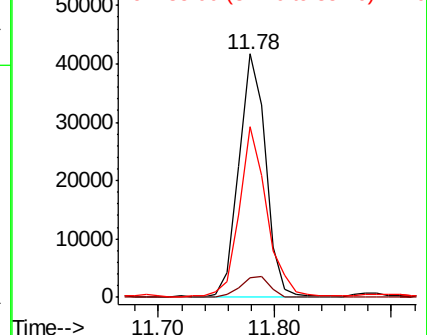
85 70.1 30.1 90.5



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: 18.926 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060286.D

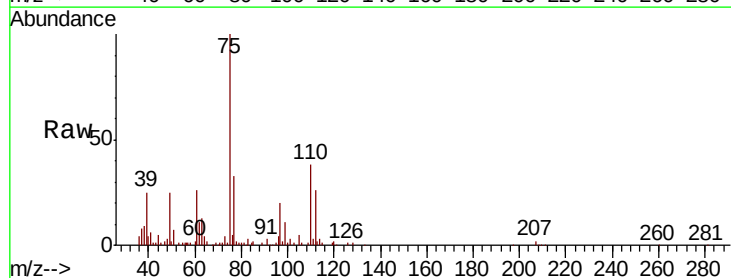
Acq: 19 Sep 2018 18:35

Tgt Ion: 75 Resp: 44905

Ion Ratio Lower Upper

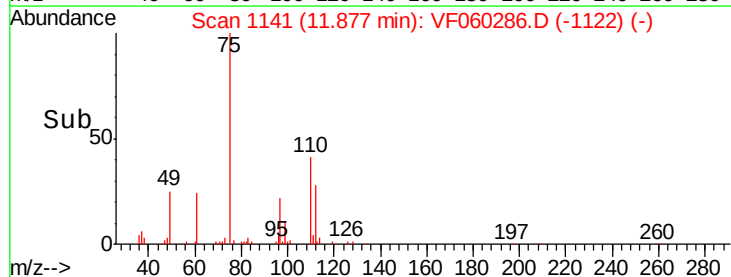
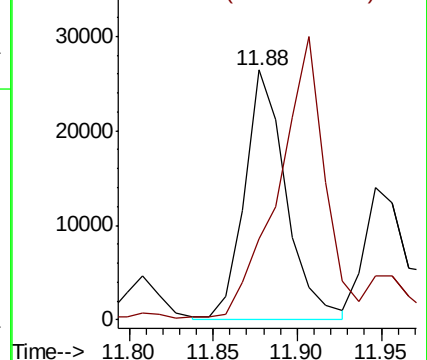
75 100

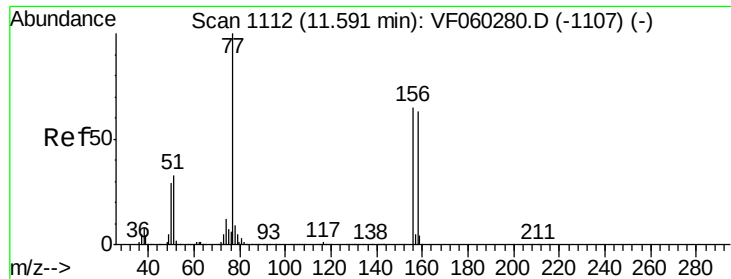
77 32.6 20.5 61.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 19.578 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

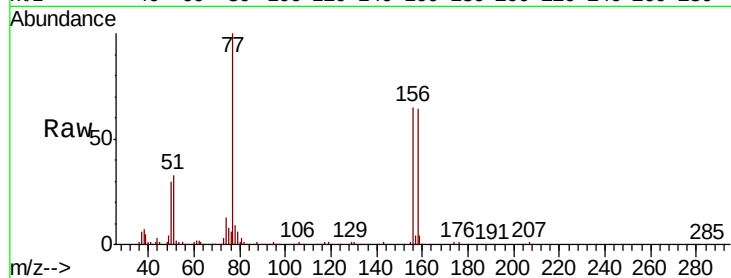
Tgt Ion:156 Resp: 78895

Ion Ratio Lower Upper

156 100

77 153.9 77.3 232.1

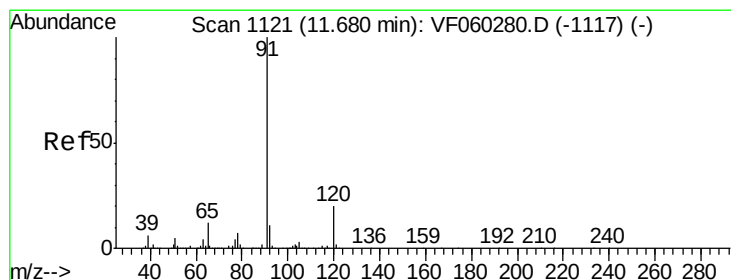
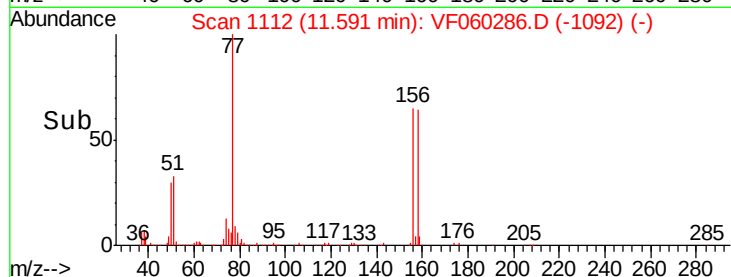
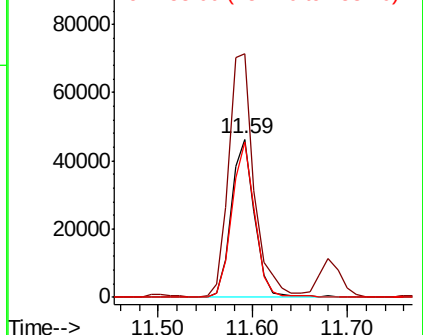
158 97.8 48.4 145.2



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: 19.149 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF060286.D

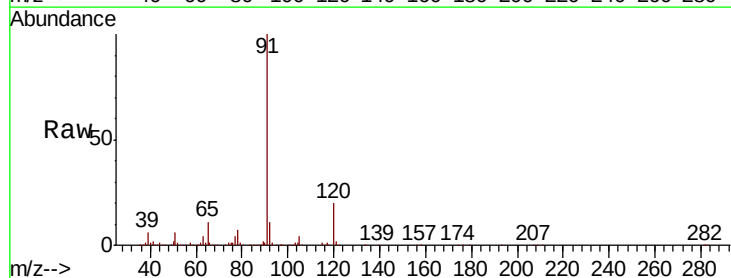
Acq: 19 Sep 2018 18:35

Tgt Ion: 91 Resp: 447777

Ion Ratio Lower Upper

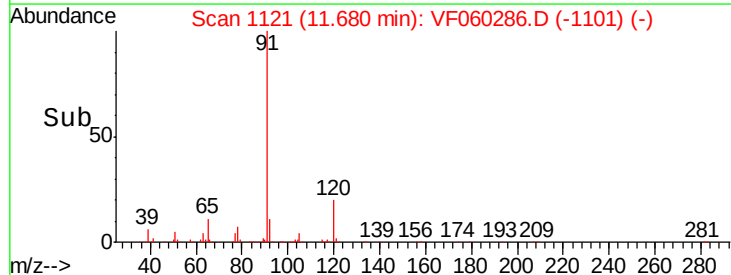
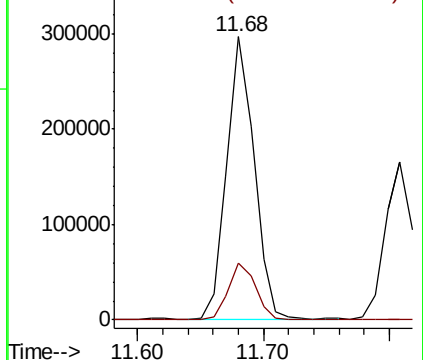
91 100

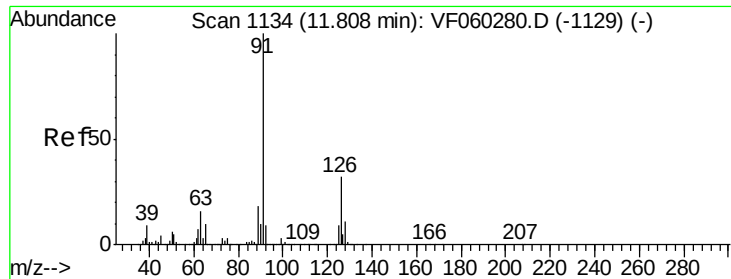
120 19.9 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.000 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

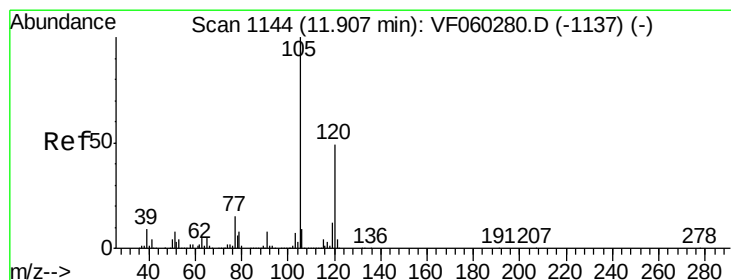
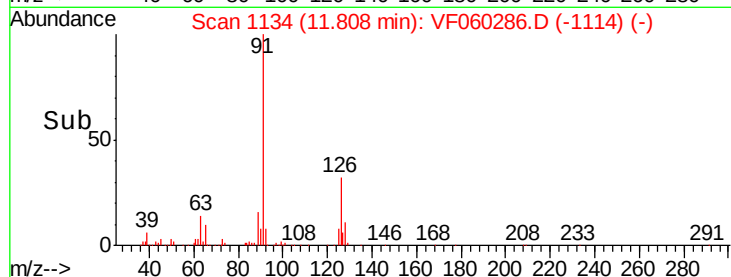
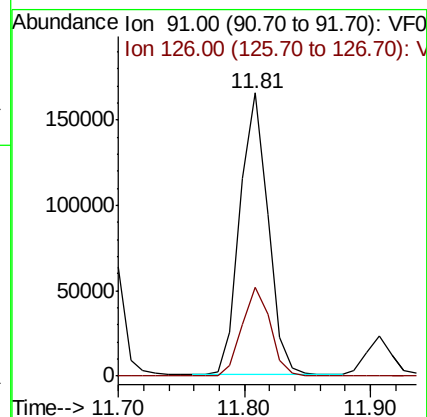
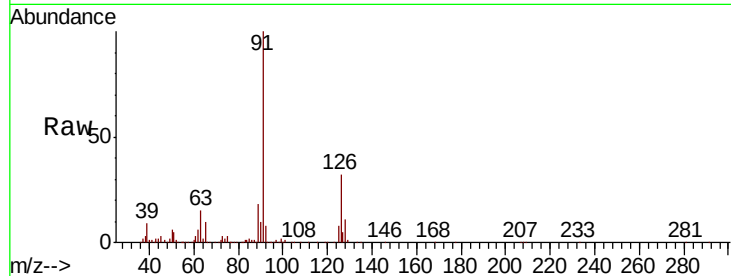
VF0919SBS01

Tgt Ion: 91 Resp: 252263

Ion Ratio Lower Upper

91 100

126 31.6 16.1 48.3



#80

1,3,5-Trimethylbenzene

Concen: 21.007 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060286.D

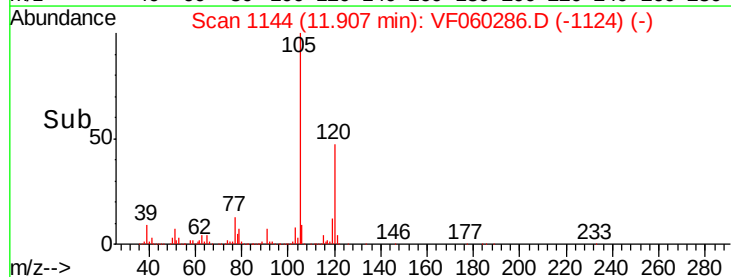
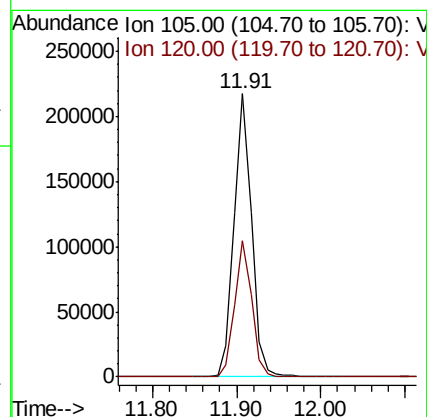
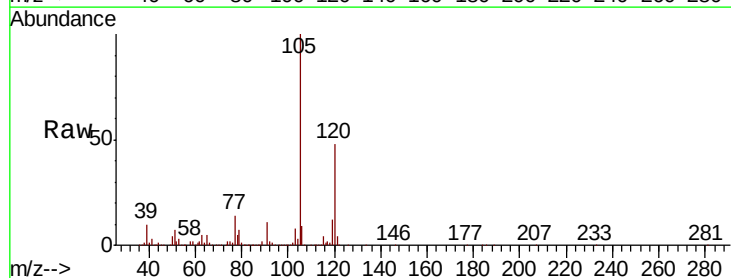
Acq: 19 Sep 2018 18:35

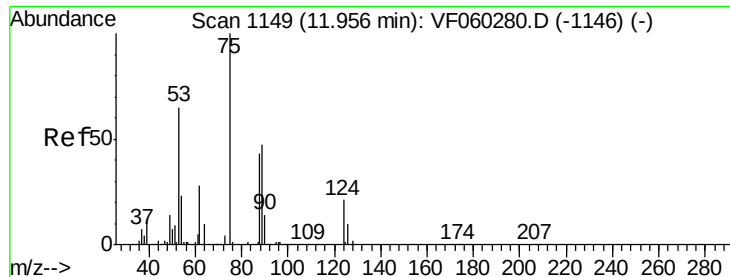
Tgt Ion: 105 Resp: 316192

Ion Ratio Lower Upper

105 100

120 48.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 25.516 ug/l

RT: 11.95 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

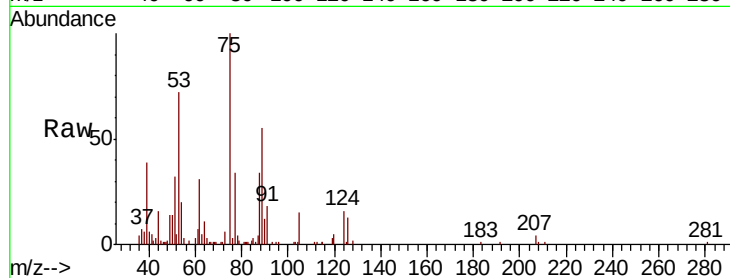
MSVOA_F

ClientSampleId :

VF0919SBS01

Tgt Ion: 75 Resp: 31995

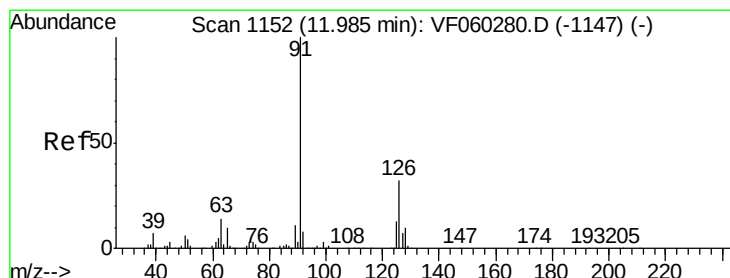
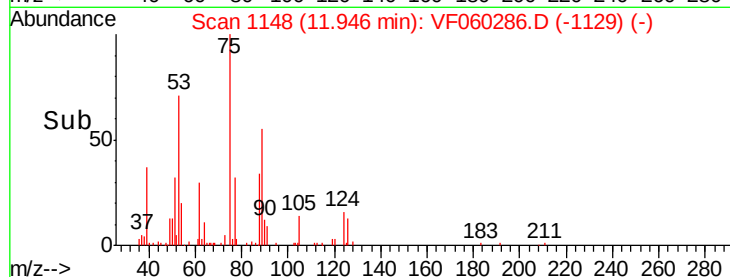
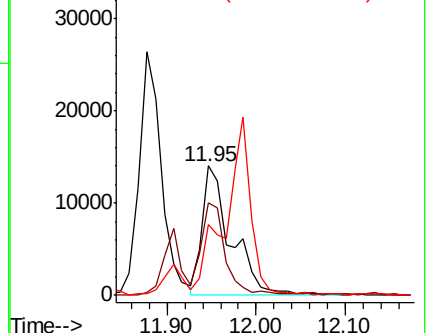
Ion	Ratio	Lower	Upper
75	100		
53	71.5	56.5	84.7
89	55.0	40.6	60.8



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: 19.995 ug/l

RT: 11.99 min Scan# 1152

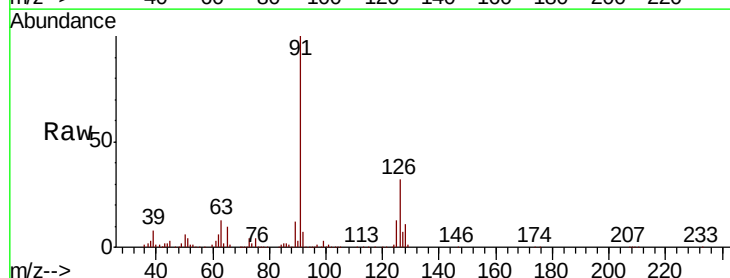
Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

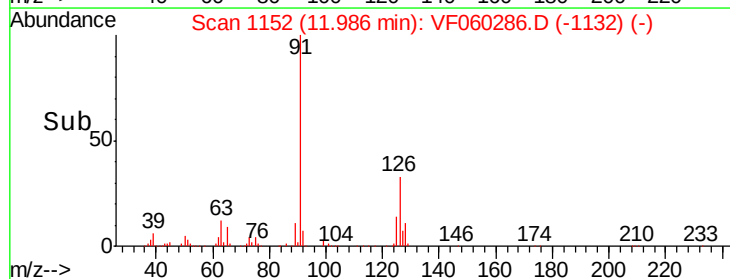
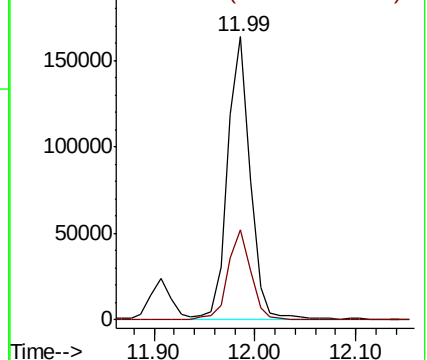
Tgt Ion: 91 Resp: 253485

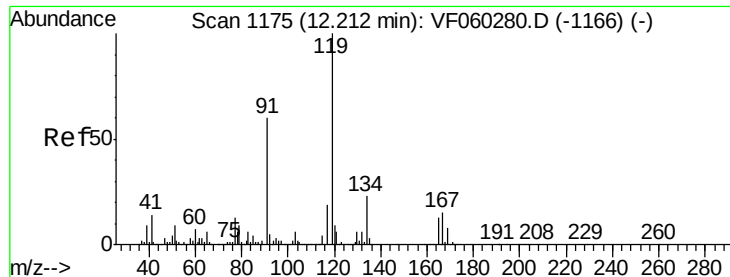
Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.1	48.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

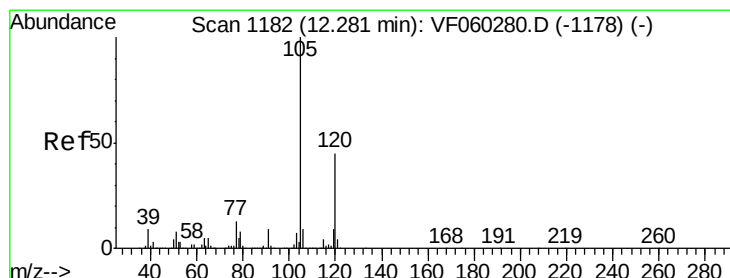
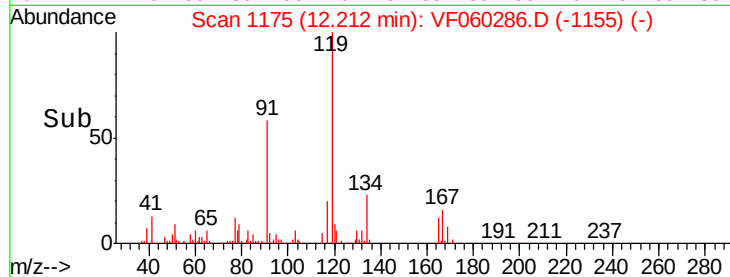
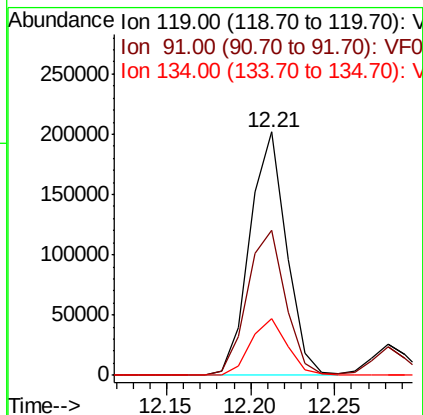
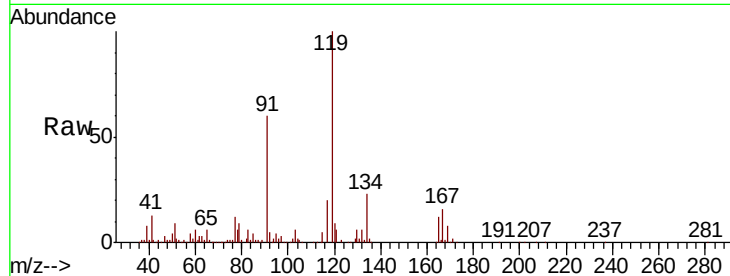




#83
 tert-Butylbenzene
 Concen: 19.984 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

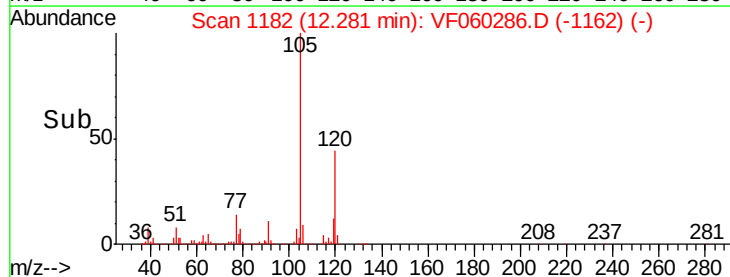
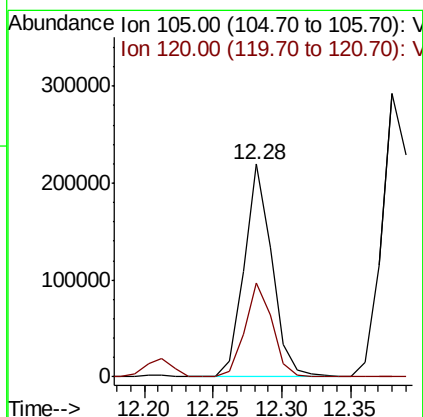
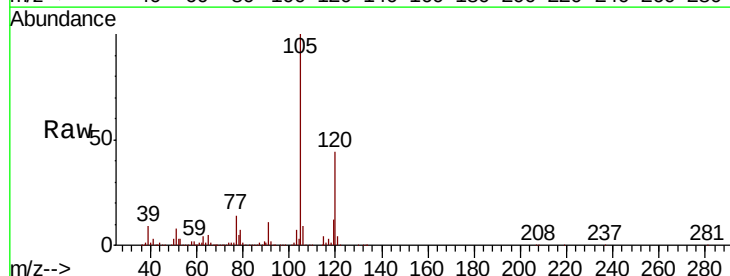
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

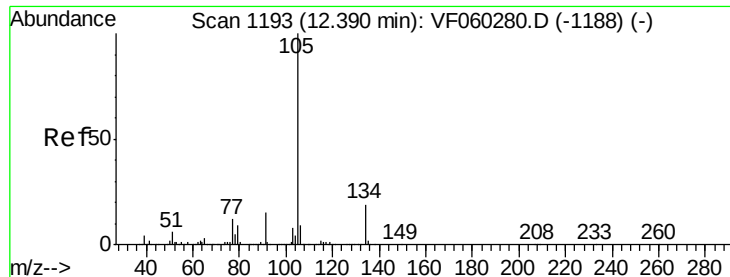
Tgt Ion:119 Resp: 304916
 Ion Ratio Lower Upper
 119 100
 91 59.8 30.3 91.0
 134 23.1 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.339 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

Tgt Ion:105 Resp: 310853
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.4 67.0





#85

sec-Butylbenzene

Concen: 19.235 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

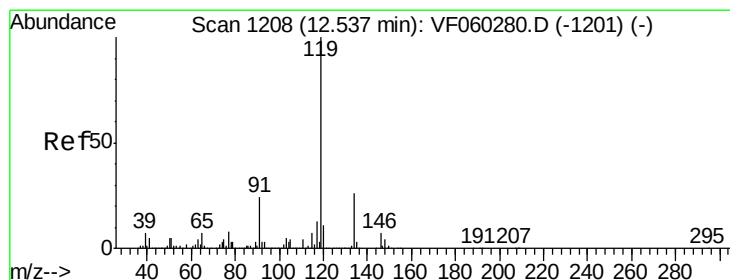
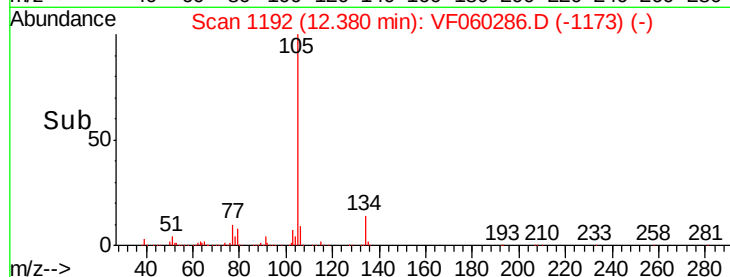
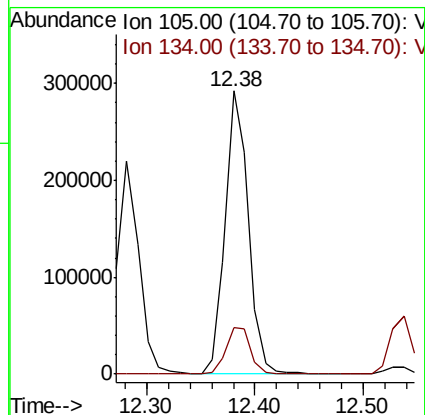
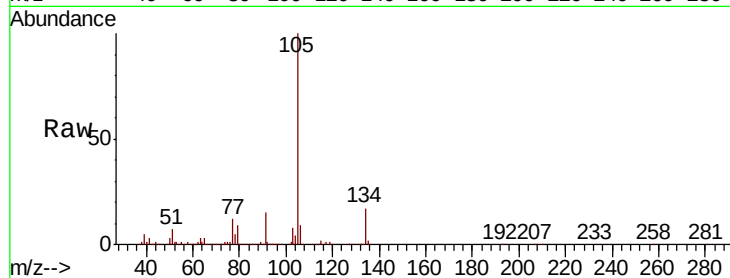
VF0919SBS01

Tgt Ion:105 Resp: 433103

Ion Ratio Lower Upper

105 100

134 16.7 9.6 28.6



#86

p-Isopropyltoluene

Concen: 19.702 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

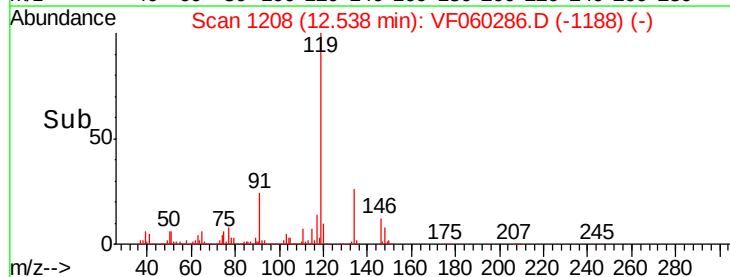
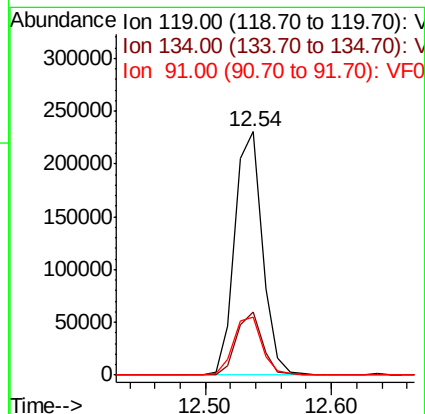
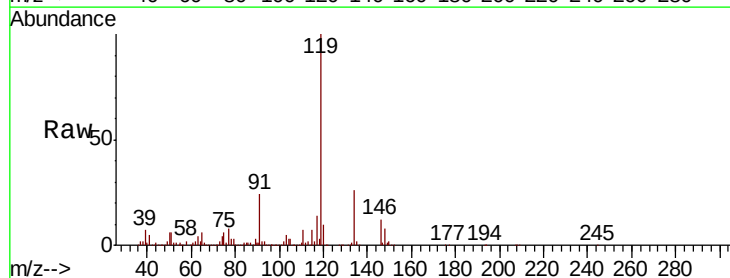
Tgt Ion:119 Resp: 347835

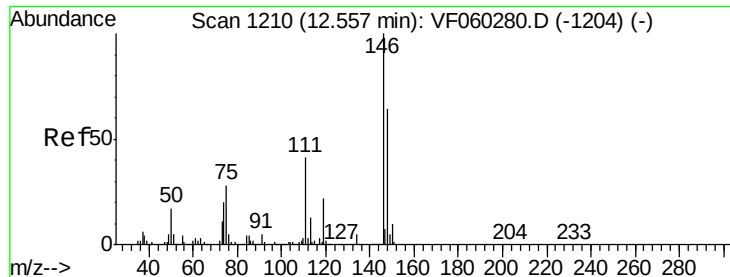
Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

91 23.8 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 20.047 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

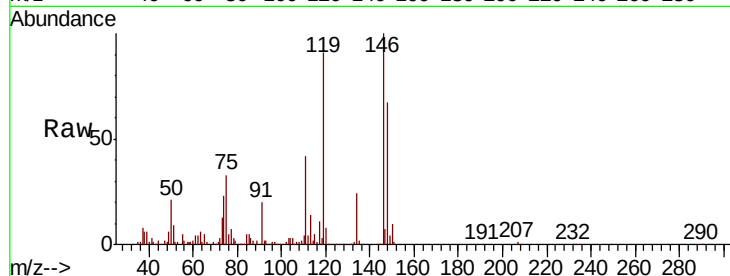
Tgt Ion:146 Resp: 150961

Ion Ratio Lower Upper

146 100

111 41.9 20.5 61.6

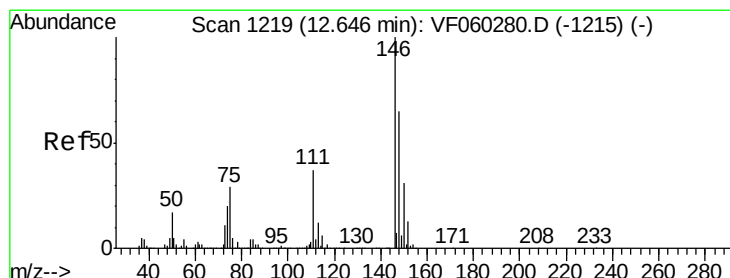
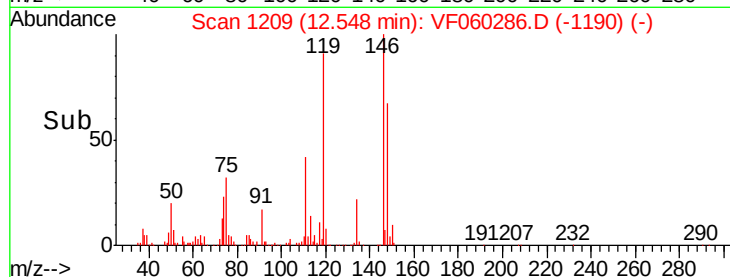
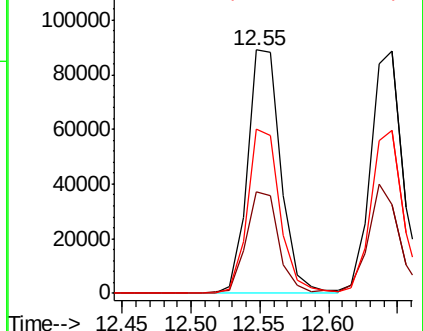
148 67.3 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 19.767 ug/l

RT: 12.65 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

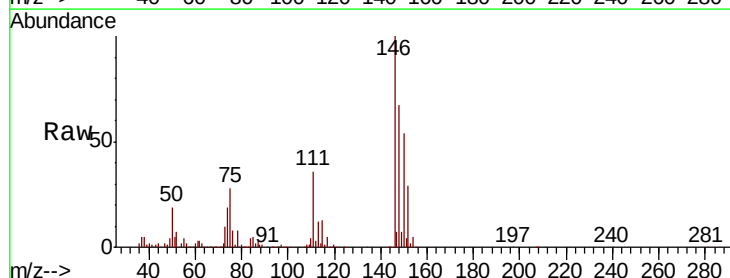
Tgt Ion:146 Resp: 147126

Ion Ratio Lower Upper

146 100

111 36.5 18.7 56.1

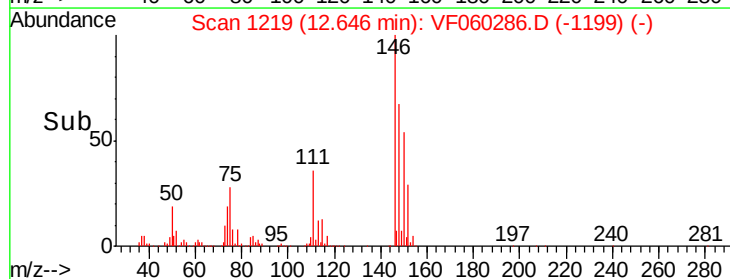
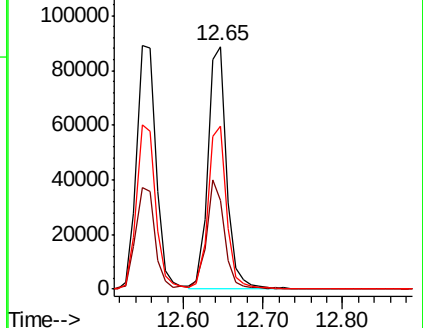
148 67.2 32.4 97.0

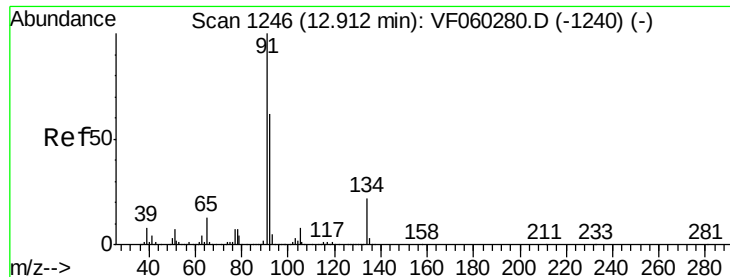


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 19.065 ug/l

RT: 12.91 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

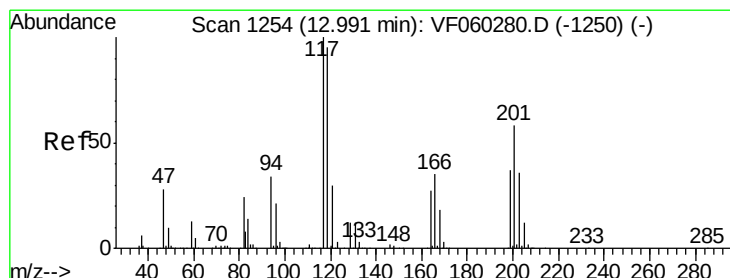
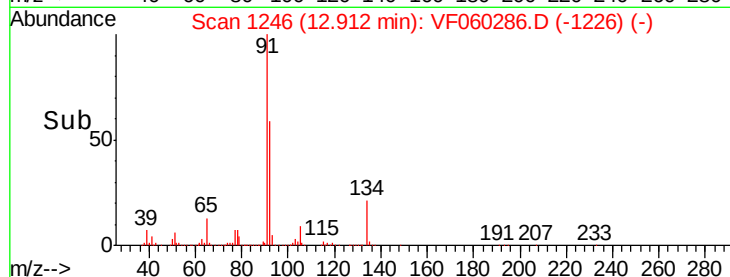
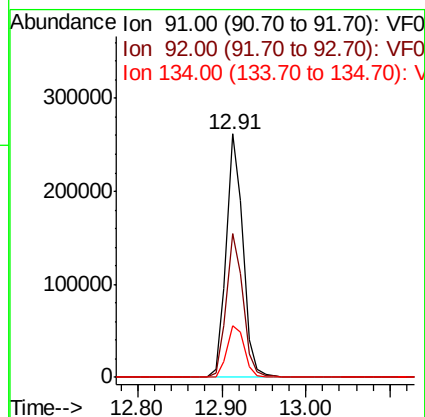
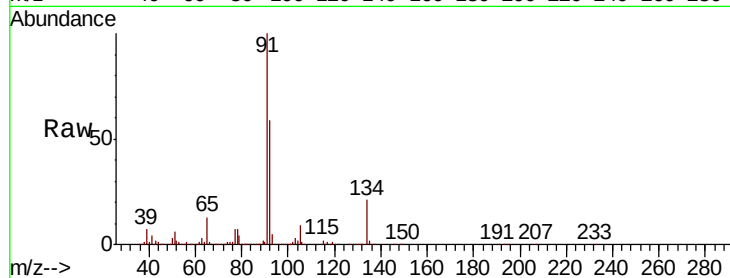
Tgt Ion: 91 Resp: 361425

Ion Ratio Lower Upper

91 100

92 59.2 31.1 93.5

134 21.3 11.0 33.0



#90

Hexachloroethane

Concen: 20.415 ug/l

RT: 12.99 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VF060286.D

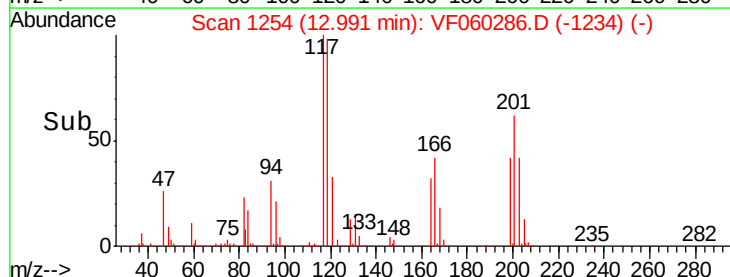
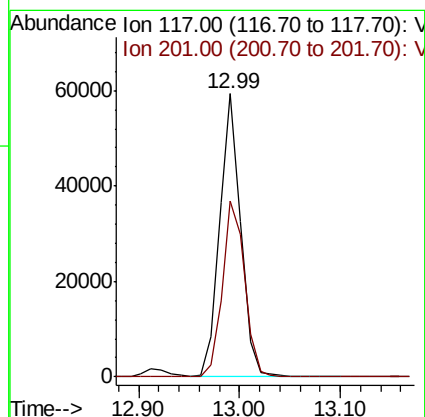
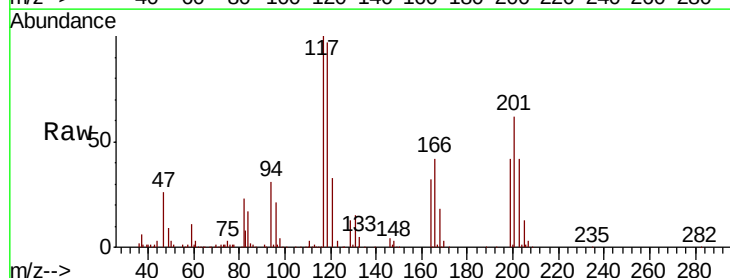
Acq: 19 Sep 2018 18:35

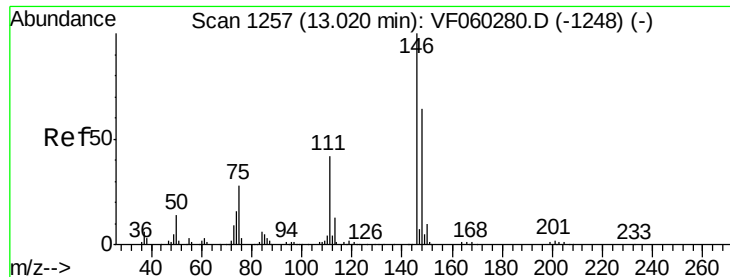
Tgt Ion: 117 Resp: 87162

Ion Ratio Lower Upper

117 100

201 62.0 29.0 87.0





#91

1,2-Dichlorobenzene

Concen: 19.997 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

Instrument :

MSVOA_F

ClientSampleId :

VF0919SBS01

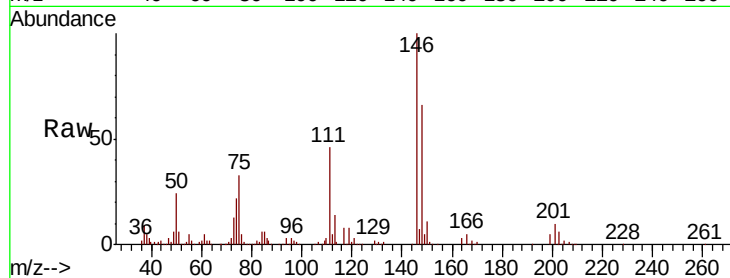
Tgt Ion:146 Resp: 143648

Ion Ratio Lower Upper

146 100

111 46.0 20.9 62.8

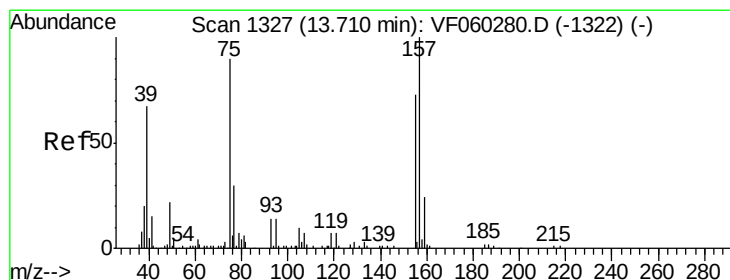
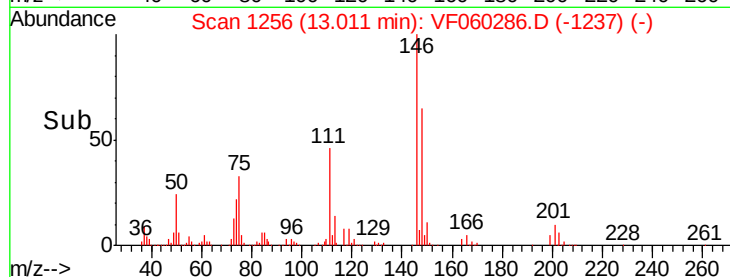
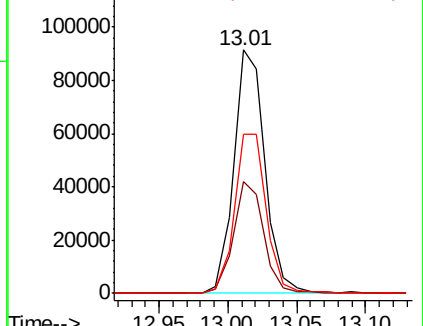
148 65.6 31.9 95.9



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: 19.498 ug/l

RT: 13.71 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VF060286.D

Acq: 19 Sep 2018 18:35

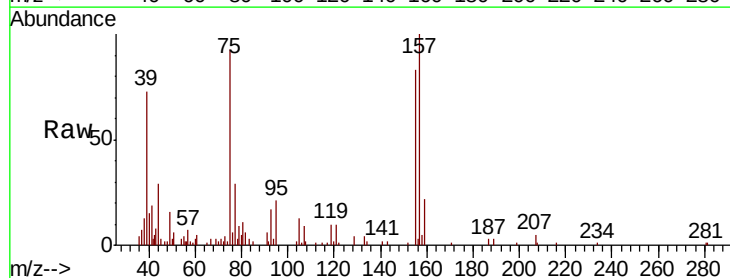
Tgt Ion: 75 Resp: 12131

Ion Ratio Lower Upper

75 100

155 89.2 41.9 125.7

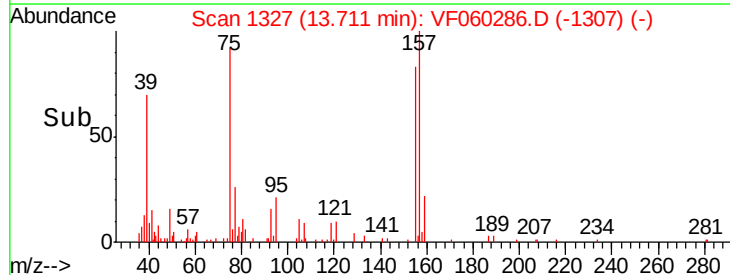
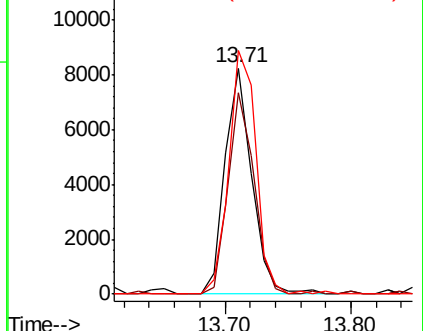
157 107.7 57.4 172.0

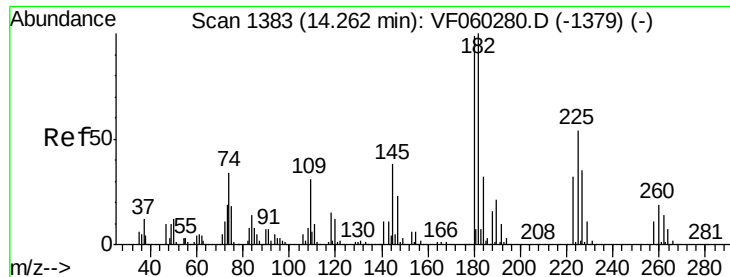


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

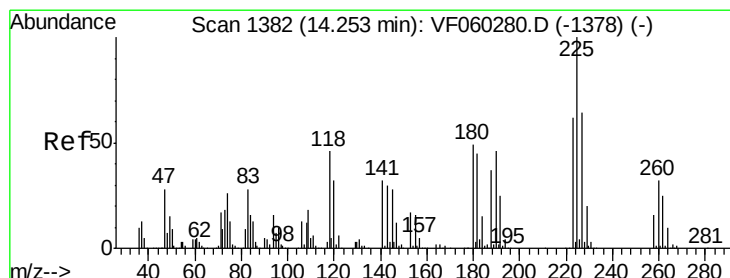
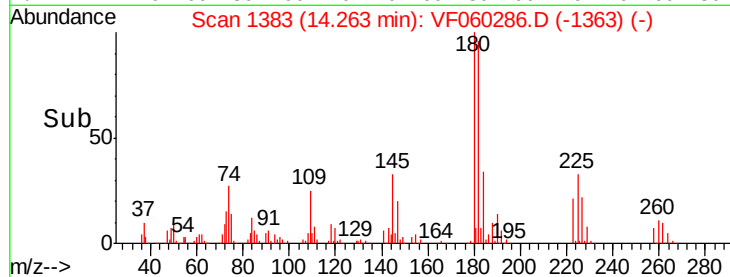
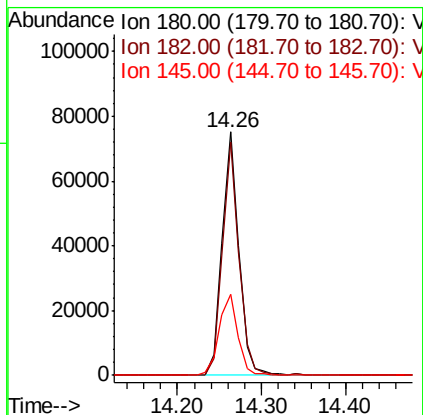
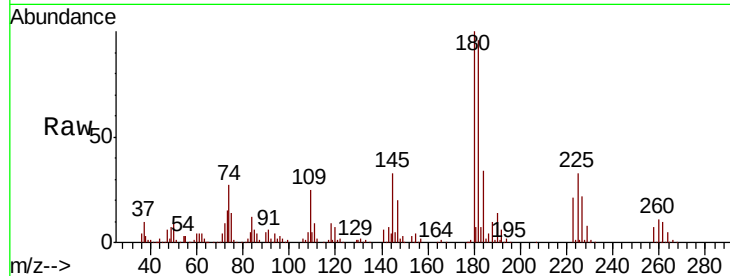




#93
 1,2,4-Trichlorobenzene
 Concen: 20.110 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

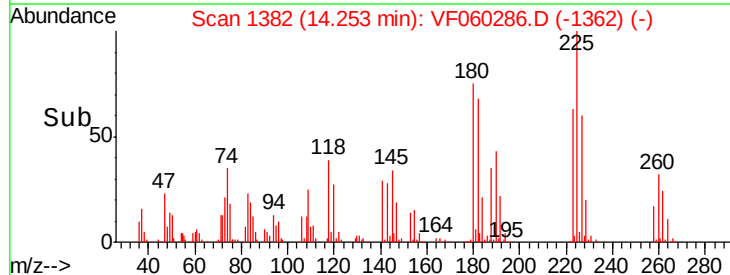
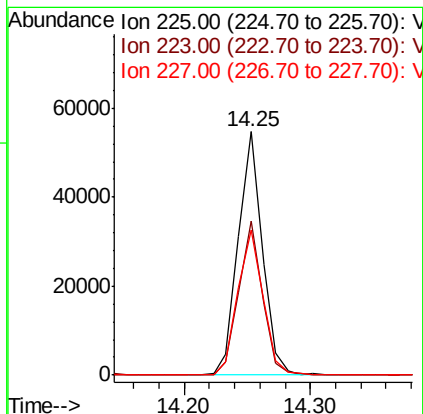
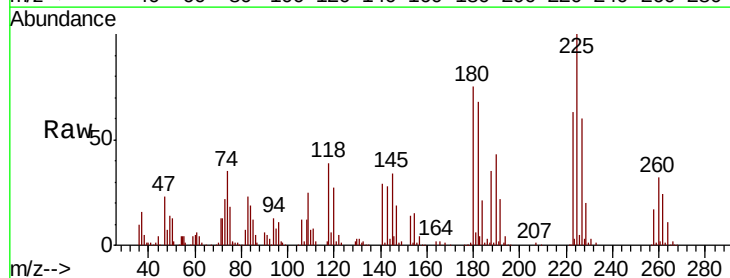
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0919SBS01

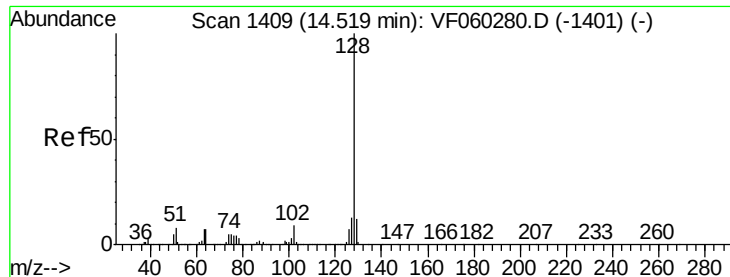
Tgt Ion:180 Resp: 104998
 Ion Ratio Lower Upper
 180 100
 182 95.6 50.3 151.0
 145 33.4 18.9 56.9



#94
 Hexachlorobutadiene
 Concen: 20.439 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060286.D
 Acq: 19 Sep 2018 18:35

Tgt Ion:225 Resp: 72139
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.2 93.6
 227 59.8 32.2 96.6

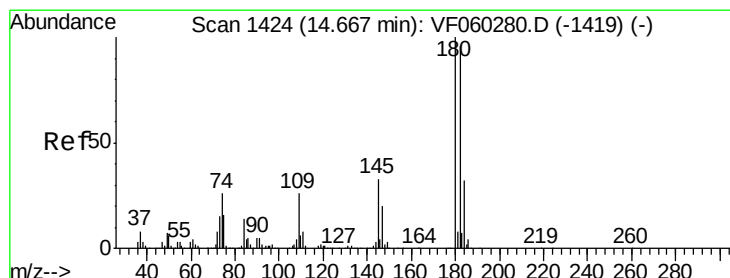
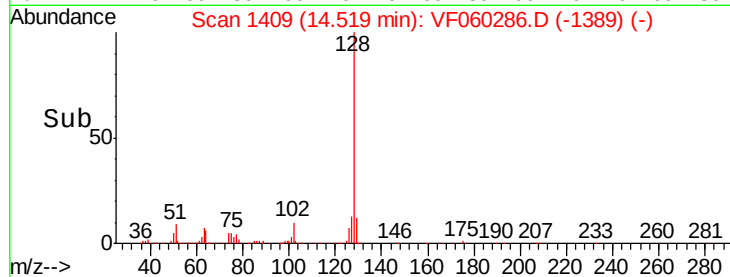
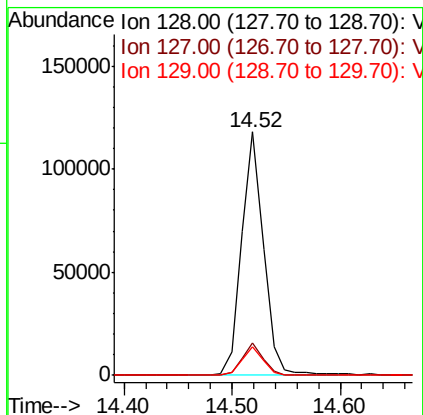
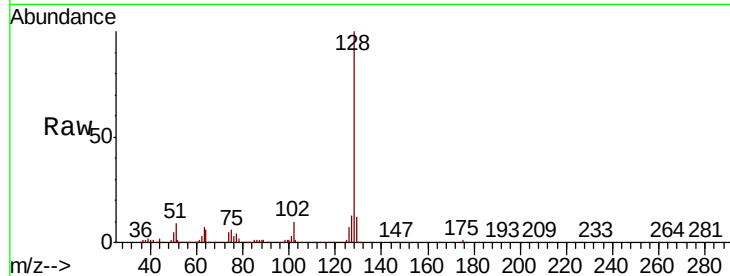




#95
Naphthalene
Concen: 18.285 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Instrument :
MSVOA_F
ClientSampleId :
VF0919SBS01

Tgt Ion:128 Resp: 167384
Ion Ratio Lower Upper
128 100
127 13.4 10.1 15.1
129 12.0 9.8 14.8



#96
1,2,3-Trichlorobenzene
Concen: 20.882 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. 0.00 min
Lab File: VF060286.D
Acq: 19 Sep 2018 18:35

Tgt Ion:180 Resp: 100742
Ion Ratio Lower Upper
180 100
182 94.7 47.8 143.4
145 31.5 16.4 49.1

