

Data File : VF059983.D
Acq On : 17 Aug 2018 19:55
Operator : VA/AP
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC150

Quant Time: Aug 17 23:43:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 17 23:38:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	140298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	202710	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	204254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	130760	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	371460	135.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	271.94%	
35) Dibromofluoromethane	4.31	113	279082	135.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	270.58%	
50) Toluene-d8	7.72	98	641623	140.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	280.58%	
62) 4-Bromofluorobenzene	11.52	95	369361	131.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	263.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	314647	132.427	ug/l	99
3) Chloromethane	1.07	50	167510	136.903	ug/l	94
4) Vinyl Chloride	1.12	62	209763	149.375	ug/l	94
5) Bromomethane	1.32	94	157856	114.870	ug/l	96
6) Chloroethane	1.39	64	92480	126.027	ug/l	97
7) Trichlorofluoromethane	1.49	101	268701	70.775	ug/l	99
8) Diethyl Ether	1.71	74	90061	148.461	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.86	101	239600	125.739	ug/l	94
10) Methyl Iodide	1.93	142	301483	124.161	ug/l	99
11) Tert butyl alcohol	2.71	59	109812	652.429	ug/l #	94
12) 1,1-Dichloroethene	1.83	96	175810	133.238	ug/l	97
13) Acrolein	2.10	56	81175	912.937	ug/l	93
14) Allyl chloride	2.20	41	277326	123.825	ug/l	86
15) Acrylonitrile	3.08	53	141516	506.087	ug/l	90
16) Acetone	2.35	43	472343	537.470	ug/l	99
17) Carbon Disulfide	1.84	76	526011	125.193	ug/l	97
18) Methyl Acetate	2.46	43	166043	95.128	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	582463	130.696	ug/l	98
20) Methylene Chloride	2.28	84	198249	106.992	ug/l	98
21) trans-1,2-Dichloroethene	2.41	96	180646	128.408	ug/l	95
22) Diisopropyl ether	2.94	45	569178	117.702	ug/l	98
23) Vinyl Acetate	3.34	43	1408336	710.947	ug/l	98
24) 1,1-Dichloroethane	3.00	63	375324	117.937	ug/l	100
25) 2-Butanone	4.51	43	430532	626.229	ug/l	99
26) 2,2-Dichloropropane	3.76	77	410619	147.841	ug/l	95
27) cis-1,2-Dichloroethene	3.65	96	181422	141.397	ug/l	91
28) Bromochloromethane	3.90	49	111849	123.210	ug/l	95
29) Tetrahydrofuran	4.26	42	151247	615.979	ug/l	98
30) Chloroform	4.05	83	500854	138.070	ug/l	95
31) Cyclohexane	3.87	56	196035	137.081	ug/l	97
32) 1,1,1-Trichloroethane	4.29	97	466093	131.893	ug/l	98
36) 1,1-Dichloropropene	4.46	75	300995	131.587	ug/l	98
37) Ethyl Acetate	4.31	43	161939	120.054	ug/l #	70
38) Carbon Tetrachloride	4.18	117	427068	129.945	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	242883	140.192	ug/l	96
40) Benzene	4.82	78	540673	138.924	ug/l	100
41) Methacrylonitrile	4.93	41	80211	125.496	ug/l	95
42) 1,2-Dichloroethane	5.12	62	424811	126.026	ug/l	98
43) Isopropyl Acetate	7.11	43	206255	140.293	ug/l #	88
44) Trichloroethene	5.69	130	199899	131.555	ug/l	96
45) 1,2-Dichloropropane	6.42	63	151446	136.432	ug/l	100
46) Dibromomethane	6.27	93	149016	132.358	ug/l	92
47) Bromodichloromethane	6.55	83	415639	139.793	ug/l	96
48) Methyl methacrylate	6.88	41	156801	143.082	ug/l	93
49) 1,4-Dioxane	6.88	88	27075	3086.268	ug/l #	79
51) 4-Methyl-2-Pentanone	8.42	43	838608	610.830	ug/l	100
52) Toluene	7.79	92	384629	131.218	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	346173	137.123	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	349741	143.719	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	161945	134.754	ug/l	93
56) Ethyl methacrylate	8.77	69	199374	142.380	ug/l	98
57) 1,3-Dichloropropane	9.01	76	284394	133.225	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.79	63	89488	777.409	ug/l	100
59) 2-Hexanone	9.64	43	692360	606.958	ug/l	96
60) Dibromochloromethane	8.87	129	310339	142.652	ug/l	98
61) 1,2-Dibromoethane	9.15	107	209191	137.978	ug/l	91
64) Tetrachloroethene	8.32	164	207346	135.246	ug/l	91
65) Chlorobenzene	9.95	112	533022	133.752	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	254169	138.773	ug/l	95
67) Ethyl Benzene	10.05	91	942203	131.709	ug/l	100
68) m/p-Xylenes	10.28	106	637776	256.161	ug/l	89
69) o-Xylene	10.84	106	343771	134.254	ug/l	97
70) Styrene	10.91	104	539711	132.351	ug/l	99
71) Bromoform	10.90	173	195659	141.881	ug/l #	100
73) Isopropylbenzene	11.24	105	1099661	140.629	ug/l	99
74) N-amyl acetate	11.47	43	350568	151.584	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.80	83	215335	135.015	ug/l	97
76) 1,2,3-Trichloropropane	11.90	75	186908	131.084	ug/l	100
77) Bromobenzene	11.60	156	302973	137.326	ug/l	98
78) n-propylbenzene	11.70	91	1282010	132.034	ug/l	99
79) 2-Chlorotoluene	11.83	91	806843	135.669	ug/l	93
80) 1,3,5-Trimethylbenzene	11.93	105	962376	135.955	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	117296	159.567	ug/l	96
82) 4-Chlorotoluene	11.99	91	884277	136.555	ug/l	97
83) tert-Butylbenzene	12.22	119	912075	130.361	ug/l	97
84) 1,2,4-Trimethylbenzene	12.30	105	981997	132.086	ug/l	100
85) sec-Butylbenzene	12.40	105	1192552	130.265	ug/l	100
86) p-Isopropyltoluene	12.55	119	1086224	134.221	ug/l	99
87) 1,3-Dichlorobenzene	12.57	146	530566	127.214	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	537078	131.516	ug/l	98
89) n-Butylbenzene	12.93	91	1062974	135.878	ug/l	96
90) Hexachloroethane	13.00	117	260691	143.160	ug/l	98
91) 1,2-Dichlorobenzene	13.03	146	522747	130.256	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	64295	142.996	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF081718\
Quantitation Report (Not Reviewed)

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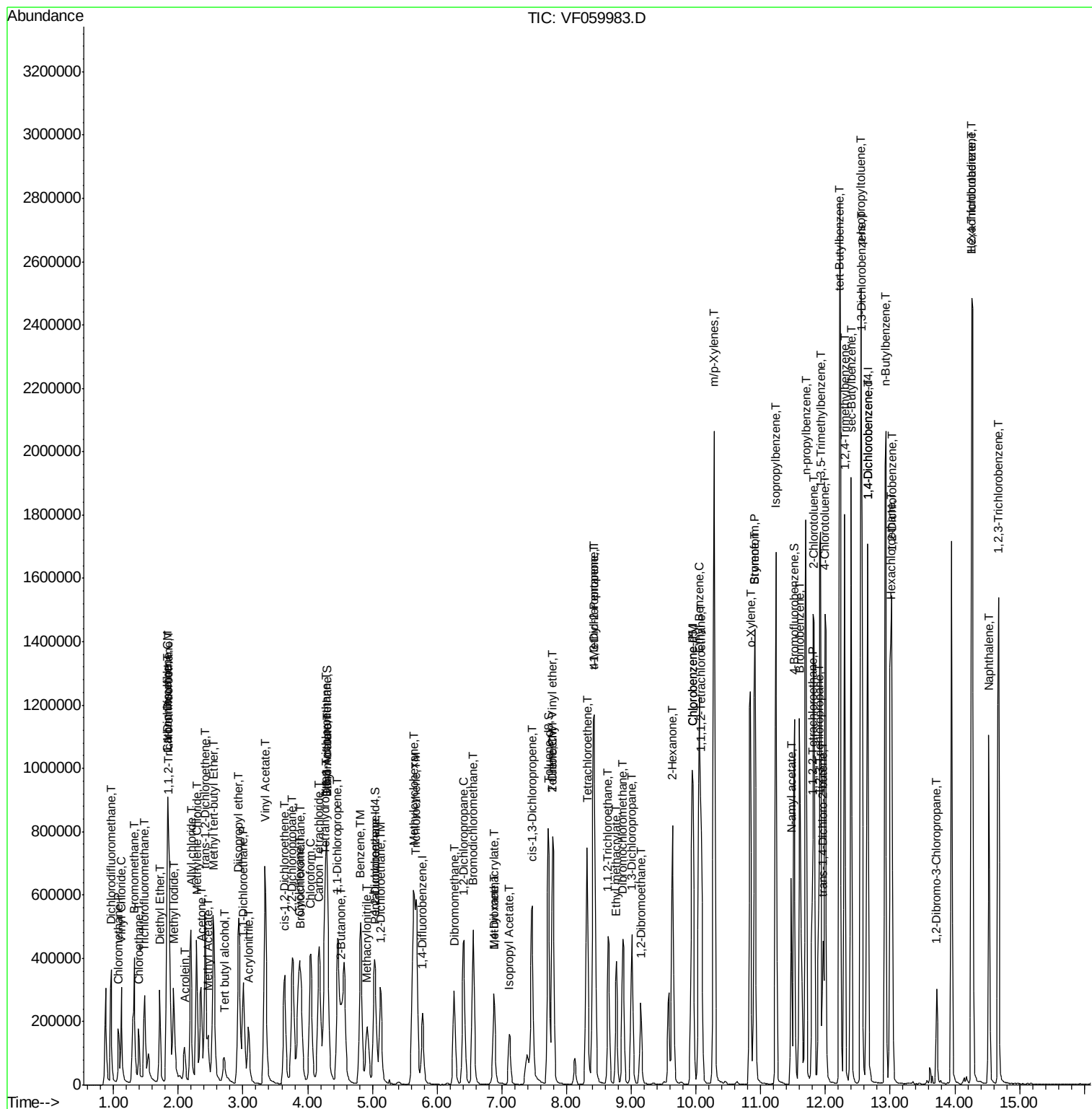
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	421972	129.595	ug/l	96
94) Hexachlorobutadiene	14.26	225	285923	132.981	ug/l	95
95) Naphthalene	14.53	128	765881	161.723	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	429482	136.533	ug/l	98

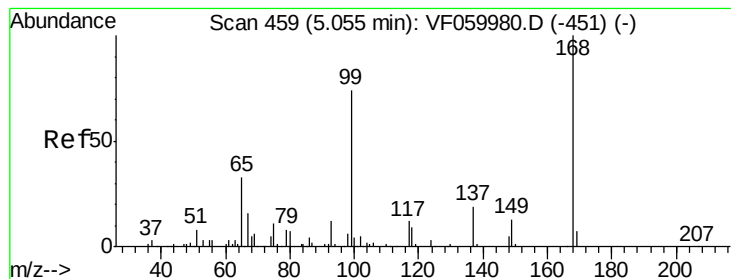
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VF059983.D
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MSVOA_F
ClientSampleId :
VSTDIC150

Quant Time: Aug 17 23:43:19 2018
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Quant Title : SW846 8260
QLast Update : Fri Aug 17 23:38:00 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

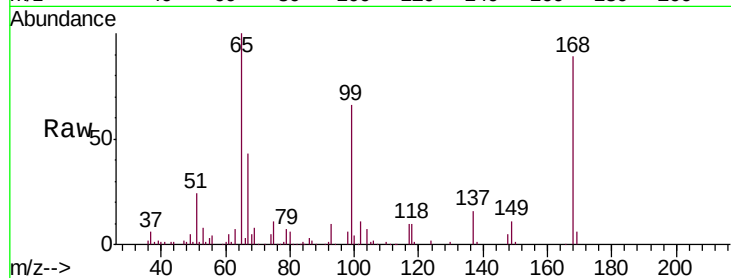
VSTDIC150

Tgt Ion:168 Resp: 140298

Ion Ratio Lower Upper

168 100

99 74.1 59.0 88.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

40000

30000

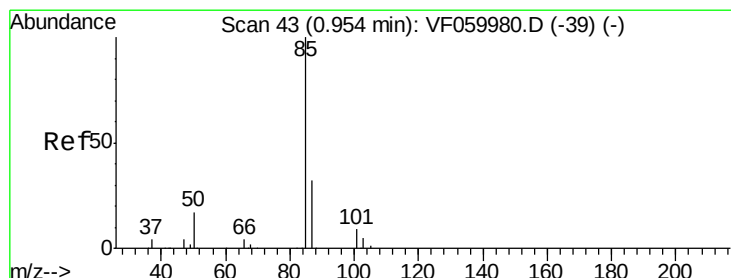
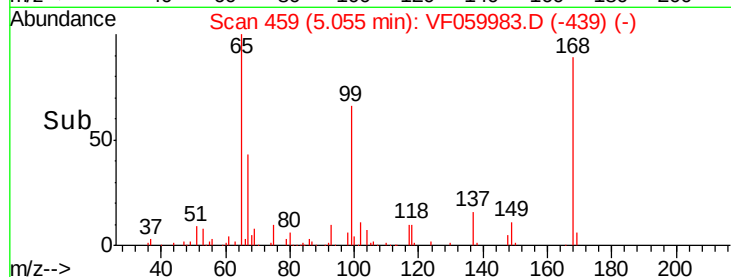
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 132.427 ug/l

RT: 0.96 min Scan# 44

Delta R.T. 0.01 min

Lab File: VF059983.D

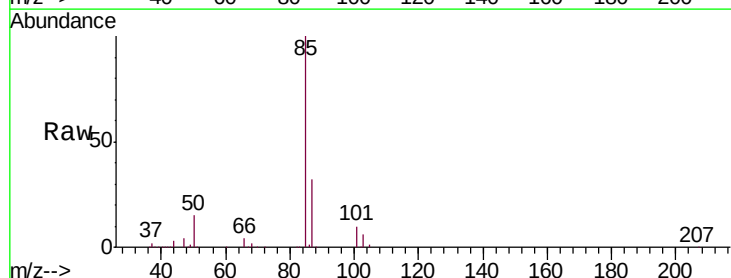
Acq: 17 Aug 2018 19:55

Tgt Ion: 85 Resp: 314647

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

200000

150000

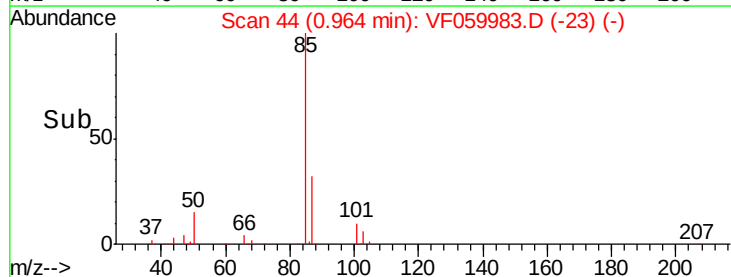
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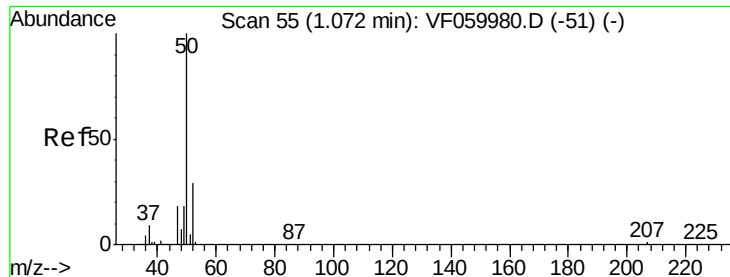
50000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 136.903 ug/l

RT: 1.07 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

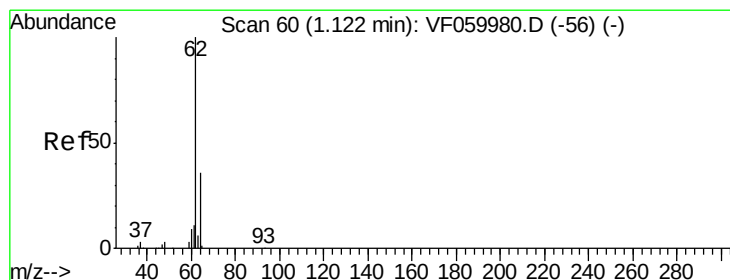
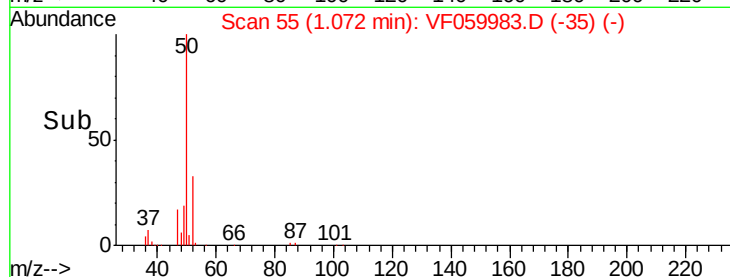
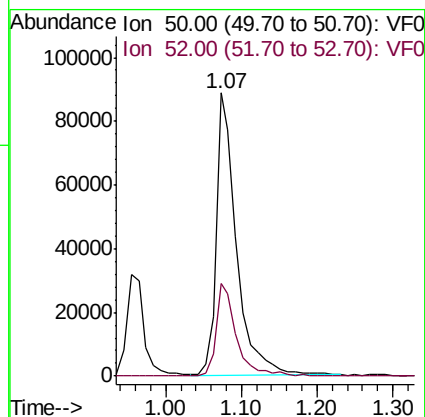
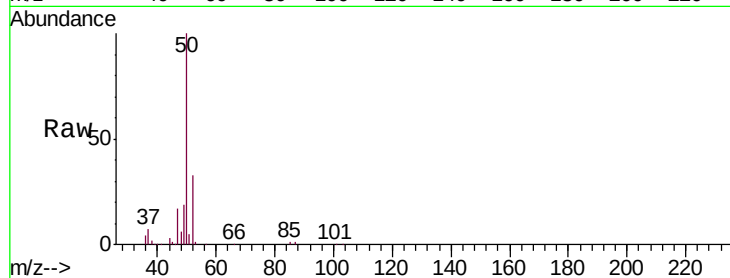
VSTDIC150

Tgt Ion: 50 Resp: 167510

Ion Ratio Lower Upper

50 100

52 32.8 23.6 35.4



#4

Vinyl Chloride

Concen: 149.375 ug/l

RT: 1.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF059983.D

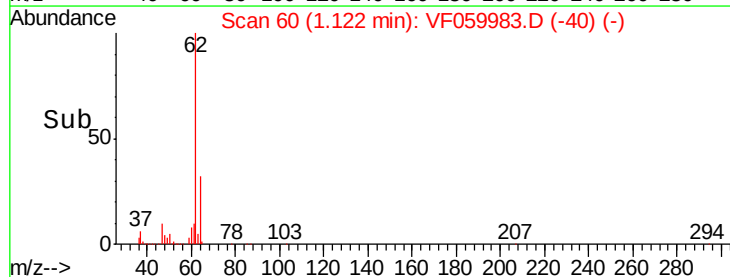
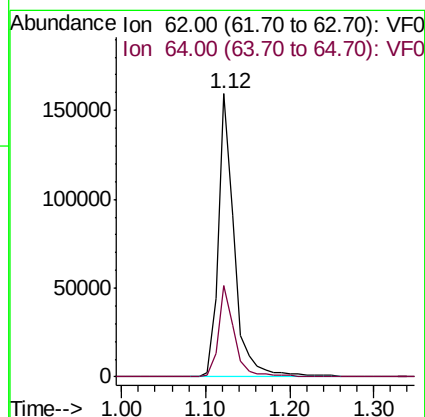
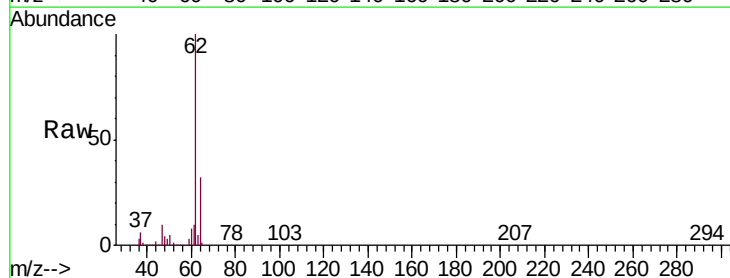
Acq: 17 Aug 2018 19:55

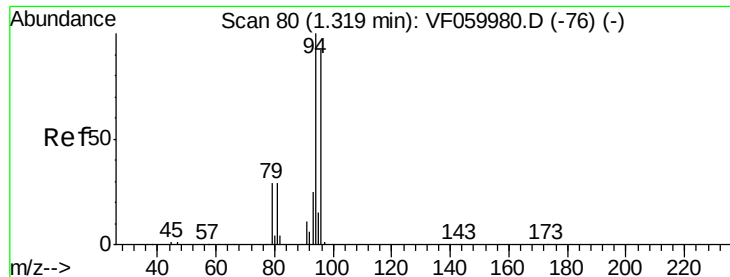
Tgt Ion: 62 Resp: 209763

Ion Ratio Lower Upper

62 100

64 32.2 28.7 43.1





#5

Bromomethane

Concen: 114.870 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

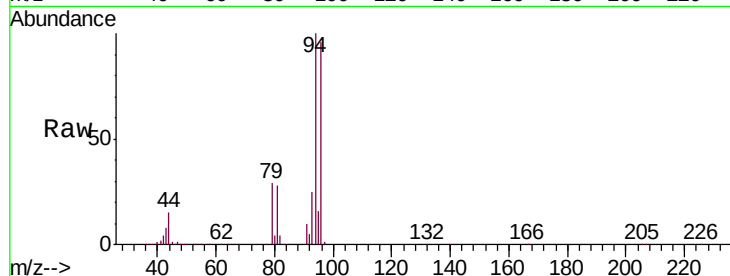
VSTDIC150

Tgt Ion: 94 Resp: 157856

Ion Ratio Lower Upper

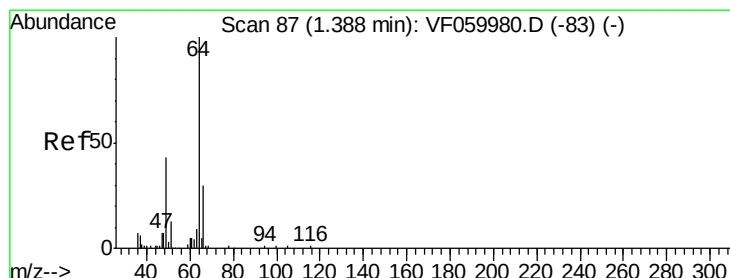
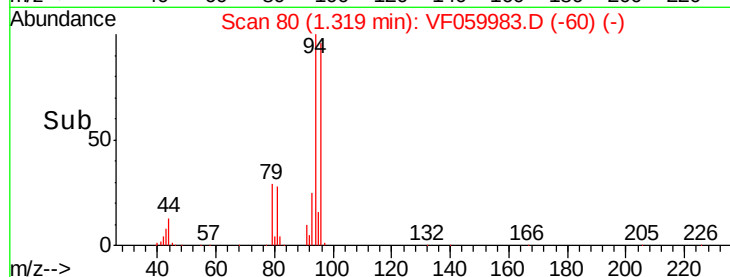
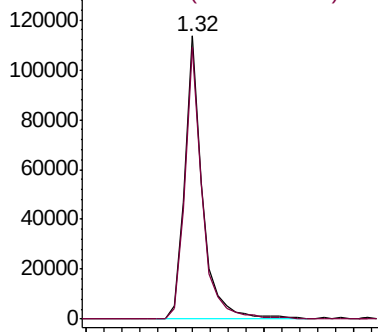
94 100

96 96.3 73.9 110.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 126.027 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF059983.D

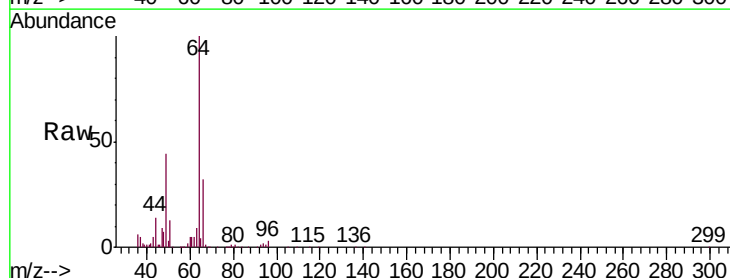
Acq: 17 Aug 2018 19:55

Tgt Ion: 64 Resp: 92480

Ion Ratio Lower Upper

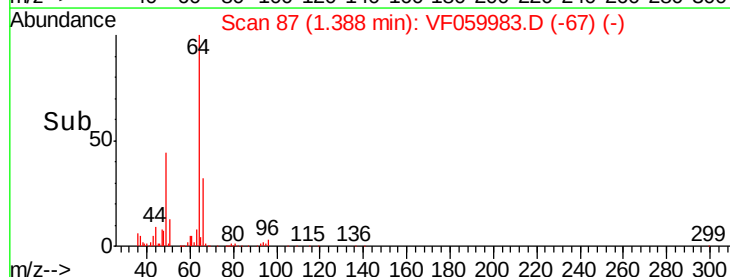
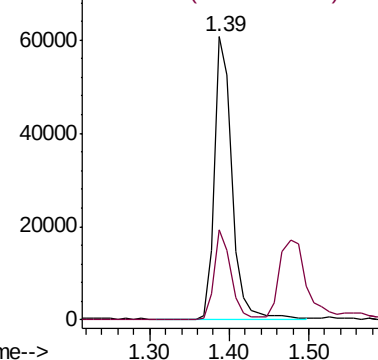
64 100

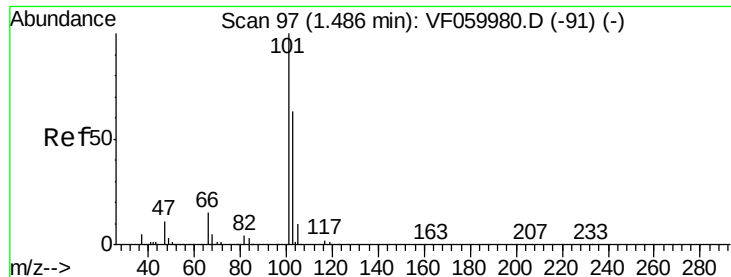
66 32.0 24.4 36.6



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



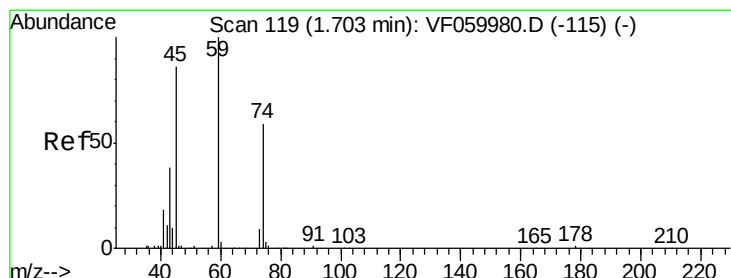
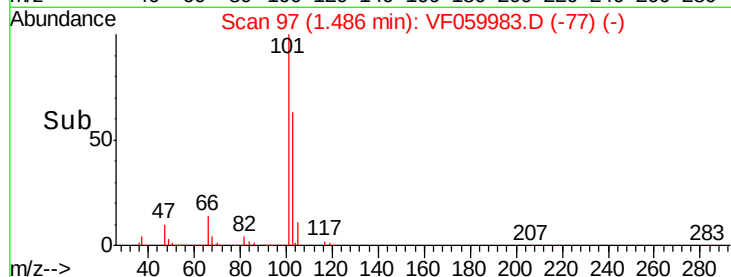
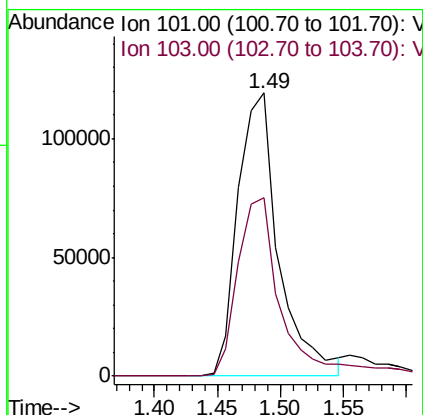
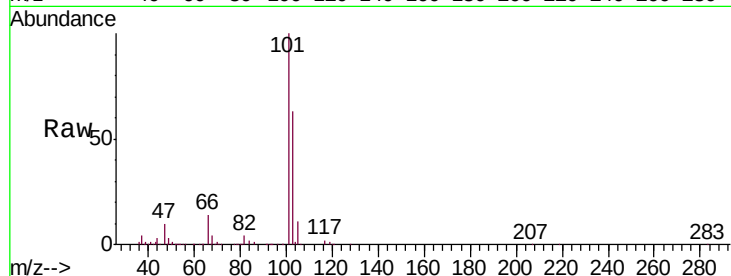


#7

Trichlorofluoromethane
 Concen: 70.775 ug/l
 RT: 1.49 min Scan# 97
 Delta R.T. 0.00 min
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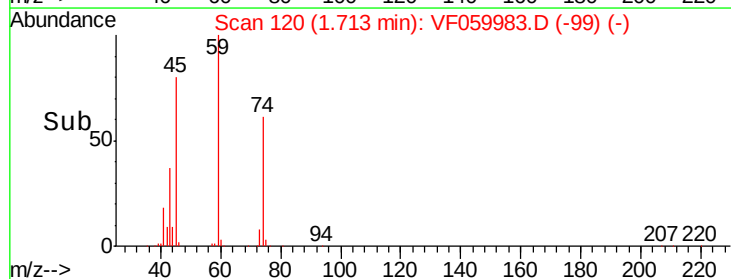
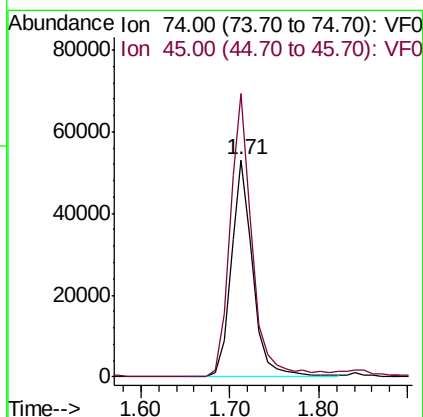
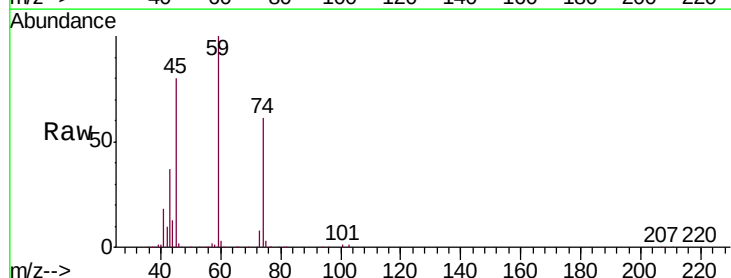
Tgt Ion: 101 Resp: 268701
 Ion Ratio Lower Upper
 101 100
 103 63.0 50.8 76.2

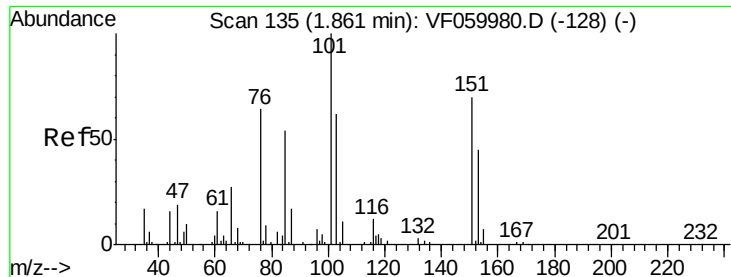


#8

Diethyl Ether
 Concen: 148.461 ug/l
 RT: 1.71 min Scan# 120
 Delta R.T. 0.01 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Tgt Ion: 74 Resp: 90061
 Ion Ratio Lower Upper
 74 100
 45 130.5 73.5 220.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 125.739 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

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ClientSampleId :

VSTDIC150

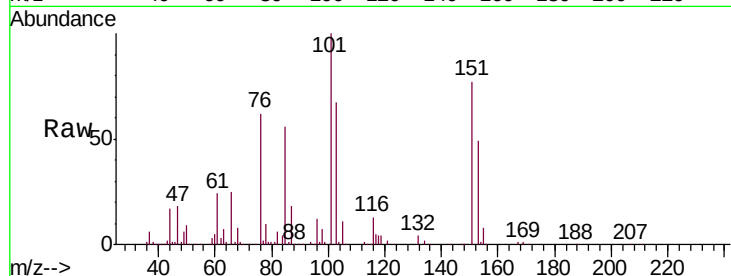
Tgt Ion:101 Resp: 239600

Ion Ratio Lower Upper

101 100

85 55.8 43.0 64.6

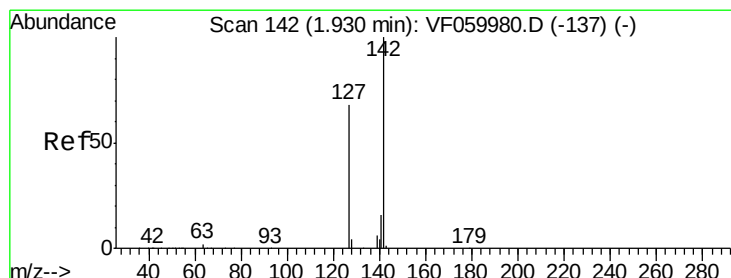
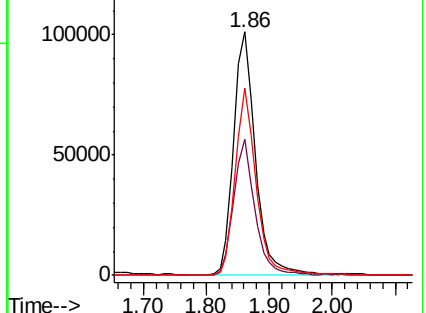
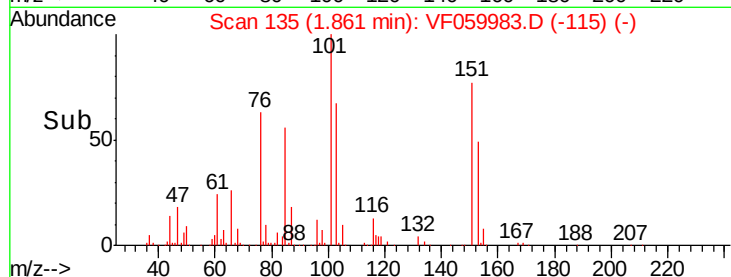
151 76.7 56.2 84.2



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: 124.161 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

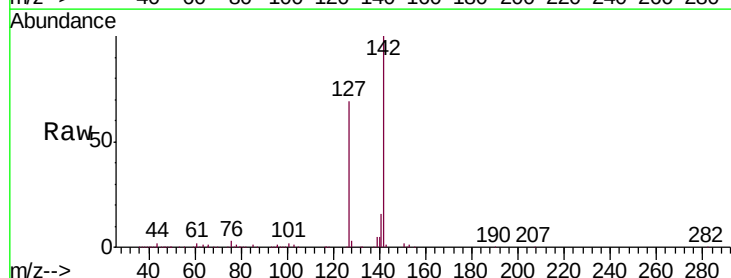
Tgt Ion:142 Resp: 301483

Ion Ratio Lower Upper

142 100

127 68.9 54.1 81.1

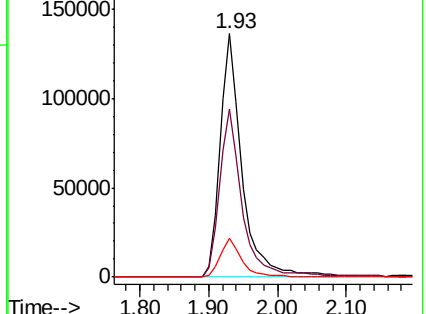
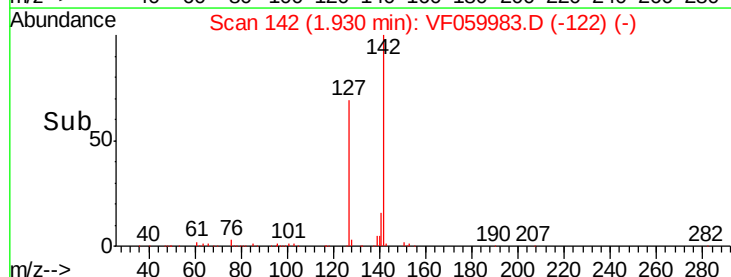
141 16.0 12.5 18.7

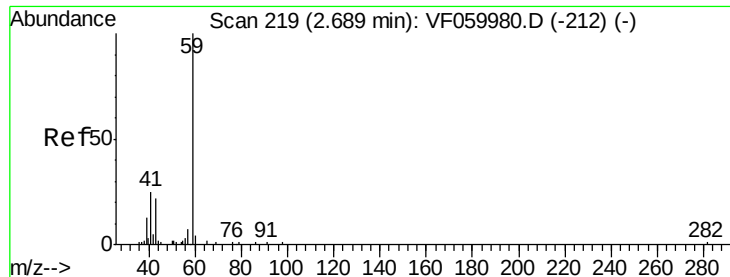


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

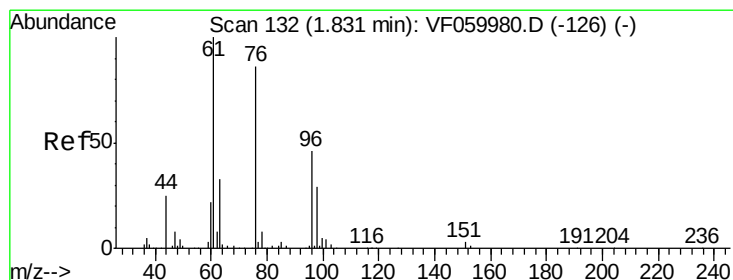
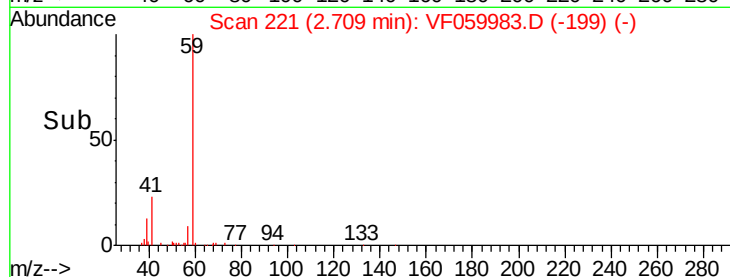
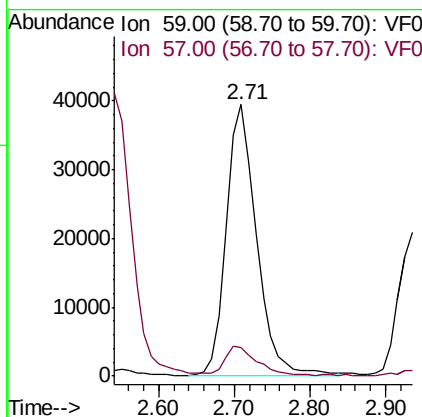
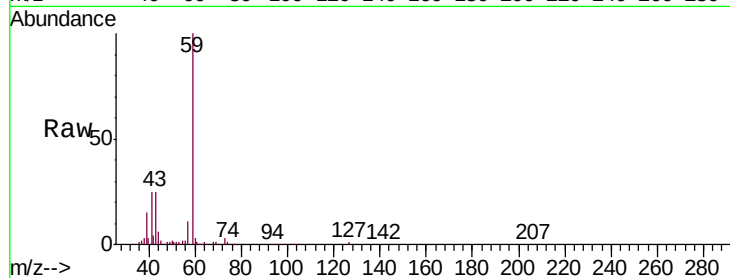




#11
Tert butyl alcohol
Concen: 652.429 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.02 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

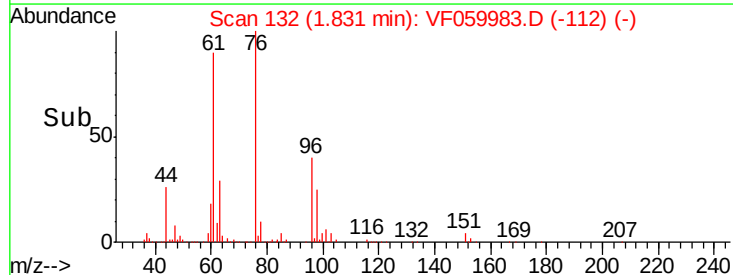
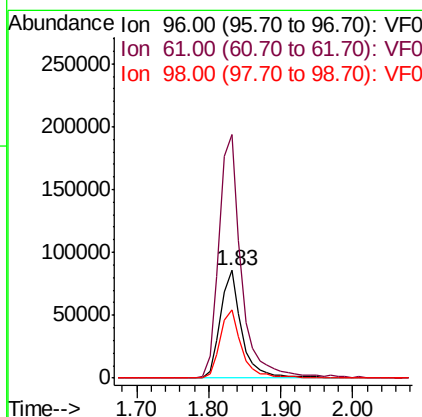
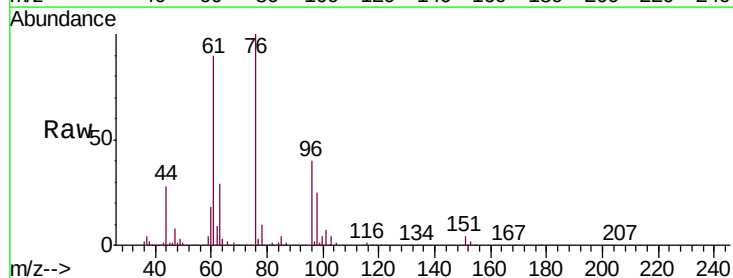
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

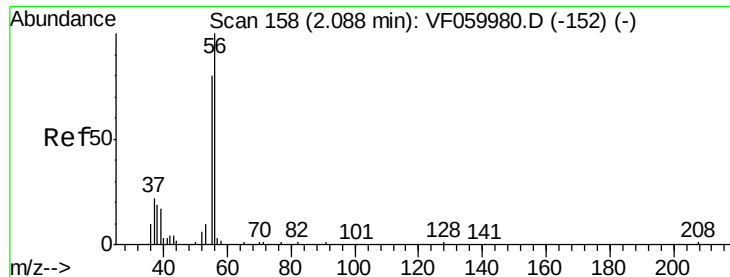
Tgt Ion: 59 Resp: 109812
Ion Ratio Lower Upper
59 100
57 10.5 6.8 10.2#



#12
1,1-Dichloroethene
Concen: 133.238 ug/l
RT: 1.83 min Scan# 132
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion: 96 Resp: 175810
Ion Ratio Lower Upper
96 100
61 226.5 175.6 263.4
98 63.4 50.6 75.8





#13

Acrolein

Concen: 912.937 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

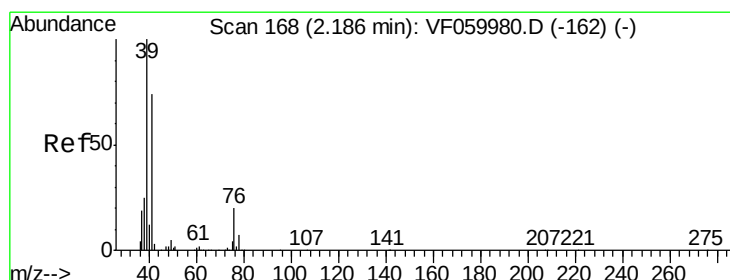
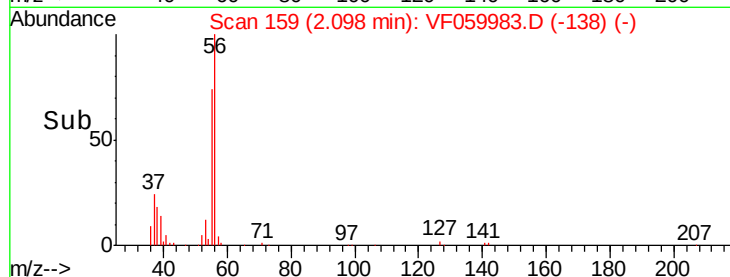
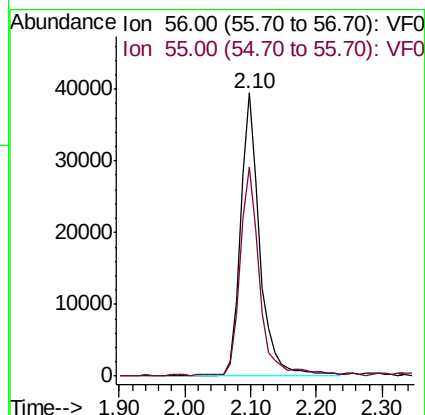
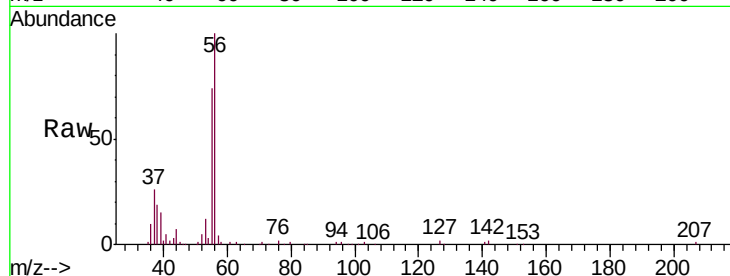
VSTDIC150

Tgt Ion: 56 Resp: 81175

Ion Ratio Lower Upper

56 100

55 73.8 63.8 95.6



#14

Allyl chloride

Concen: 123.825 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

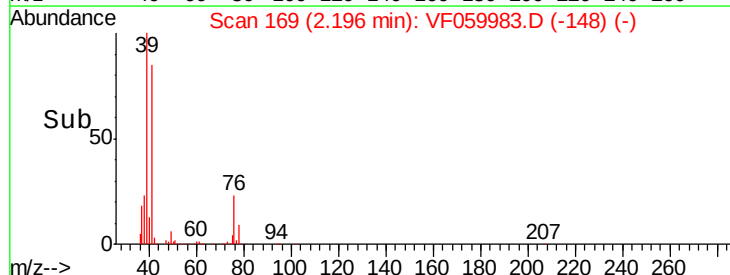
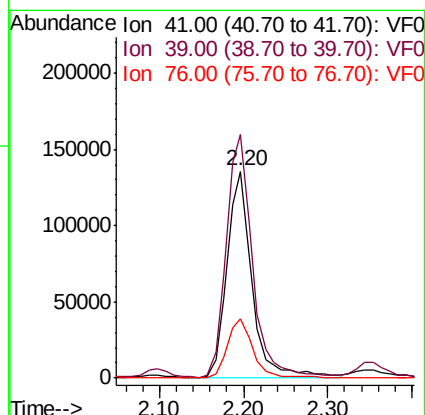
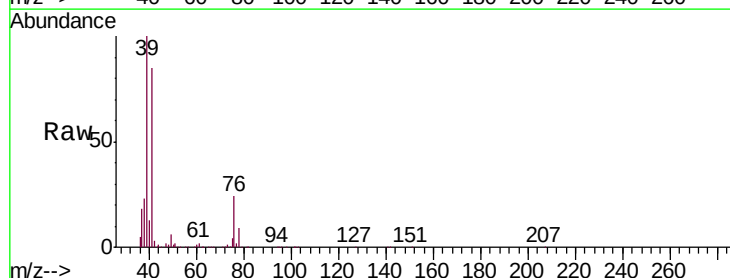
Tgt Ion: 41 Resp: 277326

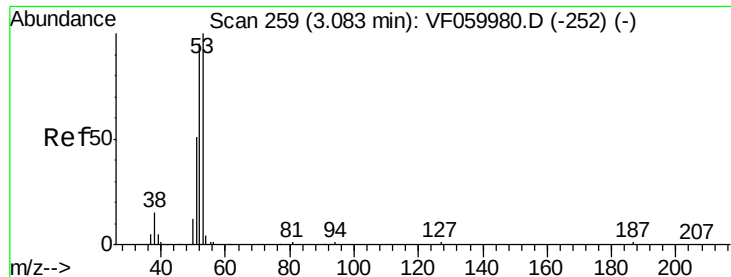
Ion Ratio Lower Upper

41 100

39 117.9 109.3 163.9

76 28.6 21.3 31.9





#15

Acrylonitrile

Concen: 506.087 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

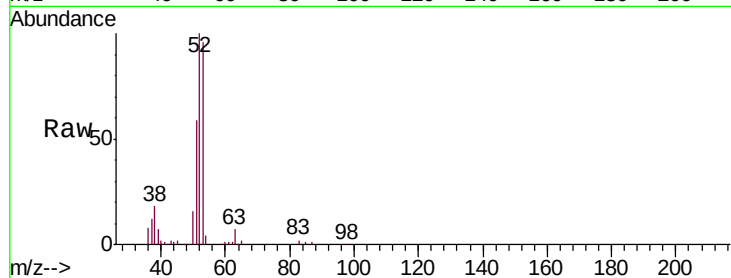
Tgt Ion: 53 Resp: 141516

Ion Ratio Lower Upper

53 100

52 104.0 76.0 114.0

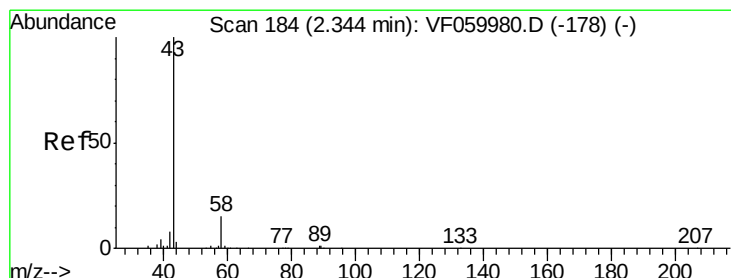
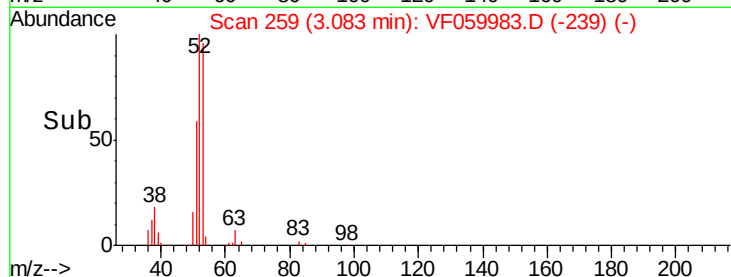
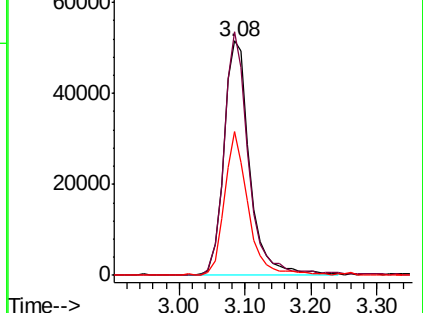
51 61.4 41.9 62.9



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: 537.470 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF059983.D

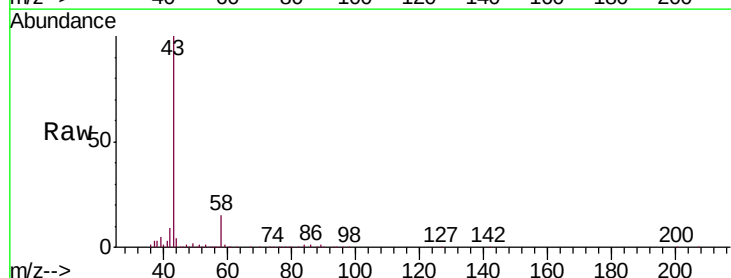
Acq: 17 Aug 2018 19:55

Tgt Ion: 43 Resp: 472343

Ion Ratio Lower Upper

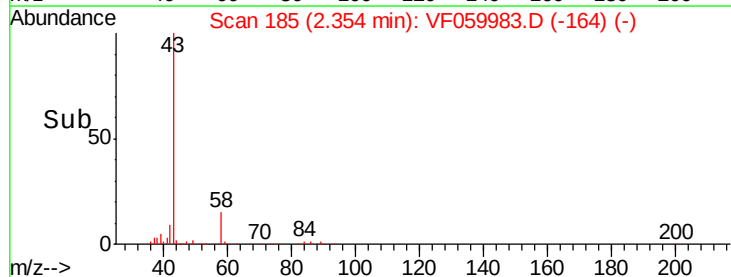
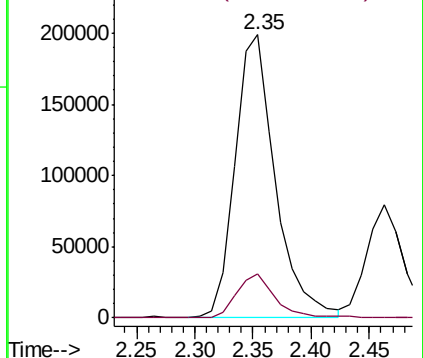
43 100

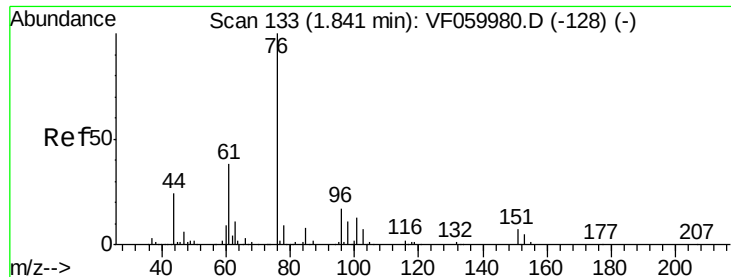
58 15.4 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

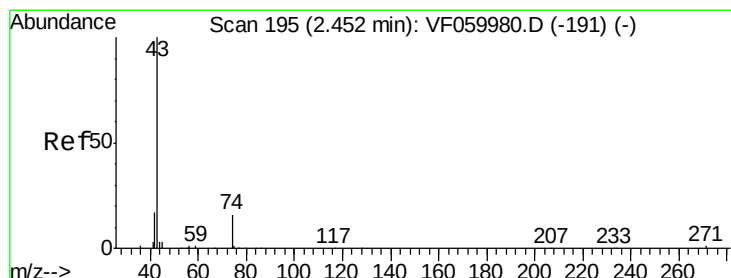
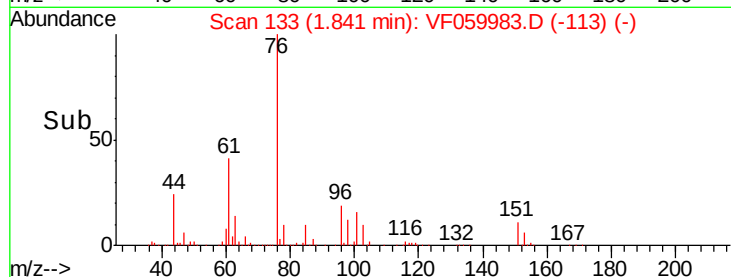
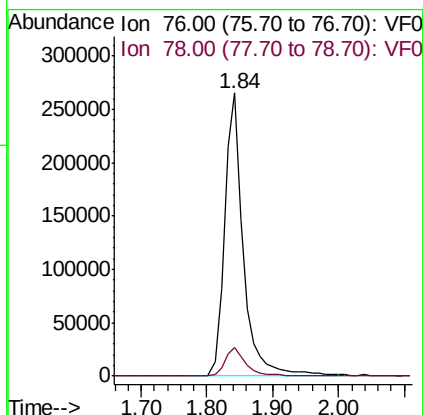
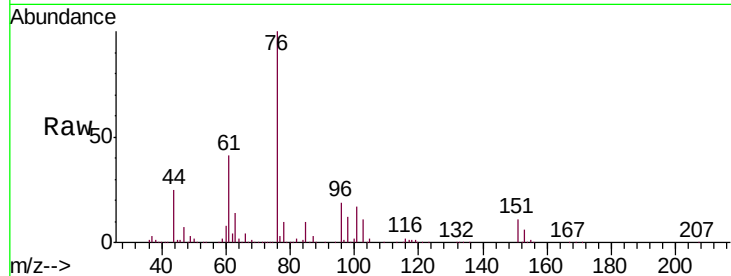




#17
Carbon Disulfide
Concen: 125.193 ug/l
RT: 1.84 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

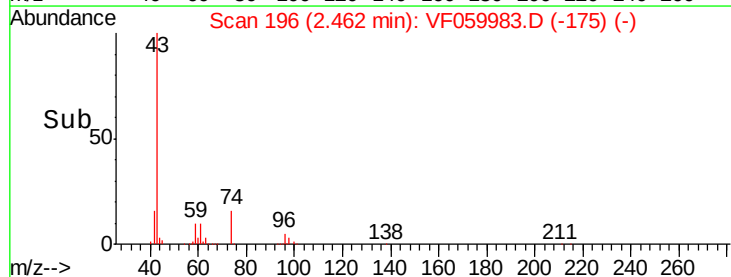
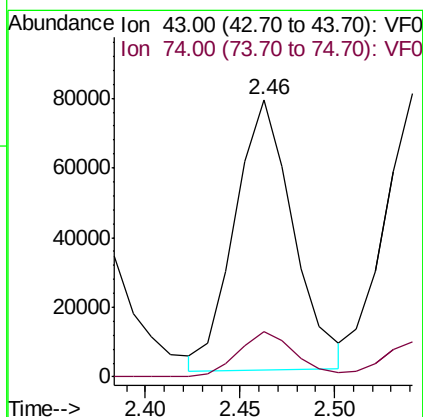
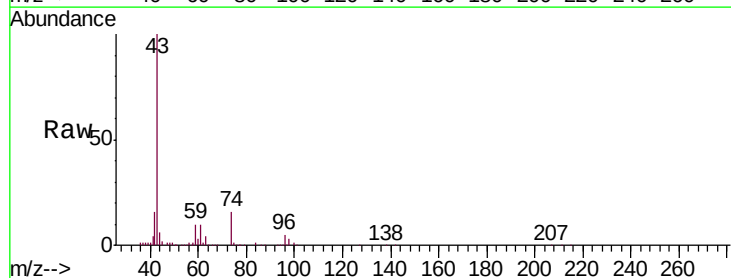
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

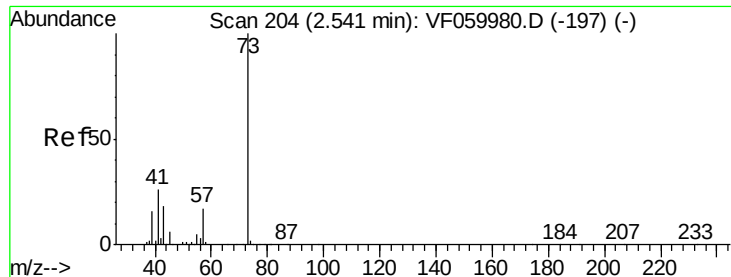
Tgt Ion: 76 Resp: 526011
Ion Ratio Lower Upper
76 100
78 10.1 7.2 10.8



#18
Methyl Acetate
Concen: 95.128 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.01 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion: 43 Resp: 166043
Ion Ratio Lower Upper
43 100
74 16.2 12.3 18.5



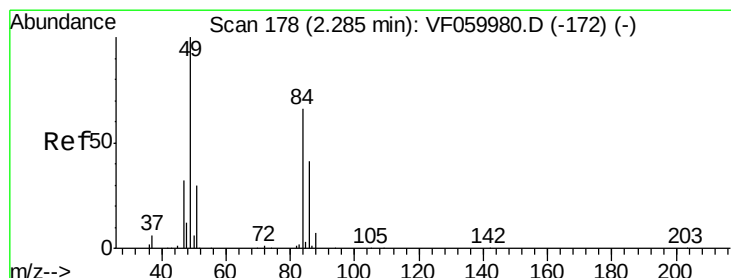
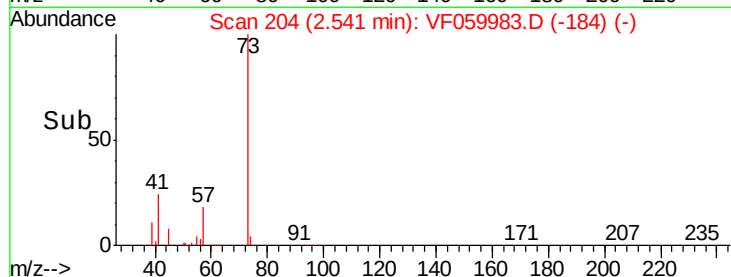
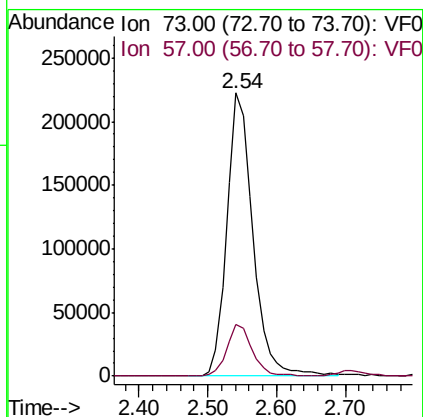
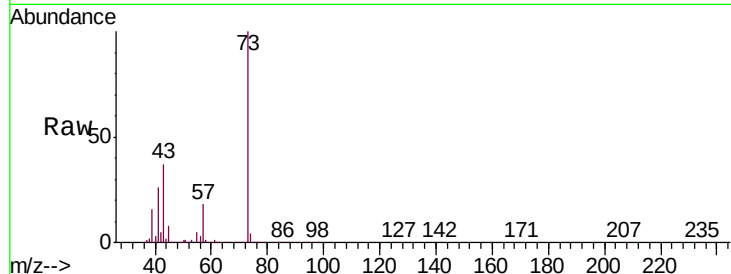


#19

Methyl tert-butyl Ether
 Concen: 130.696 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

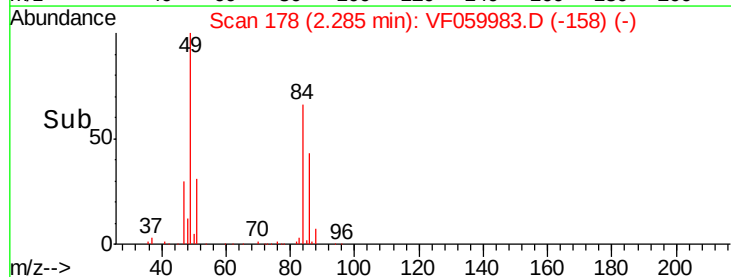
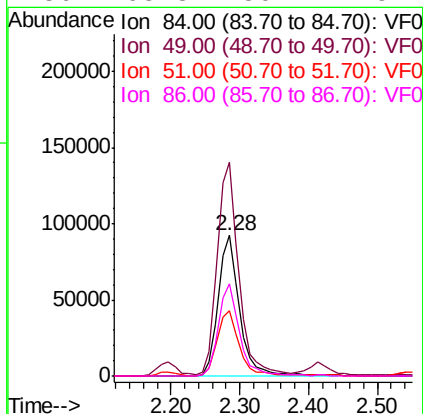
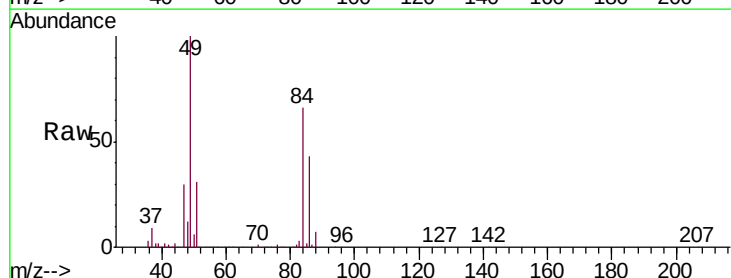
Tgt Ion: 73 Resp: 582463
 Ion Ratio Lower Upper
 73 100
 57 18.5 14.2 21.2

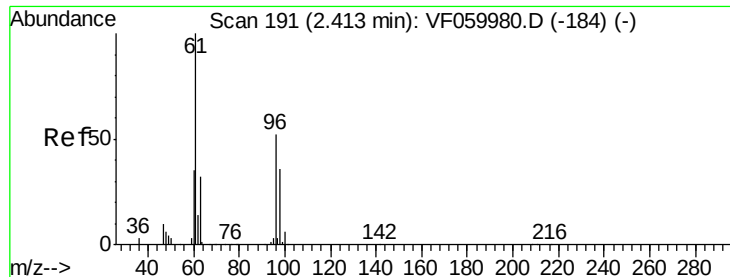


#20

Methylene Chloride
 Concen: 106.992 ug/l
 RT: 2.28 min Scan# 178
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Tgt Ion: 84 Resp: 198249
 Ion Ratio Lower Upper
 84 100
 49 151.8 122.5 183.7
 51 46.6 37.1 55.7
 86 65.8 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 128.408 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

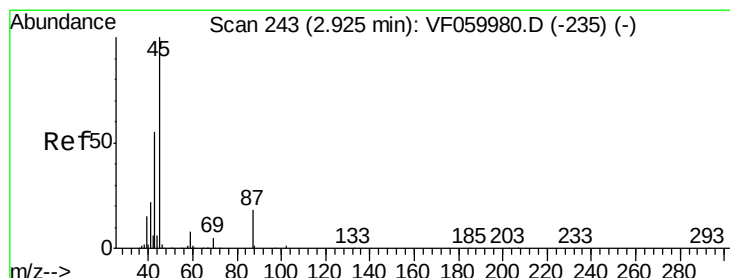
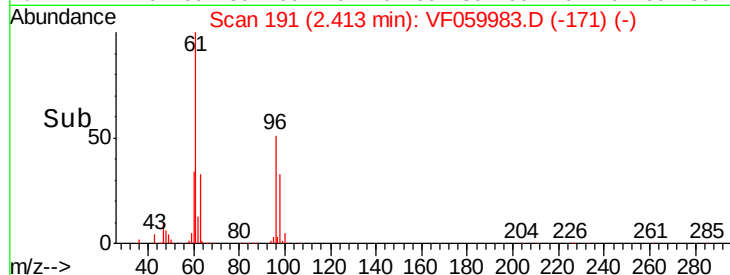
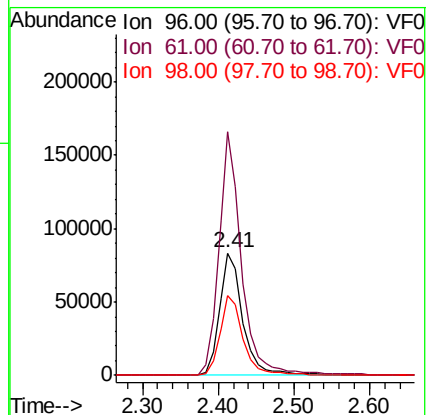
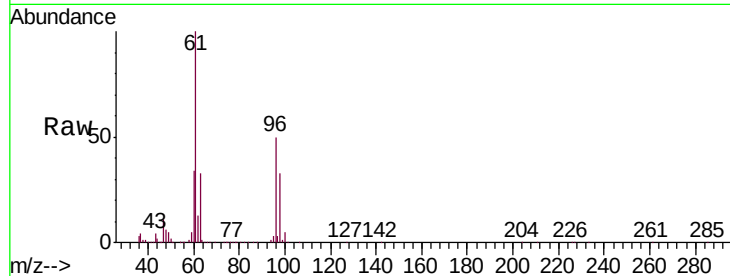
Tgt Ion: 96 Resp: 180646

Ion Ratio Lower Upper

96 100

61 198.5 153.0 229.4

98 65.0 55.5 83.3



#22

Diisopropyl ether

Concen: 117.702 ug/l

RT: 2.94 min Scan# 244

Delta R.T. 0.01 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Tgt Ion: 45 Resp: 569178

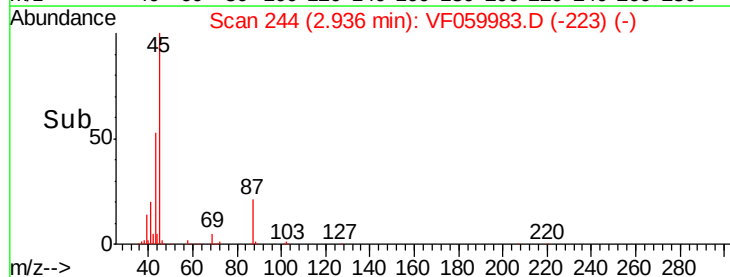
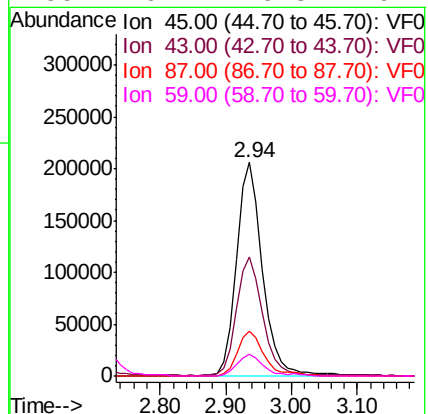
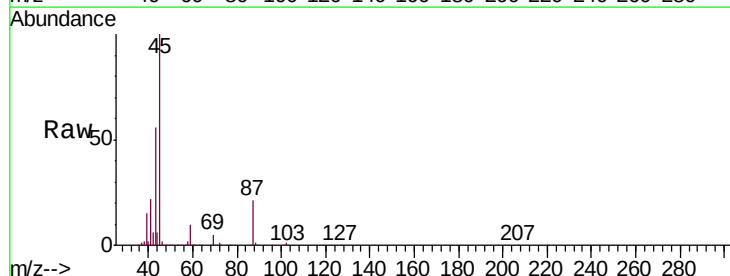
Ion Ratio Lower Upper

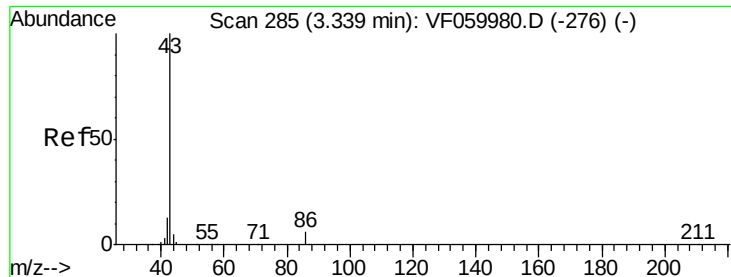
45 100

43 55.7 44.8 67.2

87 20.8 14.6 21.8

59 10.1 6.8 10.2





#23

Vinyl Acetate

Concen: 710.947 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

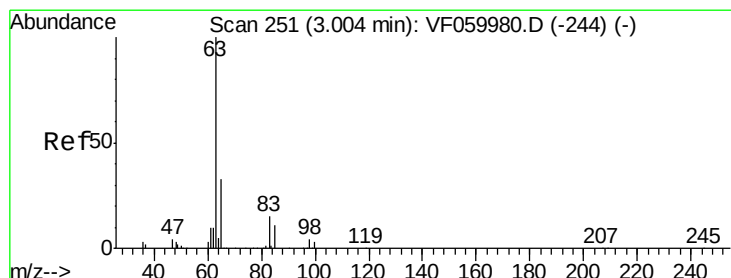
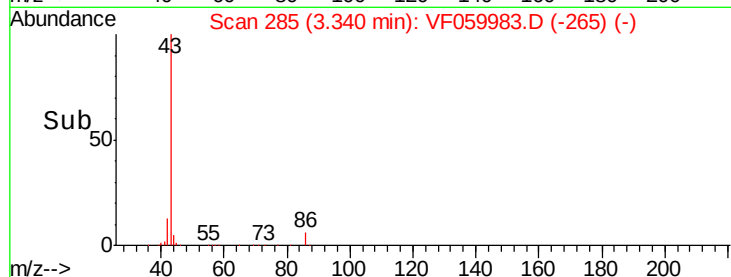
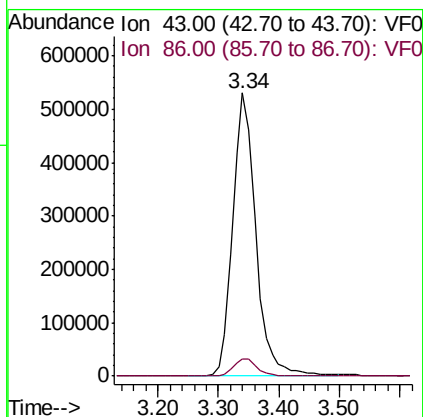
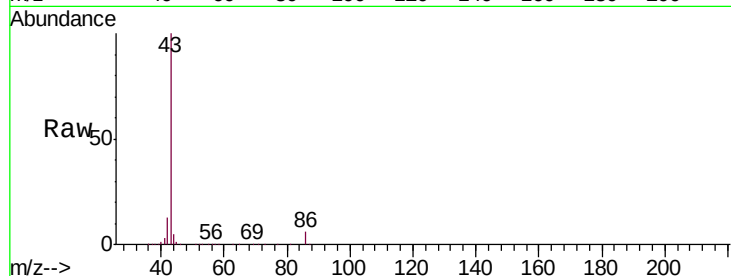
VSTDIC150

Tgt Ion: 43 Resp: 1408336

Ion Ratio Lower Upper

43 100

86 6.0 4.4 6.6



#24

1,1-Dichloroethane

Concen: 117.937 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

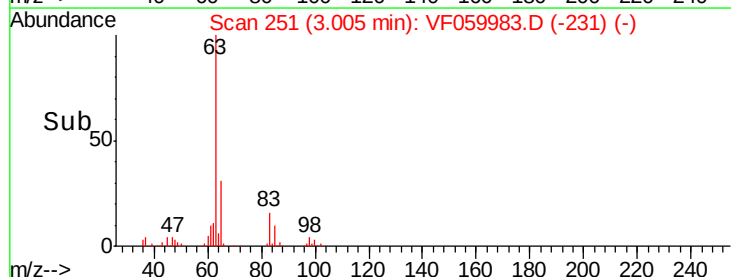
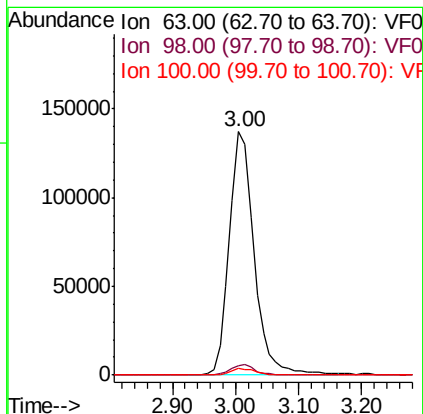
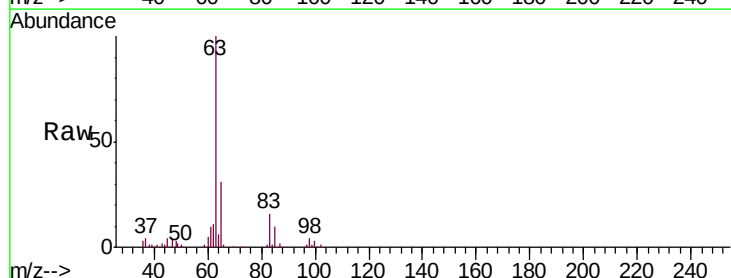
Tgt Ion: 63 Resp: 375324

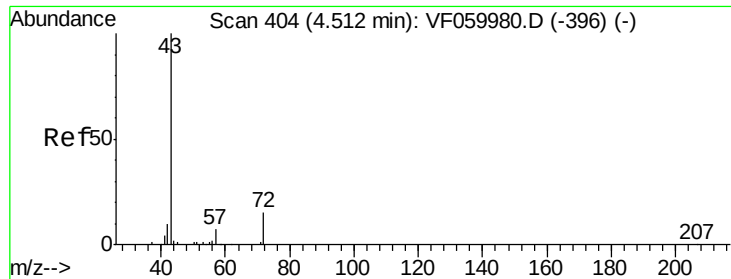
Ion Ratio Lower Upper

63 100

98 4.1 2.0 5.8

100 2.8 1.4 4.2





#25

2-Butanone

Concen: 626.229 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

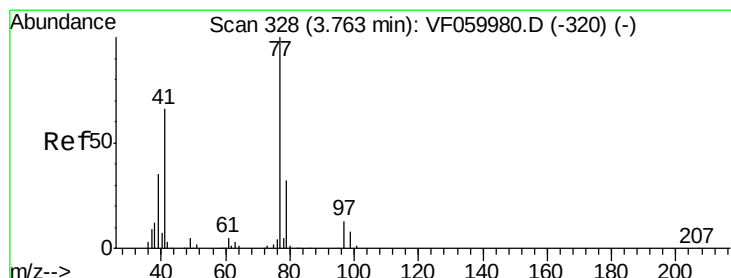
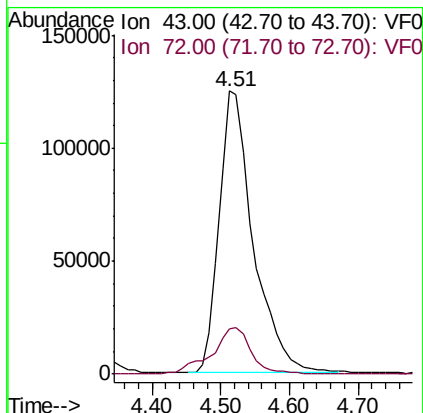
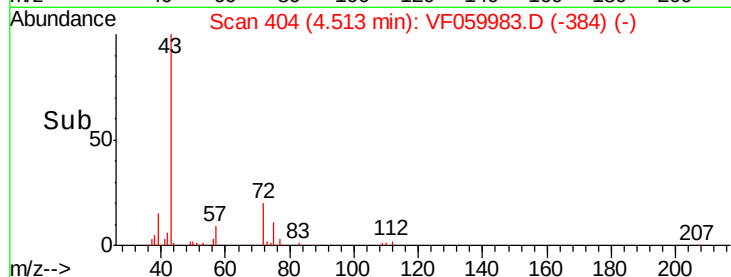
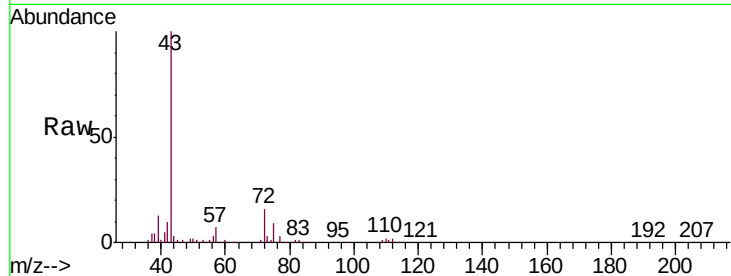
VSTDIC150

Tgt Ion: 43 Resp: 430532

Ion Ratio Lower Upper

43 100

72 16.1 12.5 18.7



#26

2,2-Dichloropropane

Concen: 147.841 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.00 min

Lab File: VF059983.D

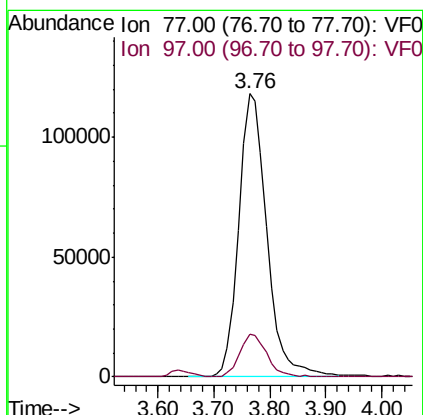
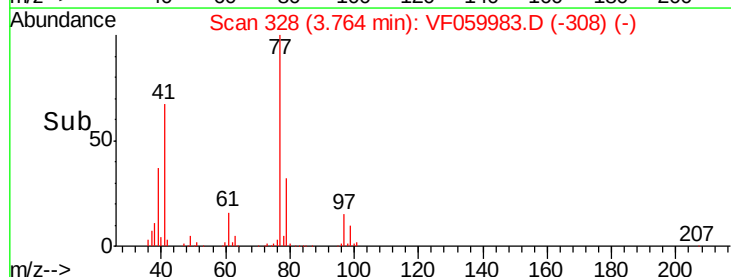
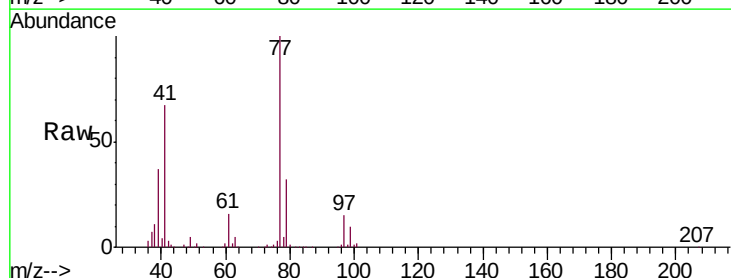
Acq: 17 Aug 2018 19:55

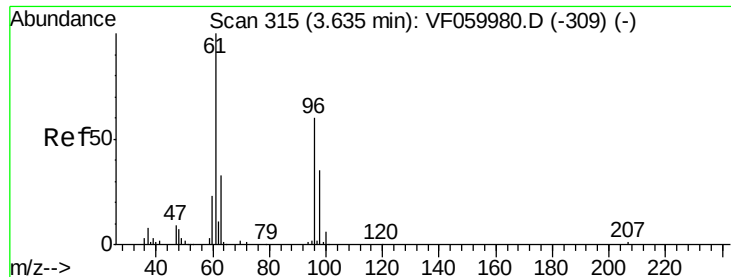
Tgt Ion: 77 Resp: 410619

Ion Ratio Lower Upper

77 100

97 15.2 6.7 20.0



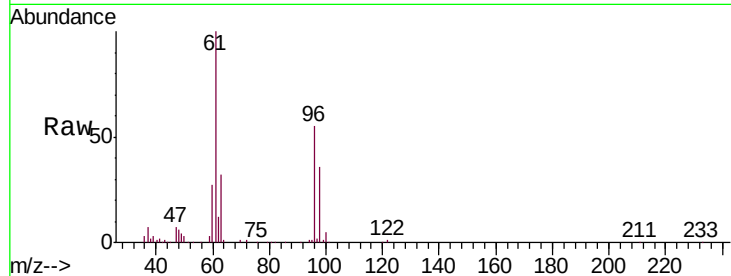


#27

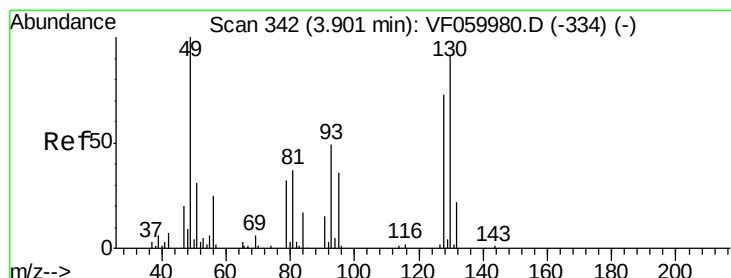
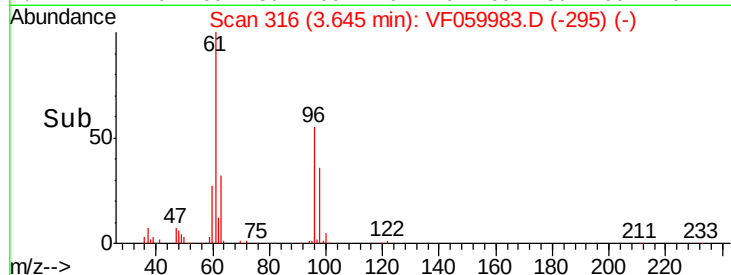
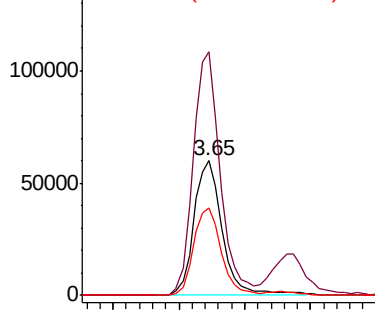
cis-1,2-Dichloroethene
 Concen: 141.397 ug/l
 RT: 3.65 min Scan# 316
 Delta R.T. 0.01 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.7	0.0	335.0
98	64.8	0.0	117.2



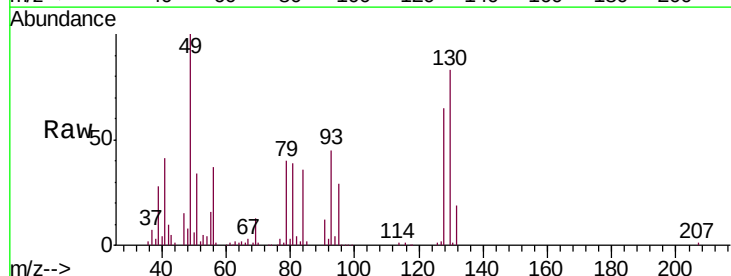
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



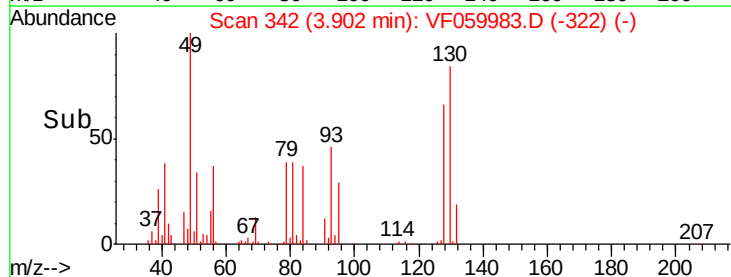
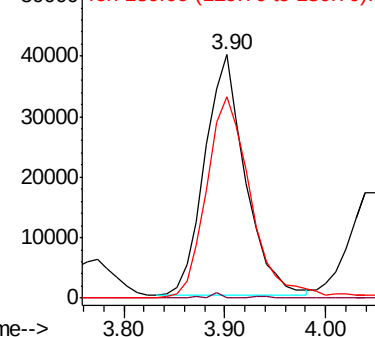
#28

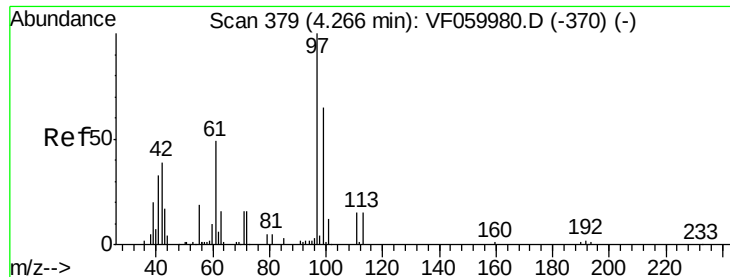
Bromochloromethane
 Concen: 123.210 ug/l
 RT: 3.90 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	7.6
130	84.3	71.3	106.9



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

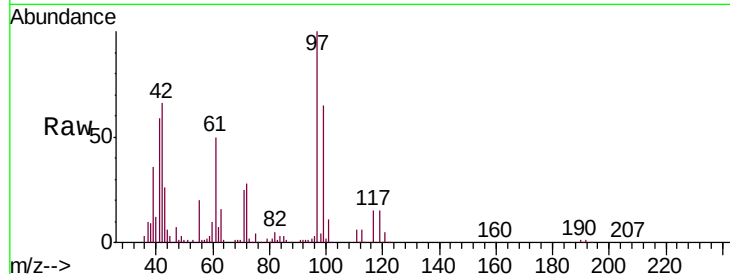




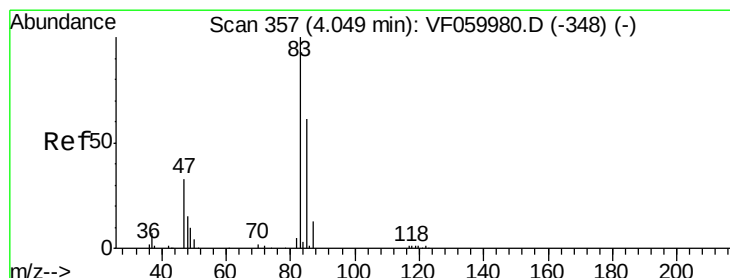
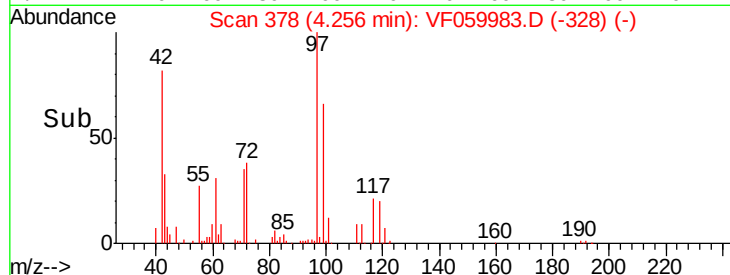
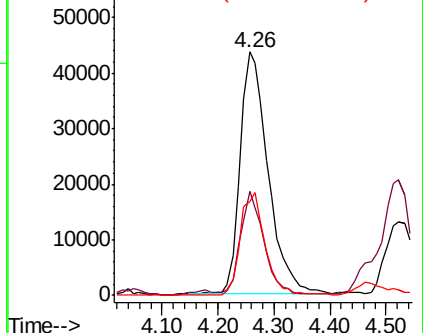
#29
Tetrahydrofuran
Concen: 615.979 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion: 42 Resp: 151247
Ion Ratio Lower Upper
42 100
72 36.6 29.8 44.6
71 37.5 29.0 43.4

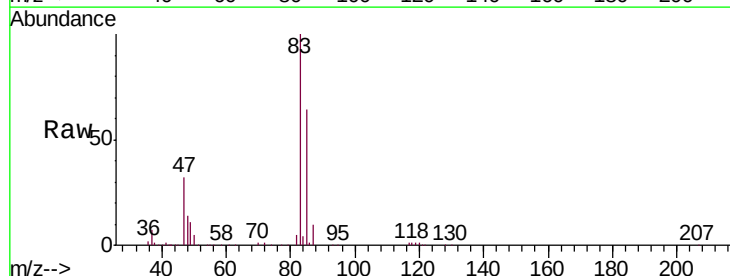


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

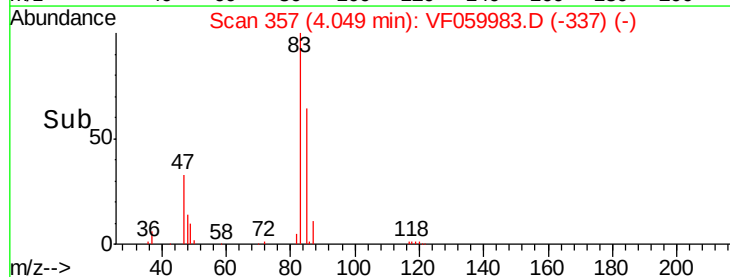
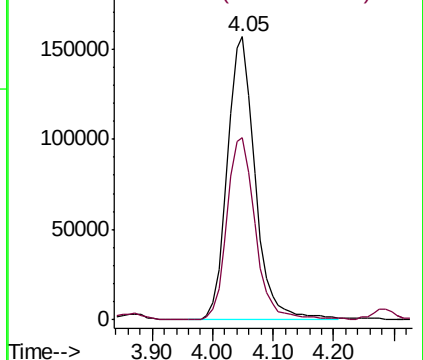


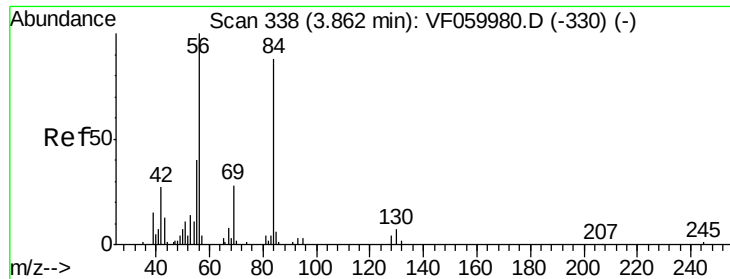
#30
Chloroform
Concen: 138.070 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion: 83 Resp: 500854
Ion Ratio Lower Upper
83 100
85 64.5 48.8 73.2



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

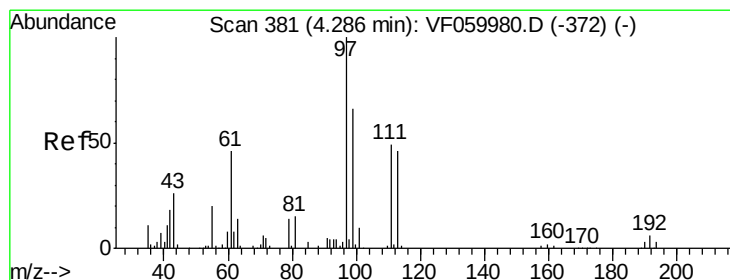
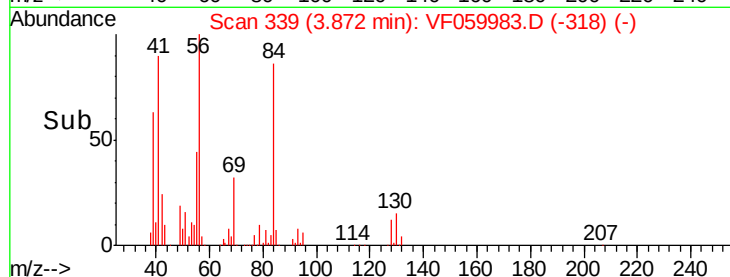
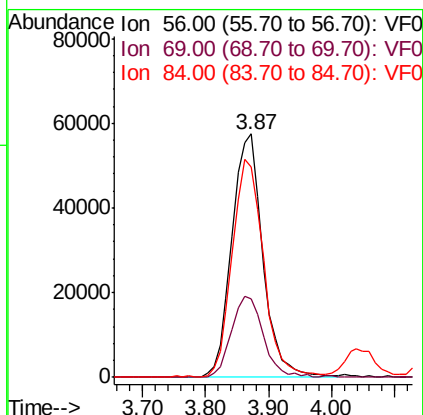
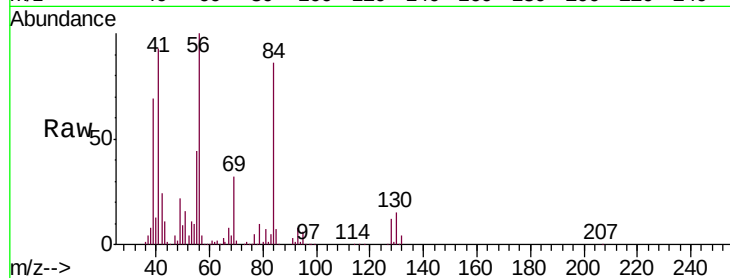




#31
Cyclohexane
Concen: 137.081 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.01 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

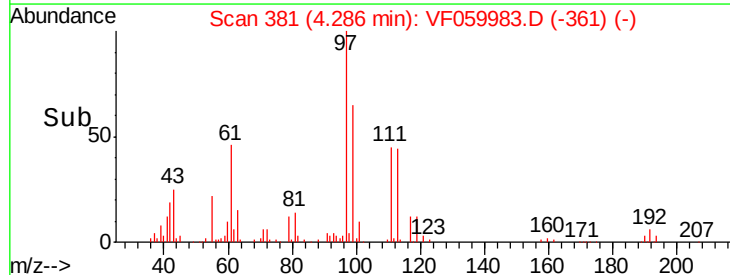
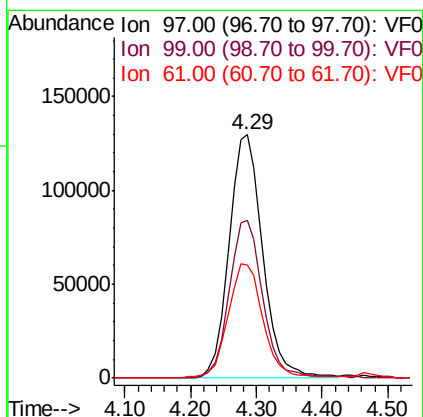
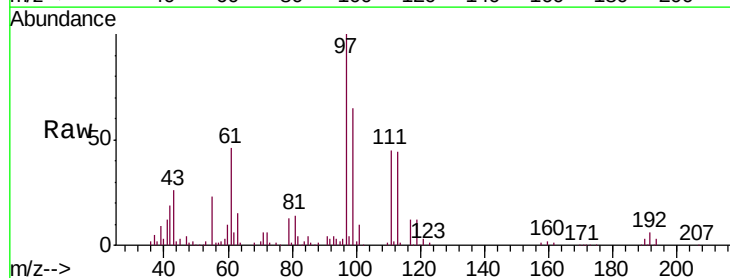
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

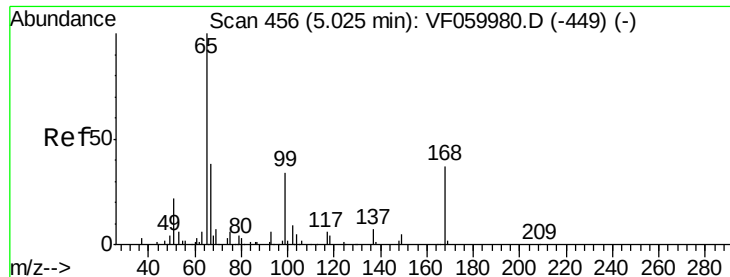
Tgt Ion: 56 Resp: 196035
Ion Ratio Lower Upper
56 100
69 32.2 22.8 34.2
84 86.3 70.7 106.1



#32
1,1,1-Trichloroethane
Concen: 131.893 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion: 97 Resp: 466093
Ion Ratio Lower Upper
97 100
99 64.9 53.1 79.7
61 46.4 38.2 57.2

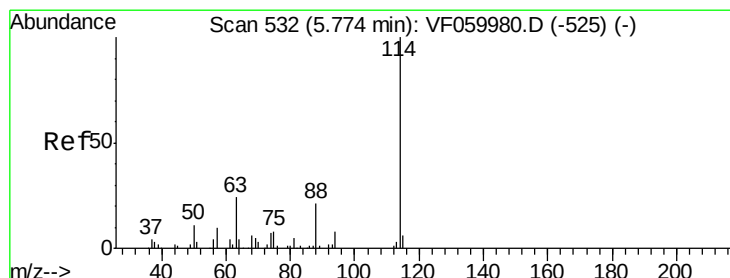
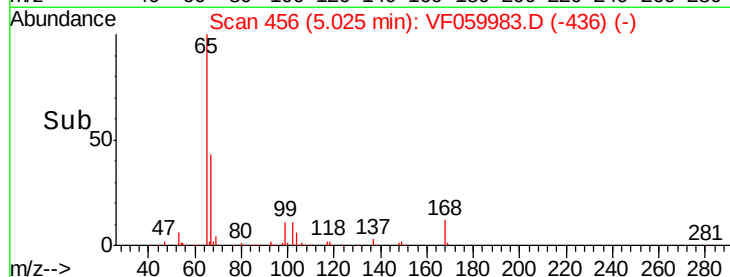
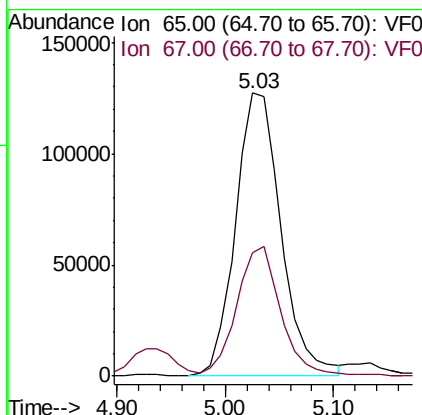
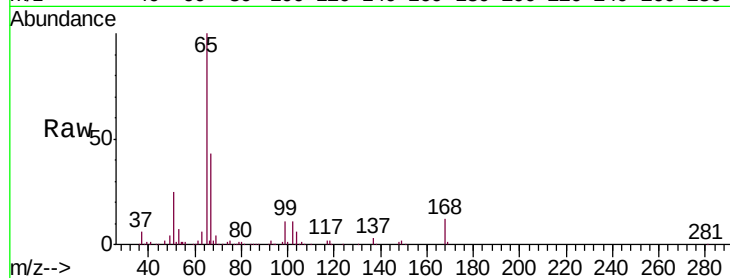




#33
 1,2-Dichloroethane-d4
 Concen: 135.966 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

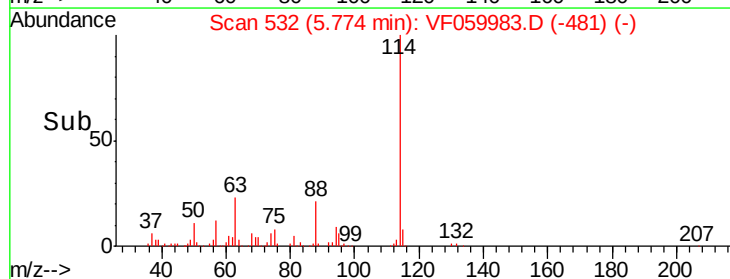
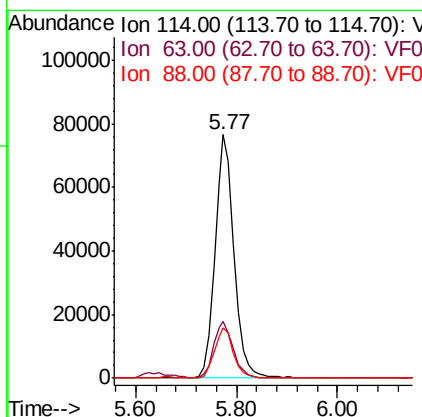
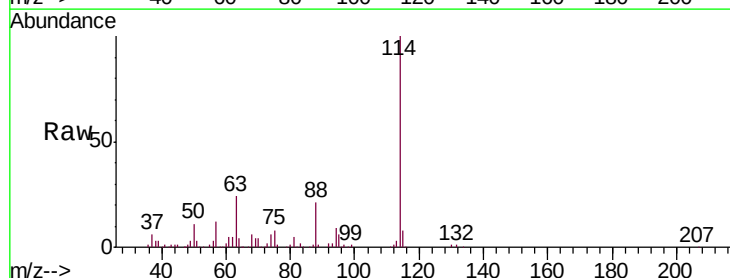
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

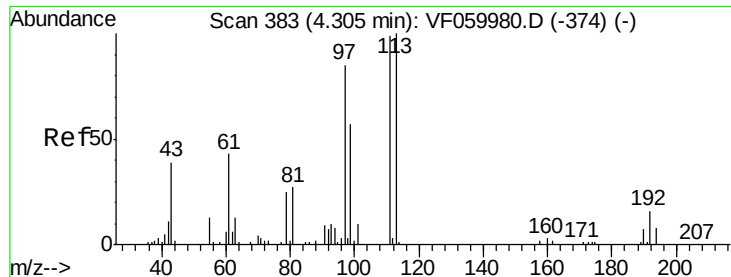
Tgt Ion: 65 Resp: 371460
 Ion Ratio Lower Upper
 65 100
 67 43.4 0.0 82.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Tgt Ion: 114 Resp: 202710
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 48.6
 88 20.9 0.0 42.8





#35

Dibromofluoromethane

Concen: 135.290 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

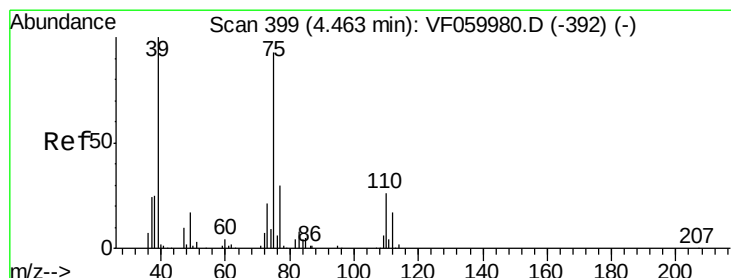
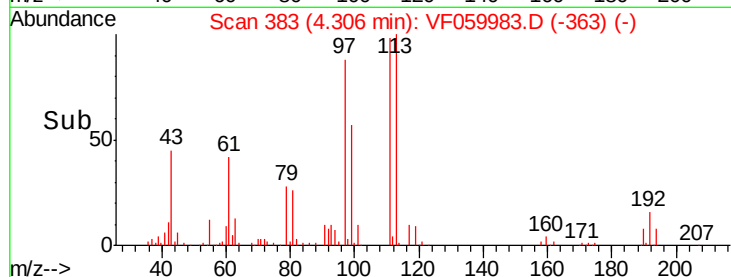
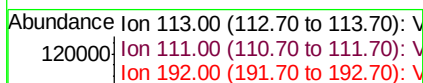
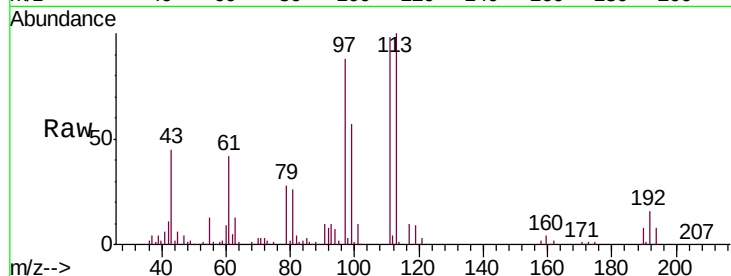
Tgt Ion:113 Resp: 279082

Ion Ratio Lower Upper

113 100

111 97.8 79.5 119.3

192 16.2 12.4 18.6



#36

1,1-Dichloropropene

Concen: 131.587 ug/l

RT: 4.46 min Scan# 399

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

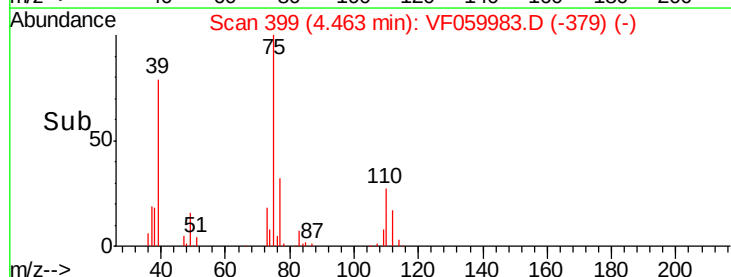
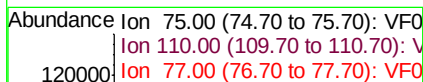
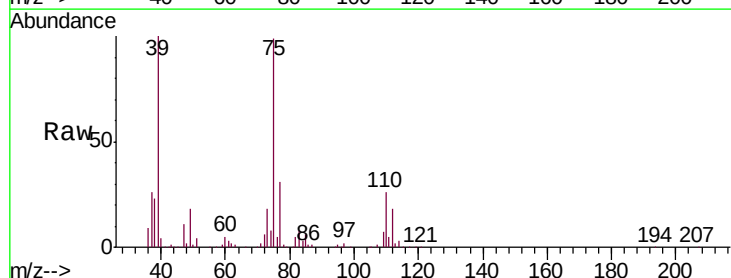
Tgt Ion: 75 Resp: 300995

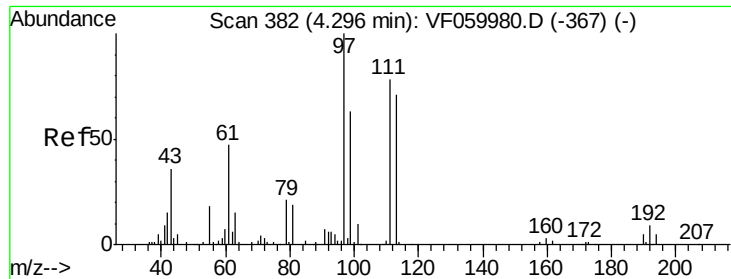
Ion Ratio Lower Upper

75 100

110 26.5 13.8 41.4

77 31.4 25.8 38.8

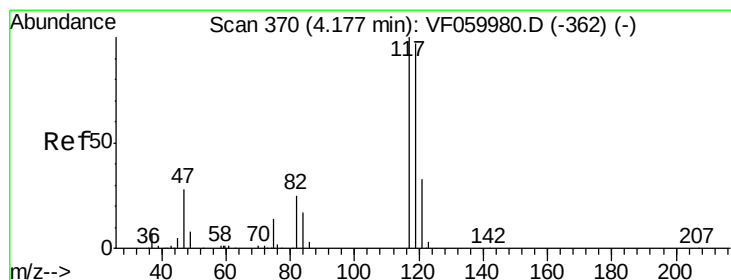
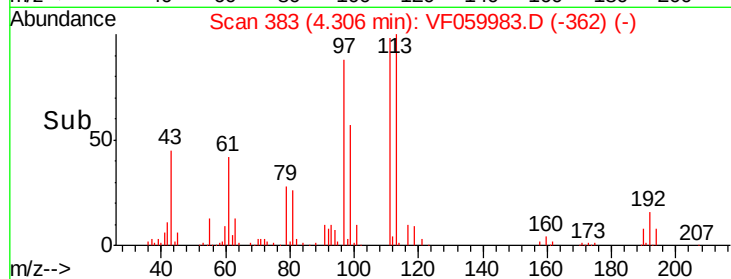
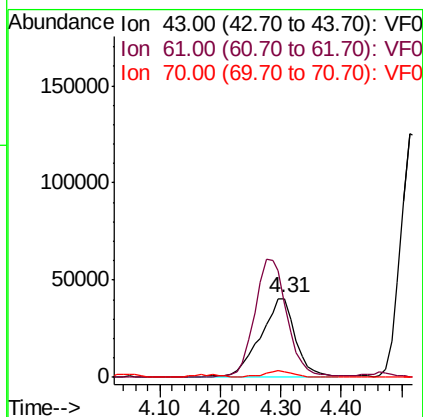
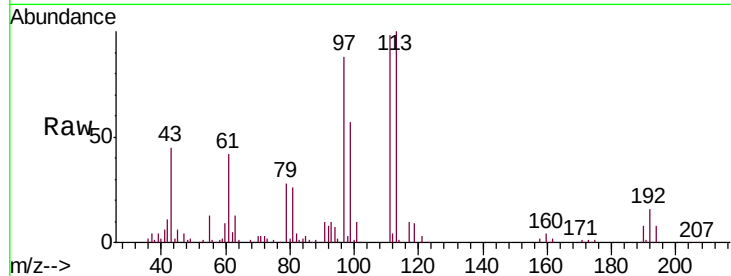




#37
Ethyl Acetate
Concen: 120.054 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

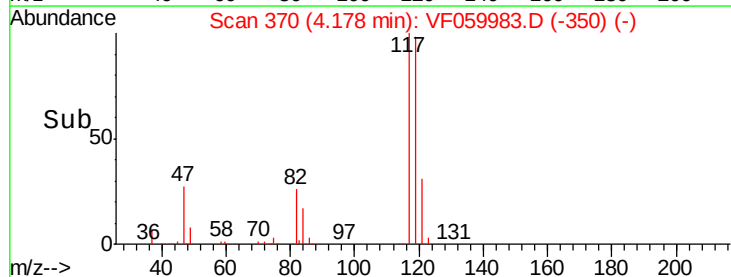
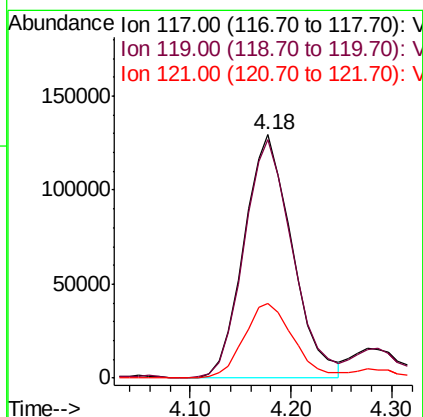
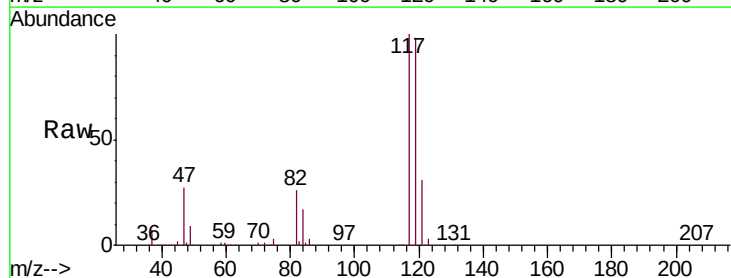
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

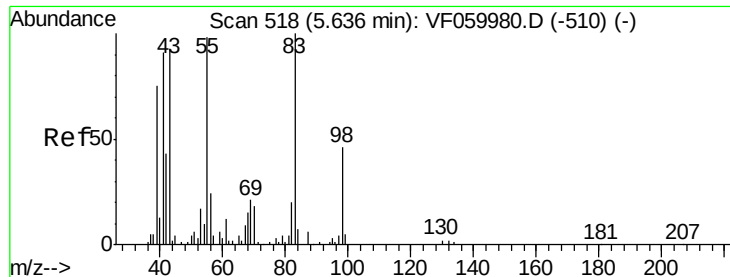
Tgt Ion: 43 Resp: 161939
Ion Ratio Lower Upper
43 100
61 93.1 104.5 156.7#
70 6.9 5.9 8.9



#38
Carbon Tetrachloride
Concen: 129.945 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion: 117 Resp: 427068
Ion Ratio Lower Upper
117 100
119 98.2 77.8 116.6
121 30.6 26.0 39.0

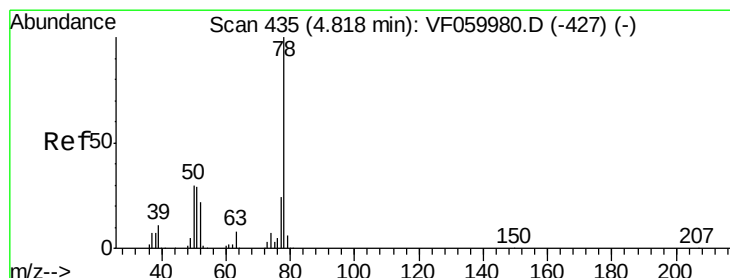
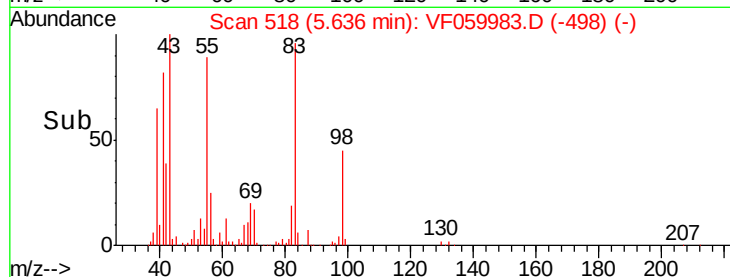
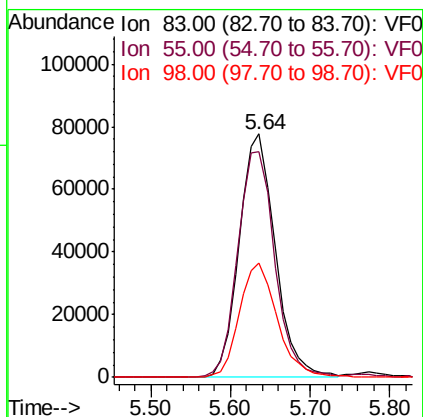
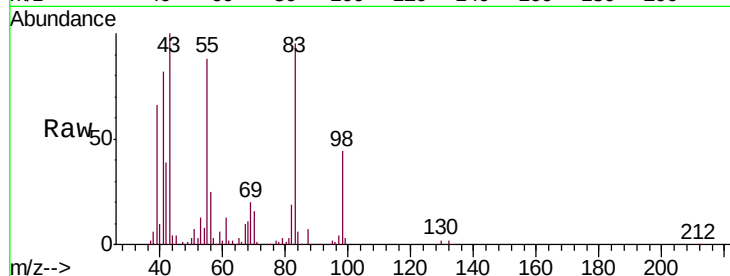




#39
Methylcyclohexane
Concen: 140.192 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

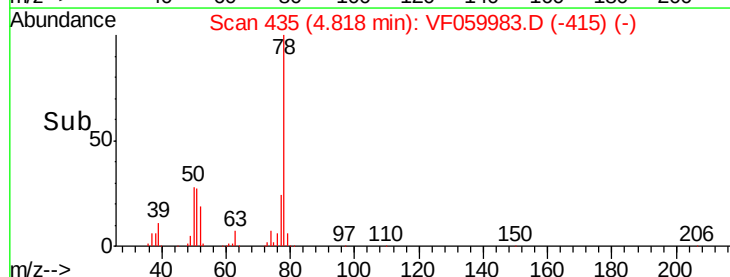
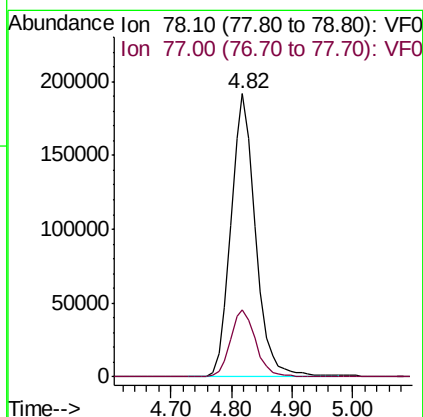
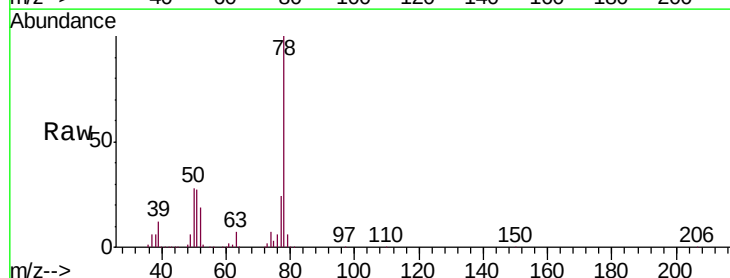
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

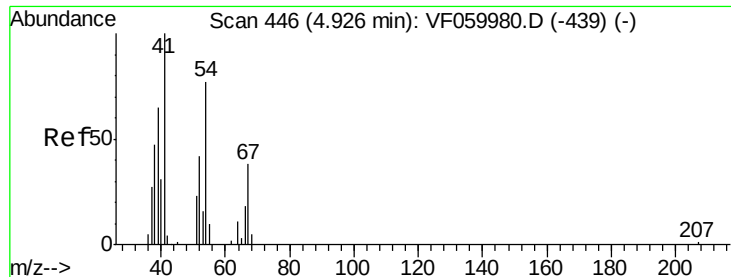
Tgt Ion: 83 Resp: 242883
Ion Ratio Lower Upper
83 100
55 92.7 78.8 118.2
98 46.7 36.8 55.2



#40
Benzene
Concen: 138.924 ug/l
RT: 4.82 min Scan# 435
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion: 78 Resp: 540673
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7





#41

Methacrylonitrile

Concen: 125.496 ug/l

RT: 4.93 min Scan# 446

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 80211

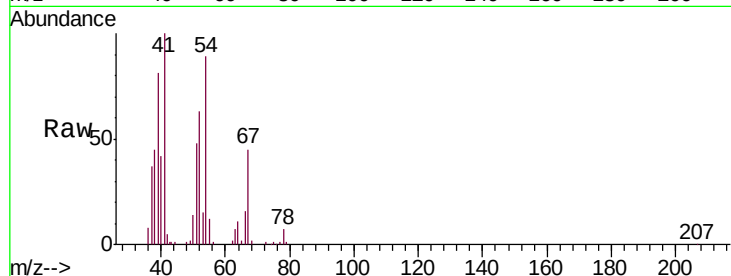
Ion Ratio Lower Upper

41 100

39 81.2 62.9 94.3

67 44.7 30.4 45.6

52 63.3 47.8 71.8

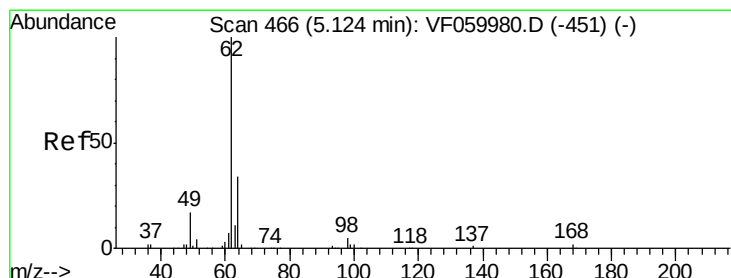
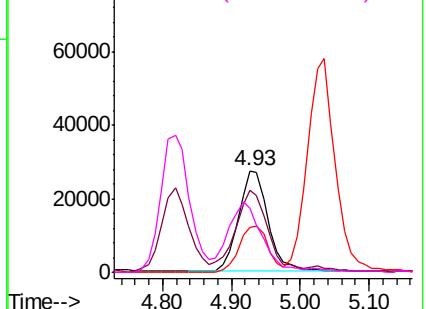
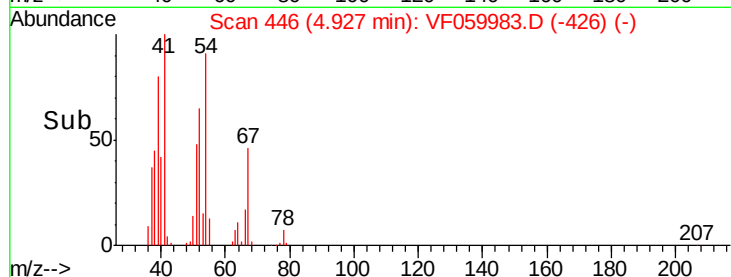


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 126.026 ug/l

RT: 5.12 min Scan# 466

Delta R.T. 0.00 min

Lab File: VF059983.D

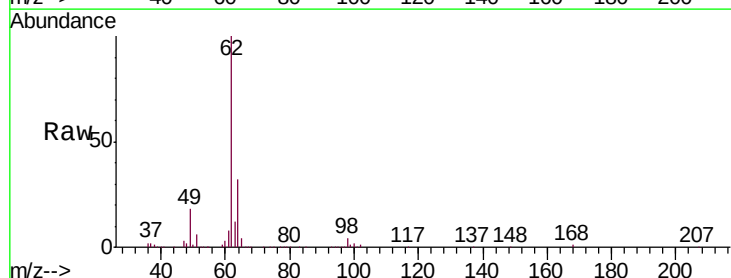
Acq: 17 Aug 2018 19:55

Tgt Ion: 62 Resp: 424811

Ion Ratio Lower Upper

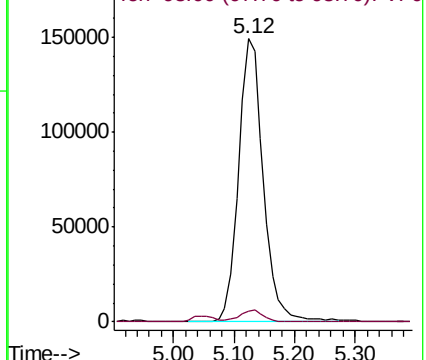
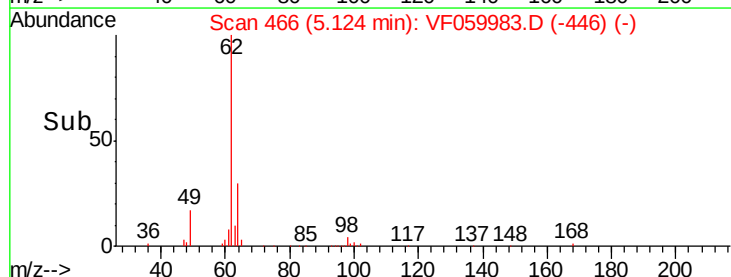
62 100

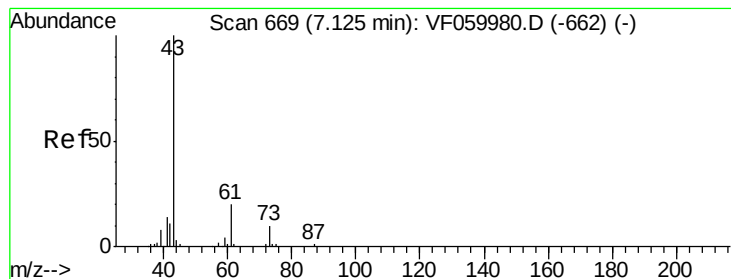
98 3.8 0.0 9.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 140.293 ug/l

RT: 7.11 min Scan# 668

Delta R.T. -0.01 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

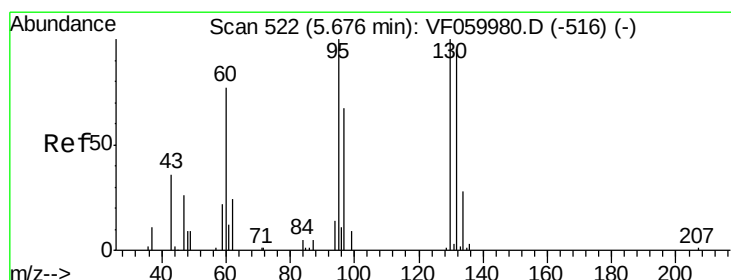
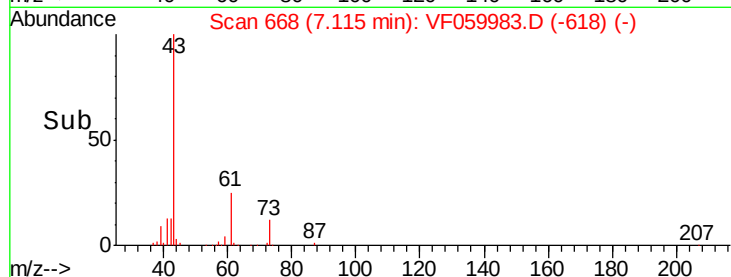
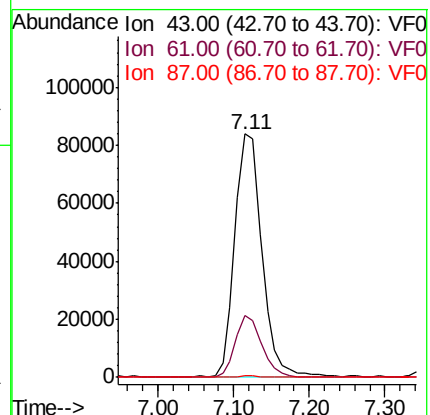
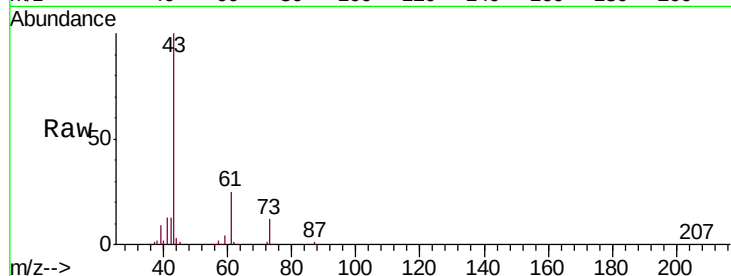
Tgt Ion: 43 Resp: 206255

Ion Ratio Lower Upper

43 100

61 25.3 15.8 23.8#

87 0.6 0.6 0.8



#44

Trichloroethene

Concen: 131.555 ug/l

RT: 5.69 min Scan# 523

Delta R.T. 0.01 min

Lab File: VF059983.D

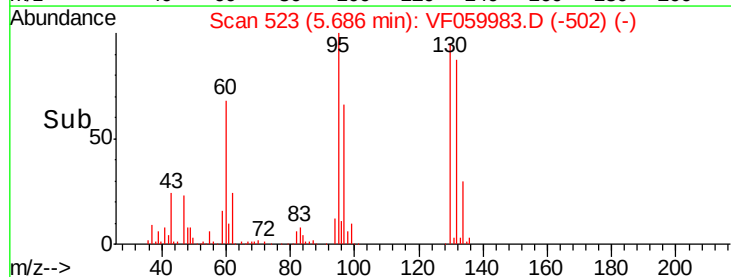
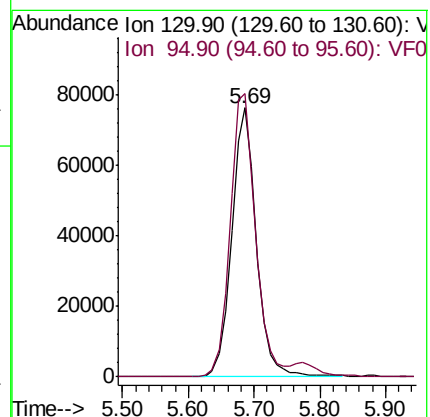
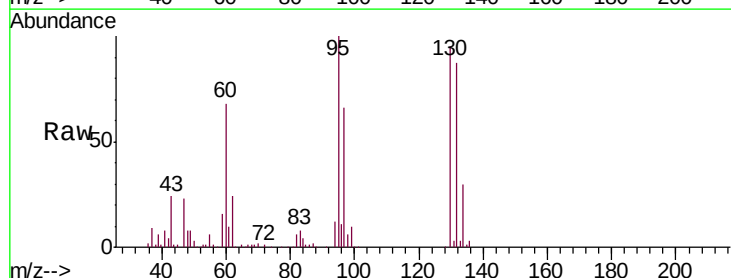
Acq: 17 Aug 2018 19:55

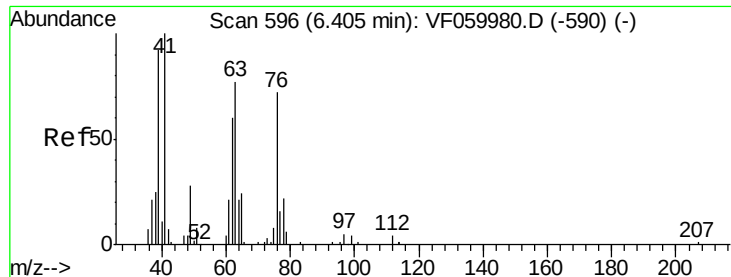
Tgt Ion: 130 Resp: 199899

Ion Ratio Lower Upper

130 100

95 105.2 0.0 201.8





#45

1,2-Dichloropropane

Concen: 136.432 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

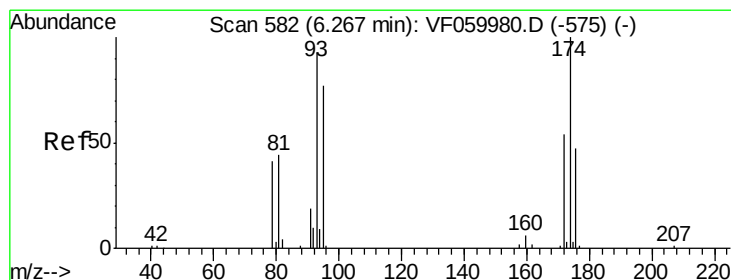
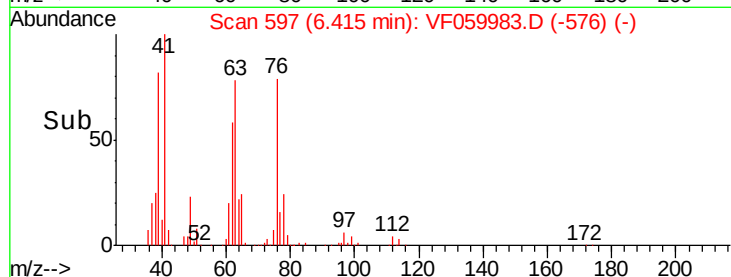
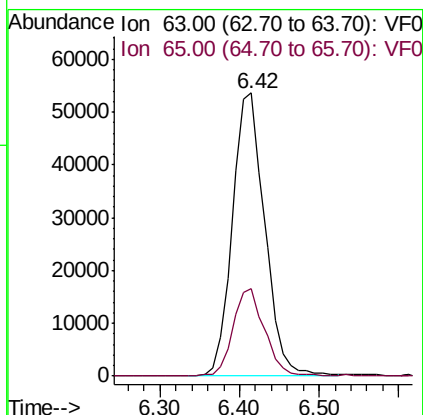
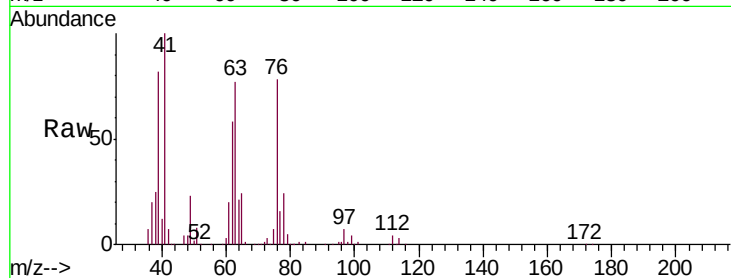
VSTDIC150

Tgt Ion: 63 Resp: 151446

Ion Ratio Lower Upper

63 100

65 31.1 25.0 37.6



#46

Dibromomethane

Concen: 132.358 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

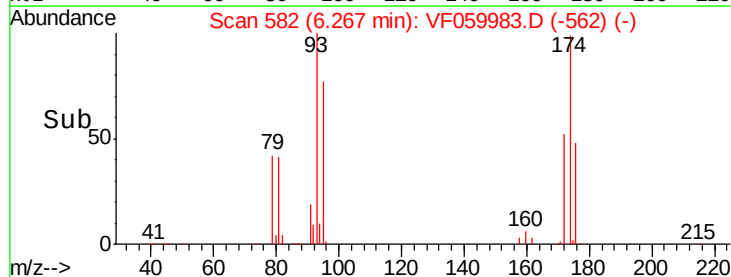
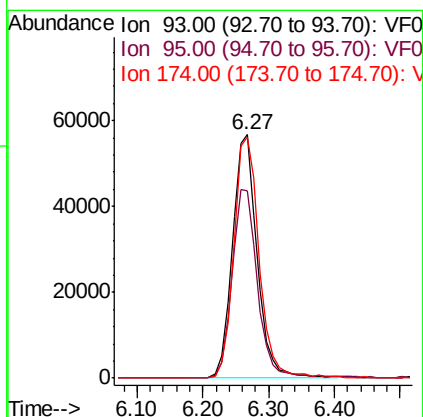
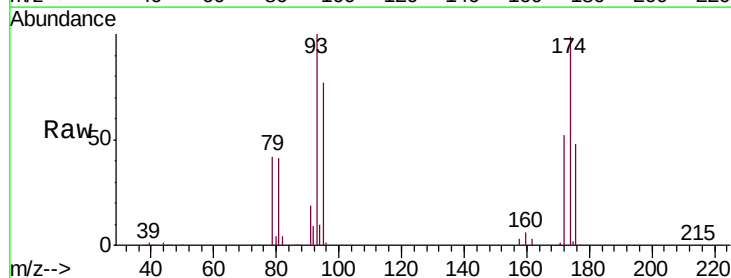
Tgt Ion: 93 Resp: 149016

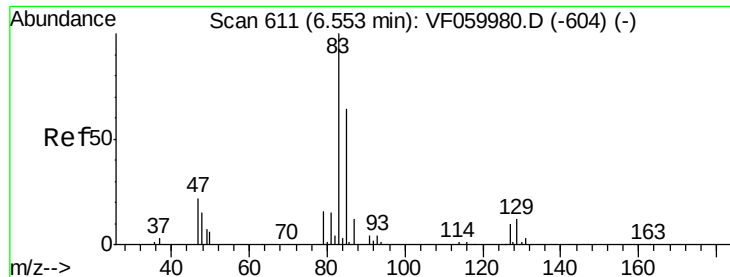
Ion Ratio Lower Upper

93 100

95 77.1 67.0 100.4

174 99.1 85.7 128.5





#47

Bromodichloromethane

Concen: 139.793 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

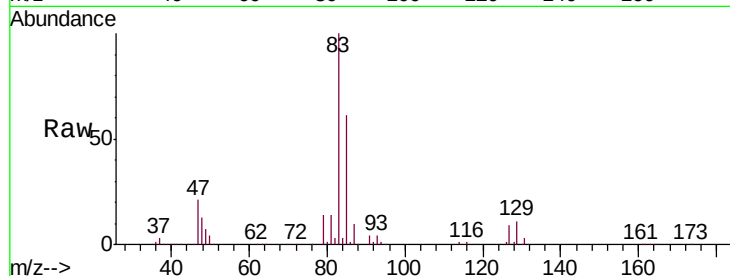
Tgt Ion: 83 Resp: 415639

Ion Ratio Lower Upper

83 100

85 61.2 51.4 77.0

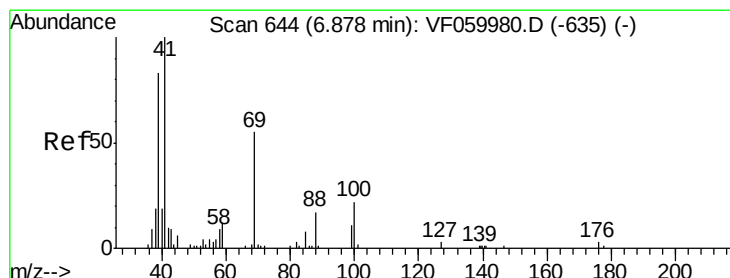
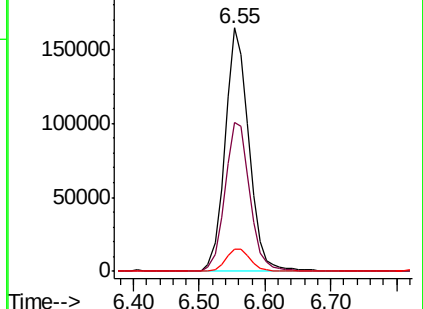
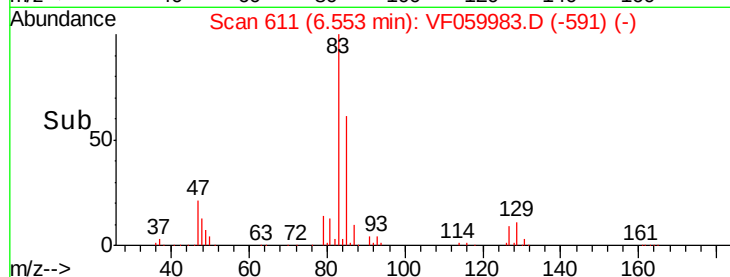
127 8.8 8.2 12.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 143.082 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

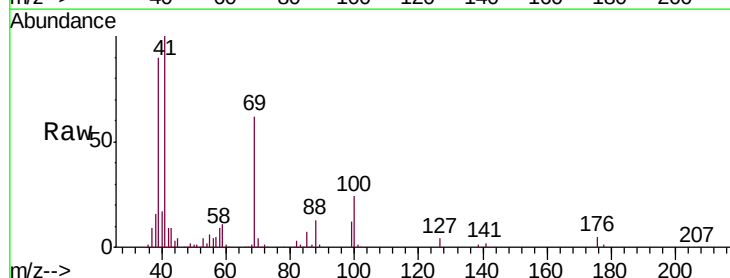
Tgt Ion: 41 Resp: 156801

Ion Ratio Lower Upper

41 100

69 61.6 44.4 66.6

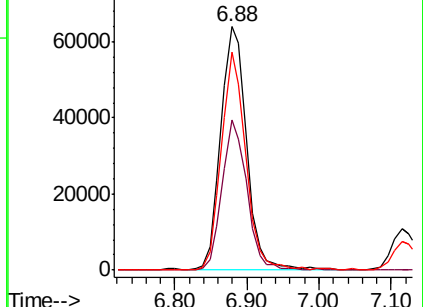
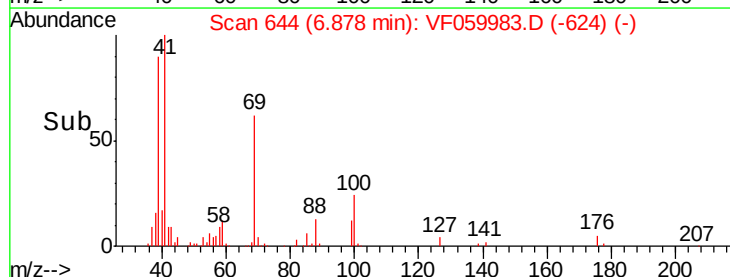
39 89.8 67.8 101.6

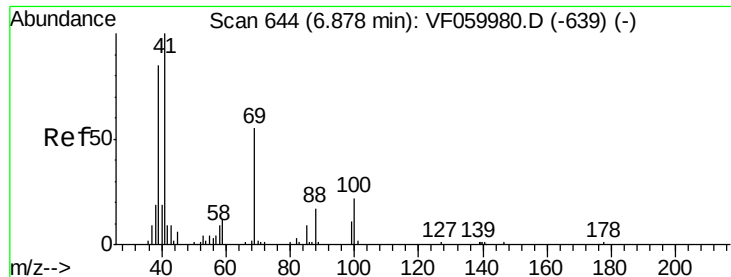


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

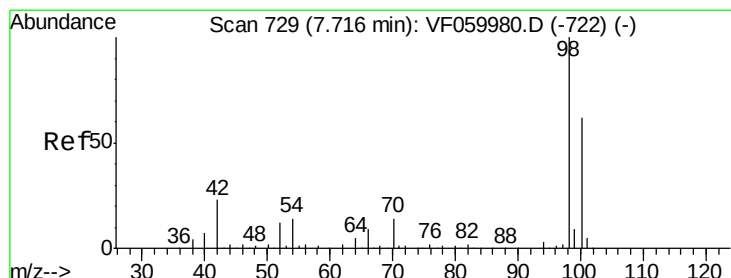
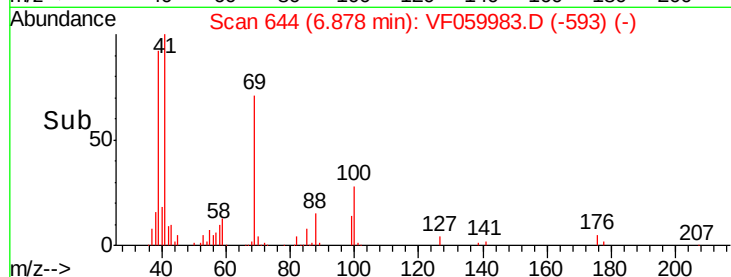
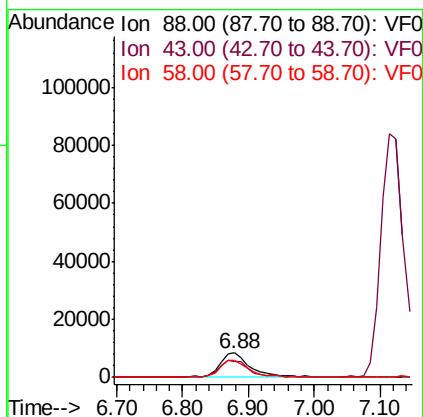
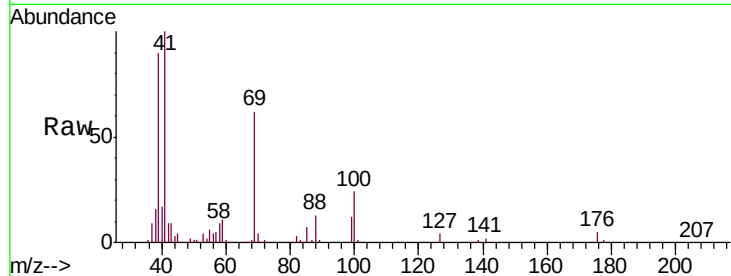




#49
 1,4-Dioxane
 Concen: 3086.268 ug/l
 RT: 6.88 min Scan# 644
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

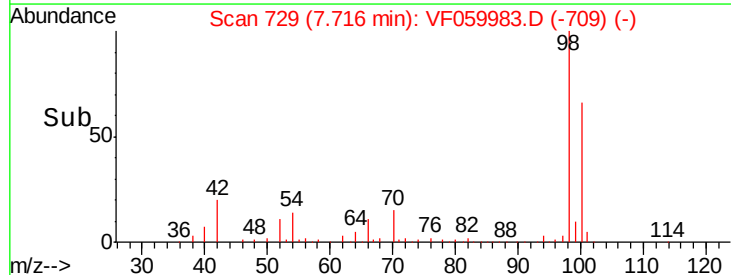
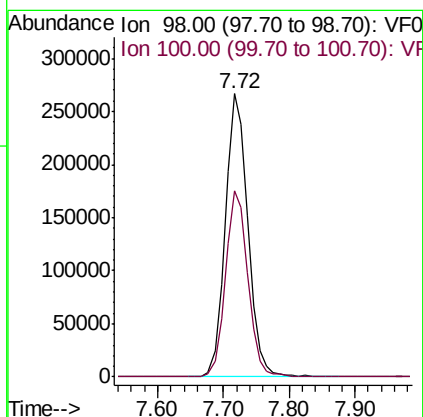
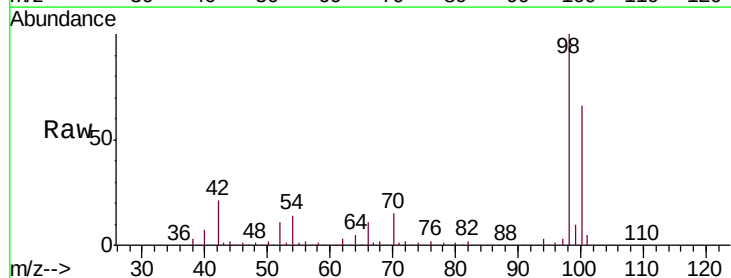
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

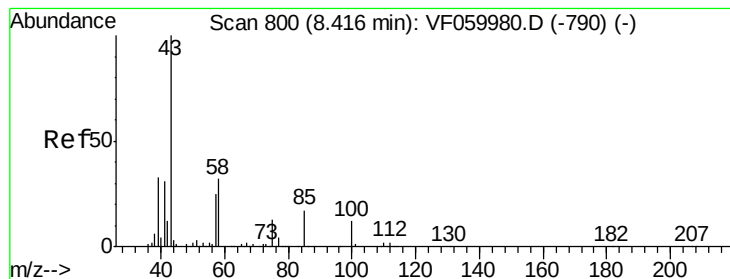
Tgt Ion: 88 Resp: 27075
 Ion Ratio Lower Upper
 88 100
 43 66.7 43.2 64.8#
 58 69.3 42.0 63.0#



#50
 Toluene-d8
 Concen: 140.289 ug/l
 RT: 7.72 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Tgt Ion: 98 Resp: 641623
 Ion Ratio Lower Upper
 98 100
 100 65.8 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 610.830 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

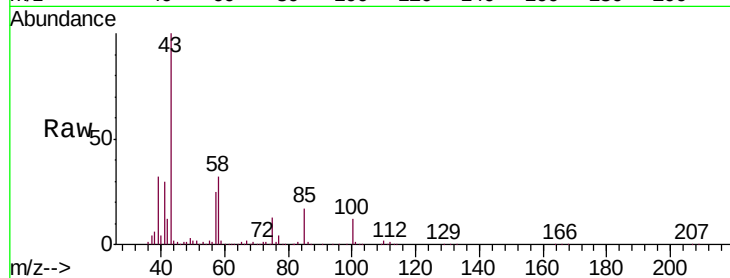
VSTDIC150

Tgt Ion: 43 Resp: 838608

Ion Ratio Lower Upper

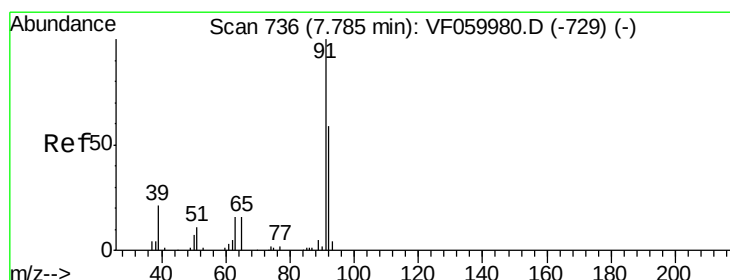
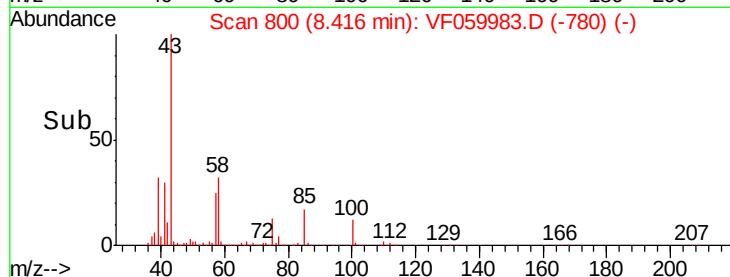
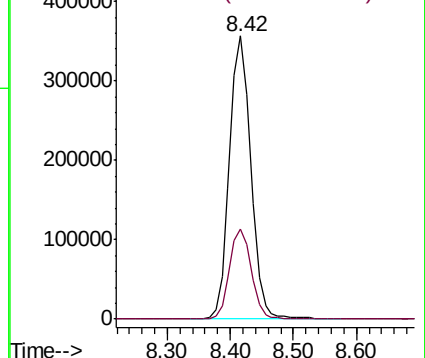
43 100

58 31.7 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 131.218 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059983.D

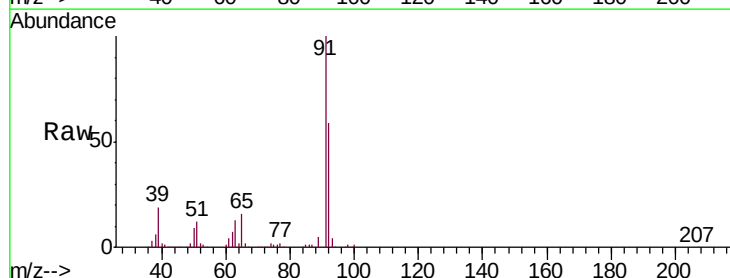
Acq: 17 Aug 2018 19:55

Tgt Ion: 92 Resp: 384629

Ion Ratio Lower Upper

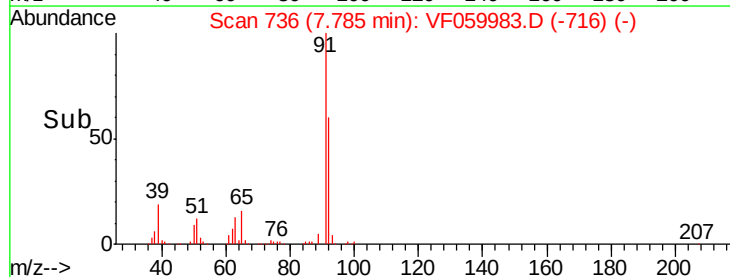
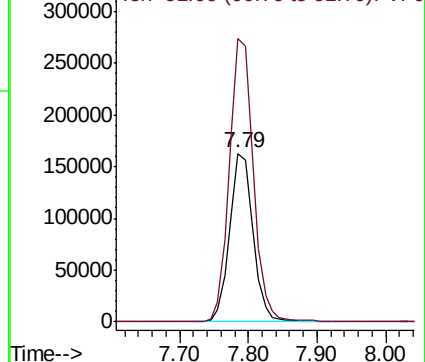
92 100

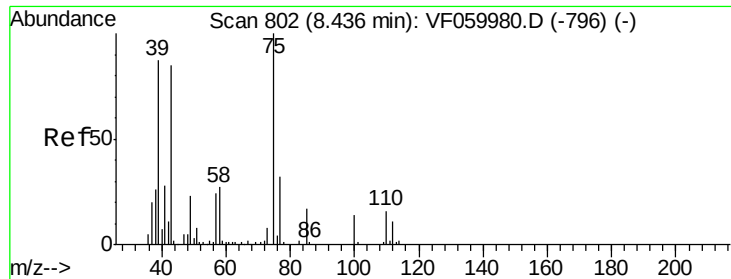
91 168.1 136.5 204.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 137.123 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

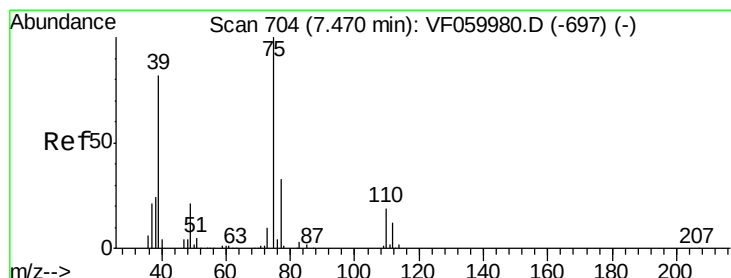
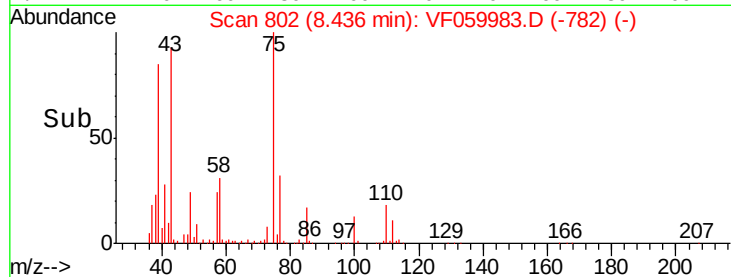
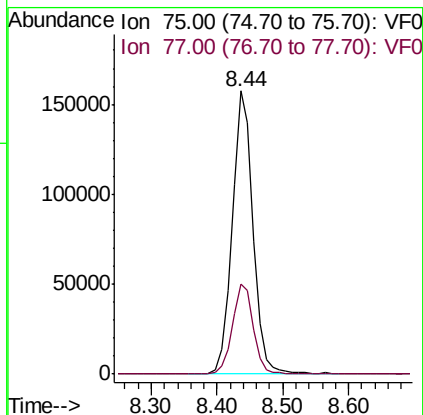
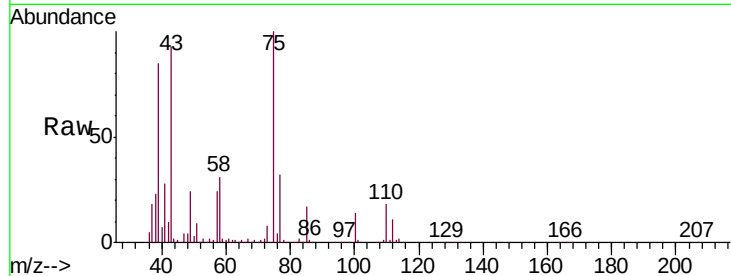
VSTDIC150

Tgt Ion: 75 Resp: 346173

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 143.719 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

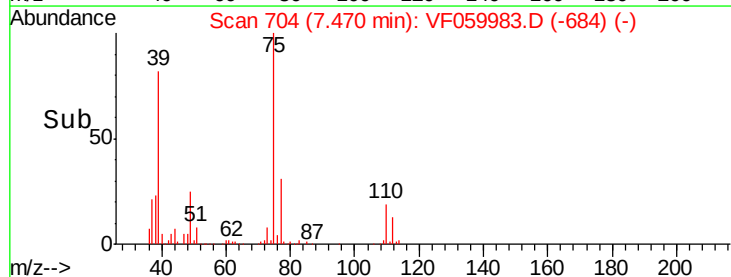
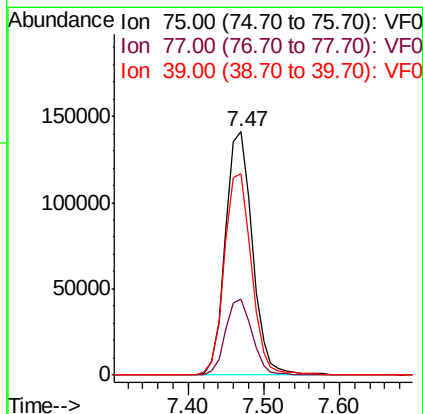
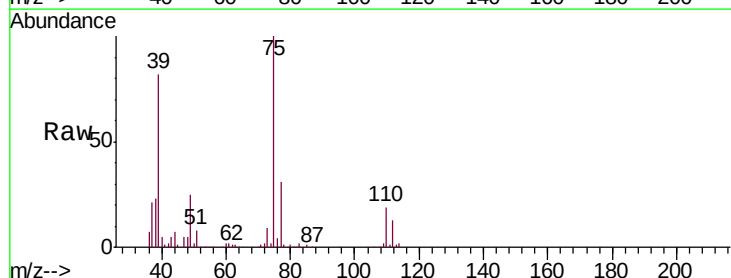
Tgt Ion: 75 Resp: 349741

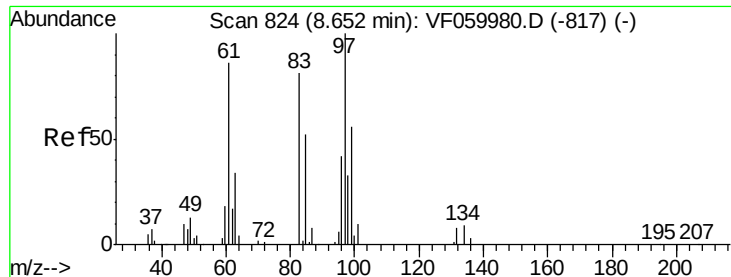
Ion Ratio Lower Upper

75 100

77 31.2 26.0 39.0

39 82.5 65.3 97.9





#55

1,1,2-Trichloroethane

Concen: 134.754 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 161945

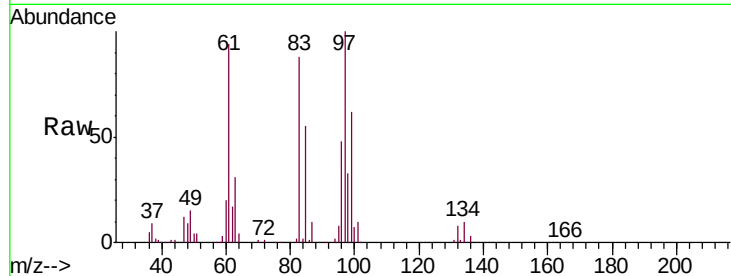
Ion Ratio Lower Upper

97 100

83 88.2 64.9 97.3

85 54.9 41.8 62.6

99 61.7 45.2 67.8

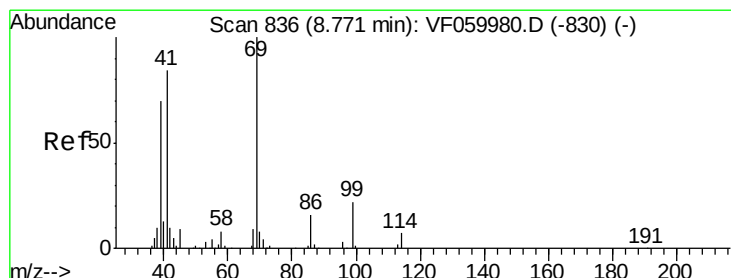
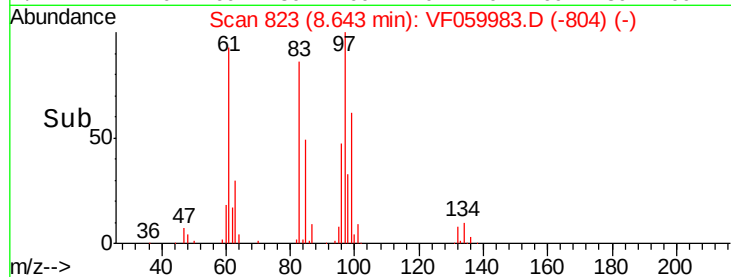
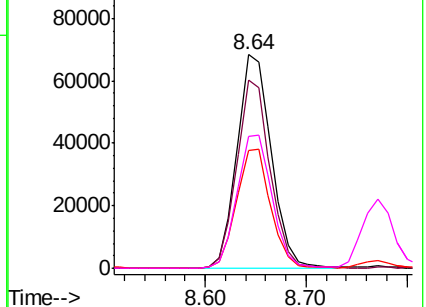


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 142.380 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

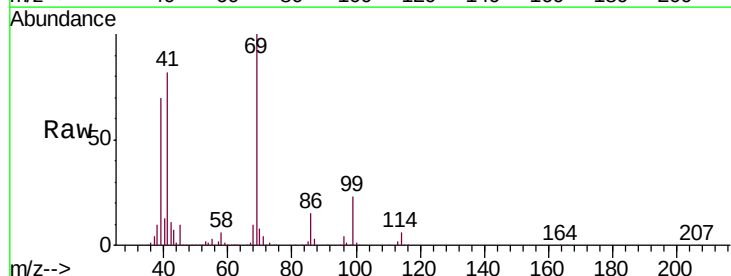
Tgt Ion: 69 Resp: 199374

Ion Ratio Lower Upper

69 100

41 81.5 67.8 101.6

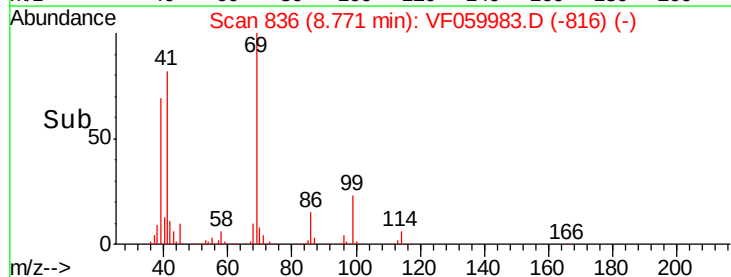
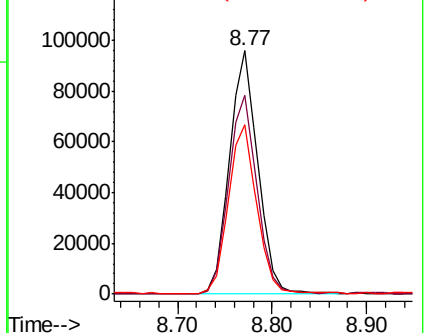
39 69.5 55.8 83.6

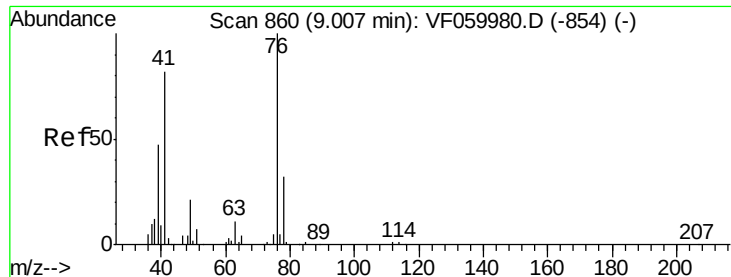


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 133.225 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

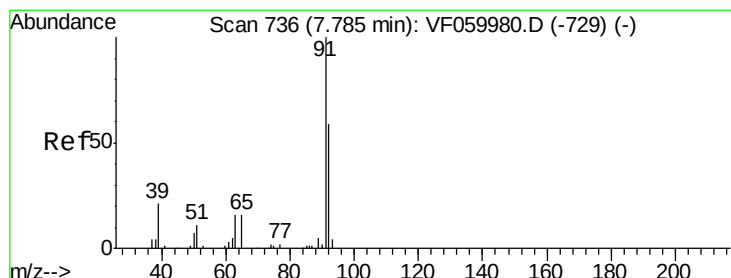
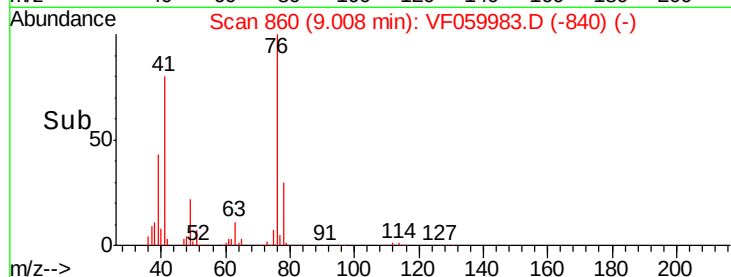
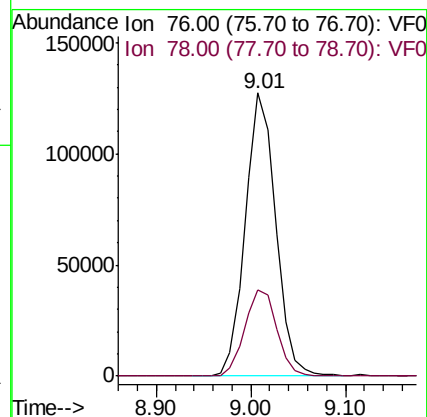
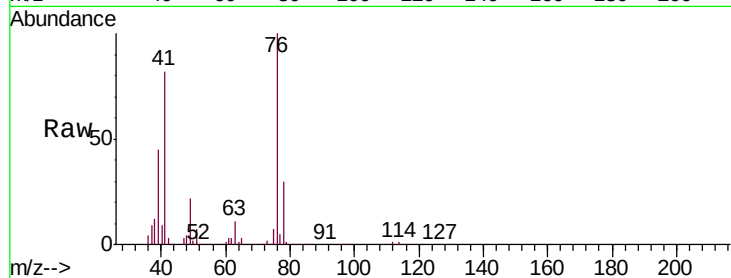
VSTDIC150

Tgt Ion: 76 Resp: 284394

Ion Ratio Lower Upper

76 100

78 30.4 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 777.409 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF059983.D

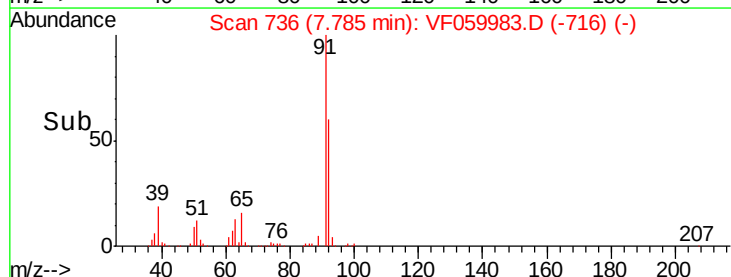
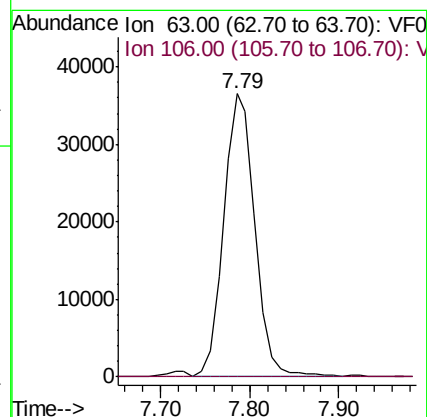
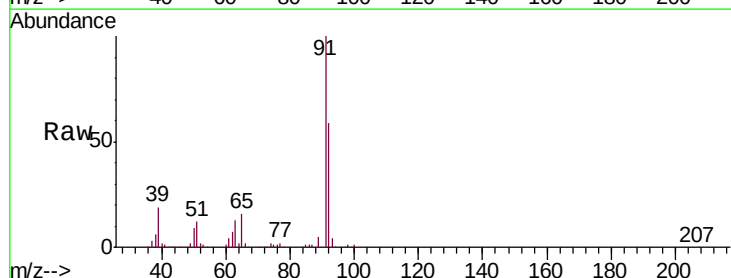
Acq: 17 Aug 2018 19:55

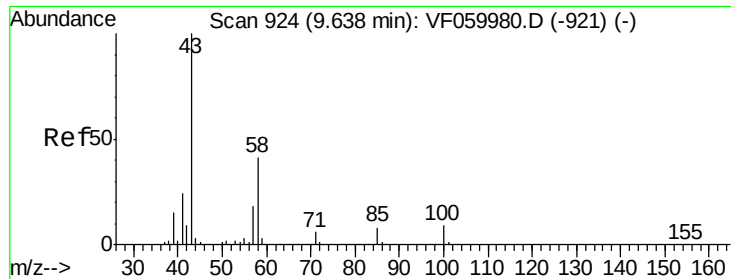
Tgt Ion: 63 Resp: 89488

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

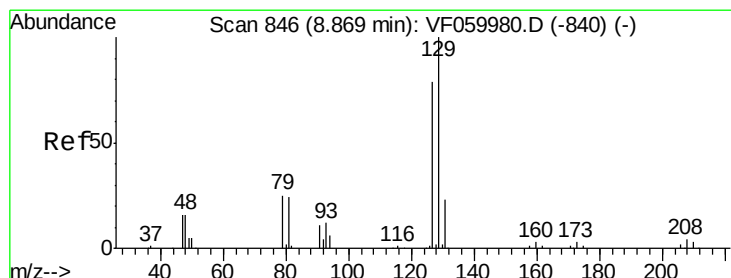
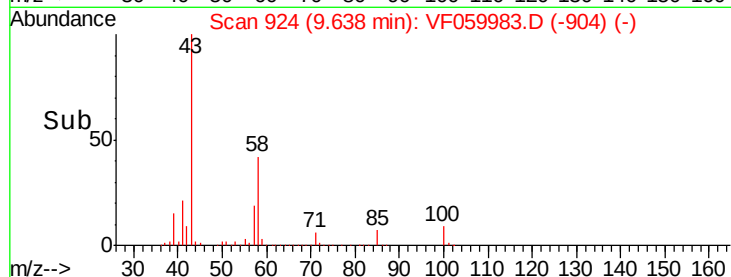
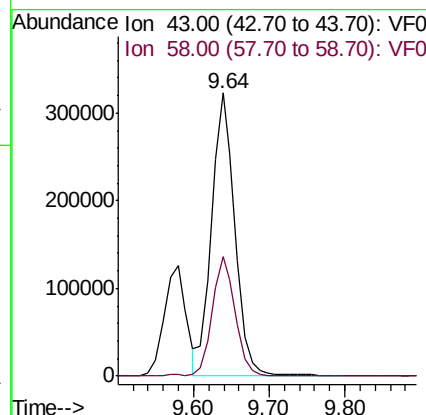
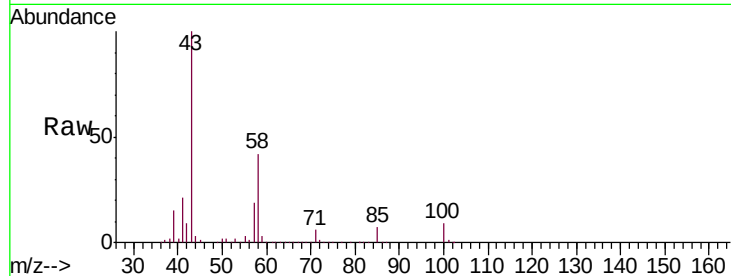




#59
2-Hexanone
Concen: 606.958 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

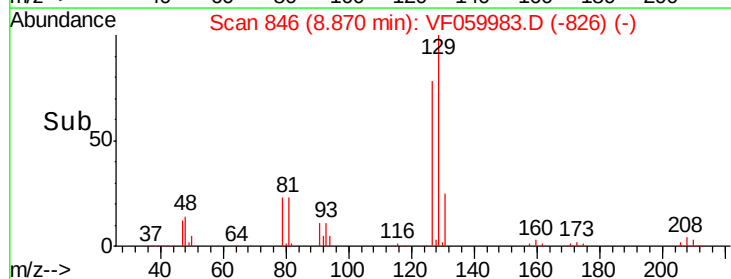
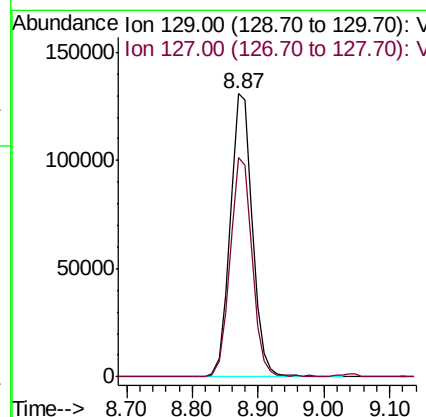
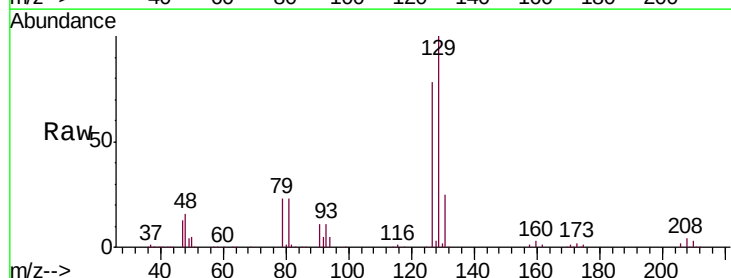
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

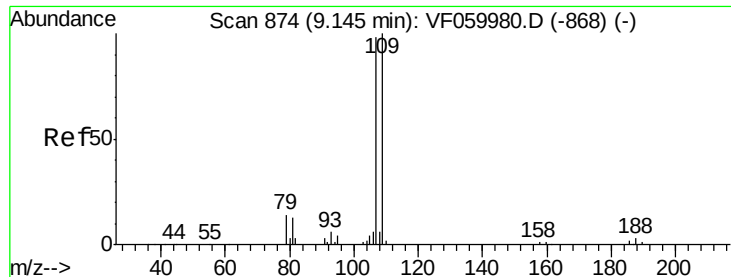
Tgt Ion: 43 Resp: 692360
Ion Ratio Lower Upper
43 100
58 42.4 20.1 60.3



#60
Dibromochloromethane
Concen: 142.652 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion: 129 Resp: 310339
Ion Ratio Lower Upper
129 100
127 77.6 39.5 118.5





#61

1,2-Dibromoethane

Concen: 137.978 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

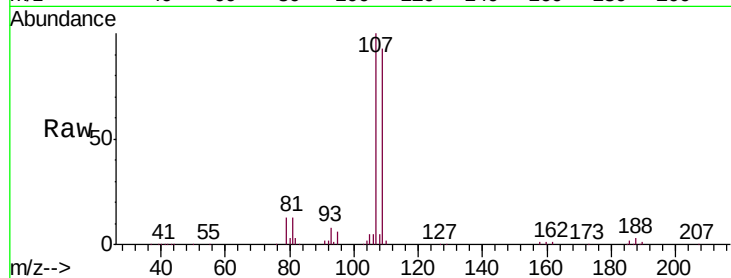
VSTDIC150

Tgt Ion: 107 Resp: 209191

Ion Ratio Lower Upper

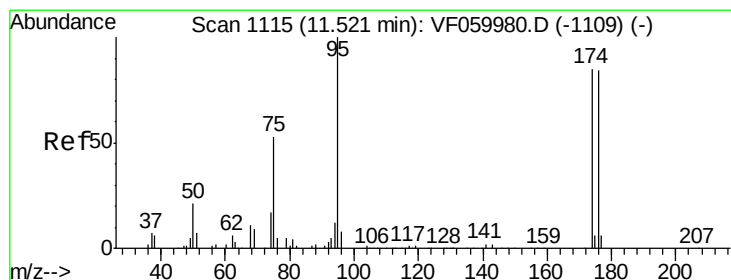
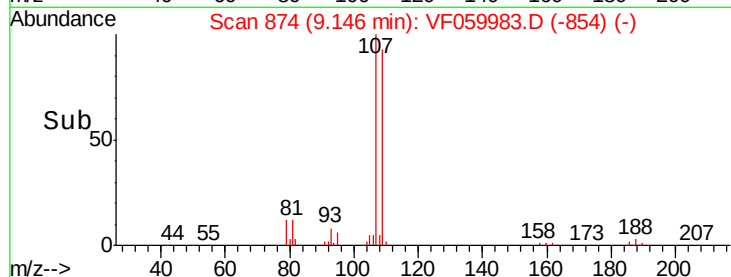
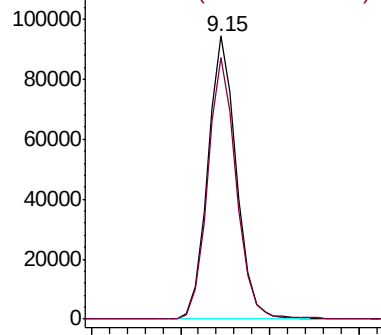
107 100

109 92.6 81.7 122.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 131.638 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

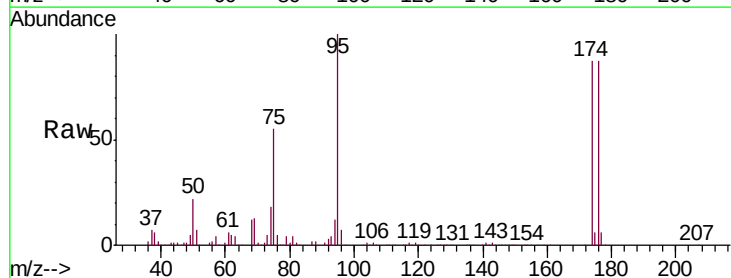
Tgt Ion: 95 Resp: 369361

Ion Ratio Lower Upper

95 100

174 86.6 0.0 169.8

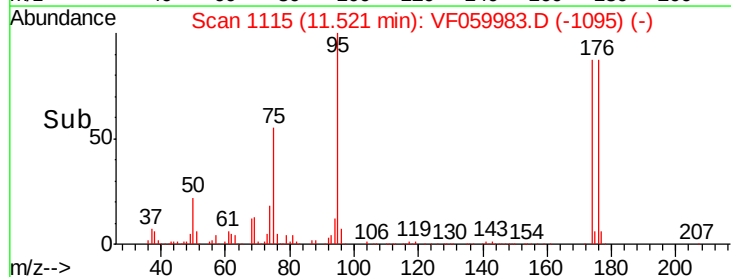
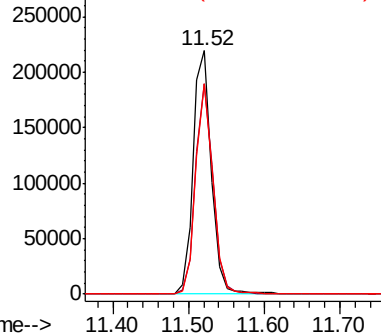
176 86.6 0.0 167.8

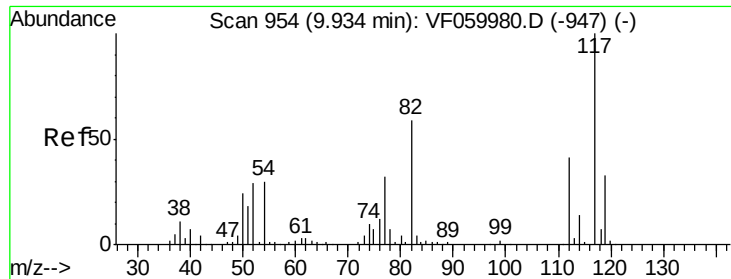


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

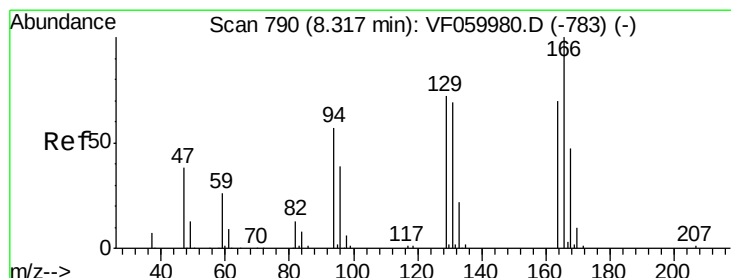
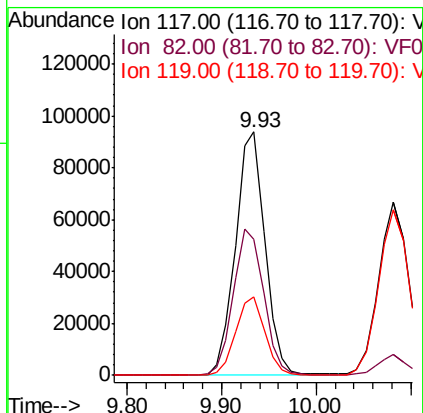
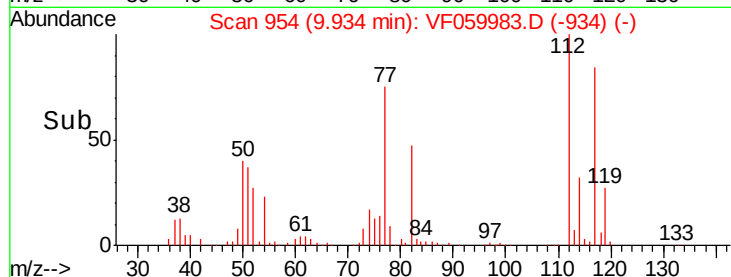
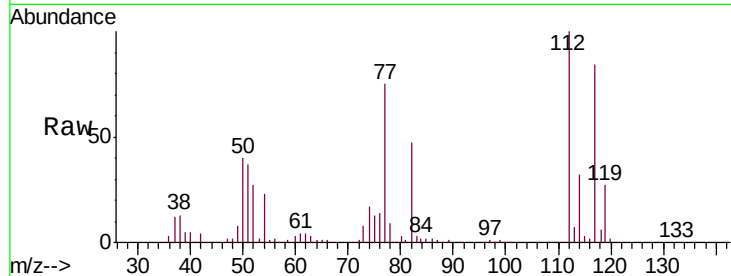




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

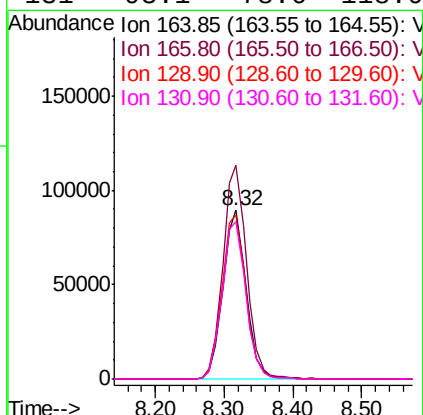
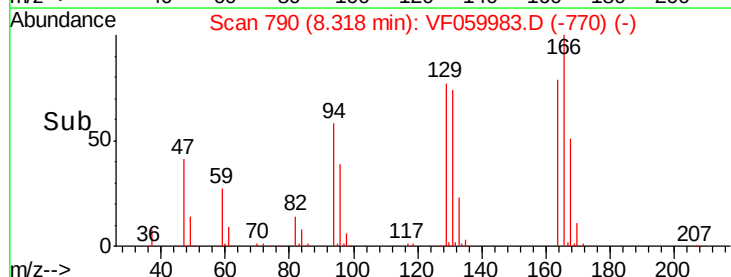
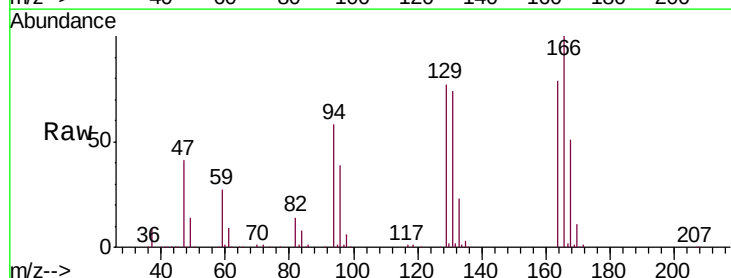
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

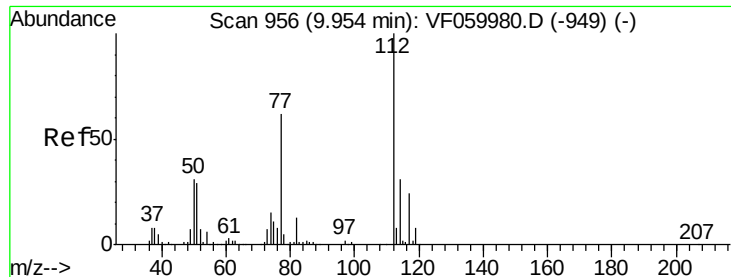
Tgt Ion:117 Resp: 204254
Ion Ratio Lower Upper
117 100
82 55.9 47.2 70.8
119 32.3 26.1 39.1



#64
Tetrachloroethene
Concen: 135.246 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion:164 Resp: 207346
Ion Ratio Lower Upper
164 100
166 126.4 114.5 171.7
129 97.1 82.3 123.5
131 93.1 78.6 118.0

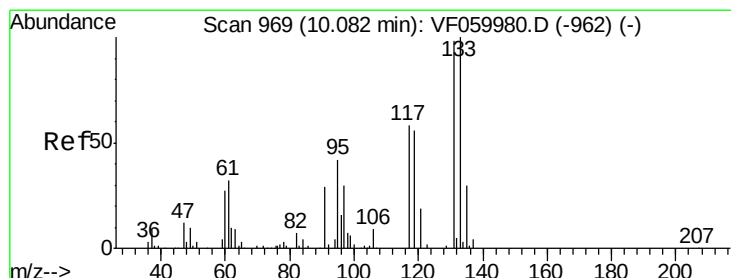
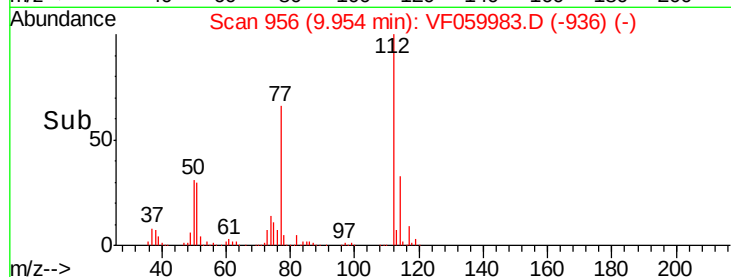
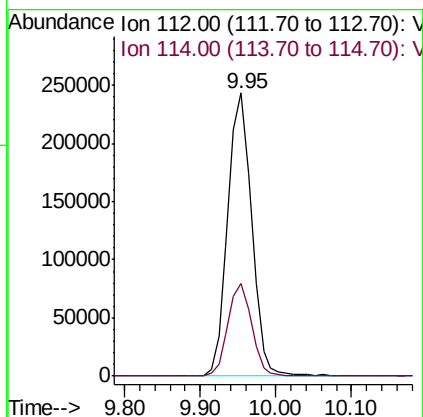
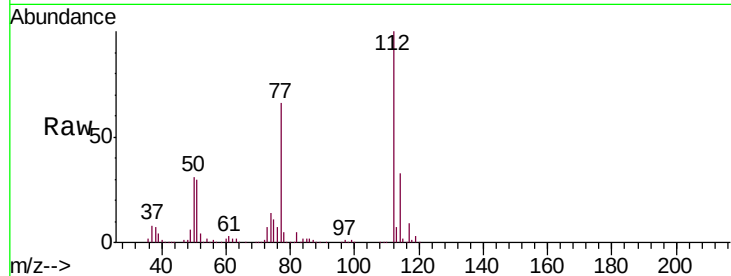




#65
Chlorobenzene
Concen: 133.752 ug/l
RT: 9.95 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

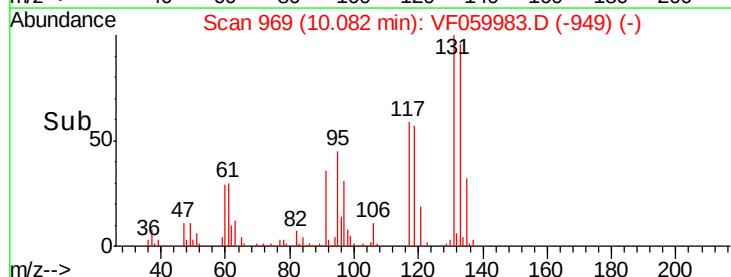
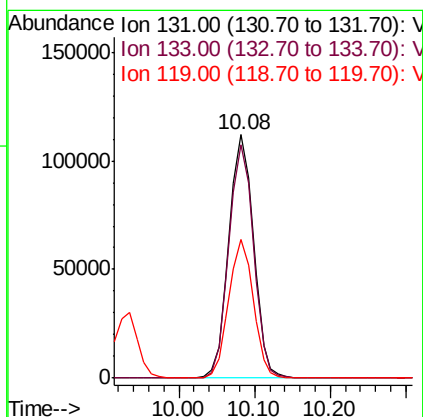
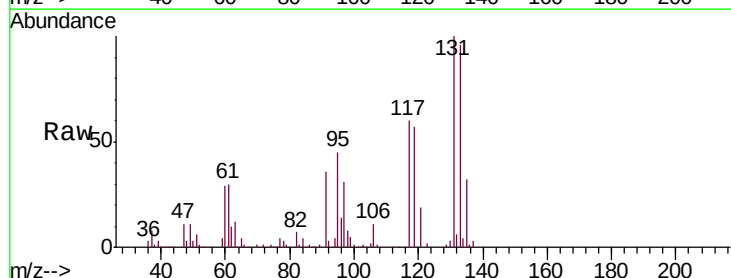
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

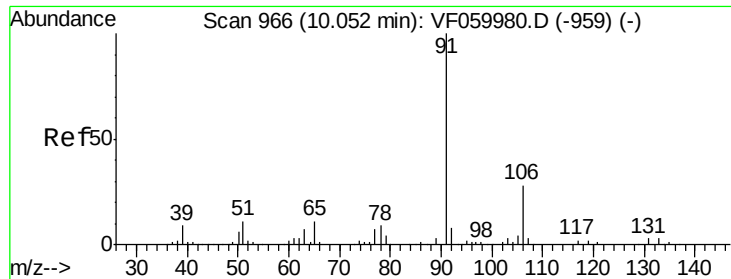
Tgt Ion:112 Resp: 533022
Ion Ratio Lower Upper
112 100
114 32.7 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 138.773 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion:131 Resp: 254169
Ion Ratio Lower Upper
131 100
133 95.6 51.1 153.3
119 57.0 29.0 87.1





#67

Ethyl Benzene

Concen: 131.709 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

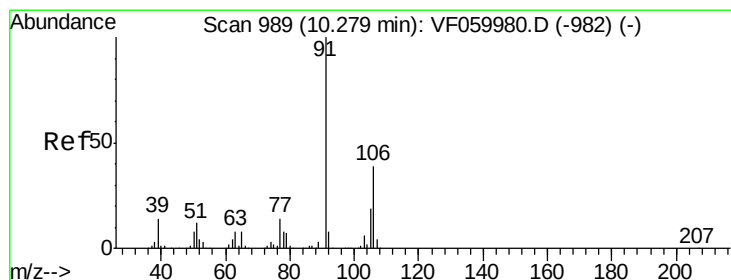
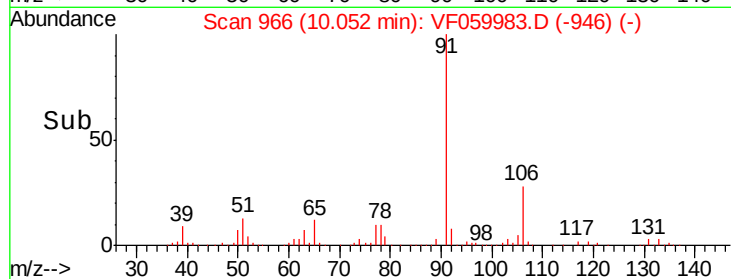
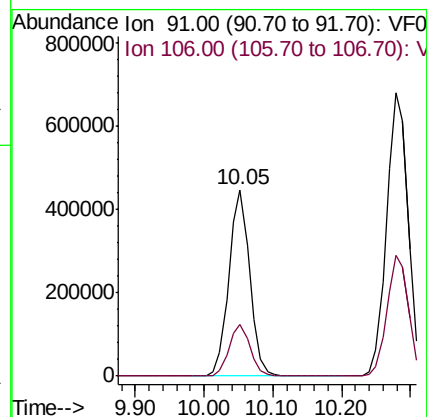
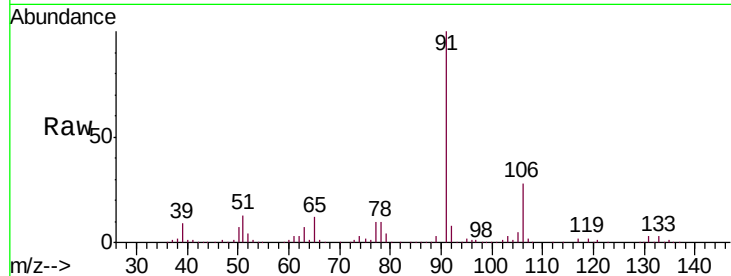
VSTDIC150

Tgt Ion: 91 Resp: 942203

Ion Ratio Lower Upper

91 100

106 27.7 22.0 33.0



#68

m/p-Xylenes

Concen: 256.161 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.00 min

Lab File: VF059983.D

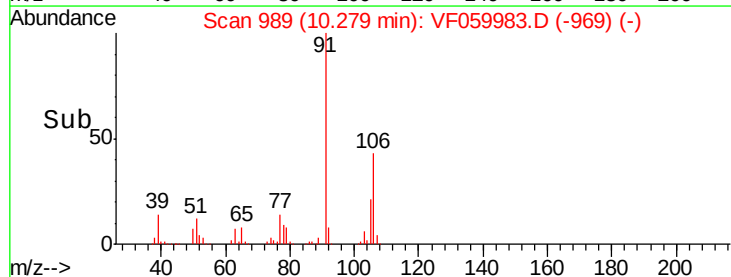
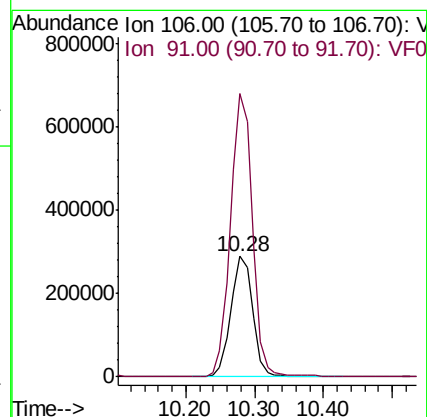
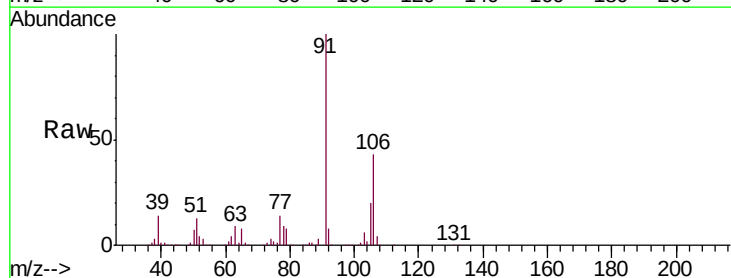
Acq: 17 Aug 2018 19:55

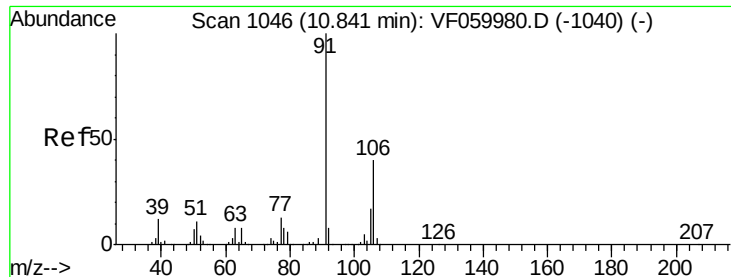
Tgt Ion: 106 Resp: 637776

Ion Ratio Lower Upper

106 100

91 234.4 203.5 305.3

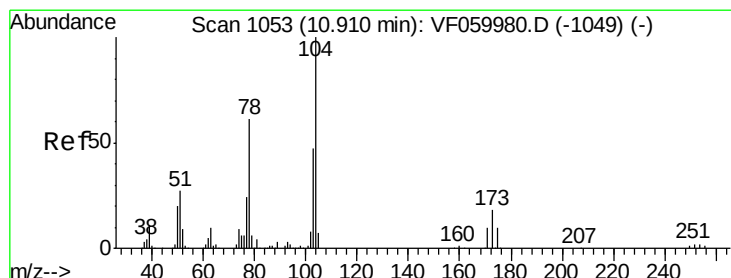
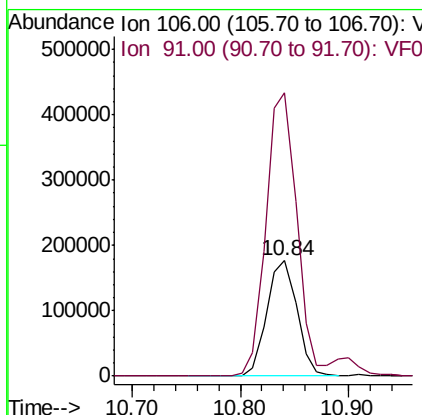
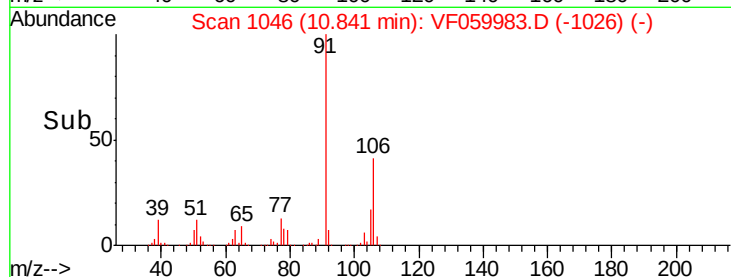
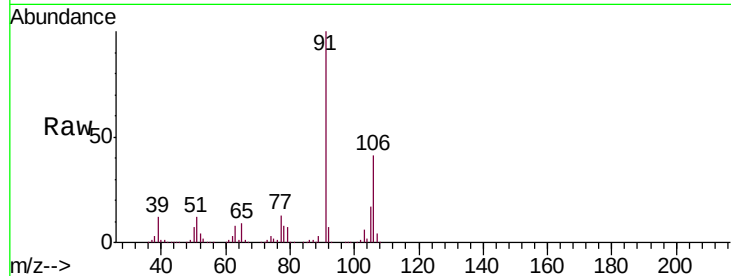




#69
o-Xylene
Concen: 134.254 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

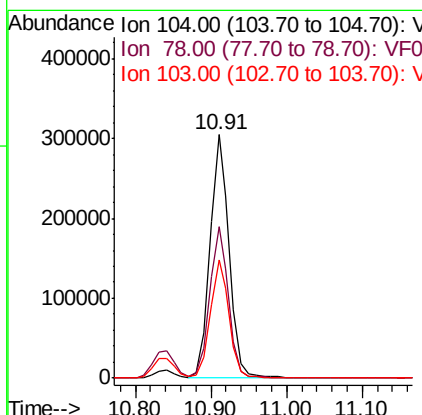
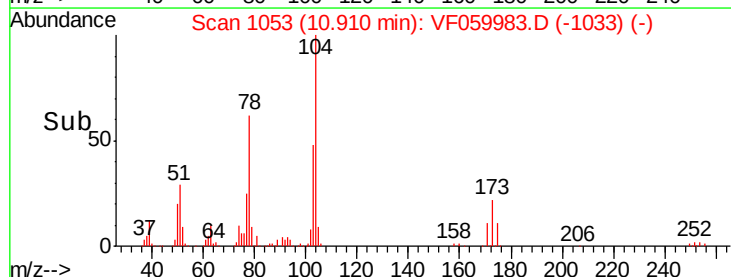
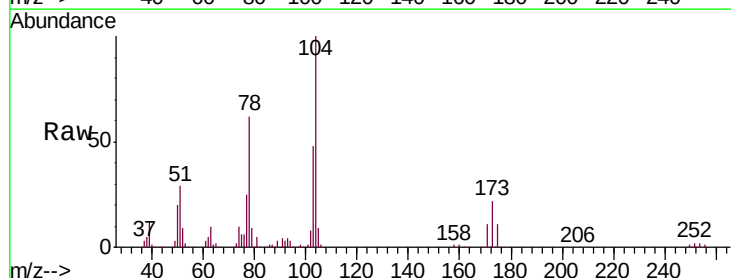
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

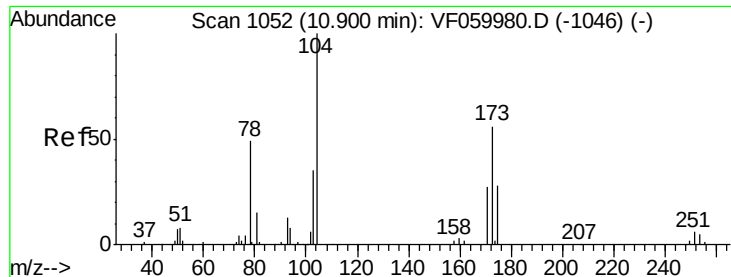
Tgt Ion:106 Resp: 343771
Ion Ratio Lower Upper
106 100
91 245.2 125.4 376.2



#70
Styrene
Concen: 132.351 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion:104 Resp: 539711
Ion Ratio Lower Upper
104 100
78 62.4 49.0 73.6
103 48.4 38.2 57.4





#71

Bromoform

Concen: 141.881 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

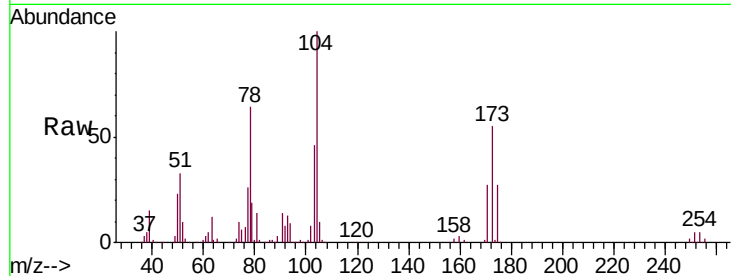
Tgt Ion:173 Resp: 195659

Ion Ratio Lower Upper

173 100

175 49.5 24.8 74.3

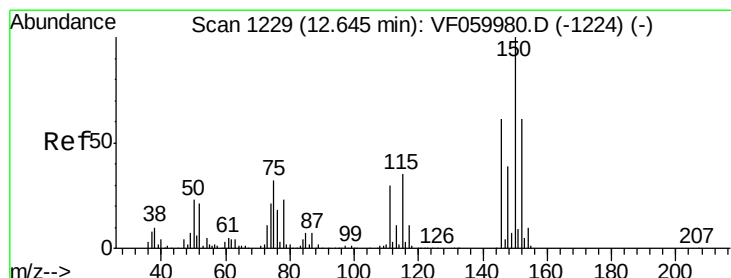
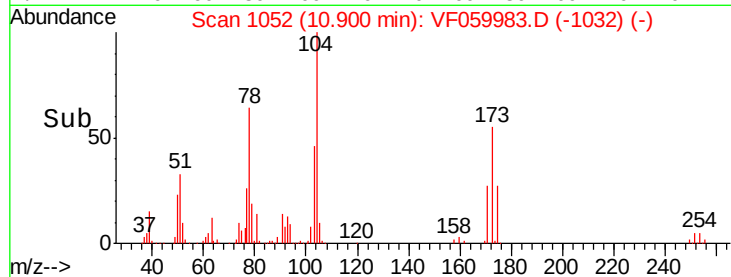
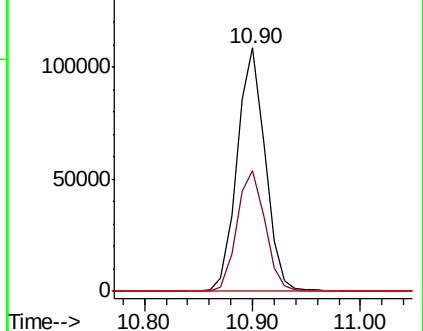
254 0.1 0.0 0.0#



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: 12.64 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

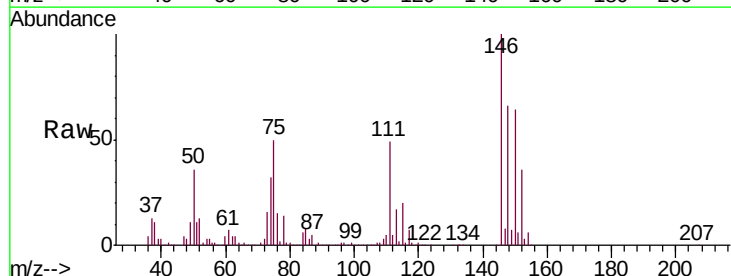
Tgt Ion:152 Resp: 130760

Ion Ratio Lower Upper

152 100

115 57.0 29.1 87.3

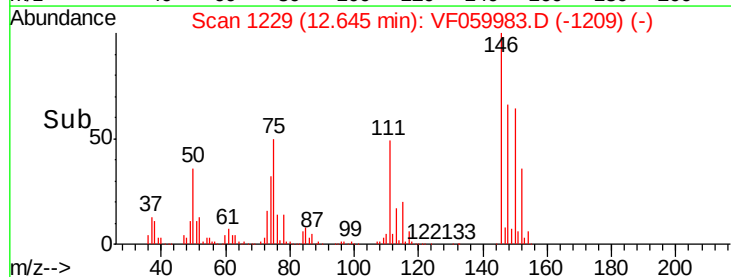
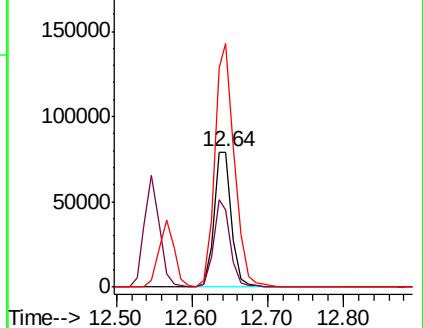
150 180.2 0.0 330.2

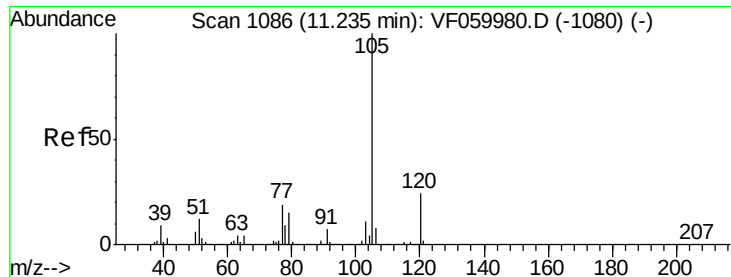


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 140.629 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

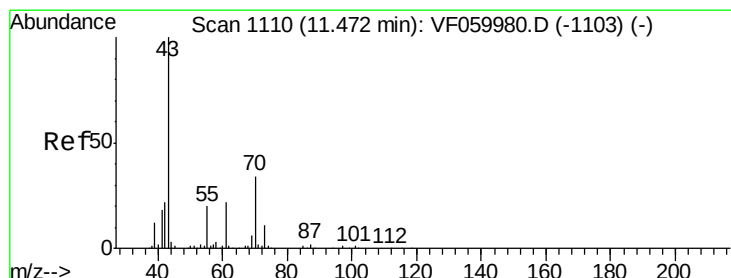
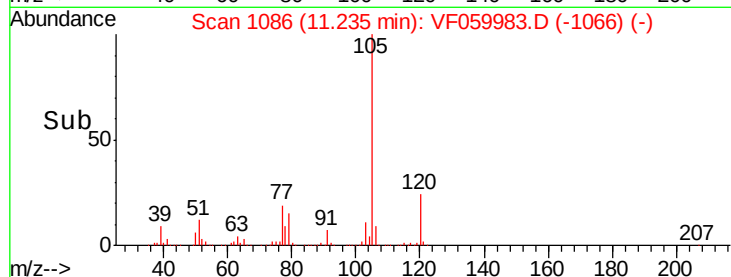
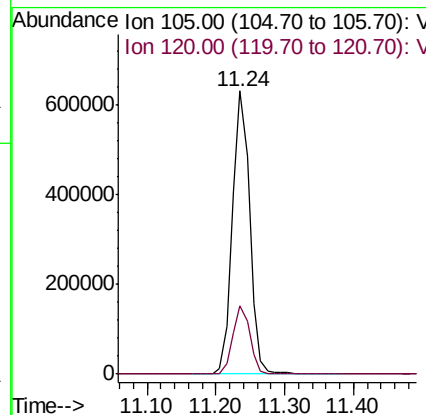
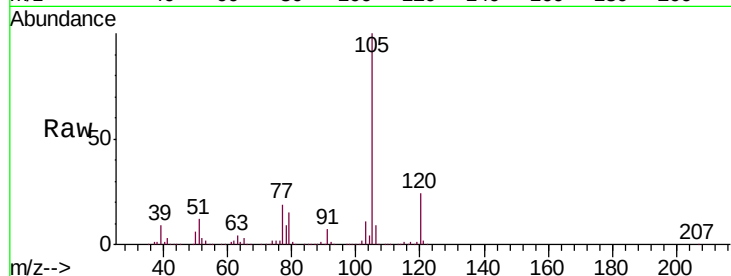
VSTDIC150

Tgt Ion:105 Resp: 1099661

Ion Ratio Lower Upper

105 100

120 24.0 11.9 35.5



#74

N-ethyl acetate

Concen: 151.584 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Tgt Ion: 43 Resp: 350568

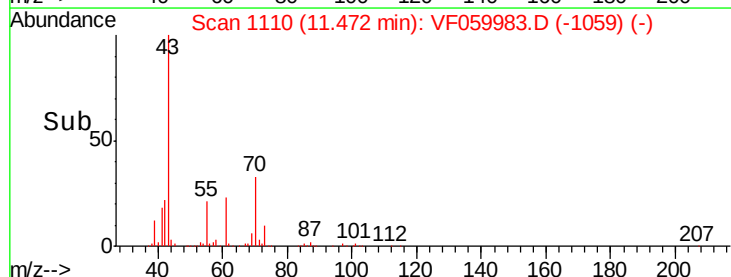
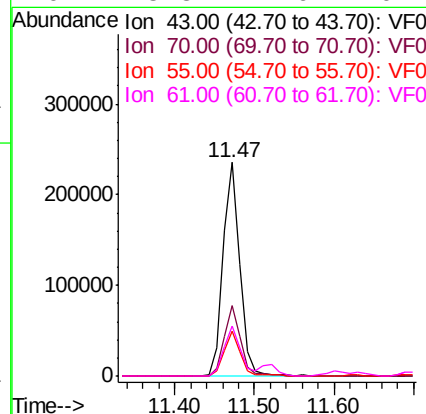
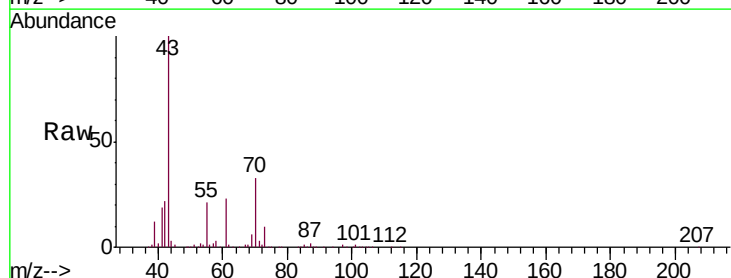
Ion Ratio Lower Upper

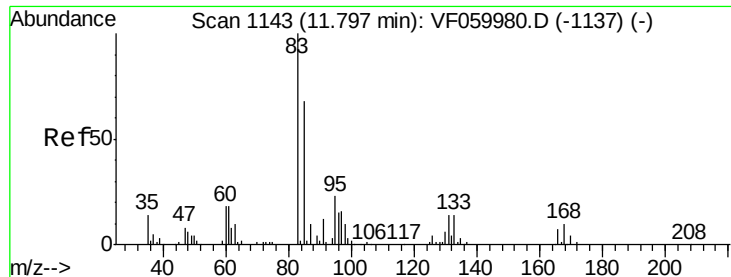
43 100

70 32.8 27.2 40.8

55 20.7 16.4 24.6

61 23.3 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 135.015 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

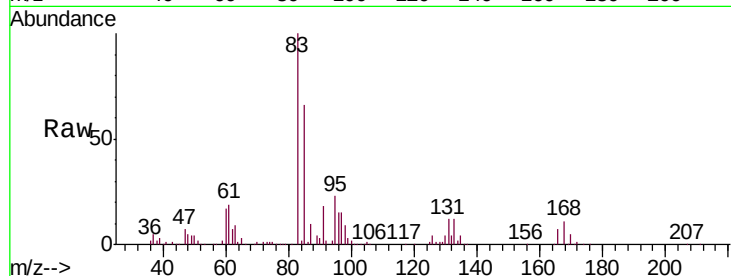
Tgt Ion: 83 Resp: 215335

Ion Ratio Lower Upper

83 100

131 11.7 7.2 21.6

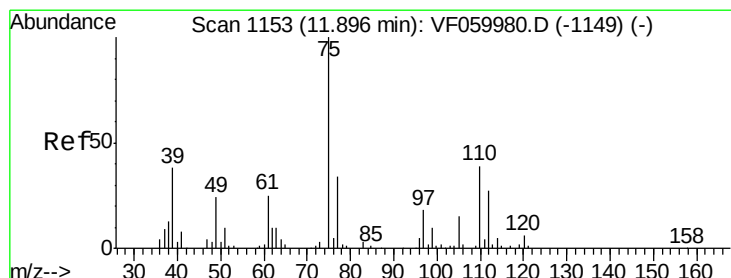
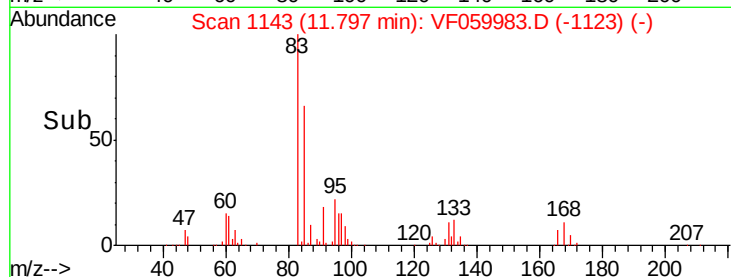
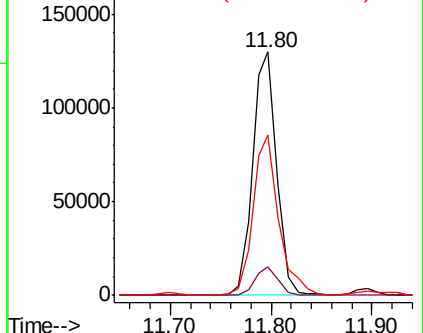
85 66.1 34.1 102.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 131.084 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF059983.D

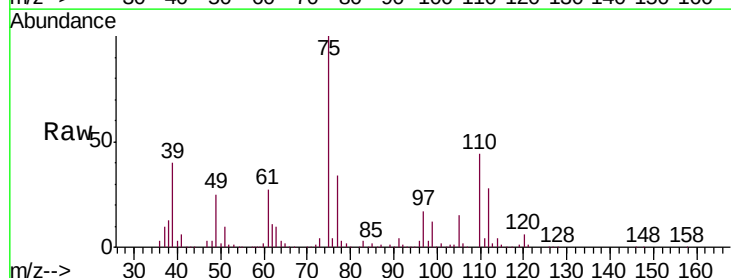
Acq: 17 Aug 2018 19:55

Tgt Ion: 75 Resp: 186908

Ion Ratio Lower Upper

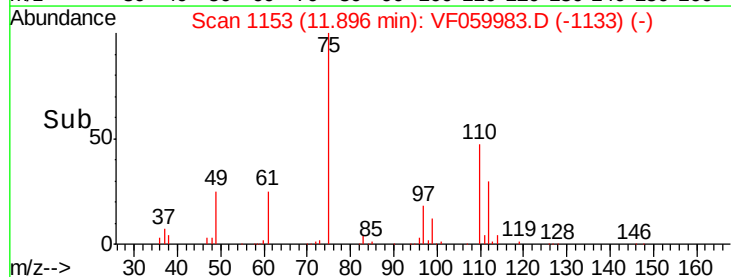
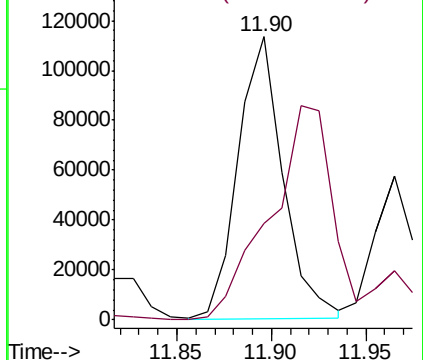
75 100

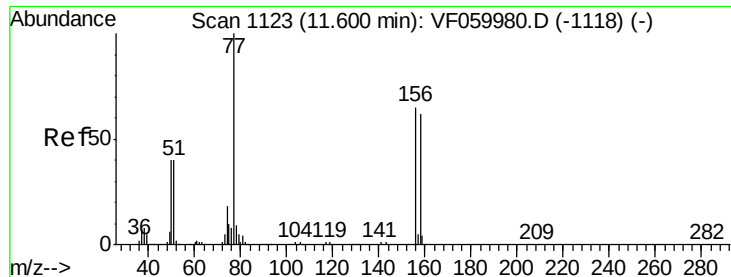
77 34.2 17.1 51.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 137.326 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

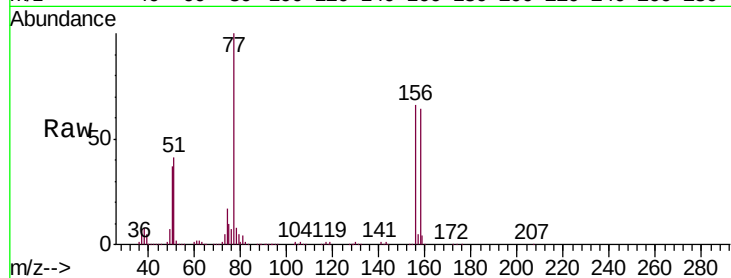
Tgt Ion:156 Resp: 302973

Ion Ratio Lower Upper

156 100

77 151.4 76.9 230.7

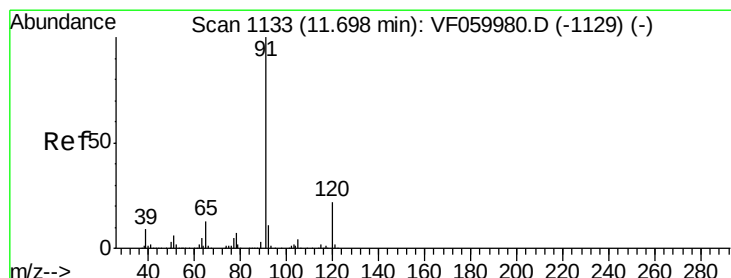
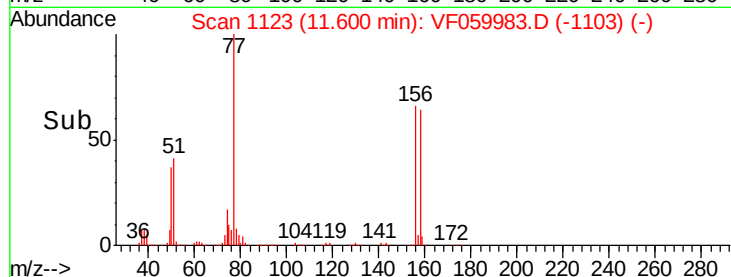
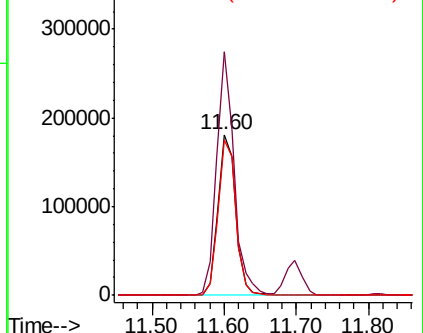
158 96.3 47.7 143.1



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: 132.034 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF059983.D

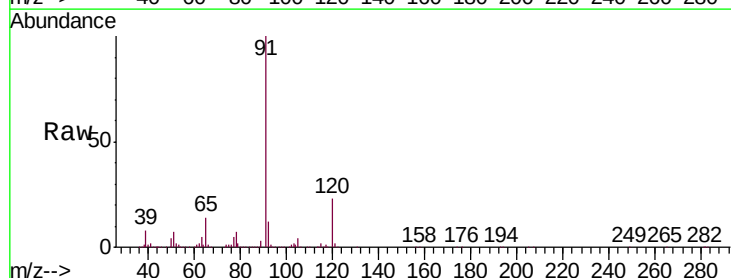
Acq: 17 Aug 2018 19:55

Tgt Ion: 91 Resp: 1282010

Ion Ratio Lower Upper

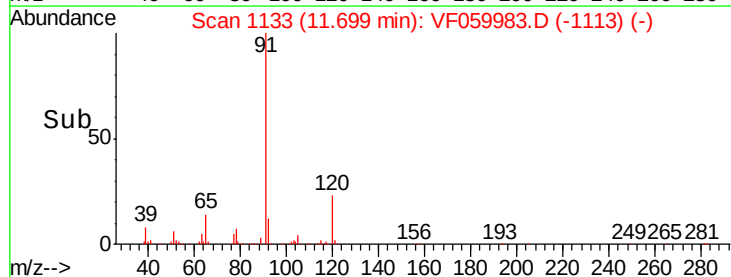
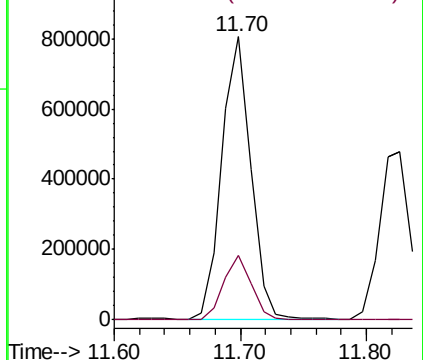
91 100

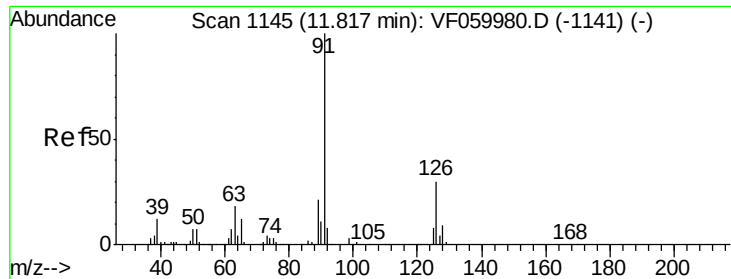
120 22.6 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

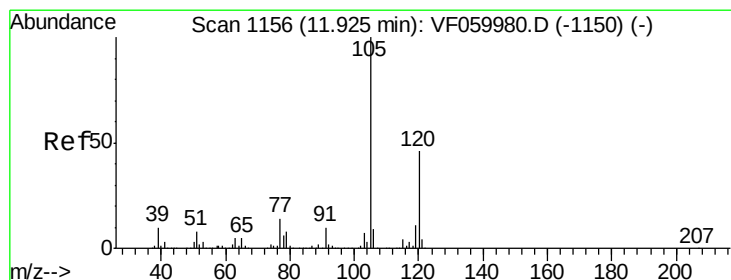
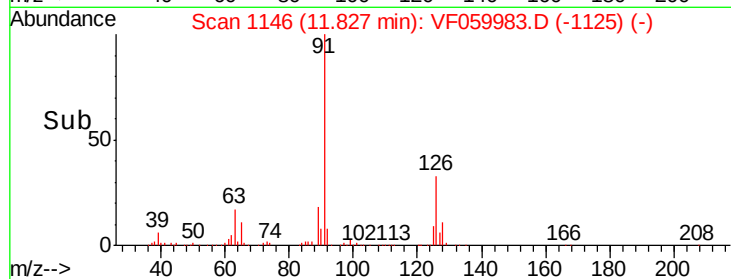
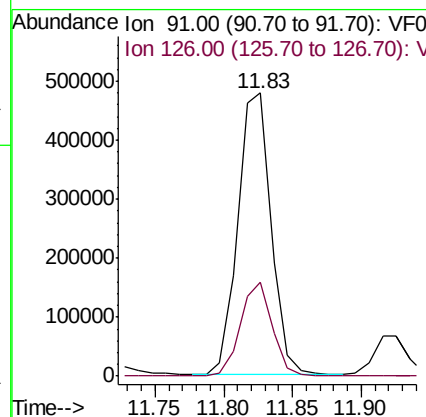
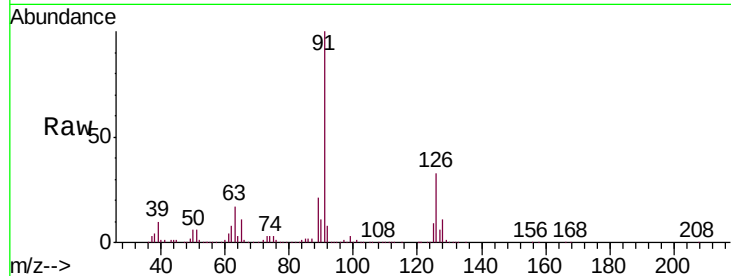




#79
 2-Chlorotoluene
 Concen: 135.669 ug/l
 RT: 11.83 min Scan# 1146
 Delta R.T. 0.01 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

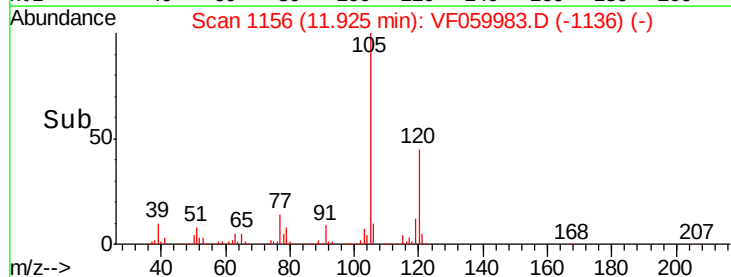
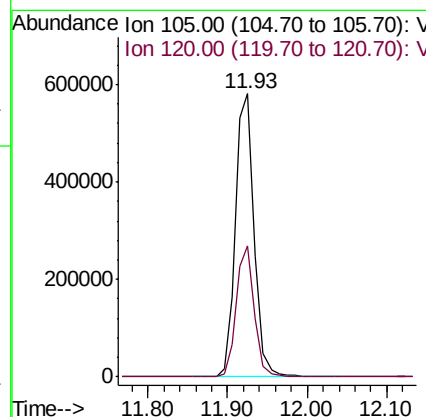
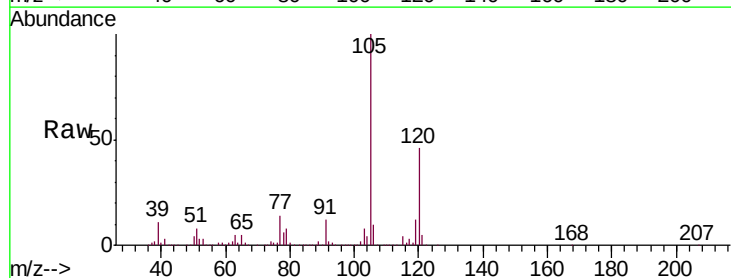
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

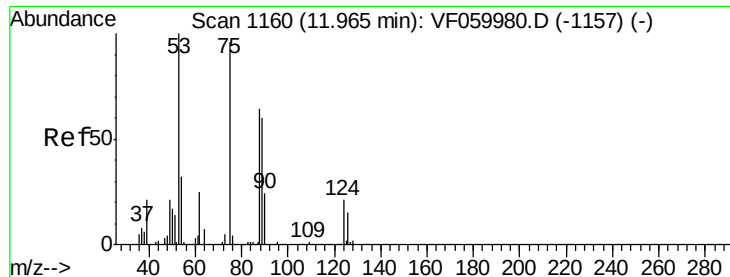
Tgt Ion: 91 Resp: 806843
 Ion Ratio Lower Upper
 91 100
 126 33.3 14.7 44.1



#80
 1,3,5-Trimethylbenzene
 Concen: 135.955 ug/l
 RT: 11.93 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Tgt Ion: 105 Resp: 962376
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.9 68.7





#81

trans-1,4-Dichloro-2-butene

Concen: 159.567 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

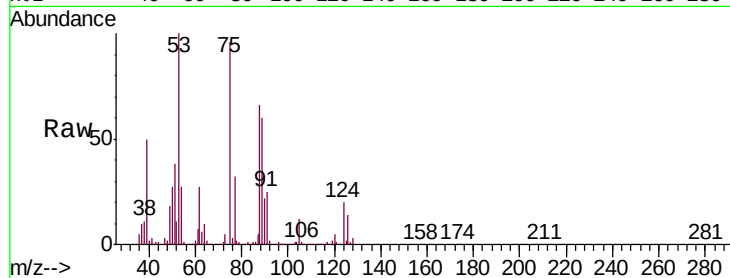
MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 117296

Ion	Ratio	Lower	Upper
75	100		
53	104.7	87.4	131.0
89	62.6	52.8	79.2

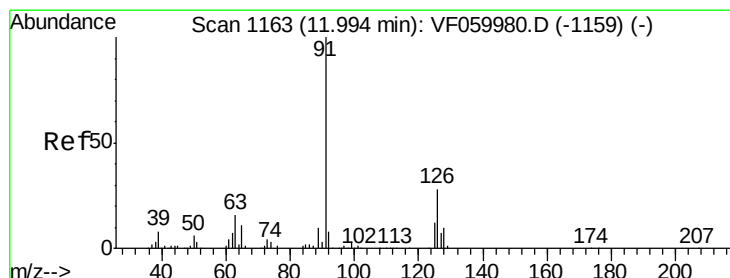
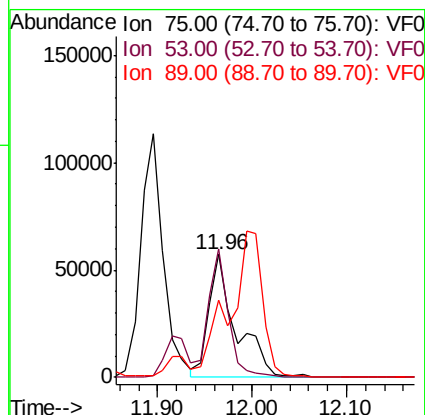
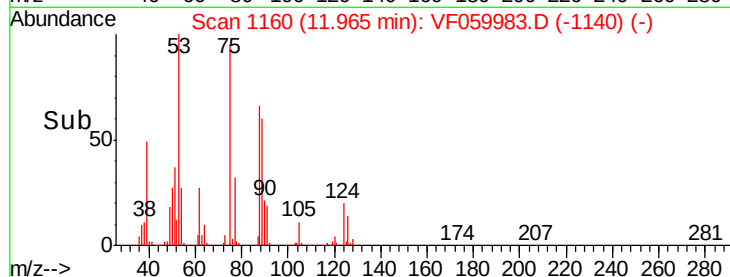


Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 136.555 ug/l

RT: 11.99 min Scan# 1163

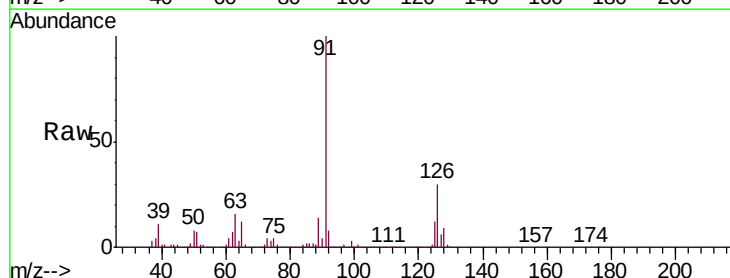
Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Tgt Ion: 91 Resp: 884277

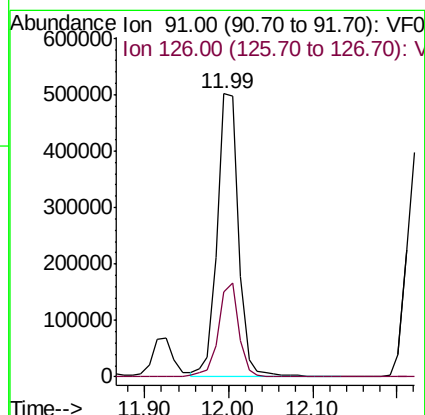
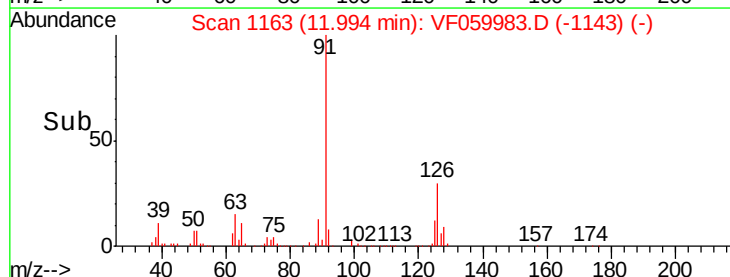
Ion	Ratio	Lower	Upper
91	100		
126	30.1	14.1	42.4

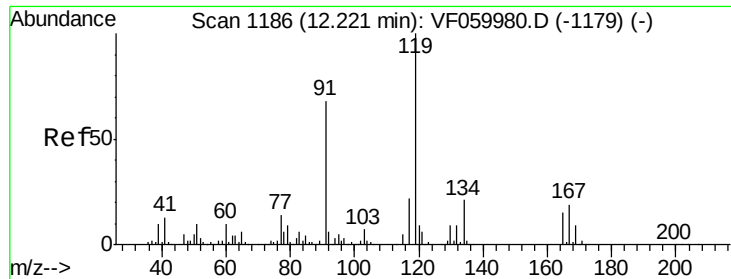


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

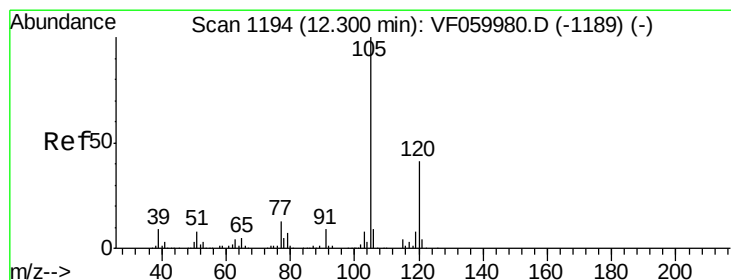
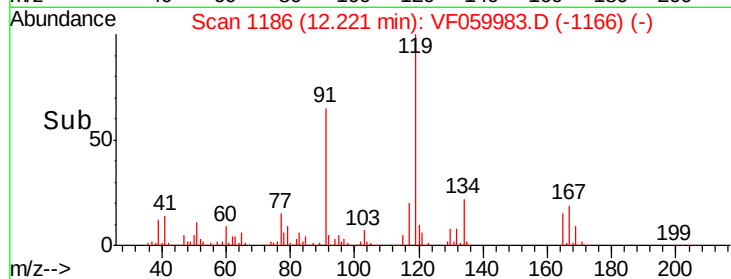
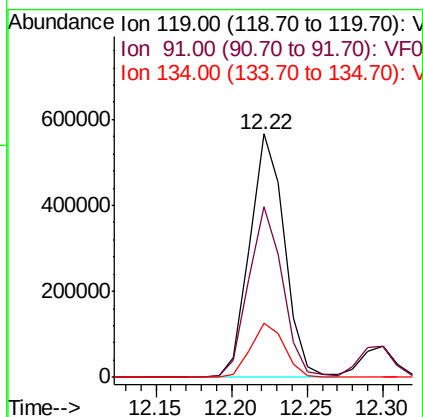
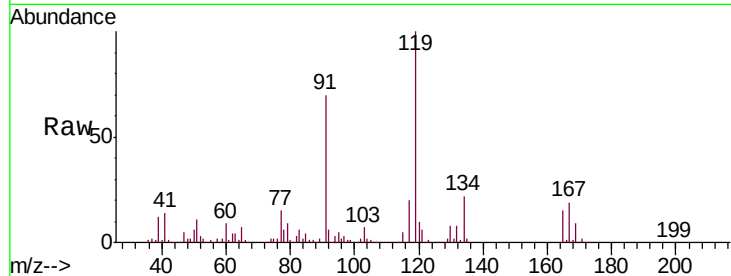




#83
 tert-Butylbenzene
 Concen: 130.361 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

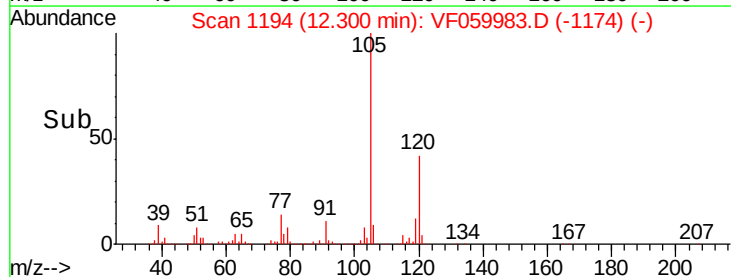
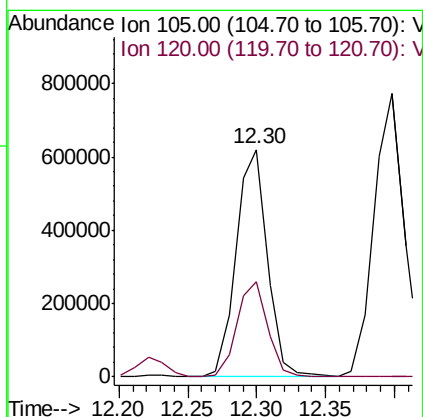
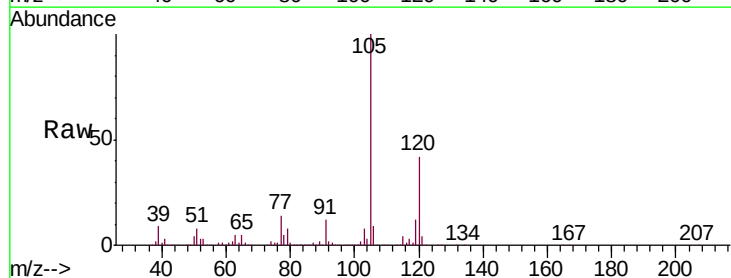
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

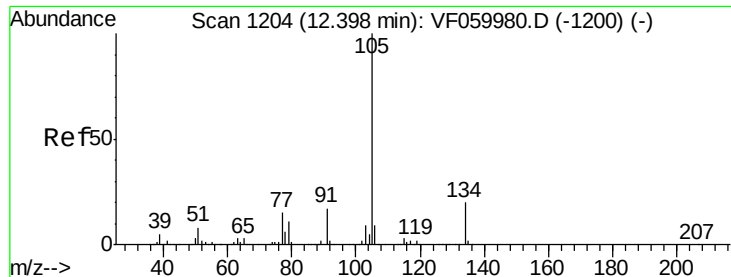
Tgt Ion:119 Resp: 912075
 Ion Ratio Lower Upper
 119 100
 91 70.3 34.1 102.2
 134 22.2 10.5 31.6



#84
 1,2,4-Trimethylbenzene
 Concen: 132.086 ug/l
 RT: 12.30 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Tgt Ion:105 Resp: 981997
 Ion Ratio Lower Upper
 105 100
 120 41.9 20.9 62.7





#85

sec-Butylbenzene

Concen: 130.265 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

Instrument :

MSVOA_F

ClientSampleId :

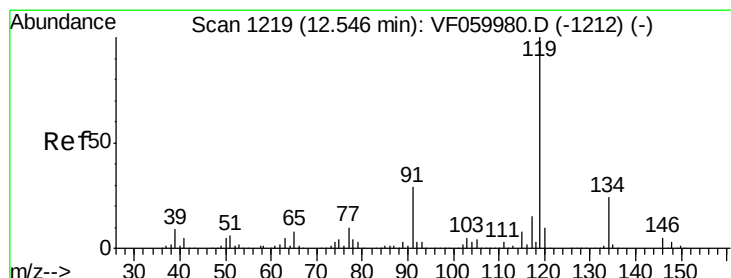
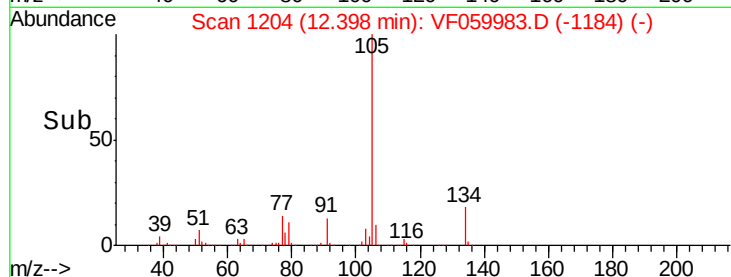
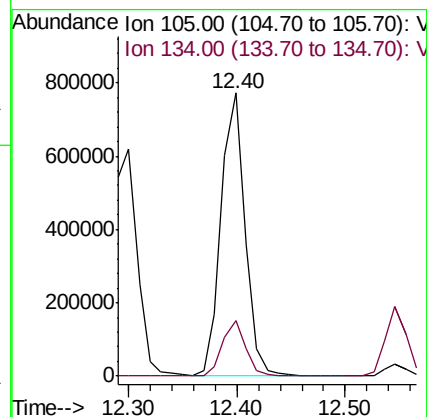
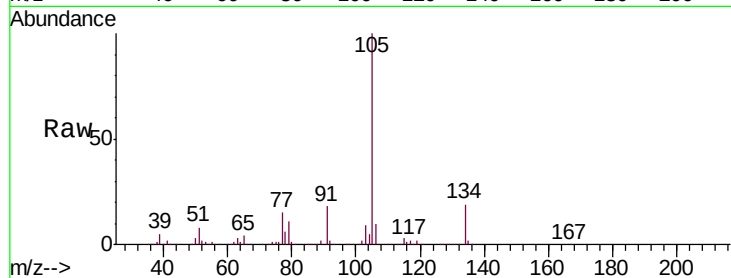
VSTDIC150

Tgt Ion:105 Resp: 1192552

Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.5



#86

p-Isopropyltoluene

Concen: 134.221 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059983.D

Acq: 17 Aug 2018 19:55

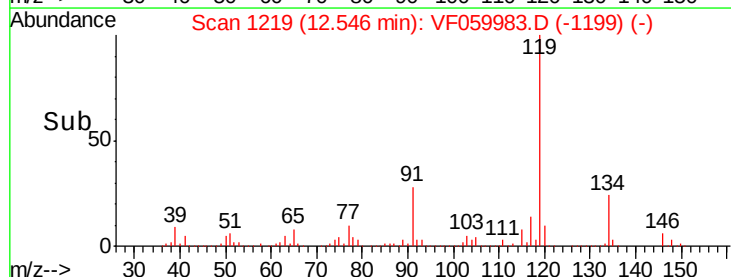
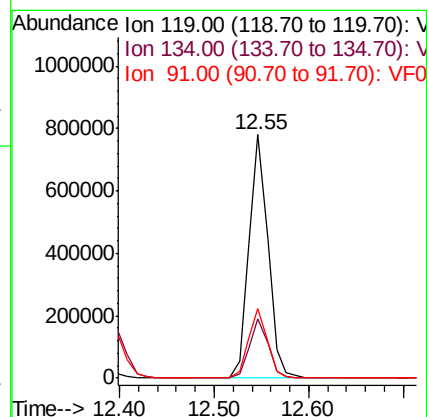
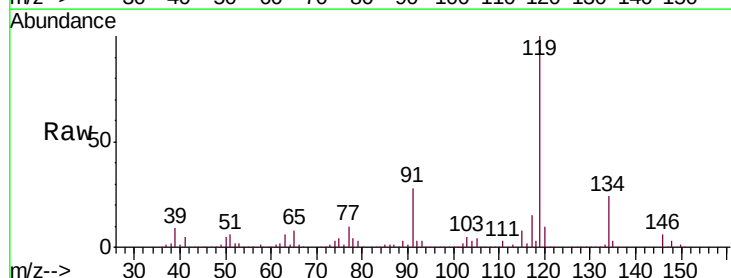
Tgt Ion:119 Resp: 1086224

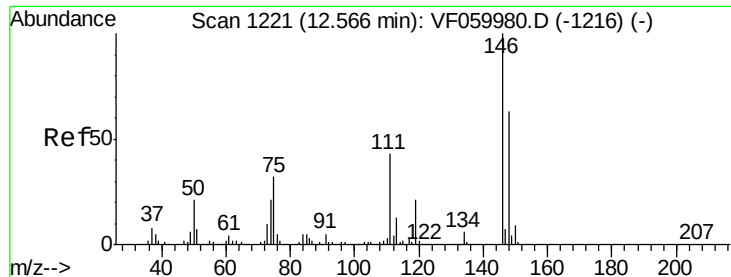
Ion Ratio Lower Upper

119 100

134 24.2 12.1 36.3

91 28.4 14.4 43.4

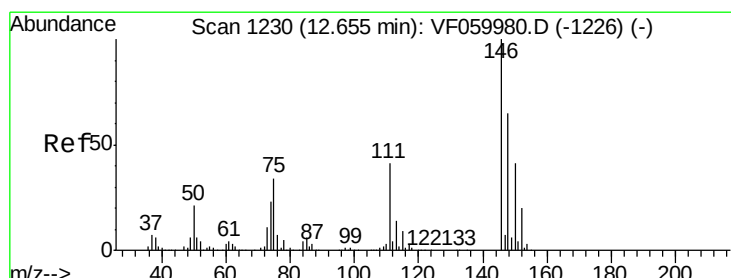
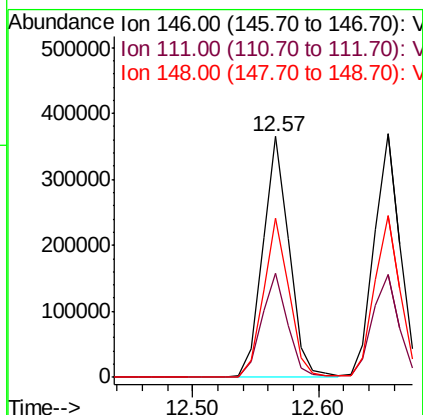
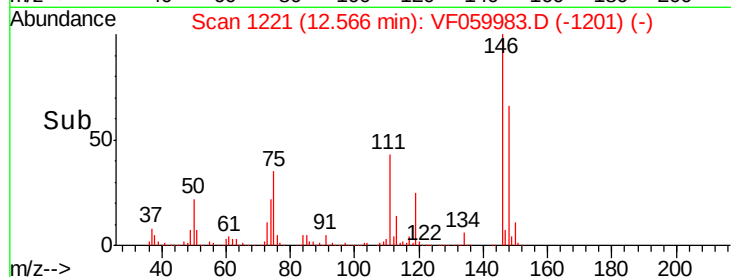
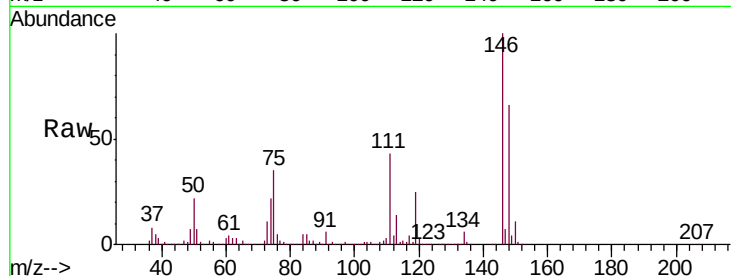




#87
 1,3-Dichlorobenzene
 Concen: 127.214 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

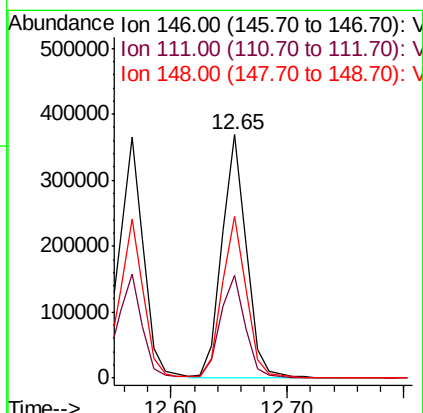
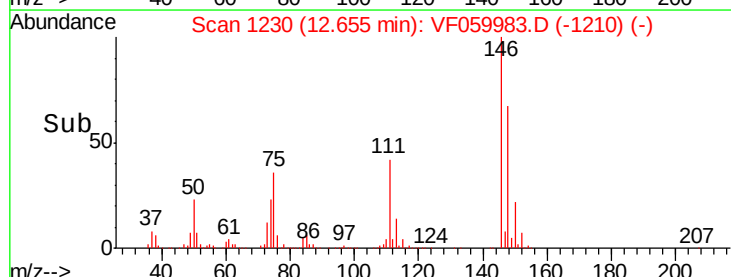
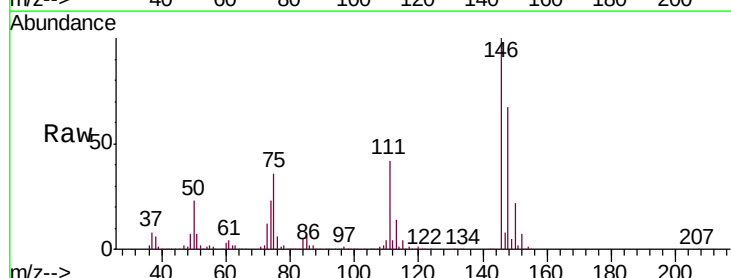
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

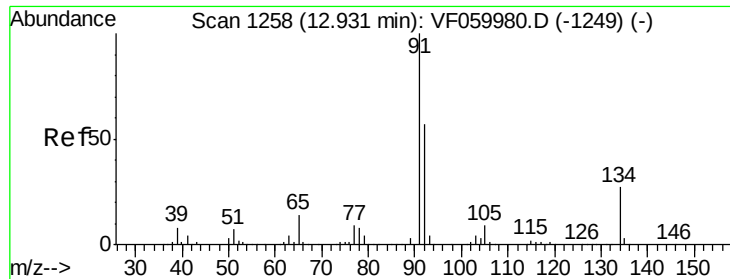
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.3	63.7
148	66.3	31.6	95.0



#88
 1,4-Dichlorobenzene
 Concen: 131.516 ug/l
 RT: 12.65 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.3	61.0
148	66.5	32.6	97.8

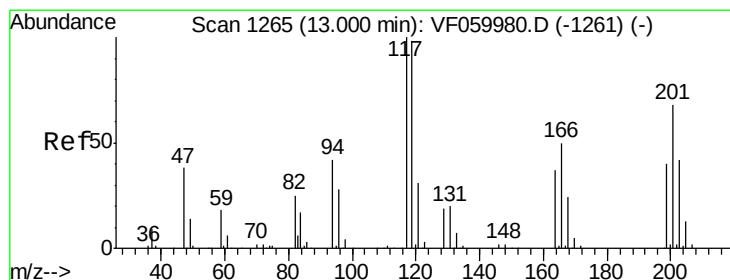
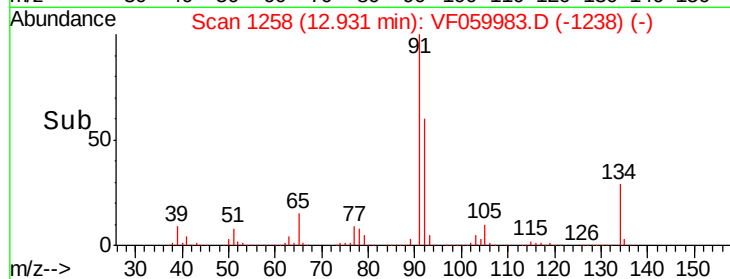
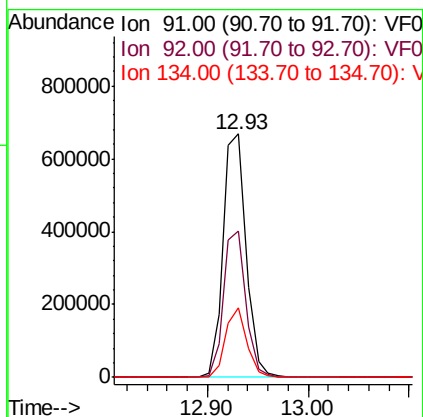
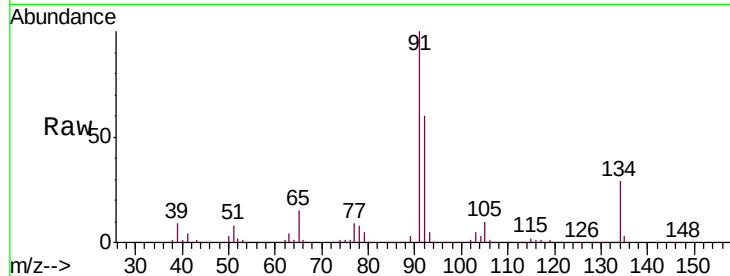




#89
n-Butylbenzene
Concen: 135.878 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

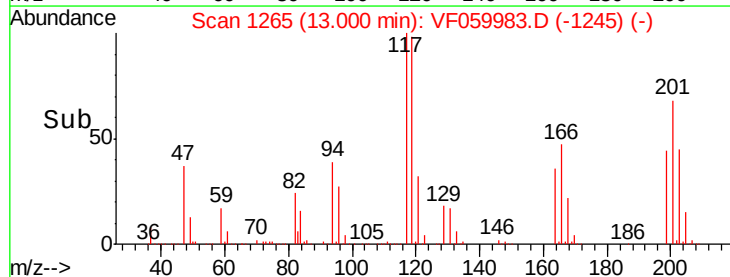
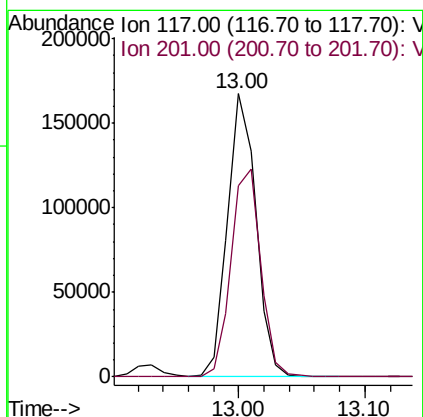
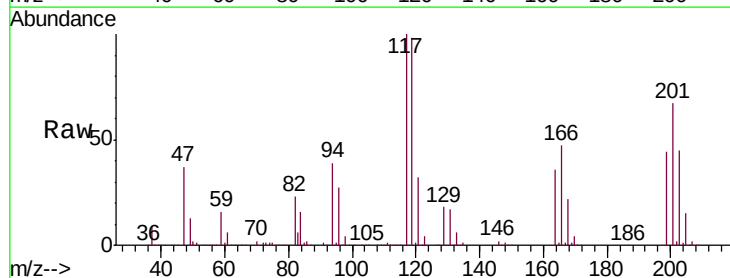
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

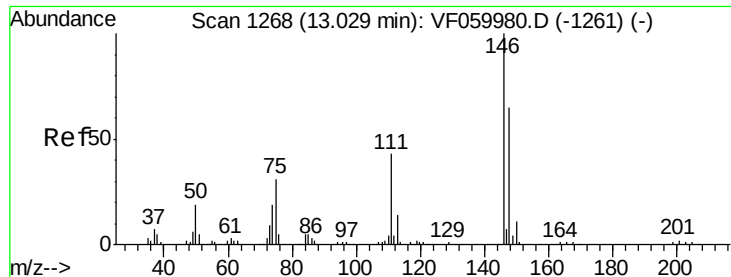
Tgt Ion: 91 Resp: 1062974
Ion Ratio Lower Upper
91 100
92 60.0 28.7 86.3
134 28.8 13.3 39.9



#90
Hexachloroethane
Concen: 143.160 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion: 117 Resp: 260691
Ion Ratio Lower Upper
117 100
201 67.4 34.5 103.5

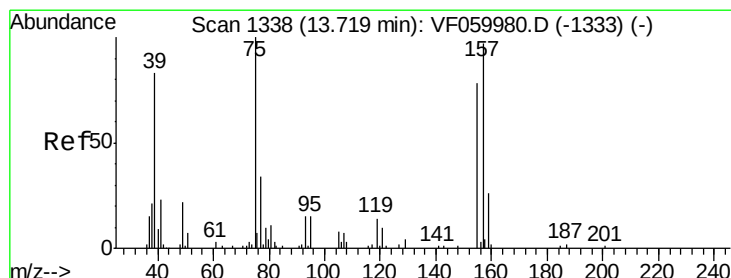
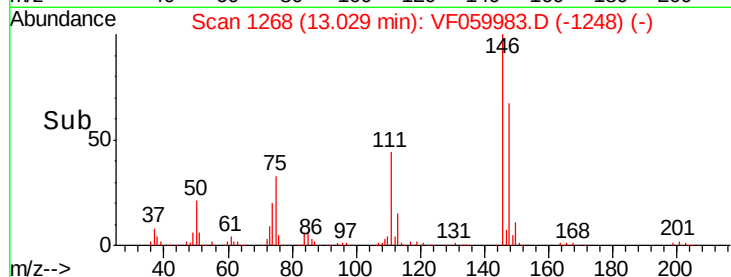
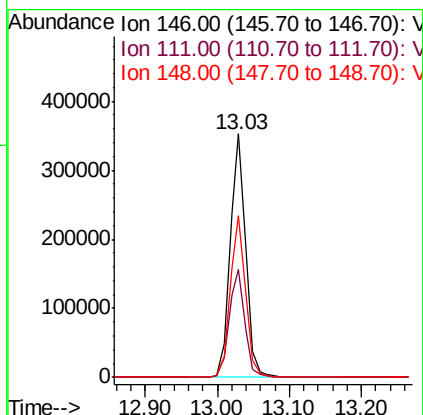
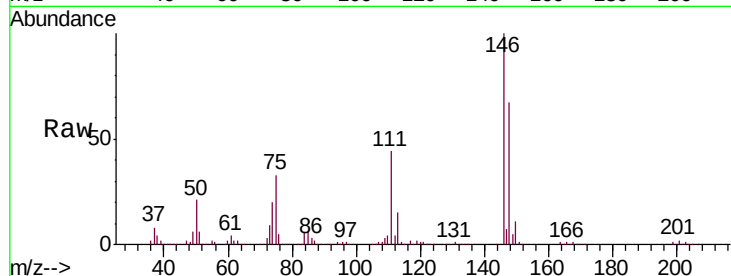




#91
 1,2-Dichlorobenzene
 Concen: 130.256 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

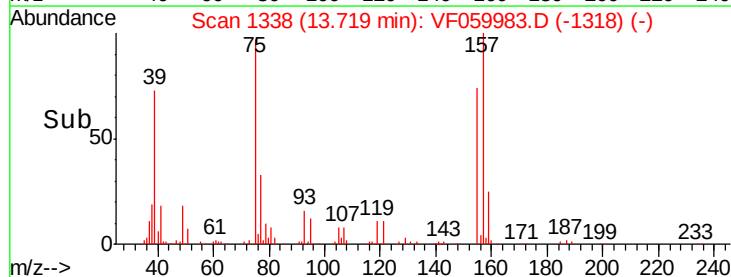
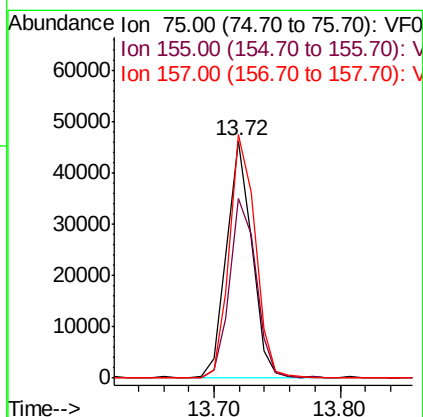
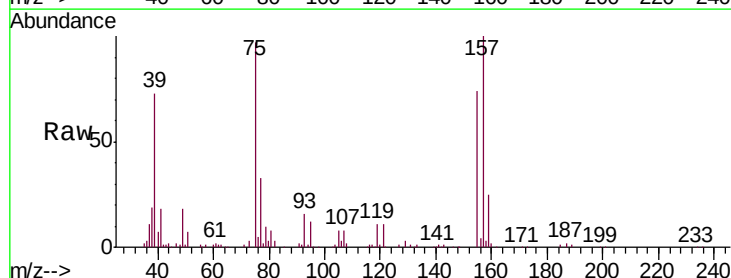
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

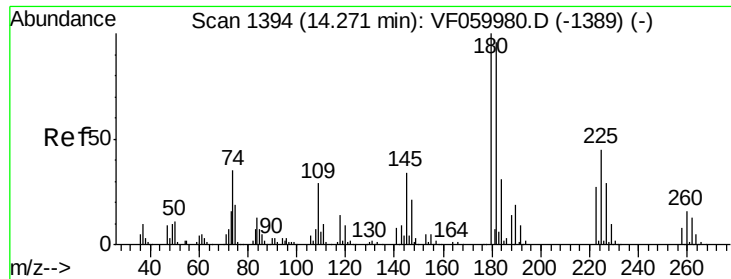
Tgt Ion: 146 Resp: 522747
 Ion Ratio Lower Upper
 146 100
 111 44.4 21.4 64.3
 148 66.6 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 142.996 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Tgt Ion: 75 Resp: 64295
 Ion Ratio Lower Upper
 75 100
 155 75.8 38.9 116.7
 157 102.6 50.8 152.5

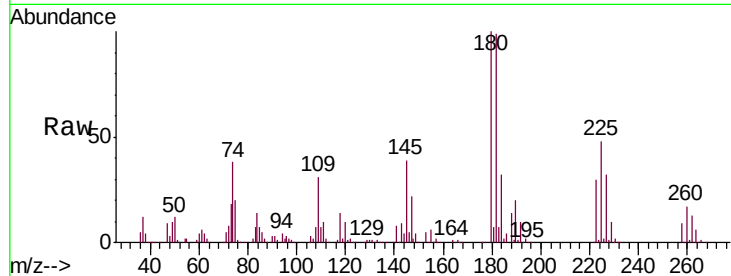




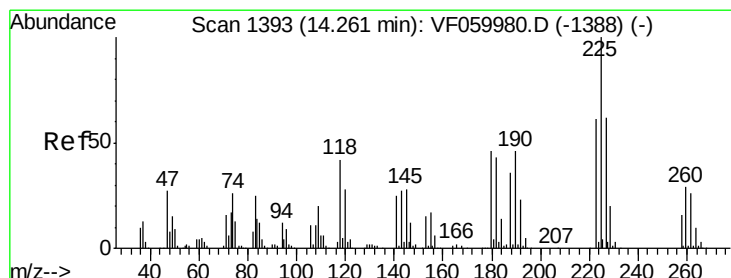
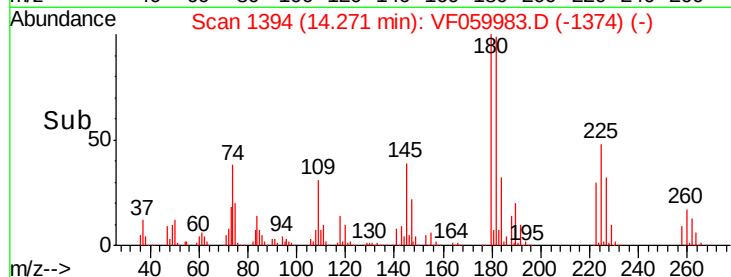
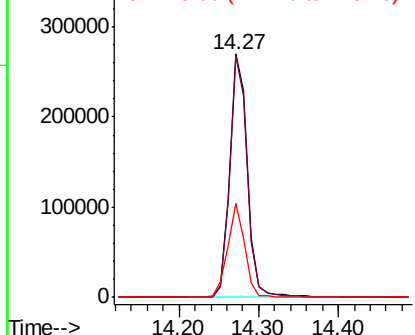
#93
 1,2,4-Trichlorobenzene
 Concen: 129.595 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 421972
 Ion Ratio Lower Upper
 180 100
 182 98.8 47.9 143.6
 145 38.5 17.2 51.5

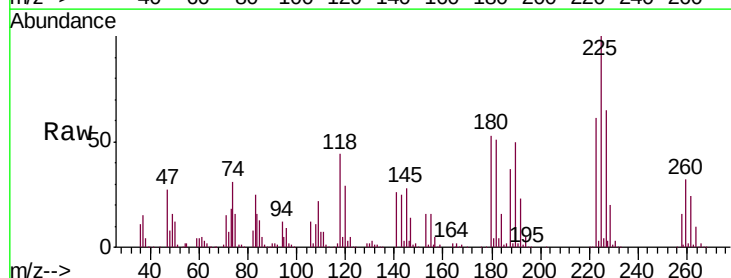


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

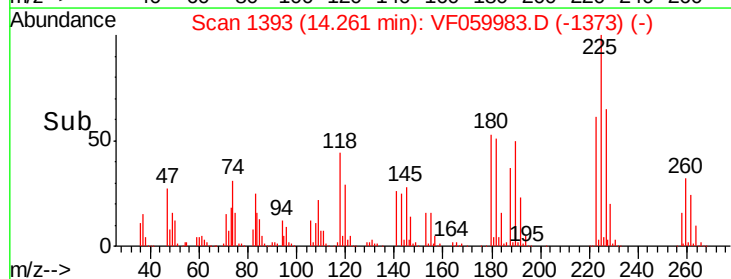
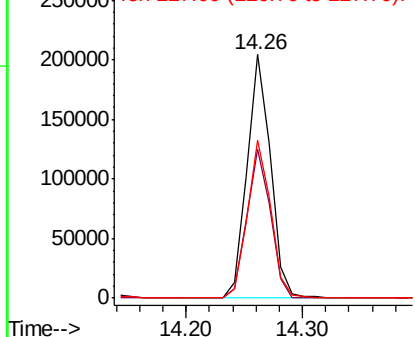


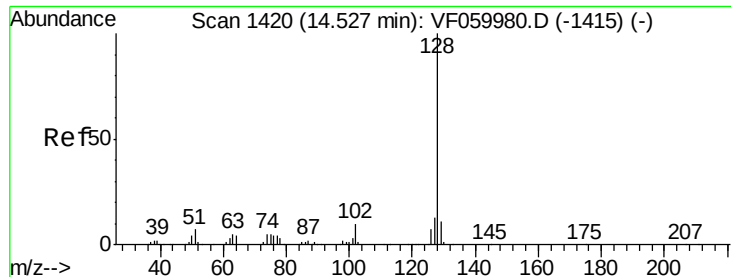
#94
 Hexachlorobutadiene
 Concen: 132.981 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059983.D
 Acq: 17 Aug 2018 19:55

Tgt Ion:225 Resp: 285923
 Ion Ratio Lower Upper
 225 100
 223 61.1 29.1 87.4
 227 64.9 29.8 89.5



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

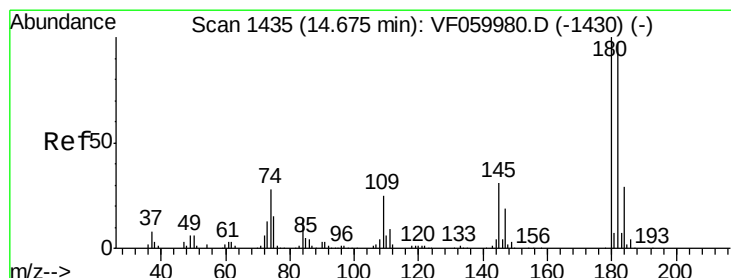
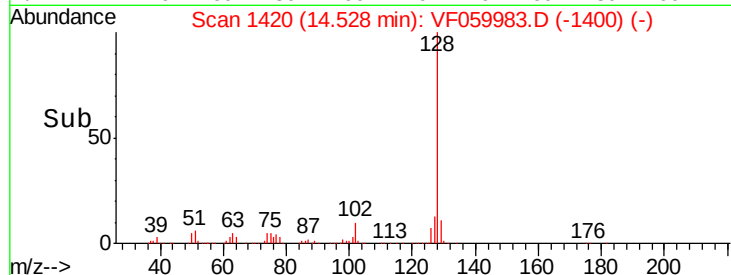
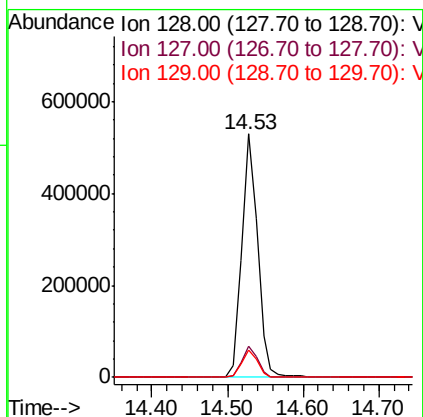
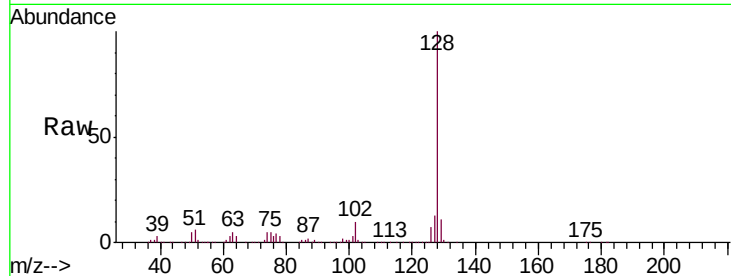




#95
Naphthalene
Concen: 161.723 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 765881
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 11.3 9.0 13.4



#96
1,2,3-Trichlorobenzene
Concen: 136.533 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF059983.D
Acq: 17 Aug 2018 19:55

Tgt Ion:180 Resp: 429482
Ion Ratio Lower Upper
180 100
182 97.9 48.5 145.5
145 34.2 15.7 47.1

