

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF091918\
 Data File : VF060283.D
 Acq On : 19 Sep 2018 15:38
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 20 02:21:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:18:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	265043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	476921	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	420122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	216626	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	494225	138.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	276.96%	
35) Dibromofluoromethane	4.29	113	535940	126.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	252.12%	
50) Toluene-d8	7.70	98	1385298	125.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	250.24%	
62) 4-Bromofluorobenzene	11.51	95	603077	126.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	252.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	547858	116.421	ug/l	98
3) Chloromethane	1.13	50	440770	123.437	ug/l	100
4) Vinyl Chloride	1.18	62	460778	125.180	ug/l	100
5) Bromomethane	1.35	94	276283	111.891	ug/l	97
6) Chloroethane	1.42	64	207803	118.538	ug/l	96
7) Trichlorofluoromethane	1.54	101	838490	122.270	ug/l	100
8) Diethyl Ether	1.70	74	148707	130.338	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	1.89	101	436843	119.780	ug/l	94
10) Methyl Iodide	1.96	142	763543	129.839	ug/l	93
11) Tert butyl alcohol	2.69	59	145222	638.329	ug/l	94
12) 1,1-Dichloroethene	1.85	96	359439	119.172	ug/l	97
13) Acrolein	2.08	56	50681	455.748	ug/l	84
14) Allyl chloride	2.18	41	675241	128.292	ug/l	96
15) Acrylonitrile	3.07	53	328793	652.305	ug/l	96
16) Acetone	2.34	43	621122	617.985	ug/l	100
17) Carbon Disulfide	1.90	76	1036596	113.874	ug/l	99
18) Methyl Acetate	2.45	43	234175	139.859	ug/l	96
19) Methyl tert-butyl Ether	2.54	73	994029	132.200	ug/l	99
20) Methylene Chloride	2.28	84	164512	46.046	ug/l	96
21) trans-1,2-Dichloroethene	2.41	96	395182	126.857	ug/l	94
22) Diisopropyl ether	2.92	45	1275344	128.426	ug/l	99
23) Vinyl Acetate	3.33	43	2602495	667.266	ug/l	98
24) 1,1-Dichloroethane	3.00	63	813043	126.242	ug/l	98
25) 2-Butanone	4.50	43	917108	677.920	ug/l	99
26) 2,2-Dichloropropane	3.76	77	455308	123.903	ug/l	96
27) cis-1,2-Dichloroethene	3.63	96	540945	132.179	ug/l	88
28) Bromochloromethane	3.88	49	321640	128.275	ug/l	89
29) Tetrahydrofuran	4.24	42	327203	660.469	ug/l	99
30) Chloroform	4.04	83	994008	127.913	ug/l	96
31) Cyclohexane	3.86	56	642408	118.091	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	807896	131.757	ug/l	99
36) 1,1-Dichloropropene	4.45	75	702636	118.112	ug/l	98
37) Ethyl Acetate	4.28	43	310874	123.502	ug/l	94
38) Carbon Tetrachloride	4.16	117	884603	130.314	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF091918\
 Data File : VF060283.D
 Acq On : 19 Sep 2018 15:38
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 20 02:21:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:18:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	721316	111.876	ug/l	96
40) Benzene	4.80	78	1659607	123.033	ug/l	99
41) Methacrylonitrile	4.91	41	172861	126.558	ug/l	98
42) 1,2-Dichloroethane	5.11	62	658039	132.535	ug/l	100
43) Isopropyl Acetate	7.10	43	418404	138.073	ug/l	93
44) Trichloroethene	5.67	130	480390	119.665	ug/l	100
45) 1,2-Dichloropropane	6.40	63	441802	126.553	ug/l	100
46) Dibromomethane	6.24	93	326415	130.806	ug/l	92
47) Bromodichloromethane	6.54	83	769864	128.378	ug/l	95
48) Methyl methacrylate	6.86	41	274582	129.082	ug/l	96
49) 1,4-Dioxane	6.85	88	50279	2645.678	ug/l	97
51) 4-Methyl-2-Pentanone	8.40	43	1614335	691.192	ug/l	96
52) Toluene	7.77	92	1037295	121.554	ug/l	90
53) t-1,3-Dichloropropene	8.42	75	621850	128.556	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	773138	126.873	ug/l	100
55) 1,1,2-Trichloroethane	8.63	97	342668	132.304	ug/l	97
56) Ethyl methacrylate	8.76	69	430190	137.527	ug/l	98
57) 1,3-Dichloropropane	8.99	76	585597	136.551	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	156133	564.619	ug/l	100
59) 2-Hexanone	9.62	43	1156538	695.473	ug/l	95
60) Dibromochloromethane	8.86	129	517394	134.030	ug/l	99
61) 1,2-Dibromoethane	9.13	107	386986	134.177	ug/l	95
64) Tetrachloroethene	8.30	164	437970	114.998	ug/l	94
65) Chlorobenzene	9.94	112	1194382	125.436	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	489796	123.951	ug/l	98
67) Ethyl Benzene	10.04	91	1987212	112.875	ug/l	94
68) m/p-Xylenes	10.27	106	1445810	237.702	ug/l	82
69) o-Xylene	10.83	106	822771	120.601	ug/l	86
70) Styrene	10.90	104	1148001	119.320	ug/l	96
71) Bromoform	10.89	173	295310	136.076	ug/l #	93
73) Isopropylbenzene	11.22	105	2206511	113.462	ug/l	93
74) N-amyl acetate	11.46	43	579688	139.785	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	438183	127.140	ug/l	93
76) 1,2,3-Trichloropropane	11.88	75	322636	130.743	ug/l	89
77) Bromobenzene	11.60	156	515122	122.910	ug/l	94
78) n-propylbenzene	11.68	91	2487748	108.355	ug/l	94
79) 2-Chlorotoluene	11.81	91	1504963	114.724	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	1728663	110.428	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	215218	135.358	ug/l	95
82) 4-Chlorotoluene	11.99	91	1597404	121.152	ug/l	94
83) tert-Butylbenzene	12.22	119	1814041	114.314	ug/l	94
84) 1,2,4-Trimethylbenzene	12.29	105	1853616	116.610	ug/l	89
85) sec-Butylbenzene	12.38	105	2405115	109.464	ug/l	94
86) p-Isopropyltoluene	12.54	119	1937433	111.432	ug/l	94
87) 1,3-Dichlorobenzene	12.56	146	929947	118.742	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	937871	121.159	ug/l	92
89) n-Butylbenzene	12.92	91	1943336	105.665	ug/l	89
90) Hexachloroethane	13.00	117	533599	120.165	ug/l	83
91) 1,2-Dichlorobenzene	13.03	146	879819	117.766	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	92652	143.185	ug/l	88

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF091918\
Data File : VF060283.D
Acq On : 19 Sep 2018 15:38
Operator : VA/AP
Sample : VSTDICC150
Misc : 5.00/5mL/MSVOA_F/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC150

Quant Time: Sep 20 02:21:55 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 20 02:18:46 2018
Response via : Initial Calibration

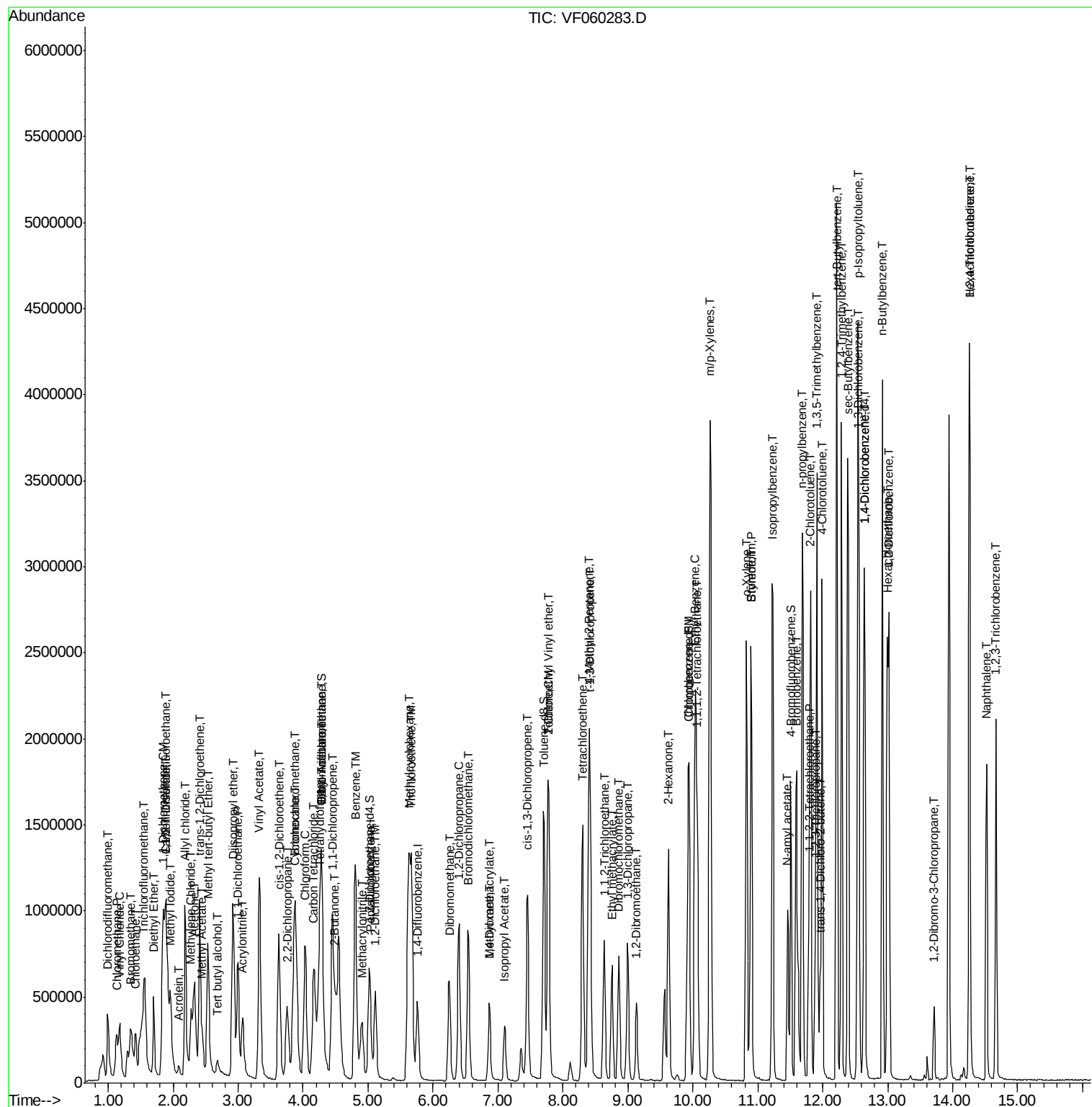
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	649418	119.595	ug/l	99
94) Hexachlorobutadiene	14.26	225	445569	121.382	ug/l	99
95) Naphthalene	14.52	128	1323759	139.044	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	625428	124.647	ug/l	96

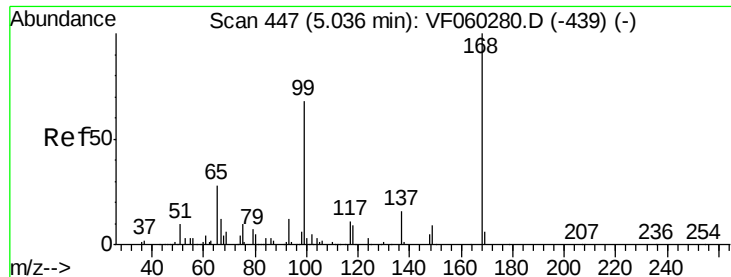
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF091918\
 Data File : VF060283.D
 Acq On : 19 Sep 2018 15:38
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 20 02:21:55 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:18:46 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

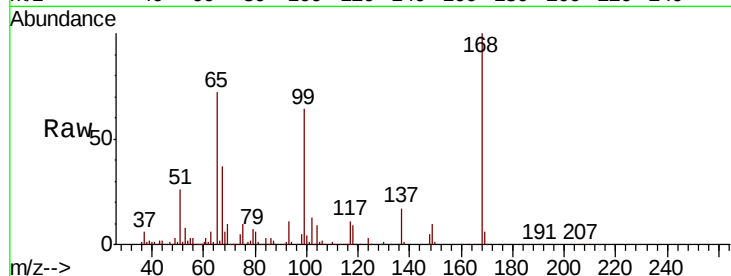
VSTDIC150

Tgt Ion:168 Resp: 265043

Ion Ratio Lower Upper

168 100

99 64.1 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF060283.D (-16) (-)

Ion 99.00 (98.70 to 99.70): VF060283.D (-16) (-)

5.04

80000

60000

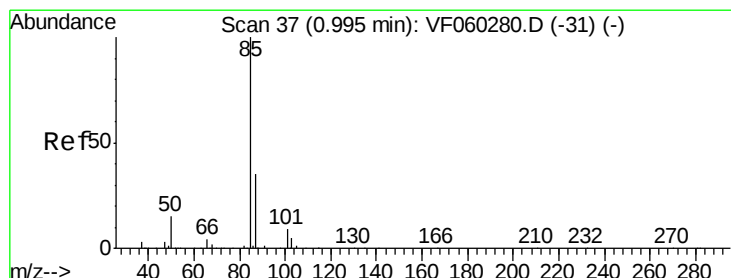
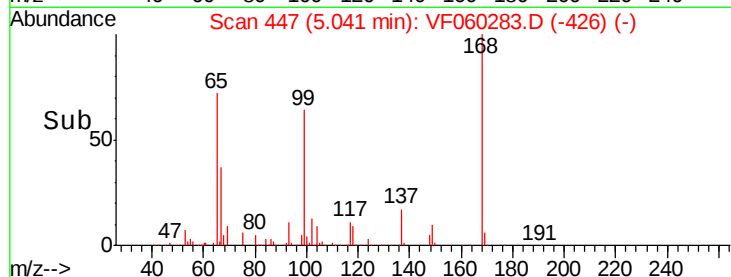
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 116.421 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.00 min

Lab File: VF060283.D

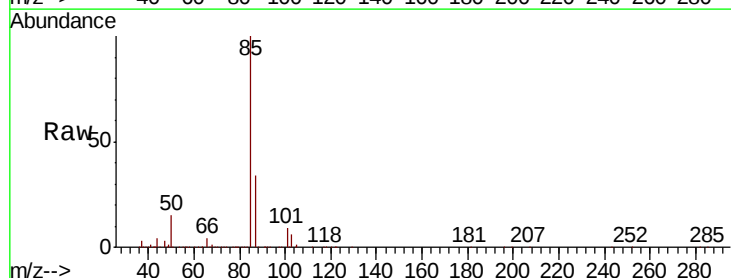
Acq: 19 Sep 2018 15:38

Tgt Ion: 85 Resp: 547858

Ion Ratio Lower Upper

85 100

87 33.7 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF060283.D (-16) (-)

Ion 87.00 (86.70 to 87.70): VF060283.D (-16) (-)

0.99

250000

200000

150000

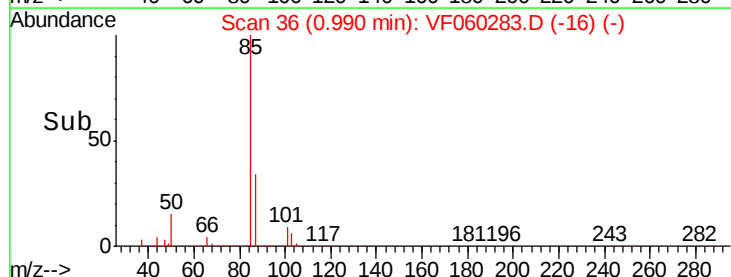
100000

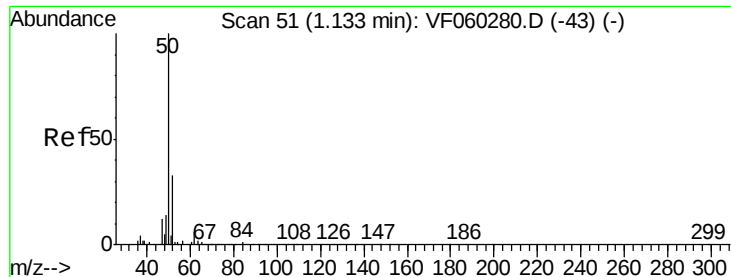
50000

0

Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 123.437 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

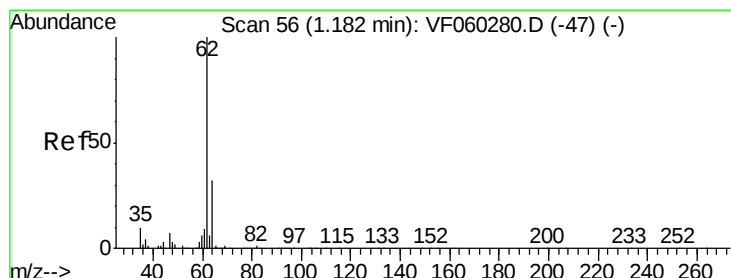
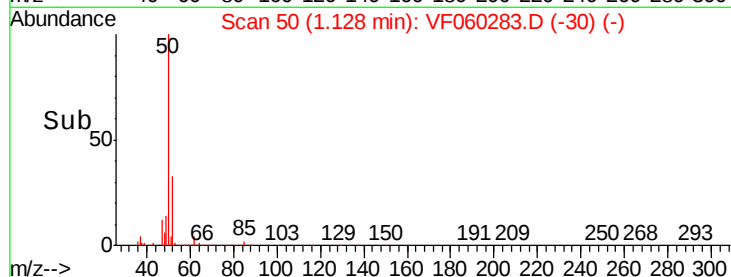
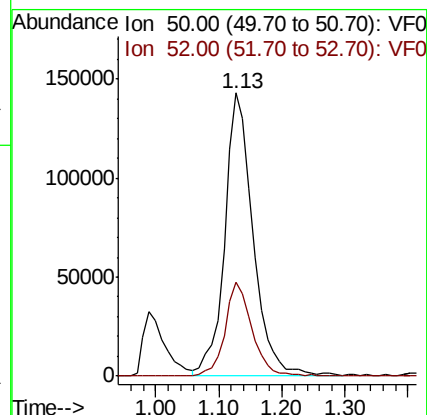
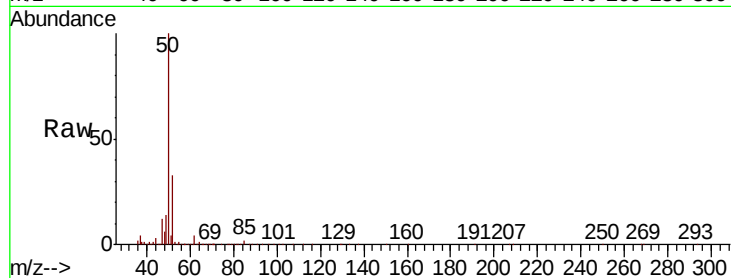
VSTDIC150

Tgt Ion: 50 Resp: 440770

Ion Ratio Lower Upper

50 100

52 33.4 26.5 39.7



#4

Vinyl Chloride

Concen: 125.180 ug/l

RT: 1.18 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060283.D

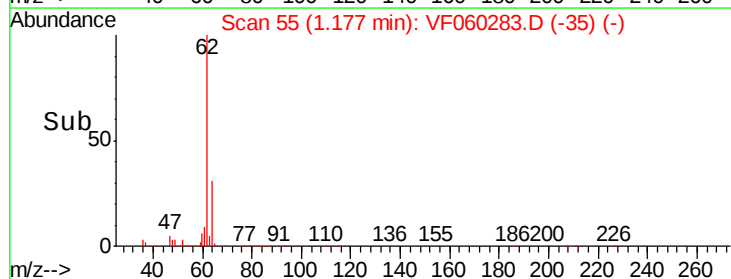
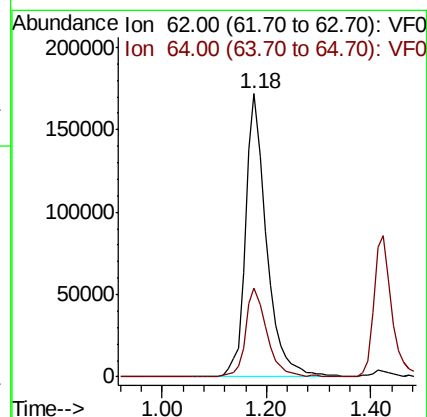
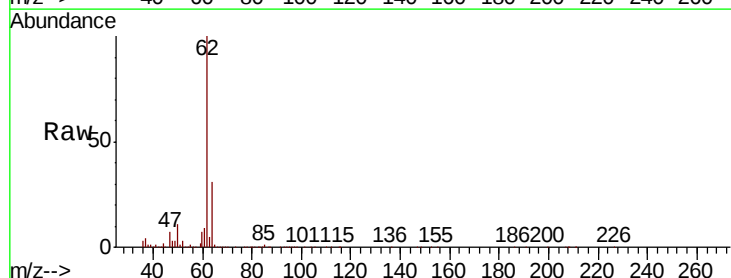
Acq: 19 Sep 2018 15:38

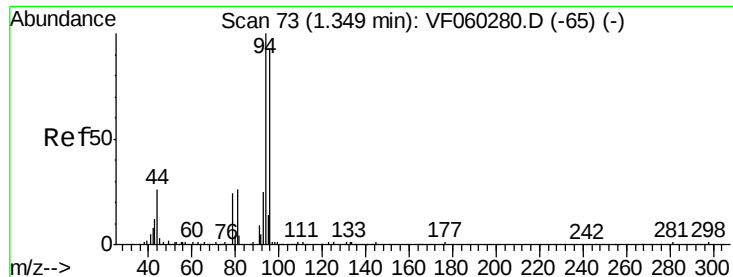
Tgt Ion: 62 Resp: 460778

Ion Ratio Lower Upper

62 100

64 31.3 25.2 37.8





#5

Bromomethane

Concen: 111.891 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

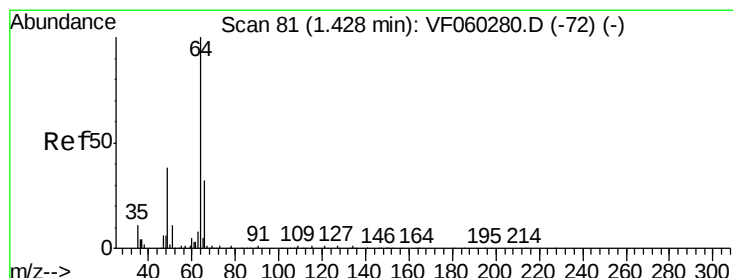
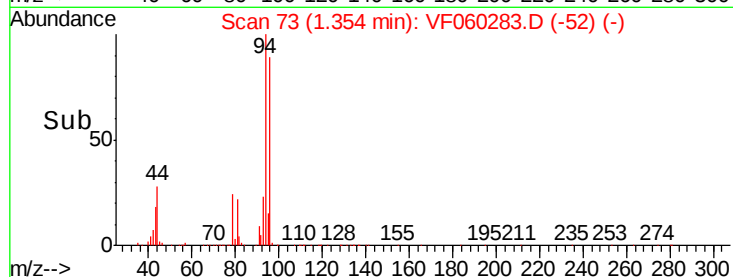
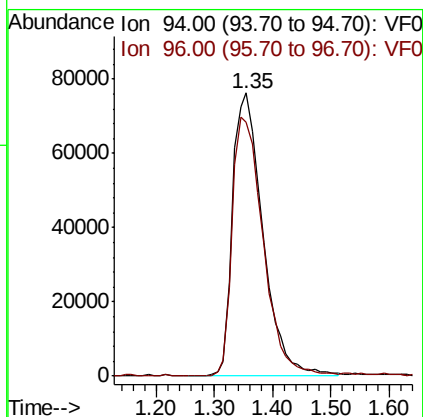
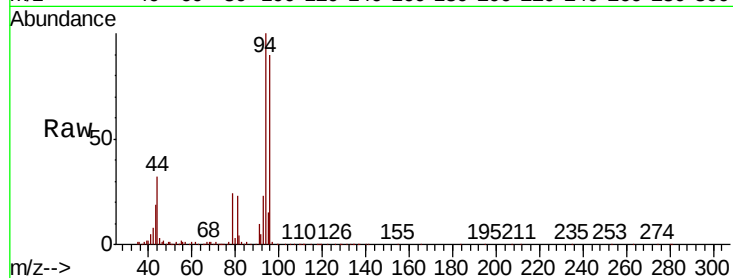
VSTDIC150

Tgt Ion: 94 Resp: 276283

Ion Ratio Lower Upper

94 100

96 89.9 73.9 110.9



#6

Chloroethane

Concen: 118.538 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF060283.D

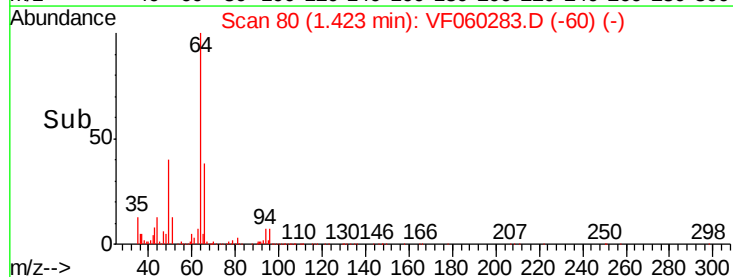
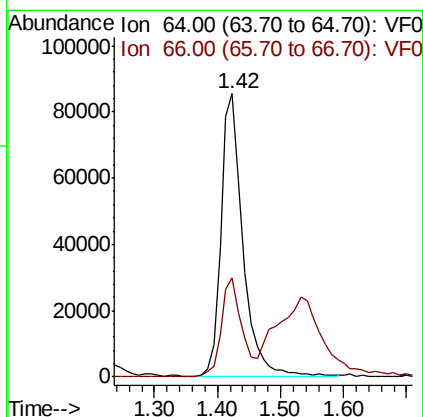
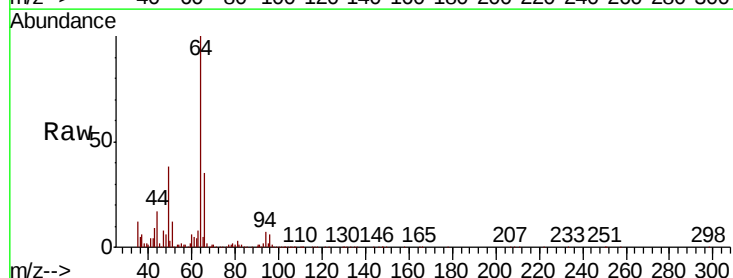
Acq: 19 Sep 2018 15:38

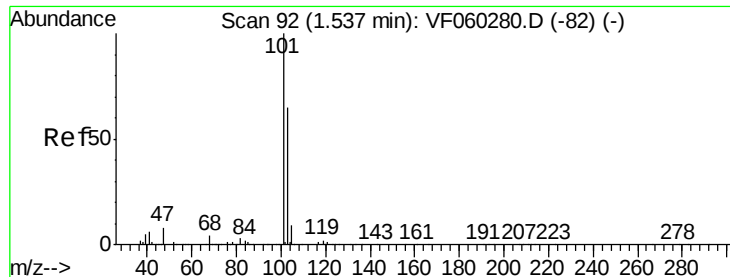
Tgt Ion: 64 Resp: 207803

Ion Ratio Lower Upper

64 100

66 35.1 26.2 39.2





#7

Trichlorofluoromethane

Concen: 122.270 ug/l

RT: 1.54 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

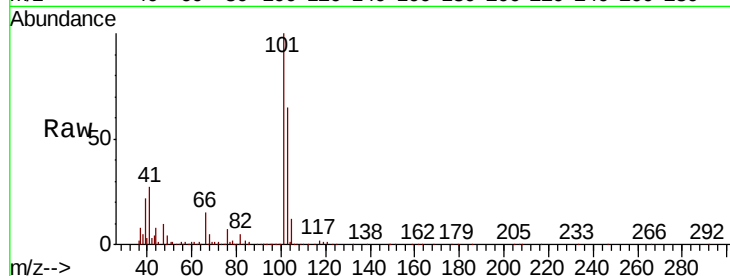
VSTDIC150

Tgt Ion:101 Resp: 838490

Ion Ratio Lower Upper

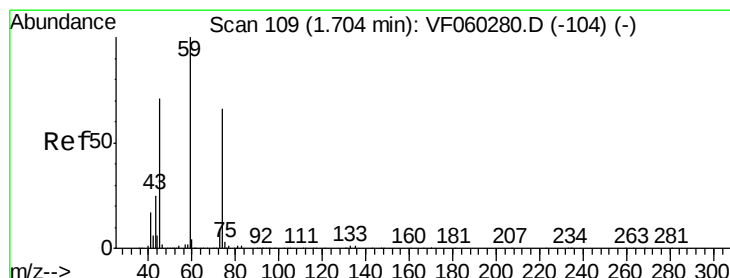
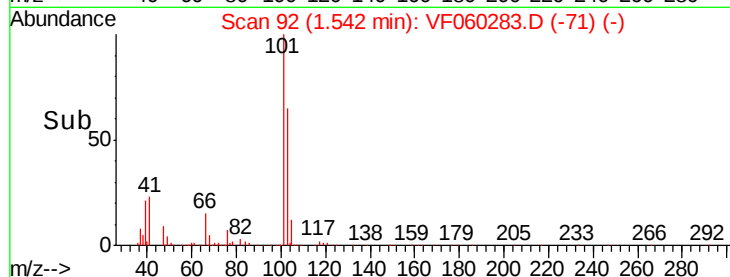
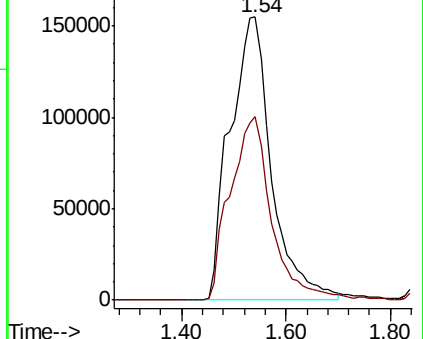
101 100

103 64.8 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: 130.338 ug/l

RT: 1.70 min Scan# 108

Delta R.T. -0.00 min

Lab File: VF060283.D

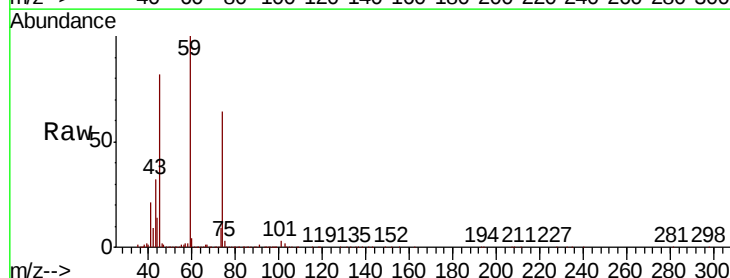
Acq: 19 Sep 2018 15:38

Tgt Ion: 74 Resp: 148707

Ion Ratio Lower Upper

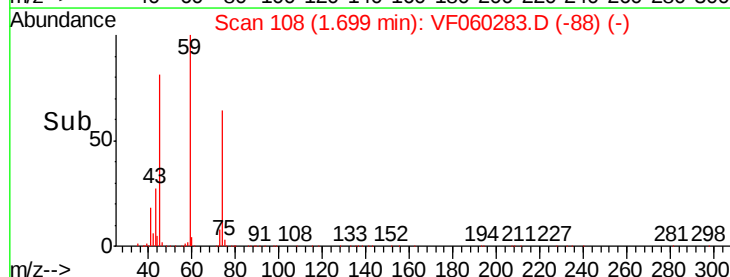
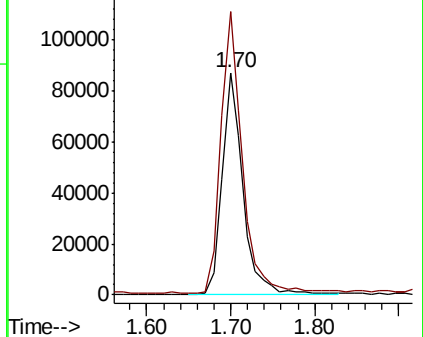
74 100

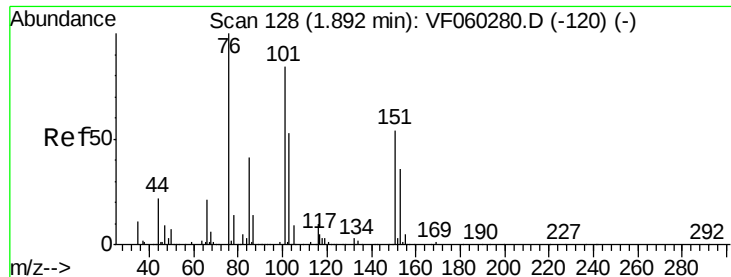
45 127.5 53.9 161.7



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: 119.780 ug/l

RT: 1.89 min Scan# 127

Delta R.T. -0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

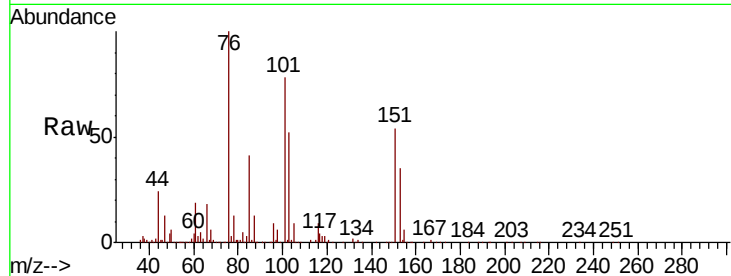
Tgt Ion:101 Resp: 436843

Ion Ratio Lower Upper

101 100

85 52.2 38.7 58.1

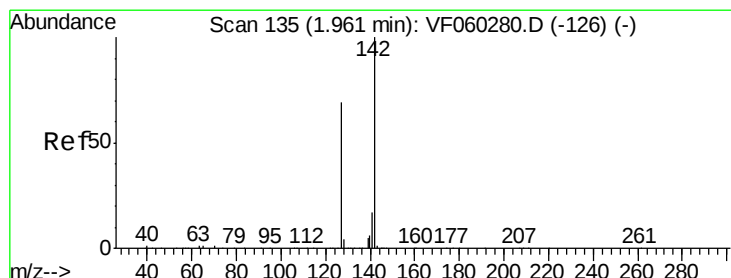
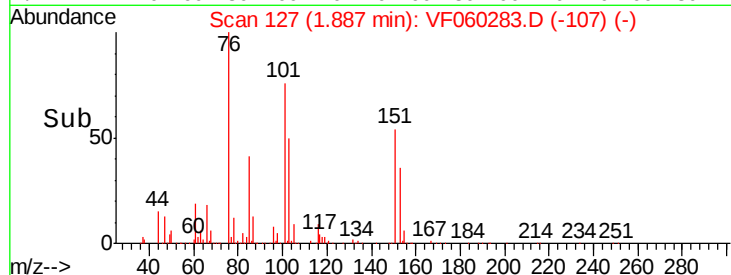
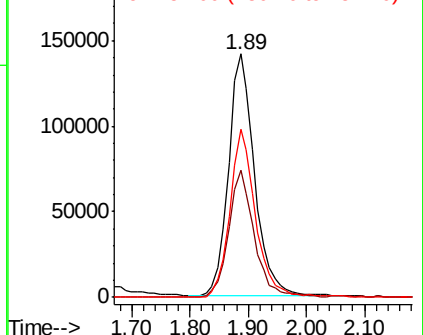
151 68.9 50.8 76.2



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: 129.839 ug/l

RT: 1.96 min Scan# 134

Delta R.T. -0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

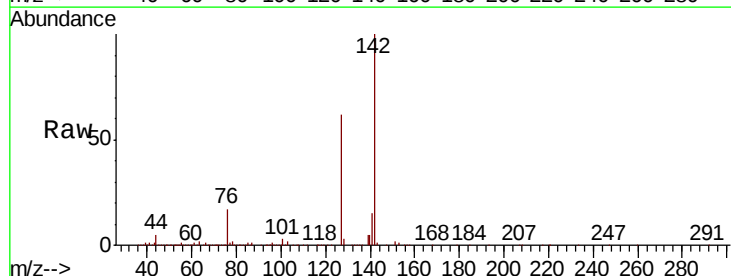
Tgt Ion:142 Resp: 763543

Ion Ratio Lower Upper

142 100

127 62.1 55.4 83.0

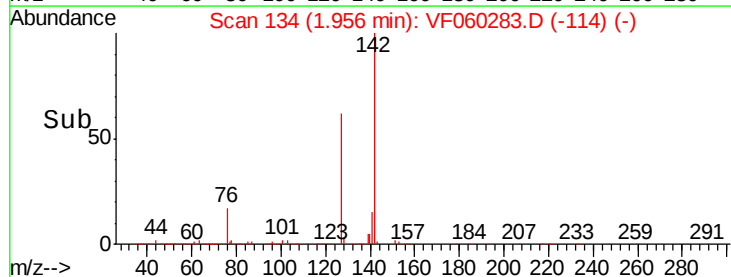
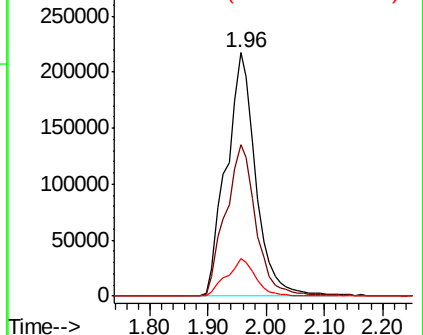
141 15.5 13.3 19.9

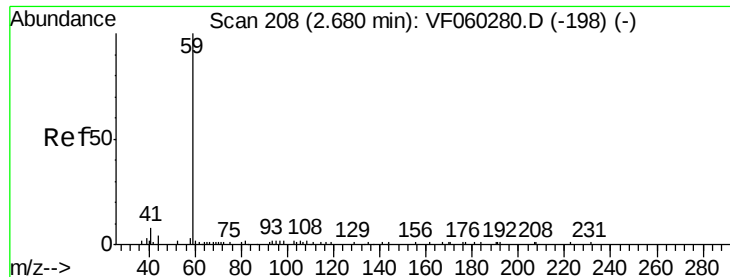


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



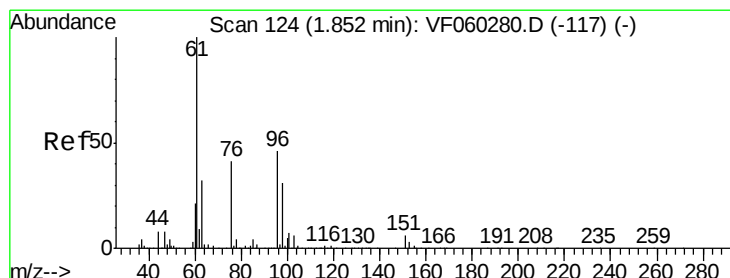
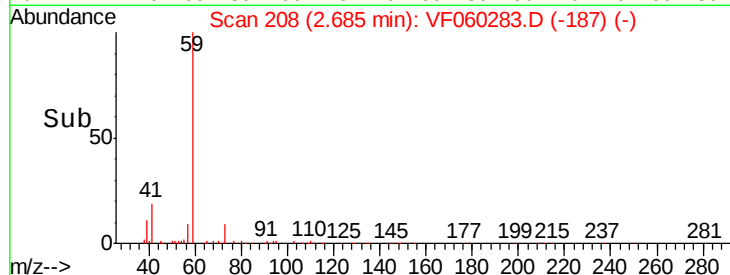
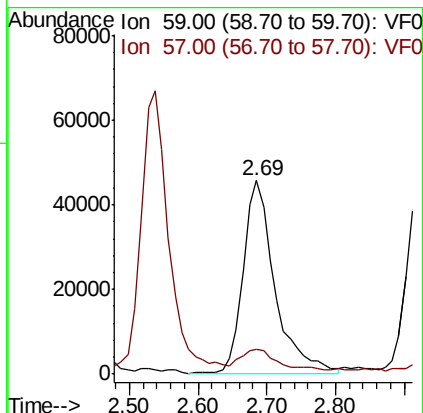
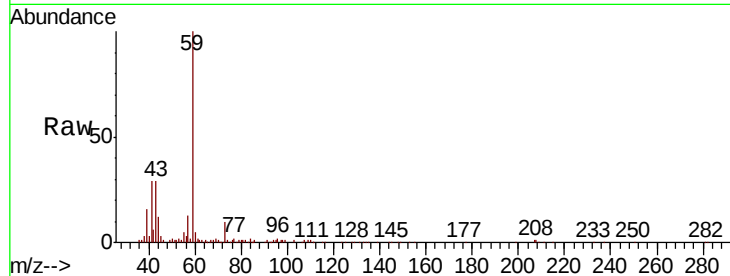


#11

Tert butyl alcohol
 Concen: 638.329 ug/l
 RT: 2.69 min Scan# 208
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

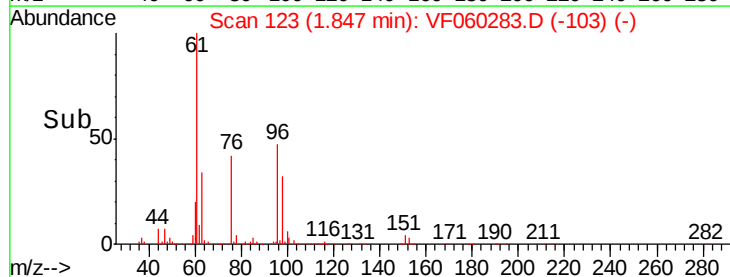
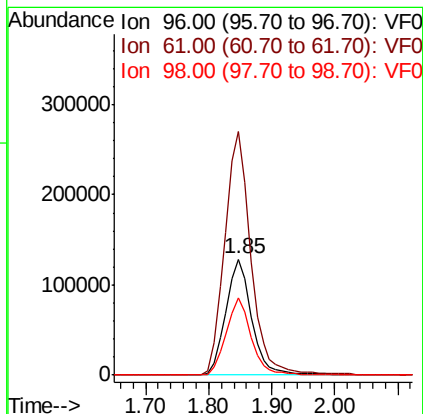
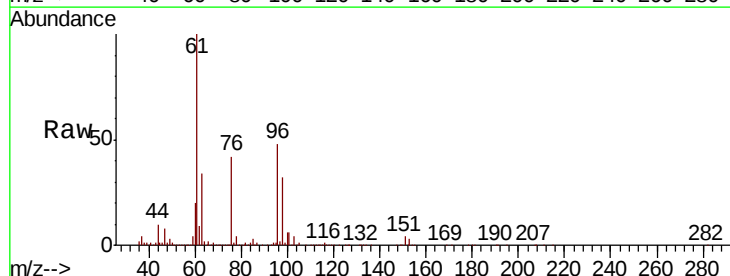
Tgt Ion: 59 Resp: 145222
 Ion Ratio Lower Upper
 59 100
 57 12.8 12.4 18.6

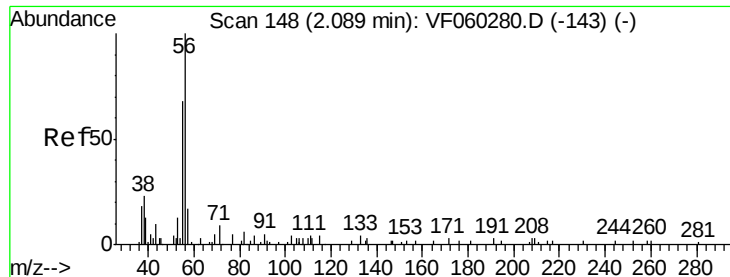


#12

1,1-Dichloroethene
 Concen: 119.172 ug/l
 RT: 1.85 min Scan# 123
 Delta R.T. -0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Tgt Ion: 96 Resp: 359439
 Ion Ratio Lower Upper
 96 100
 61 210.3 172.2 258.2
 98 66.6 54.1 81.1





#13

Acrolein

Concen: 455.748 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

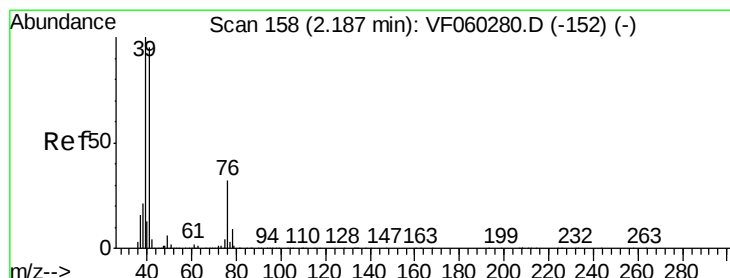
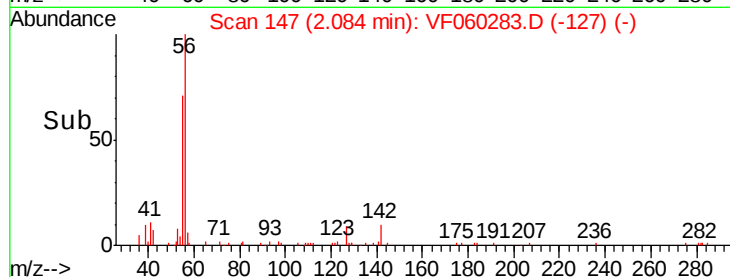
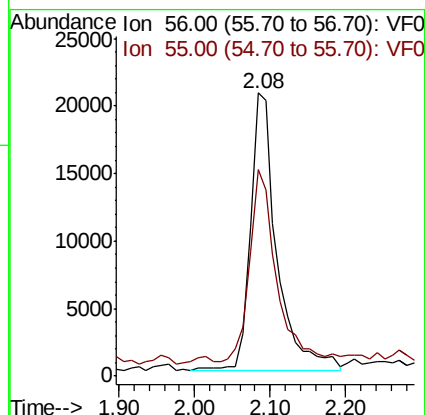
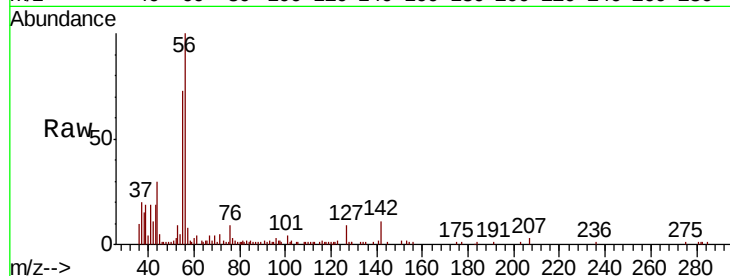
VSTDIC150

Tgt Ion: 56 Resp: 50681

Ion Ratio Lower Upper

56 100

55 72.8 69.9 104.9



#14

Allyl chloride

Concen: 128.292 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

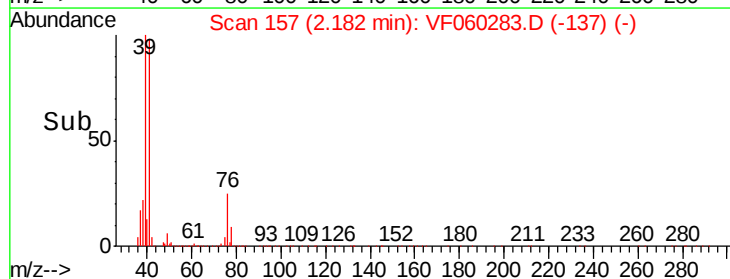
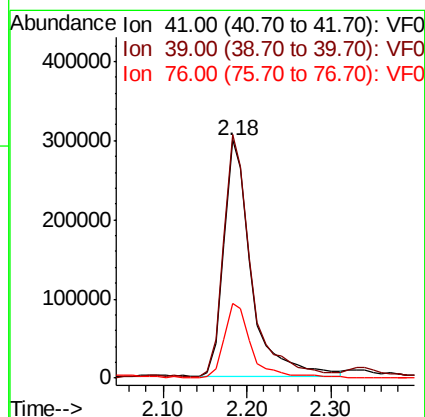
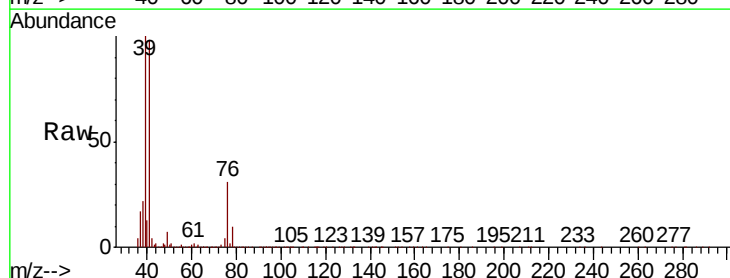
Tgt Ion: 41 Resp: 675241

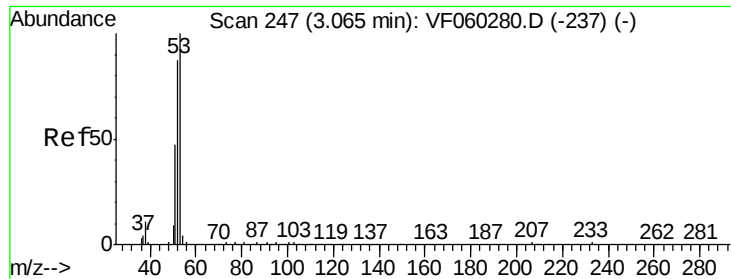
Ion Ratio Lower Upper

41 100

39 102.3 84.8 127.2

76 31.6 27.4 41.2





#15

Acrylonitrile

Concen: 652.305 ug/l

RT: 3.07 min Scan# 247

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

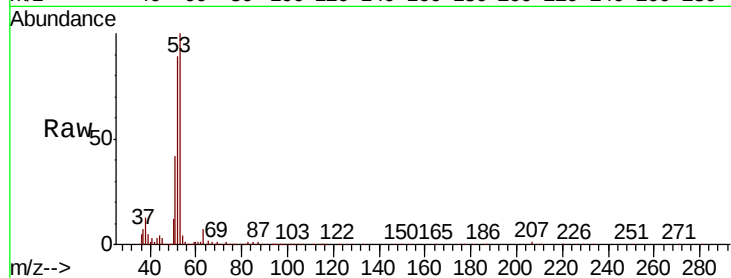
Tgt Ion: 53 Resp: 328793

Ion Ratio Lower Upper

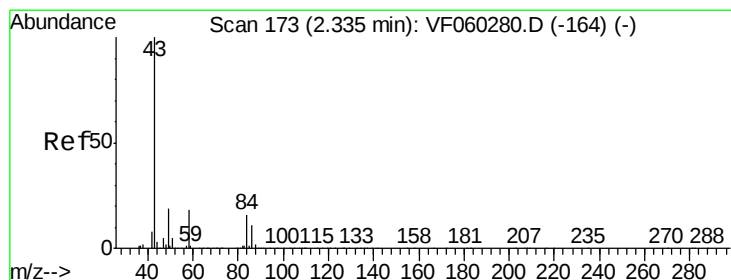
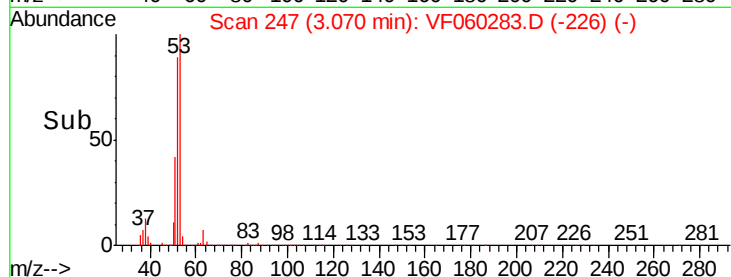
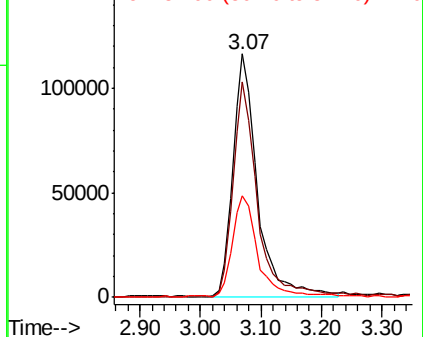
53 100

52 88.6 69.5 104.3

51 41.7 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: 617.985 ug/l

RT: 2.34 min Scan# 173

Delta R.T. 0.00 min

Lab File: VF060283.D

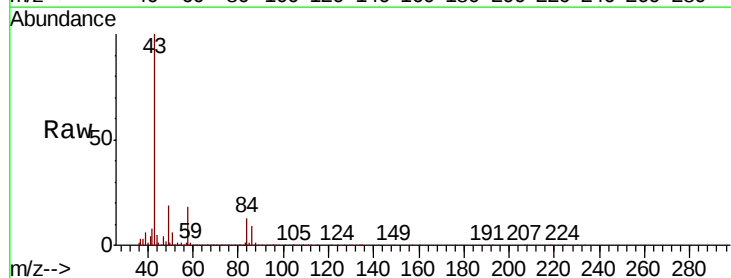
Acq: 19 Sep 2018 15:38

Tgt Ion: 43 Resp: 621122

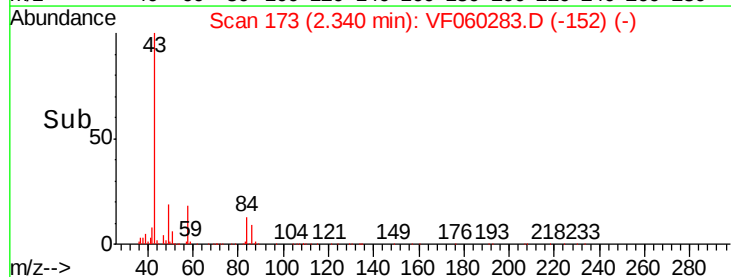
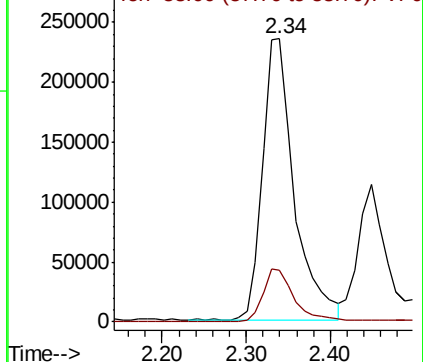
Ion Ratio Lower Upper

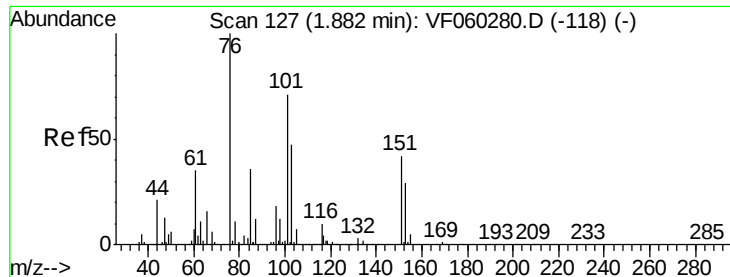
43 100

58 18.2 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

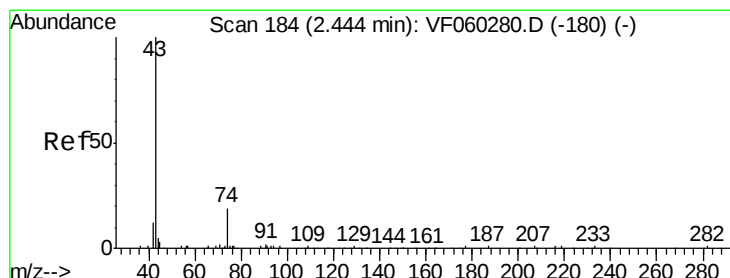
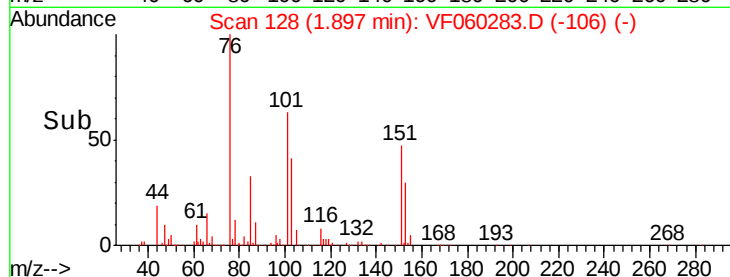
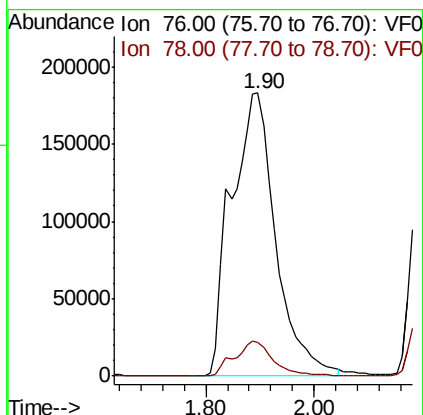
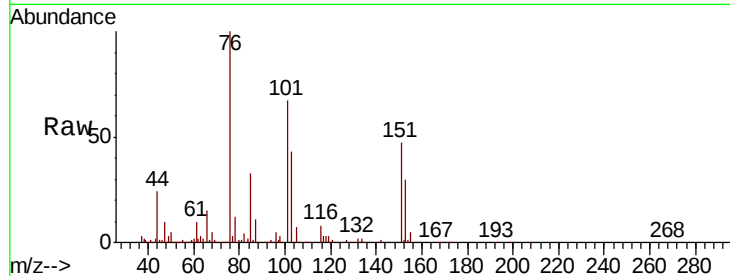




#17
Carbon Disulfide
Concen: 113.874 ug/l
RT: 1.90 min Scan# 128
Delta R.T. 0.01 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

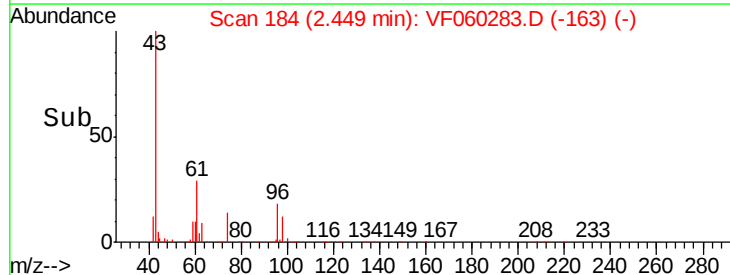
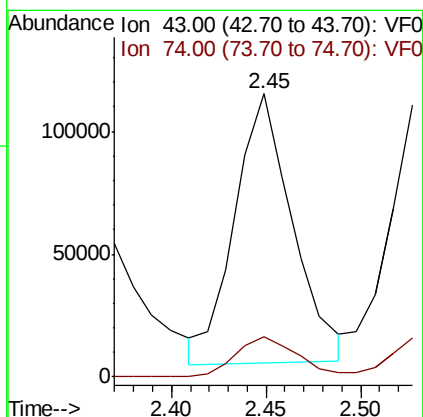
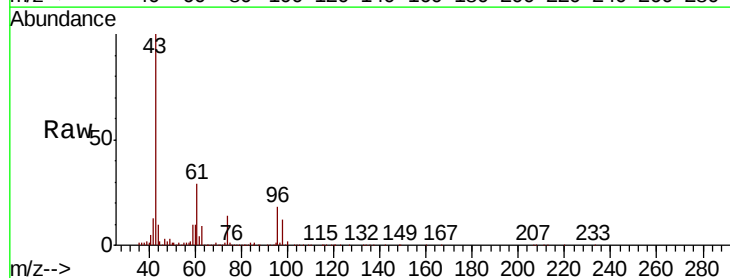
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

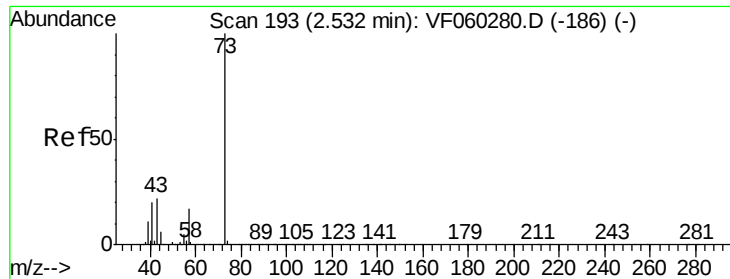
Tgt Ion: 76 Resp: 1036596
Ion Ratio Lower Upper
76 100
78 12.0 9.4 14.0



#18
Methyl Acetate
Concen: 139.859 ug/l
RT: 2.45 min Scan# 184
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Tgt Ion: 43 Resp: 234175
Ion Ratio Lower Upper
43 100
74 14.3 12.7 19.1



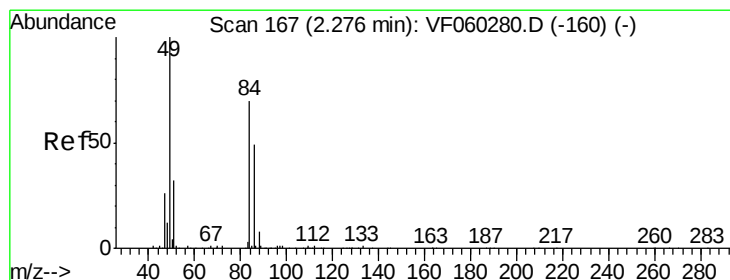
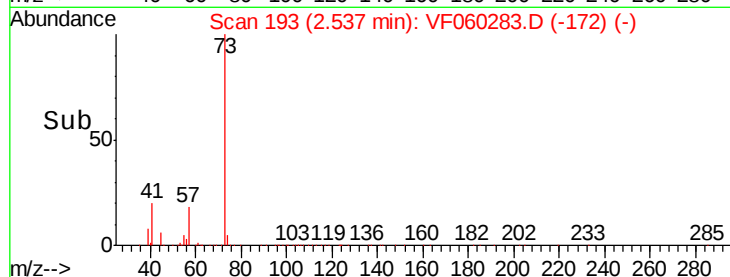
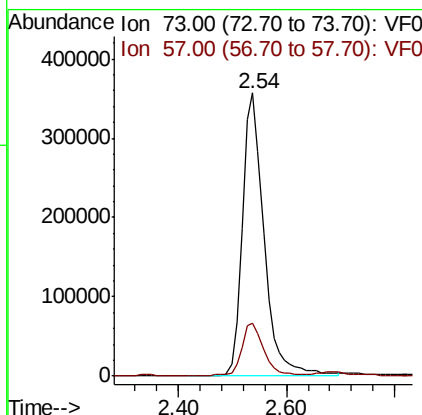
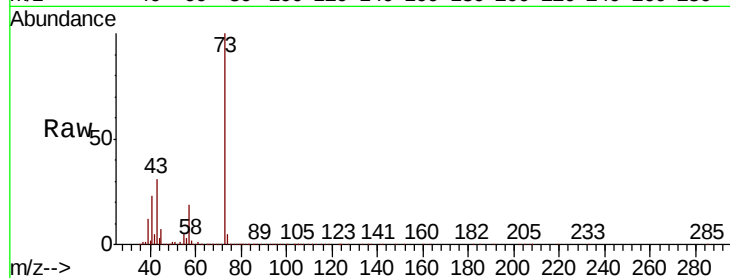


#19

Methyl tert-butyl Ether
 Concen: 132.200 ug/l
 RT: 2.54 min Scan# 193
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

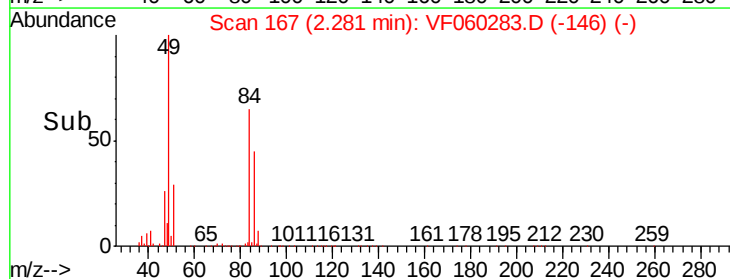
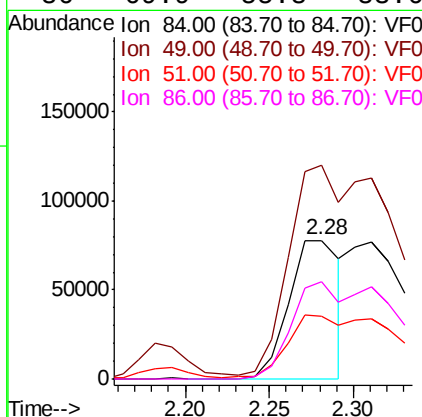
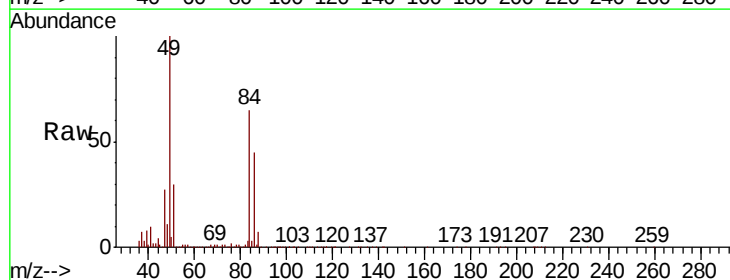
Tgt Ion: 73 Resp: 994029
 Ion Ratio Lower Upper
 73 100
 57 18.7 14.5 21.7

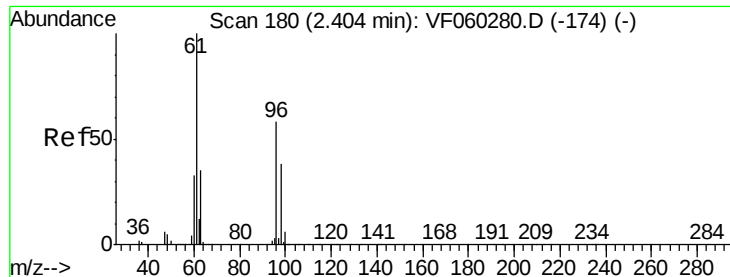


#20

Methylene Chloride
 Concen: 46.046 ug/l
 RT: 2.28 min Scan# 167
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Tgt Ion: 84 Resp: 164512
 Ion Ratio Lower Upper
 84 100
 49 154.3 118.3 177.5
 51 45.5 38.7 58.1
 86 69.9 55.8 83.6





#21

trans-1,2-Dichloroethene

Concen: 126.857 ug/l

RT: 2.41 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

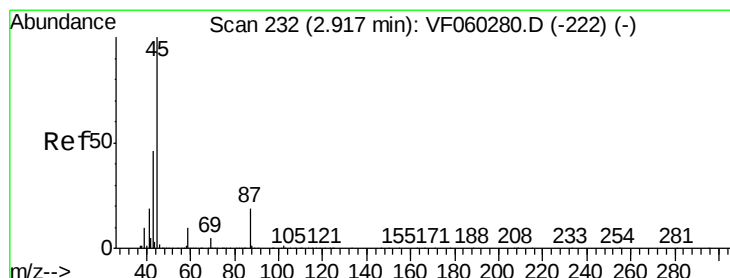
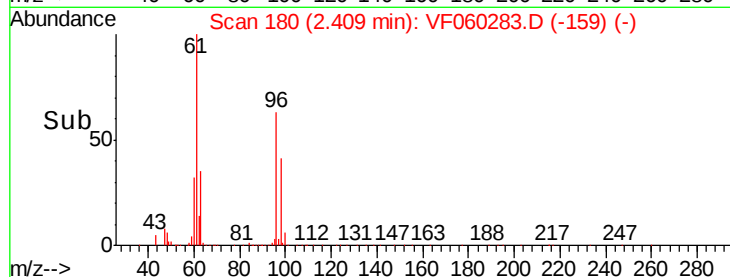
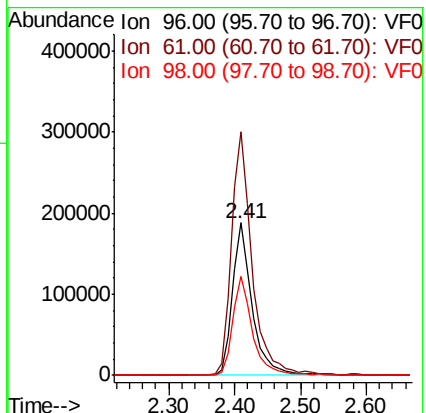
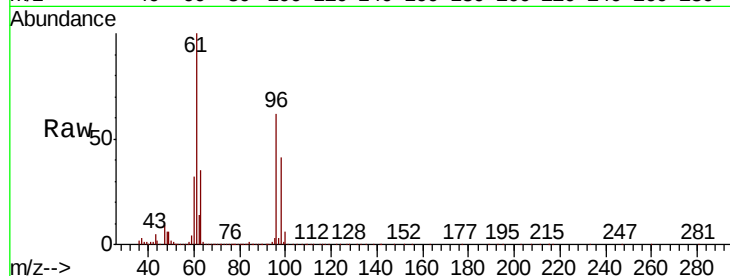
Tgt Ion: 96 Resp: 395182

Ion Ratio Lower Upper

96 100

61 160.1 136.4 204.6

98 64.8 51.8 77.6



#22

Diisopropyl ether

Concen: 128.426 ug/l

RT: 2.92 min Scan# 232

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Tgt Ion: 45 Resp: 1275344

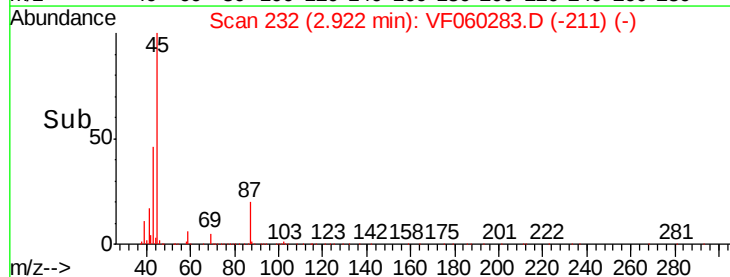
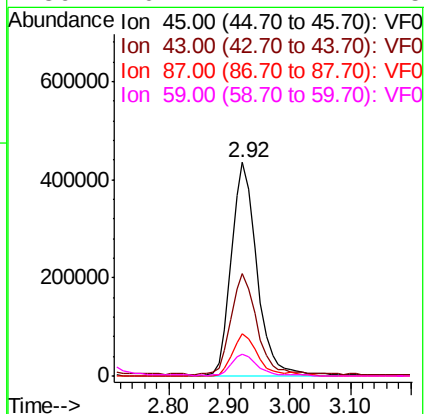
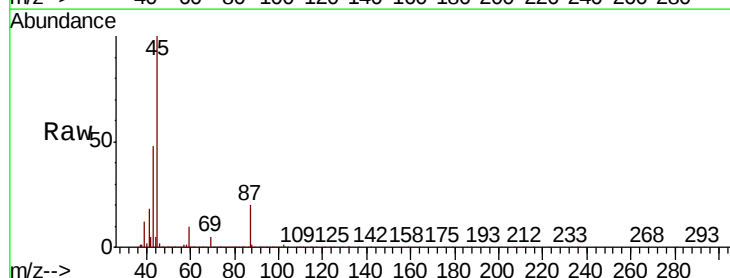
Ion Ratio Lower Upper

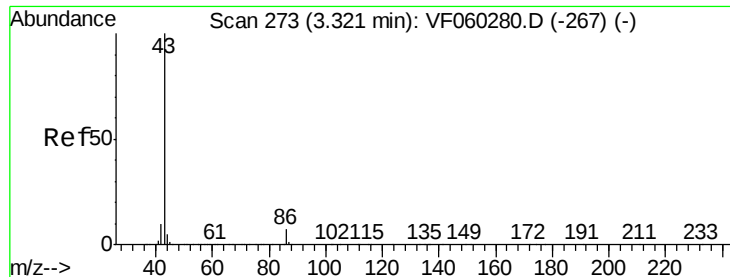
45 100

43 47.8 38.2 57.2

87 19.8 15.5 23.3

59 10.2 7.7 11.5





#23

Vinyl Acetate

Concen: 667.266 ug/l

RT: 3.33 min Scan# 273

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

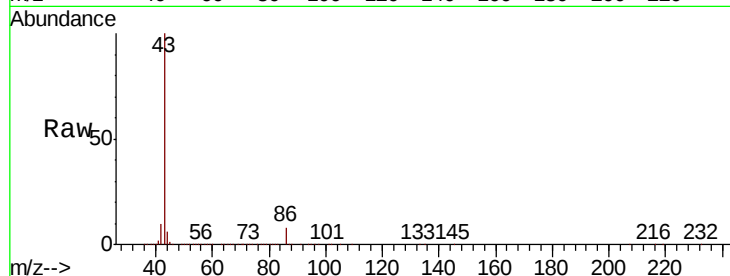
VSTDIC150

Tgt Ion: 43 Resp: 2602495

Ion Ratio Lower Upper

43 100

86 8.2 5.9 8.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.33

1000000

800000

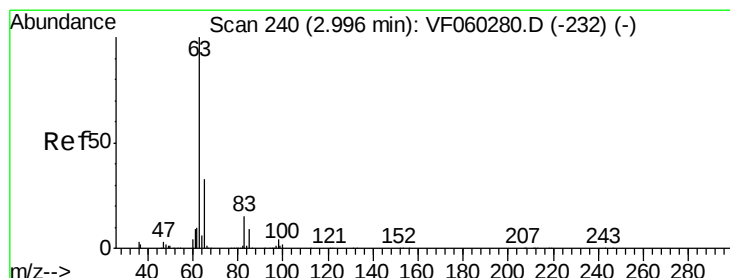
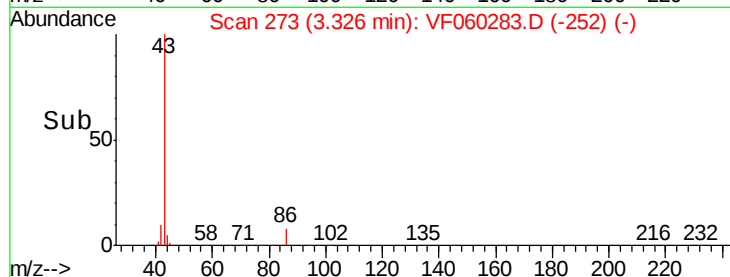
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 126.242 ug/l

RT: 3.00 min Scan# 240

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

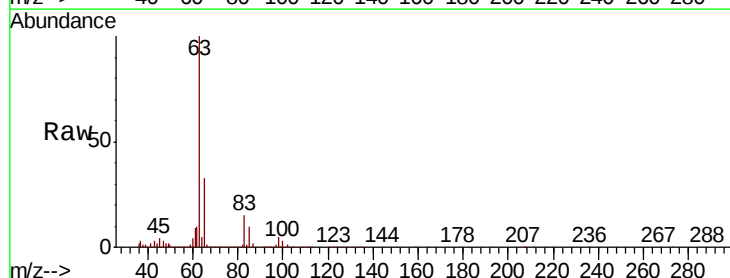
Tgt Ion: 63 Resp: 813043

Ion Ratio Lower Upper

63 100

98 5.0 2.1 6.5

100 3.0 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

3.00

400000

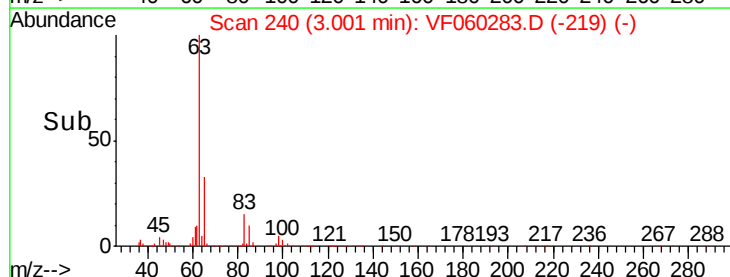
300000

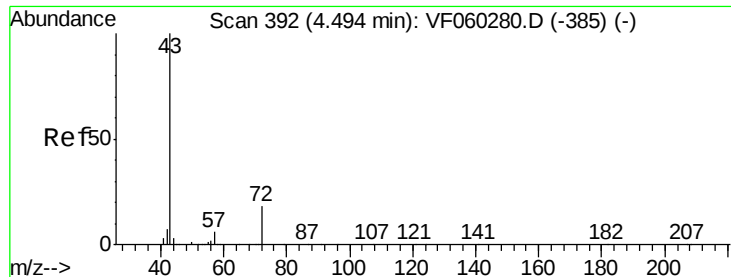
200000

100000

0

Time-->





#25

2-Butanone

Concen: 677.920 ug/l

RT: 4.50 min Scan# 392

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

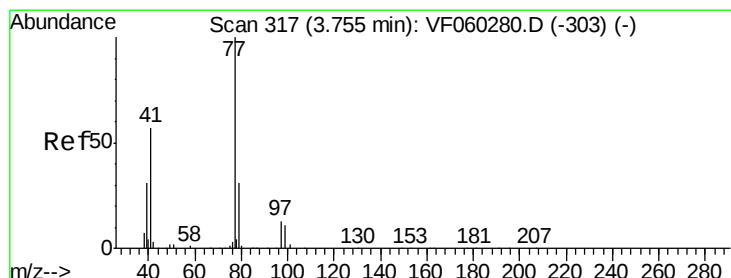
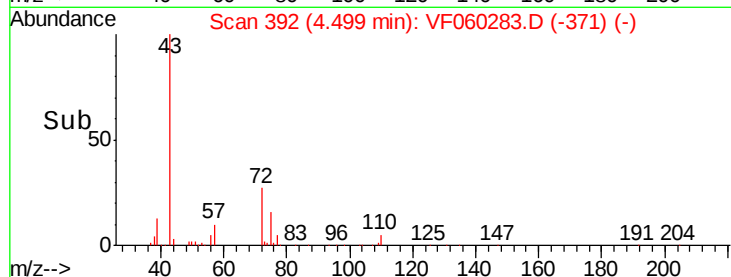
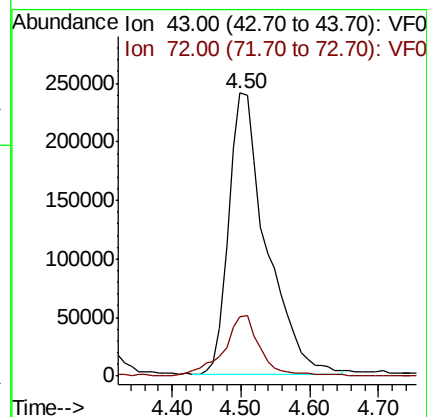
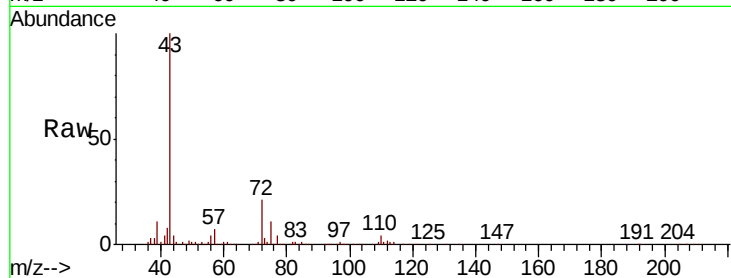
VSTDIC150

Tgt Ion: 43 Resp: 917108

Ion Ratio Lower Upper

43 100

72 20.8 16.2 24.2



#26

2,2-Dichloropropane

Concen: 123.903 ug/l

RT: 3.76 min Scan# 317

Delta R.T. 0.00 min

Lab File: VF060283.D

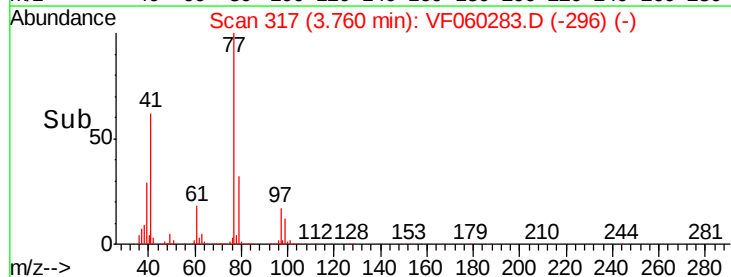
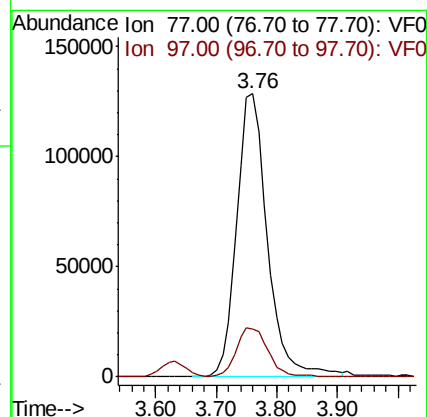
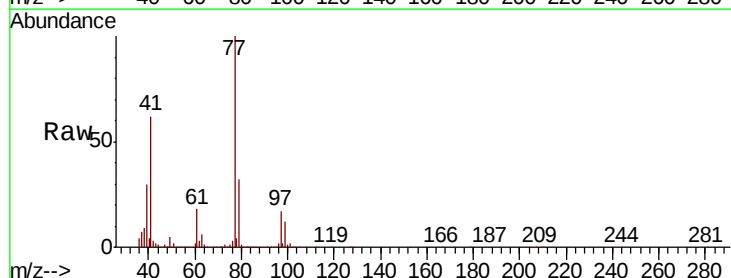
Acq: 19 Sep 2018 15:38

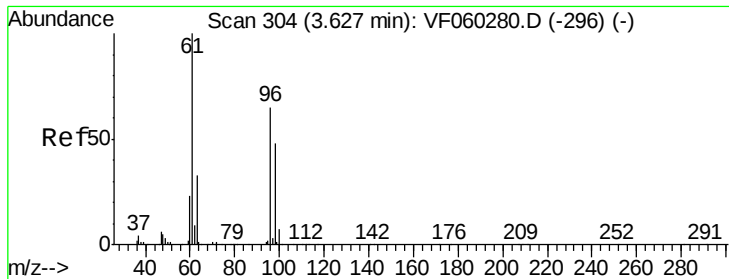
Tgt Ion: 77 Resp: 455308

Ion Ratio Lower Upper

77 100

97 17.0 9.3 27.9



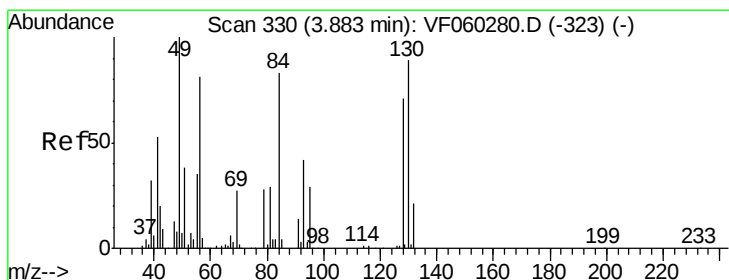
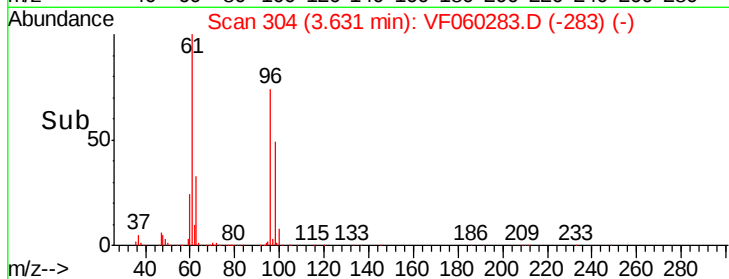
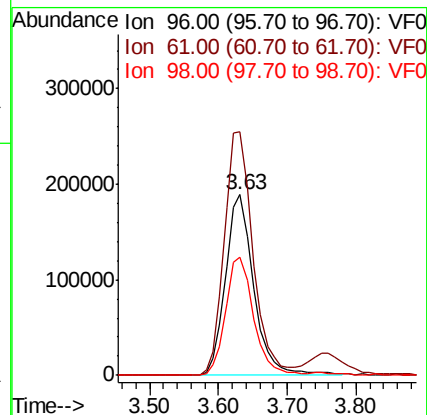
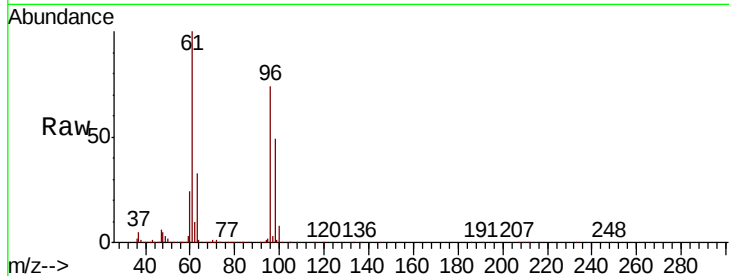


#27

cis-1,2-Dichloroethene
 Concen: 132.179 ug/l
 RT: 3.63 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

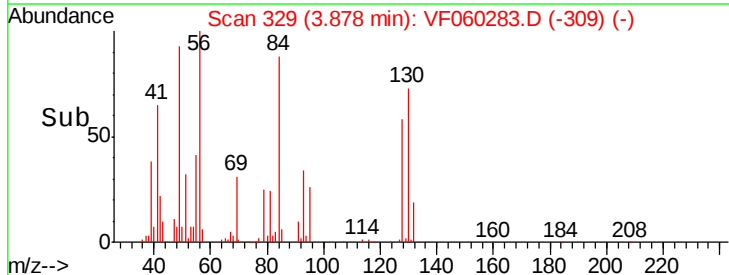
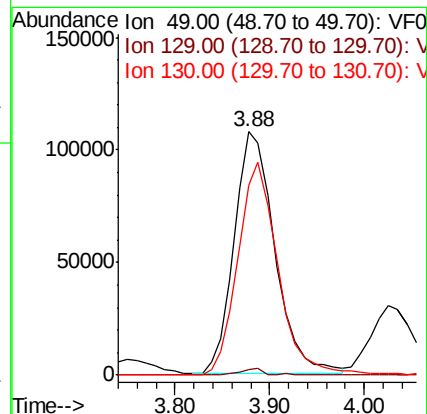
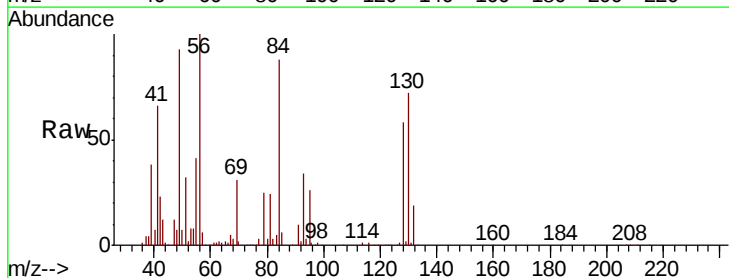
Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.7	0.0	304.8
98	65.5	0.0	146.4

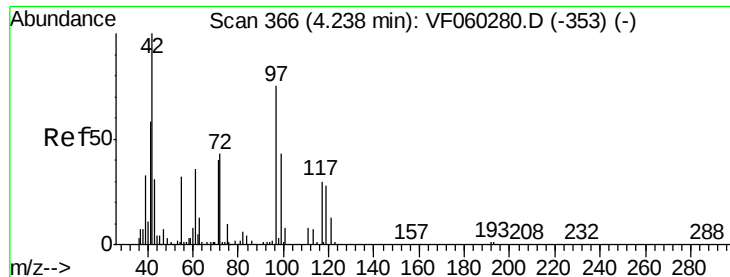


#28

Bromochloromethane
 Concen: 128.275 ug/l
 RT: 3.88 min Scan# 329
 Delta R.T. -0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	77.8	70.3	105.5

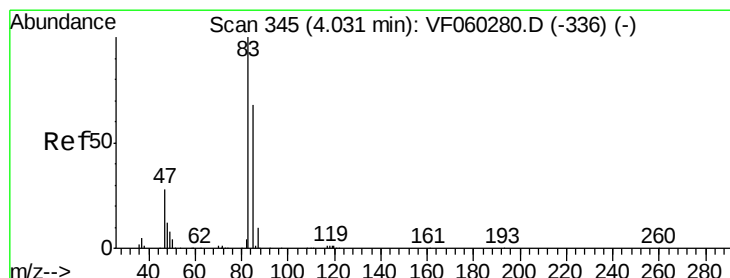
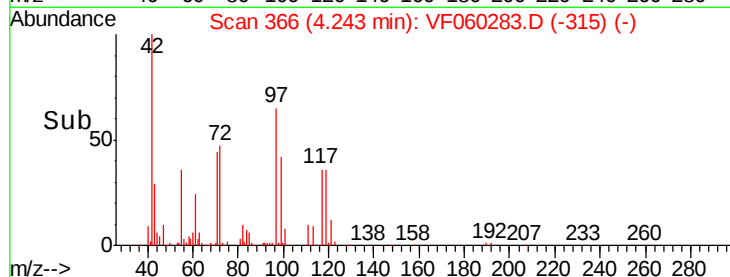
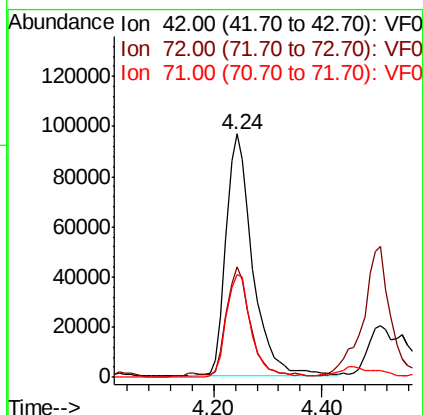
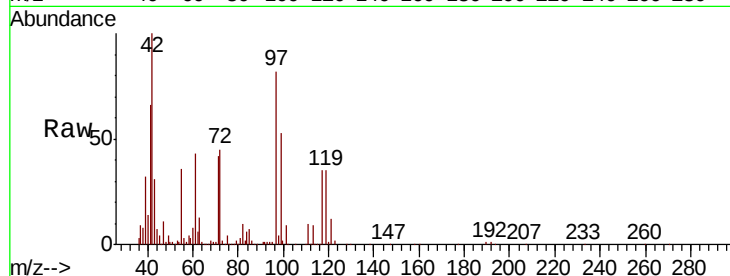




#29
Tetrahydrofuran
Concen: 660.469 ug/l
RT: 4.24 min Scan# 366
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

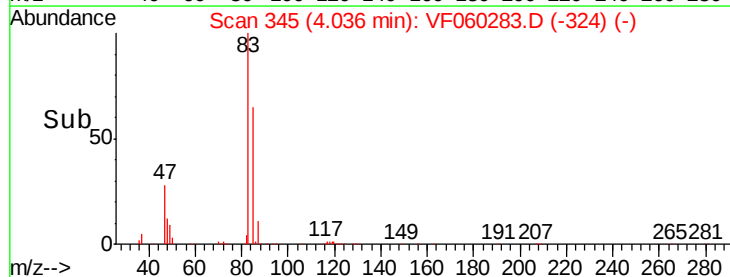
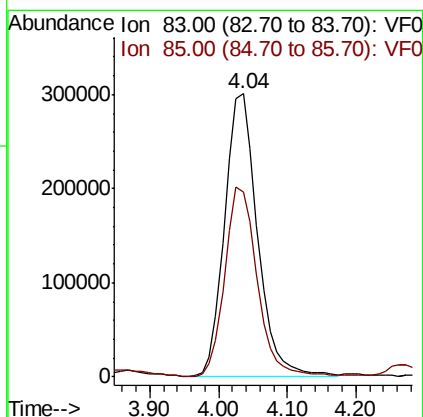
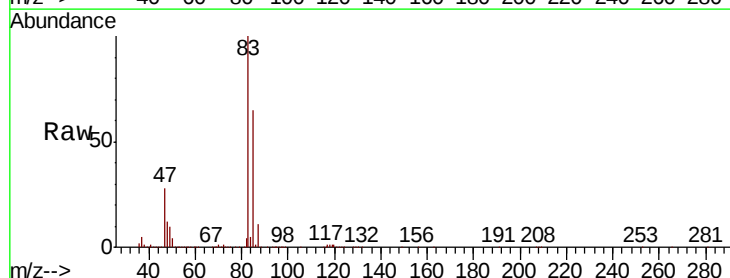
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

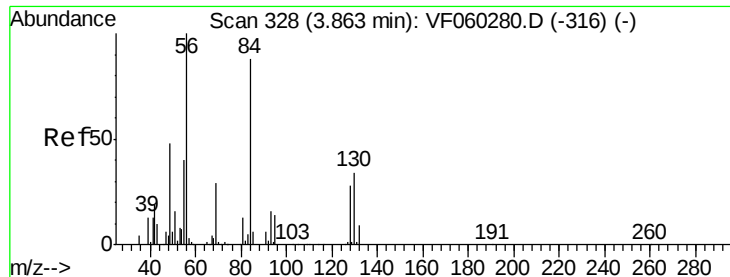
Tgt Ion: 42 Resp: 327203
Ion Ratio Lower Upper
42 100
72 39.2 32.6 49.0
71 41.0 32.7 49.1



#30
Chloroform
Concen: 127.913 ug/l
RT: 4.04 min Scan# 345
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Tgt Ion: 83 Resp: 994008
Ion Ratio Lower Upper
83 100
85 65.3 54.9 82.3

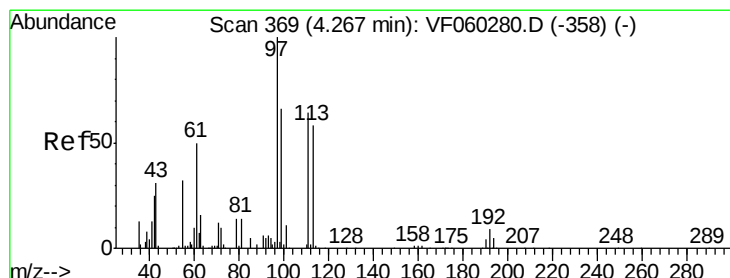
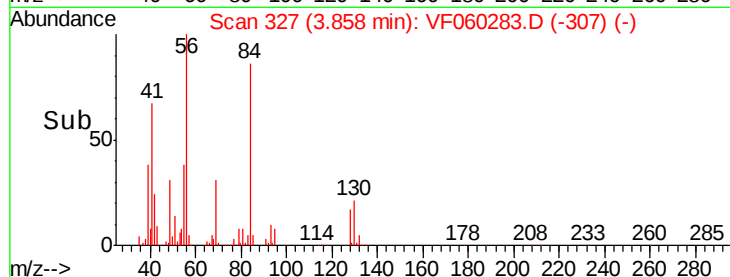
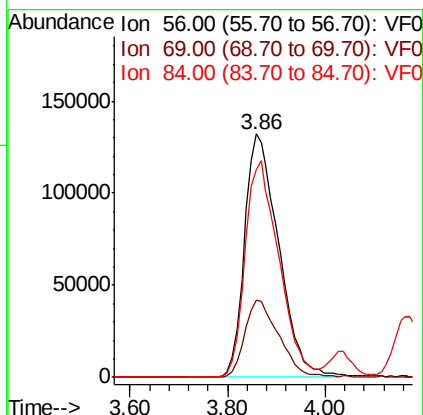
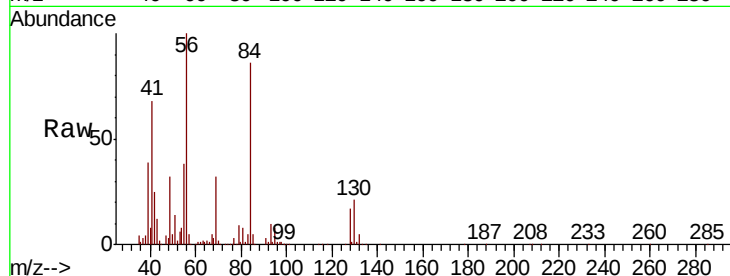




#31
Cyclohexane
Concen: 118.091 ug/l
RT: 3.86 min Scan# 327
Delta R.T. -0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

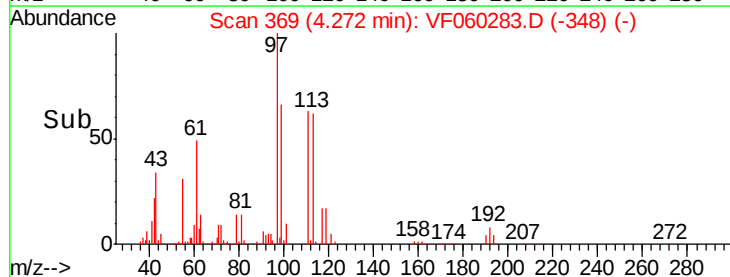
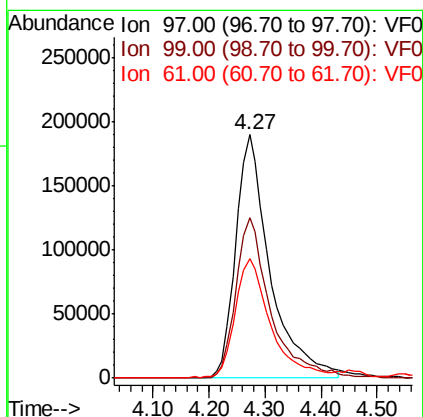
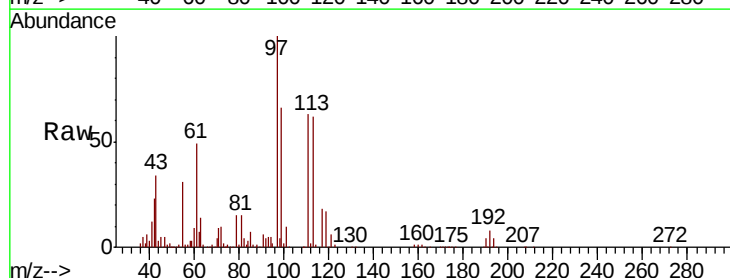
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

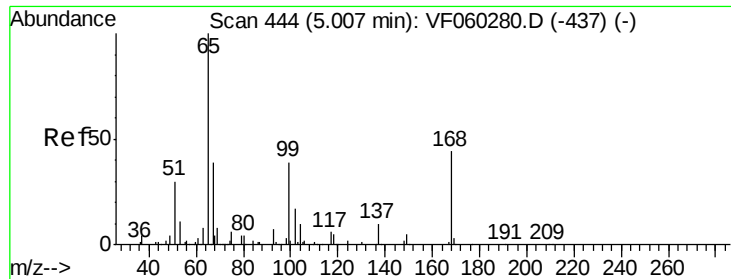
Tgt Ion: 56 Resp: 642408
Ion Ratio Lower Upper
56 100
69 31.6 23.8 35.6
84 85.5 70.2 105.4



#32
1,1,1-Trichloroethane
Concen: 131.757 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Tgt Ion: 97 Resp: 807896
Ion Ratio Lower Upper
97 100
99 66.1 53.0 79.4
61 49.1 40.6 61.0

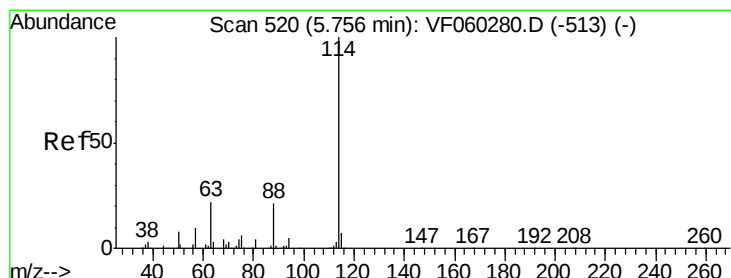
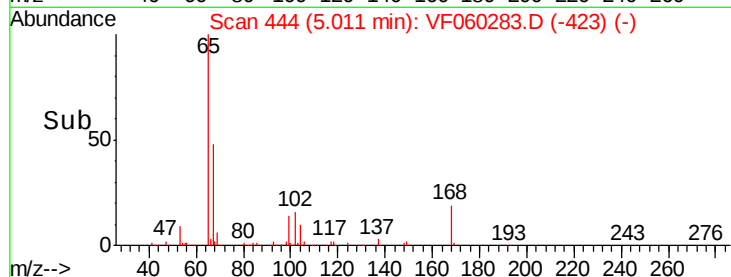
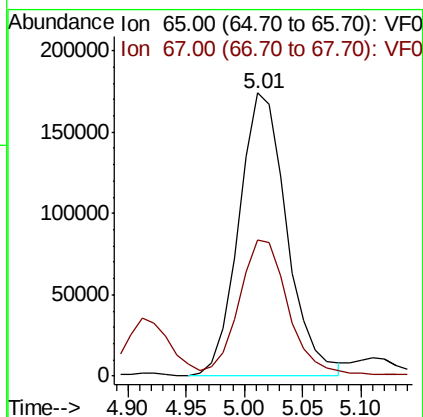
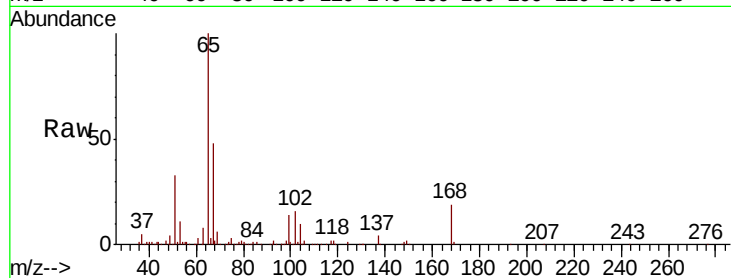




#33
 1,2-Dichloroethane-d4
 Concen: 138.482 ug/l
 RT: 5.01 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

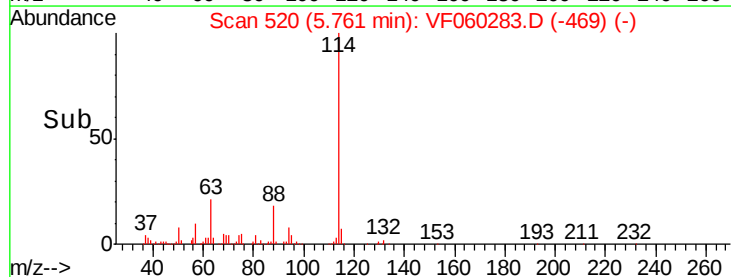
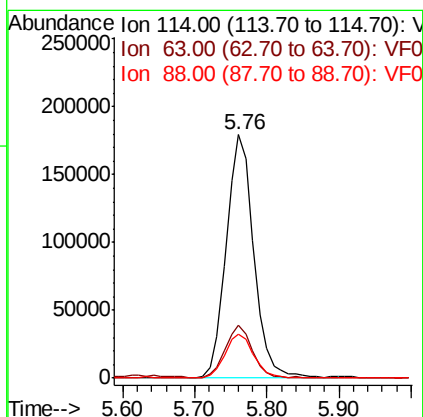
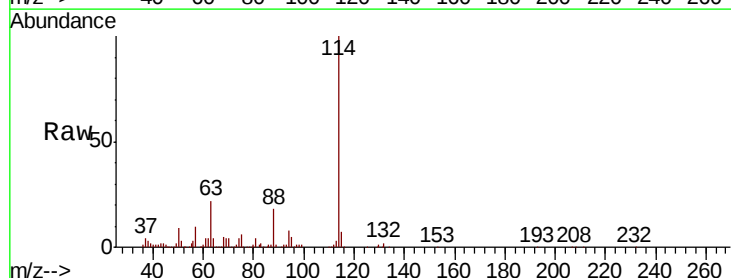
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

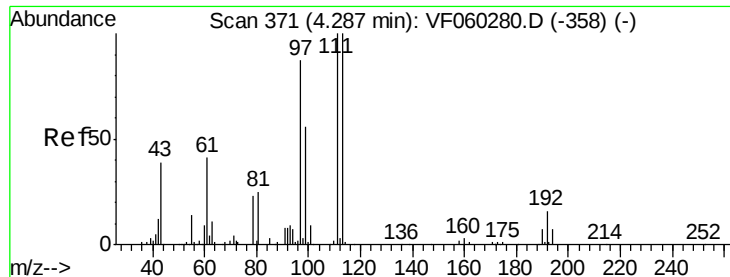
Tgt Ion: 65 Resp: 494225
 Ion Ratio Lower Upper
 65 100
 67 48.3 0.0 94.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Tgt Ion: 114 Resp: 476921
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.8
 88 18.1 0.0 41.2

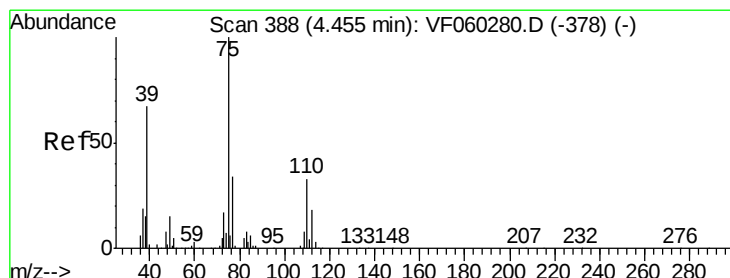
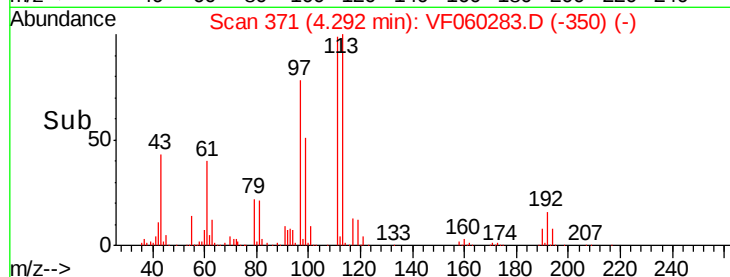
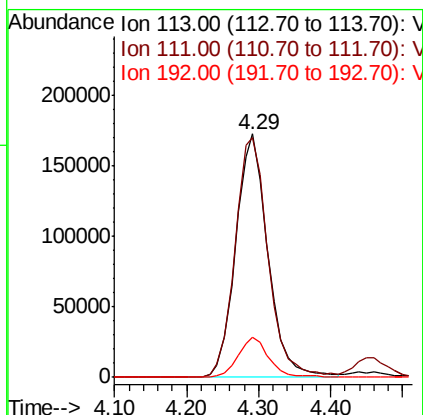
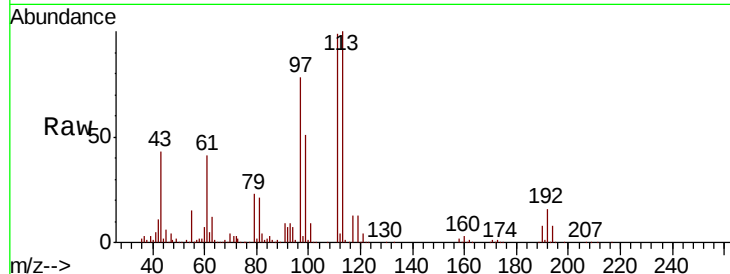




#35
 Dibromofluoromethane
 Concen: 126.062 ug/l
 RT: 4.29 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

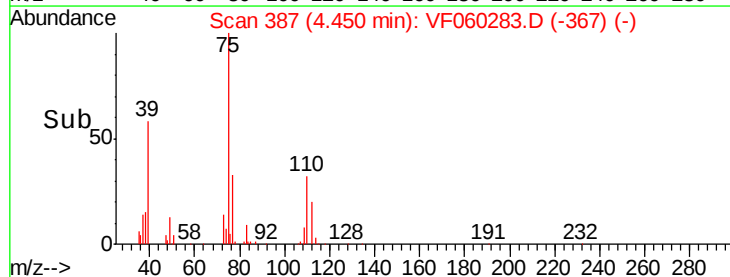
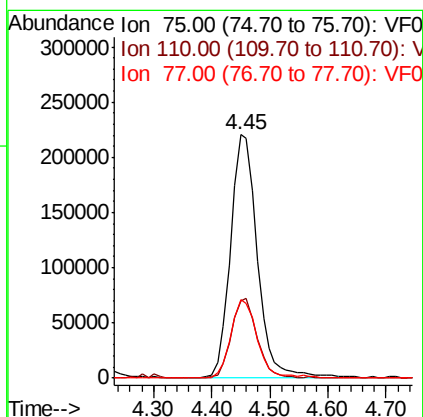
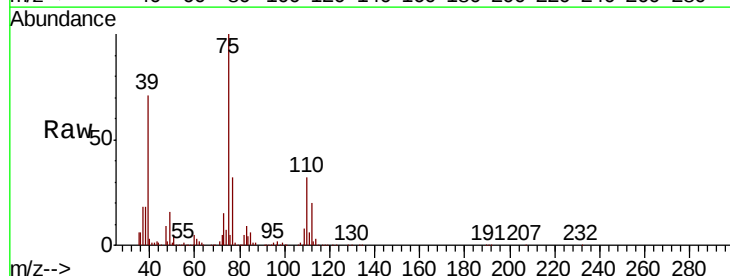
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

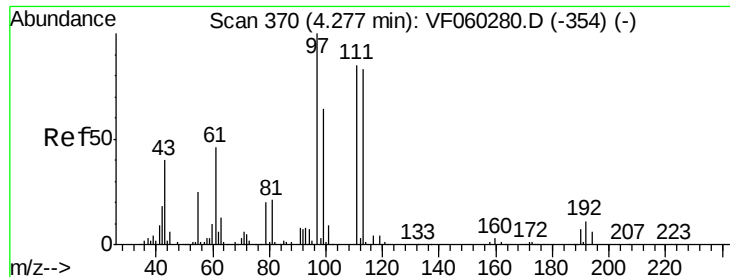
Tgt Ion	Ratio	Lower	Upper
113	100		
111	98.6	79.6	119.4
192	16.3	13.0	19.6



#36
 1,1-Dichloropropene
 Concen: 118.112 ug/l
 RT: 4.45 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.4	49.2
77	32.4	27.3	40.9





#37

Ethyl Acetate

Concen: 123.502 ug/l

RT: 4.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

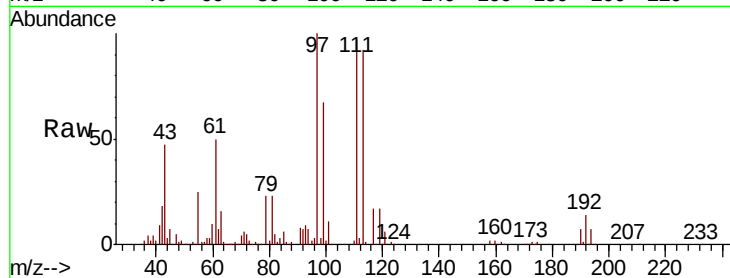
Tgt Ion: 43 Resp: 310874

Ion Ratio Lower Upper

43 100

61 107.3 91.1 136.7

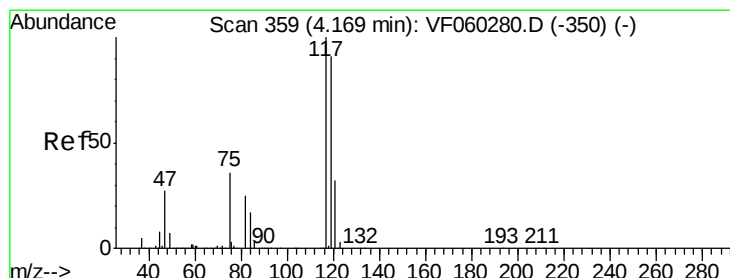
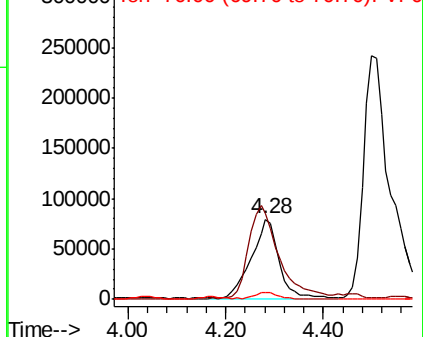
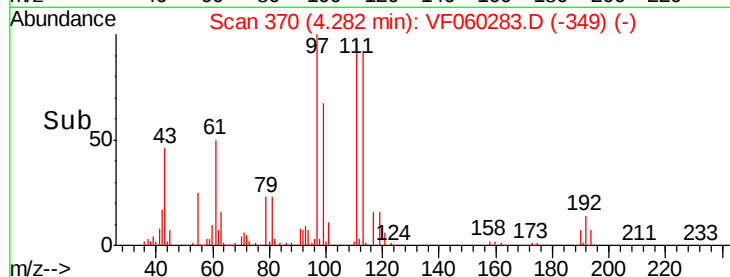
70 8.9 6.9 10.3



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: 130.314 ug/l

RT: 4.16 min Scan# 358

Delta R.T. -0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

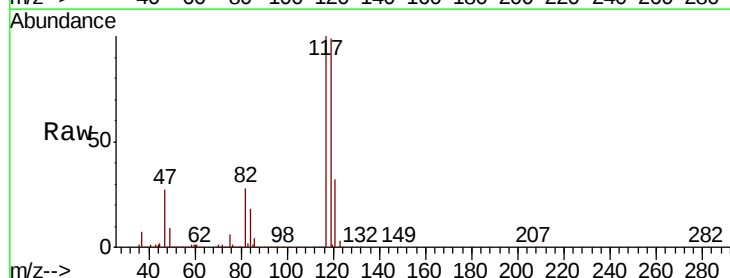
Tgt Ion: 117 Resp: 884603

Ion Ratio Lower Upper

117 100

119 99.0 73.0 109.6

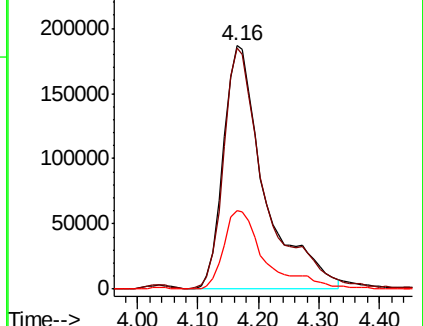
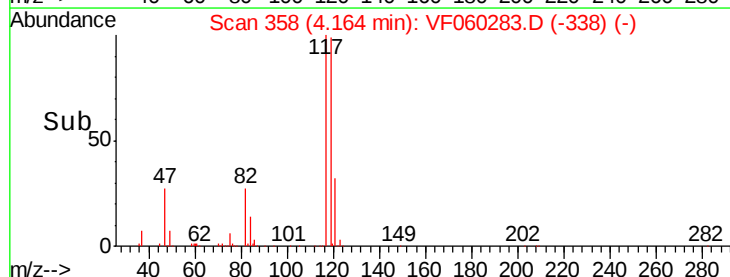
121 32.1 25.4 38.2

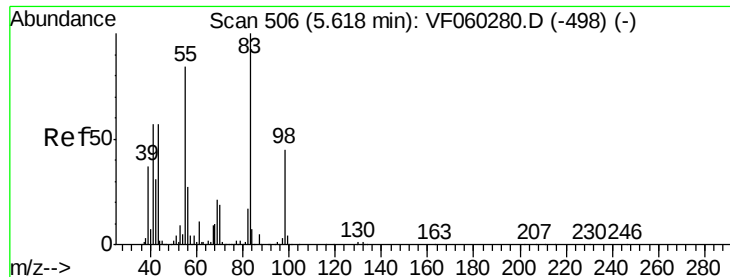


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

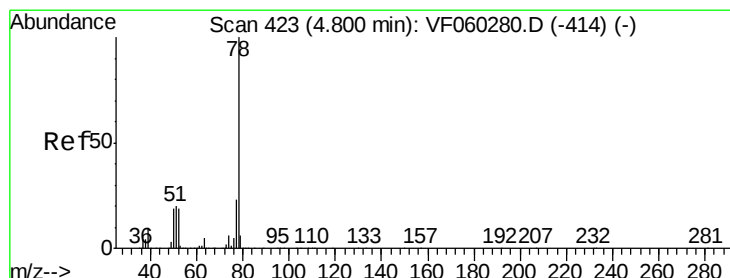
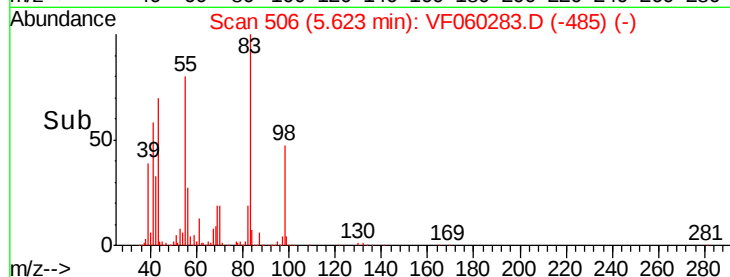
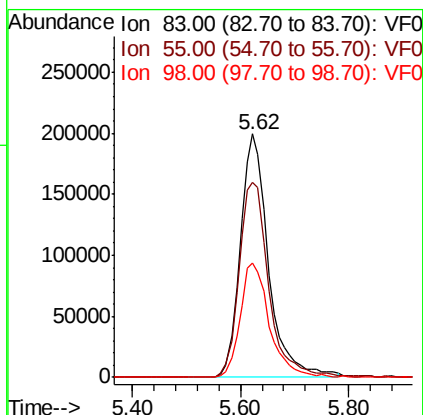
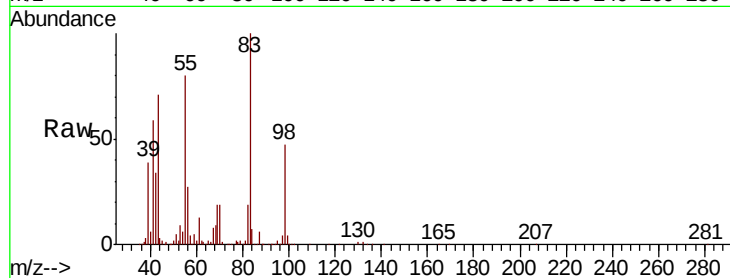




#39
Methylcyclohexane
Concen: 111.876 ug/l
RT: 5.62 min Scan# 506
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

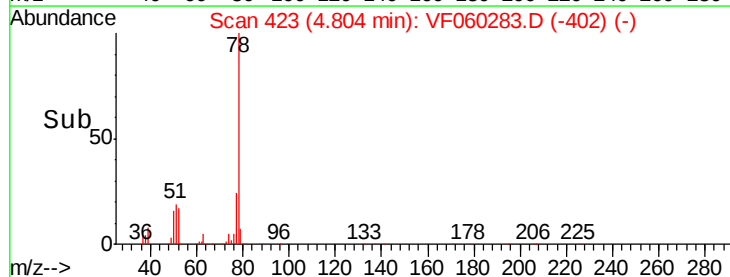
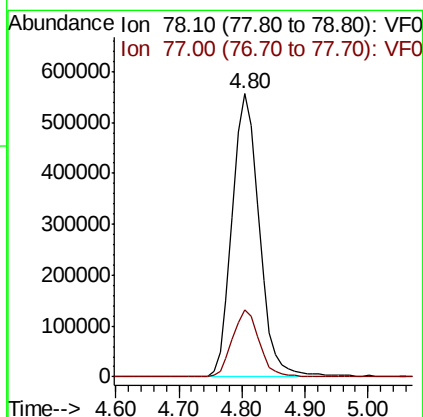
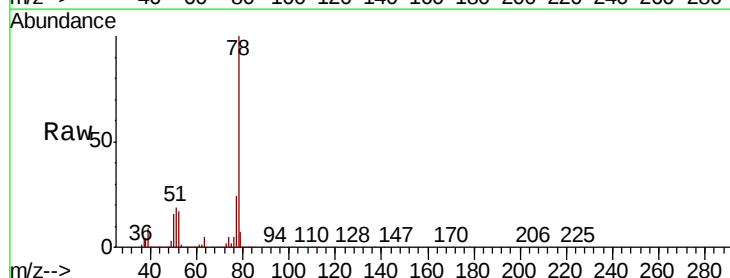
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

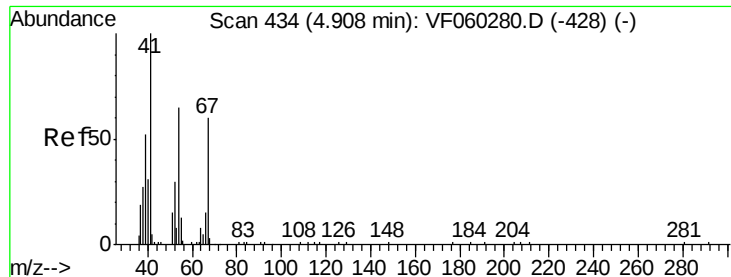
Tgt Ion: 83 Resp: 721316
Ion Ratio Lower Upper
83 100
55 80.3 67.3 100.9
98 47.0 36.1 54.1



#40
Benzene
Concen: 123.033 ug/l
RT: 4.80 min Scan# 423
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Tgt Ion: 78 Resp: 1659607
Ion Ratio Lower Upper
78 100
77 23.7 18.4 27.6





#41

Methacrylonitrile

Concen: 126.558 ug/l

RT: 4.91 min Scan# 434

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 172861

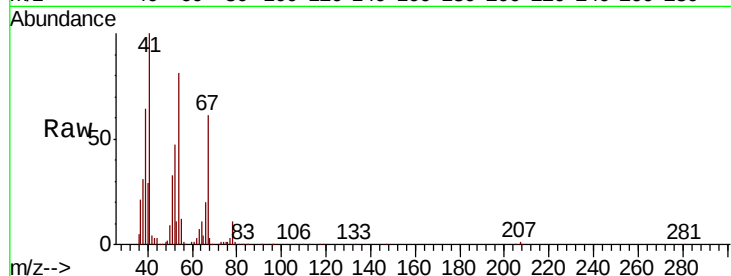
Ion Ratio Lower Upper

41 100

39 64.3 49.1 73.7

67 60.8 48.2 72.4

52 46.8 35.8 53.8

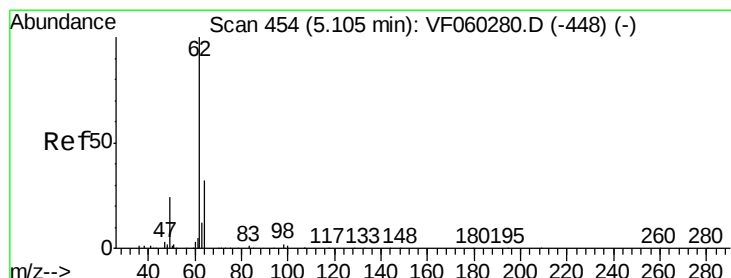
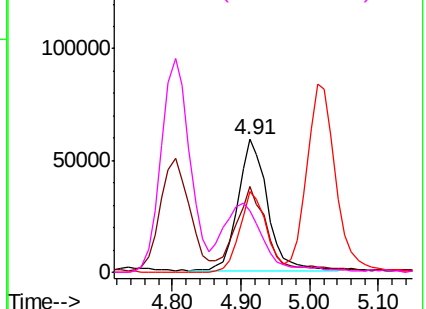
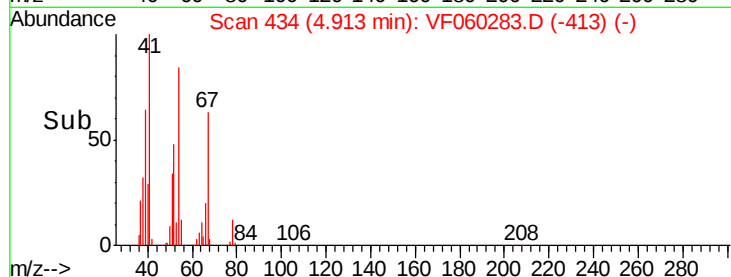


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 132.535 ug/l

RT: 5.11 min Scan# 454

Delta R.T. 0.00 min

Lab File: VF060283.D

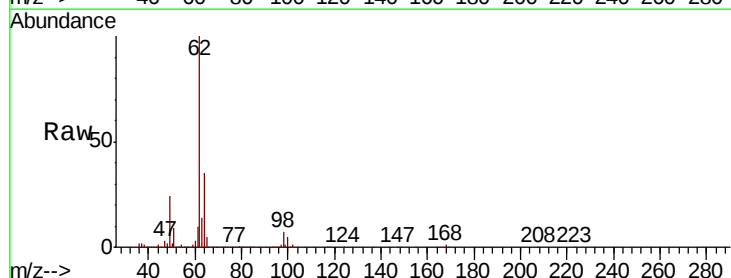
Acq: 19 Sep 2018 15:38

Tgt Ion: 62 Resp: 658039

Ion Ratio Lower Upper

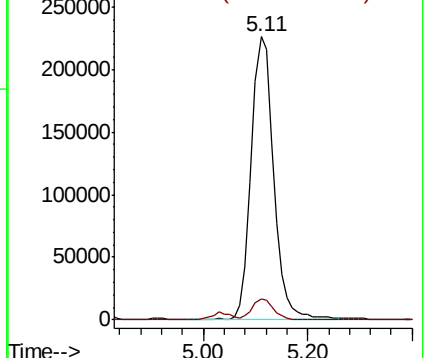
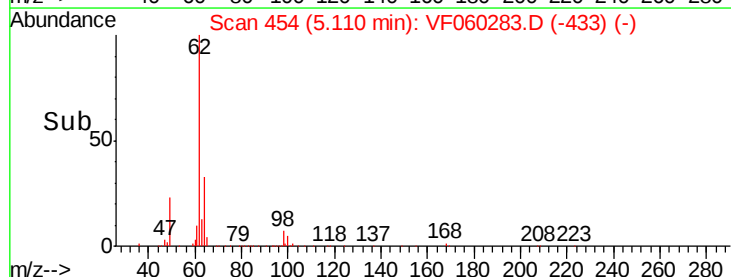
62 100

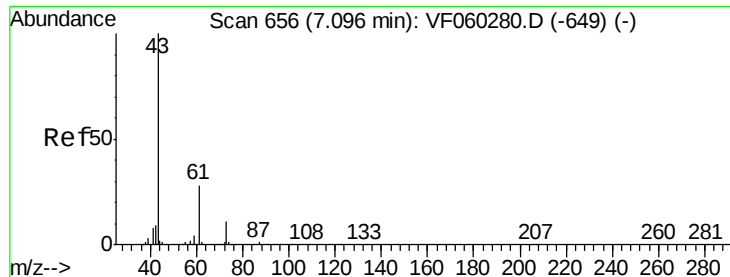
98 7.3 0.0 14.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 138.073 ug/l

RT: 7.10 min Scan# 656

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

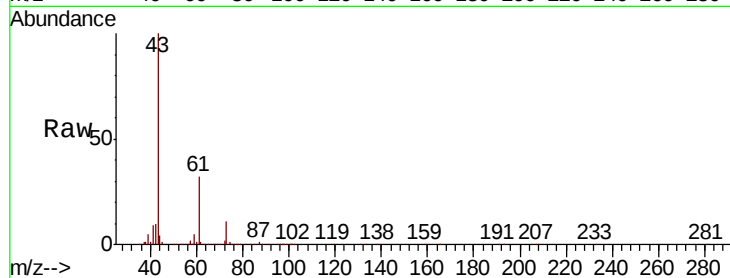
Tgt Ion: 43 Resp: 418404

Ion Ratio Lower Upper

43 100

61 31.9 22.4 33.6

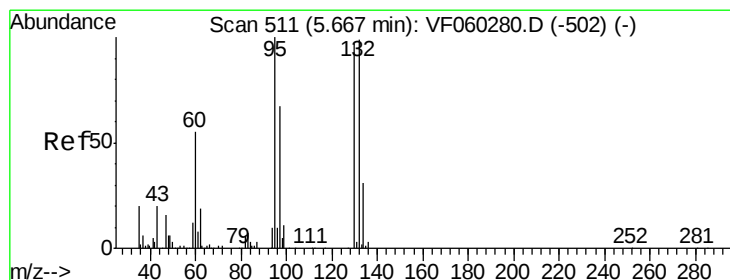
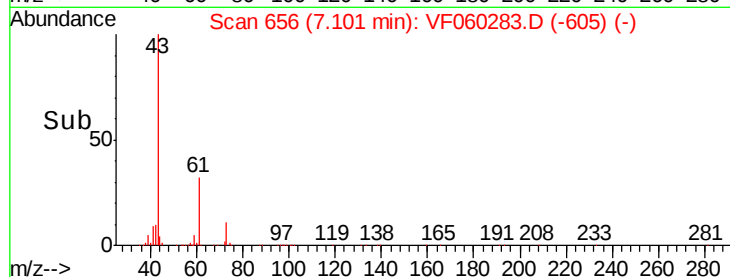
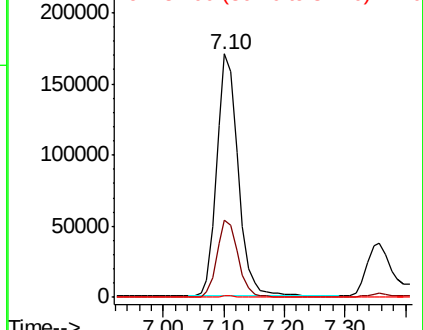
87 0.6 0.6 0.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 119.665 ug/l

RT: 5.67 min Scan# 511

Delta R.T. 0.00 min

Lab File: VF060283.D

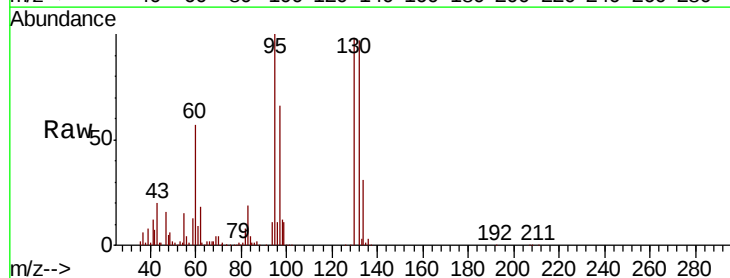
Acq: 19 Sep 2018 15:38

Tgt Ion: 130 Resp: 480390

Ion Ratio Lower Upper

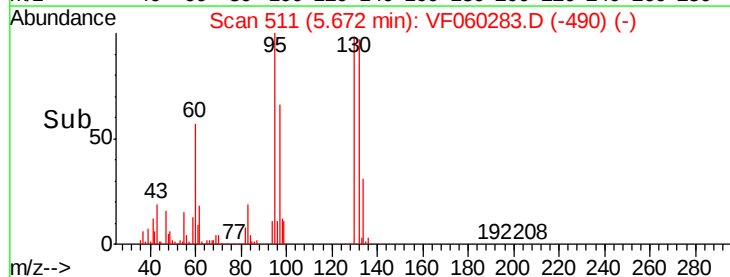
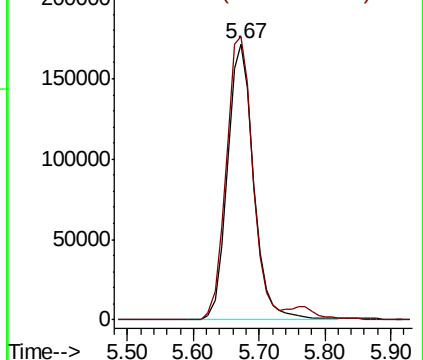
130 100

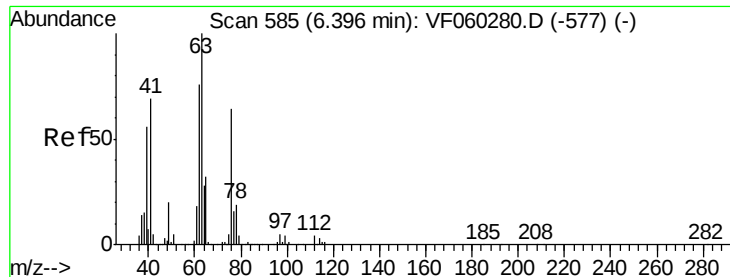
95 102.5 0.0 205.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 126.553 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

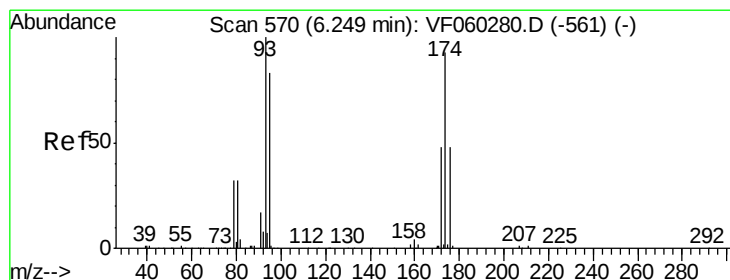
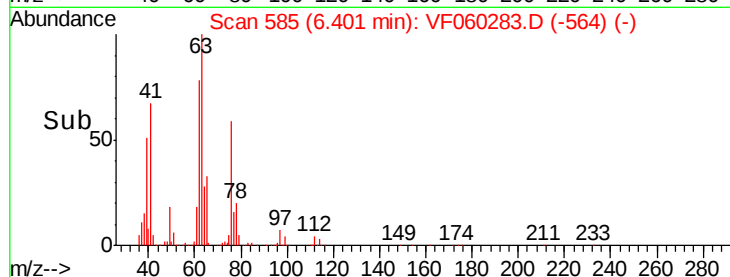
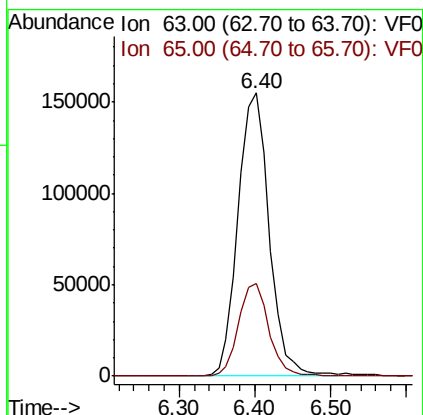
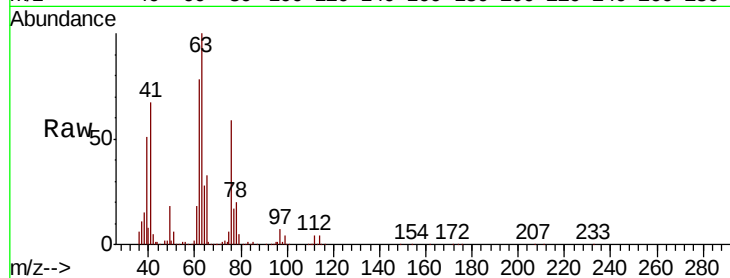
VSTDIC150

Tgt Ion: 63 Resp: 441802

Ion Ratio Lower Upper

63 100

65 32.7 26.2 39.4



#46

Dibromomethane

Concen: 130.806 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

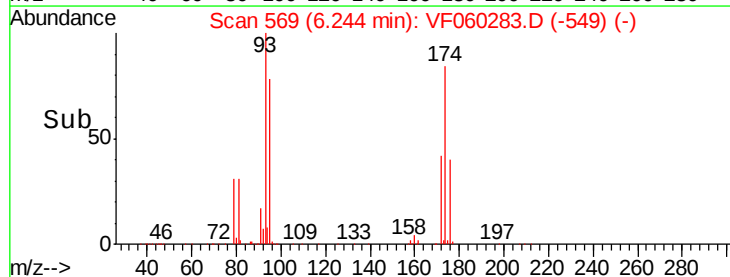
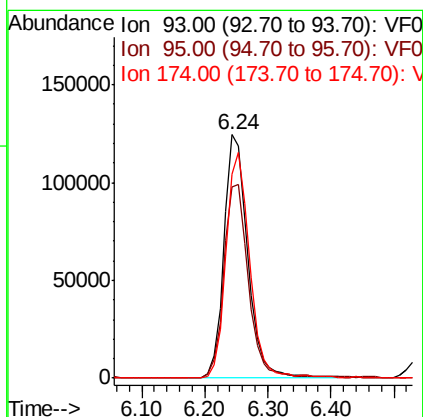
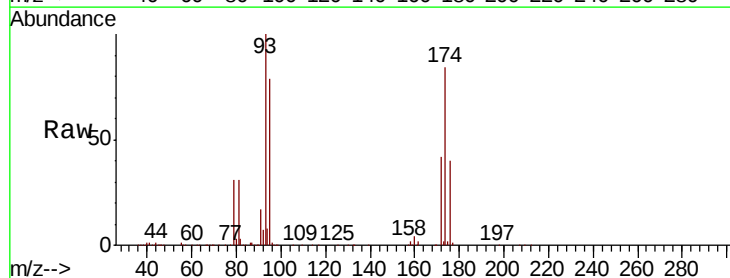
Tgt Ion: 93 Resp: 326415

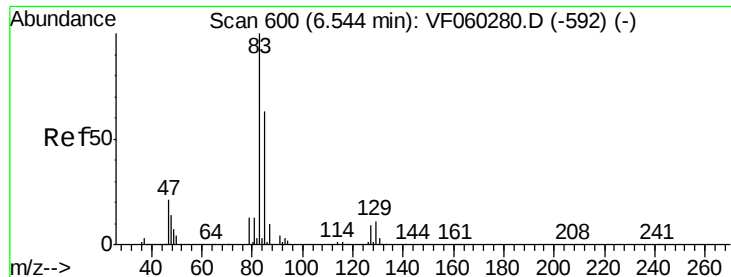
Ion Ratio Lower Upper

93 100

95 78.5 67.0 100.6

174 83.7 74.8 112.2





#47

Bromodichloromethane

Concen: 128.378 ug/l

RT: 6.54 min Scan# 599

Delta R.T. -0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

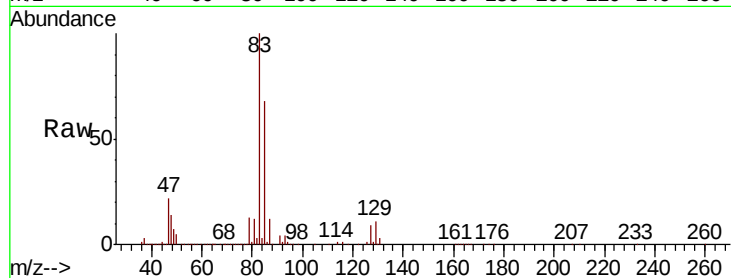
Tgt Ion: 83 Resp: 769864

Ion Ratio Lower Upper

83 100

85 67.6 50.6 76.0

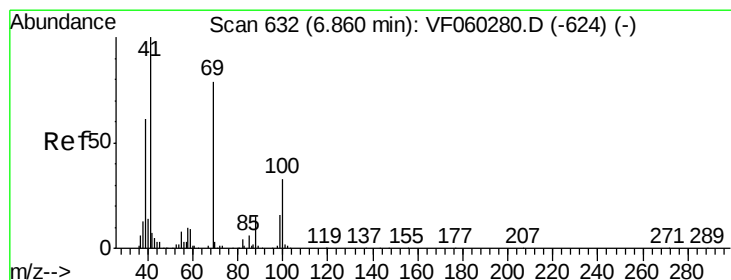
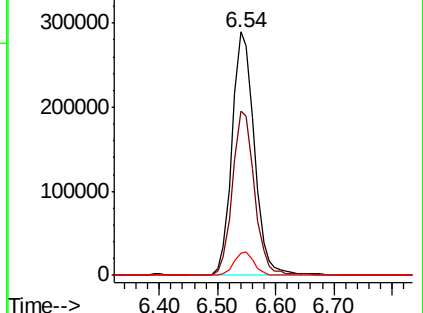
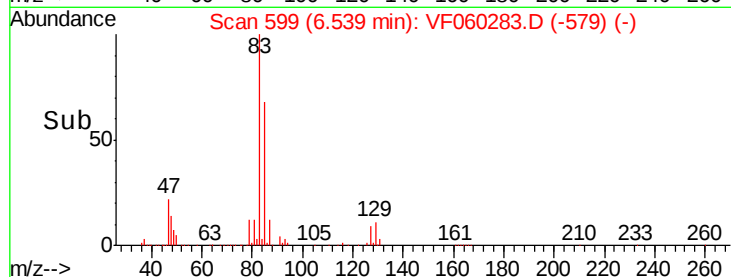
127 9.4 7.1 10.7



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: 129.082 ug/l

RT: 6.86 min Scan# 632

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

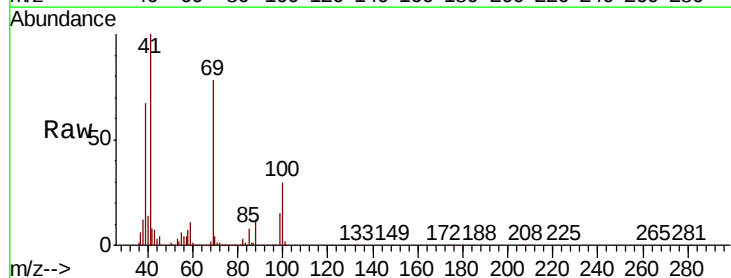
Tgt Ion: 41 Resp: 274582

Ion Ratio Lower Upper

41 100

69 78.0 62.6 94.0

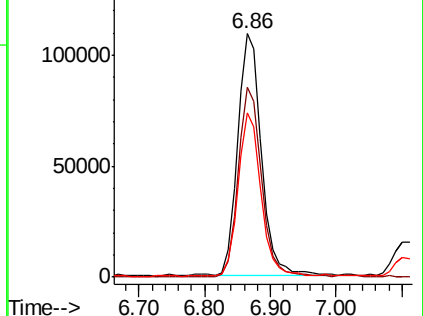
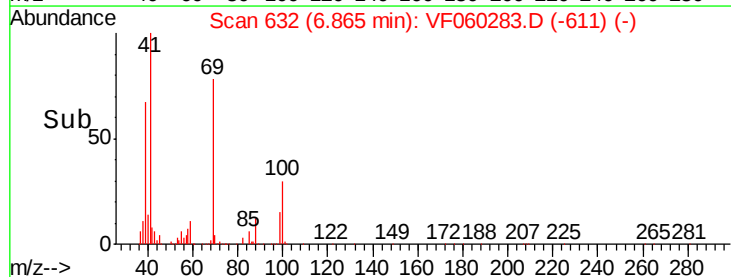
39 67.3 49.1 73.7

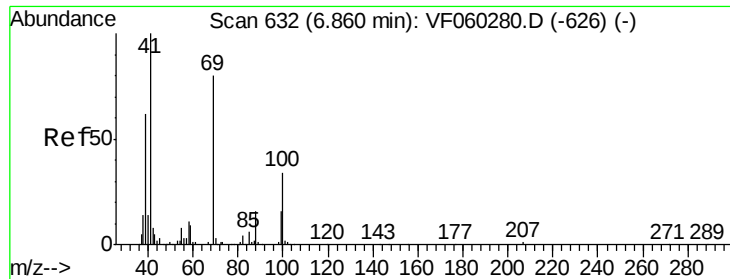


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 2645.678 ug/l

RT: 6.85 min Scan# 631

Delta R.T. -0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

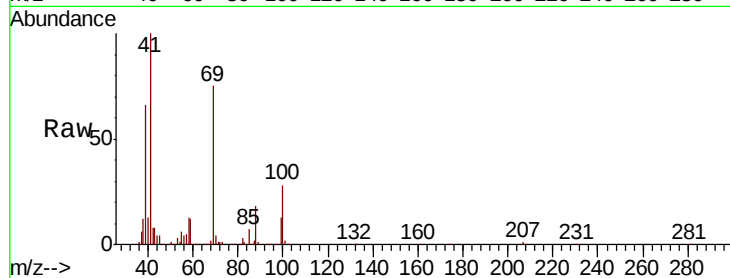
Tgt Ion: 88 Resp: 50279

Ion Ratio Lower Upper

88 100

43 47.1 40.2 60.4

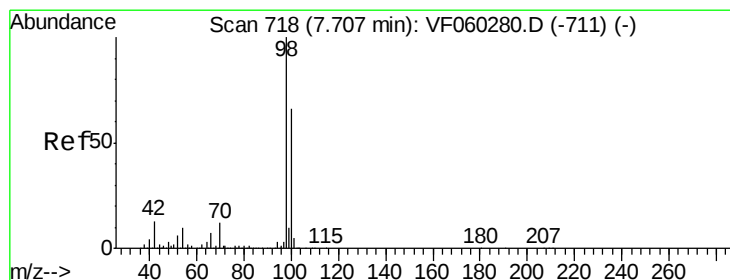
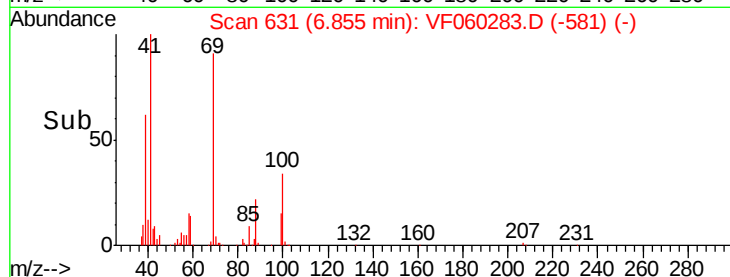
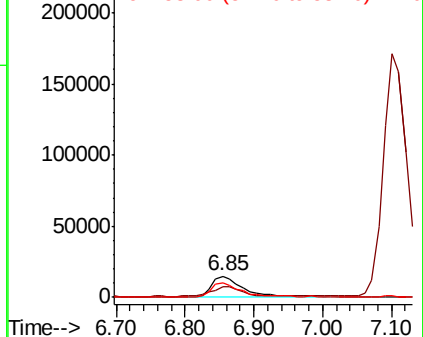
58 70.0 56.7 85.1



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 125.122 ug/l

RT: 7.70 min Scan# 717

Delta R.T. -0.00 min

Lab File: VF060283.D

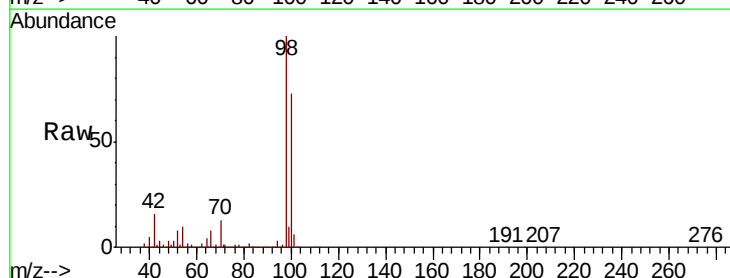
Acq: 19 Sep 2018 15:38

Tgt Ion: 98 Resp: 1385298

Ion Ratio Lower Upper

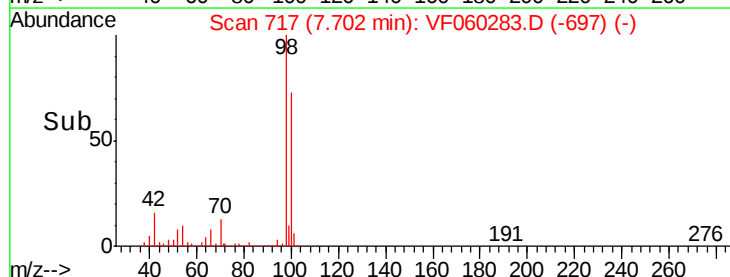
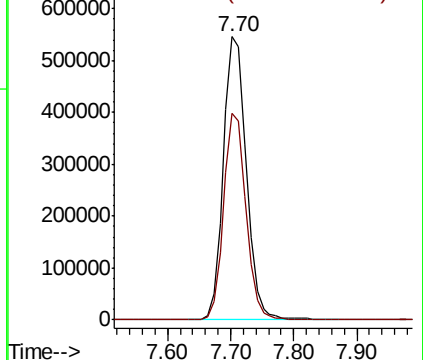
98 100

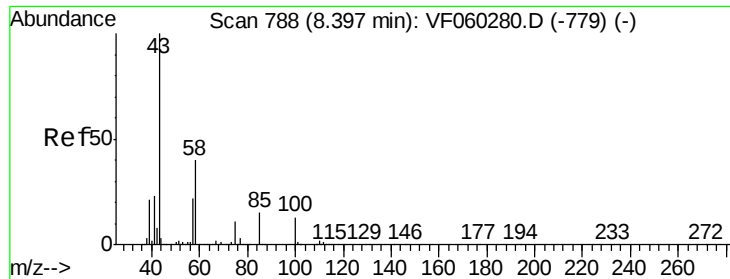
100 72.9 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

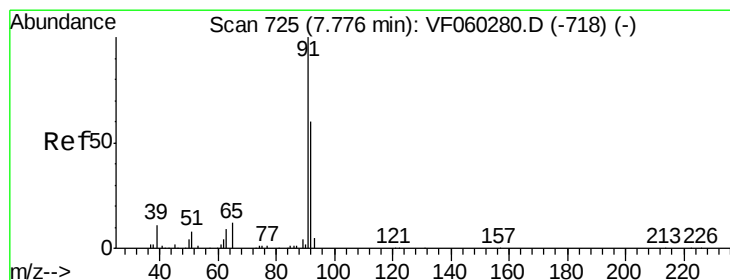
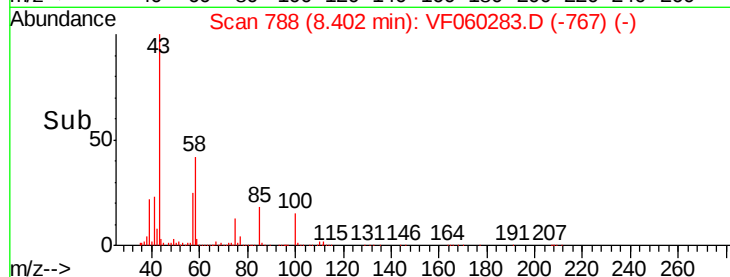
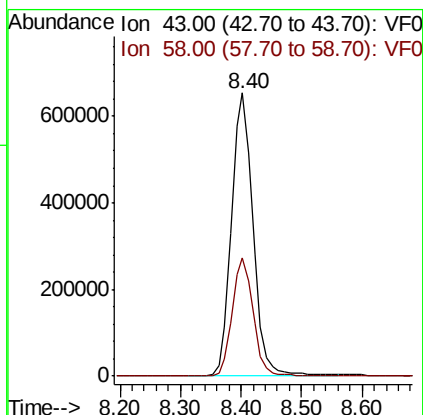
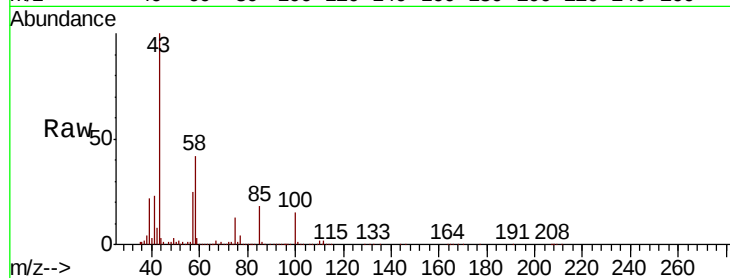




#51
 4-Methyl-2-Pentanone
 Concen: 691.192 ug/l
 RT: 8.40 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

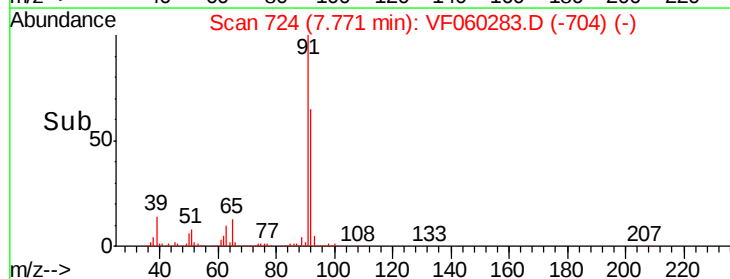
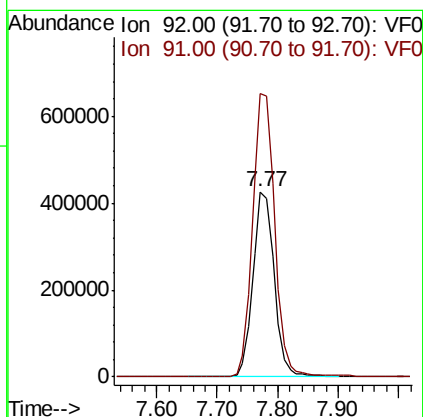
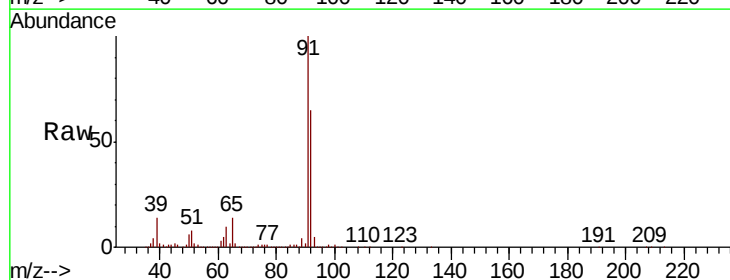
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

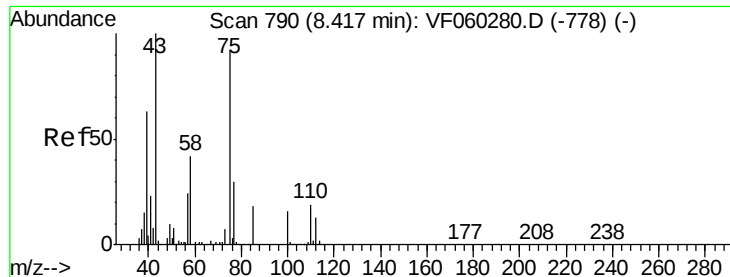
Tgt Ion: 43 Resp: 1614335
 Ion Ratio Lower Upper
 43 100
 58 42.0 31.8 47.8



#52
 Toluene
 Concen: 121.554 ug/l
 RT: 7.77 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Tgt Ion: 92 Resp: 1037295
 Ion Ratio Lower Upper
 92 100
 91 153.1 133.3 199.9

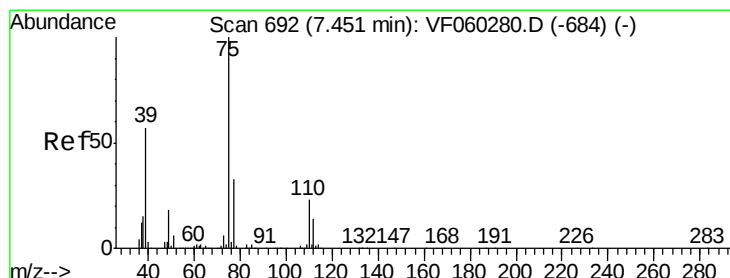
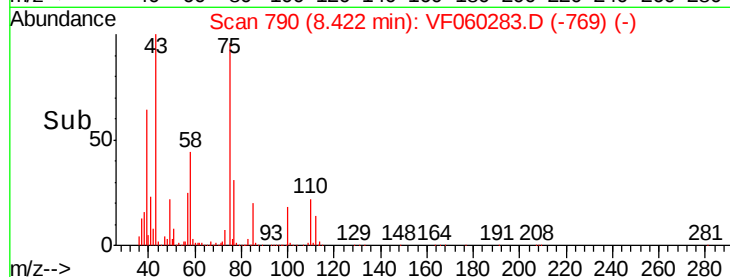
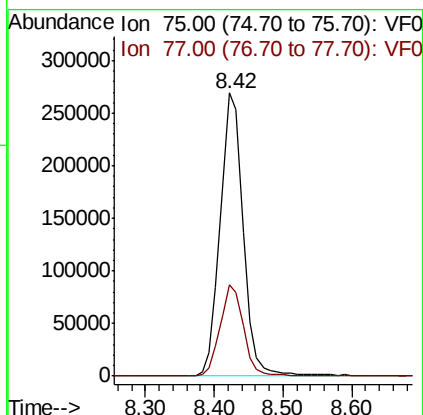
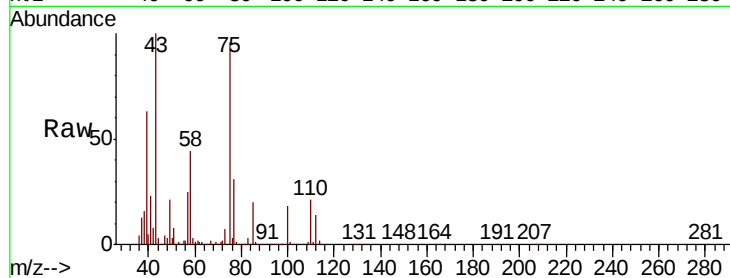




#53
 t-1,3-Dichloropropene
 Concen: 128.556 ug/l
 RT: 8.42 min Scan# 790
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

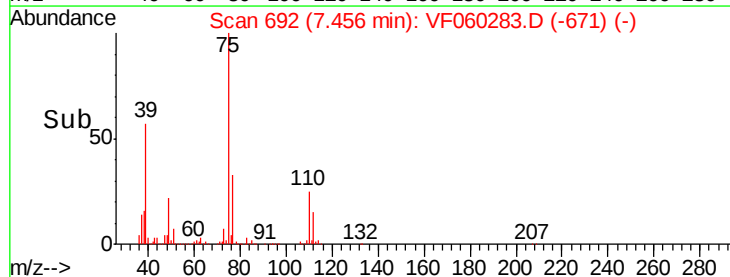
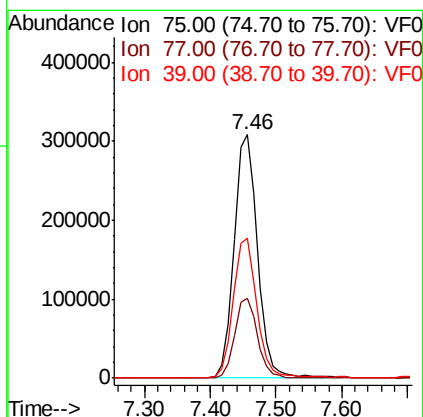
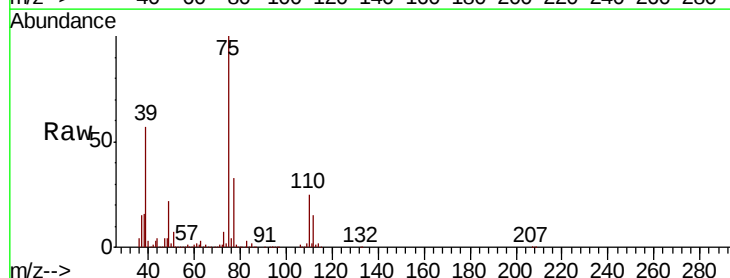
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

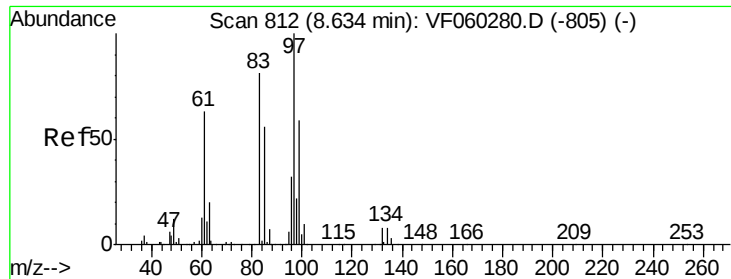
Tgt Ion: 75 Resp: 621850
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.9 38.9



#54
 cis-1,3-Dichloropropene
 Concen: 126.873 ug/l
 RT: 7.46 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Tgt Ion: 75 Resp: 773138
 Ion Ratio Lower Upper
 75 100
 77 33.0 26.3 39.5
 39 57.3 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 132.304 ug/l

RT: 8.63 min Scan# 811

Delta R.T. -0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 342668

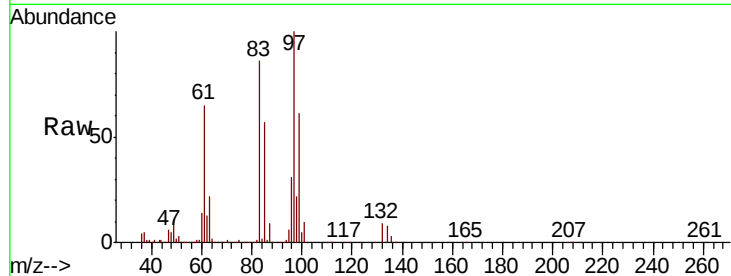
Ion Ratio Lower Upper

97 100

83 85.7 65.3 97.9

85 56.6 44.7 67.1

99 60.9 47.0 70.4

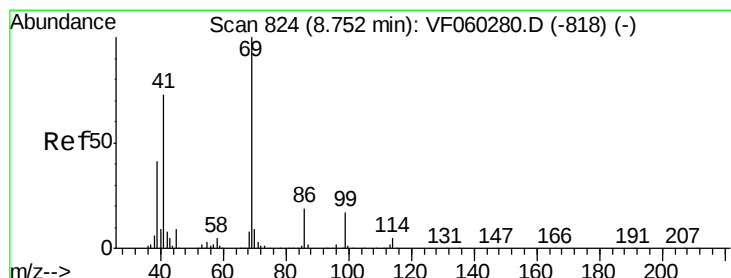
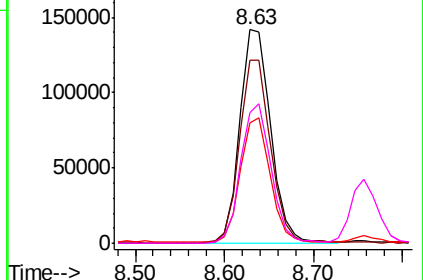
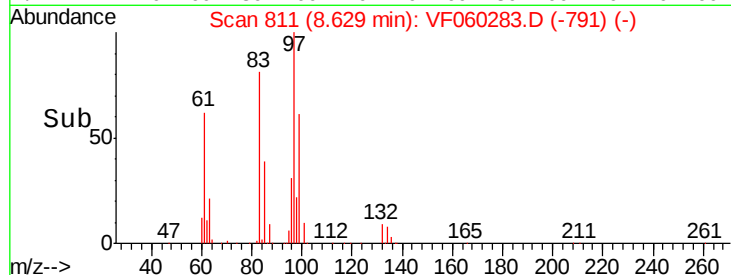


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 137.527 ug/l

RT: 8.76 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

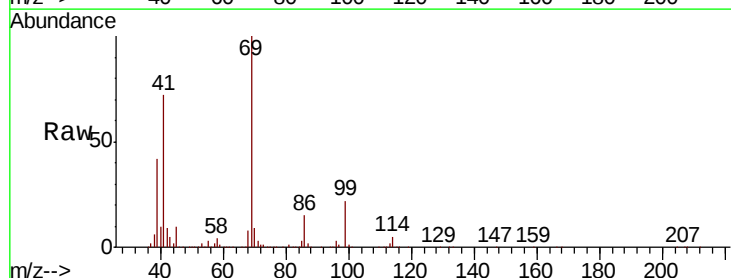
Tgt Ion: 69 Resp: 430190

Ion Ratio Lower Upper

69 100

41 71.7 59.4 89.2

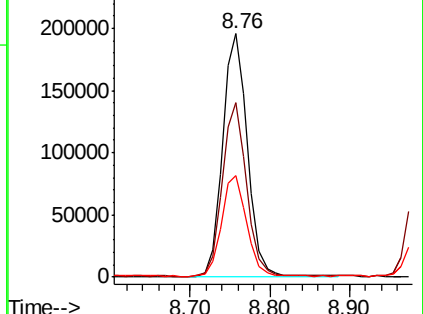
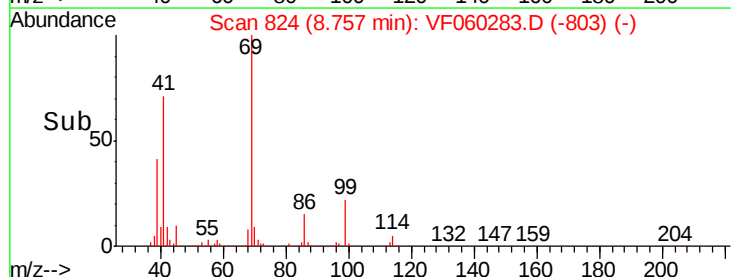
39 41.9 33.5 50.3

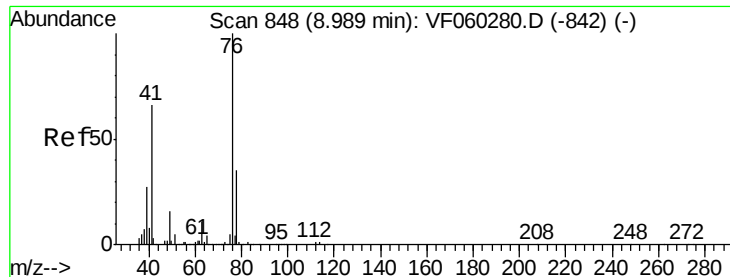


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 136.551 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

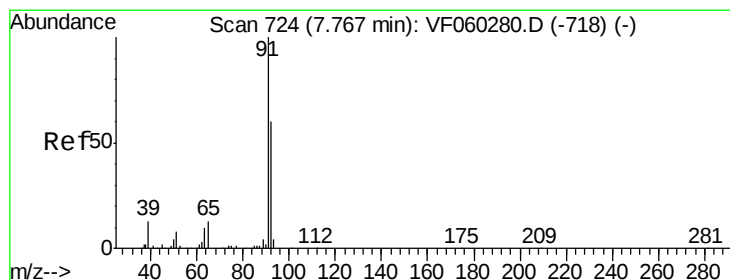
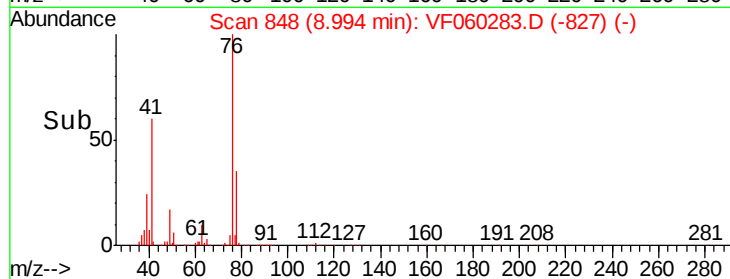
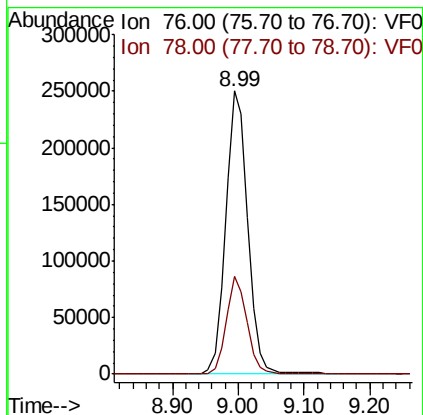
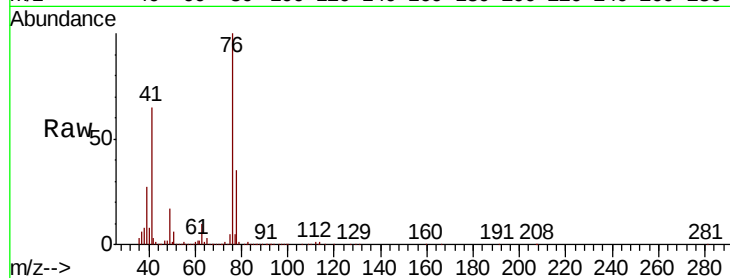
VSTDIC150

Tgt Ion: 76 Resp: 585597

Ion Ratio Lower Upper

76 100

78 34.6 28.2 42.2



#58

2-Chloroethyl Vinyl ether

Concen: 564.619 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.00 min

Lab File: VF060283.D

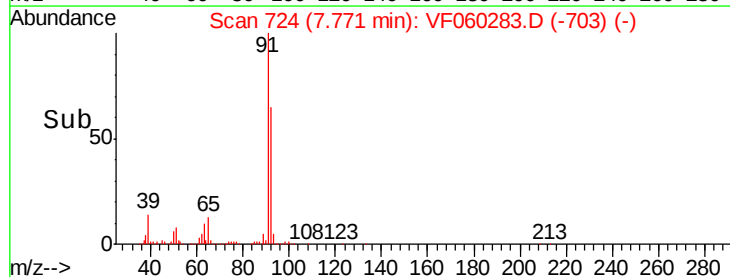
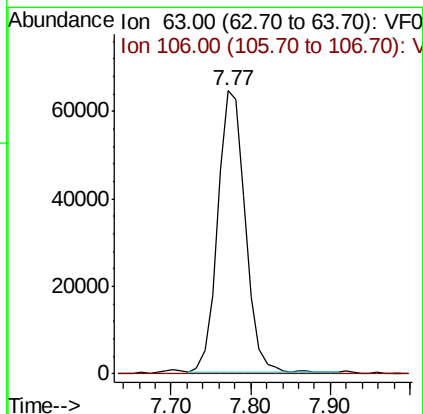
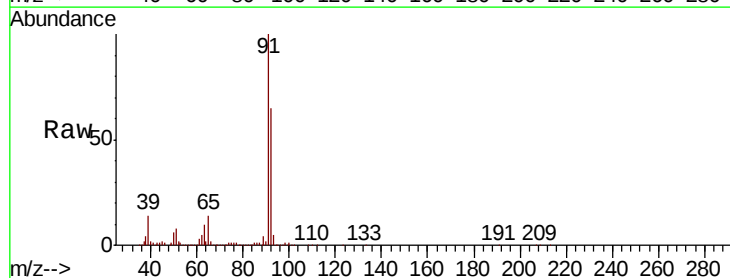
Acq: 19 Sep 2018 15:38

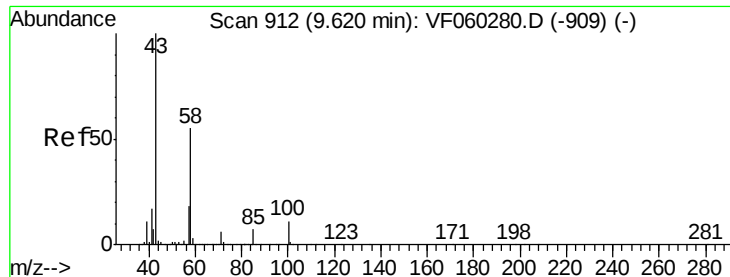
Tgt Ion: 63 Resp: 156133

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

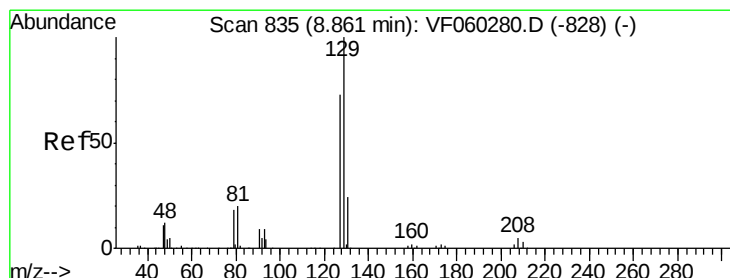
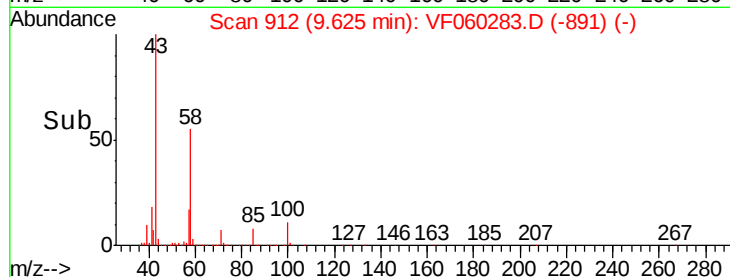
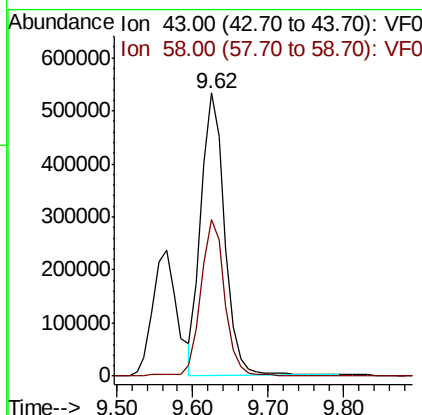
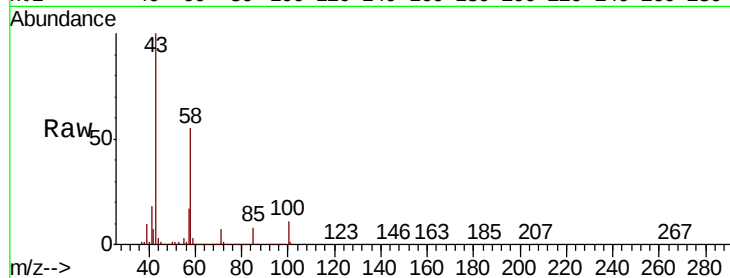




#59
 2-Hexanone
 Concen: 695.473 ug/l
 RT: 9.62 min Scan# 912
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

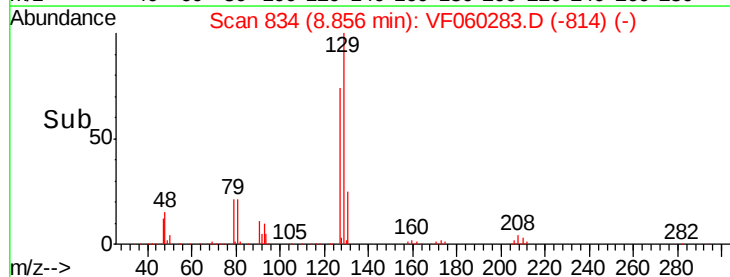
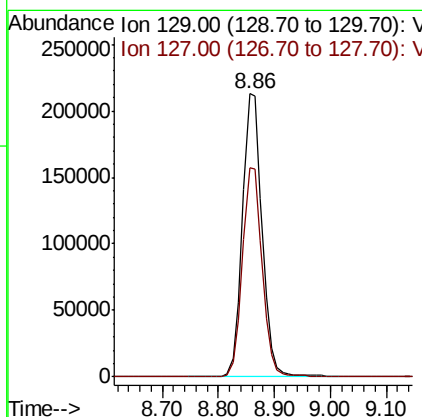
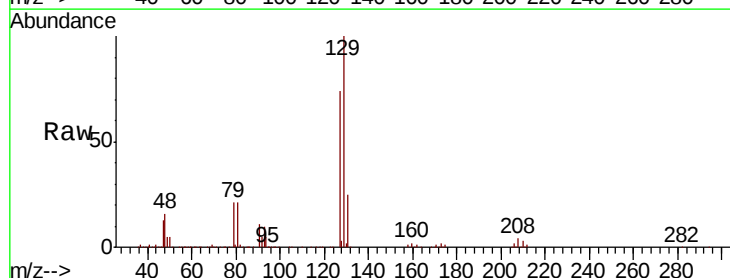
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

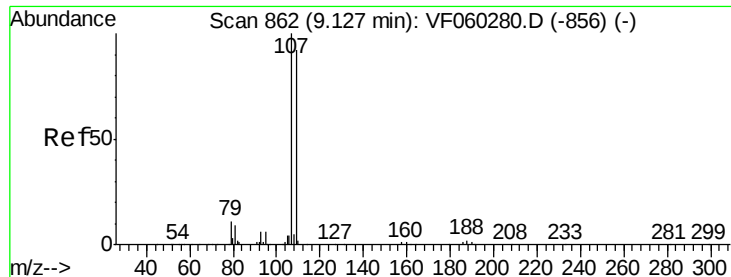
Tgt Ion: 43 Resp: 1156538
 Ion Ratio Lower Upper
 43 100
 58 55.3 25.9 77.6



#60
 Dibromochloromethane
 Concen: 134.030 ug/l
 RT: 8.86 min Scan# 834
 Delta R.T. -0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Tgt Ion: 129 Resp: 517394
 Ion Ratio Lower Upper
 129 100
 127 73.9 36.6 109.8





#61

1,2-Dibromoethane

Concen: 134.177 ug/l

RT: 9.13 min Scan# 862

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

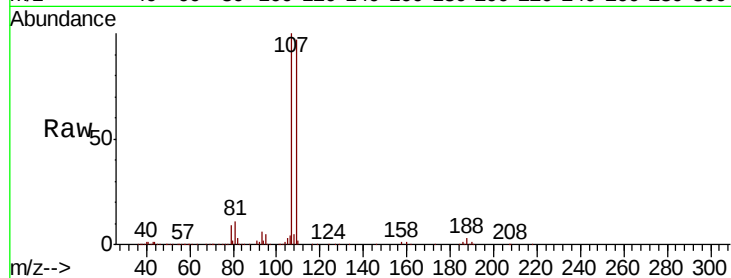
VSTDIC150

Tgt Ion: 107 Resp: 386986

Ion Ratio Lower Upper

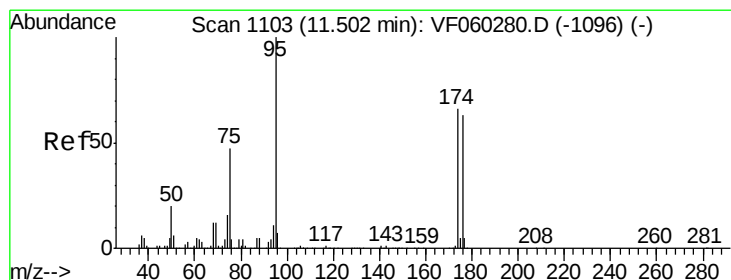
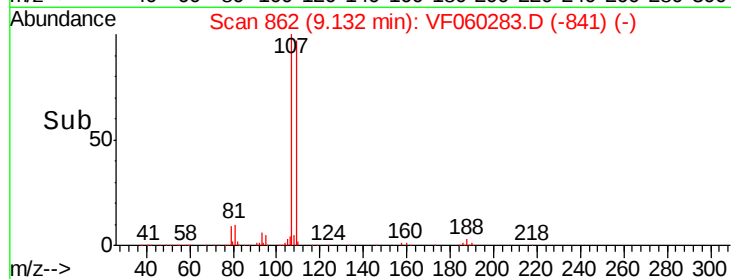
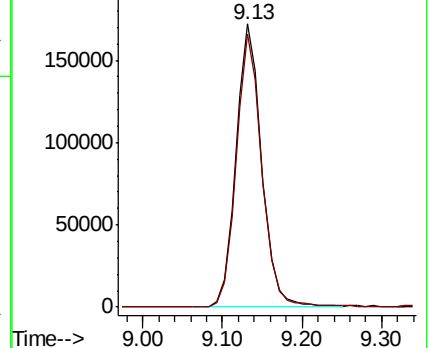
107 100

109 96.6 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 126.011 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

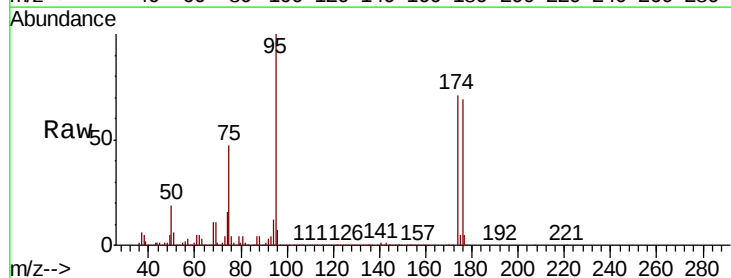
Tgt Ion: 95 Resp: 603077

Ion Ratio Lower Upper

95 100

174 70.8 0.0 131.2

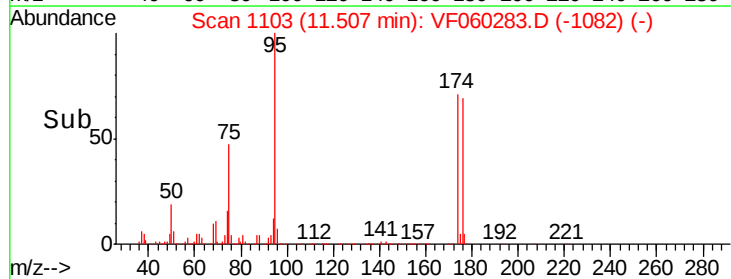
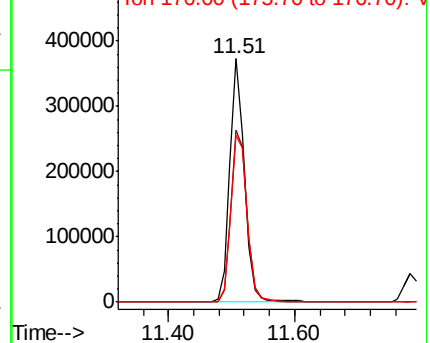
176 68.8 0.0 126.6

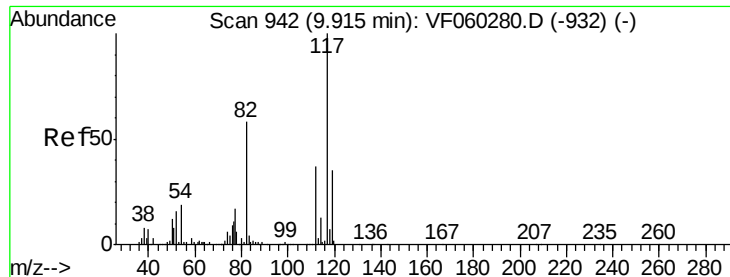


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

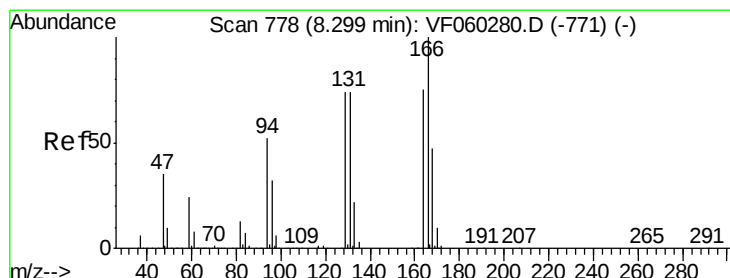
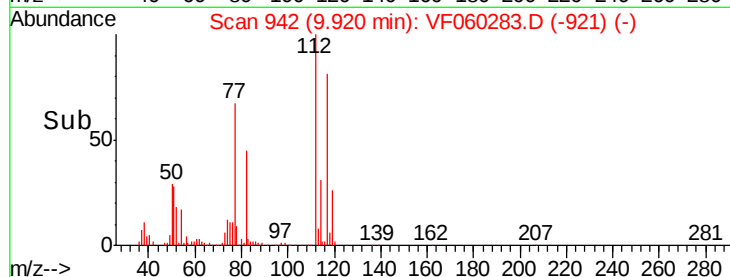
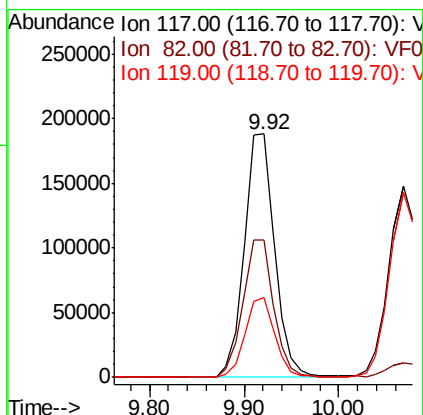
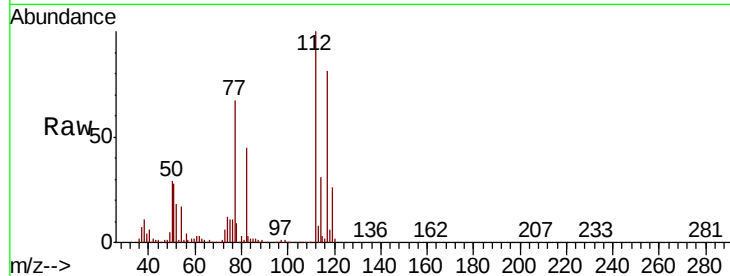




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

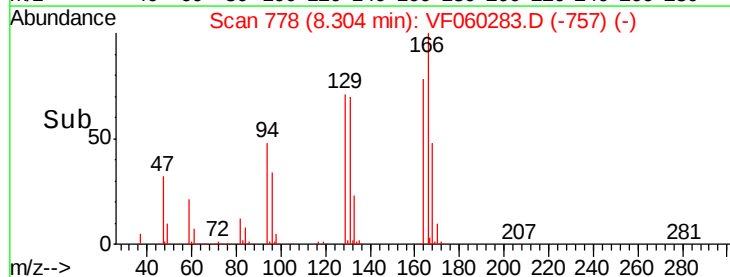
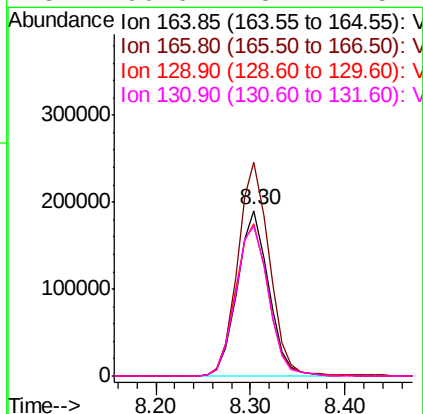
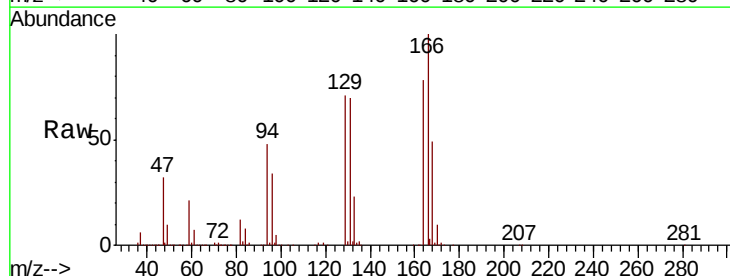
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

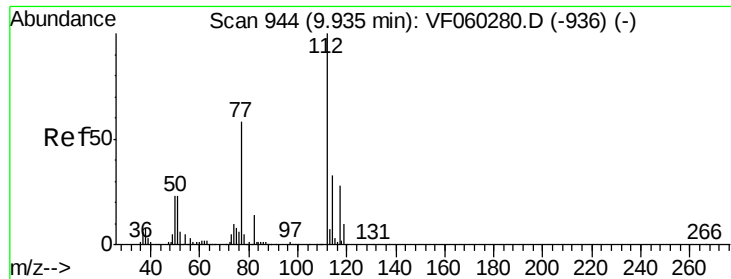
Tgt Ion:117 Resp: 420122
Ion Ratio Lower Upper
117 100
82 56.3 46.2 69.2
119 32.9 27.8 41.6



#64
Tetrachloroethene
Concen: 114.998 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Tgt Ion:164 Resp: 437970
Ion Ratio Lower Upper
164 100
166 128.9 106.8 160.2
129 92.1 78.8 118.2
131 90.6 78.7 118.1

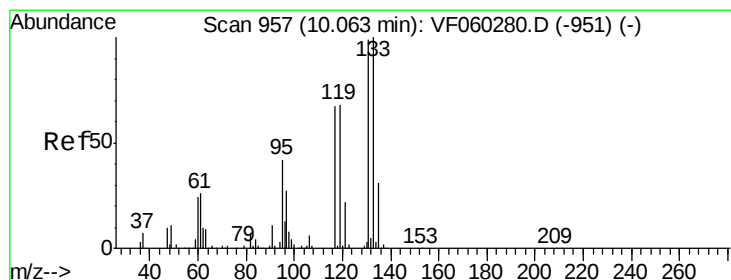
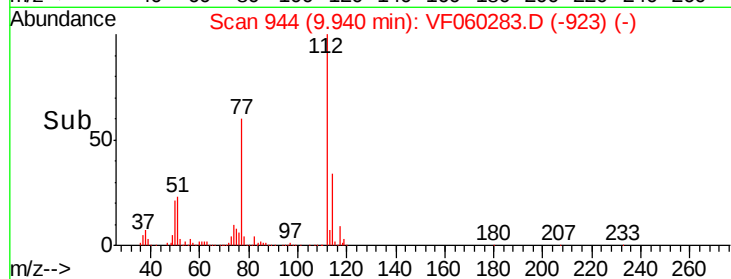
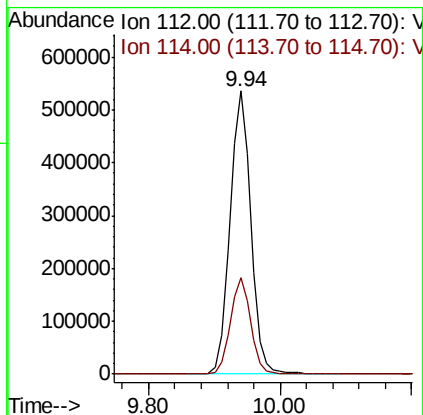
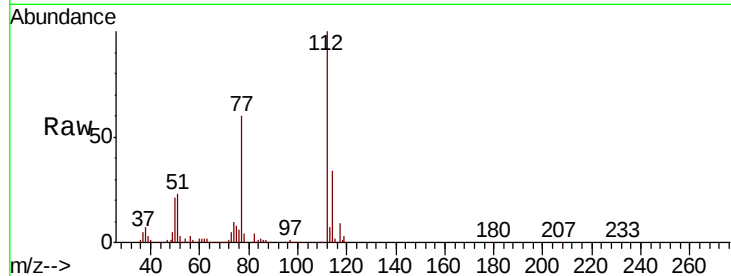




#65
Chlorobenzene
Concen: 125.436 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

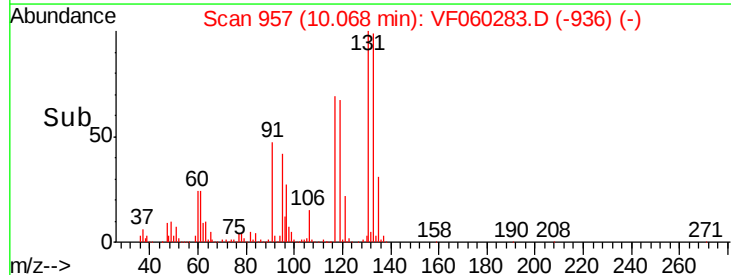
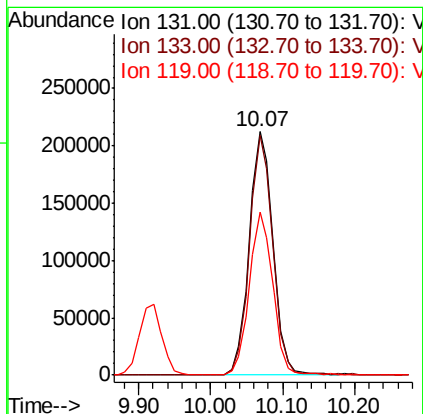
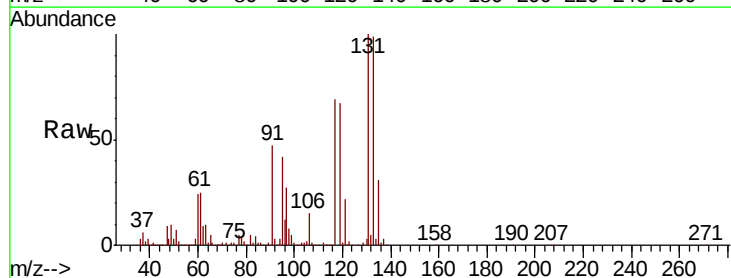
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

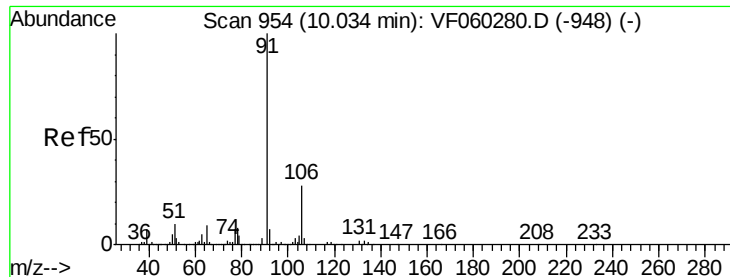
Tgt Ion:112 Resp: 1194382
Ion Ratio Lower Upper
112 100
114 34.1 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 123.951 ug/l
RT: 10.07 min Scan# 957
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Tgt Ion:131 Resp: 489796
Ion Ratio Lower Upper
131 100
133 98.6 50.4 151.2
119 67.1 34.8 104.3





#67

Ethyl Benzene

Concen: 112.875 ug/l

RT: 10.04 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

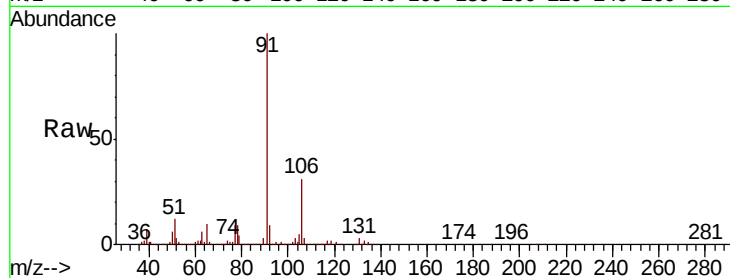
VSTDIC150

Tgt Ion: 91 Resp: 1987212

Ion Ratio Lower Upper

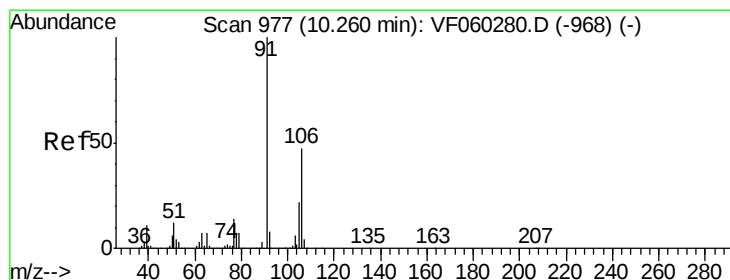
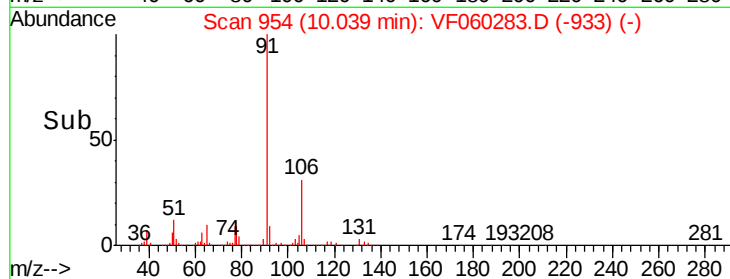
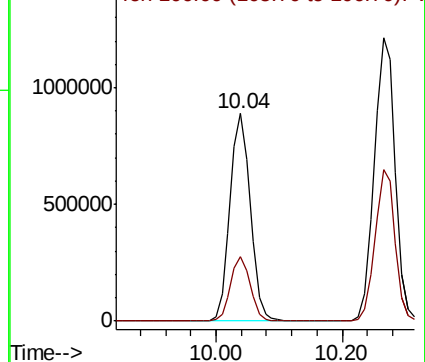
91 100

106 31.3 22.7 34.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 237.702 ug/l

RT: 10.27 min Scan# 977

Delta R.T. 0.00 min

Lab File: VF060283.D

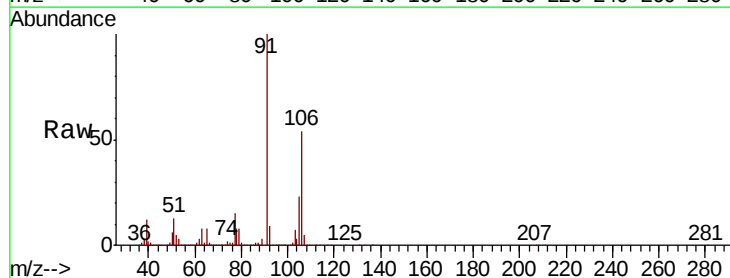
Acq: 19 Sep 2018 15:38

Tgt Ion: 106 Resp: 1445810

Ion Ratio Lower Upper

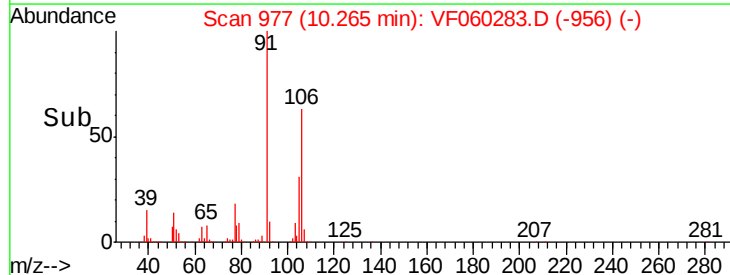
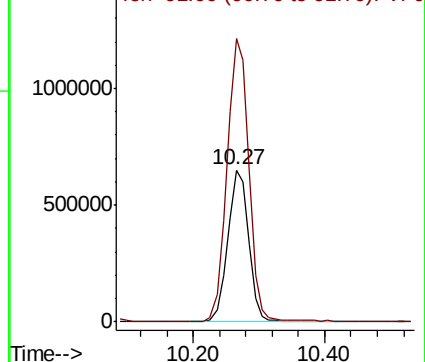
106 100

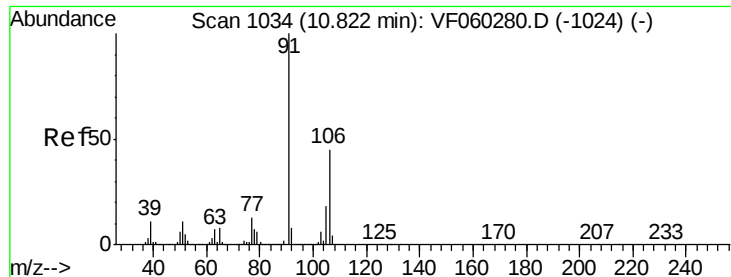
91 186.1 172.3 258.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

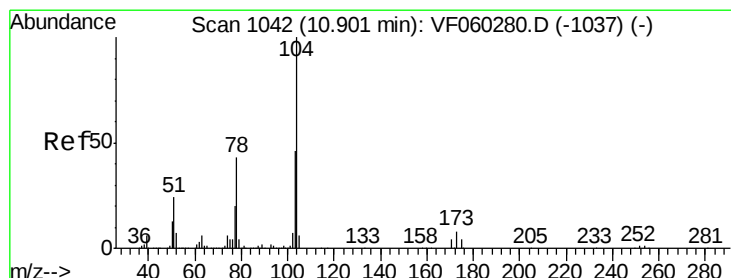
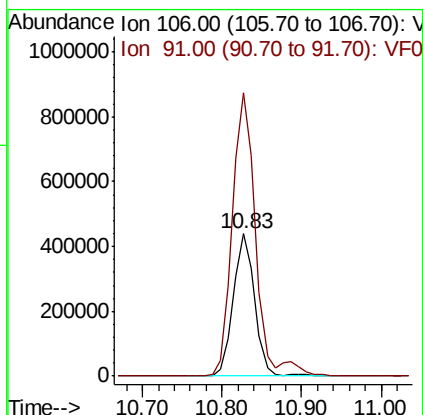
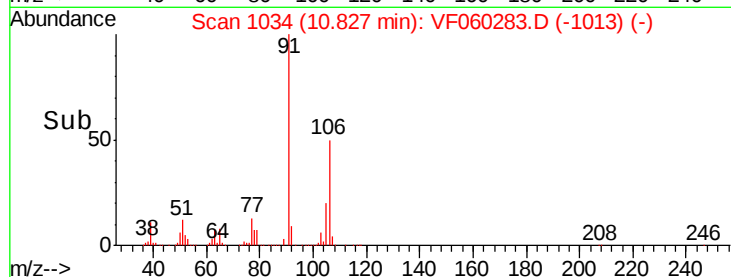
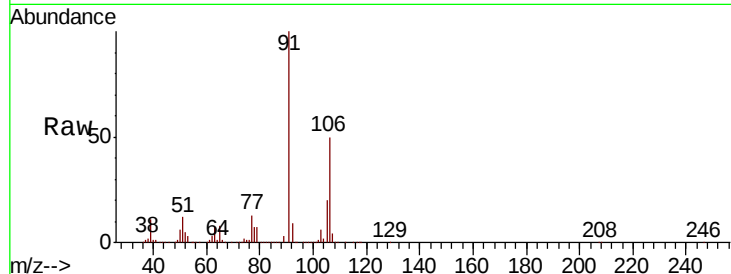




#69
o-Xylene
Concen: 120.601 ug/l
RT: 10.83 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

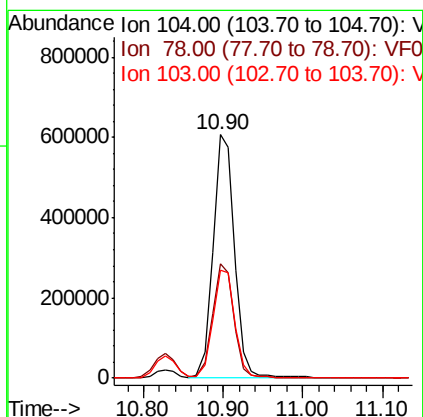
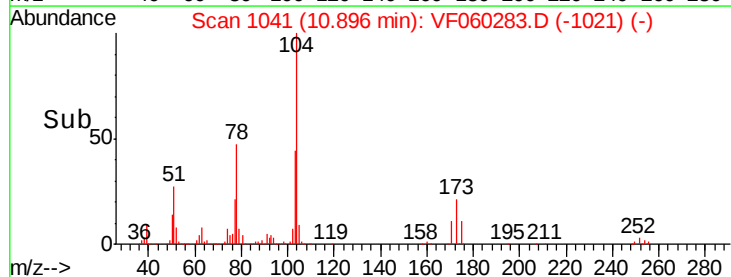
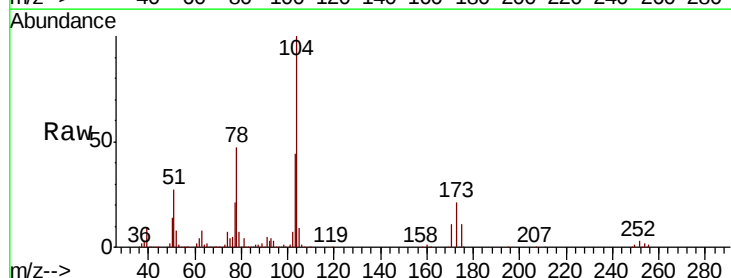
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

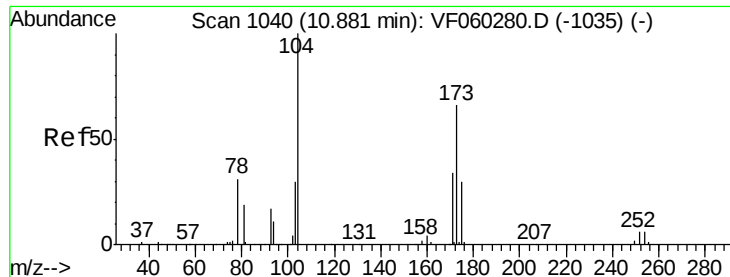
Tgt Ion:106 Resp: 822771
Ion Ratio Lower Upper
106 100
91 199.3 110.9 332.6



#70
Styrene
Concen: 119.320 ug/l
RT: 10.90 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VF060283.D
Acq: 19 Sep 2018 15:38

Tgt Ion:104 Resp: 1148001
Ion Ratio Lower Upper
104 100
78 46.9 35.0 52.6
103 44.2 37.4 56.0





#71

Bromoform

Concen: 136.076 ug/l

RT: 10.89 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

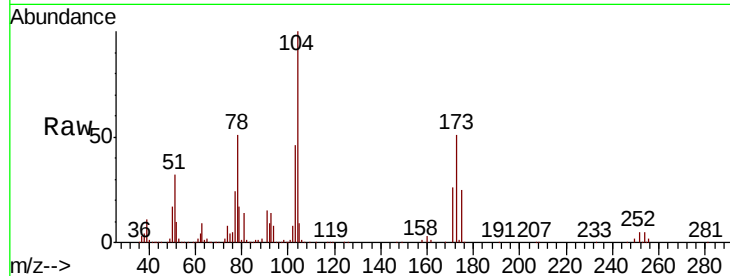
Tgt Ion:173 Resp: 295310

Ion Ratio Lower Upper

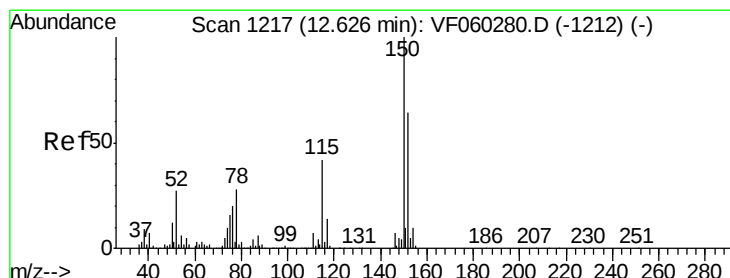
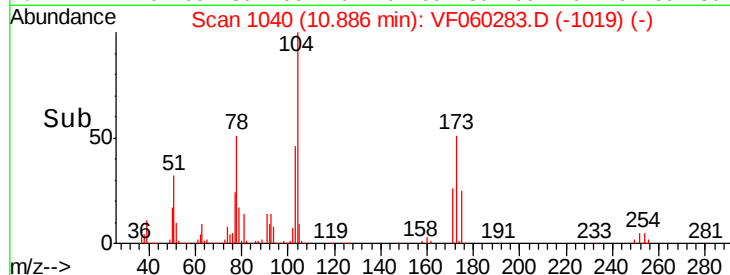
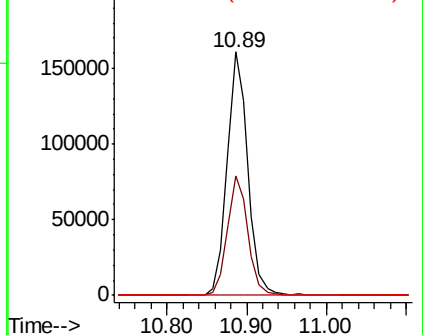
173 100

175 49.2 22.3 66.9

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

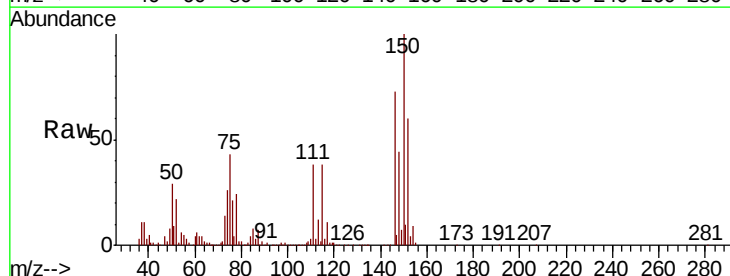
Tgt Ion:152 Resp: 216626

Ion Ratio Lower Upper

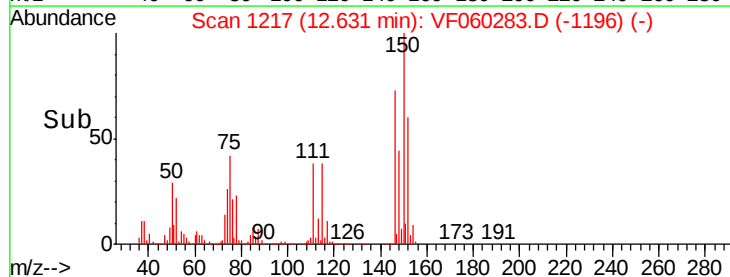
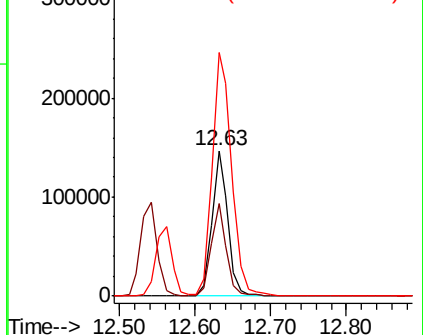
152 100

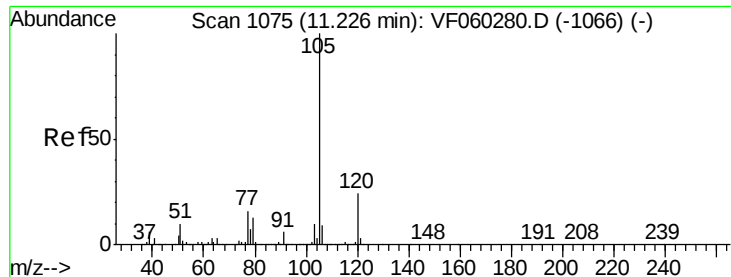
115 63.5 32.6 97.8

150 167.5 0.0 314.2



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





#73

Isopropylbenzene

Concen: 113.462 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

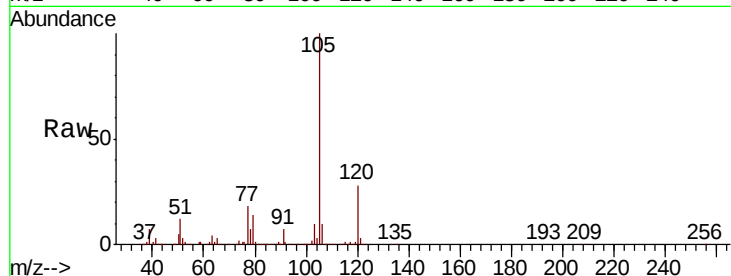
VSTDIC150

Tgt Ion:105 Resp: 2206511

Ion Ratio Lower Upper

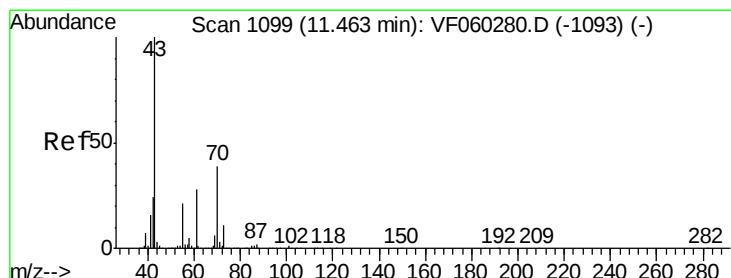
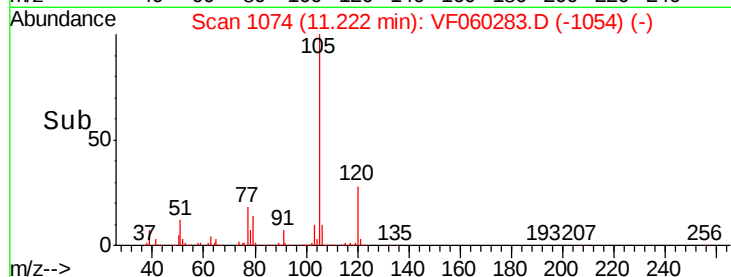
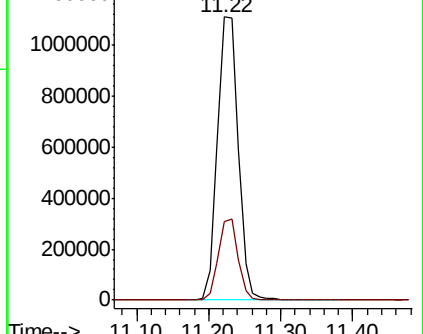
105 100

120 27.8 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: 139.785 ug/l

RT: 11.46 min Scan# 1098

Delta R.T. -0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Tgt Ion: 43 Resp: 579688

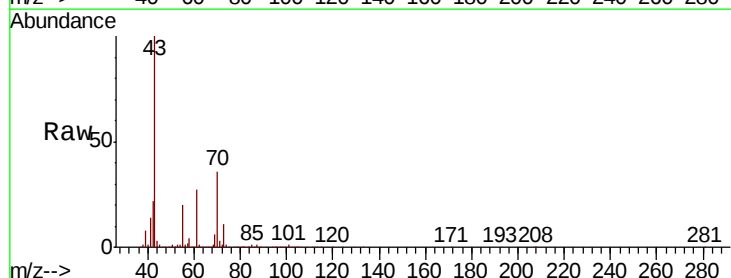
Ion Ratio Lower Upper

43 100

70 36.0 31.4 47.2

55 20.2 16.8 25.2

61 27.0 22.6 34.0

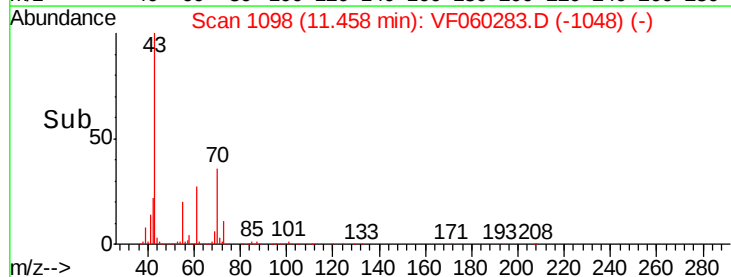
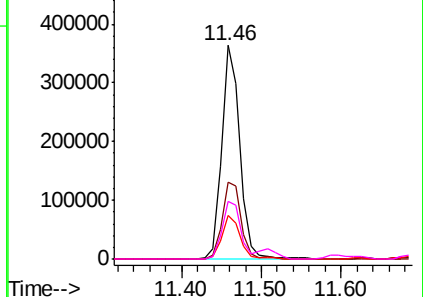


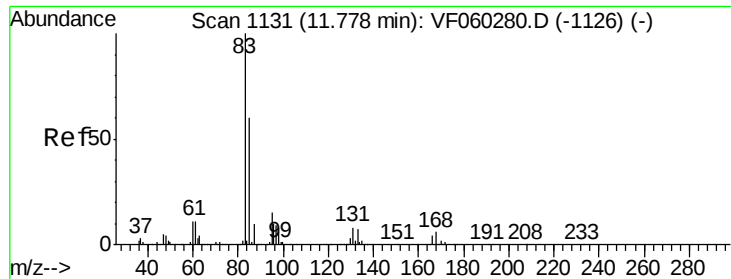
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 127.140 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

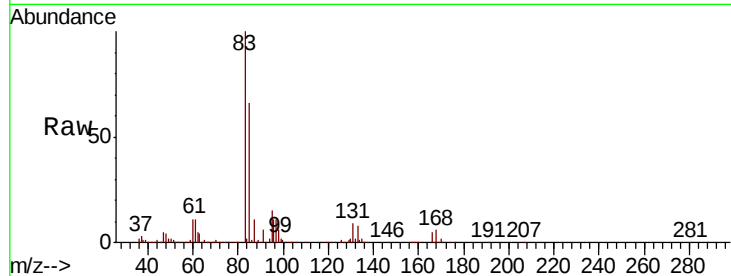
Tgt Ion: 83 Resp: 438183

Ion Ratio Lower Upper

83 100

131 8.9 4.2 12.4

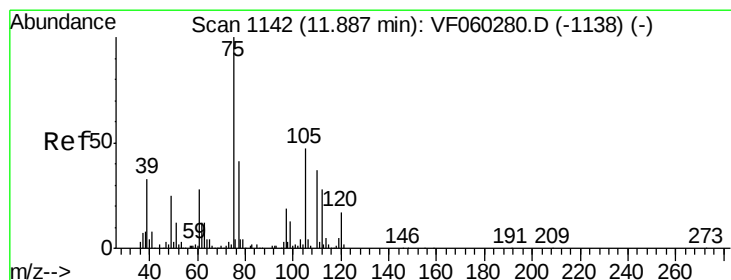
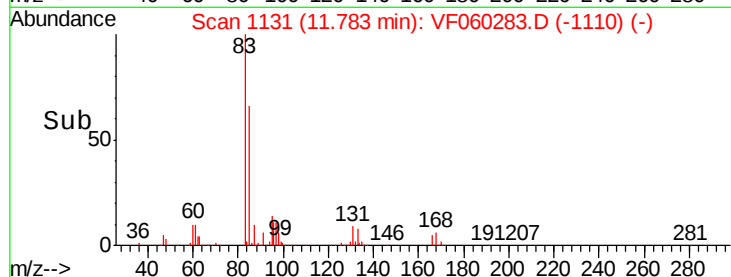
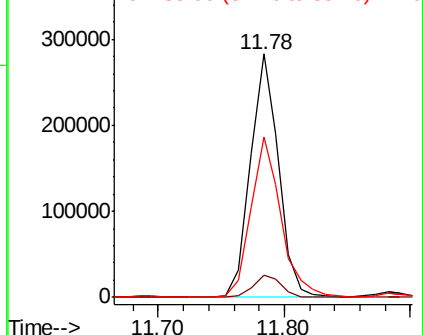
85 66.0 30.1 90.5



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: 130.743 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF060283.D

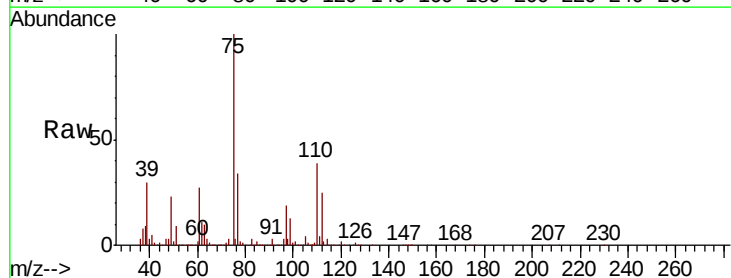
Acq: 19 Sep 2018 15:38

Tgt Ion: 75 Resp: 322636

Ion Ratio Lower Upper

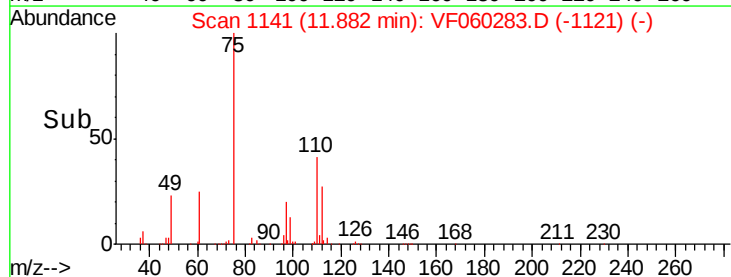
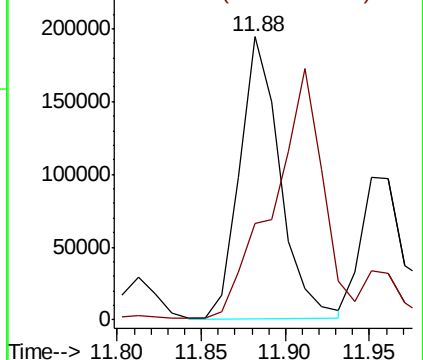
75 100

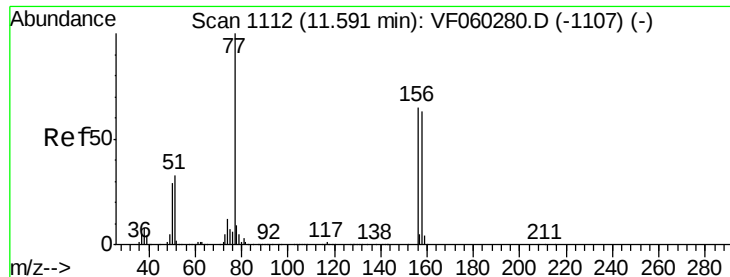
77 34.1 20.5 61.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 122.910 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

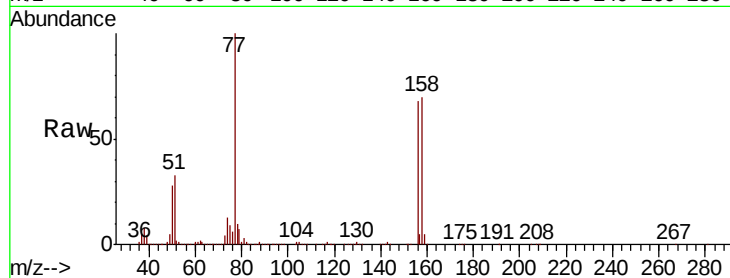
Tgt Ion:156 Resp: 515122

Ion Ratio Lower Upper

156 100

77 146.3 77.3 232.1

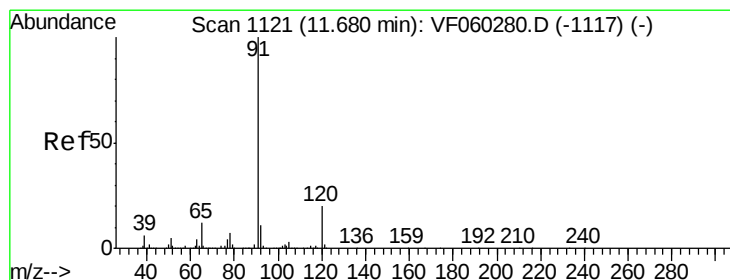
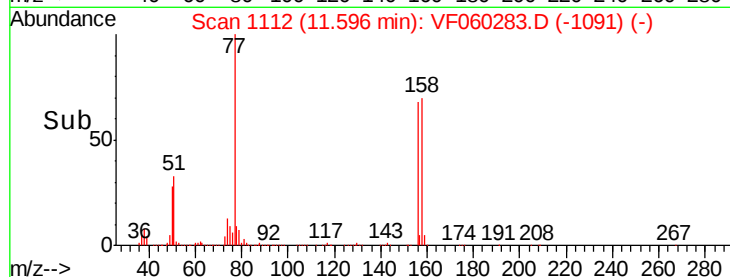
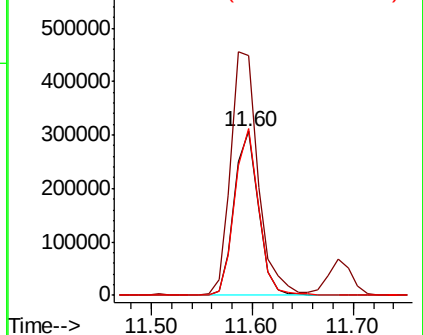
158 101.7 48.4 145.2



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: 108.355 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF060283.D

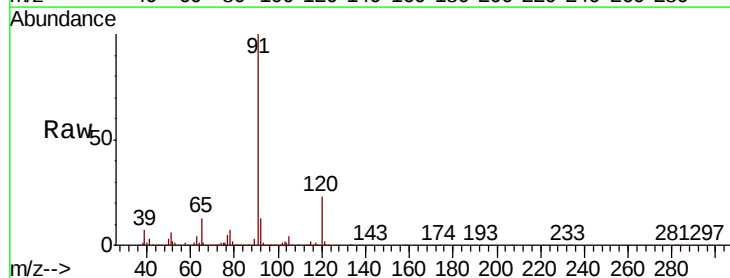
Acq: 19 Sep 2018 15:38

Tgt Ion: 91 Resp: 2487748

Ion Ratio Lower Upper

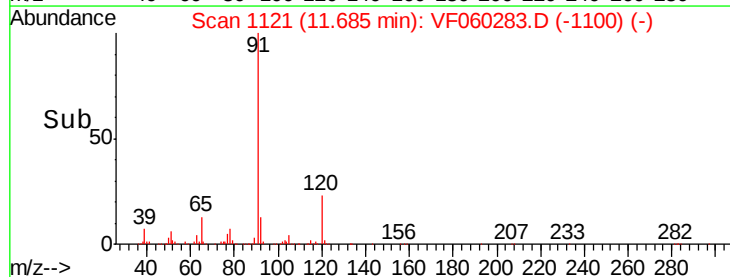
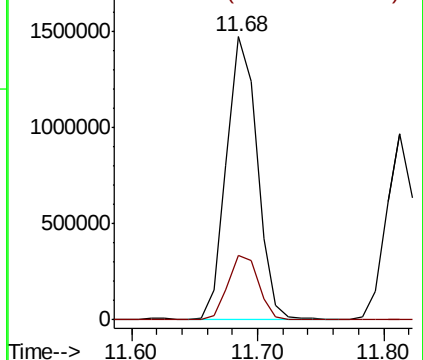
91 100

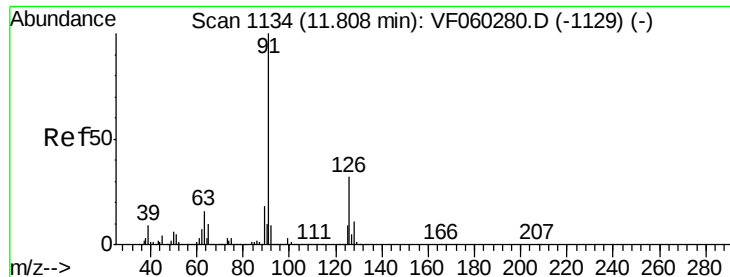
120 22.9 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

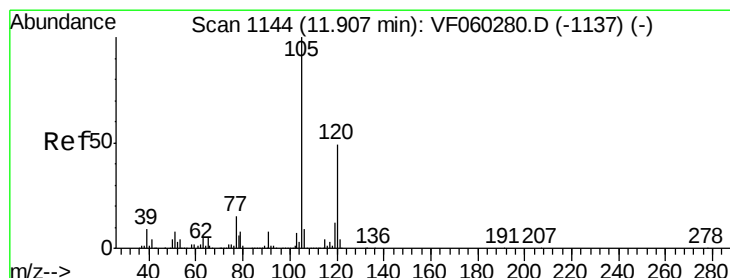
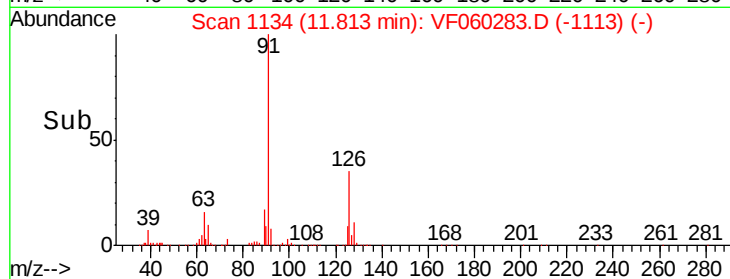
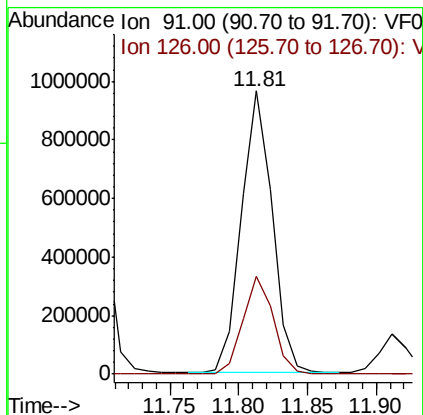
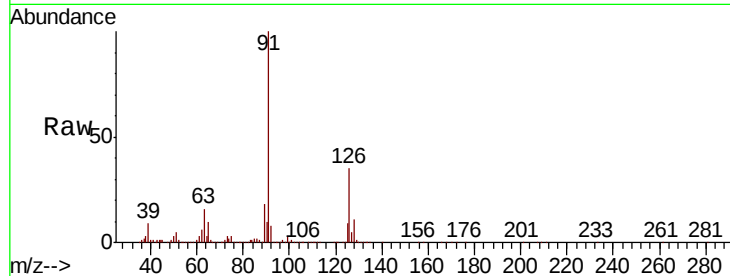




#79
 2-Chlorotoluene
 Concen: 114.724 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

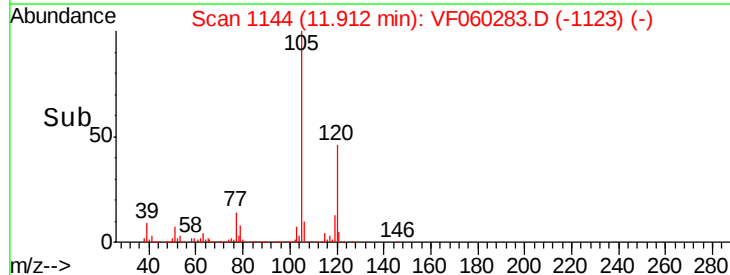
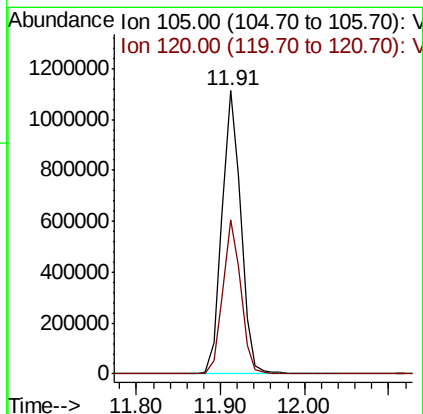
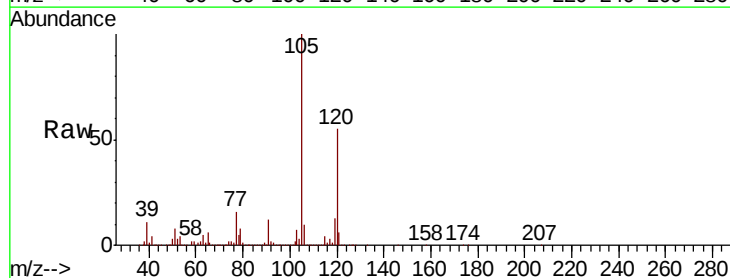
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

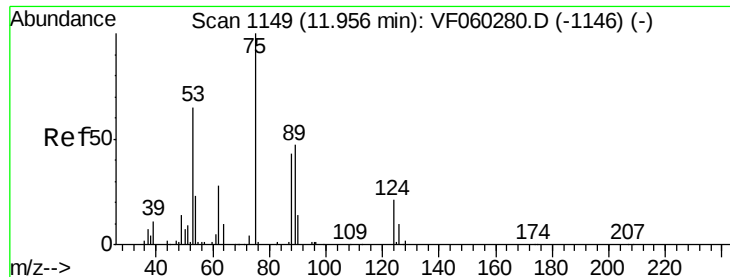
Tgt Ion: 91 Resp: 1504963
 Ion Ratio Lower Upper
 91 100
 126 34.6 16.1 48.3



#80
 1,3,5-Trimethylbenzene
 Concen: 110.428 ug/l
 RT: 11.91 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Tgt Ion: 105 Resp: 1728663
 Ion Ratio Lower Upper
 105 100
 120 54.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 135.358 ug/l

RT: 11.95 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

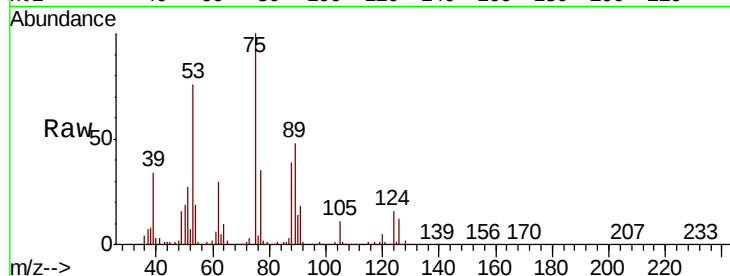
Tgt Ion: 75 Resp: 215218

Ion Ratio Lower Upper

75 100

53 75.5 56.5 84.7

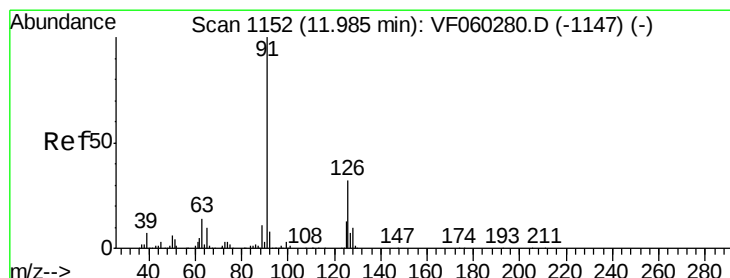
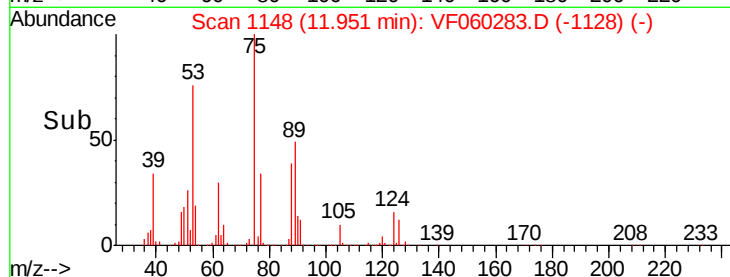
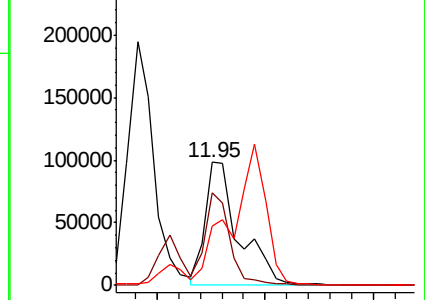
89 48.5 40.6 60.8



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: 121.152 ug/l

RT: 11.99 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF060283.D

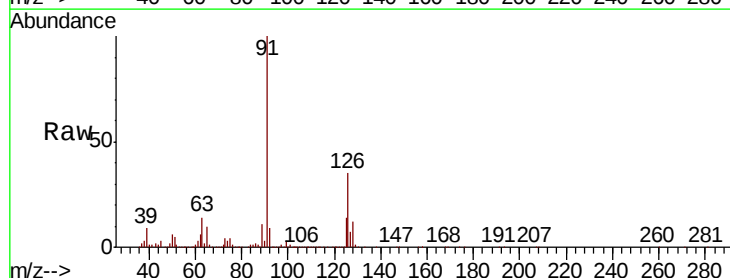
Acq: 19 Sep 2018 15:38

Tgt Ion: 91 Resp: 1597404

Ion Ratio Lower Upper

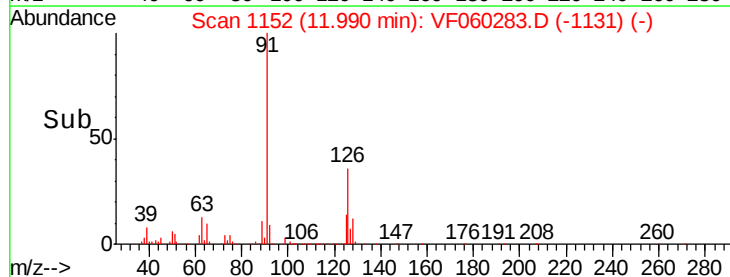
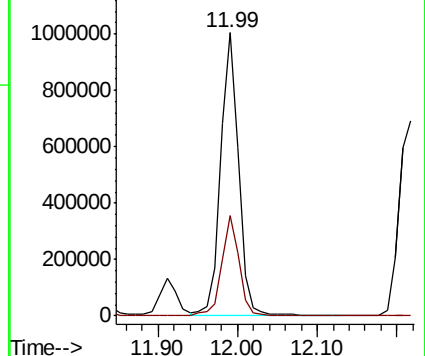
91 100

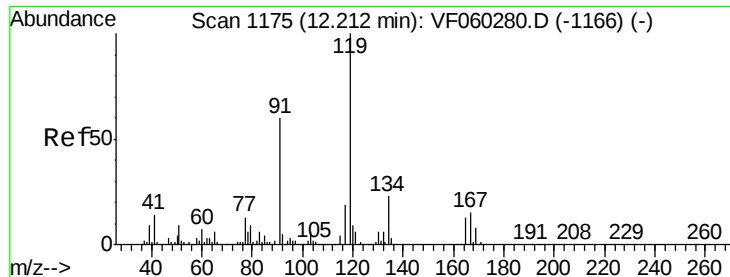
126 35.3 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

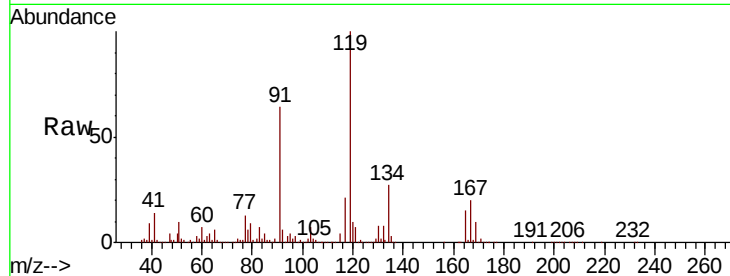




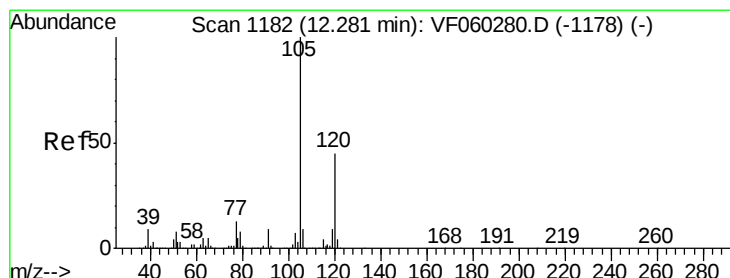
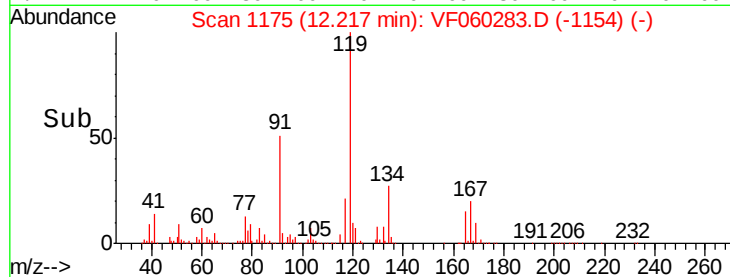
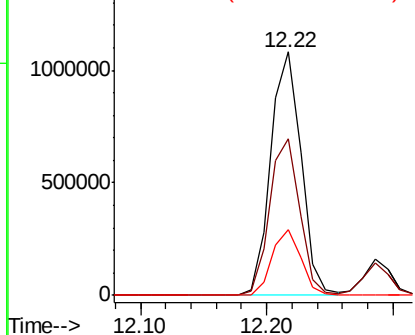
#83
 tert-Butylbenzene
 Concen: 114.314 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tgt Ion:119 Resp: 1814041
 Ion Ratio Lower Upper
 119 100
 91 64.2 30.3 91.0
 134 27.2 11.6 34.8

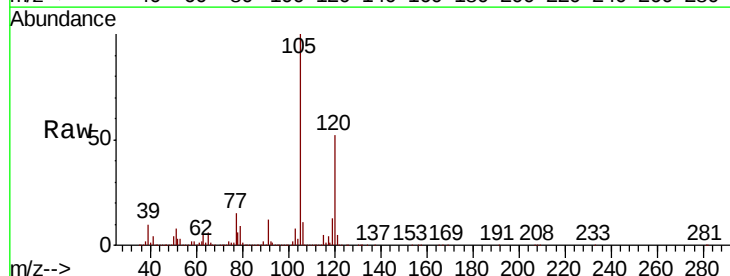


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

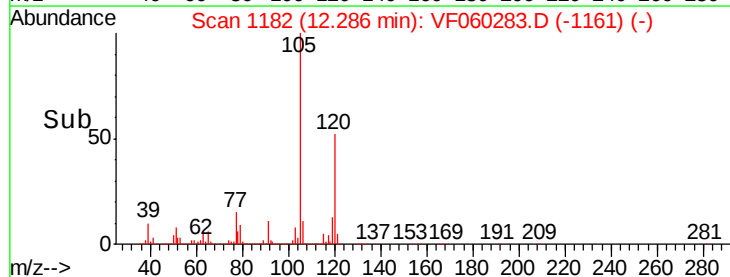
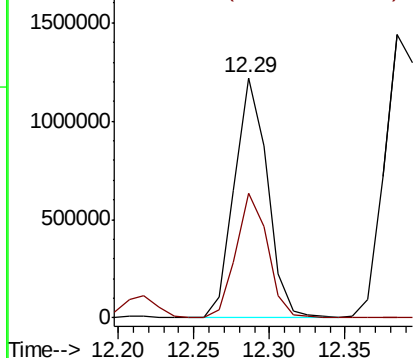


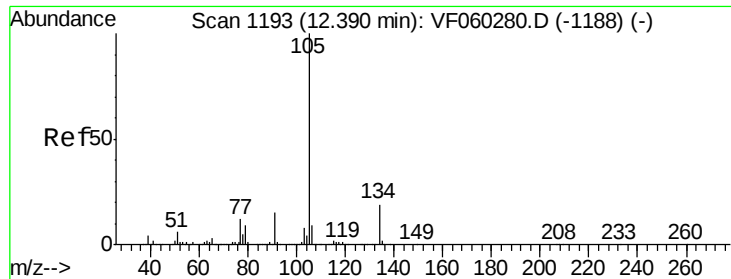
#84
 1,2,4-Trimethylbenzene
 Concen: 116.610 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Tgt Ion:105 Resp: 1853616
 Ion Ratio Lower Upper
 105 100
 120 52.1 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 109.464 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. -0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

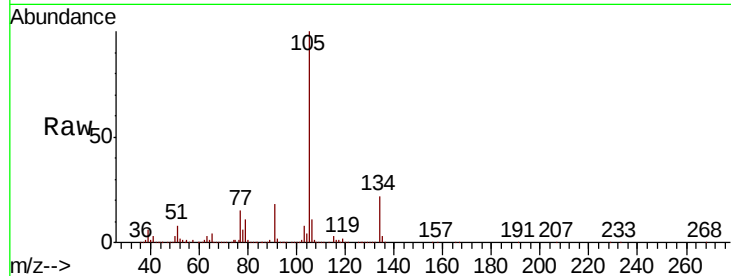
VSTDIC150

Tgt Ion:105 Resp: 2405115

Ion Ratio Lower Upper

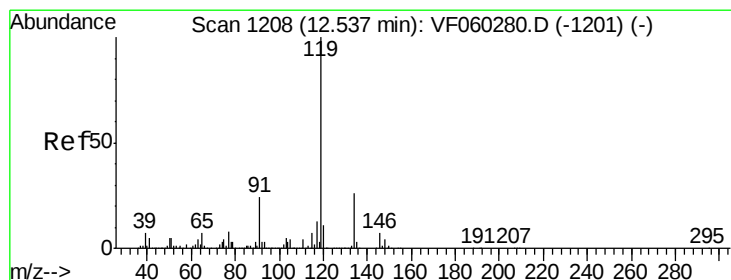
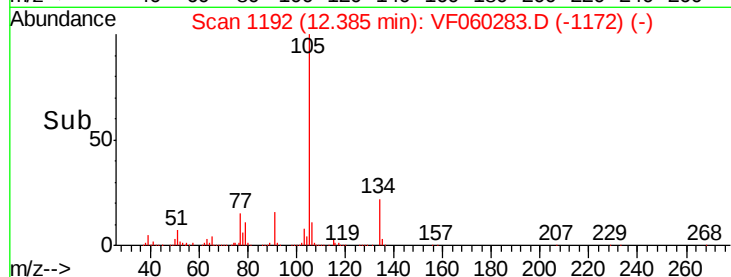
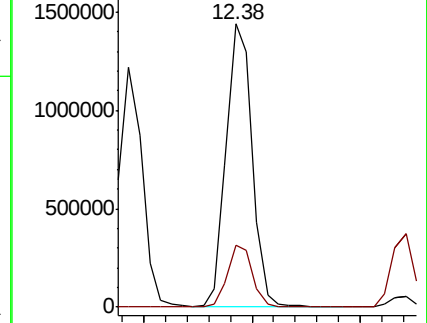
105 100

134 22.0 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 111.432 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

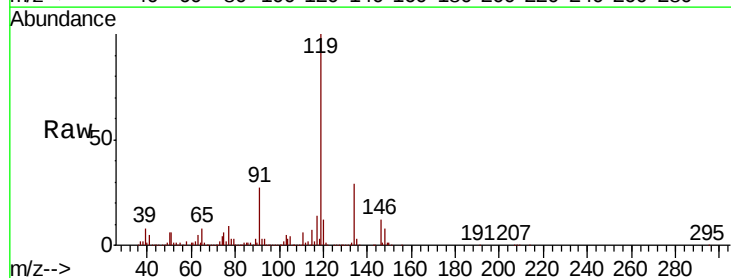
Tgt Ion:119 Resp: 1937433

Ion Ratio Lower Upper

119 100

134 29.2 12.9 38.7

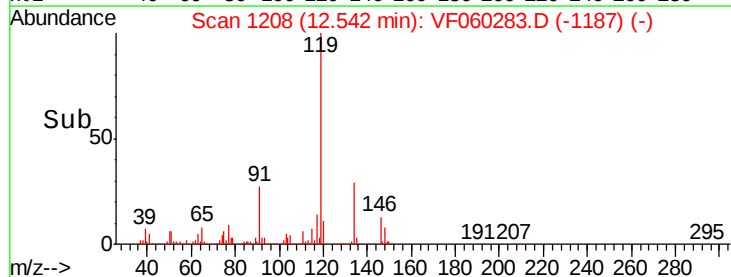
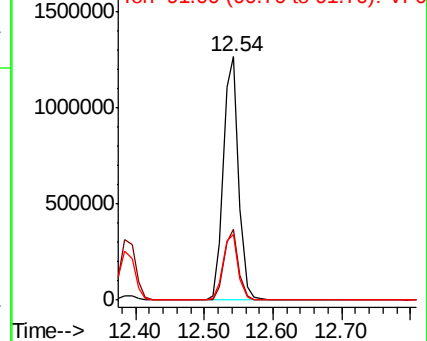
91 26.8 11.9 35.7

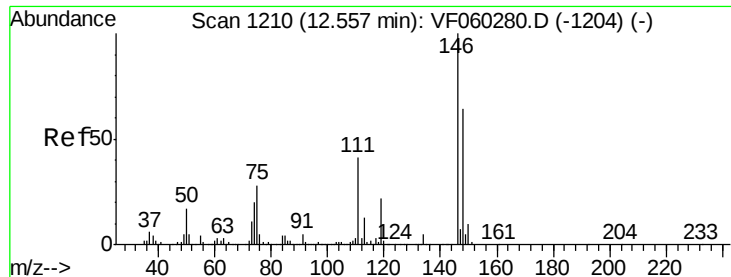


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

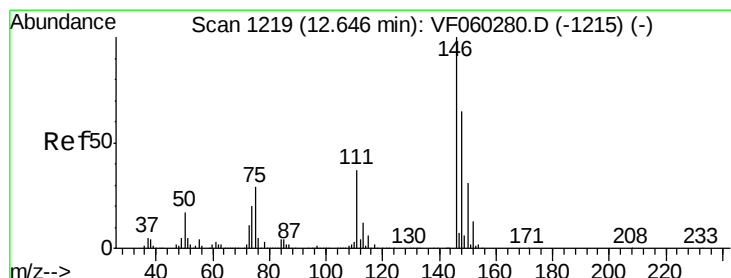
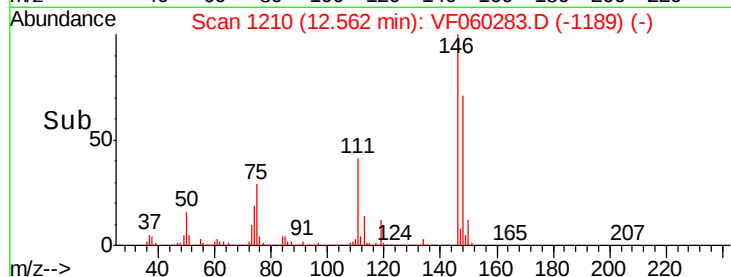
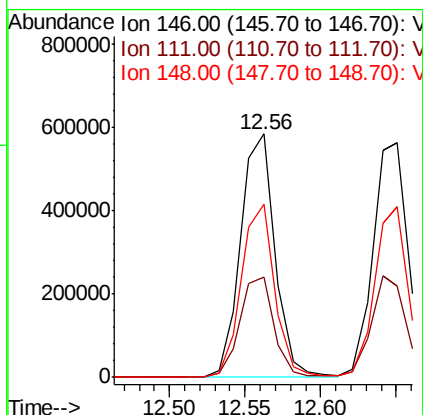
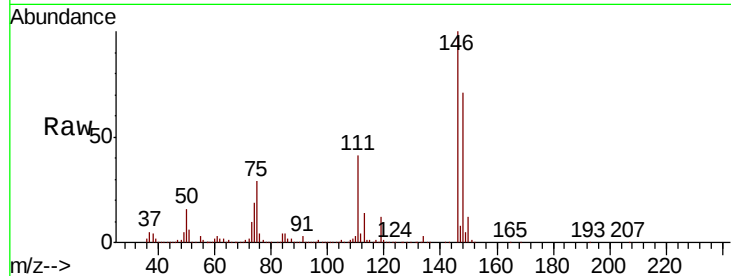




#87
 1,3-Dichlorobenzene
 Concen: 118.742 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

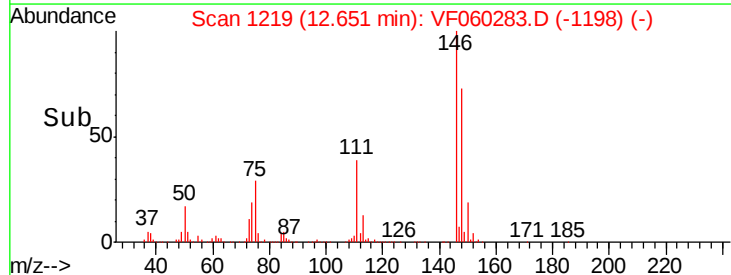
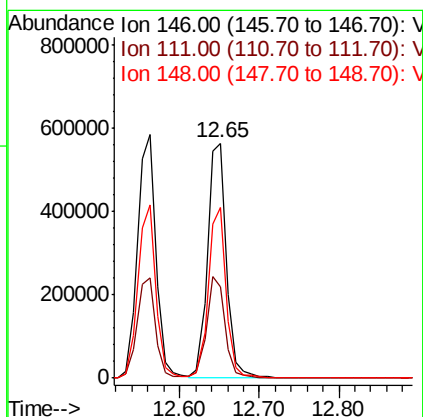
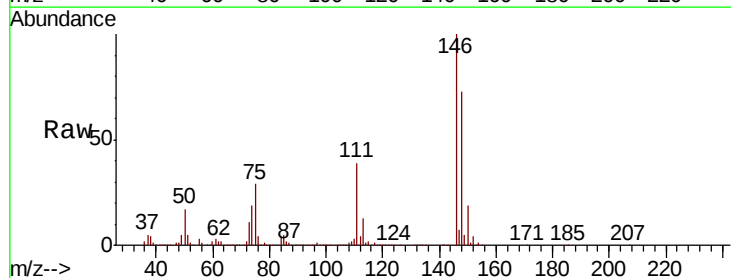
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

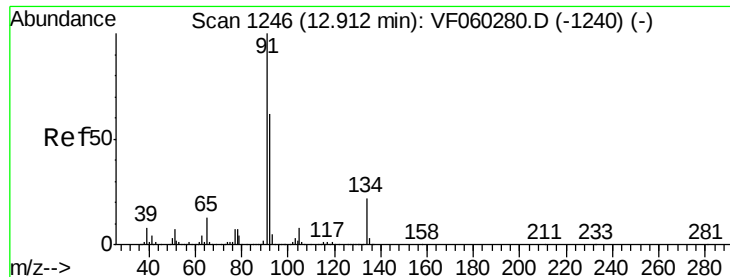
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.6
148	71.0	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 121.159 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.7	56.1
148	72.9	32.4	97.0





#89

n-Butylbenzene

Concen: 105.665 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

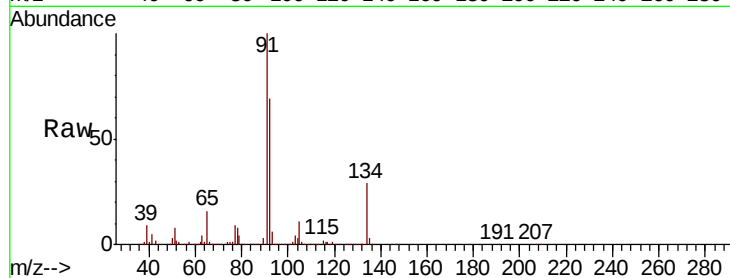
Tgt Ion: 91 Resp: 1943336

Ion Ratio Lower Upper

91 100

92 69.5 31.1 93.5

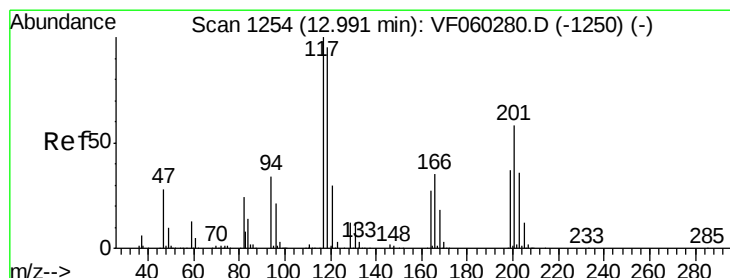
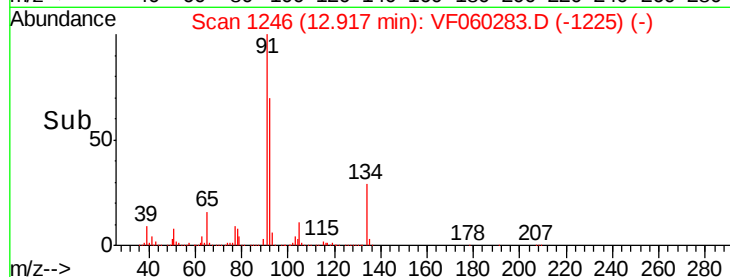
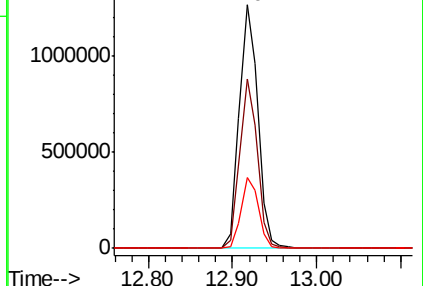
134 28.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 120.165 ug/l

RT: 13.00 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VF060283.D

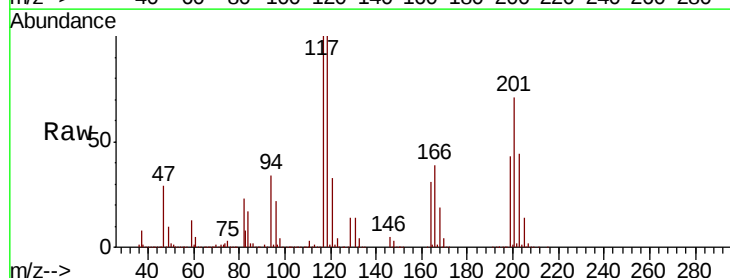
Acq: 19 Sep 2018 15:38

Tgt Ion: 117 Resp: 533599

Ion Ratio Lower Upper

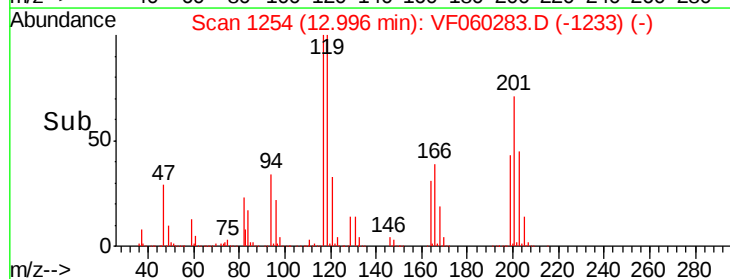
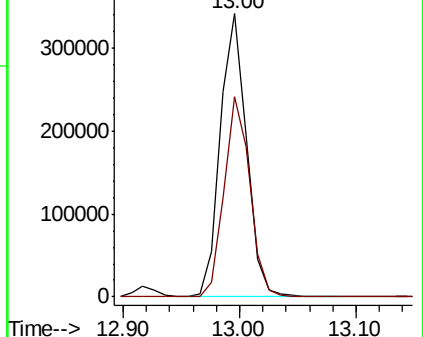
117 100

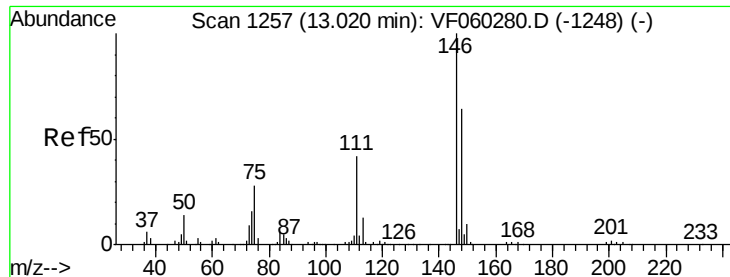
201 70.7 29.0 87.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

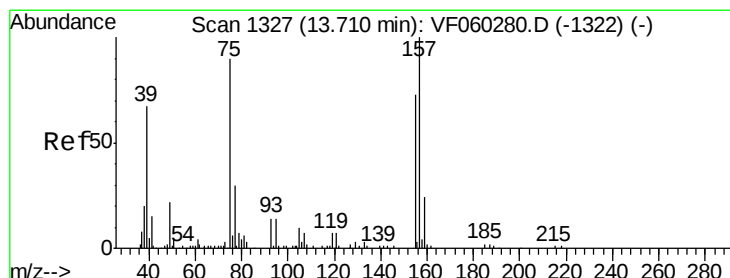
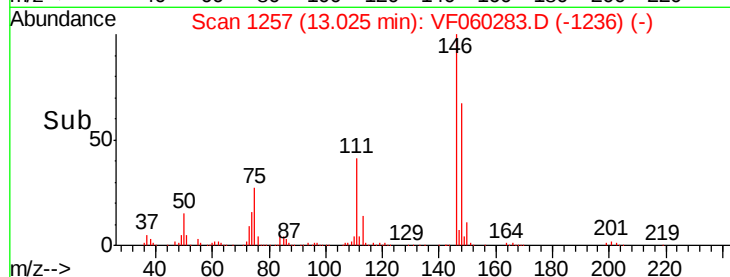
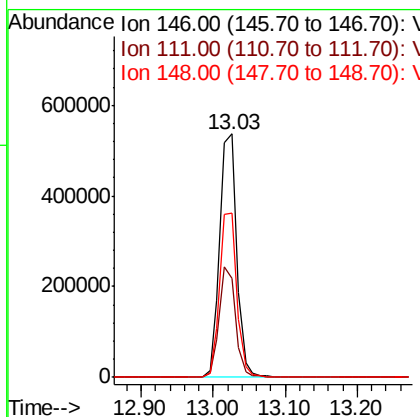
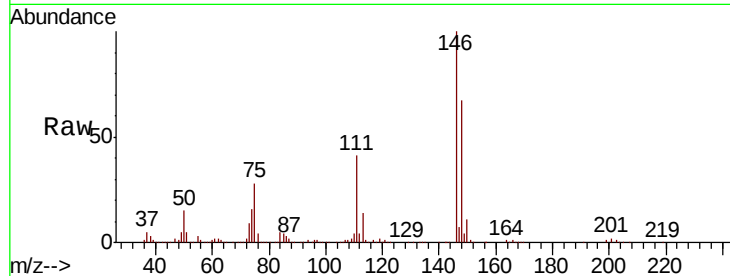




#91
 1,2-Dichlorobenzene
 Concen: 117.766 ug/l
 RT: 13.03 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

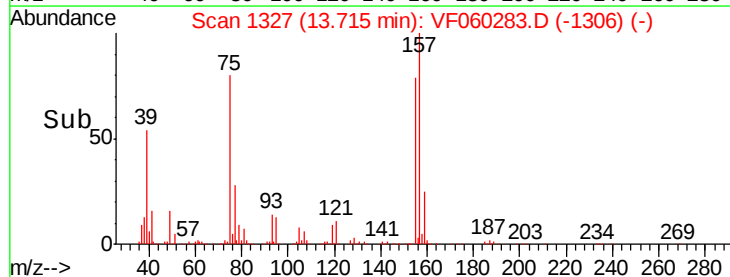
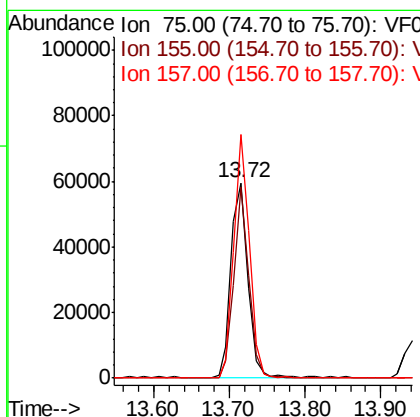
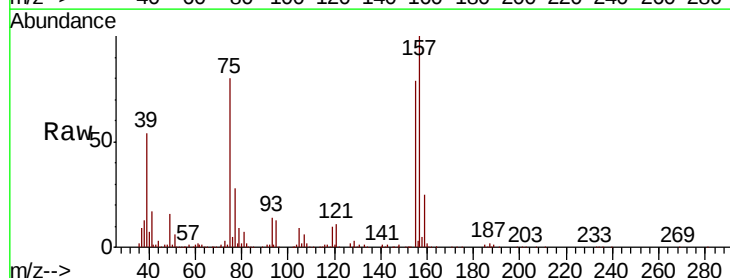
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

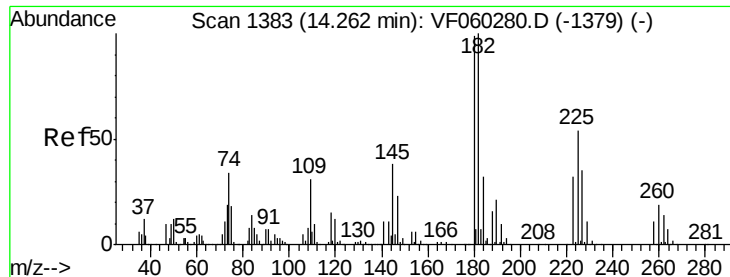
Tgt Ion: 146 Resp: 879819
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.9 62.8
 148 67.4 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 143.185 ug/l
 RT: 13.72 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Tgt Ion: 75 Resp: 92652
 Ion Ratio Lower Upper
 75 100
 155 98.0 41.9 125.7
 157 124.6 57.4 172.0

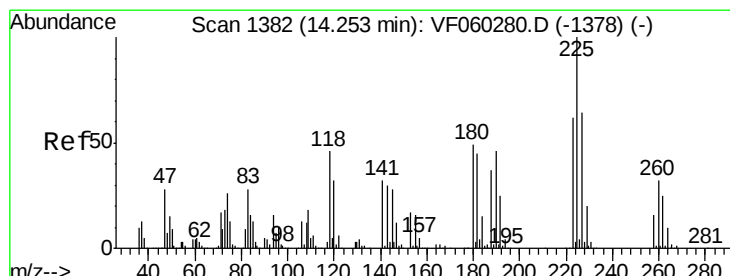
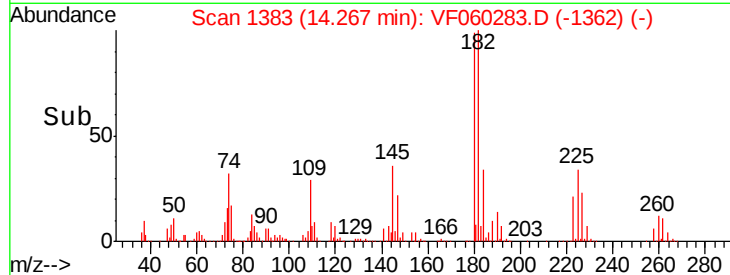
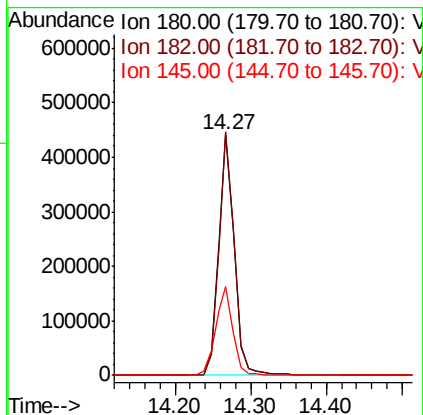
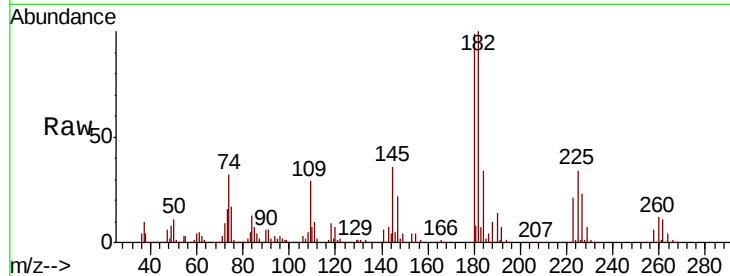




#93
 1,2,4-Trichlorobenzene
 Concen: 119.595 ug/l
 RT: 14.27 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

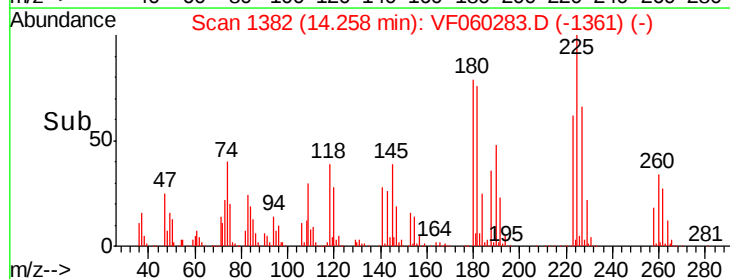
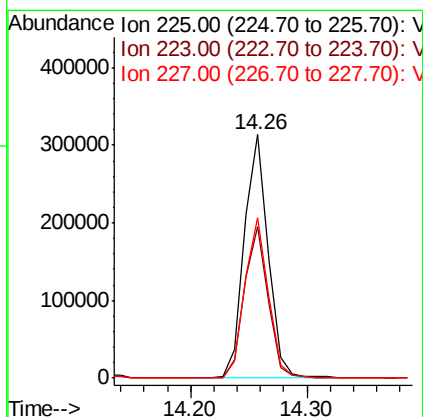
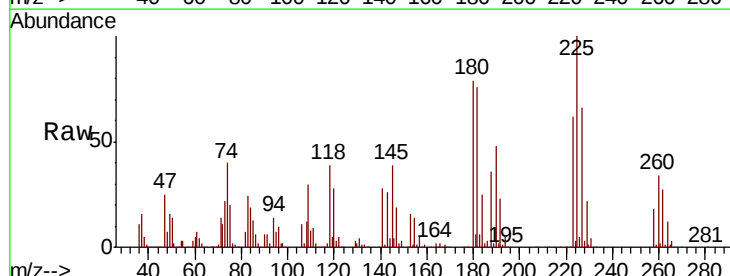
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

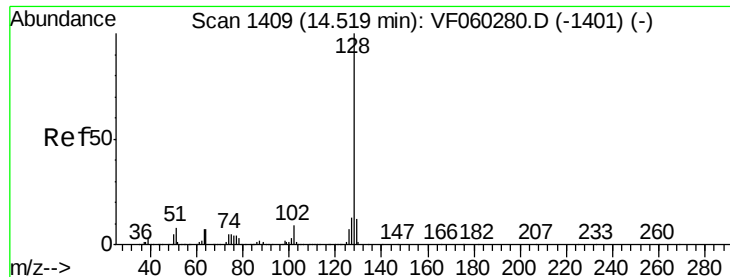
Tgt Ion:180 Resp: 649418
 Ion Ratio Lower Upper
 180 100
 182 101.1 50.3 151.0
 145 36.8 18.9 56.9



#94
 Hexachlorobutadiene
 Concen: 121.382 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060283.D
 Acq: 19 Sep 2018 15:38

Tgt Ion:225 Resp: 445569
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.2 93.6
 227 66.1 32.2 96.6





#95

Naphthalene

Concen: 139.044 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

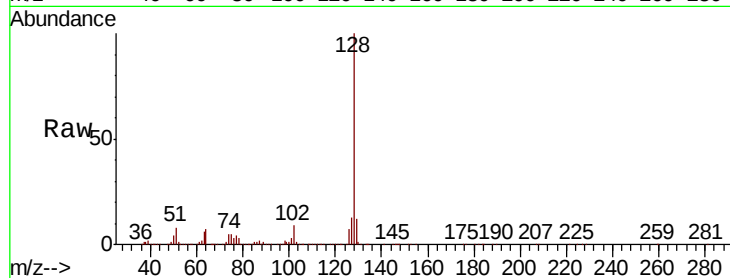
Tgt Ion:128 Resp: 1323759

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

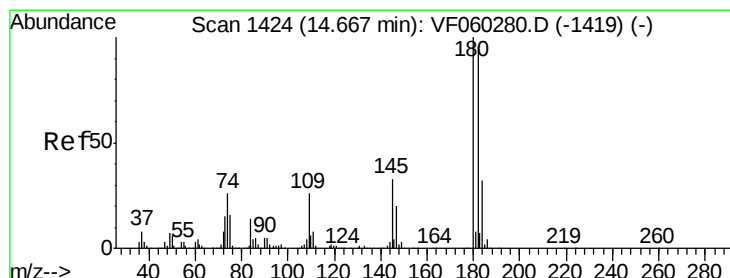
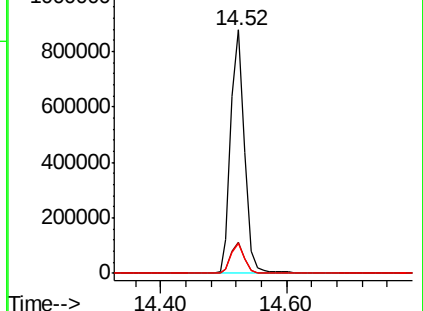
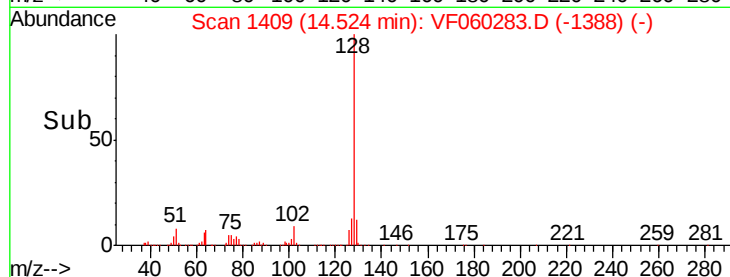
129 12.2 9.8 14.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 124.647 ug/l

RT: 14.67 min Scan# 1424

Delta R.T. 0.00 min

Lab File: VF060283.D

Acq: 19 Sep 2018 15:38

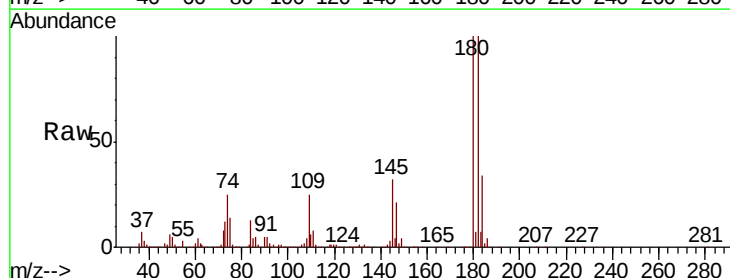
Tgt Ion:180 Resp: 625428

Ion Ratio Lower Upper

180 100

182 100.1 47.8 143.4

145 32.3 16.4 49.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

