

Data File : VF059979.D
Acq On : 17 Aug 2018 18:04
Operator : VA/AP
Sample : VSTDIC020
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Quant Time: Aug 17 23:40:43 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	132690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	186047	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	191057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	133558	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	52930	20.48	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	40.96%	
35) Dibromofluoromethane	4.30	113	37766	19.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.90%	
50) Toluene-d8	7.72	98	82996	19.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.54%	
62) 4-Bromofluorobenzene	11.52	95	49673	19.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	46560	20.719	ug/l	98
3) Chloromethane	1.08	50	23785	20.554	ug/l #	85
4) Vinyl Chloride	1.13	62	28642	21.566	ug/l	89
5) Bromomethane	1.31	94	25014	19.246	ug/l	89
6) Chloroethane	1.39	64	13951	20.102	ug/l	96
7) Trichlorofluoromethane	1.47	101	74680	20.798	ug/l	94
8) Diethyl Ether	1.71	74	10766	18.765	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.86	101	37622	20.876	ug/l	96
10) Methyl Iodide	1.93	142	46717	20.343	ug/l	98
11) Tert butyl alcohol	2.69	59	16059	100.882	ug/l	99
12) 1,1-Dichloroethene	1.83	96	26016	20.847	ug/l	92
13) Acrolein	2.09	56	5846	69.517	ug/l	92
14) Allyl chloride	2.19	41	42389	20.012	ug/l	92
15) Acrylonitrile	3.08	53	27743	104.903	ug/l	89
16) Acetone	2.35	43	80500	96.851	ug/l	97
17) Carbon Disulfide	1.84	76	84925	21.372	ug/l	97
18) Methyl Acetate	2.46	43	33179	20.099	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	85403	20.262	ug/l	94
20) Methylene Chloride	2.28	84	29074	16.590	ug/l	95
21) trans-1,2-Dichloroethene	2.42	96	27872	20.948	ug/l	98
22) Diisopropyl ether	2.93	45	92930	20.319	ug/l #	94
23) Vinyl Acetate	3.33	43	181002	96.611	ug/l #	96
24) 1,1-Dichloroethane	3.01	63	63649	21.147	ug/l	99
25) 2-Butanone	4.52	43	65808	101.209	ug/l	97
26) 2,2-Dichloropropane	3.77	77	54133	20.608	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	25069	20.659	ug/l	93
28) Bromochloromethane	3.90	49	18399	21.430	ug/l	97
29) Tetrahydrofuran	4.26	42	22259	95.851	ug/l	98
30) Chloroform	4.04	83	69634	20.297	ug/l	96
31) Cyclohexane	3.87	56	29738	21.987	ug/l	91
32) 1,1,1-Trichloroethane	4.28	97	70553	21.110	ug/l	97
36) 1,1-Dichloropropene	4.47	75	44026	20.971	ug/l	95
37) Ethyl Acetate	4.29	43	24722	19.969	ug/l #	99
38) Carbon Tetrachloride	4.17	117	66349	21.996	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	32993	20.749	ug/l	96
40) Benzene	4.81	78	71417	19.994	ug/l	96
41) Methacrylonitrile	4.92	41	11315	19.289	ug/l	98
42) 1,2-Dichloroethane	5.12	62	63231	20.438	ug/l	98
43) Isopropyl Acetate	7.12	43	26662	19.759	ug/l #	95
44) Trichloroethene	5.68	130	28241	20.250	ug/l	80
45) 1,2-Dichloropropane	6.41	63	20153	19.781	ug/l	96
46) Dibromomethane	6.26	93	21926	21.219	ug/l #	87
47) Bromodichloromethane	6.56	83	53811	19.719	ug/l	96
48) Methyl methacrylate	6.88	41	19097	18.987	ug/l	96
49) 1,4-Dioxane	6.87	88	3329	413.458	ug/l #	71
51) 4-Methyl-2-Pentanone	8.41	43	126689	100.543	ug/l	98
52) Toluene	7.79	92	57354	21.319	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	47855	20.654	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	43899	19.655	ug/l	96
55) 1,1,2-Trichloroethane	8.65	97	22466	20.368	ug/l #	91
56) Ethyl methacrylate	8.77	69	25105	19.534	ug/l	94
57) 1,3-Dichloropropane	9.01	76	38675	19.740	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.78	63	12500	118.317	ug/l	100
59) 2-Hexanone	9.63	43	105828	101.083	ug/l	98
60) Dibromochloromethane	8.87	129	40450	20.259	ug/l	99
61) 1,2-Dibromoethane	9.14	107	27812	19.987	ug/l	89
64) Tetrachloroethene	8.31	164	29591	20.635	ug/l	97
65) Chlorobenzene	9.95	112	78213	20.982	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	33782	19.719	ug/l	91
67) Ethyl Benzene	10.05	91	142262	21.260	ug/l	96
68) m/p-Xylenes	10.27	106	102946	44.204	ug/l	90
69) o-Xylene	10.84	106	50953	21.273	ug/l	92
70) Styrene	10.91	104	83168	21.804	ug/l	97
71) Bromoform	10.90	173	27139	21.039	ug/l	95
73) Isopropylbenzene	11.23	105	175690	21.997	ug/l	97
74) N-amyl acetate	11.47	43	49301	20.871	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	32960	20.233	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	30316	20.816	ug/l	95
77) Bromobenzene	11.61	156	48017	21.308	ug/l	85
78) n-propylbenzene	11.69	91	213888	21.567	ug/l	98
79) 2-Chlorotoluene	11.82	91	126863	20.885	ug/l	95
80) 1,3,5-Trimethylbenzene	11.92	105	158513	21.924	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	16117	21.466	ug/l	93
82) 4-Chlorotoluene	12.00	91	141332	21.368	ug/l	95
83) tert-Butylbenzene	12.22	119	152344	21.318	ug/l	99
84) 1,2,4-Trimethylbenzene	12.30	105	156813	20.651	ug/l	98
85) sec-Butylbenzene	12.39	105	196372	21.001	ug/l	96
86) p-Isopropyltoluene	12.54	119	175944	21.285	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	87495	20.539	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	87562	20.992	ug/l	94
89) n-Butylbenzene	12.93	91	168600	21.100	ug/l	97
90) Hexachloroethane	13.00	117	39874	21.438	ug/l	85
91) 1,2-Dichlorobenzene	13.02	146	83819	20.448	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9594	20.891	ug/l	66

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

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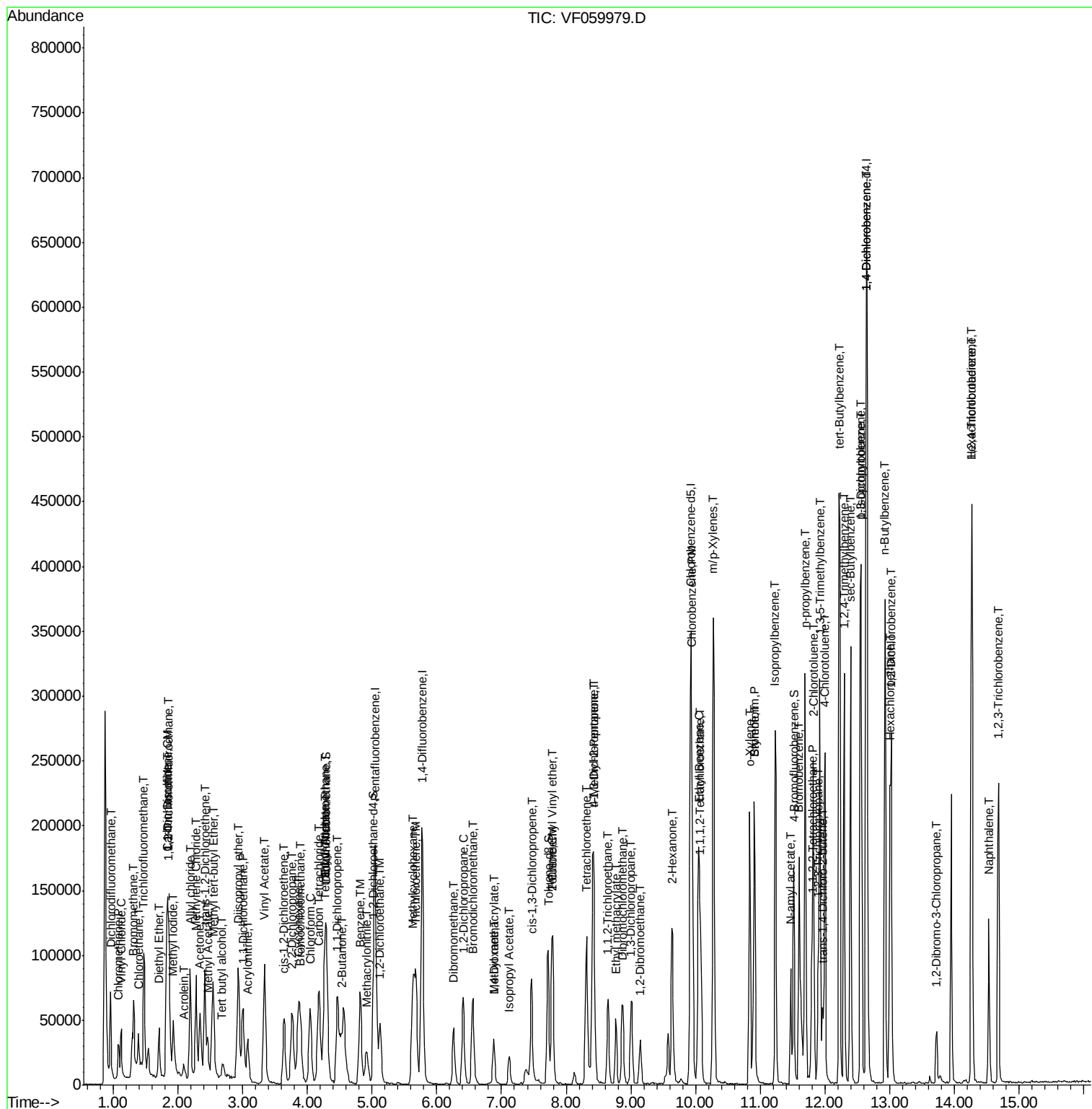
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	68353	20.553	ug/l	97
94) Hexachlorobutadiene	14.27	225	48233	21.963	ug/l	97
95) Naphthalene	14.53	128	87444	18.078	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	65216	20.298	ug/l	97

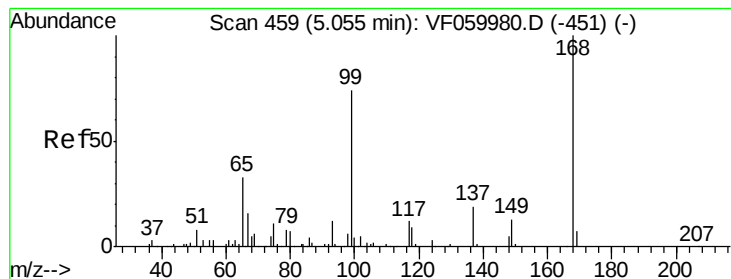
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

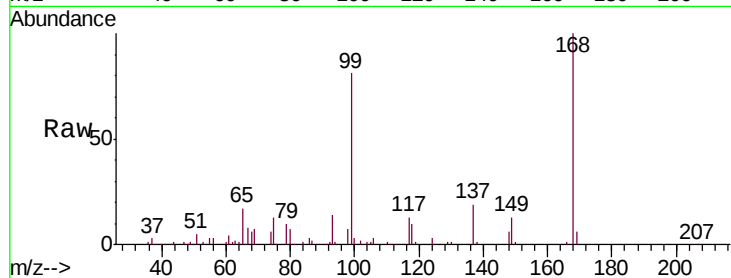
VSTDIC020

Tgt Ion:168 Resp: 132690

Ion Ratio Lower Upper

168 100

99 81.2 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

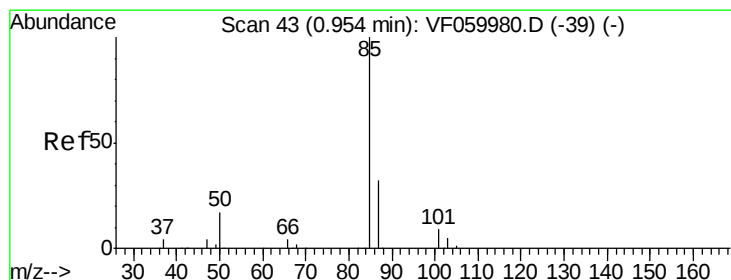
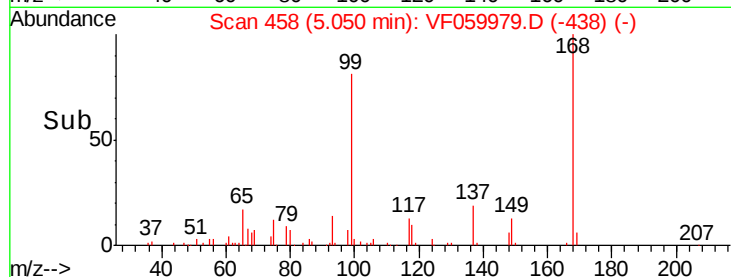
20000

10000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#2

Dichlorodifluoromethane

Concen: 20.719 ug/l

RT: 0.96 min Scan# 43

Delta R.T. 0.01 min

Lab File: VF059979.D

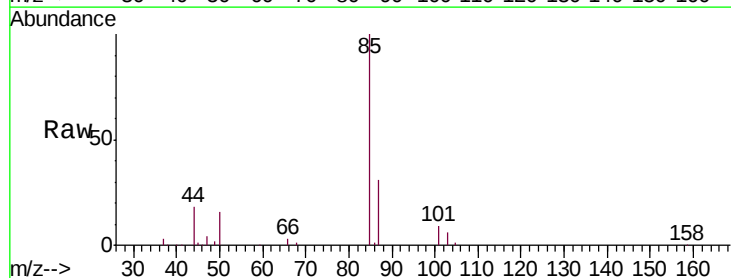
Acq: 17 Aug 2018 18:04

Tgt Ion: 85 Resp: 46560

Ion Ratio Lower Upper

85 100

87 30.8 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

40000

30000

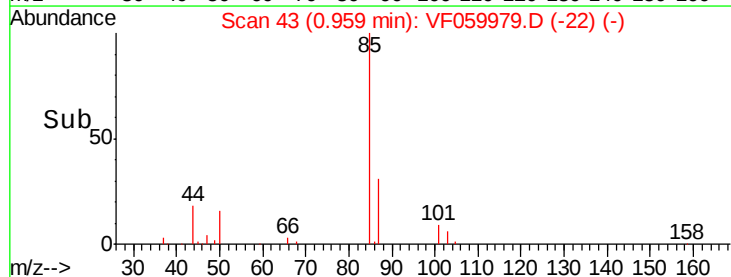
20000

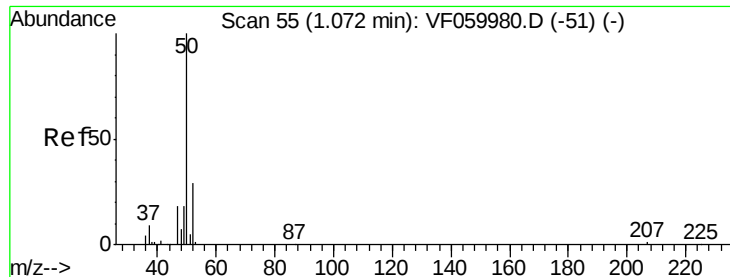
10000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 20.554 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.01 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

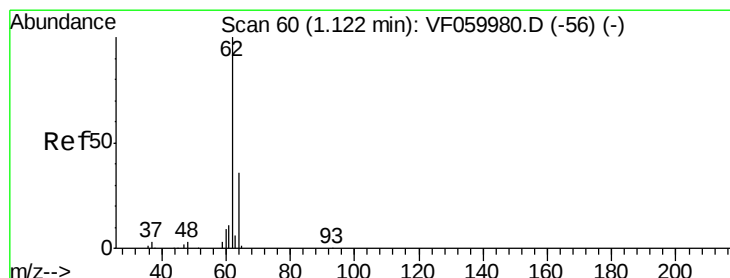
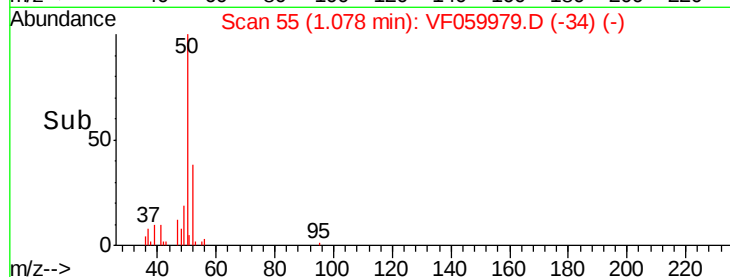
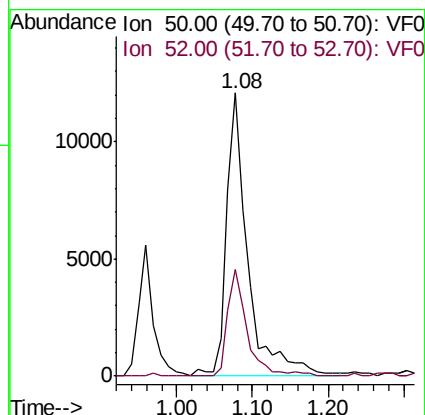
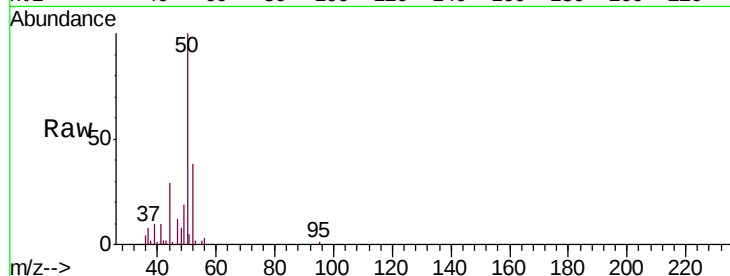
VSTDIC020

Tgt Ion: 50 Resp: 23785

Ion Ratio Lower Upper

50 100

52 37.8 23.6 35.4#



#4

Vinyl Chloride

Concen: 21.566 ug/l

RT: 1.13 min Scan# 60

Delta R.T. 0.01 min

Lab File: VF059979.D

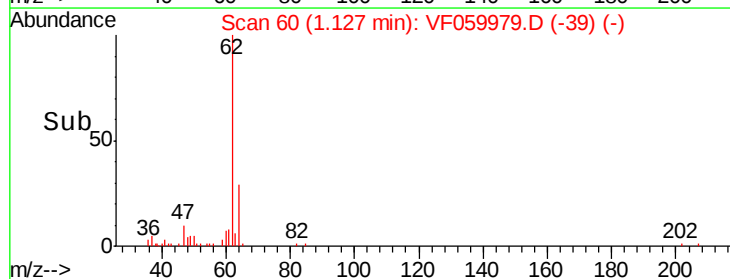
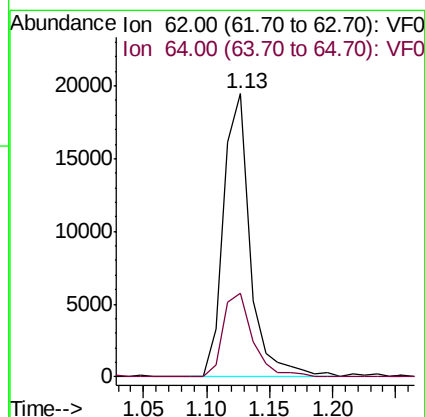
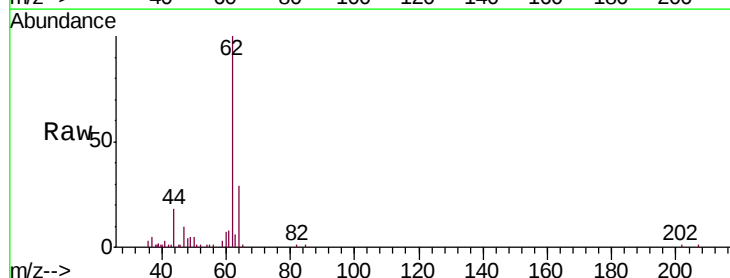
Acq: 17 Aug 2018 18:04

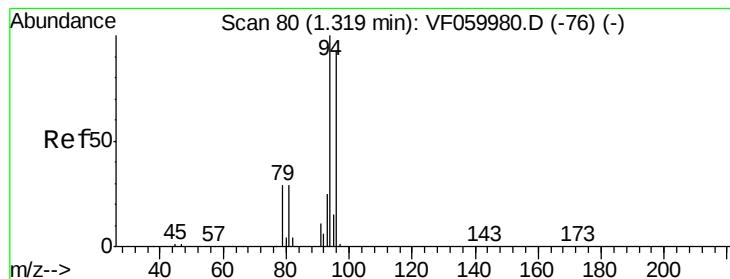
Tgt Ion: 62 Resp: 28642

Ion Ratio Lower Upper

62 100

64 29.4 28.7 43.1





#5

Bromomethane

Concen: 19.246 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

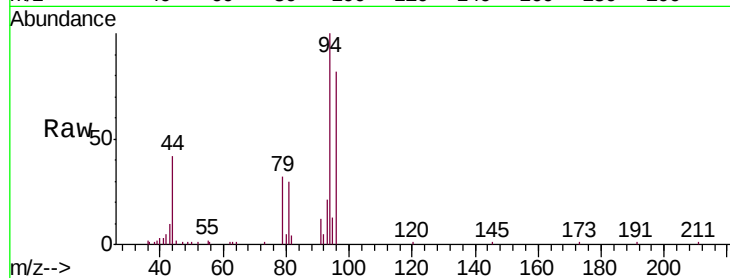
VSTDIC020

Tgt Ion: 94 Resp: 25014

Ion Ratio Lower Upper

94 100

96 81.9 73.9 110.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

20000

15000

10000

5000

0

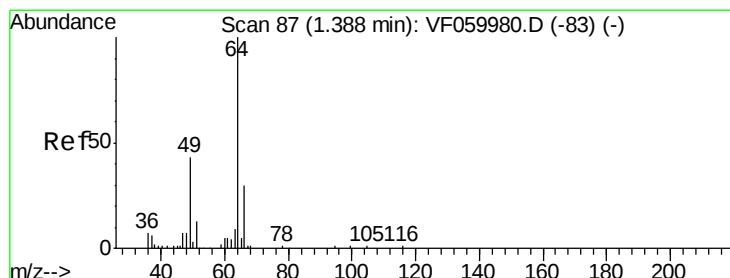
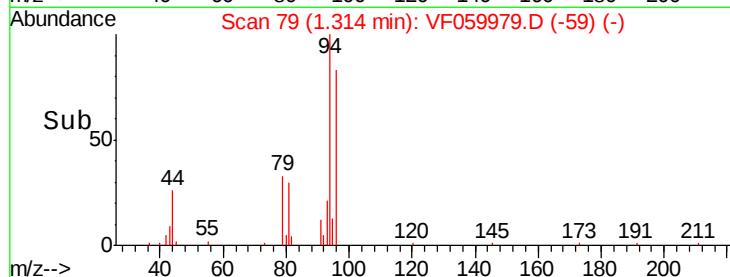
Time-->

1.20

1.30

1.40

1.50



#6

Chloroethane

Concen: 20.102 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.01 min

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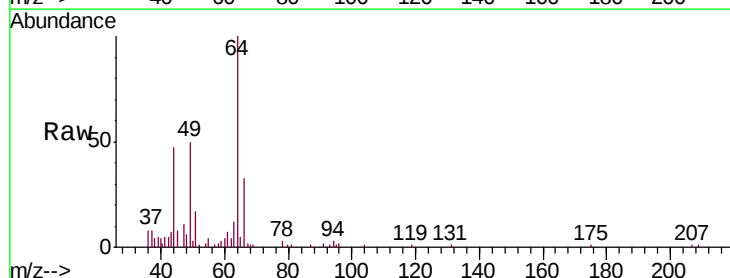
Acq: 17 Aug 2018 18:04

Tgt Ion: 64 Resp: 13951

Ion Ratio Lower Upper

64 100

66 32.9 24.4 36.6



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

12000

10000

8000

6000

4000

2000

0

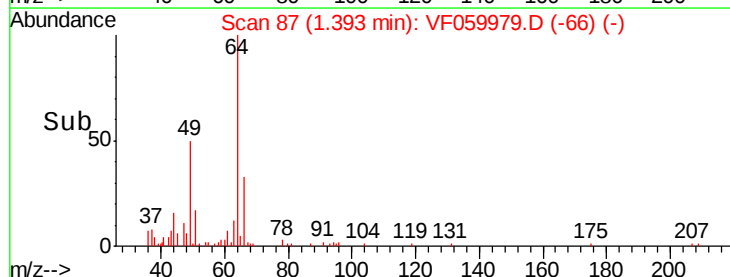
Time-->

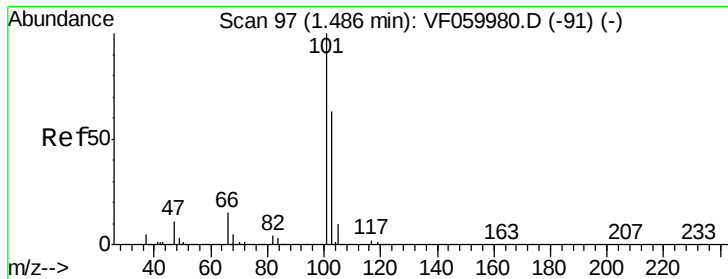
1.30

1.35

1.40

1.45



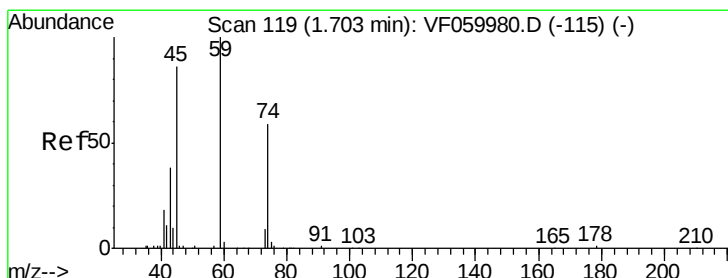
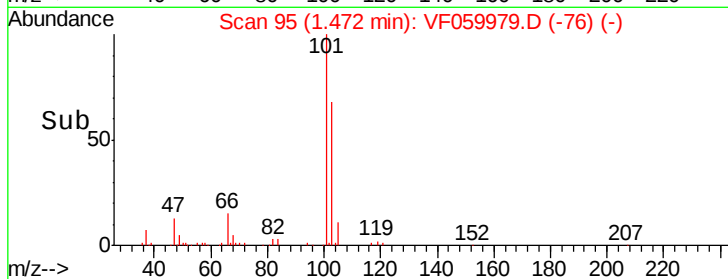
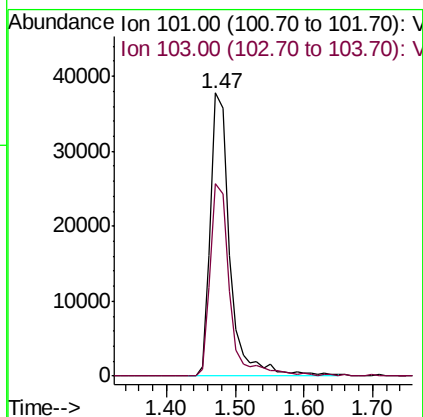
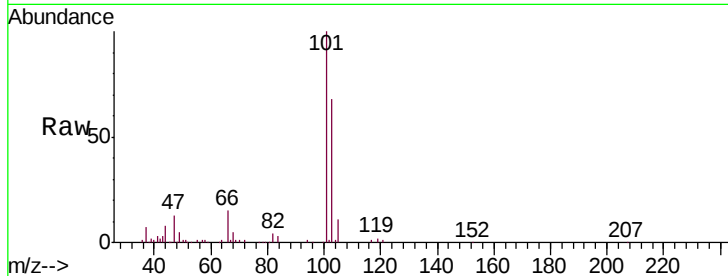


#7

Trichlorofluoromethane
 Concen: 20.798 ug/l
 RT: 1.47 min Scan# 95
 Delta R.T. -0.01 min
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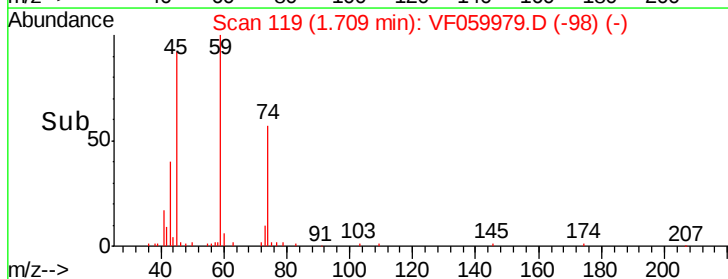
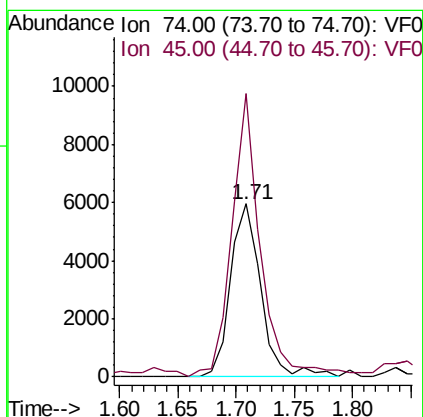
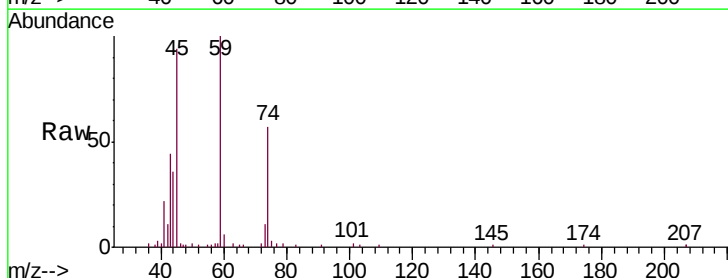
Tgt Ion: 101 Resp: 74680
 Ion Ratio Lower Upper
 101 100
 103 68.0 50.8 76.2

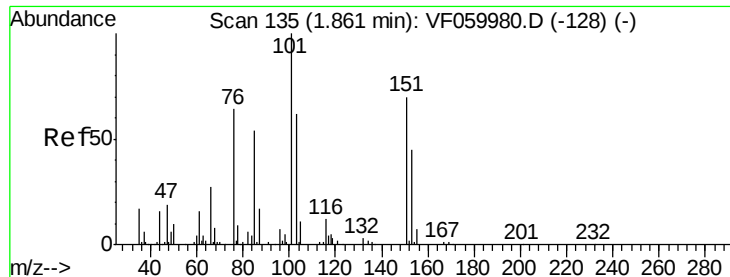


#8

Diethyl Ether
 Concen: 18.765 ug/l
 RT: 1.71 min Scan# 119
 Delta R.T. 0.01 min
 Lab File: VF059979.D
 Acq: 17 Aug 2018 18:04

Tgt Ion: 74 Resp: 10766
 Ion Ratio Lower Upper
 74 100
 45 163.7 73.5 220.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.876 ug/l

RT: 1.86 min Scan# 134

Delta R.T. -0.00 min

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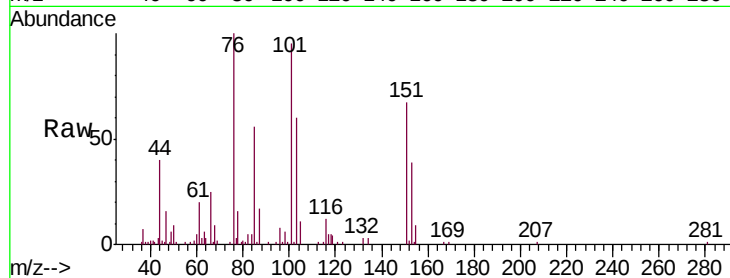
Tgt Ion:101 Resp: 37622

Ion Ratio Lower Upper

101 100

85 58.7 43.0 64.6

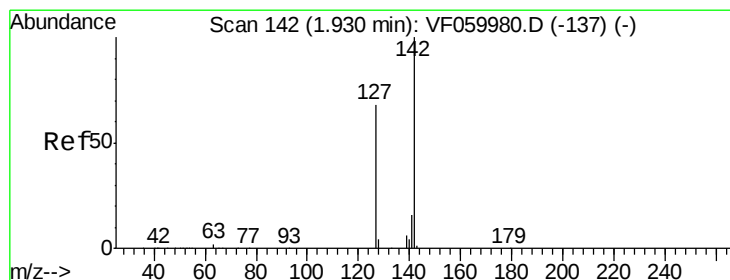
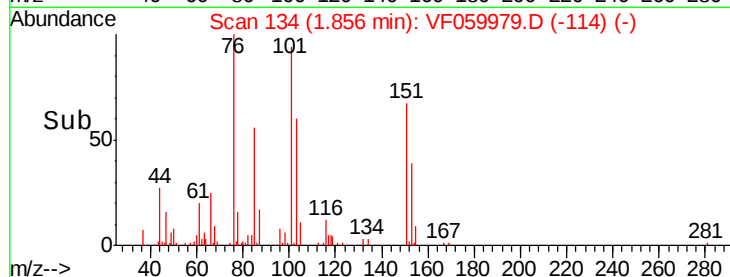
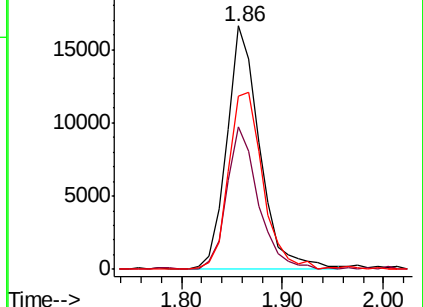
151 71.1 56.2 84.2



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: 20.343 ug/l

RT: 1.93 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

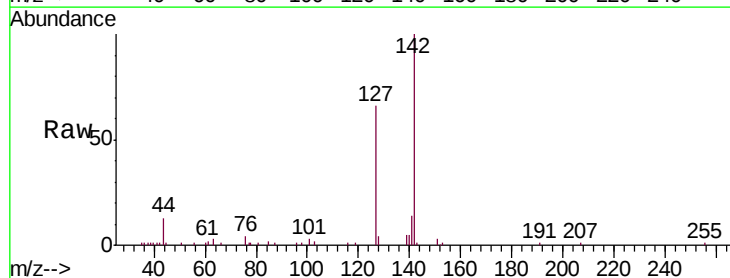
Tgt Ion:142 Resp: 46717

Ion Ratio Lower Upper

142 100

127 66.1 54.1 81.1

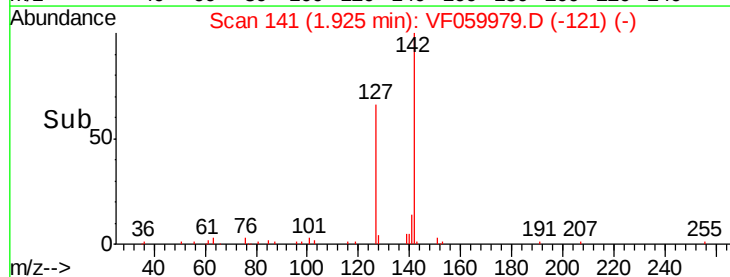
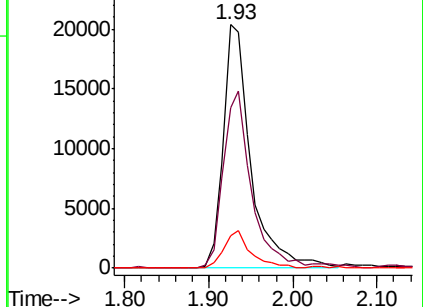
141 13.5 12.5 18.7

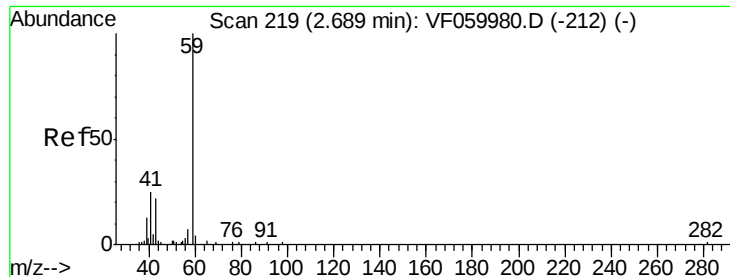


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

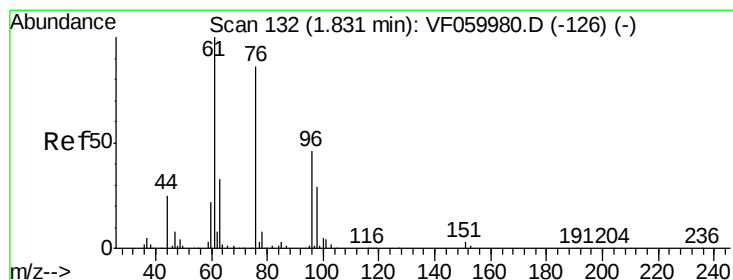
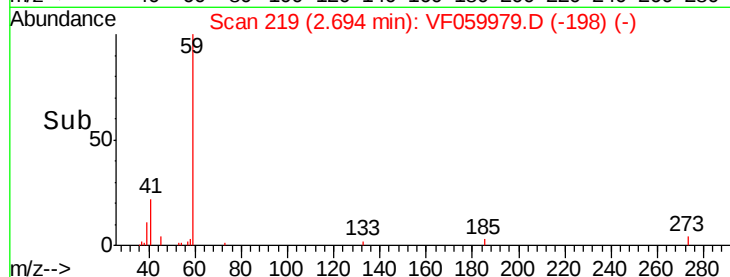
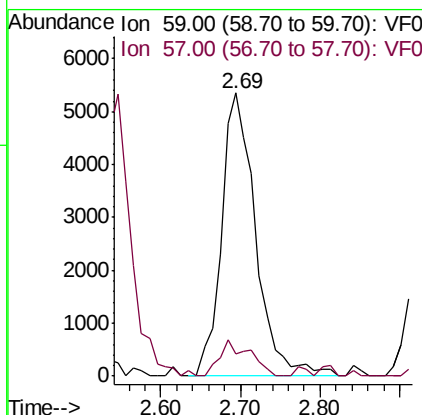
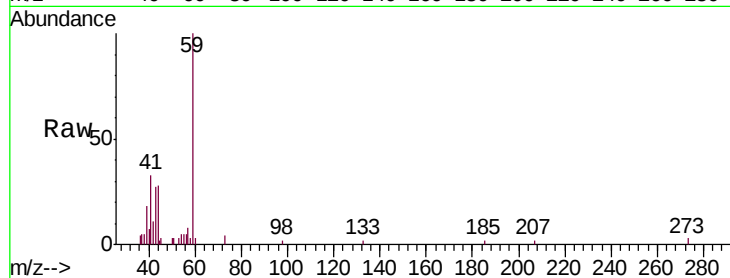




#11
Tert butyl alcohol
Concen: 100.882 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059979.D
Acq: 17 Aug 2018 18:04

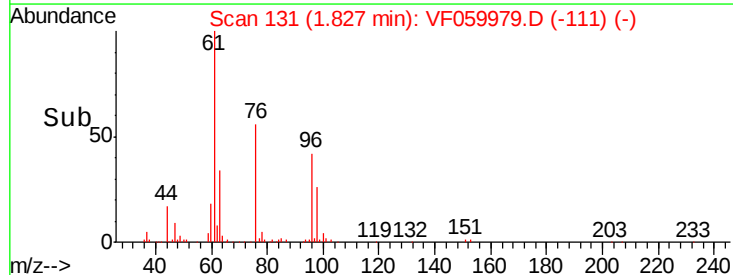
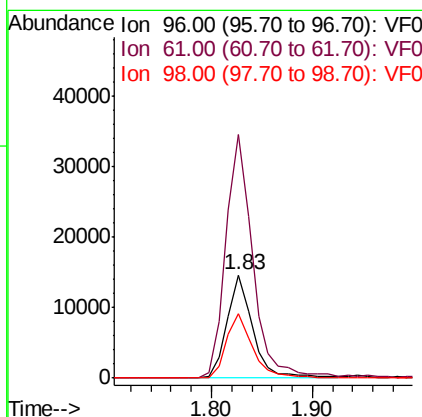
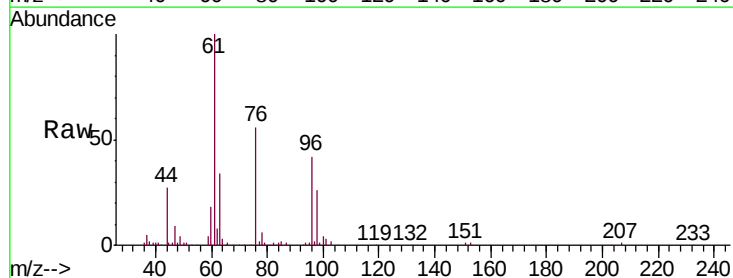
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

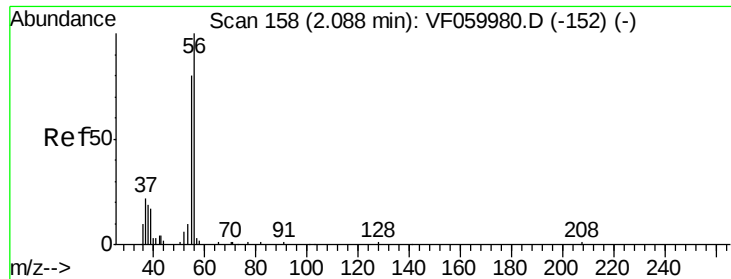
Tgt Ion: 59 Resp: 16059
Ion Ratio Lower Upper
59 100
57 8.0 6.8 10.2



#12
1,1-Dichloroethene
Concen: 20.847 ug/l
RT: 1.83 min Scan# 131
Delta R.T. -0.00 min
Lab File: VF059979.D
Acq: 17 Aug 2018 18:04

Tgt Ion: 96 Resp: 26016
Ion Ratio Lower Upper
96 100
61 236.5 175.6 263.4
98 62.3 50.6 75.8





#13

Acrolein

Concen: 69.517 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.01 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

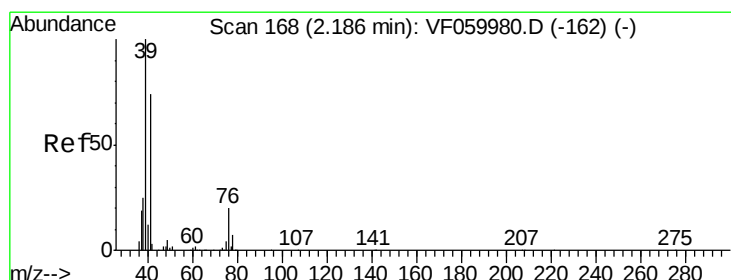
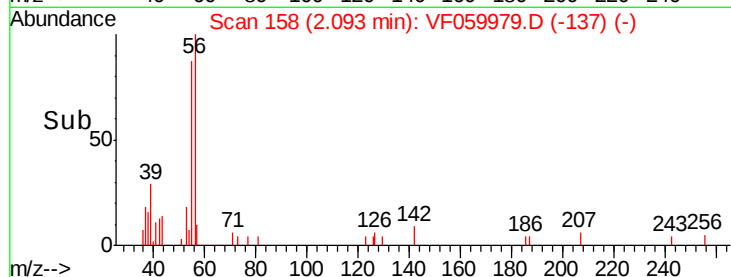
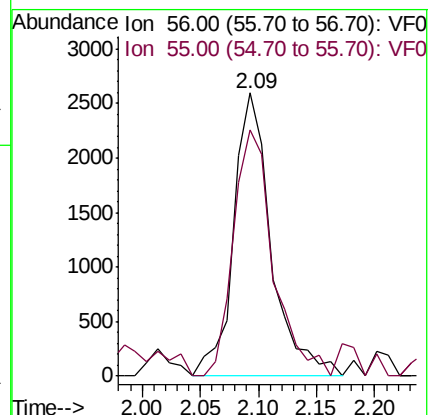
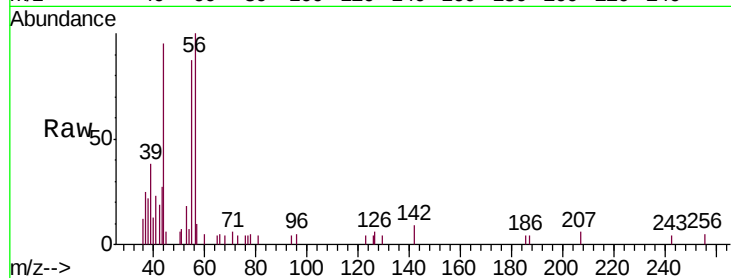
VSTDIC020

Tgt Ion: 56 Resp: 5846

Ion Ratio Lower Upper

56 100

55 87.1 63.8 95.6



#14

Allyl chloride

Concen: 20.012 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.01 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

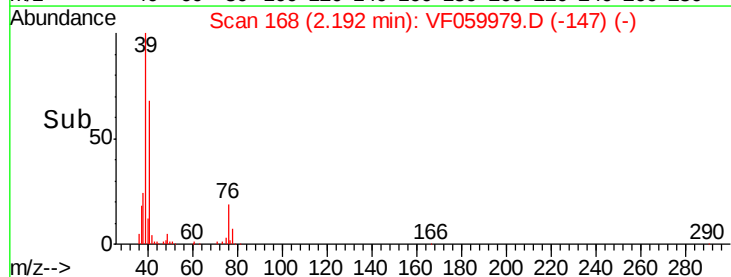
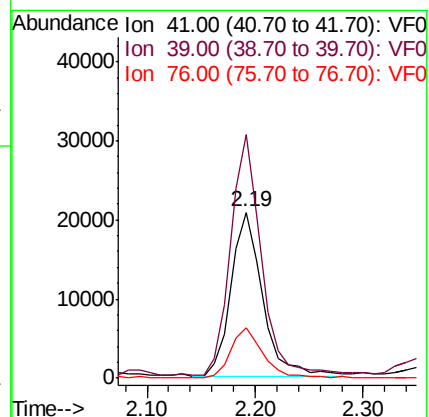
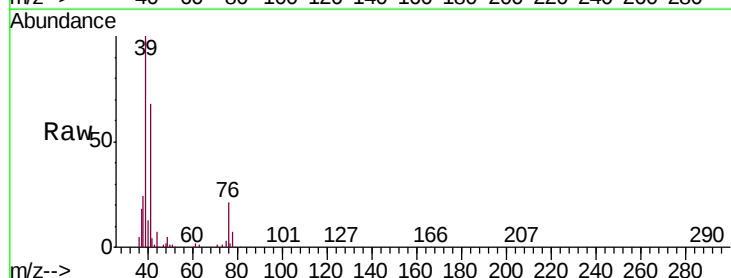
Tgt Ion: 41 Resp: 42389

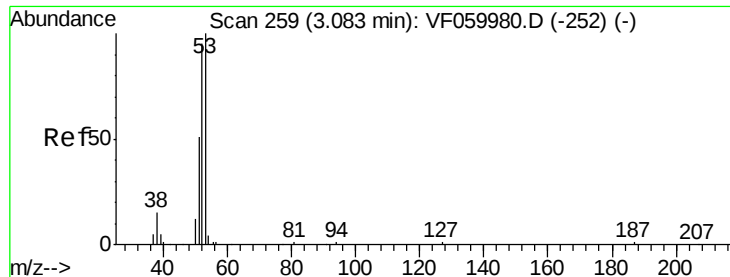
Ion Ratio Lower Upper

41 100

39 146.5 109.3 163.9

76 30.1 21.3 31.9

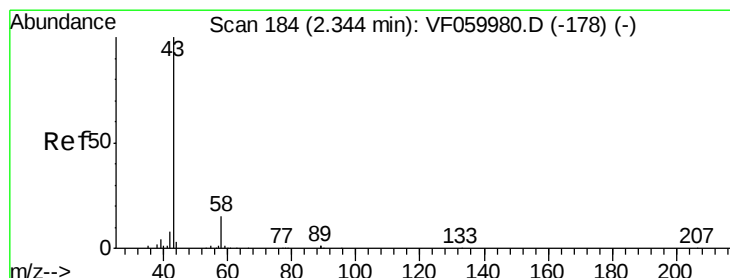
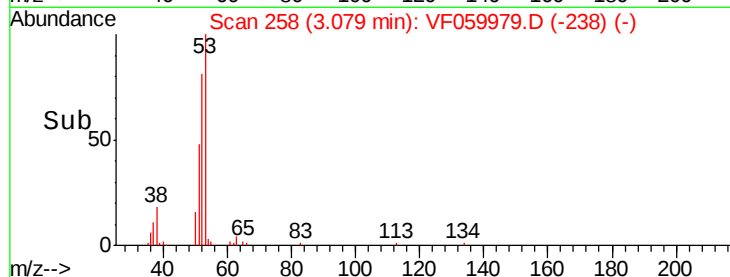
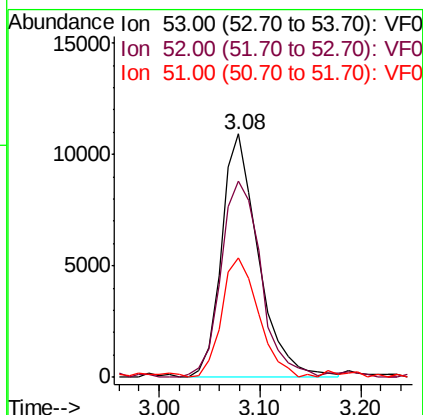
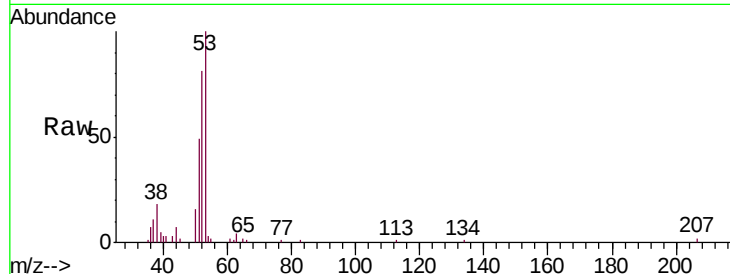




#15
 Acrylonitrile
 Concen: 104.903 ug/l
 RT: 3.08 min Scan# 258
 Delta R.T. -0.00 min
 Lab File: VF059979.D
 Acq: 17 Aug 2018 18:04

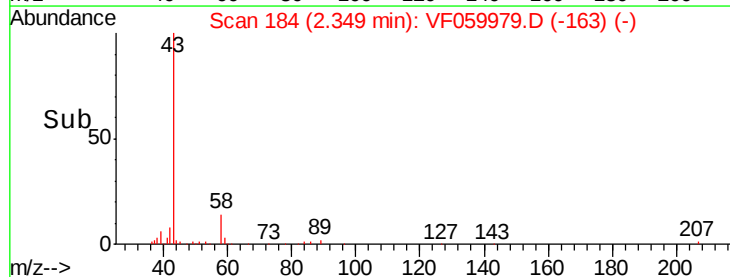
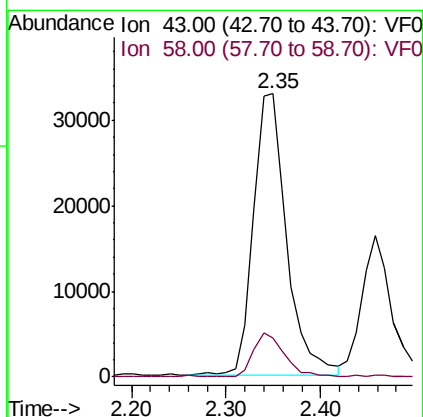
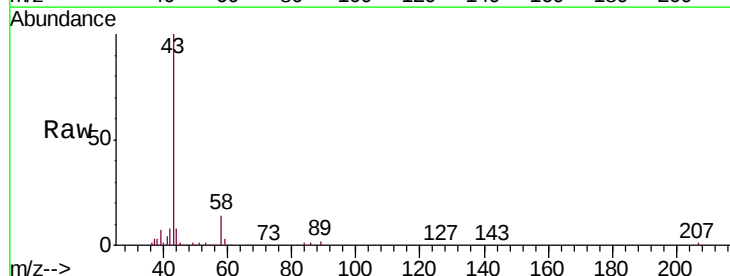
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

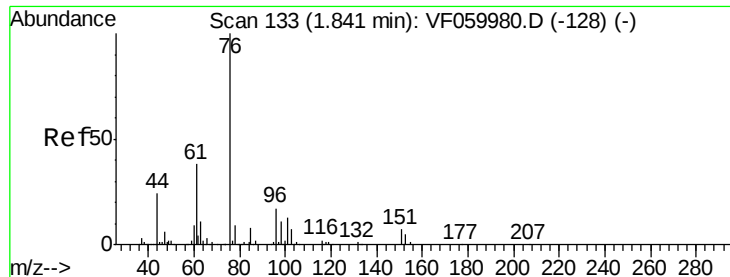
Tgt Ion: 53 Resp: 27743
 Ion Ratio Lower Upper
 53 100
 52 80.8 76.0 114.0
 51 49.3 41.9 62.9



#16
 Acetone
 Concen: 96.851 ug/l
 RT: 2.35 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VF059979.D
 Acq: 17 Aug 2018 18:04

Tgt Ion: 43 Resp: 80500
 Ion Ratio Lower Upper
 43 100
 58 13.6 11.9 17.9

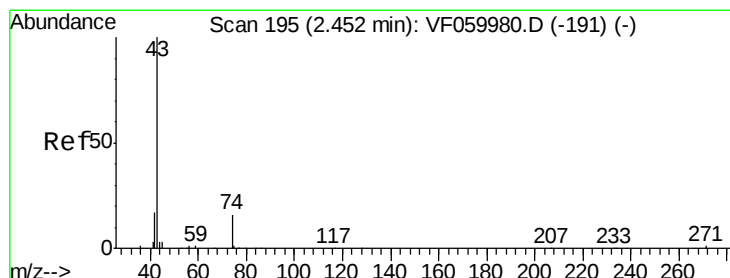
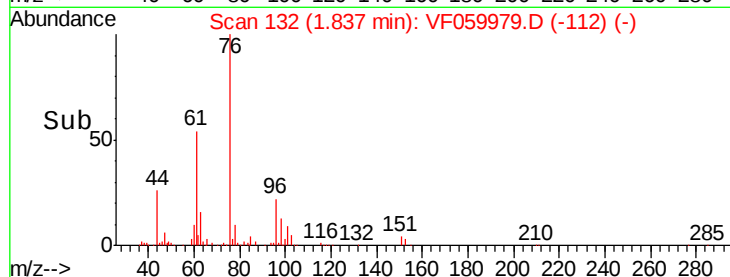
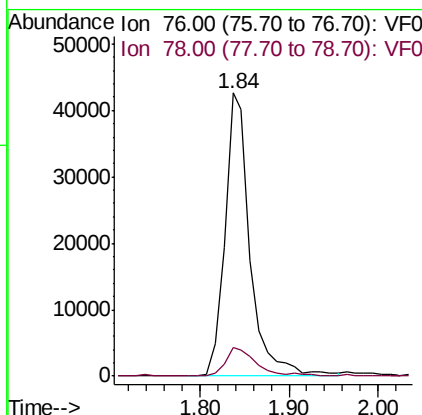
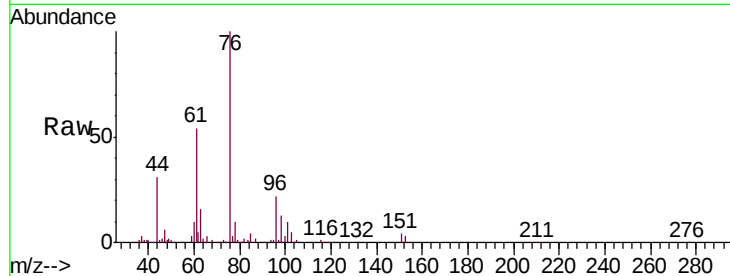




#17
Carbon Disulfide
Concen: 21.372 ug/l
RT: 1.84 min Scan# 132
Delta R.T. -0.00 min
Lab File: VF059979.D
Acq: 17 Aug 2018 18:04

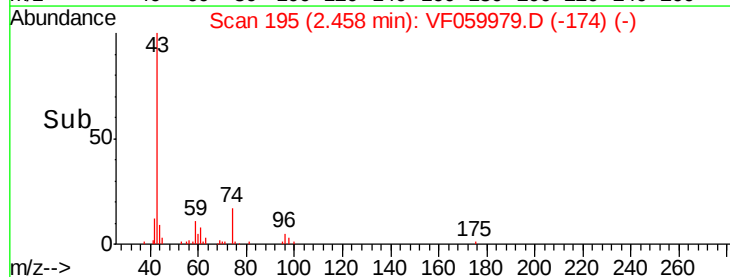
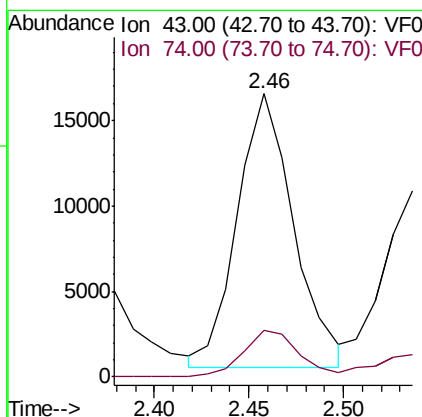
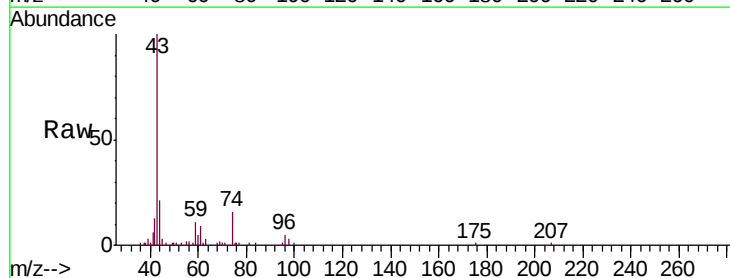
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

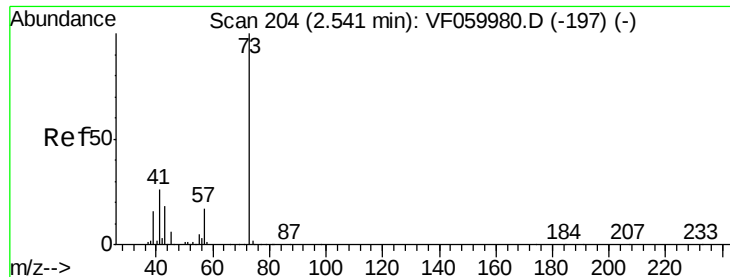
Tgt Ion: 76 Resp: 84925
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8



#18
Methyl Acetate
Concen: 20.099 ug/l
RT: 2.46 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059979.D
Acq: 17 Aug 2018 18:04

Tgt Ion: 43 Resp: 33179
Ion Ratio Lower Upper
43 100
74 16.2 12.3 18.5



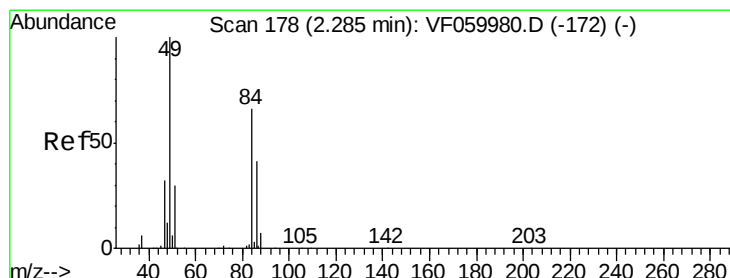
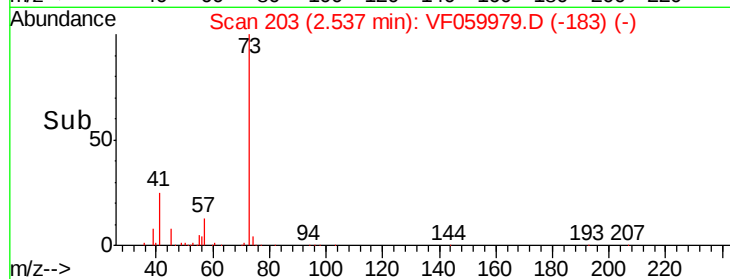
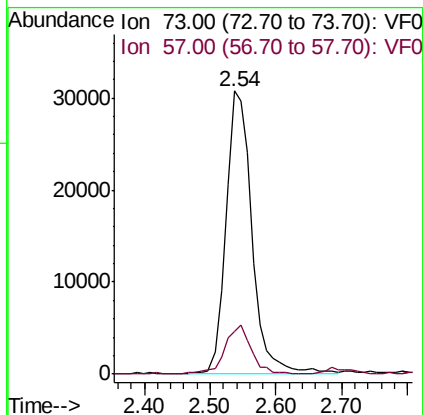
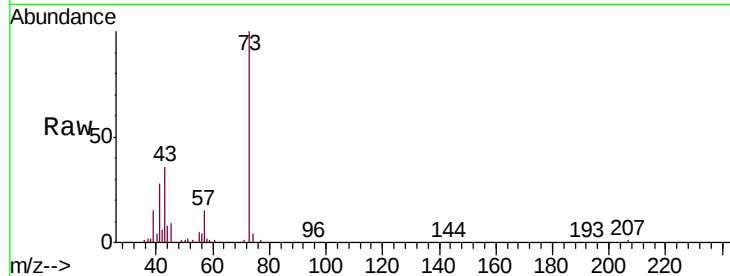


#19

Methyl tert-butyl Ether
Concen: 20.262 ug/l
RT: 2.54 min Scan# 203
Delta R.T. -0.00 min
Lab File: VF059979.D
Acq: 17 Aug 2018 18:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

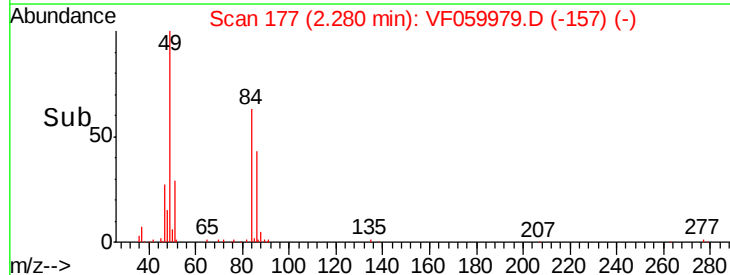
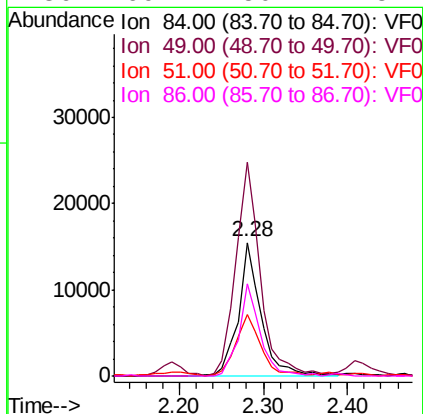
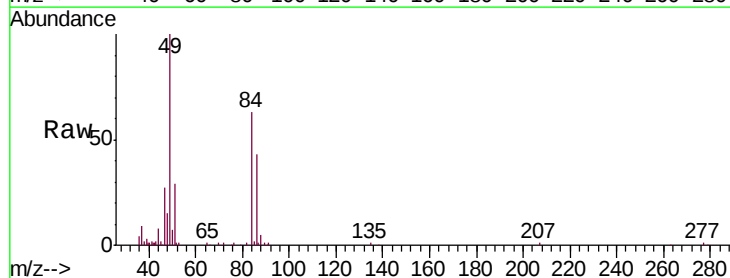
Tgt Ion: 73 Resp: 85403
Ion Ratio Lower Upper
73 100
57 15.2 14.2 21.2

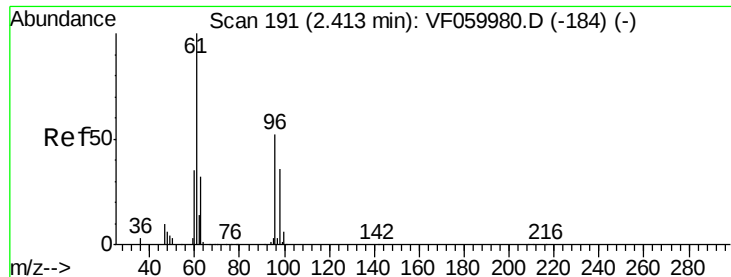


#20

Methylene Chloride
Concen: 16.590 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF059979.D
Acq: 17 Aug 2018 18:04

Tgt Ion: 84 Resp: 29074
Ion Ratio Lower Upper
84 100
49 159.7 122.5 183.7
51 45.7 37.1 55.7
86 69.2 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 20.948 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.01 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

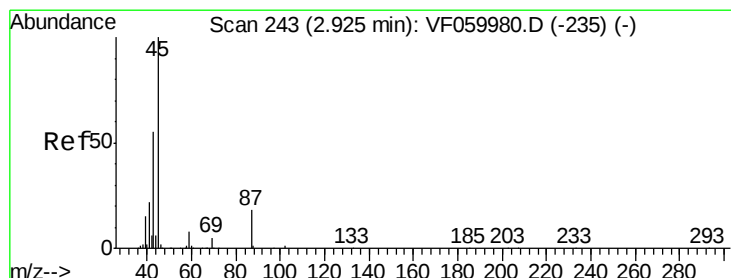
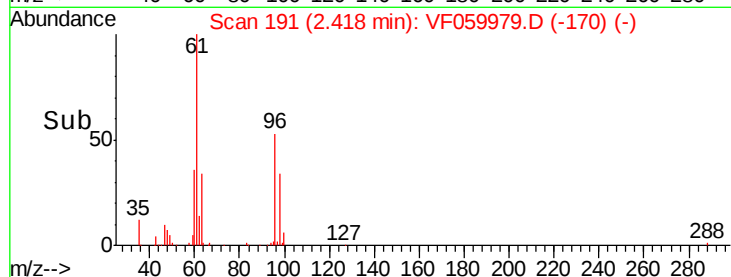
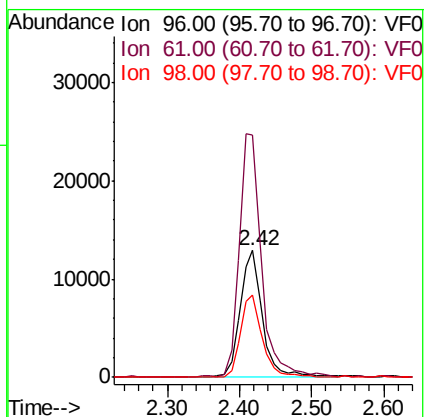
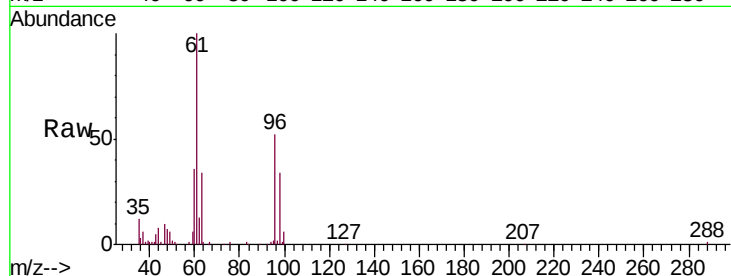
Tgt Ion: 96 Resp: 27872

Ion Ratio Lower Upper

96 100

61 191.0 153.0 229.4

98 64.9 55.5 83.3



#22

Diisopropyl ether

Concen: 20.319 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.01 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Tgt Ion: 45 Resp: 92930

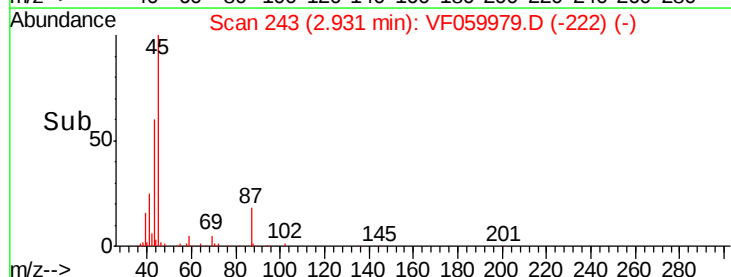
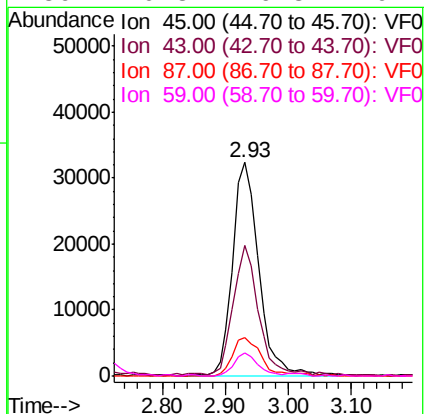
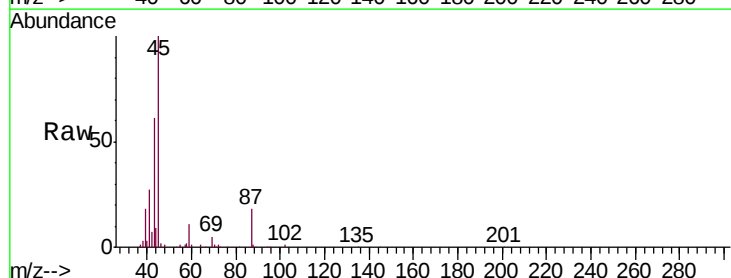
Ion Ratio Lower Upper

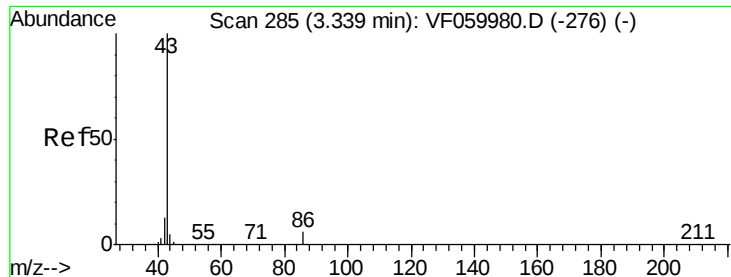
45 100

43 61.4 44.8 67.2

87 17.9 14.6 21.8

59 10.8 6.8 10.2#





#23

Vinyl Acetate

Concen: 96.611 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

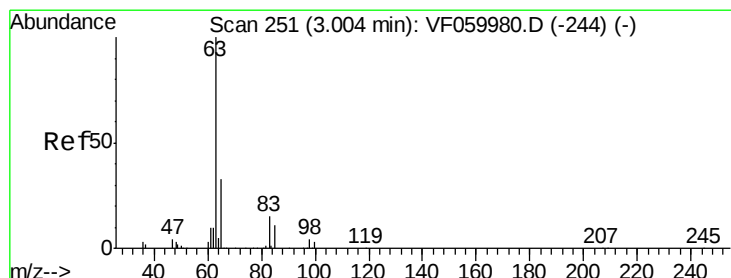
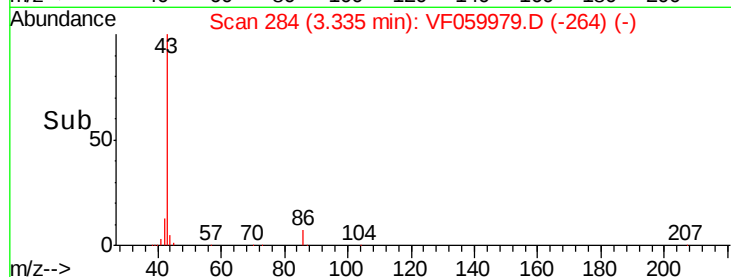
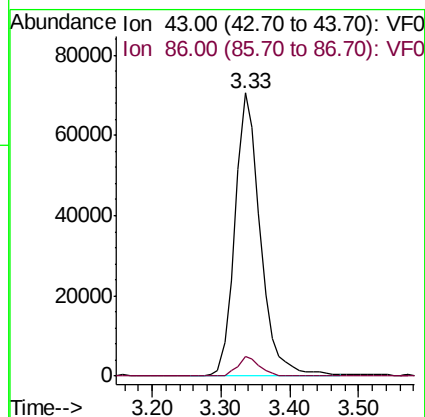
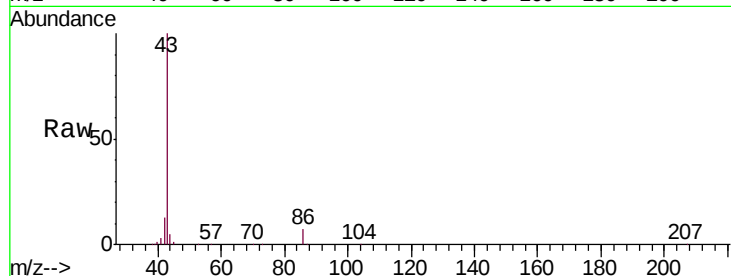
VSTDIC020

Tgt Ion: 43 Resp: 181002

Ion Ratio Lower Upper

43 100

86 6.8 4.4 6.6#



#24

1,1-Dichloroethane

Concen: 21.147 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.01 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

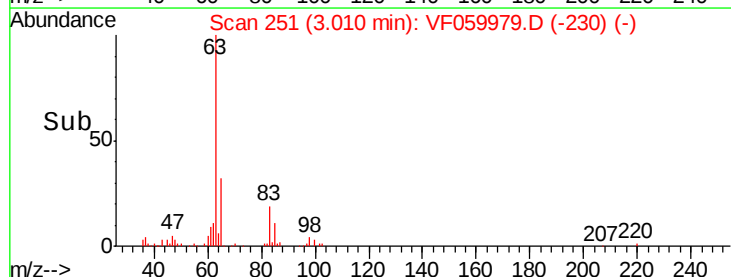
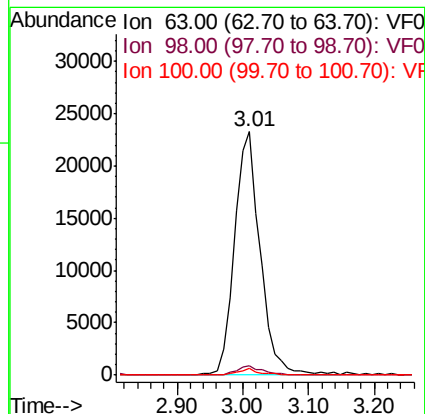
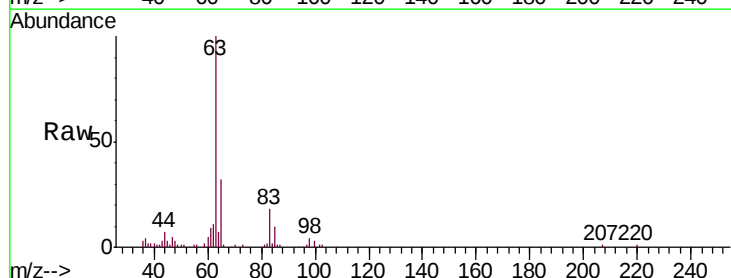
Tgt Ion: 63 Resp: 63649

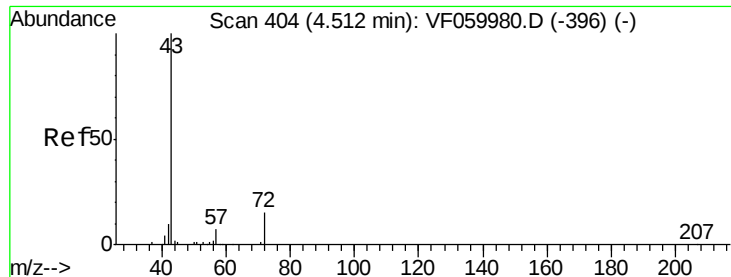
Ion Ratio Lower Upper

63 100

98 3.7 2.0 5.8

100 2.5 1.4 4.2





#25

2-Butanone

Concen: 101.209 ug/l

RT: 4.52 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

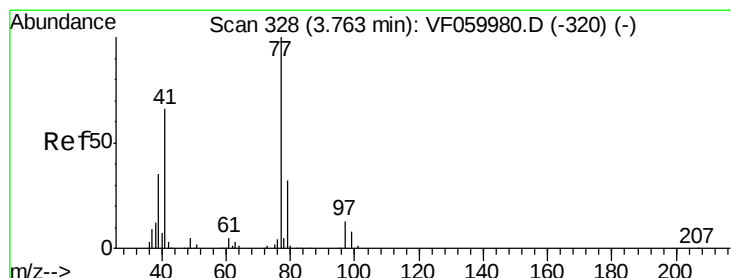
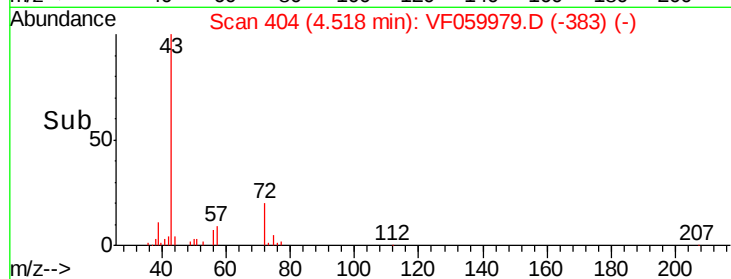
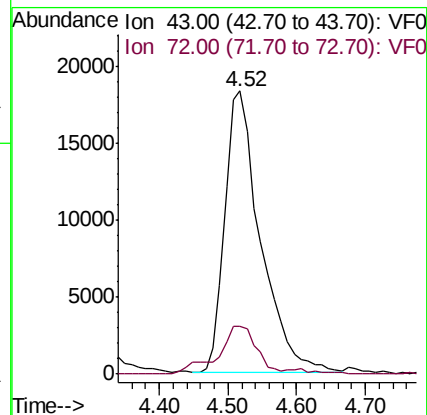
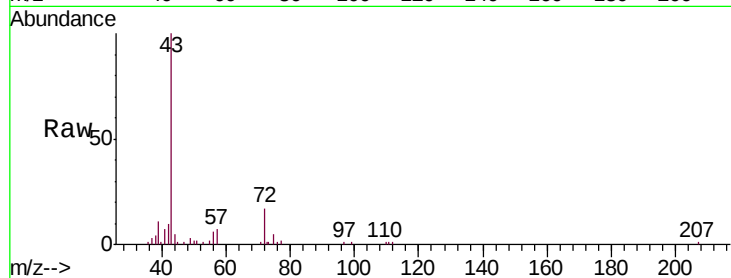
VSTDIC020

Tgt Ion: 43 Resp: 65808

Ion Ratio Lower Upper

43 100

72 17.0 12.5 18.7



#26

2,2-Dichloropropane

Concen: 20.608 ug/l

RT: 3.77 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF059979.D

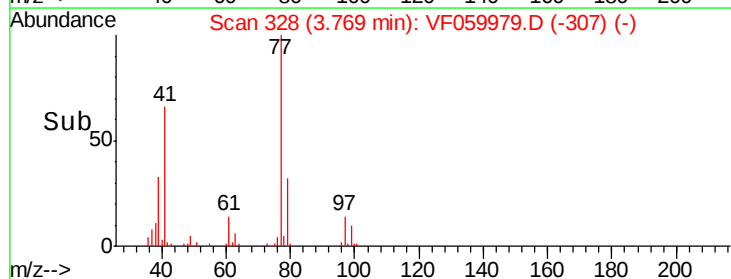
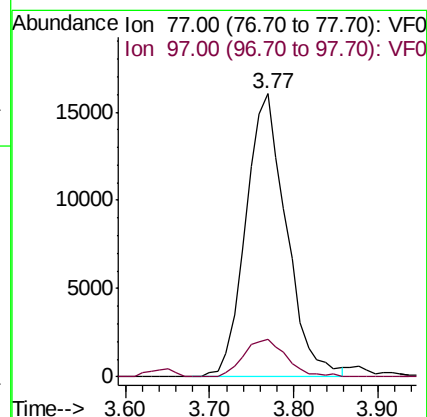
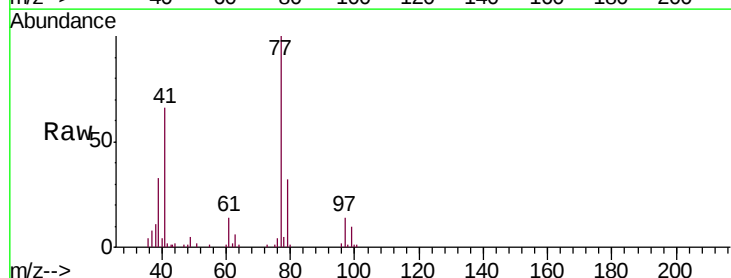
Acq: 17 Aug 2018 18:04

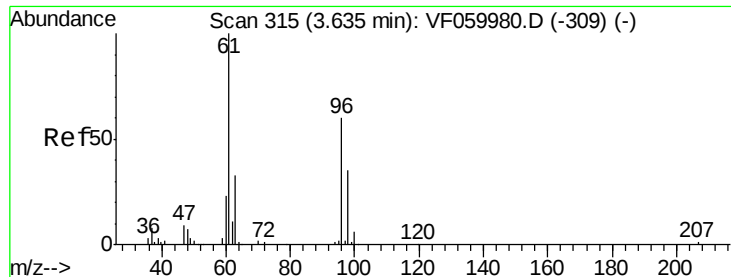
Tgt Ion: 77 Resp: 54133

Ion Ratio Lower Upper

77 100

97 13.5 6.7 20.0



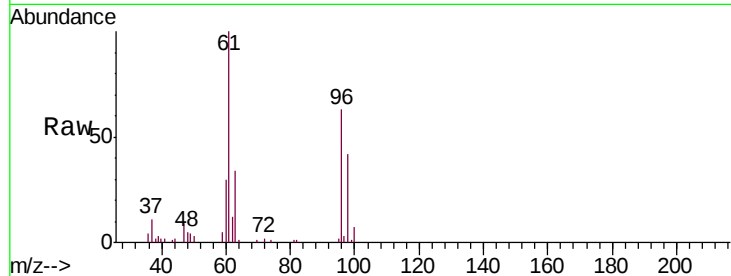


#27

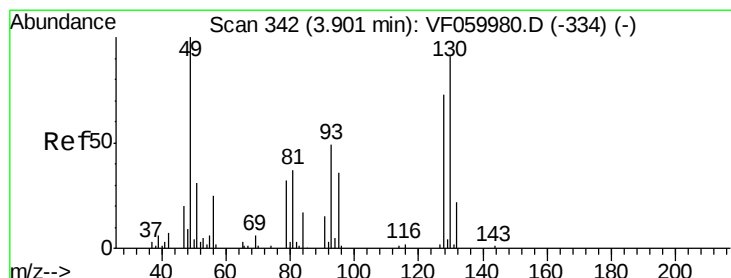
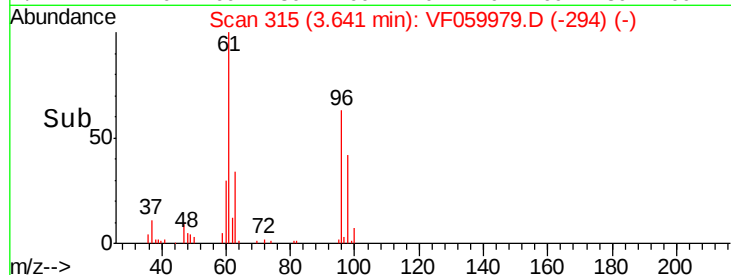
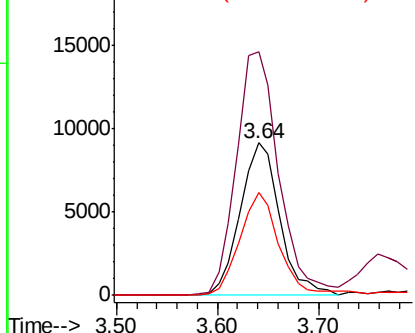
cis-1,2-Dichloroethene
 Concen: 20.659 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. 0.01 min
 Lab File: VF059979.D
 Acq: 17 Aug 2018 18:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tgt Ion: 96 Resp: 25069
 Ion Ratio Lower Upper
 96 100
 61 159.5 0.0 335.0
 98 67.5 0.0 117.2



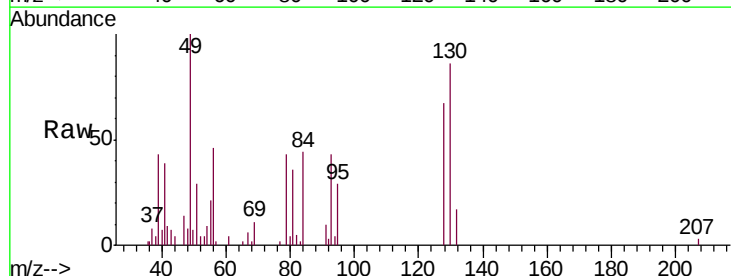
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



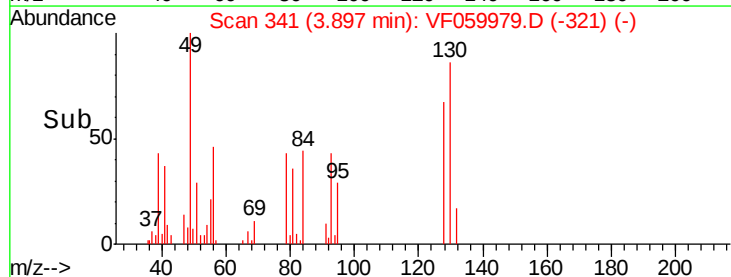
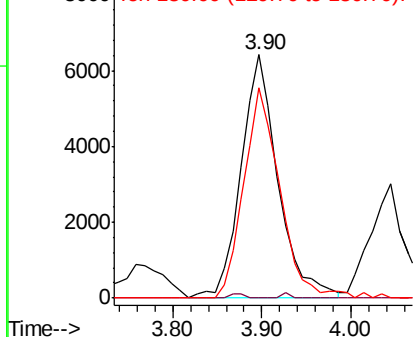
#28

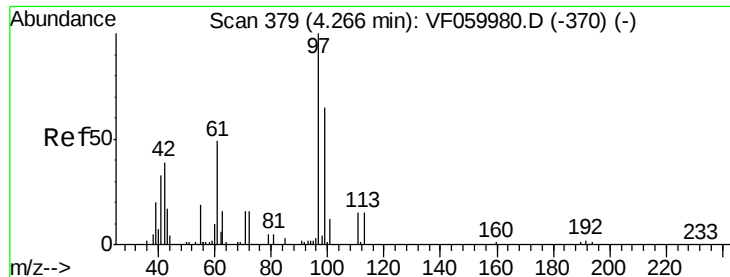
Bromochloromethane
 Concen: 21.430 ug/l
 RT: 3.90 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VF059979.D
 Acq: 17 Aug 2018 18:04

Tgt Ion: 49 Resp: 18399
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 7.6
 130 86.4 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

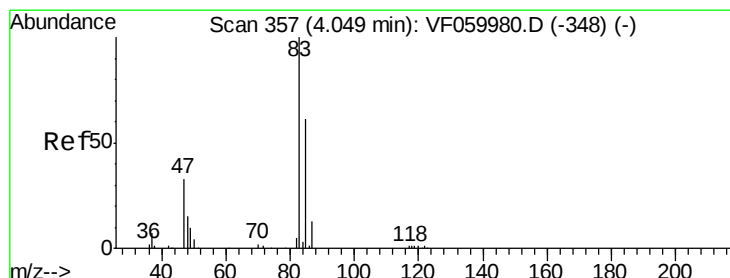
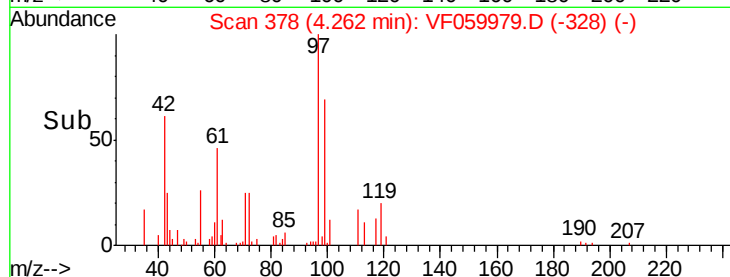
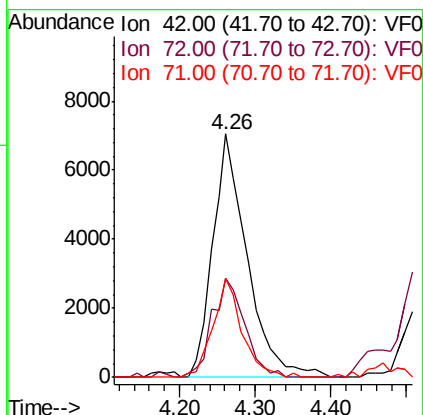
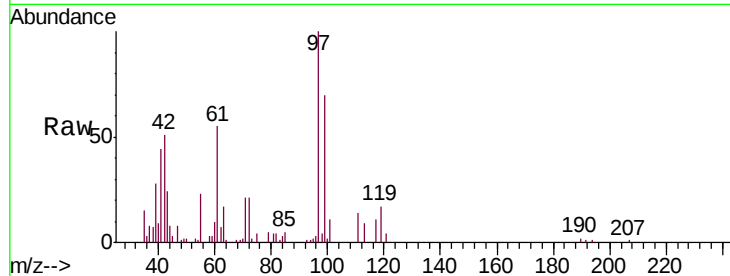




#29
Tetrahydrofuran
Concen: 95.851 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.00 min
Lab File: VF059979.D
Acq: 17 Aug 2018 18:04

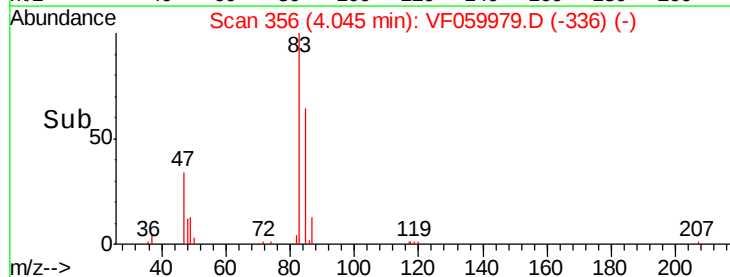
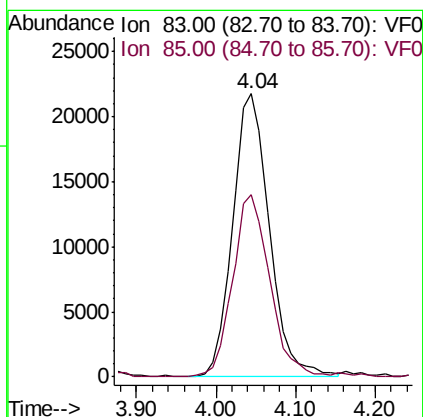
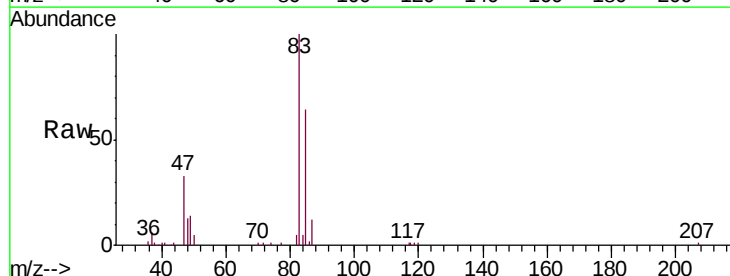
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

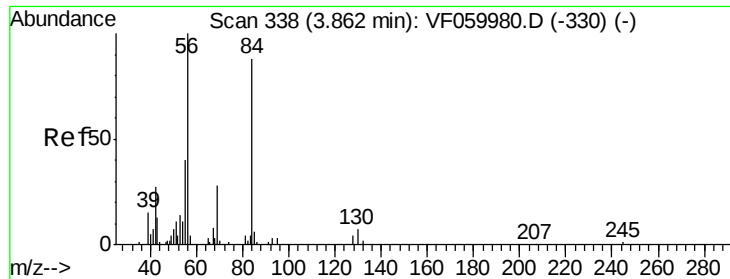
Tgt Ion: 42 Resp: 22259
Ion Ratio Lower Upper
42 100
72 38.5 29.8 44.6
71 34.7 29.0 43.4



#30
Chloroform
Concen: 20.297 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.00 min
Lab File: VF059979.D
Acq: 17 Aug 2018 18:04

Tgt Ion: 83 Resp: 69634
Ion Ratio Lower Upper
83 100
85 64.3 48.8 73.2





#31

Cyclohexane

Concen: 21.987 ug/l

RT: 3.87 min Scan# 338

Delta R.T. 0.01 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

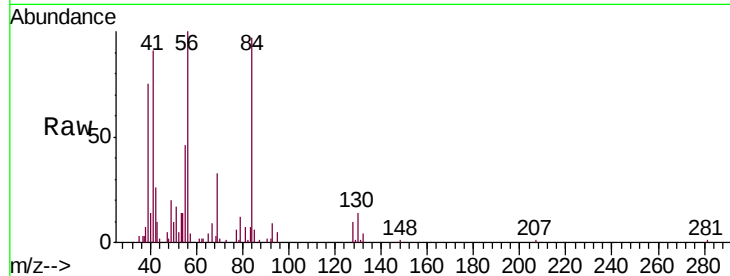
Tgt Ion: 56 Resp: 29738

Ion Ratio Lower Upper

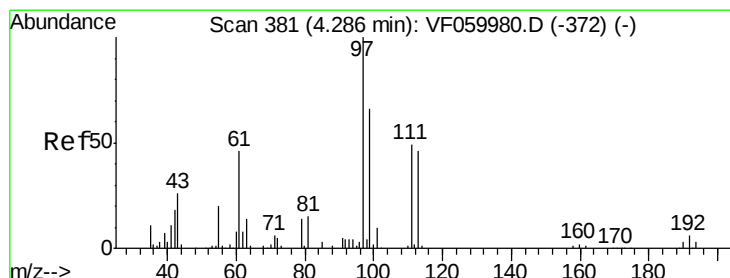
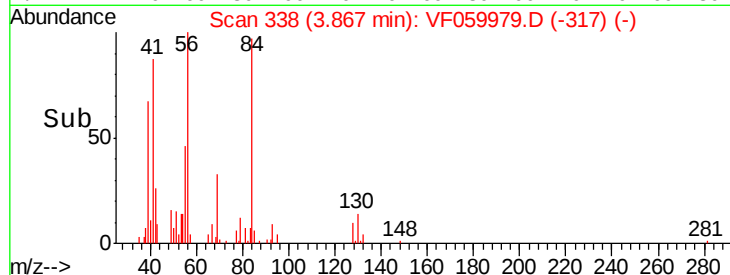
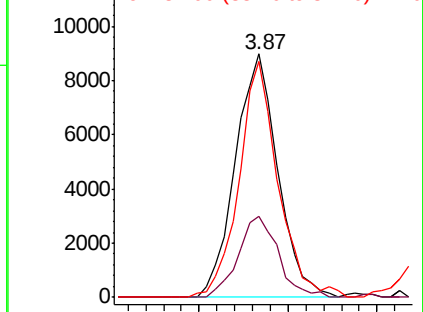
56 100

69 33.3 22.8 34.2

84 96.9 70.7 106.1



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 21.110 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

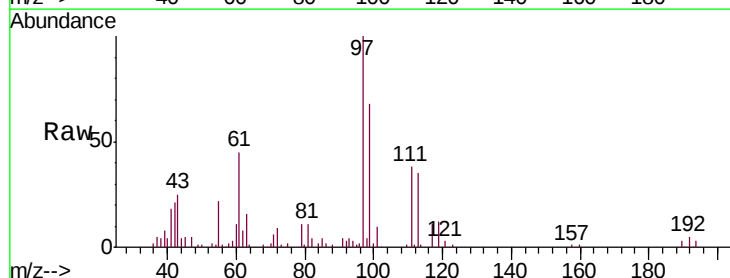
Tgt Ion: 97 Resp: 70553

Ion Ratio Lower Upper

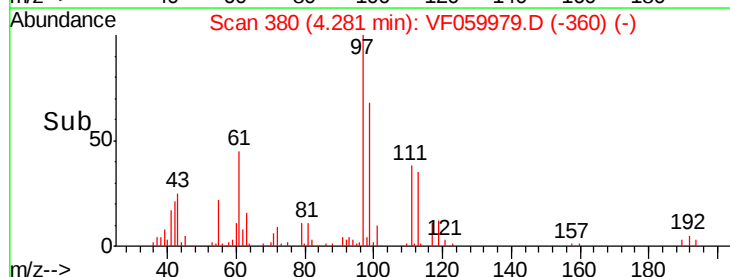
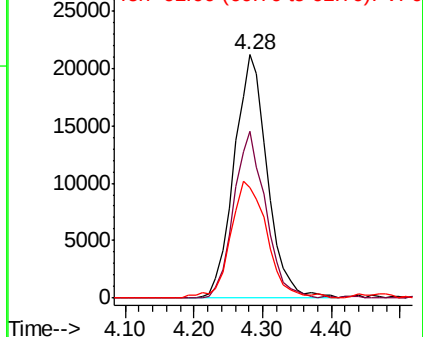
97 100

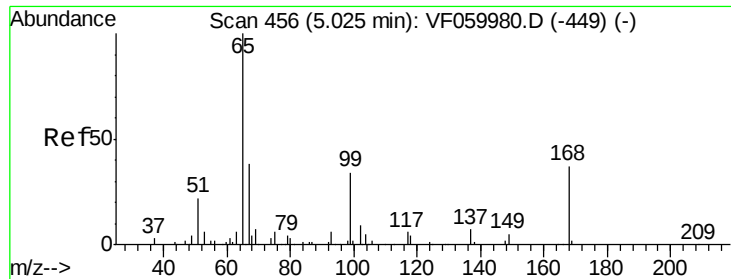
99 68.4 53.1 79.7

61 45.5 38.2 57.2



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 20.485 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

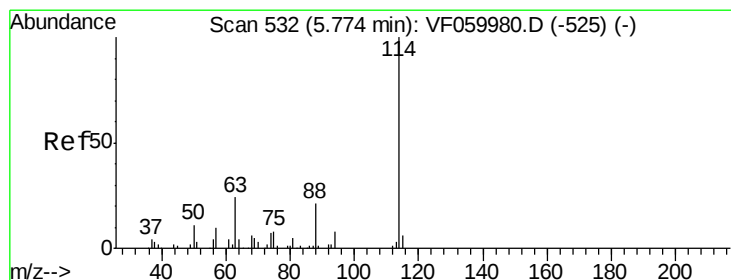
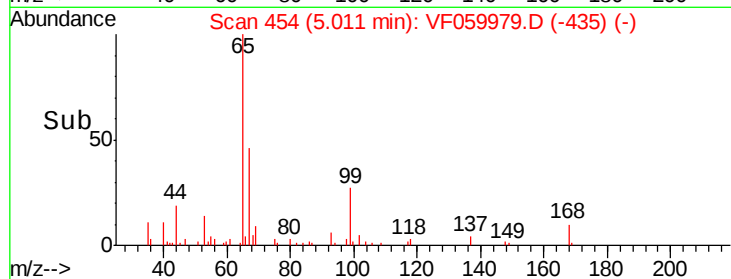
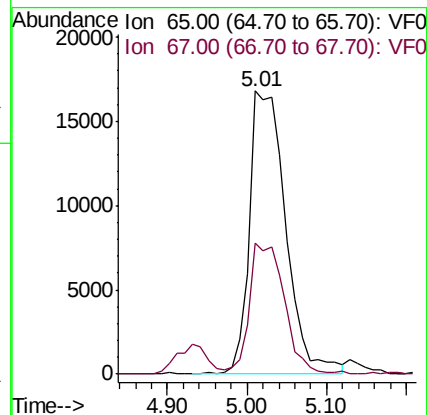
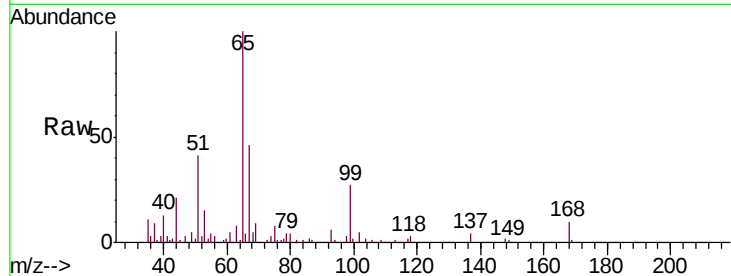
VSTDIC020

Tgt Ion: 65 Resp: 52930

Ion Ratio Lower Upper

65 100

67 46.2 0.0 82.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

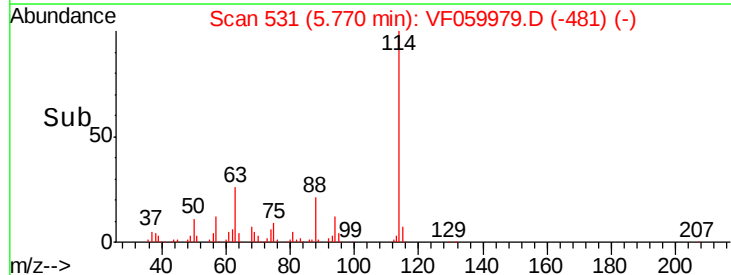
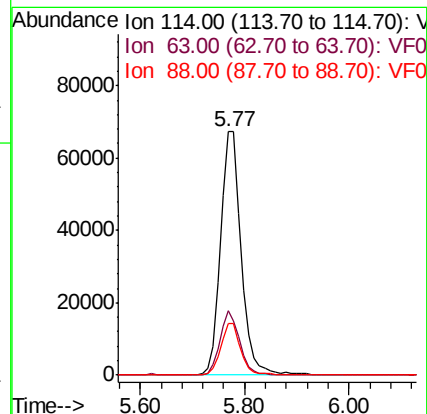
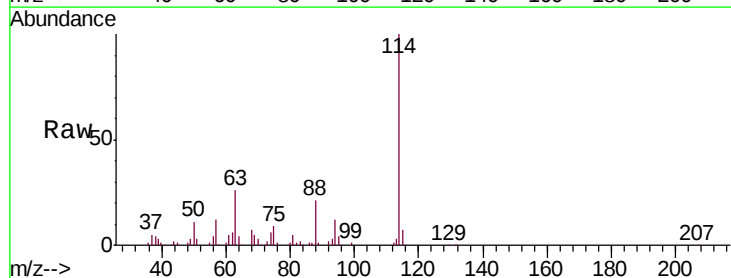
Tgt Ion: 114 Resp: 186047

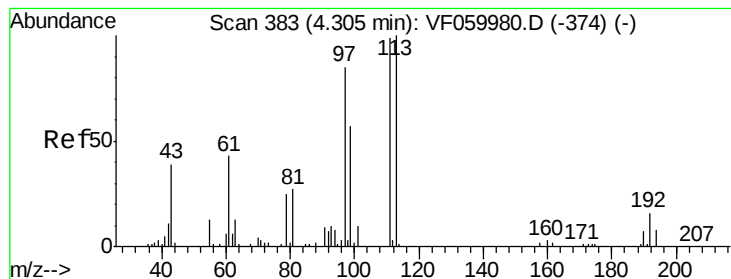
Ion Ratio Lower Upper

114 100

63 26.3 0.0 48.6

88 21.1 0.0 42.8





#35

Dibromofluoromethane

Concen: 19.947 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

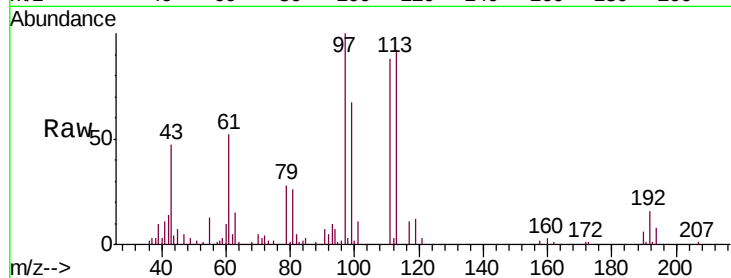
Tgt Ion: 113 Resp: 37766

Ion Ratio Lower Upper

113 100

111 96.1 79.5 119.3

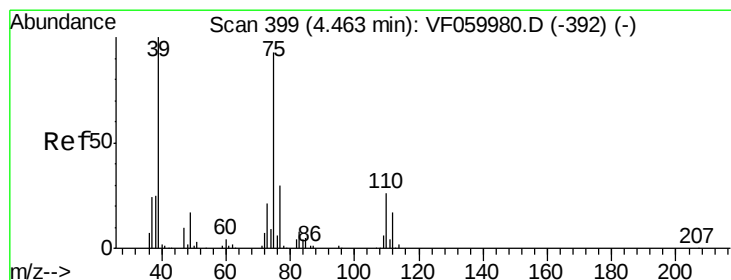
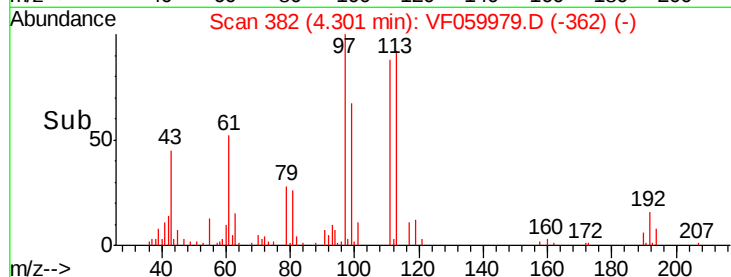
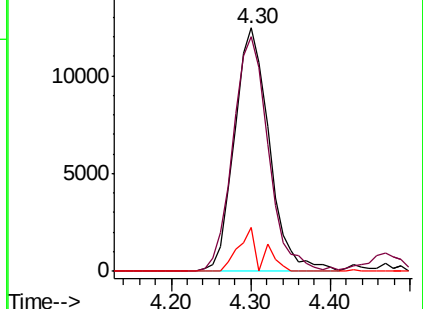
192 17.9 12.4 18.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.971 ug/l

RT: 4.47 min Scan# 399

Delta R.T. 0.01 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

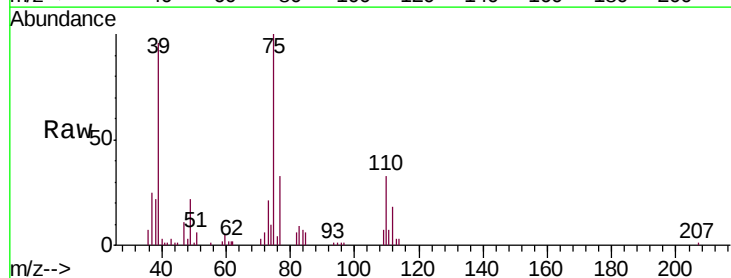
Tgt Ion: 75 Resp: 44026

Ion Ratio Lower Upper

75 100

110 32.6 13.8 41.4

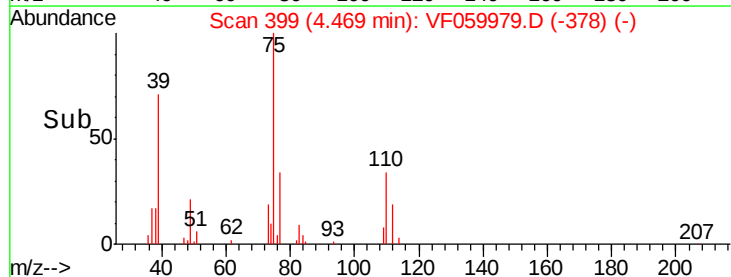
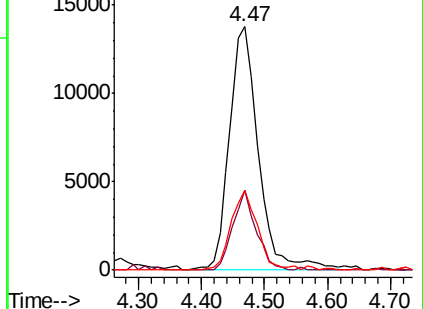
77 32.8 25.8 38.8

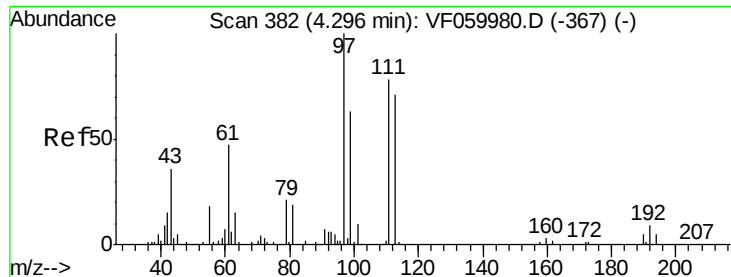


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 19.969 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

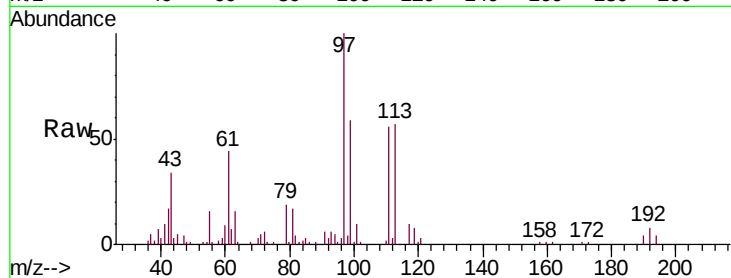
Tgt Ion: 43 Resp: 24722

Ion Ratio Lower Upper

43 100

61 130.0 104.5 156.7

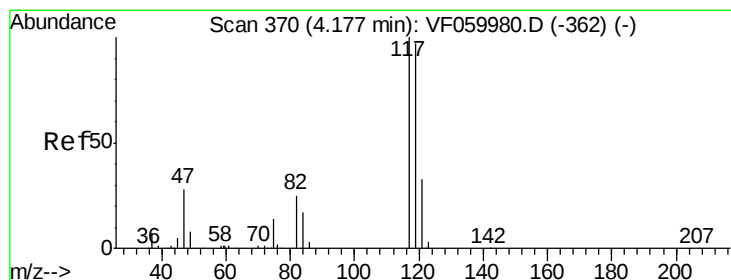
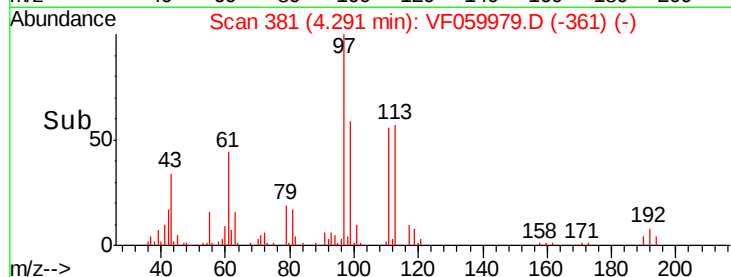
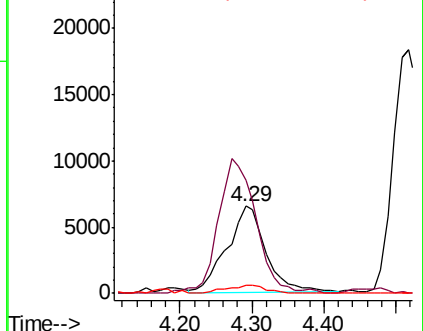
70 9.0 5.9 8.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 21.996 ug/l

RT: 4.17 min Scan# 369

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

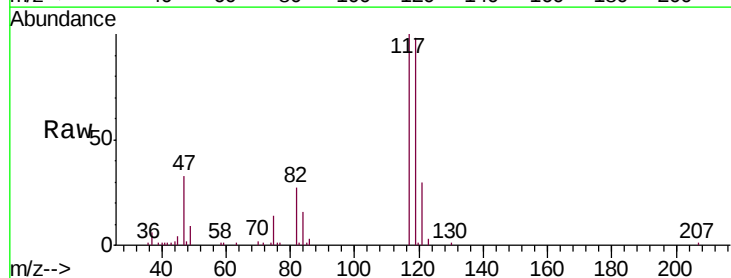
Tgt Ion: 117 Resp: 66349

Ion Ratio Lower Upper

117 100

119 97.7 77.8 116.6

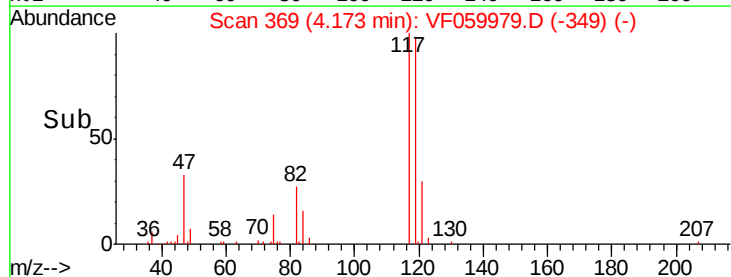
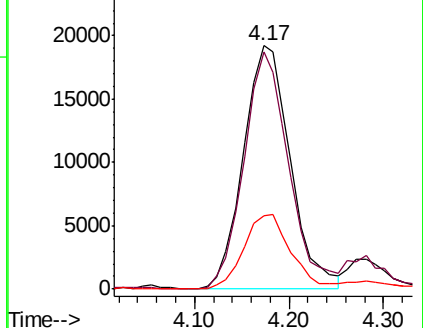
121 30.0 26.0 39.0

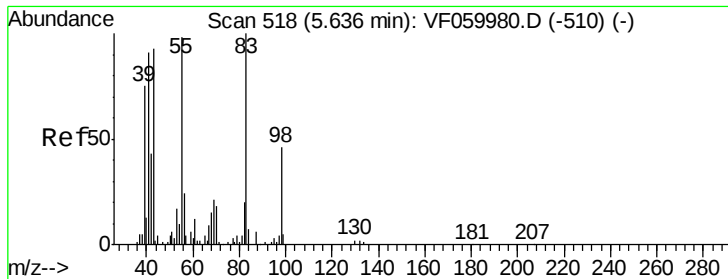


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

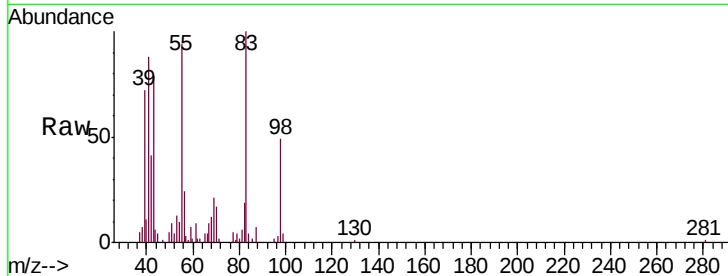




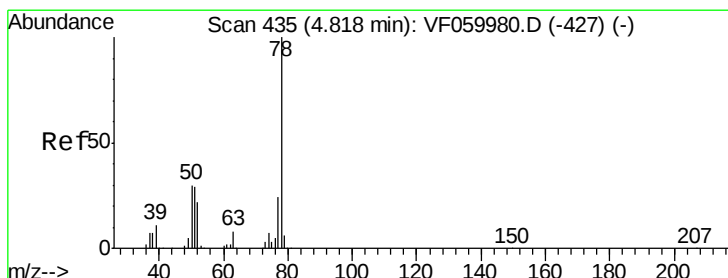
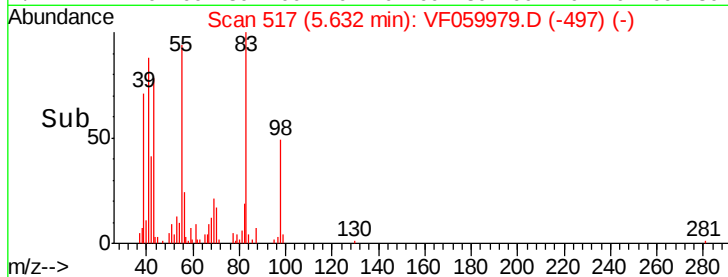
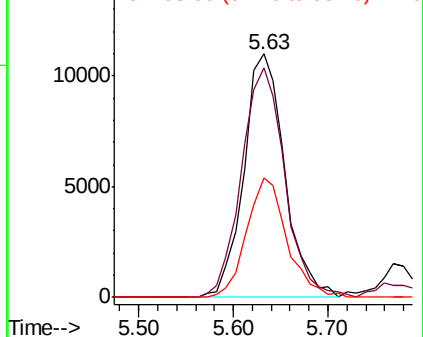
#39
Methylcyclohexane
Concen: 20.749 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.00 min
Lab File: VF059979.D
Acq: 17 Aug 2018 18:04

Instrument :
MSVOA_F
ClientSampled :
VSTDIC020

Tgt Ion: 83 Resp: 32993
Ion Ratio Lower Upper
83 100
55 94.3 78.8 118.2
98 48.9 36.8 55.2

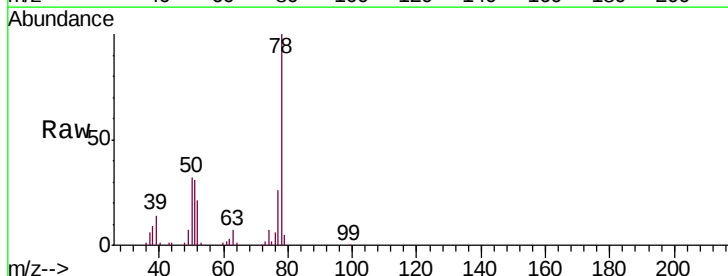


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

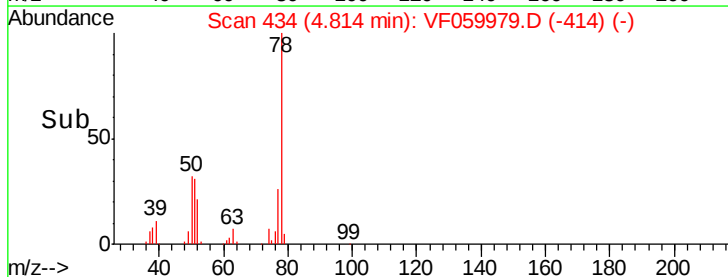
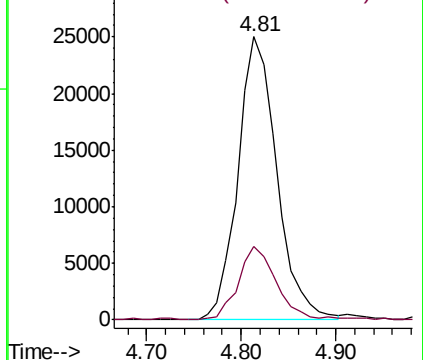


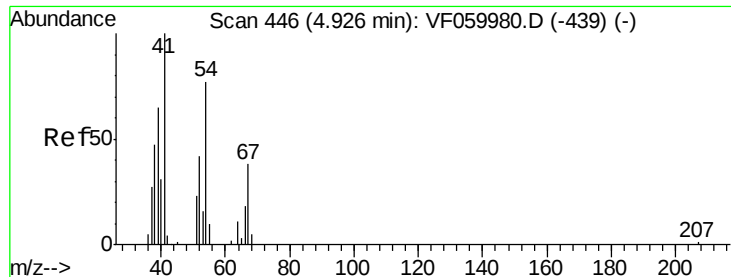
#40
Benzene
Concen: 19.994 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF059979.D
Acq: 17 Aug 2018 18:04

Tgt Ion: 78 Resp: 71417
Ion Ratio Lower Upper
78 100
77 26.1 19.1 28.7



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

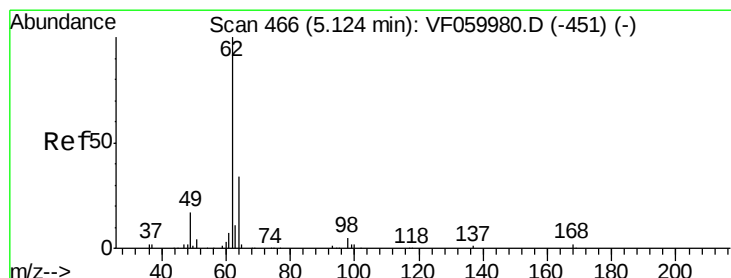
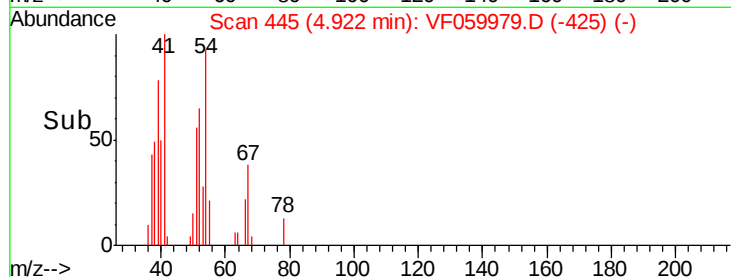
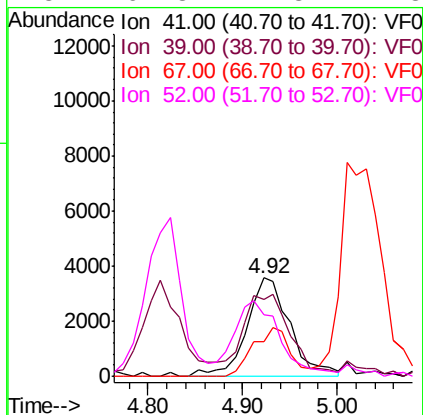
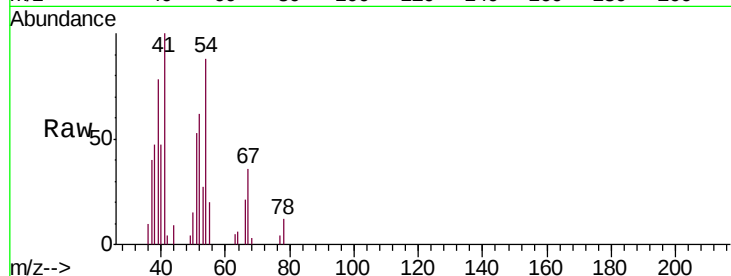




#41
Methacrylonitrile
Concen: 19.289 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.00 min
Lab File: VF059979.D
Acq: 17 Aug 2018 18:04

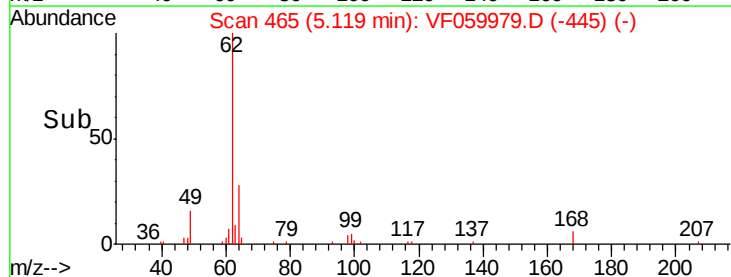
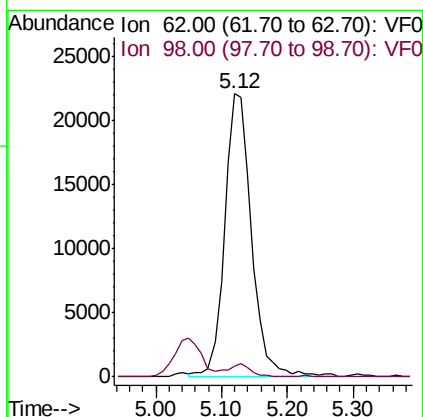
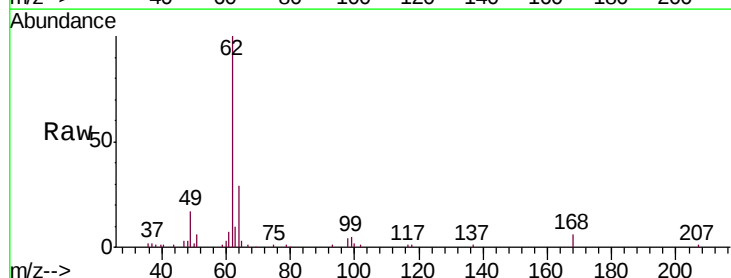
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

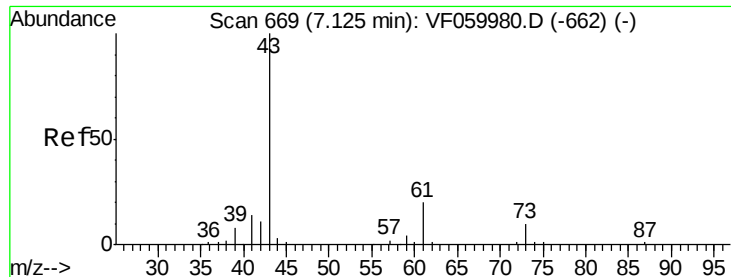
Tgt Ion:	41	Resp:	11315
Ion	Ratio	Lower	Upper
41	100		
39	78.0	62.9	94.3
67	35.7	30.4	45.6
52	61.8	47.8	71.8



#42
1,2-Dichloroethane
Concen: 20.438 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.00 min
Lab File: VF059979.D
Acq: 17 Aug 2018 18:04

Tgt Ion:	62	Resp:	63231
Ion	Ratio	Lower	Upper
62	100		
98	4.0	0.0	9.0





#43

Isopropyl Acetate

Concen: 19.759 ug/l

RT: 7.12 min Scan# 668

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

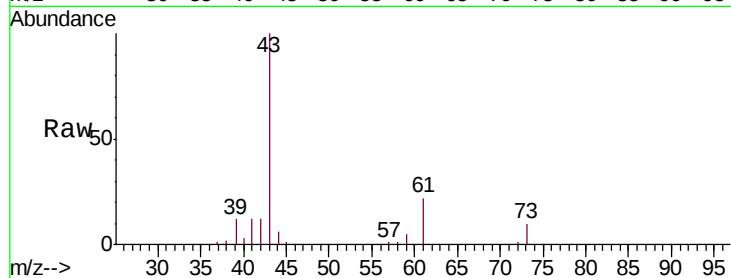
Tgt Ion: 43 Resp: 26662

Ion Ratio Lower Upper

43 100

61 22.3 15.8 23.8

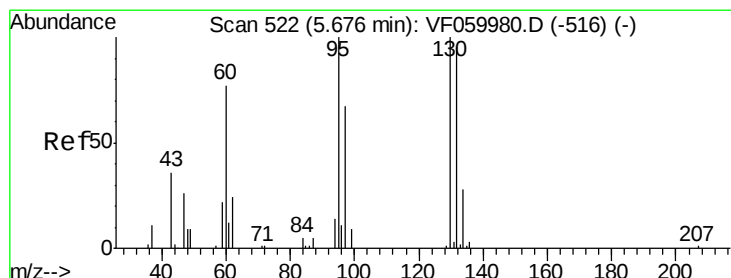
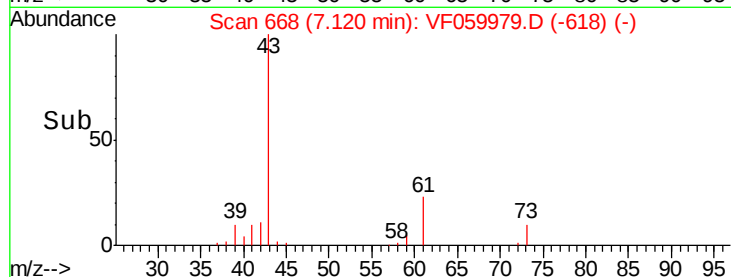
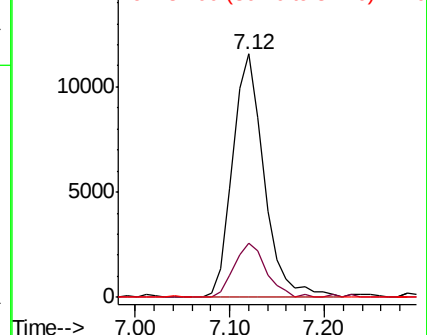
87 0.0 0.6 0.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 20.250 ug/l

RT: 5.68 min Scan# 522

Delta R.T. 0.01 min

Lab File: VF059979.D

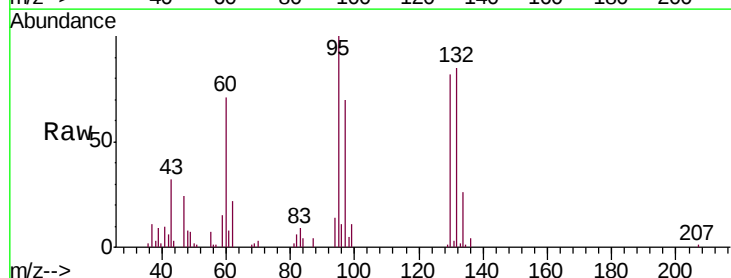
Acq: 17 Aug 2018 18:04

Tgt Ion: 130 Resp: 28241

Ion Ratio Lower Upper

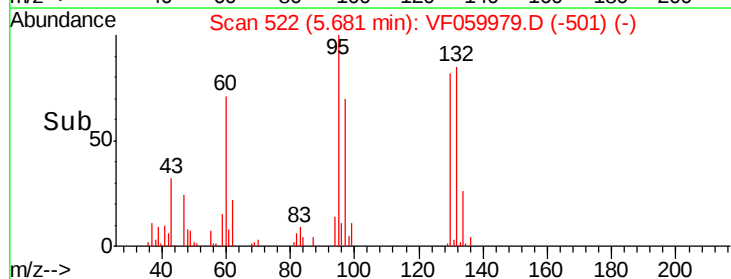
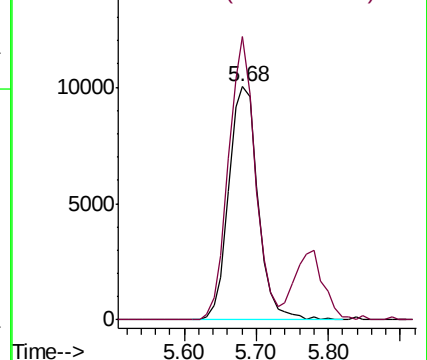
130 100

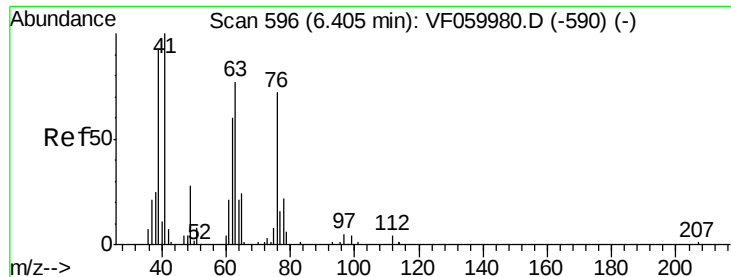
95 121.4 0.0 201.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 19.781 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.01 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

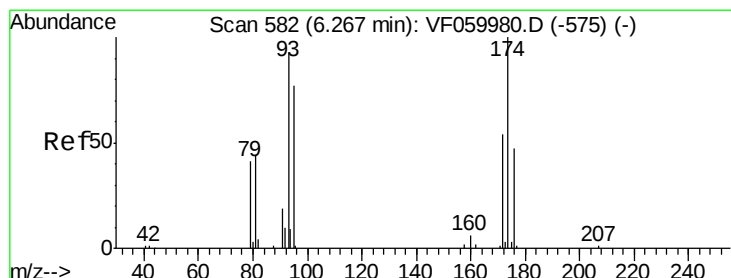
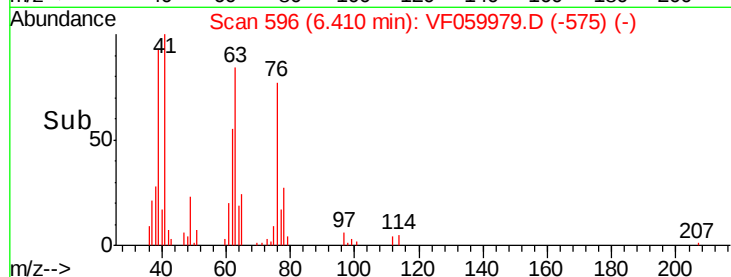
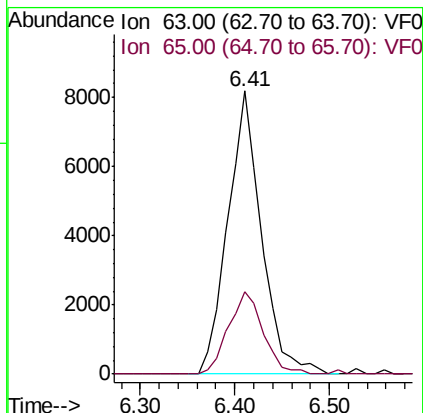
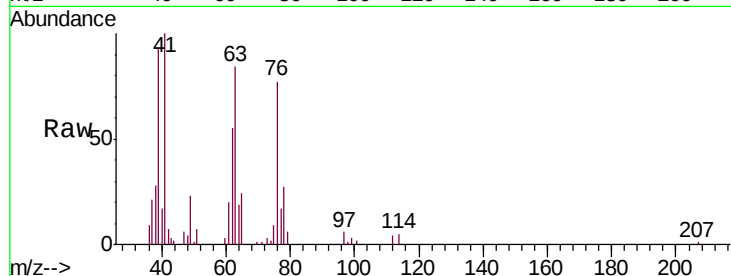
VSTDIC020

Tgt Ion: 63 Resp: 20153

Ion Ratio Lower Upper

63 100

65 28.9 25.0 37.6



#46

Dibromomethane

Concen: 21.219 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

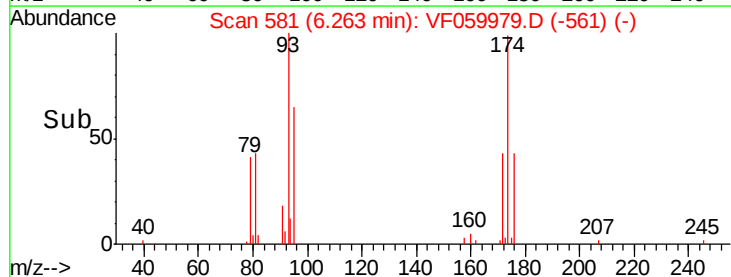
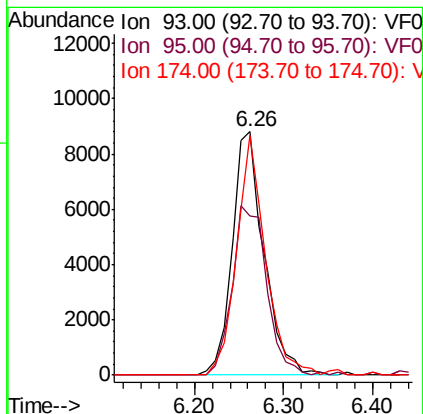
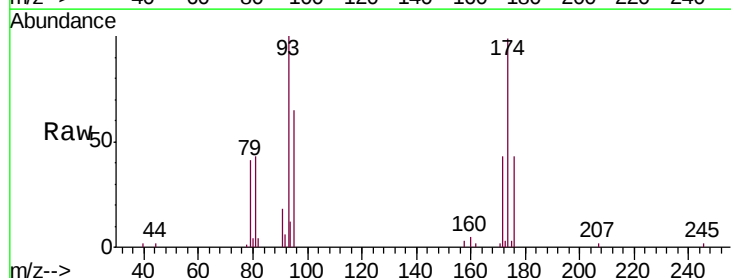
Tgt Ion: 93 Resp: 21926

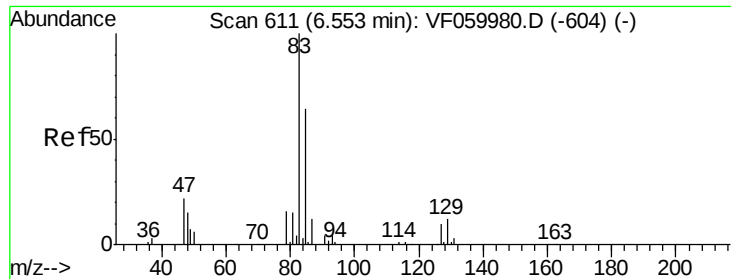
Ion Ratio Lower Upper

93 100

95 65.4 67.0 100.4#

174 98.7 85.7 128.5





#47

Bromodichloromethane

Concen: 19.719 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

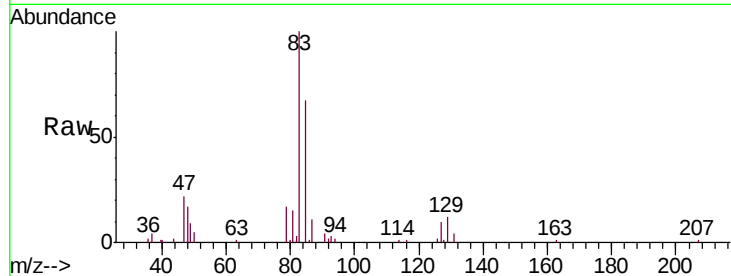
Tgt Ion: 83 Resp: 53811

Ion Ratio Lower Upper

83 100

85 67.3 51.4 77.0

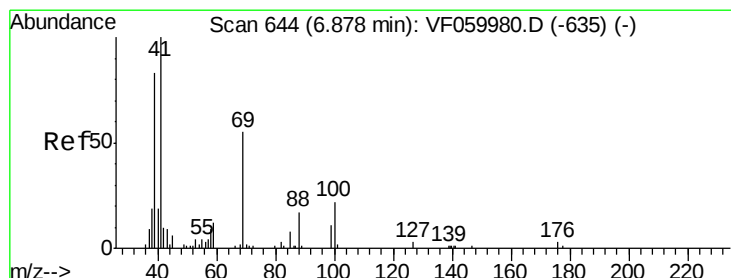
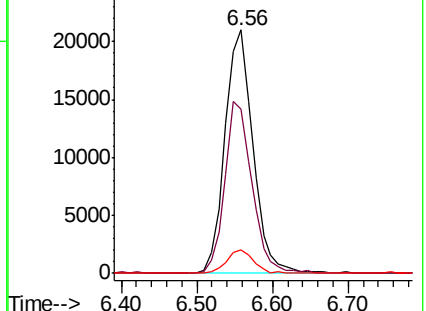
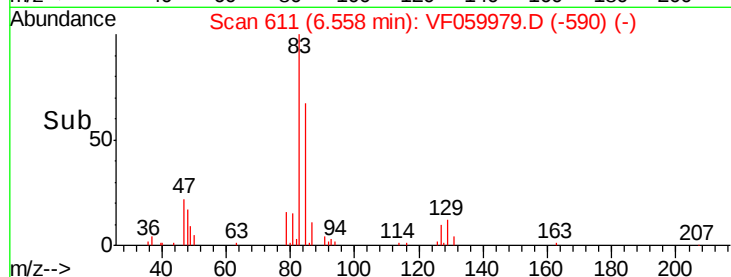
127 9.7 8.2 12.2



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: 18.987 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

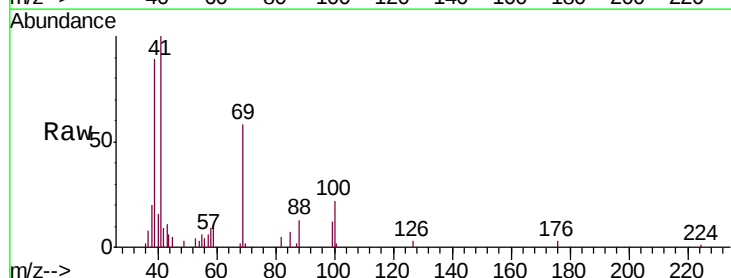
Tgt Ion: 41 Resp: 19097

Ion Ratio Lower Upper

41 100

69 57.9 44.4 66.6

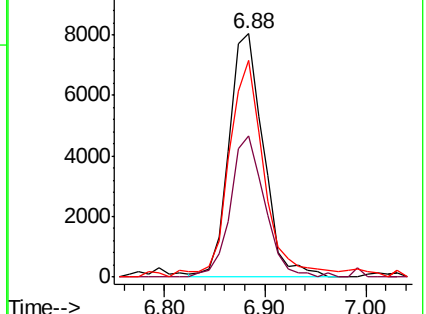
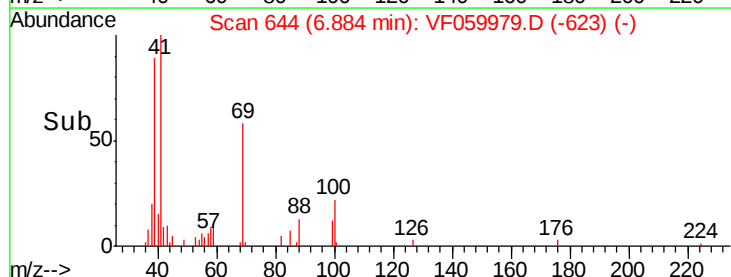
39 88.8 67.8 101.6

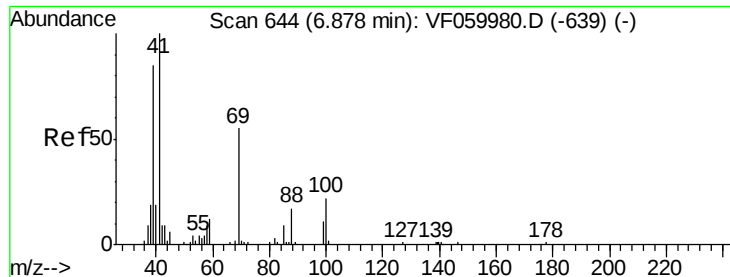


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

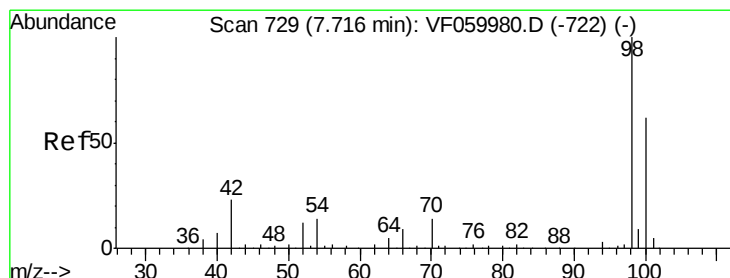
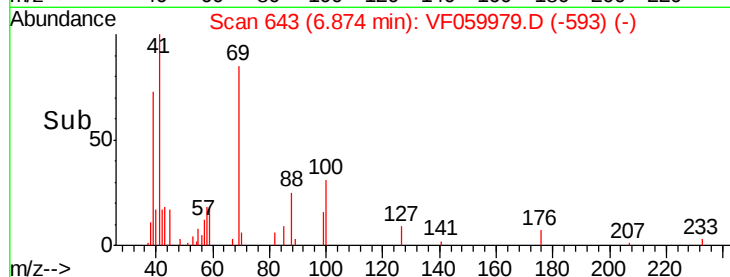
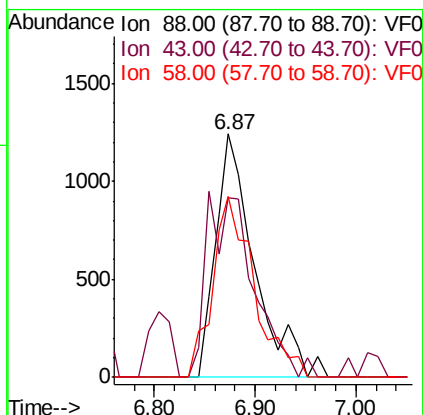
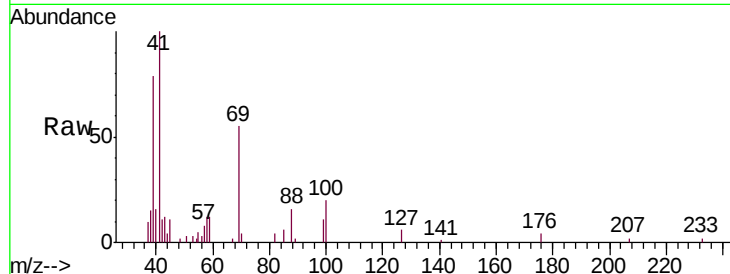




#49
1,4-Dioxane
Concen: 413.458 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.00 min
Lab File: VF059979.D
Acq: 17 Aug 2018 18:04

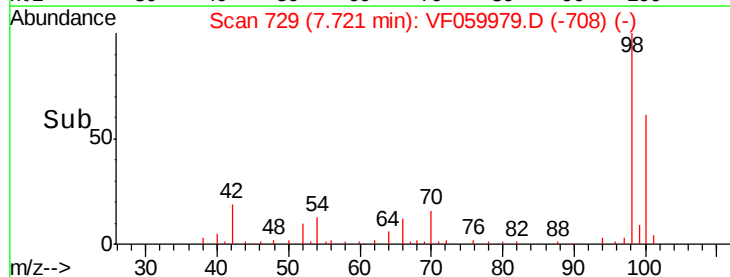
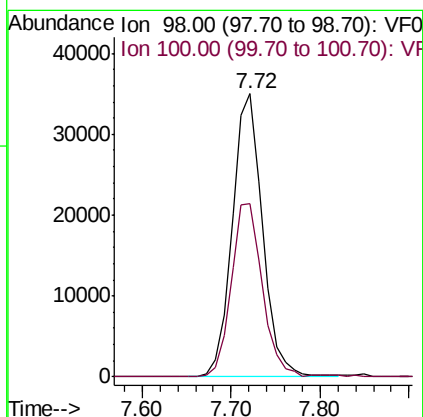
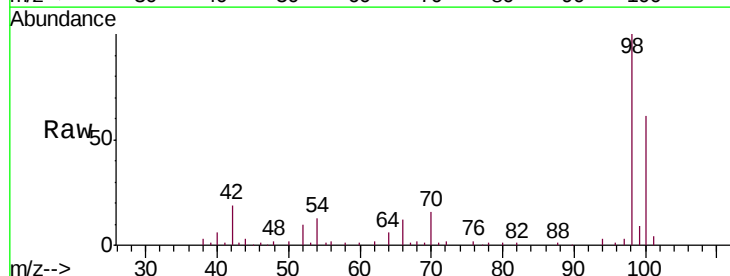
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

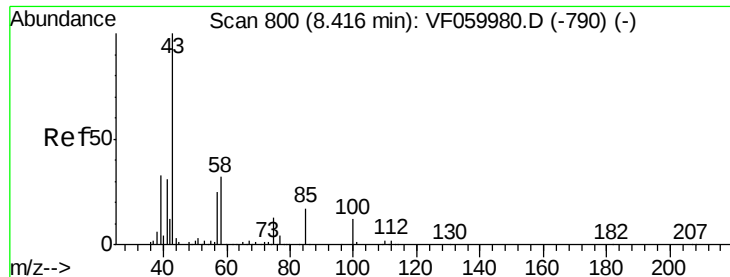
Tgt Ion: 88 Resp: 3329
Ion Ratio Lower Upper
88 100
43 73.9 43.2 64.8#
58 74.2 42.0 63.0#



#50
Toluene-d8
Concen: 19.772 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.01 min
Lab File: VF059979.D
Acq: 17 Aug 2018 18:04

Tgt Ion: 98 Resp: 82996
Ion Ratio Lower Upper
98 100
100 61.3 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 100.543 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

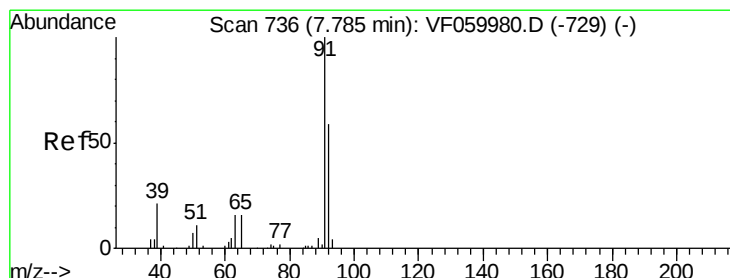
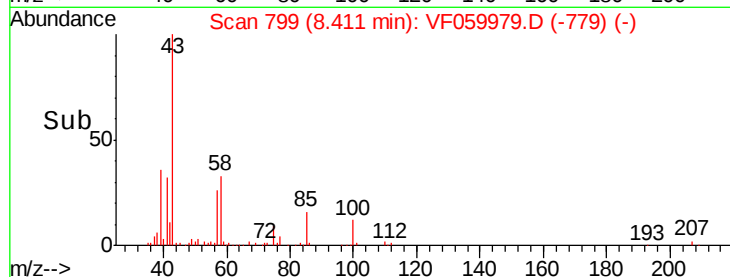
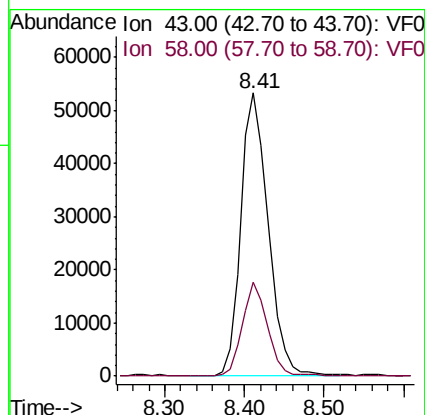
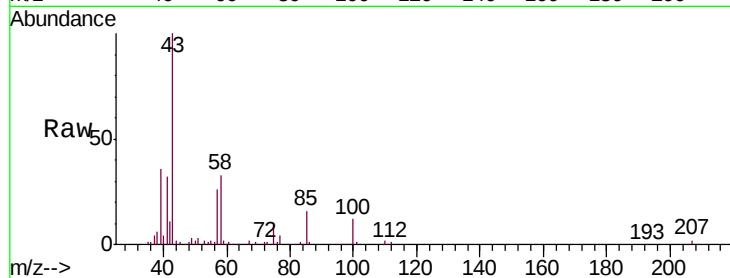
VSTDIC020

Tgt Ion: 43 Resp: 126689

Ion Ratio Lower Upper

43 100

58 33.1 25.6 38.4



#52

Toluene

Concen: 21.319 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059979.D

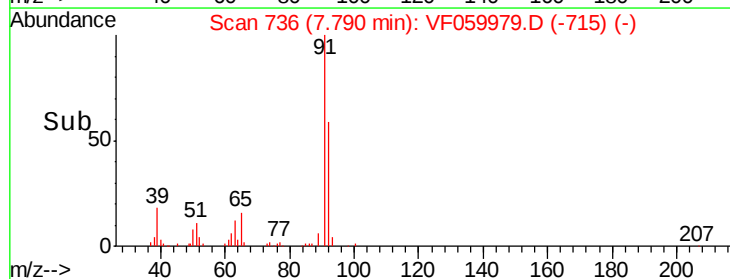
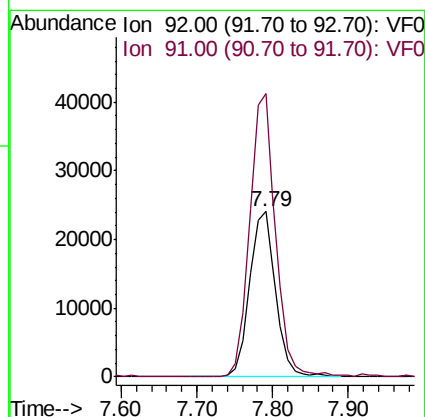
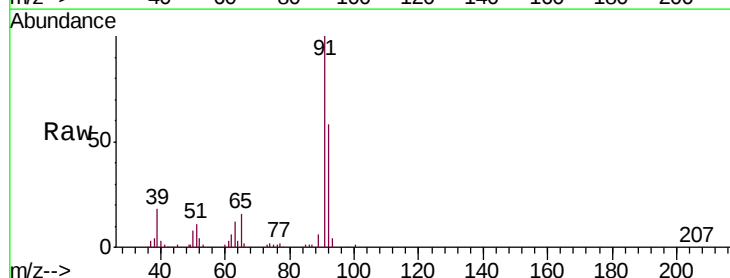
Acq: 17 Aug 2018 18:04

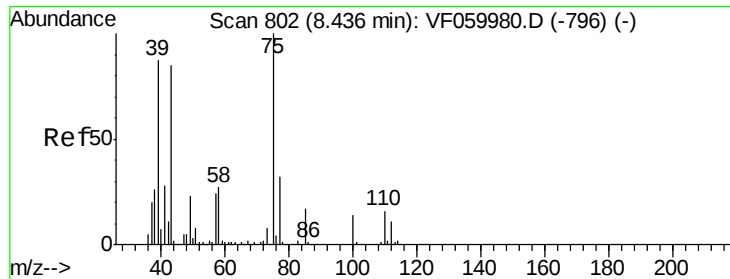
Tgt Ion: 92 Resp: 57354

Ion Ratio Lower Upper

92 100

91 171.5 136.5 204.7





#53

t-1,3-Dichloropropene

Concen: 20.654 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

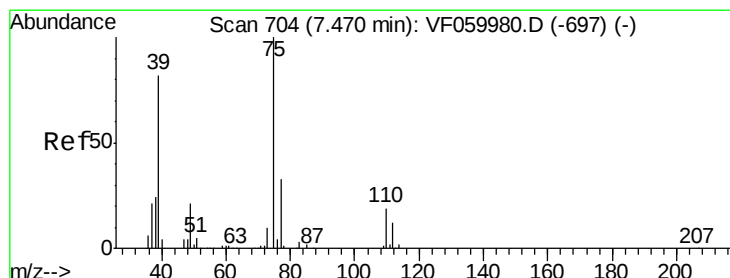
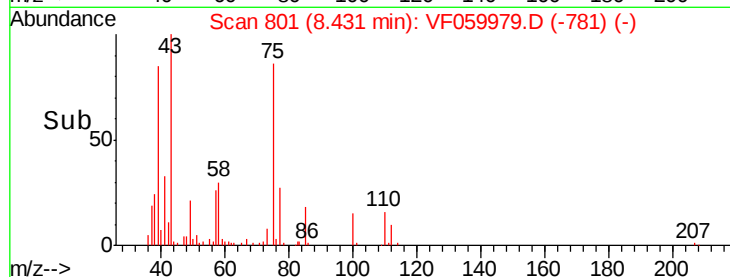
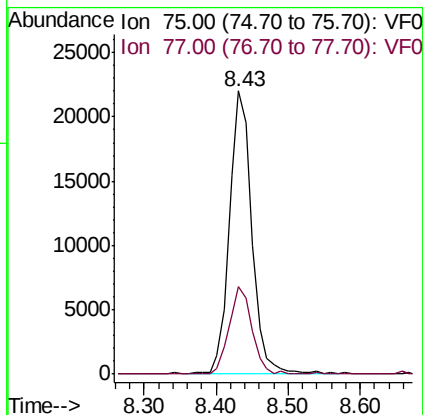
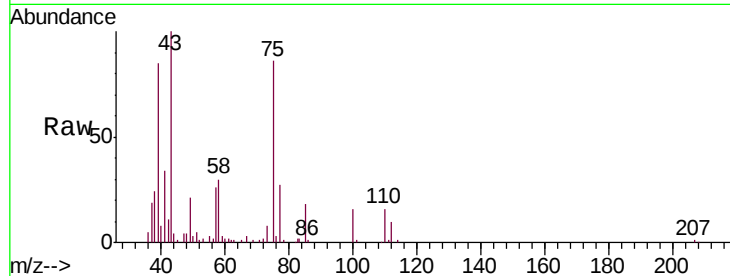
VSTDIC020

Tgt Ion: 75 Resp: 47855

Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 19.655 ug/l

RT: 7.47 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

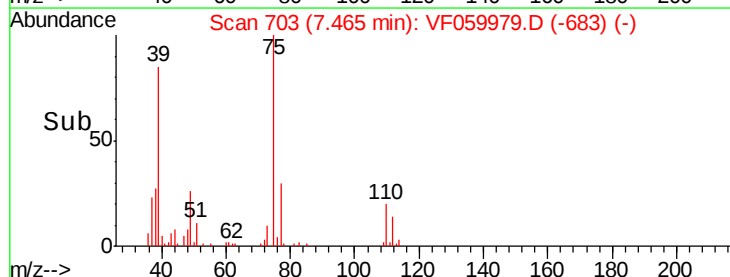
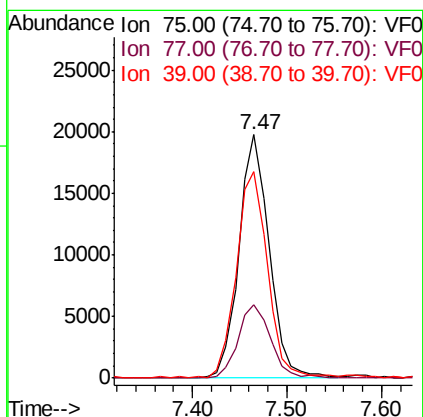
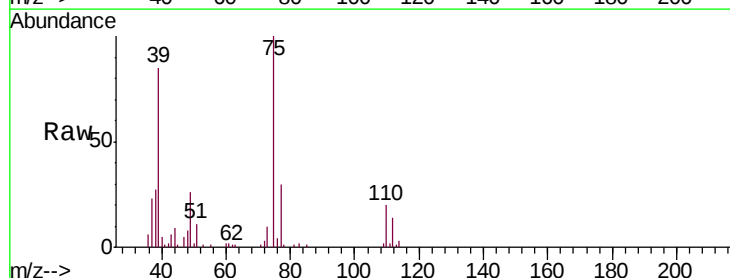
Tgt Ion: 75 Resp: 43899

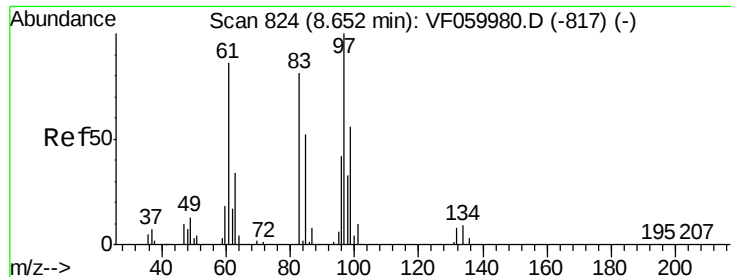
Ion Ratio Lower Upper

75 100

77 30.1 26.0 39.0

39 84.9 65.3 97.9





#55

1,1,2-Trichloroethane

Concen: 20.368 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 22466

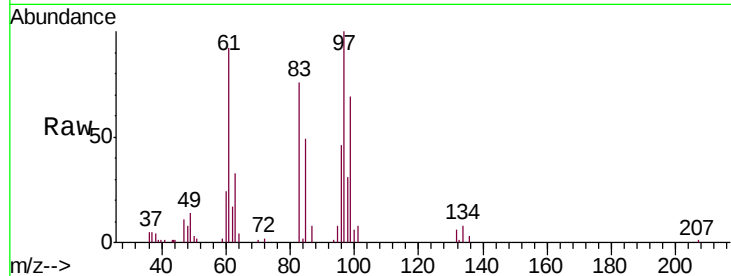
Ion Ratio Lower Upper

97 100

83 76.2 64.9 97.3

85 49.4 41.8 62.6

99 69.4 45.2 67.8#

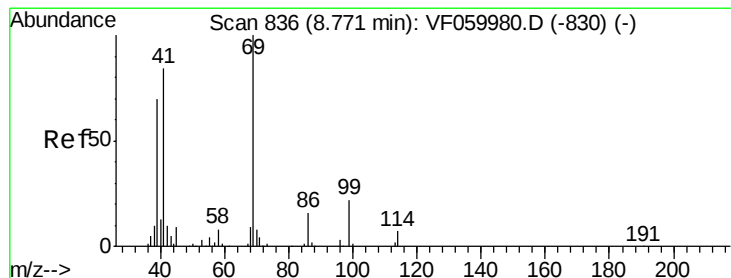
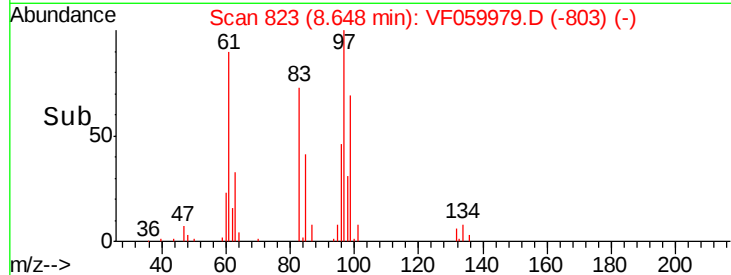
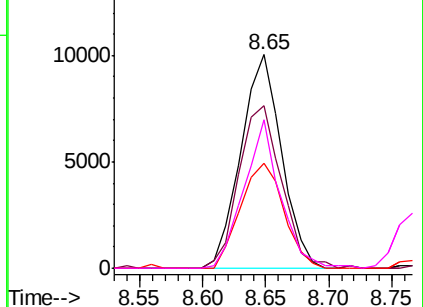


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 19.534 ug/l

RT: 8.77 min Scan# 835

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

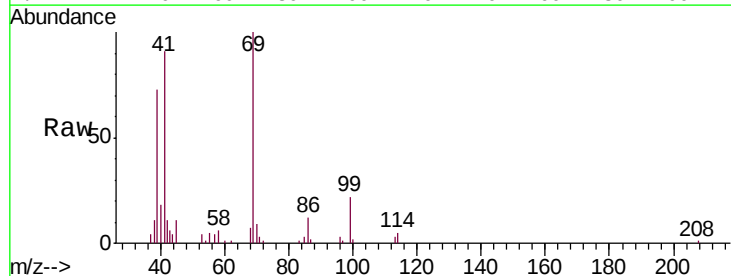
Tgt Ion: 69 Resp: 25105

Ion Ratio Lower Upper

69 100

41 90.9 67.8 101.6

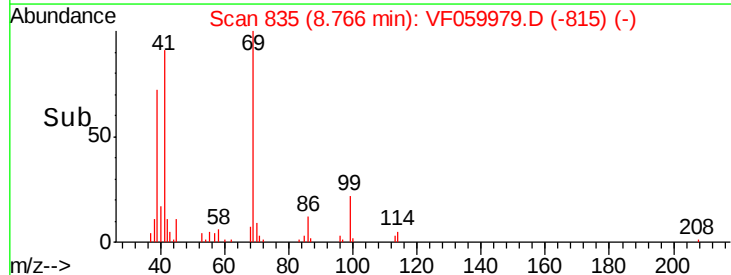
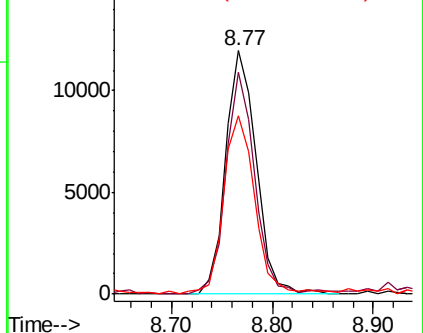
39 73.3 55.8 83.6

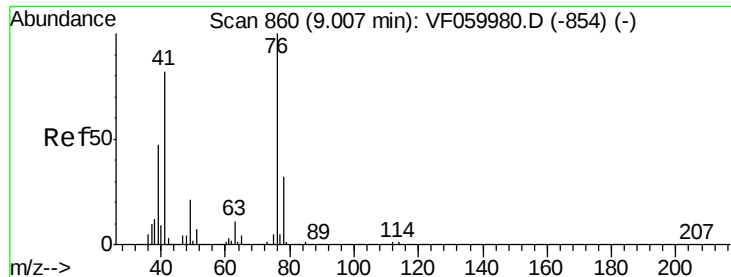


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 19.740 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

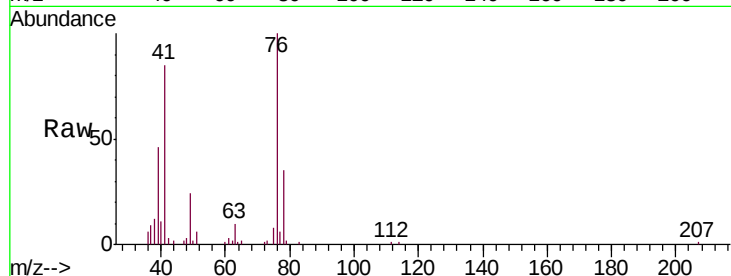
VSTDIC020

Tgt Ion: 76 Resp: 38675

Ion Ratio Lower Upper

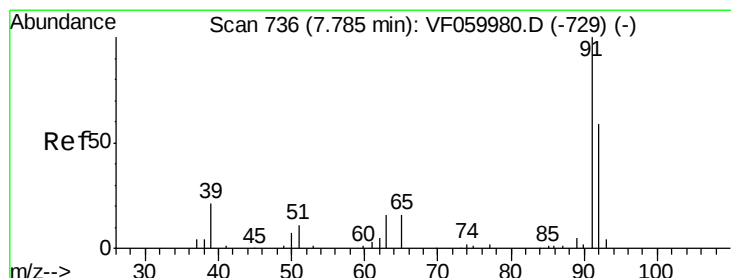
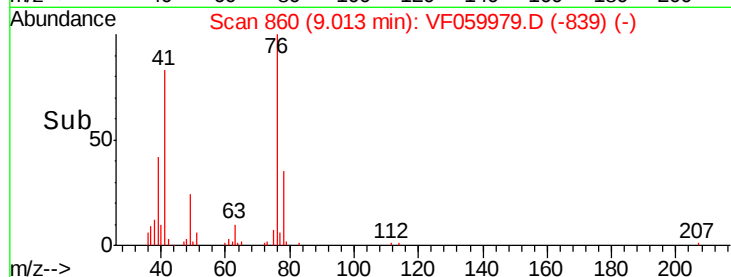
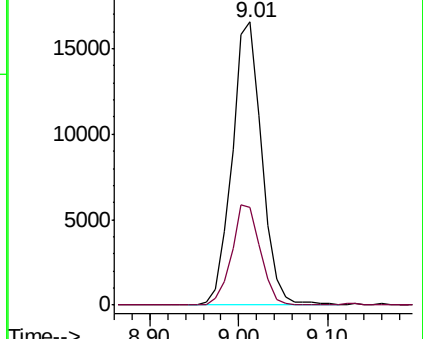
76 100

78 34.7 25.3 37.9



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 118.317 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059979.D

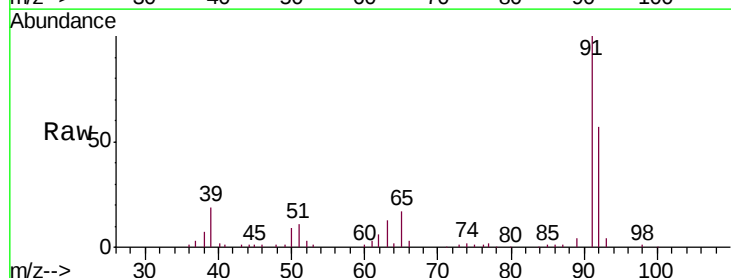
Acq: 17 Aug 2018 18:04

Tgt Ion: 63 Resp: 12500

Ion Ratio Lower Upper

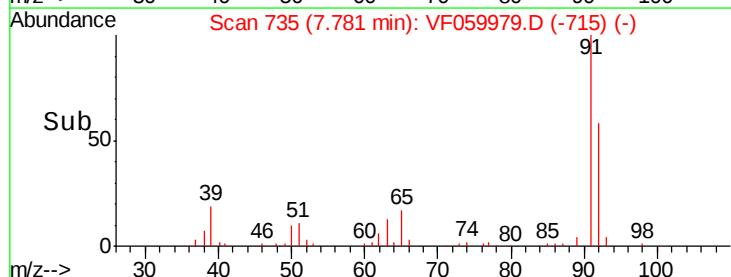
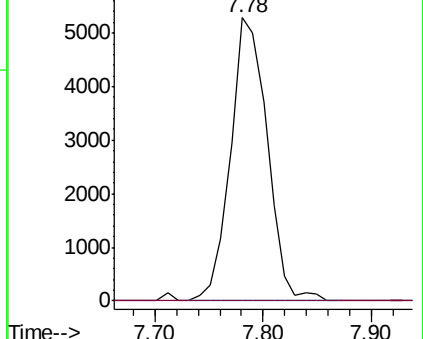
63 100

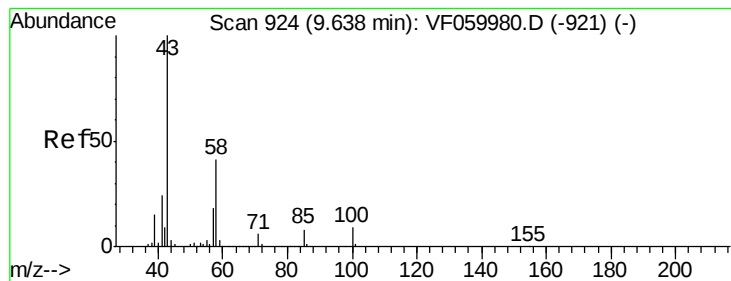
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#59

2-Hexanone

Concen: 101.083 ug/l

RT: 9.63 min Scan# 923

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

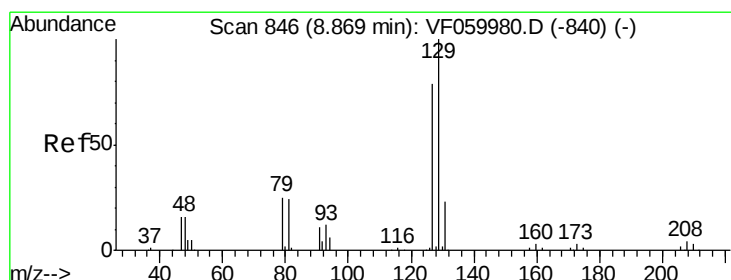
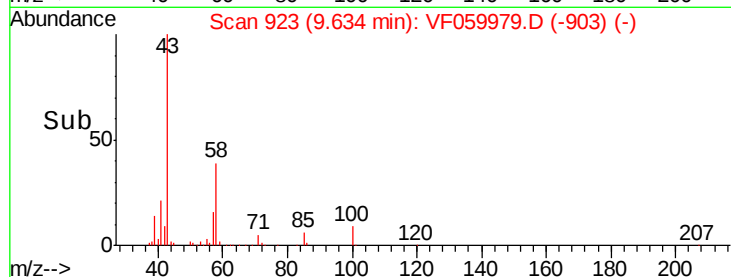
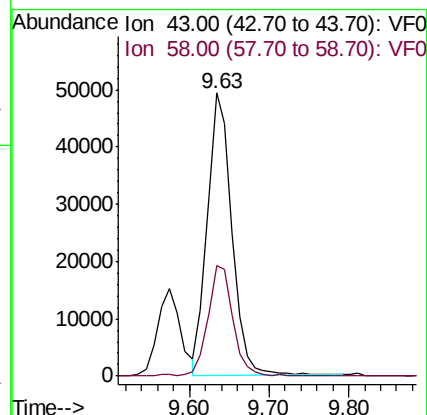
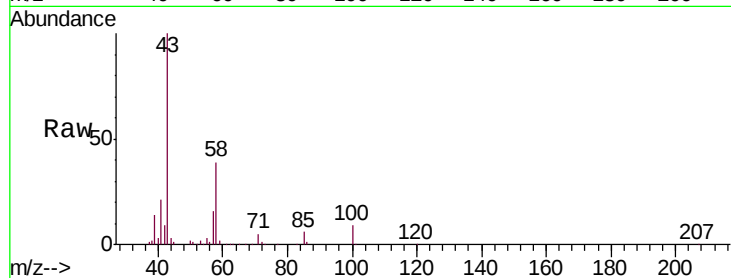
VSTDIC020

Tgt Ion: 43 Resp: 105828

Ion Ratio Lower Upper

43 100

58 39.1 20.1 60.3



#60

Dibromochloromethane

Concen: 20.259 ug/l

RT: 8.87 min Scan# 846

Delta R.T. 0.01 min

Lab File: VF059979.D

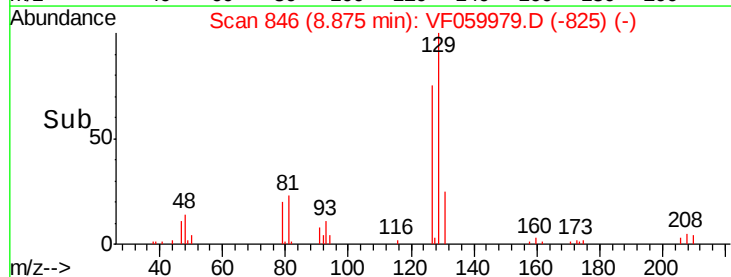
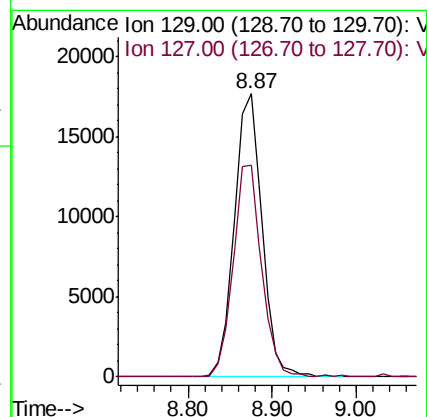
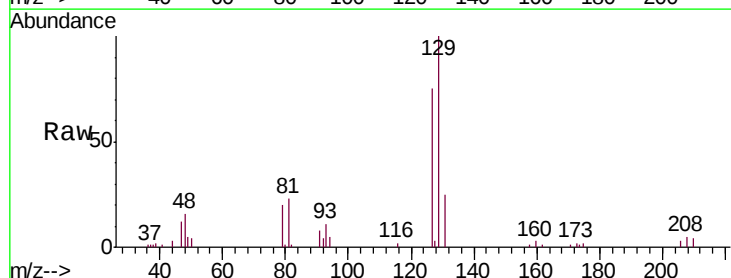
Acq: 17 Aug 2018 18:04

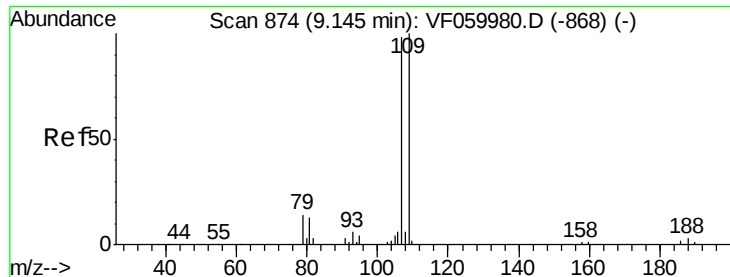
Tgt Ion: 129 Resp: 40450

Ion Ratio Lower Upper

129 100

127 78.1 39.5 118.5





#61

1,2-Dibromoethane

Concen: 19.987 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

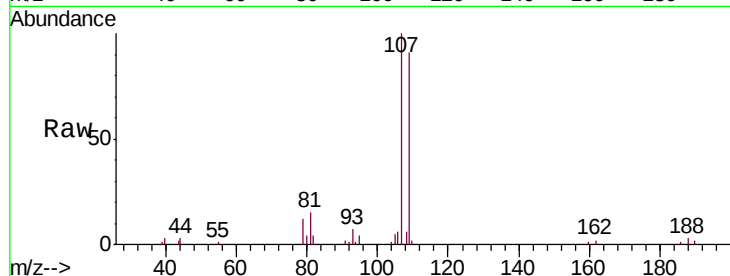
VSTDIC020

Tgt Ion: 107 Resp: 27812

Ion Ratio Lower Upper

107 100

109 91.4 81.7 122.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

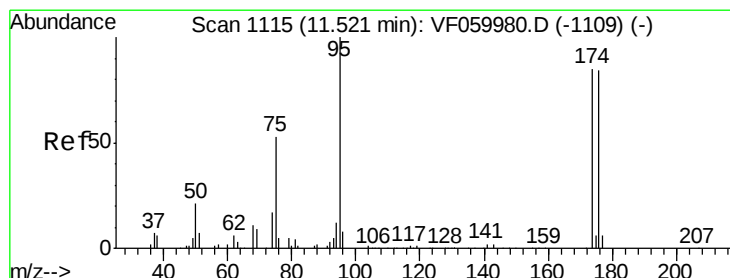
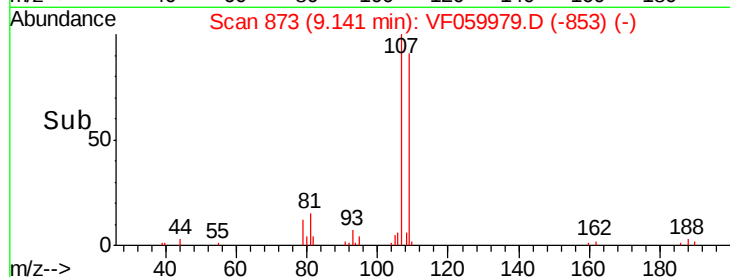
9.14

10000

5000

0

Time--> 9.00 9.10 9.20 9.30



#62

4-Bromofluorobenzene

Concen: 19.289 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

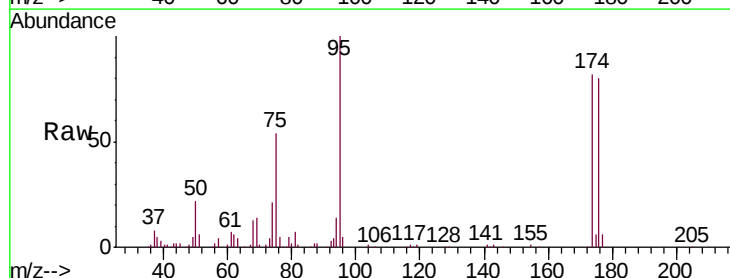
Tgt Ion: 95 Resp: 49673

Ion Ratio Lower Upper

95 100

174 81.6 0.0 169.8

176 80.3 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

11.52

40000

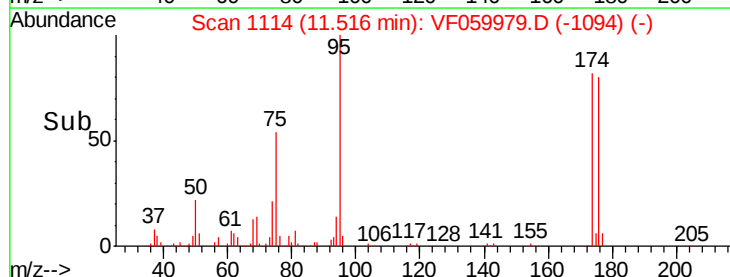
30000

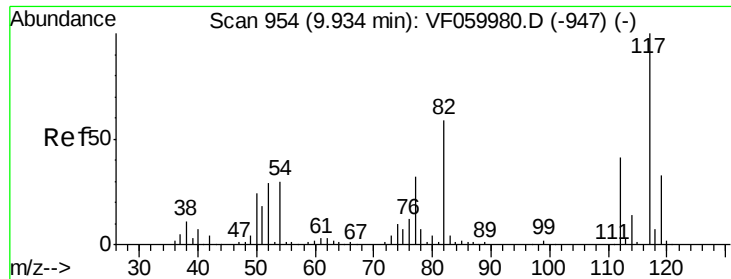
20000

10000

0

Time--> 11.45 11.50 11.55 11.60

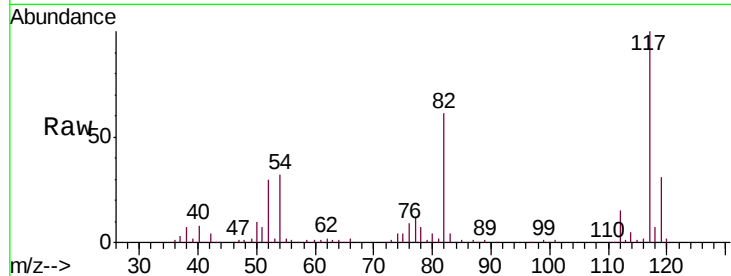




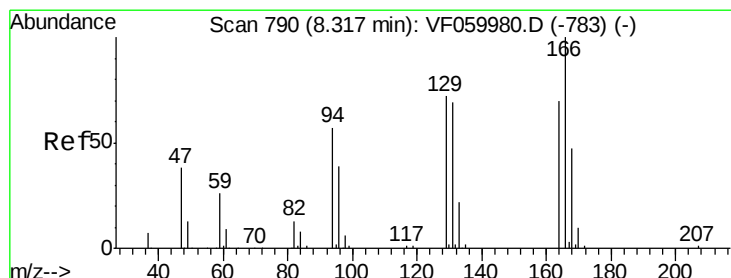
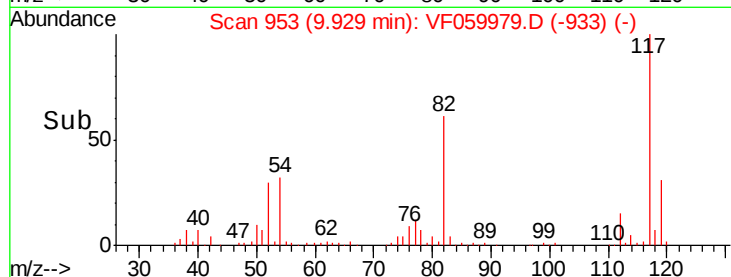
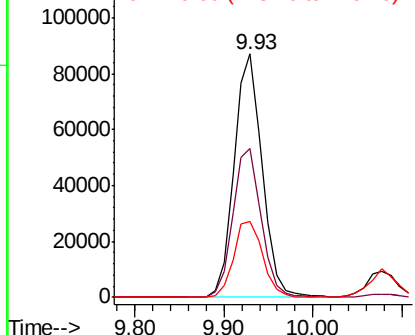
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF059979.D
Acq: 17 Aug 2018 18:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 191057
Ion Ratio Lower Upper
117 100
82 61.1 47.2 70.8
119 31.2 26.1 39.1

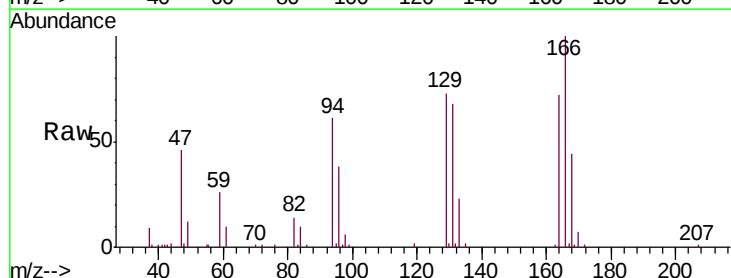


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

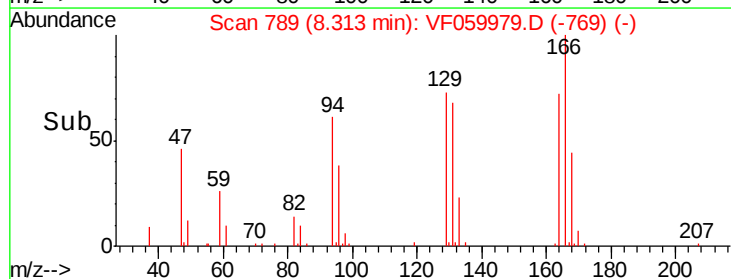
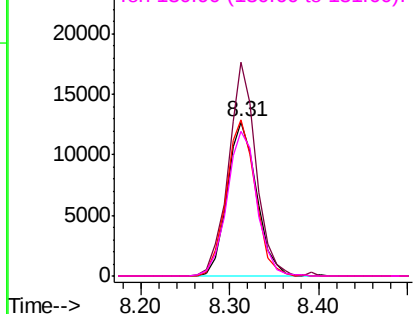


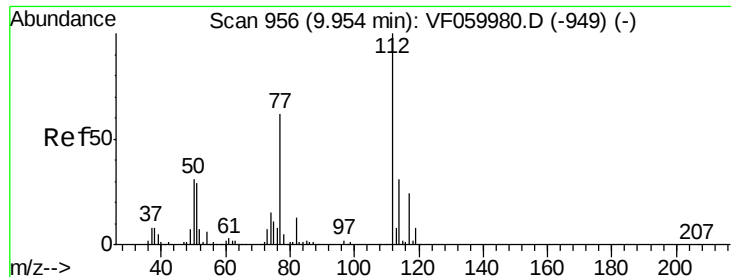
#64
Tetrachloroethene
Concen: 20.635 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF059979.D
Acq: 17 Aug 2018 18:04

Tgt Ion:164 Resp: 29591
Ion Ratio Lower Upper
164 100
166 138.8 114.5 171.7
129 101.2 82.3 123.5
131 94.2 78.6 118.0



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

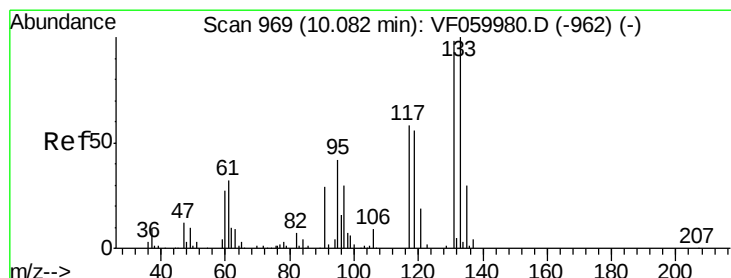
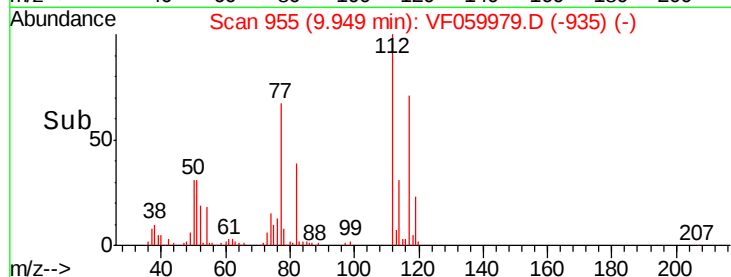
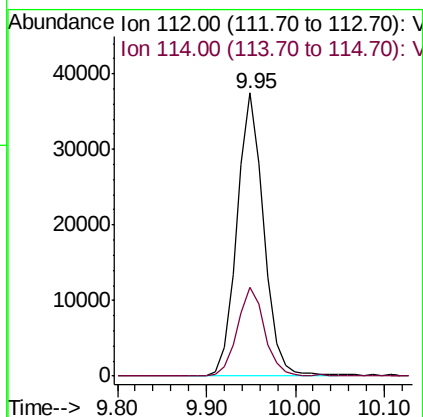
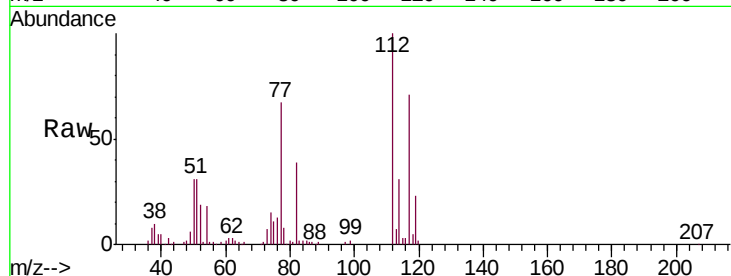




#65
Chlorobenzene
Concen: 20.982 ug/l
RT: 9.95 min Scan# 955
Delta R.T. -0.00 min
Lab File: VF059979.D
Acq: 17 Aug 2018 18:04

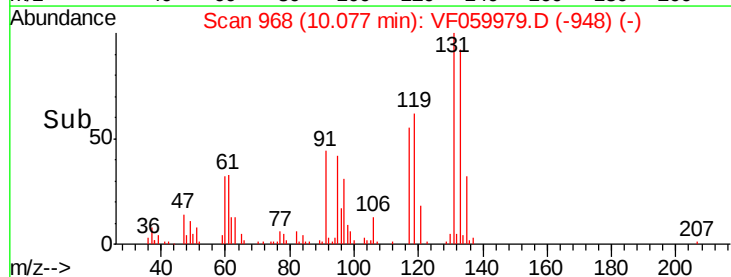
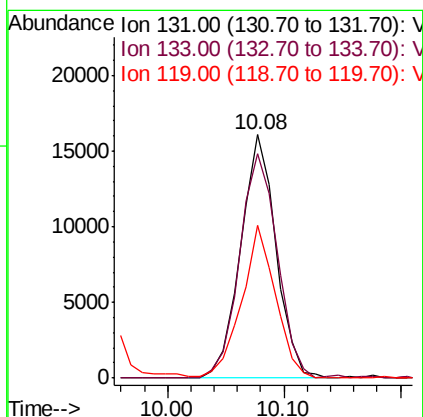
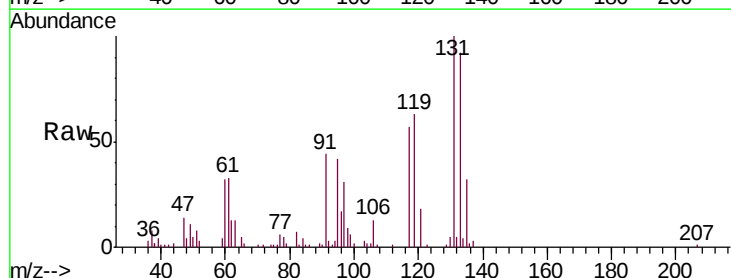
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

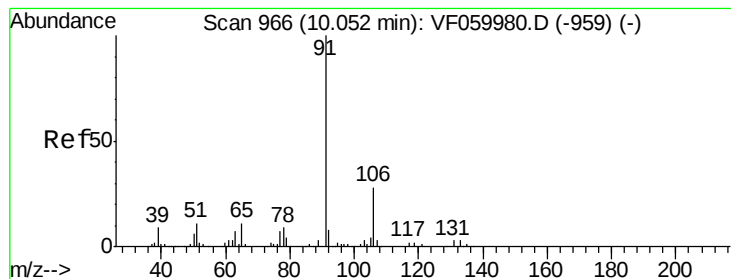
Tgt Ion:112 Resp: 78213
Ion Ratio Lower Upper
112 100
114 31.4 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.719 ug/l
RT: 10.08 min Scan# 968
Delta R.T. -0.00 min
Lab File: VF059979.D
Acq: 17 Aug 2018 18:04

Tgt Ion:131 Resp: 33782
Ion Ratio Lower Upper
131 100
133 92.2 51.1 153.3
119 62.7 29.0 87.1





#67

Ethyl Benzene

Concen: 21.260 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

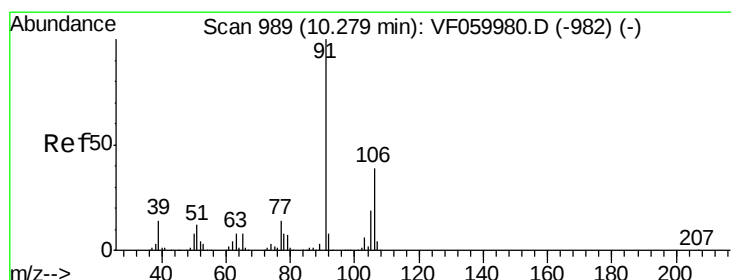
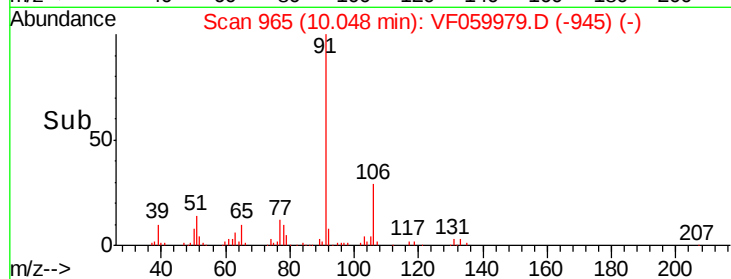
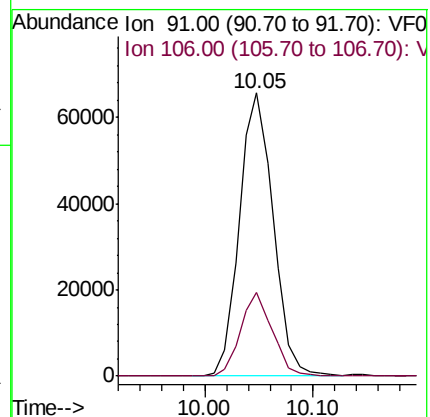
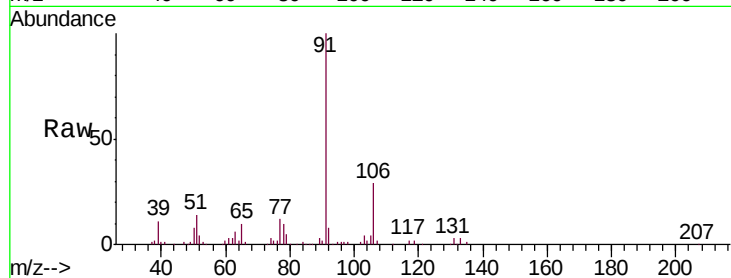
VSTDIC020

Tgt Ion: 91 Resp: 142262

Ion Ratio Lower Upper

91 100

106 29.5 22.0 33.0



#68

m/p-Xylenes

Concen: 44.204 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF059979.D

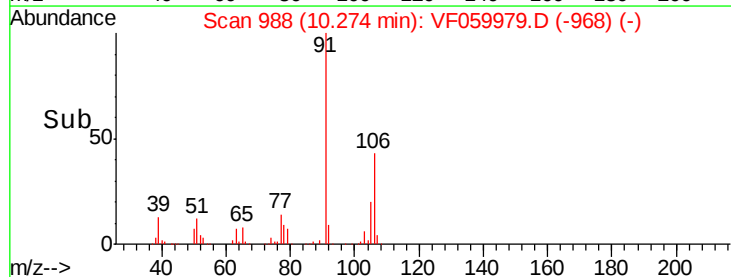
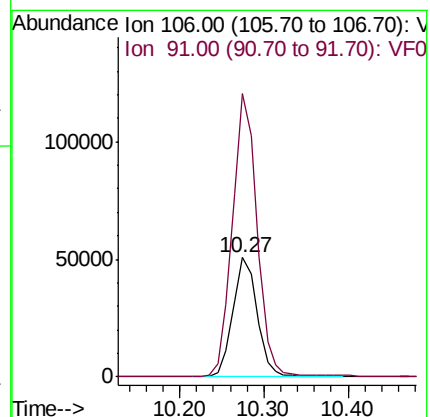
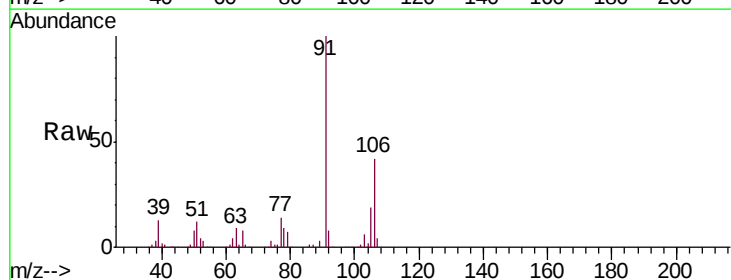
Acq: 17 Aug 2018 18:04

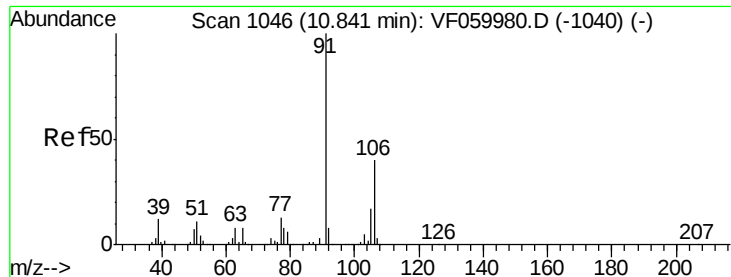
Tgt Ion: 106 Resp: 102946

Ion Ratio Lower Upper

106 100

91 237.0 203.5 305.3

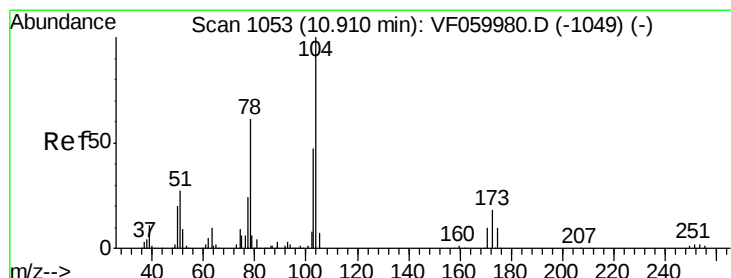
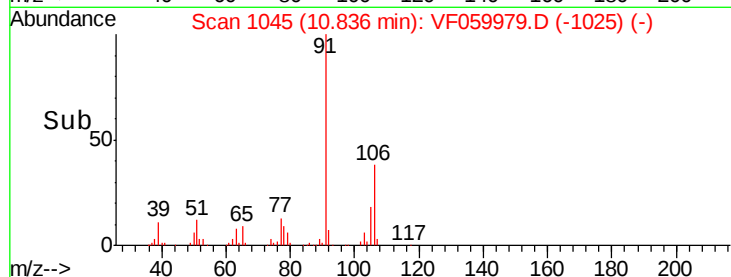
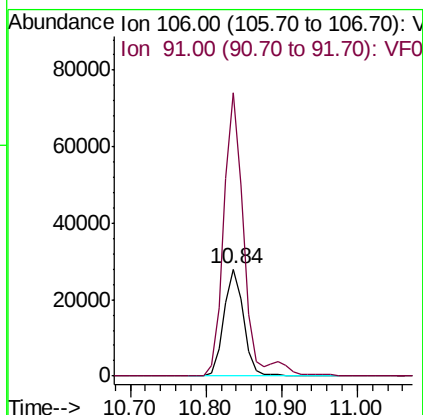
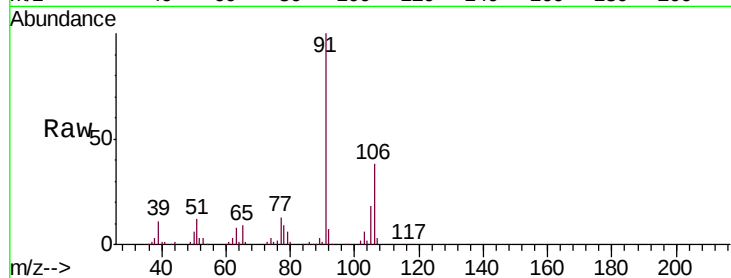




#69
o-Xylene
Concen: 21.273 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VF059979.D
Acq: 17 Aug 2018 18:04

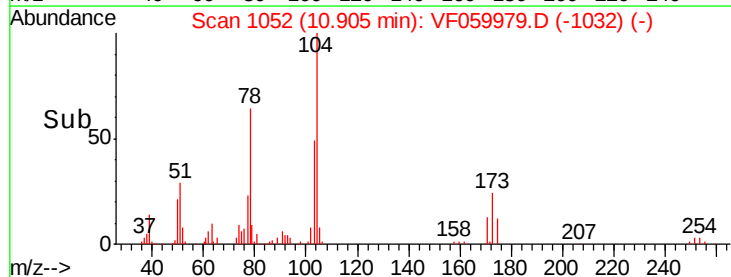
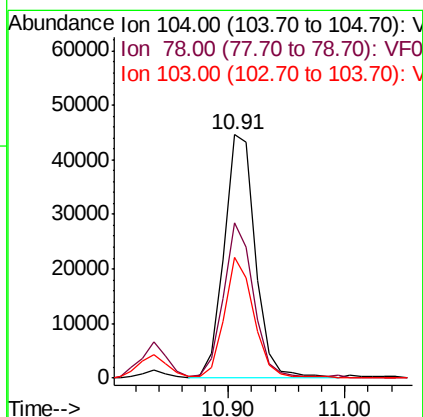
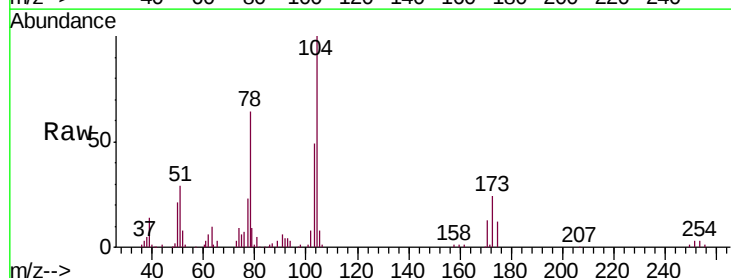
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

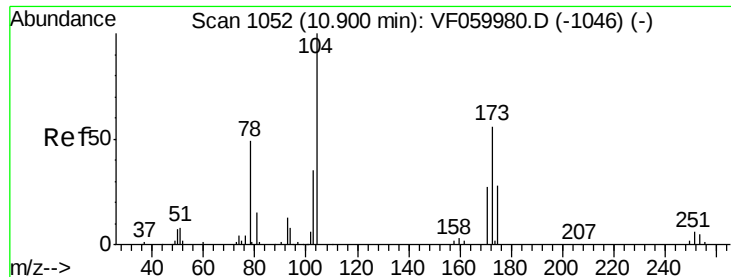
Tgt Ion:106 Resp: 50953
Ion Ratio Lower Upper
106 100
91 265.1 125.4 376.2



#70
Styrene
Concen: 21.804 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059979.D
Acq: 17 Aug 2018 18:04

Tgt Ion:104 Resp: 83168
Ion Ratio Lower Upper
104 100
78 64.0 49.0 73.6
103 49.4 38.2 57.4





#71

Bromoform

Concen: 21.039 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

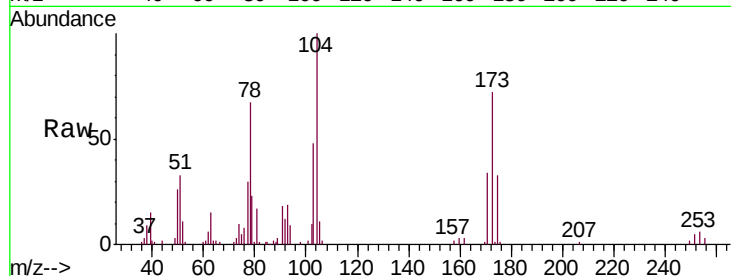
Tgt Ion:173 Resp: 27139

Ion Ratio Lower Upper

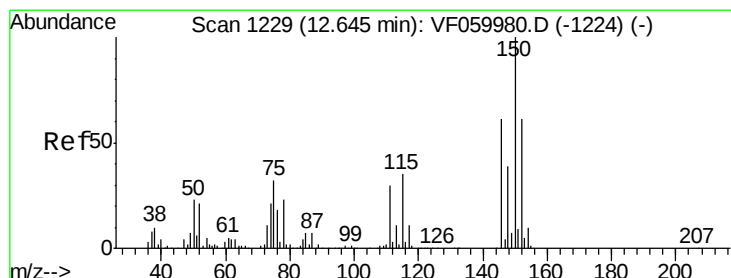
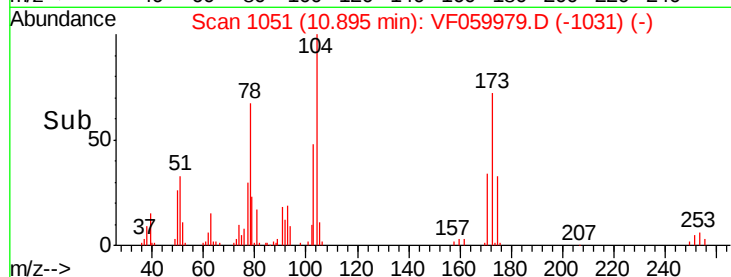
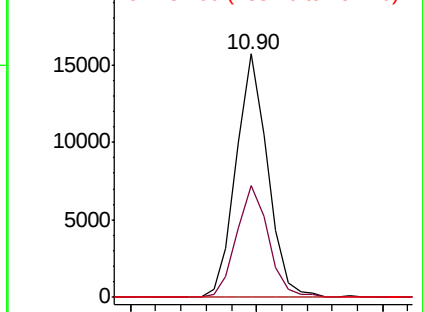
173 100

175 46.4 24.8 74.3

254 0.0 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# 1228

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

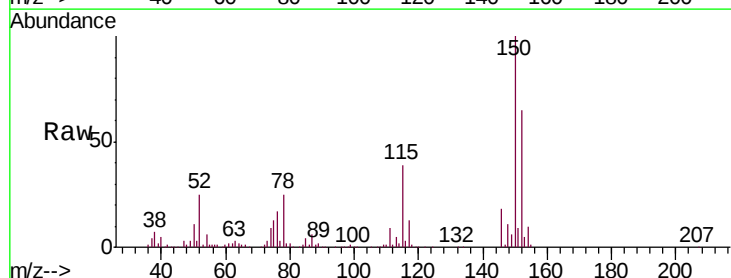
Tgt Ion:152 Resp: 133558

Ion Ratio Lower Upper

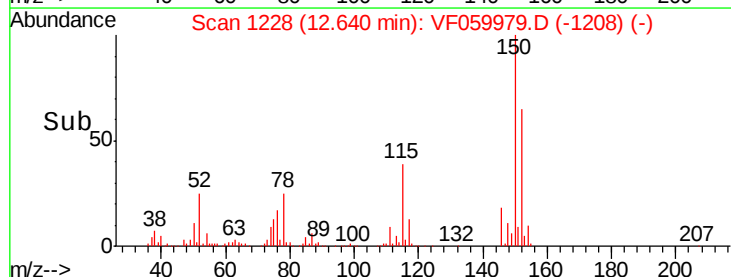
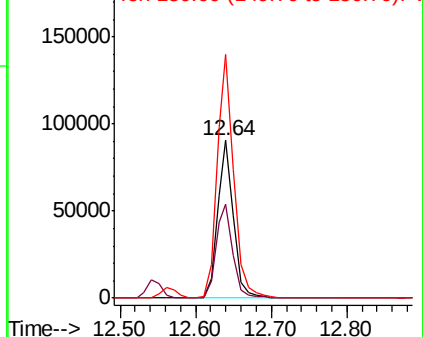
152 100

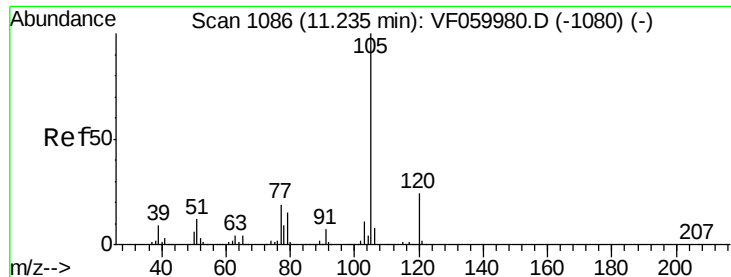
115 60.0 29.1 87.3

150 154.7 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: 21.997 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

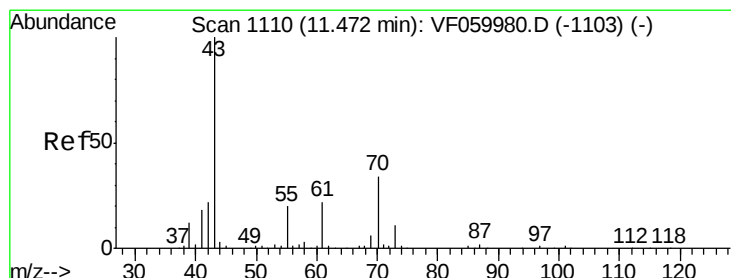
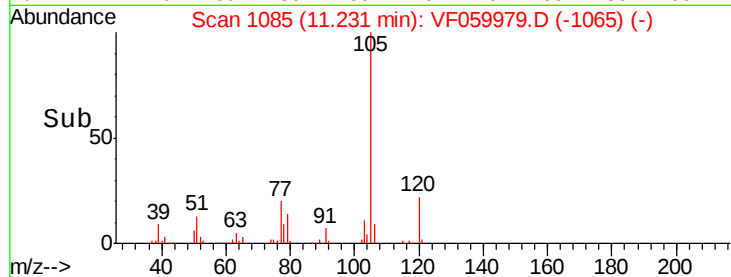
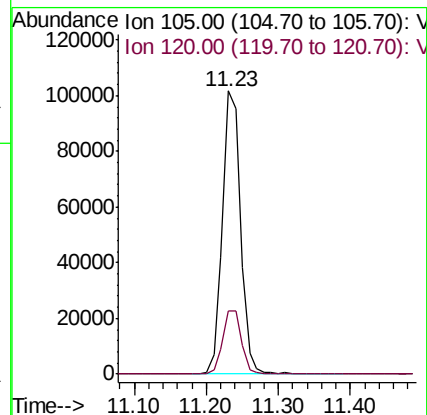
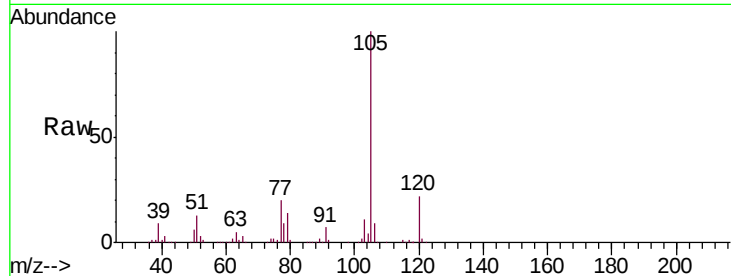
VSTDIC020

Tgt Ion:105 Resp: 175690

Ion Ratio Lower Upper

105 100

120 22.4 11.9 35.5



#74

N-ethyl acetate

Concen: 20.871 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Tgt Ion: 43 Resp: 49301

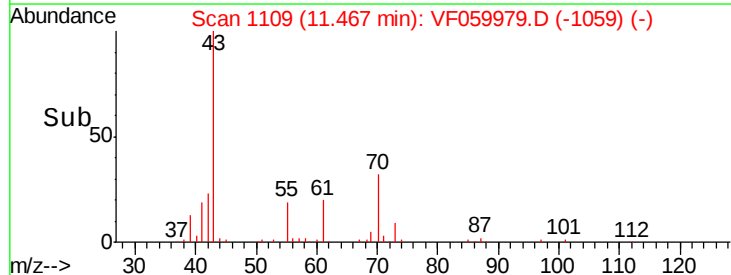
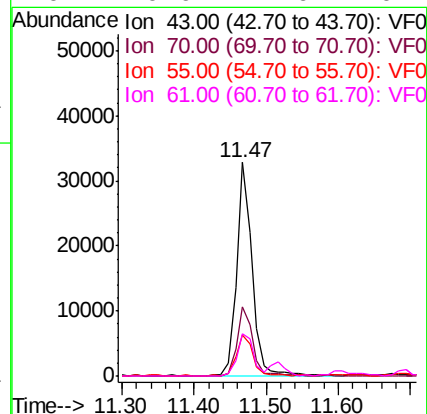
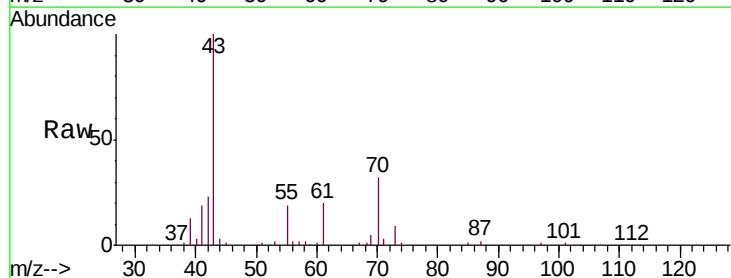
Ion Ratio Lower Upper

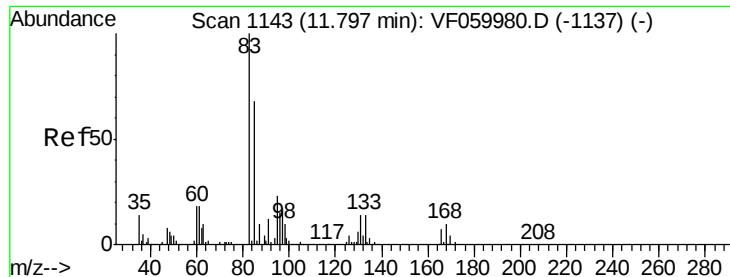
43 100

70 32.4 27.2 40.8

55 19.2 16.4 24.6

61 19.9 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.233 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

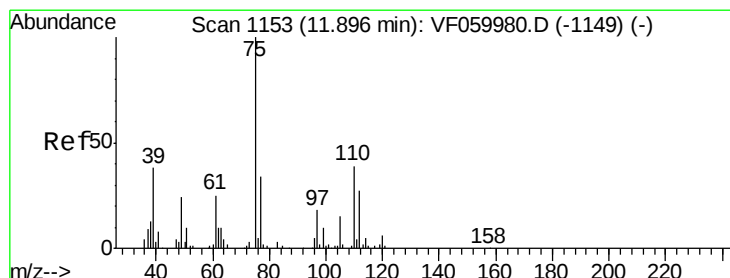
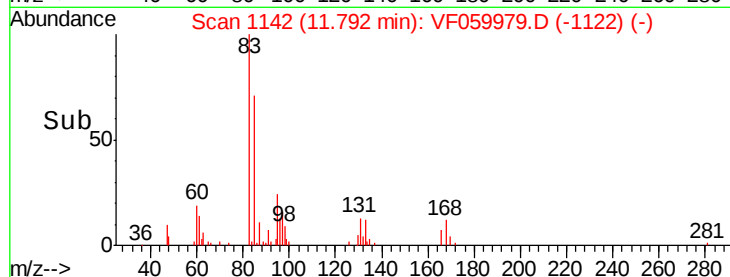
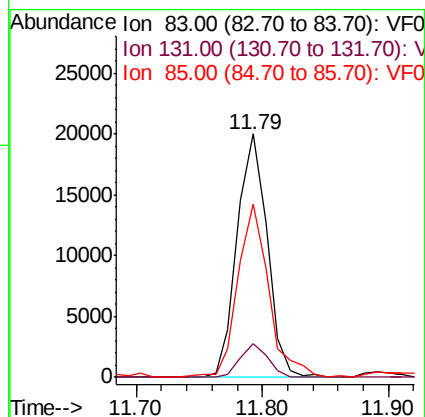
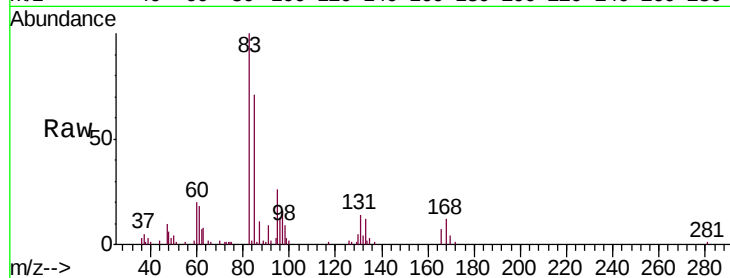
Tgt Ion: 83 Resp: 32960

Ion Ratio Lower Upper

83 100

131 13.8 7.2 21.6

85 69.6 34.1 102.2



#76

1,2,3-Trichloropropane

Concen: 20.816 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF059979.D

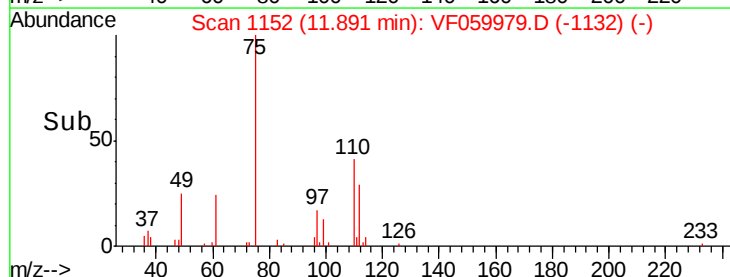
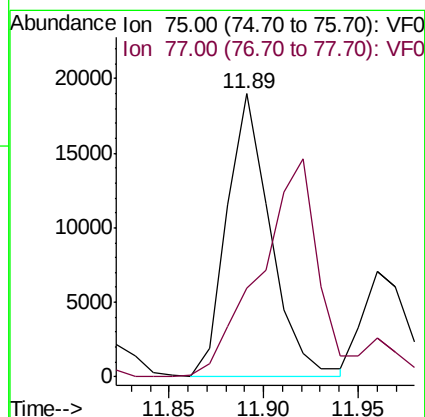
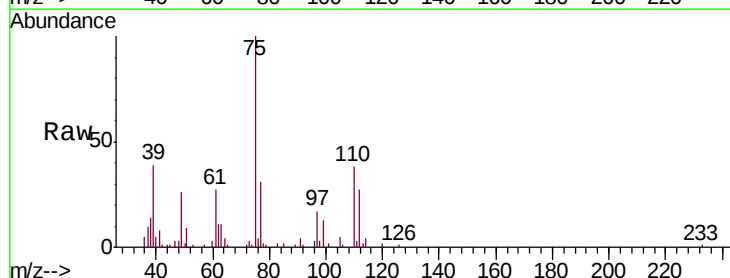
Acq: 17 Aug 2018 18:04

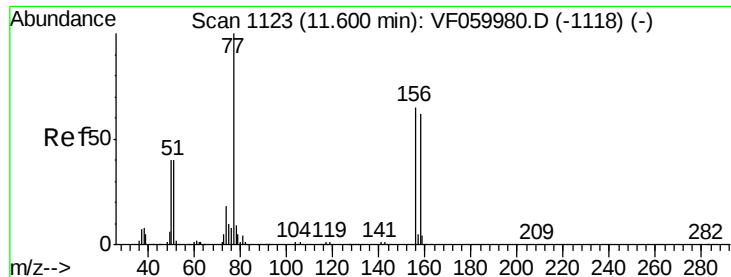
Tgt Ion: 75 Resp: 30316

Ion Ratio Lower Upper

75 100

77 31.3 17.1 51.3





#77

Bromobenzene

Concen: 21.308 ug/l

RT: 11.61 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

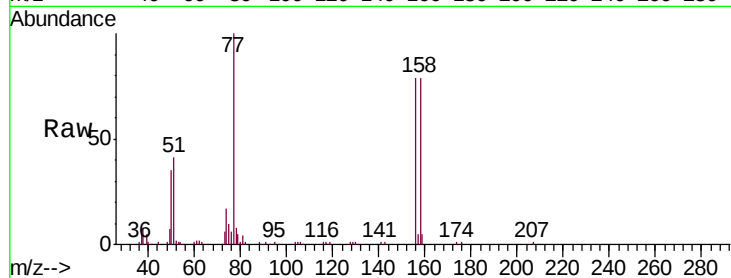
Tgt Ion:156 Resp: 48017

Ion Ratio Lower Upper

156 100

77 126.7 76.9 230.7

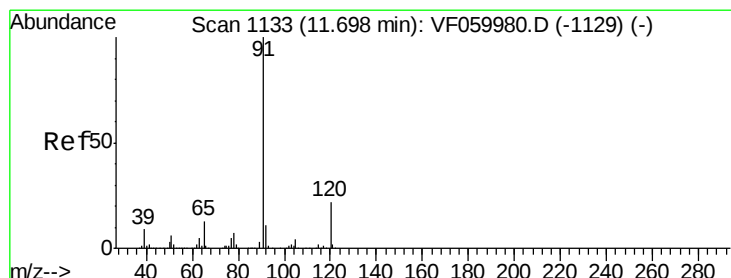
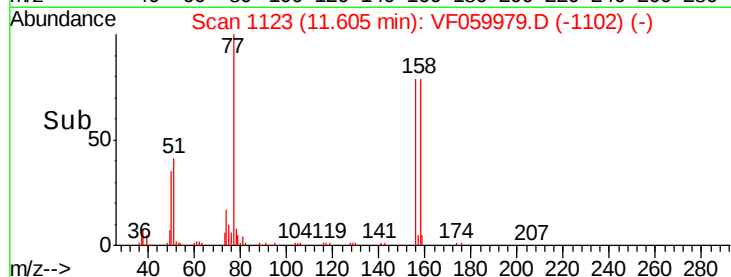
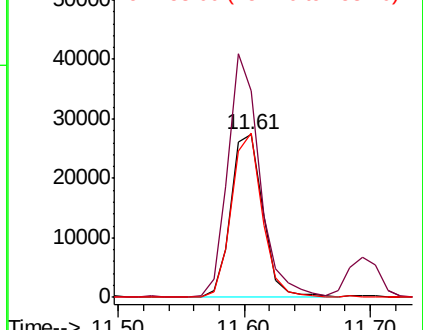
158 100.5 47.7 143.1



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: 21.567 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF059979.D

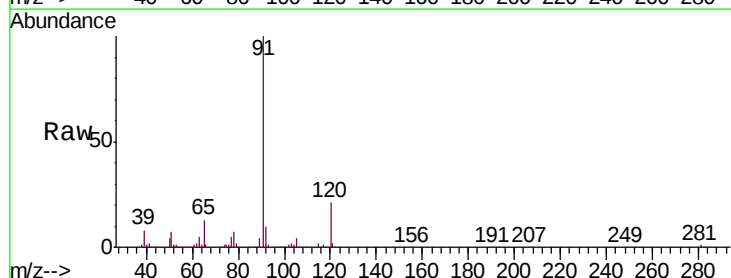
Acq: 17 Aug 2018 18:04

Tgt Ion: 91 Resp: 213888

Ion Ratio Lower Upper

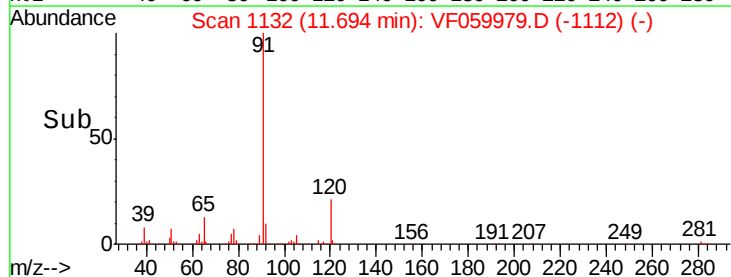
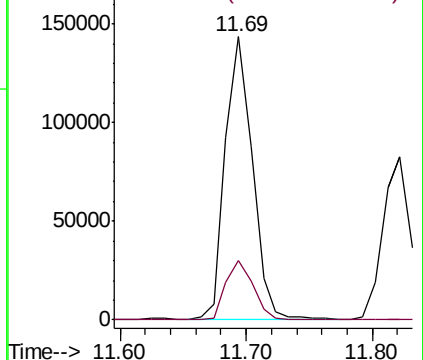
91 100

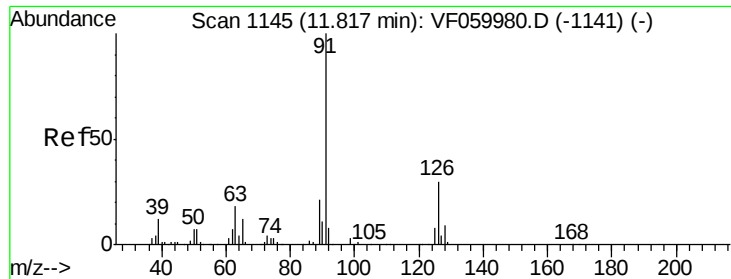
120 21.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.885 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

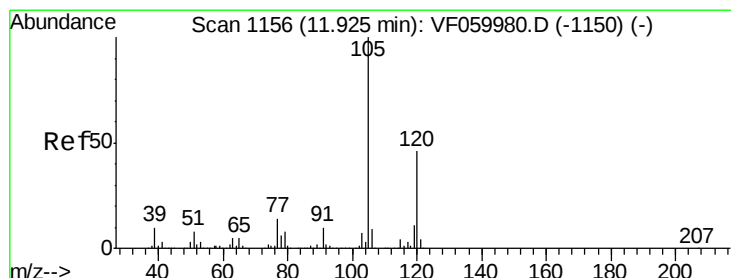
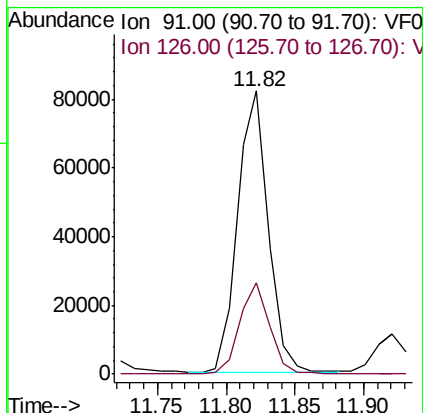
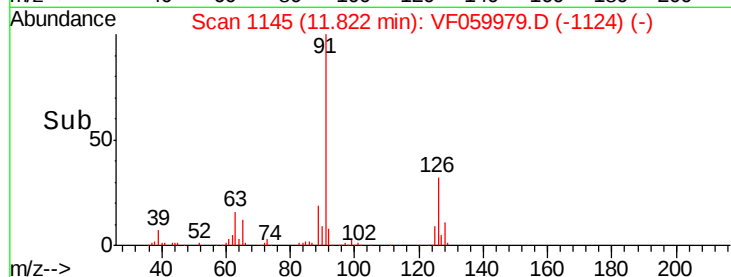
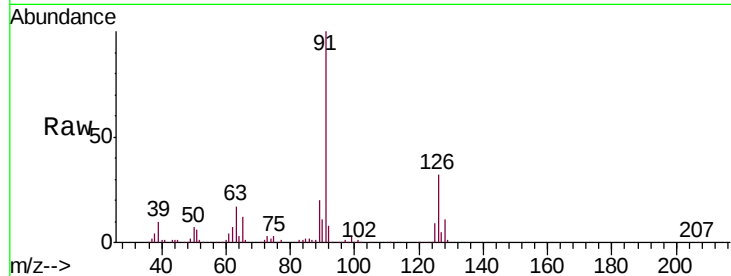
VSTDIC020

Tgt Ion: 91 Resp: 126863

Ion Ratio Lower Upper

91 100

126 32.1 14.7 44.1



#80

1,3,5-Trimethylbenzene

Concen: 21.924 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VF059979.D

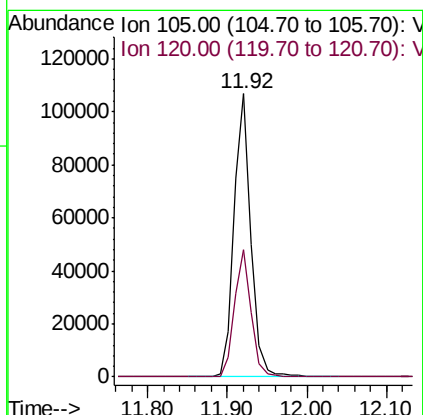
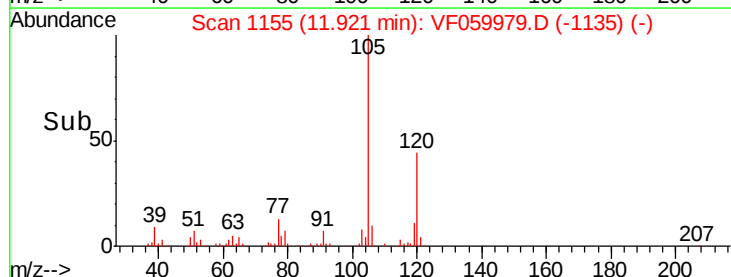
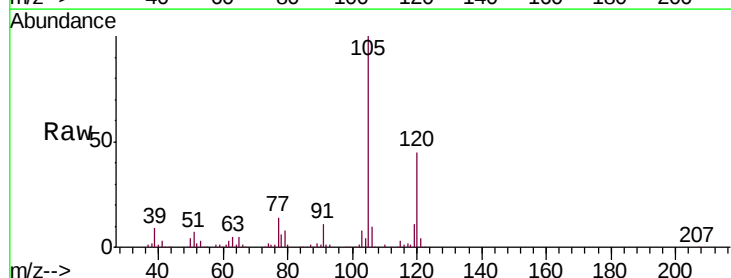
Acq: 17 Aug 2018 18:04

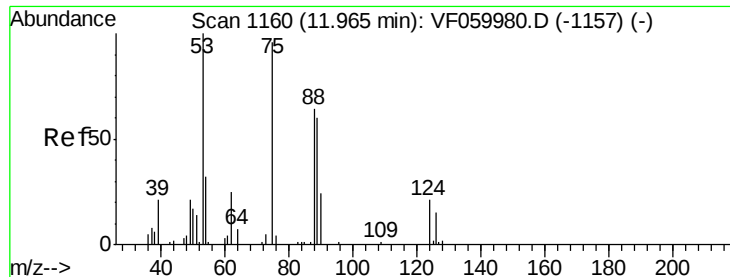
Tgt Ion: 105 Resp: 158513

Ion Ratio Lower Upper

105 100

120 44.8 22.9 68.7





#81

trans-1,4-Dichloro-2-butene

Concen: 21.466 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

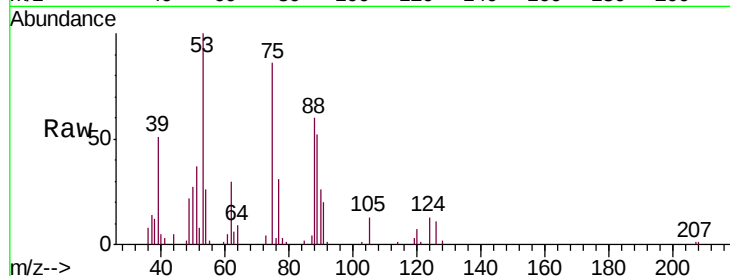
Tgt Ion: 75 Resp: 16117

Ion Ratio Lower Upper

75 100

53 116.9 87.4 131.0

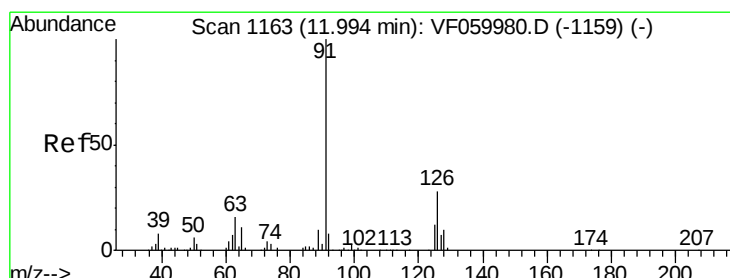
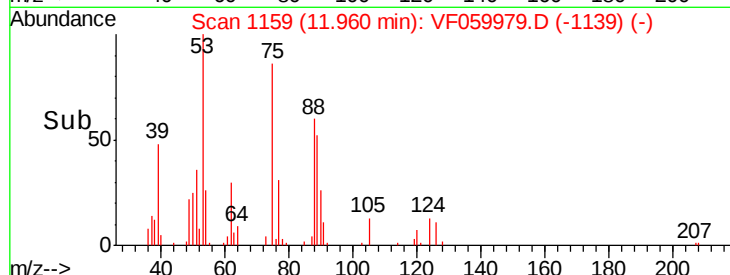
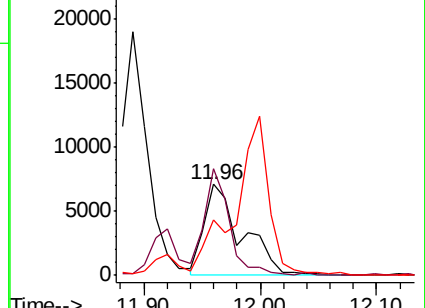
89 60.5 52.8 79.2



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: 21.368 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. 0.01 min

Lab File: VF059979.D

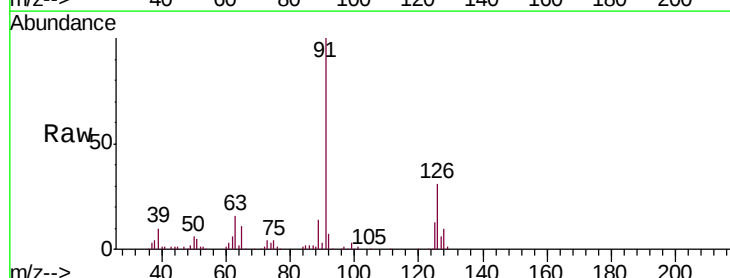
Acq: 17 Aug 2018 18:04

Tgt Ion: 91 Resp: 141332

Ion Ratio Lower Upper

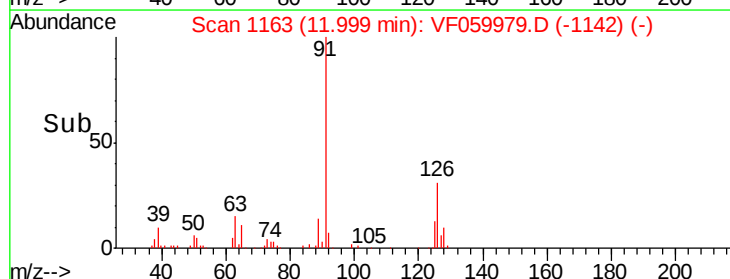
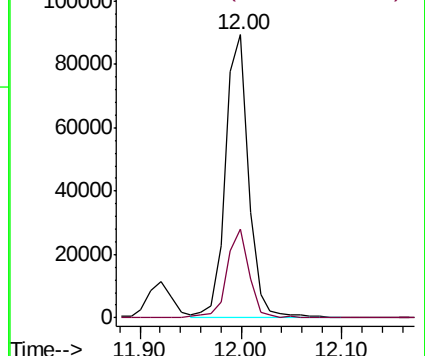
91 100

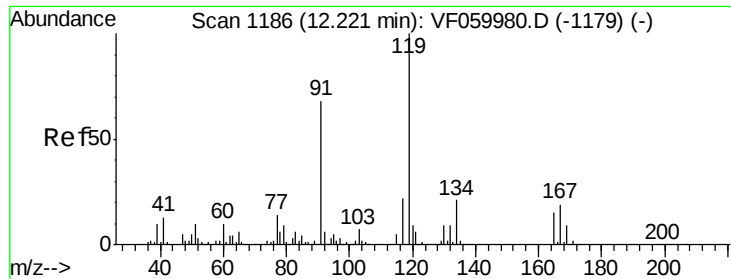
126 31.2 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

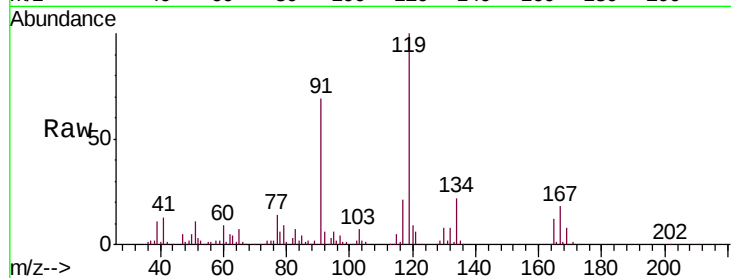




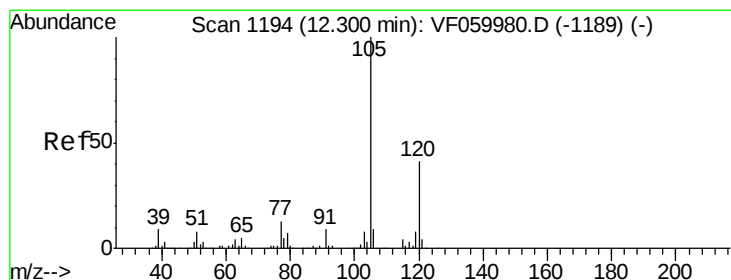
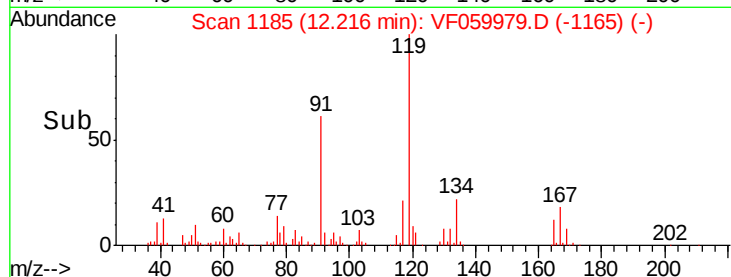
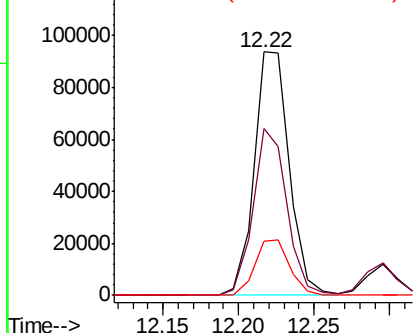
#83
 tert-Butylbenzene
 Concen: 21.318 ug/l
 RT: 12.22 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF059979.D
 Acq: 17 Aug 2018 18:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tgt Ion:119 Resp: 152344
 Ion Ratio Lower Upper
 119 100
 91 68.7 34.1 102.2
 134 22.4 10.5 31.6

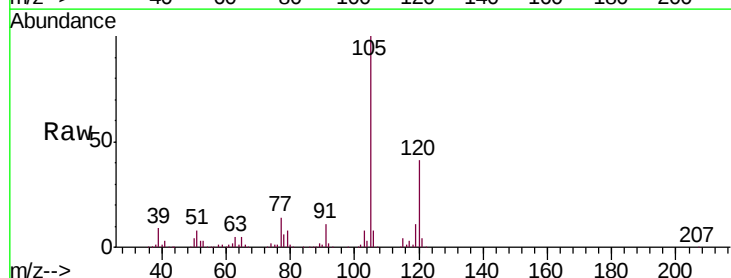


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

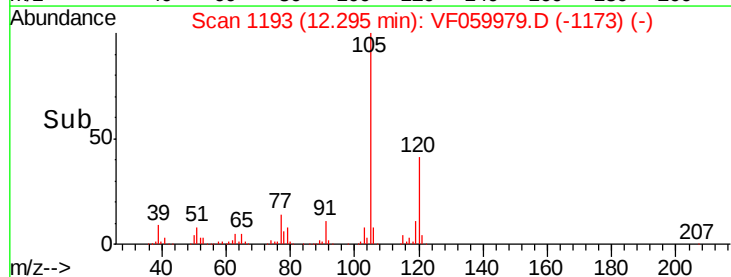
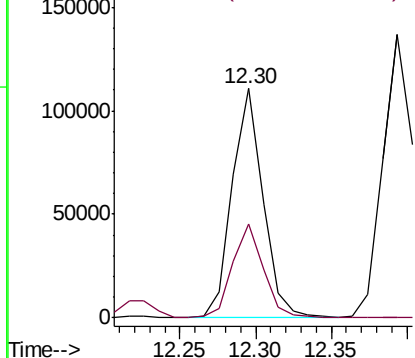


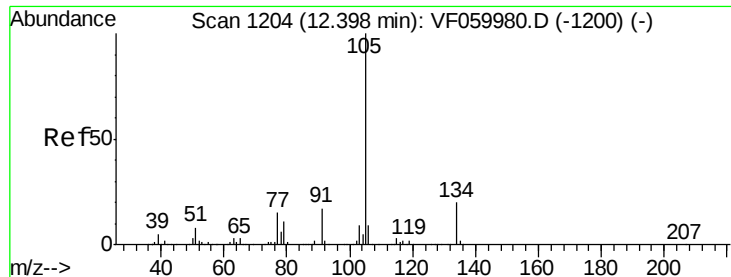
#84
 1,2,4-Trimethylbenzene
 Concen: 20.651 ug/l
 RT: 12.30 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VF059979.D
 Acq: 17 Aug 2018 18:04

Tgt Ion:105 Resp: 156813
 Ion Ratio Lower Upper
 105 100
 120 40.8 20.9 62.7



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

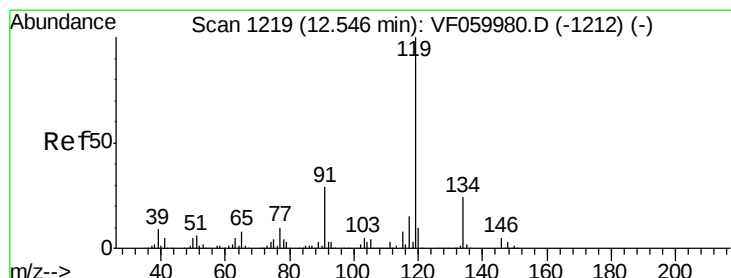
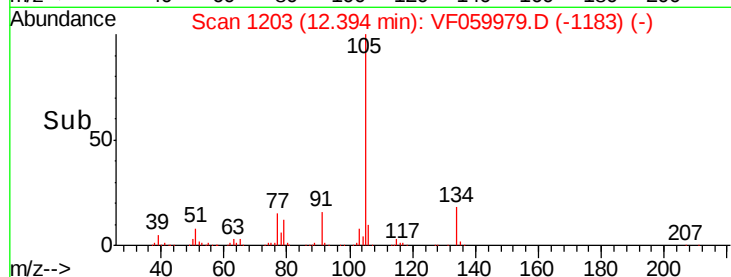
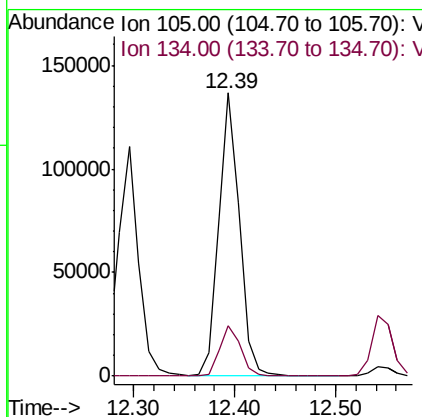
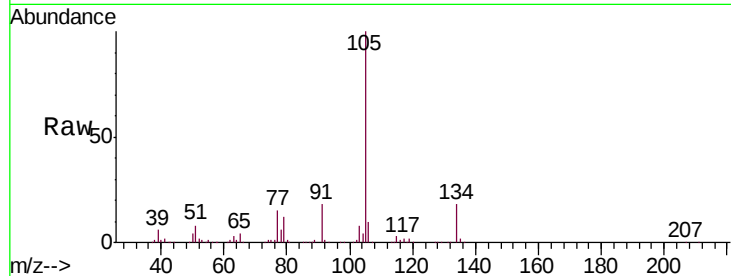




#85
 sec-Butylbenzene
 Concen: 21.001 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VF059979.D
 Acq: 17 Aug 2018 18:04

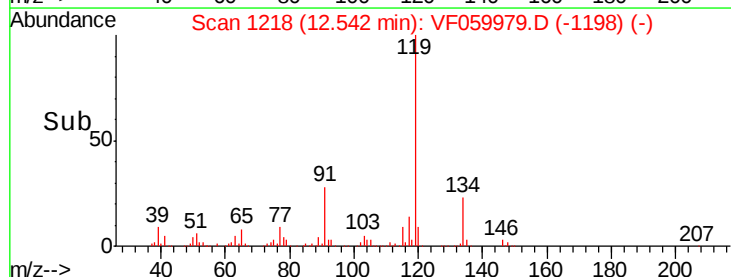
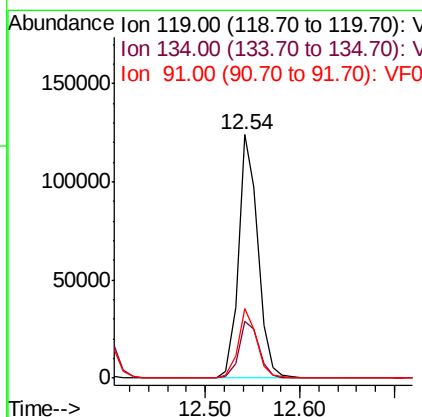
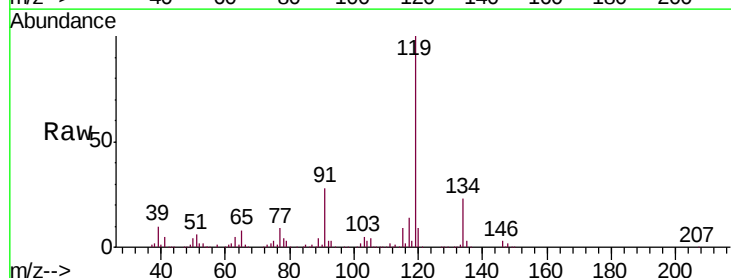
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

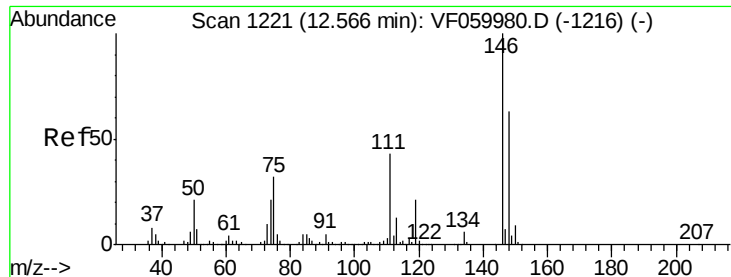
Tgt Ion:105 Resp: 196372
 Ion Ratio Lower Upper
 105 100
 134 17.9 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 21.285 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF059979.D
 Acq: 17 Aug 2018 18:04

Tgt Ion:119 Resp: 175944
 Ion Ratio Lower Upper
 119 100
 134 23.4 12.1 36.3
 91 28.4 14.4 43.4

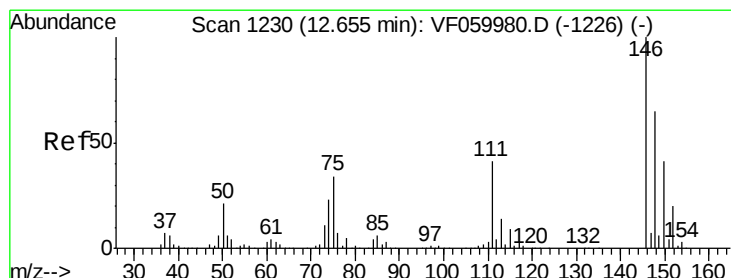
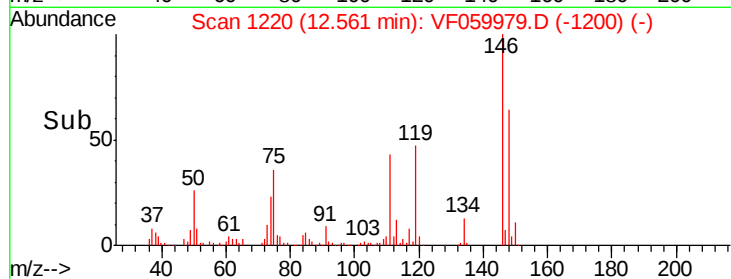
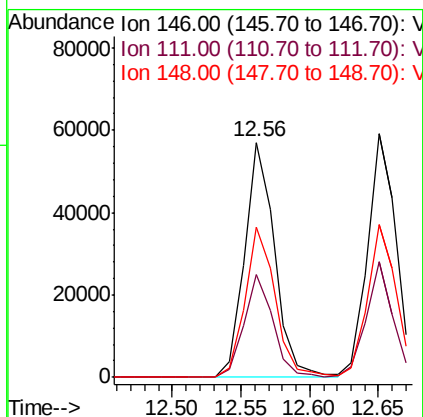
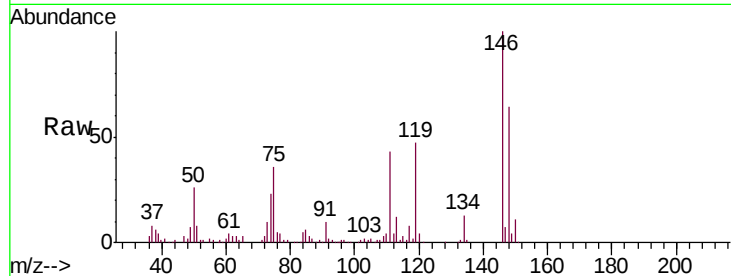




#87
 1,3-Dichlorobenzene
 Concen: 20.539 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF059979.D
 Acq: 17 Aug 2018 18:04

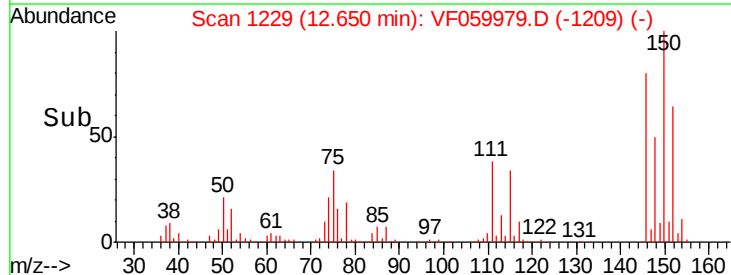
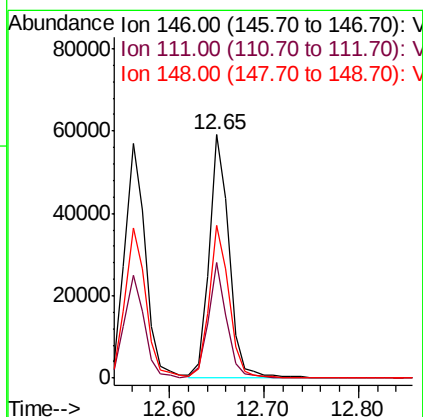
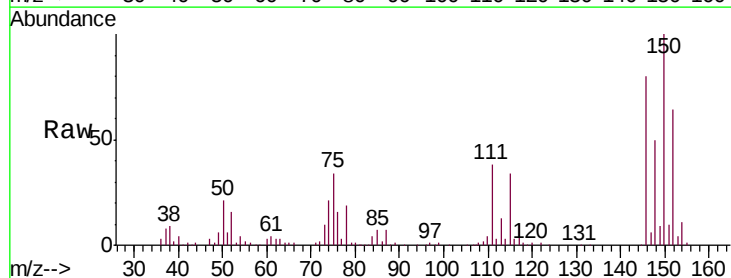
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

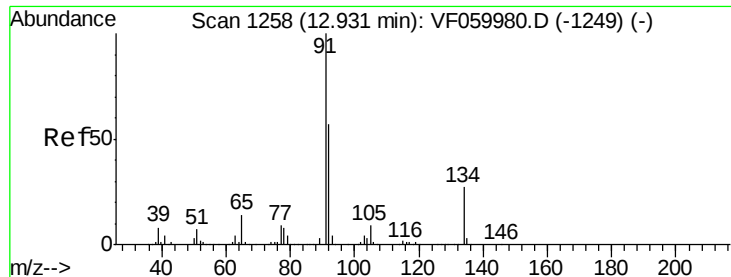
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.3	63.7
148	63.8	31.6	95.0



#88
 1,4-Dichlorobenzene
 Concen: 20.992 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF059979.D
 Acq: 17 Aug 2018 18:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.6	20.3	61.0
148	62.8	32.6	97.8





#89

n-Butylbenzene

Concen: 21.100 ug/l

RT: 12.93 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

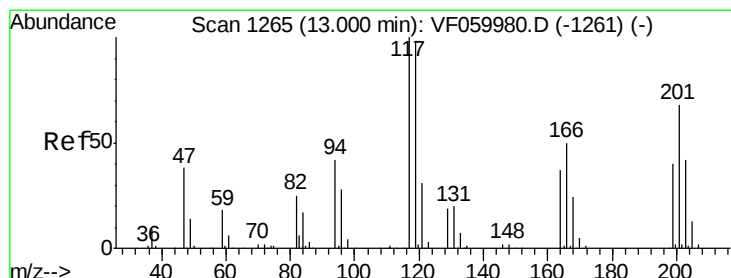
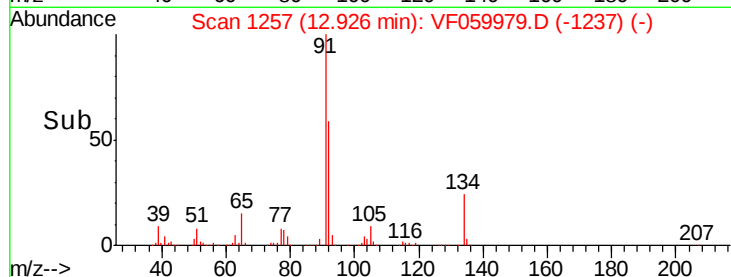
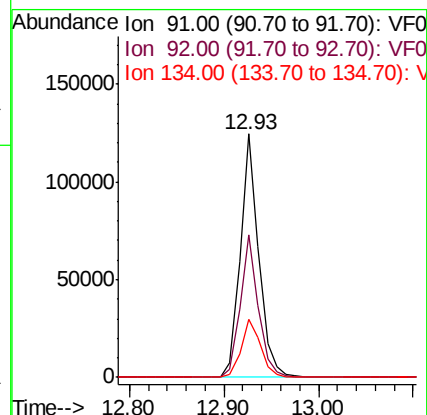
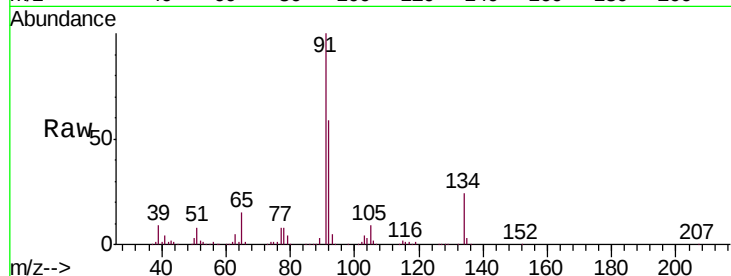
Tgt Ion: 91 Resp: 168600

Ion Ratio Lower Upper

91 100

92 58.6 28.7 86.3

134 24.0 13.3 39.9



#90

Hexachloroethane

Concen: 21.438 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF059979.D

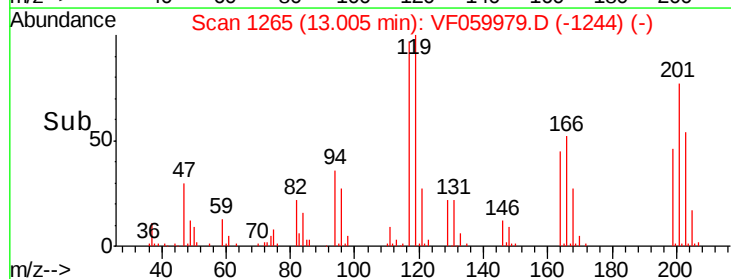
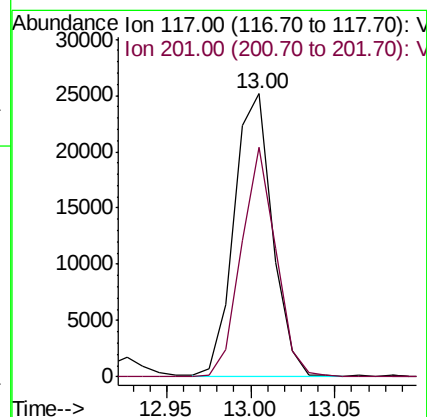
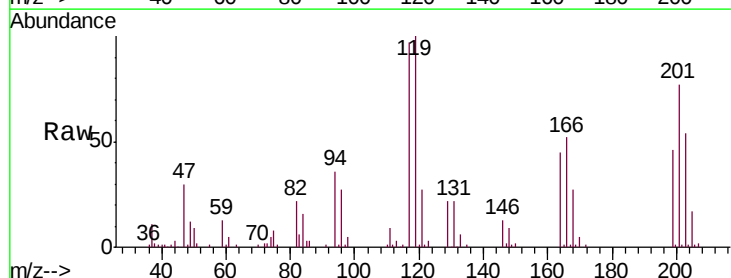
Acq: 17 Aug 2018 18:04

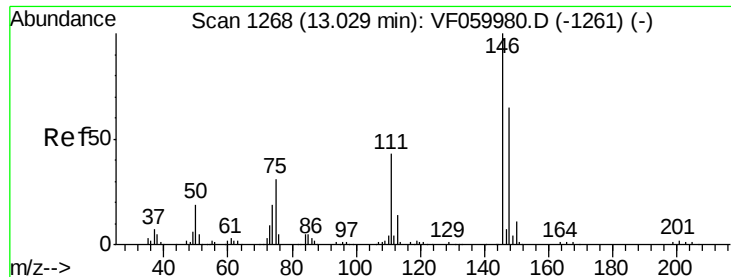
Tgt Ion: 117 Resp: 39874

Ion Ratio Lower Upper

117 100

201 81.0 34.5 103.5





#91

1,2-Dichlorobenzene

Concen: 20.448 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

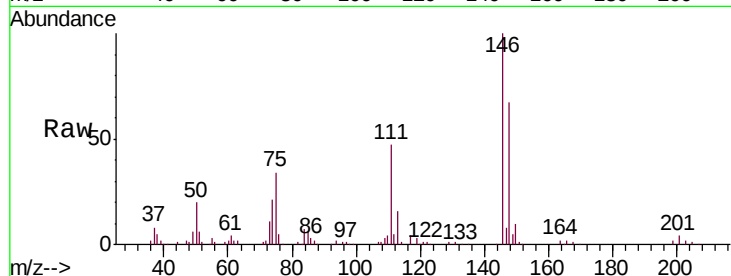
Tgt Ion:146 Resp: 83819

Ion Ratio Lower Upper

146 100

111 47.0 21.4 64.3

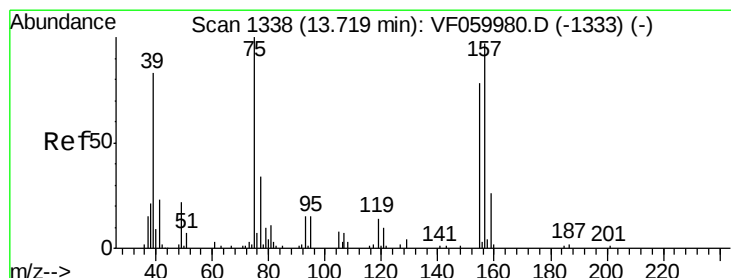
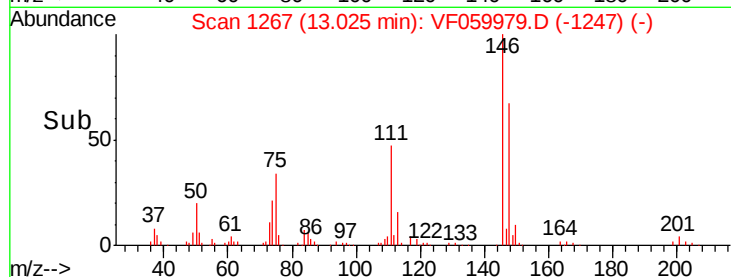
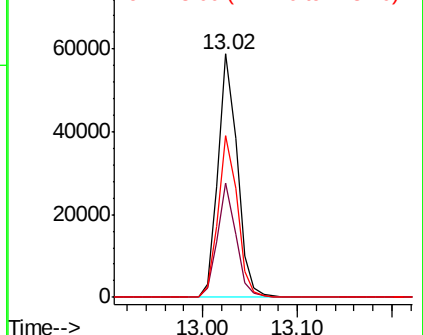
148 66.5 32.5 97.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.891 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VF059979.D

Acq: 17 Aug 2018 18:04

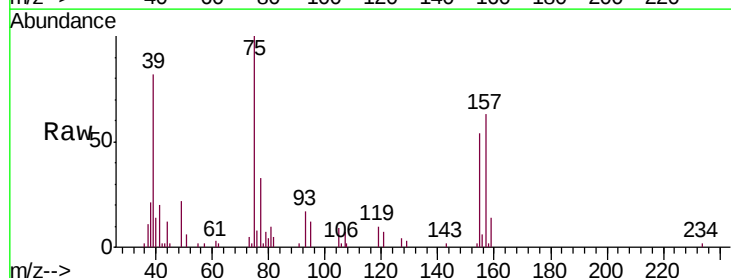
Tgt Ion: 75 Resp: 9594

Ion Ratio Lower Upper

75 100

155 54.3 38.9 116.7

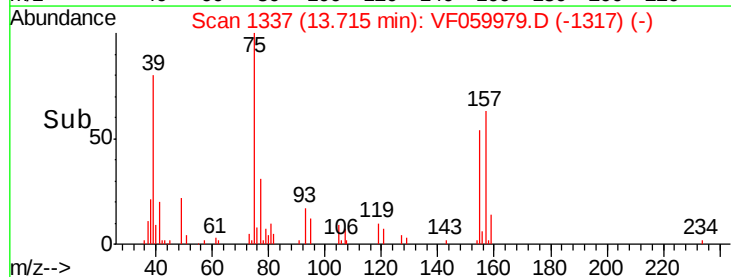
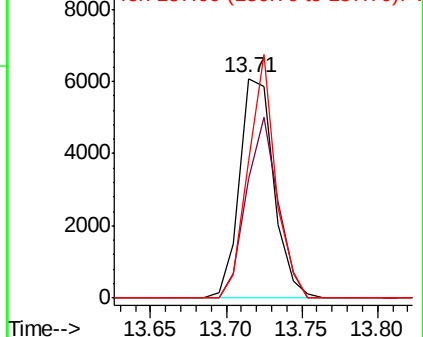
157 62.8 50.8 152.5

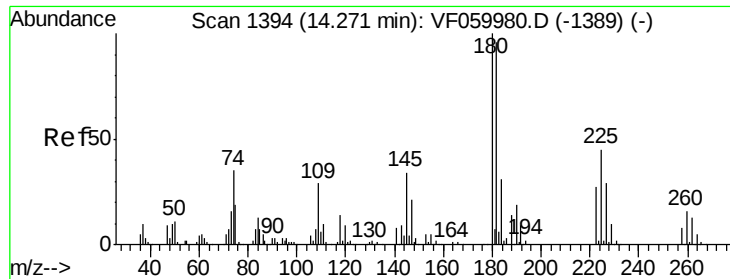


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

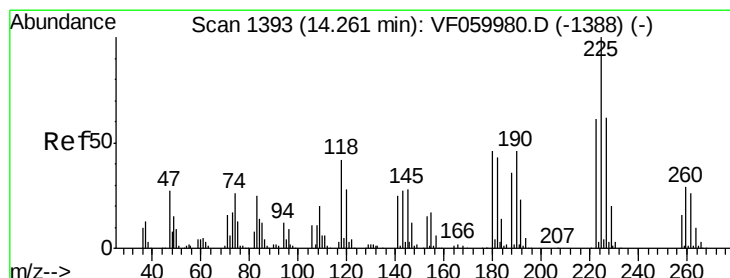
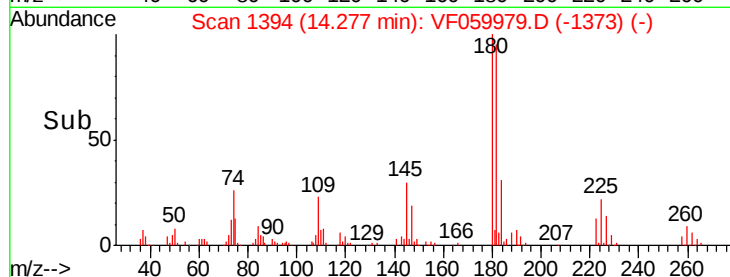
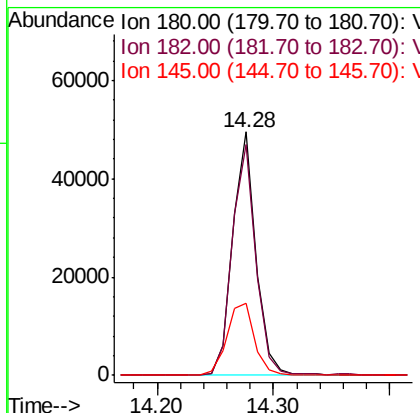
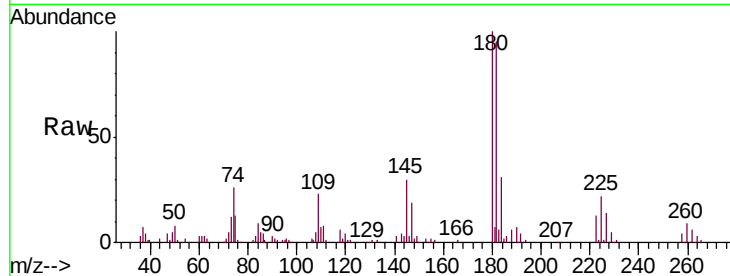




#93
 1,2,4-Trichlorobenzene
 Concen: 20.553 ug/l
 RT: 14.28 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF059979.D
 Acq: 17 Aug 2018 18:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 68353
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.9 143.6
 145 29.7 17.2 51.5



#94
 Hexachlorobutadiene
 Concen: 21.963 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059979.D
 Acq: 17 Aug 2018 18:04

Tgt Ion:225 Resp: 48233
 Ion Ratio Lower Upper
 225 100
 223 59.8 29.1 87.4
 227 63.4 29.8 89.5

