

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF050919\
 Data File : VF062411.D
 Acq On : 9 May 2019 22:26
 Operator : FY/SY
 Sample : K2645-07
 Misc : 5.79g/5mL/MSVOA_F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-02-050719-D

Quant Time: May 10 01:56:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

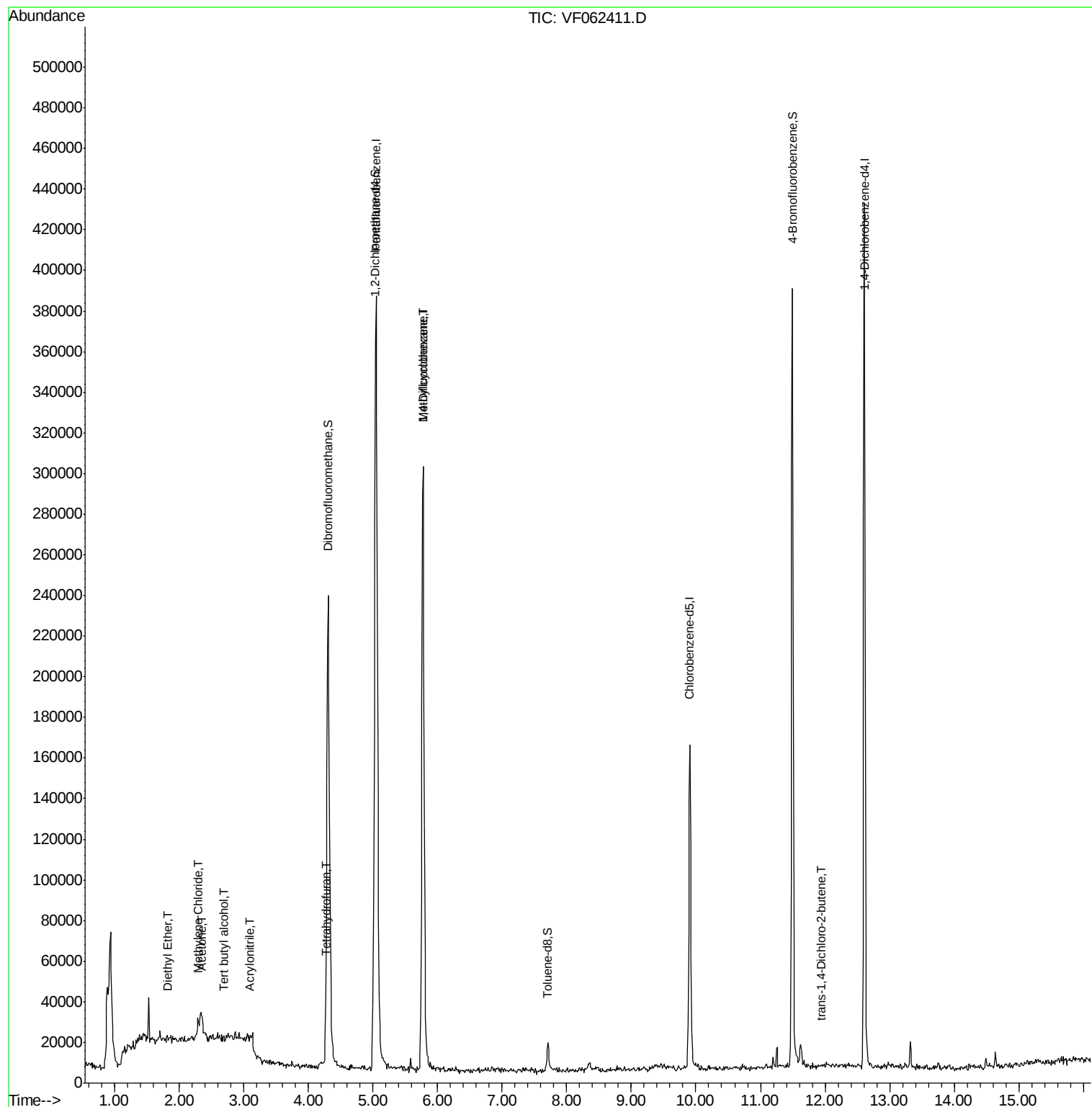
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	269291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	324410	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	112875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	111251	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	197943	77.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	155.56%	
35) Dibromofluoromethane	4.31	113	205160	79.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	158.76%	
50) Toluene-d8	7.71	98	10960	1.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	3.50%	
62) 4-Bromofluorobenzene	11.49	95	124952	44.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.54%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.42	94	843	Below Cal	#	3
8) Diethyl Ether	1.81	74	791	1.229	ug/l	89
11) Tert butyl alcohol	2.70	59	1311	9.115	ug/l #	25
13) Acrolein	2.13	56	311	Below Cal	#	1
15) Acrylonitrile	3.10	53	671	2.463	ug/l #	11
16) Acetone	2.36	43	10362	20.128	ug/l #	83
18) Methyl Acetate	2.47	43	2108	Below Cal	#	85
20) Methylene Chloride	2.29	84	4540	2.437	ug/l	94
29) Tetrahydrofuran	4.26	42	1246	4.192	ug/l #	54
37) Ethyl Acetate	4.30	43	638	Below Cal	#	73
38) Carbon Tetrachloride	4.18	117	116	Below Cal	#	51
39) Methylcyclohexane	5.77	83	5101	1.825	ug/l #	51
49) 1,4-Dioxane	6.89	88	74	Below Cal	#	1
81) trans-1,4-Dichloro-2-buten	11.95	75	393	1.327	ug/l #	22

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF062411.D

Acq: 9 May 2019 22:26

Instrument :

MSVOA_F

ClientSampleId :

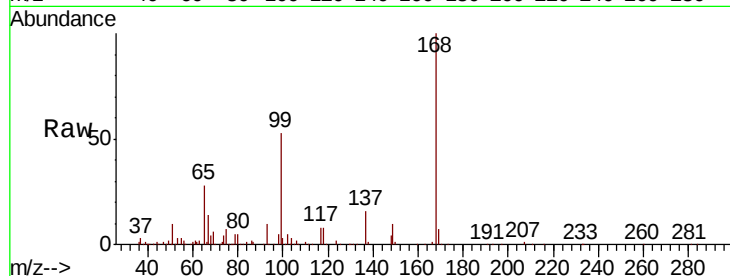
PL-02-050719-D

Tgt Ion:168 Resp: 269291

Ion Ratio Lower Upper

168 100

99 52.7 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

100000

80000

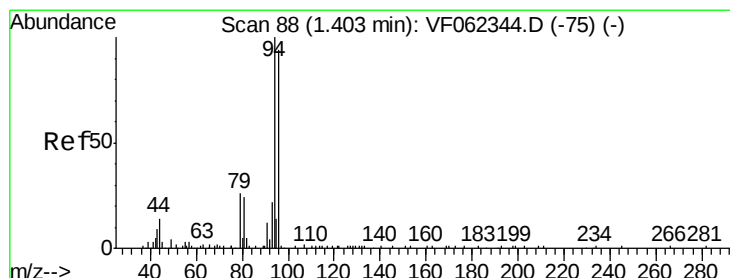
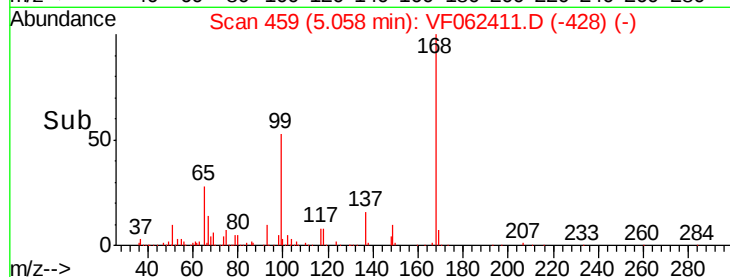
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.42 min Scan# 90

Delta R.T. 0.02 min

Lab File: VF062411.D

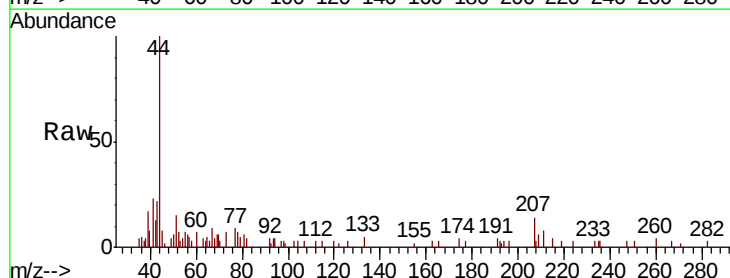
Acq: 9 May 2019 22:26

Tgt Ion: 94 Resp: 843

Ion Ratio Lower Upper

94 100

96 0.0 75.4 113.2#



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

1.42

500

400

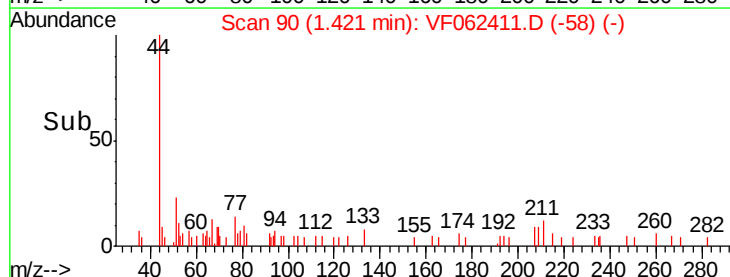
300

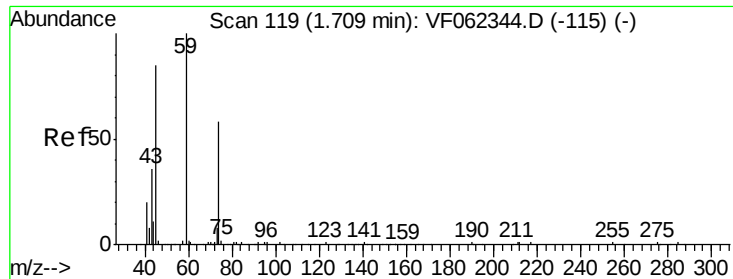
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100

0

Time-->

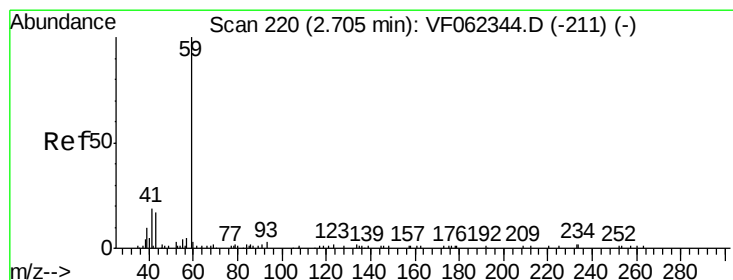
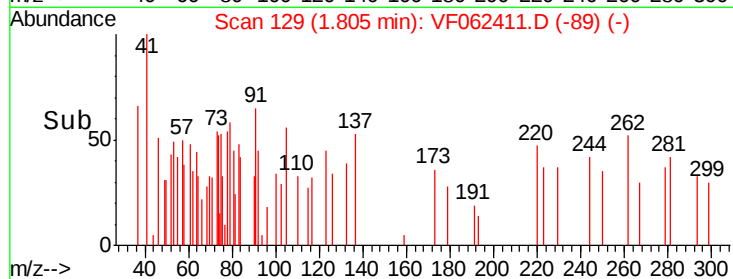
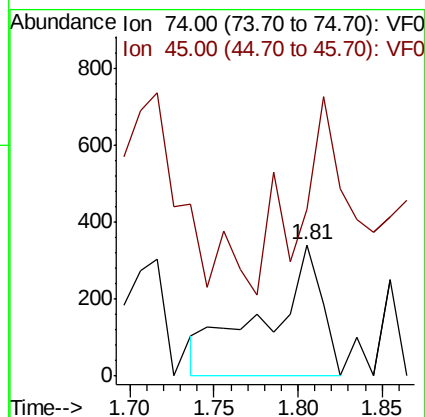
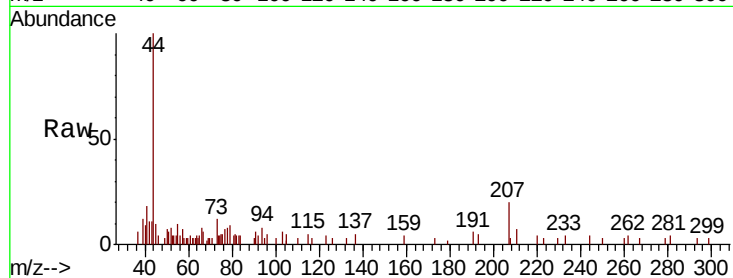




#8
Diethyl Ether
Concen: 1.229 ug/l
RT: 1.81 min Scan# 129
Delta R.T. 0.10 min
Lab File: VF062411.D
Acq: 9 May 2019 22:26

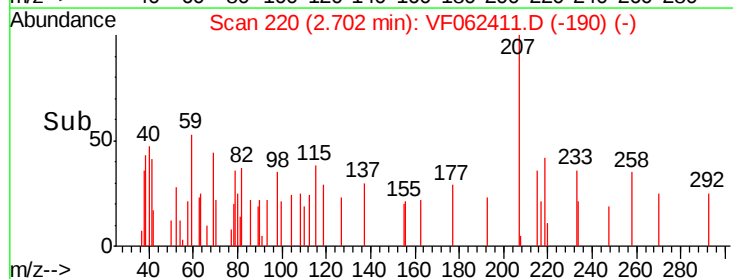
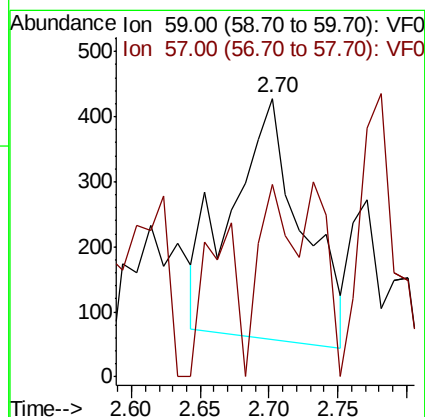
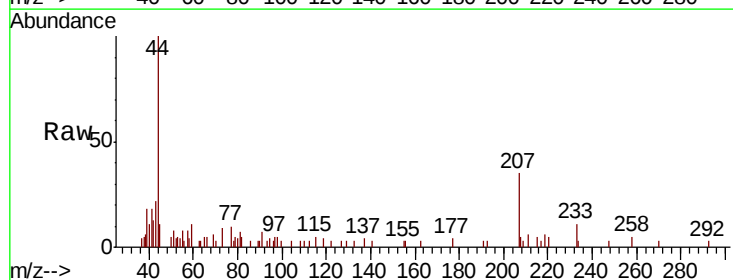
Instrument :
MSVOA_F
ClientSampleId :
PL-02-050719-D

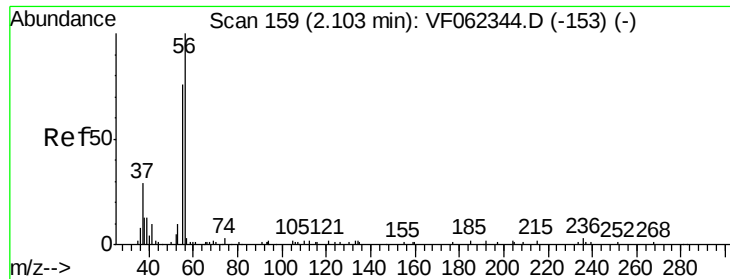
Tgt Ion: 74 Resp: 791
Ion Ratio Lower Upper
74 100
45 134.0 73.9 221.6



#11
Tert butyl alcohol
Concen: 9.115 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.00 min
Lab File: VF062411.D
Acq: 9 May 2019 22:26

Tgt Ion: 59 Resp: 1311
Ion Ratio Lower Upper
59 100
57 40.7 9.3 13.9#

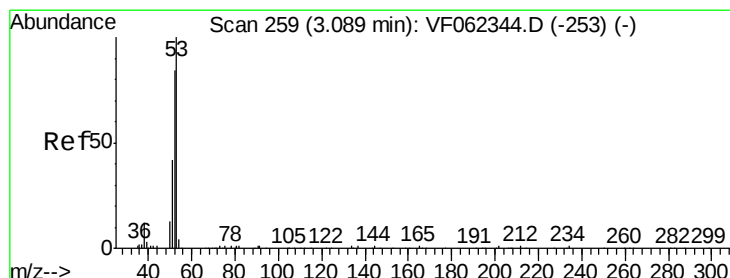
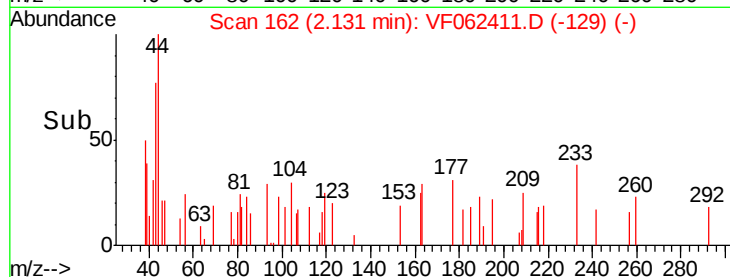
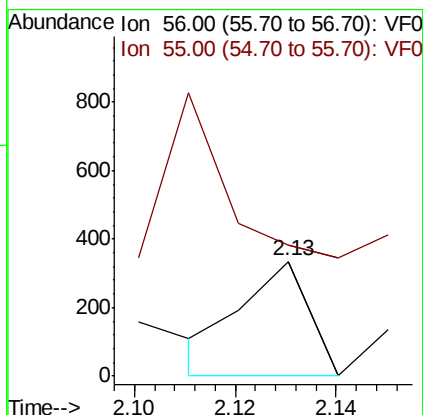
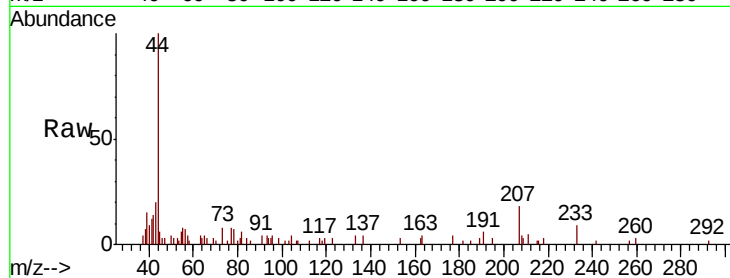




#13
Acrolein
Concen: Below Cal
RT: 2.13 min Scan# 162
Delta R.T. 0.03 min
Lab File: VF062411.D
Acq: 9 May 2019 22:26

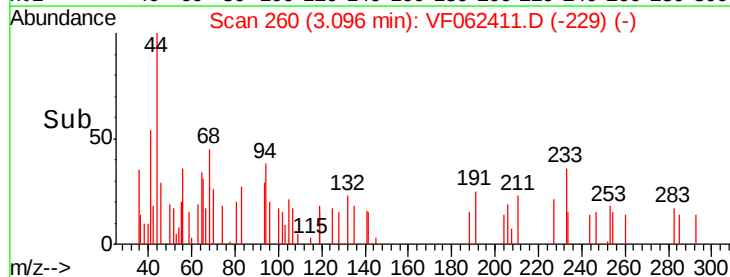
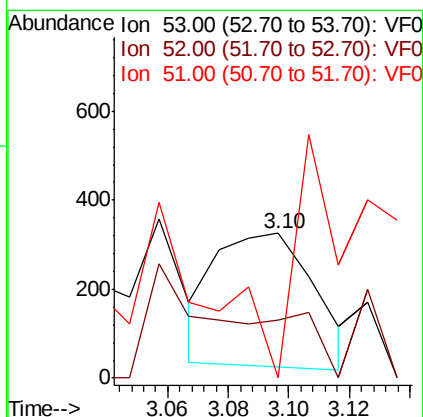
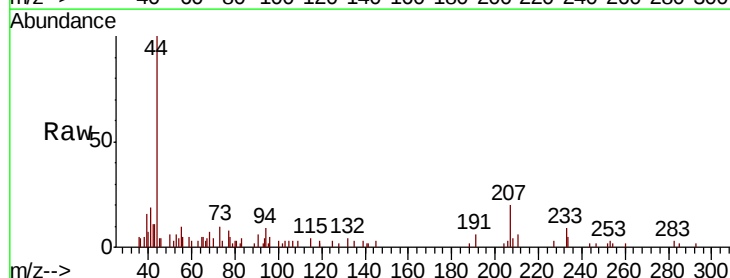
Instrument :
MSVOA_F
ClientSampleId :
PL-02-050719-D

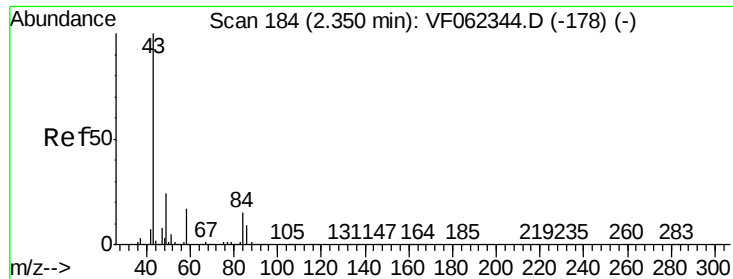
Tgt Ion: 56 Resp: 311
Ion Ratio Lower Upper
56 100
55 176.2 58.4 87.6#



#15
Acrylonitrile
Concen: 2.463 ug/l
RT: 3.10 min Scan# 260
Delta R.T. 0.01 min
Lab File: VF062411.D
Acq: 9 May 2019 22:26

Tgt Ion: 53 Resp: 671
Ion Ratio Lower Upper
53 100
52 0.0 77.2 115.8#
51 100.3 40.6 61.0#

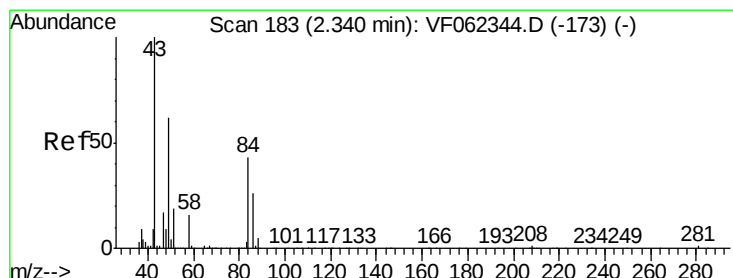
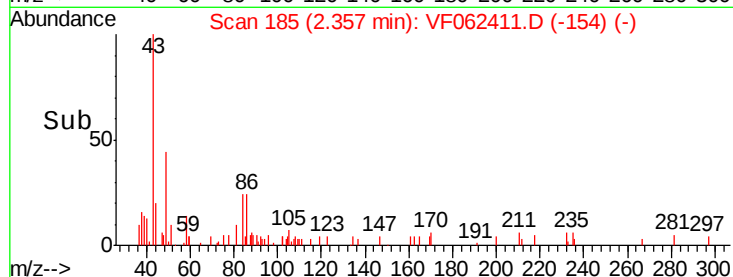
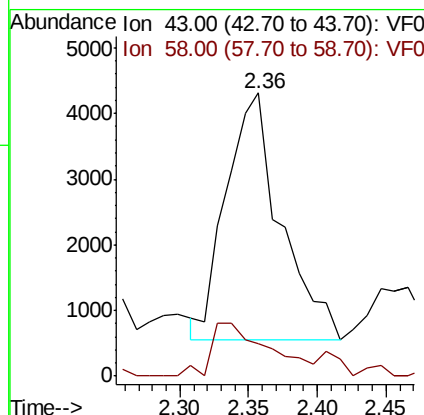
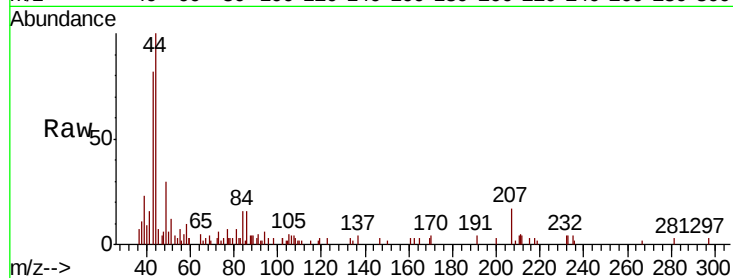




#16
Acetone
Concen: 20.128 ug/l
RT: 2.36 min Scan# 185
Delta R.T. 0.01 min
Lab File: VF062411.D
Acq: 9 May 2019 22:26

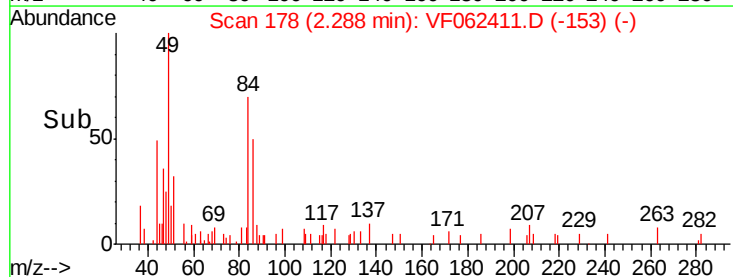
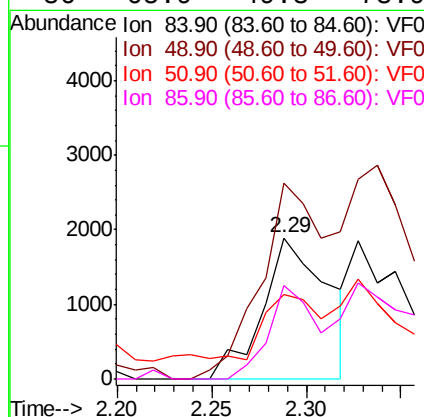
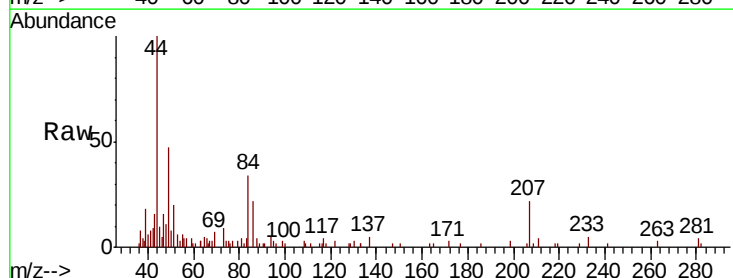
Instrument :
MSVOA_F
ClientSampleId :
PL-02-050719-D

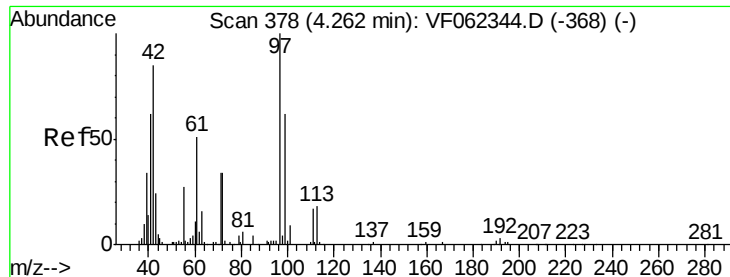
Tgt Ion: 43 Resp: 10362
Ion Ratio Lower Upper
43 100
58 8.9 13.1 19.7#



#20
Methylene Chloride
Concen: 2.437 ug/l
RT: 2.29 min Scan# 178
Delta R.T. -0.05 min
Lab File: VF062411.D
Acq: 9 May 2019 22:26

Tgt Ion: 84 Resp: 4540
Ion Ratio Lower Upper
84 100
49 138.8 117.5 176.3
51 42.4 37.0 55.4
86 65.9 49.3 73.9





#29

Tetrahydrofuran

Concen: 4.192 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.00 min

Lab File: VF062411.D

Acq: 9 May 2019 22:26

Instrument :

MSVOA_F

ClientSampleId :

PL-02-050719-D

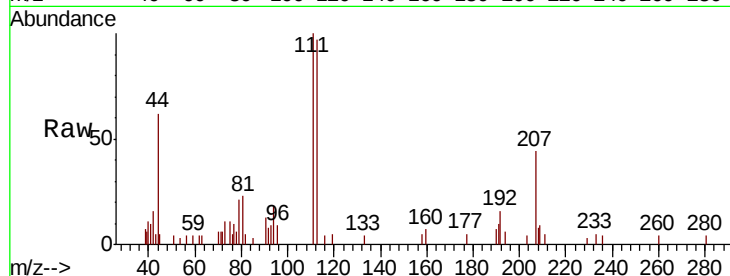
Tgt Ion: 42 Resp: 1246

Ion Ratio Lower Upper

42 100

72 7.9 31.4 47.0#

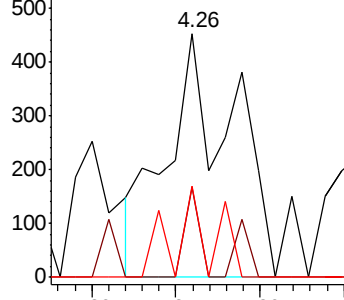
71 14.7 31.7 47.5#



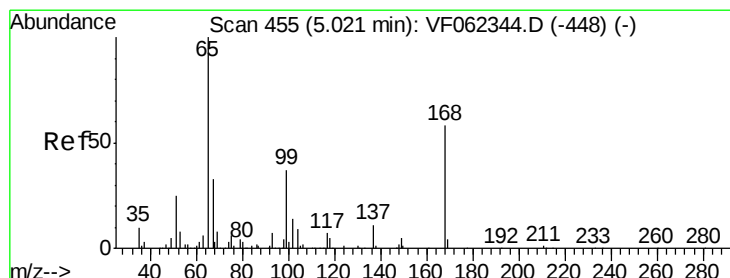
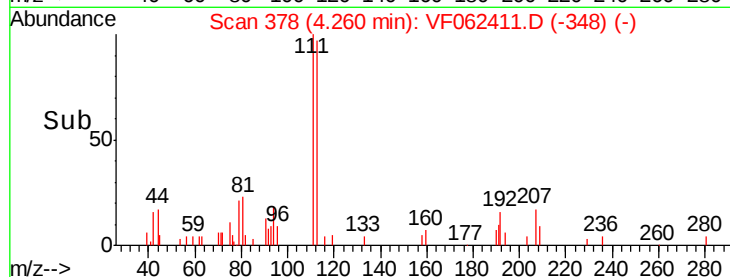
Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



Time-->



#33

1,2-Dichloroethane-d4

Concen: 77.780 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.01 min

Lab File: VF062411.D

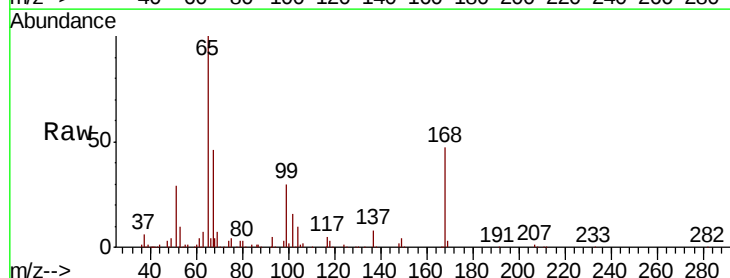
Acq: 9 May 2019 22:26

Tgt Ion: 65 Resp: 197943

Ion Ratio Lower Upper

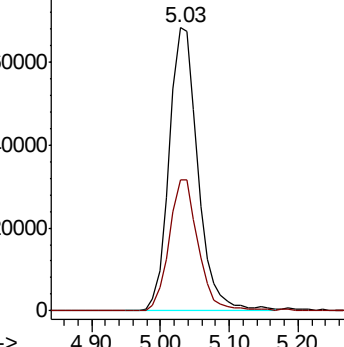
65 100

67 46.8 0.0 85.8

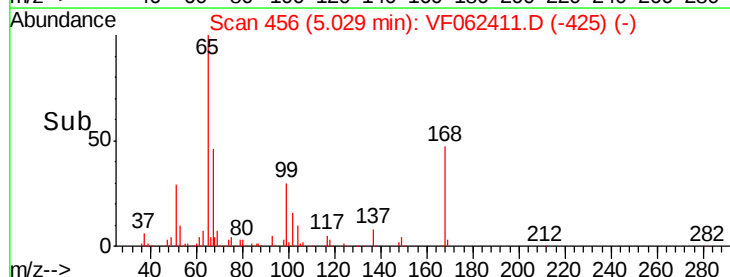


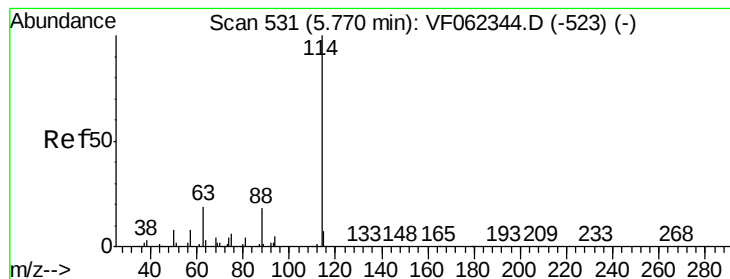
Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. 0.01 min

Lab File: VF062411.D

Acq: 9 May 2019 22:26

Instrument :

MSVOA_F

ClientSampleId :

PL-02-050719-D

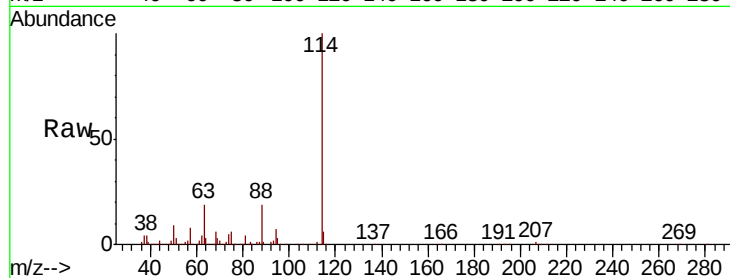
Tgt Ion:114 Resp: 324410

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.4

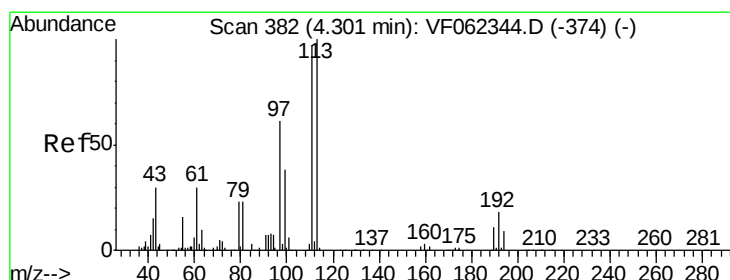
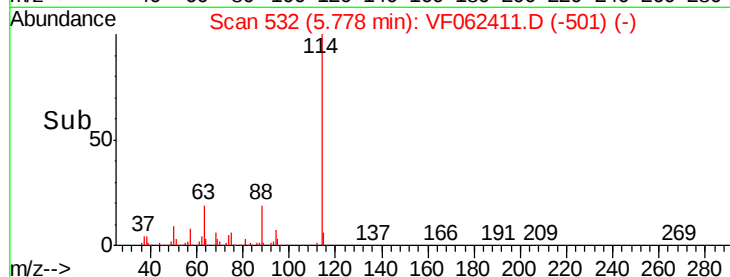
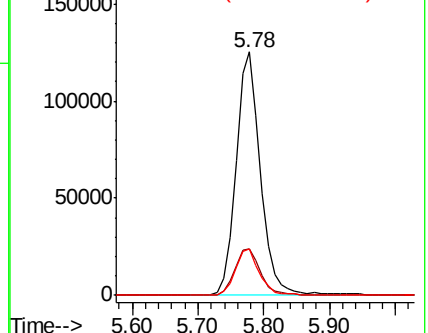
88 19.2 0.0 36.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0



#35

Dibromofluoromethane

Concen: 79.380 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF062411.D

Acq: 9 May 2019 22:26

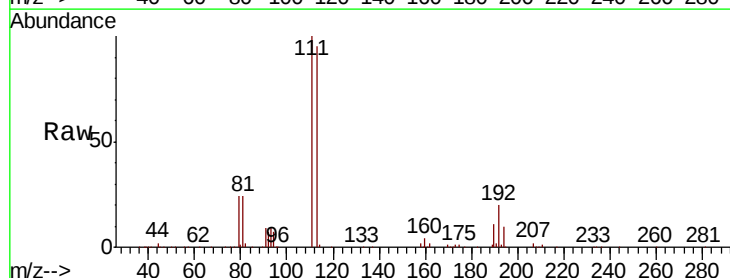
Tgt Ion:113 Resp: 205160

Ion Ratio Lower Upper

113 100

111 102.7 79.4 119.0

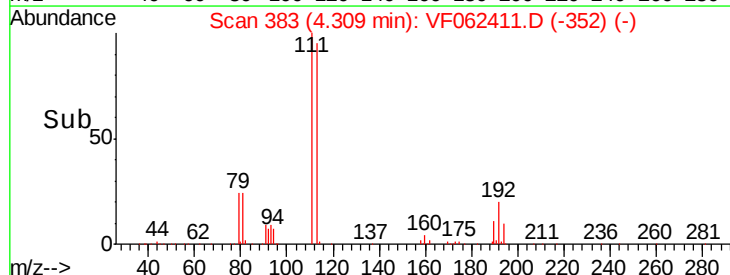
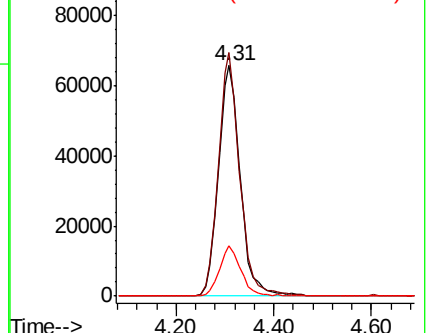
192 21.1 16.0 24.0

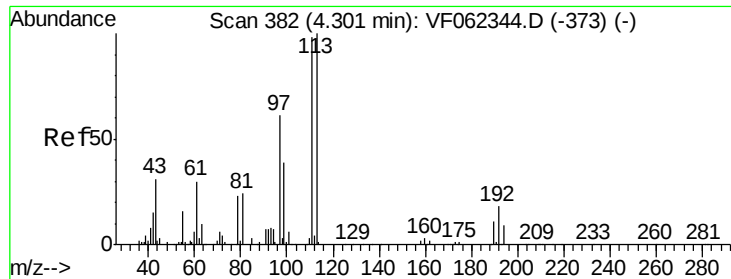


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

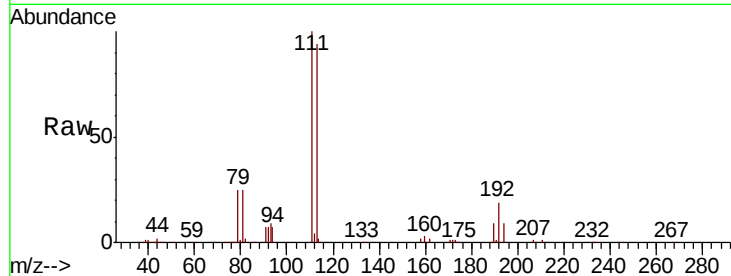




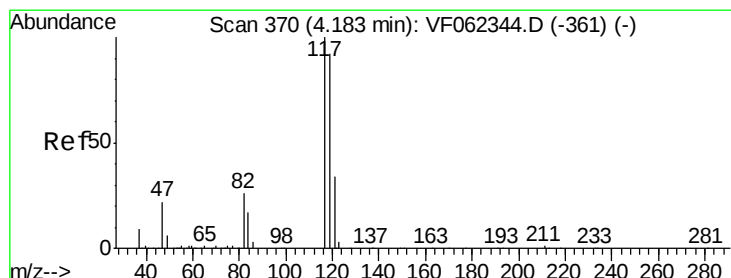
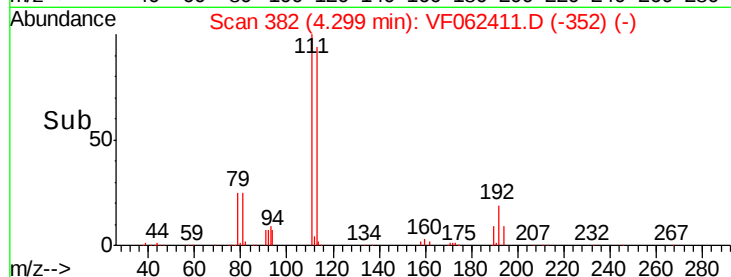
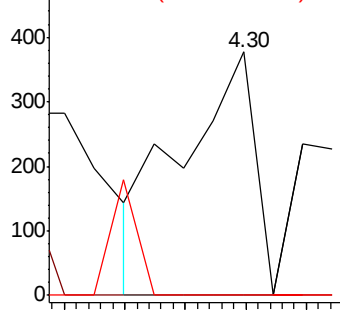
#37
Ethyl Acetate
Concen: Below Cal
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF062411.D
Acq: 9 May 2019 22:26

Instrument :
MSVOA_F
ClientSampleId :
PL-02-050719-D

Tgt Ion: 43 Resp: 638
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 0.0 8.2 12.2#

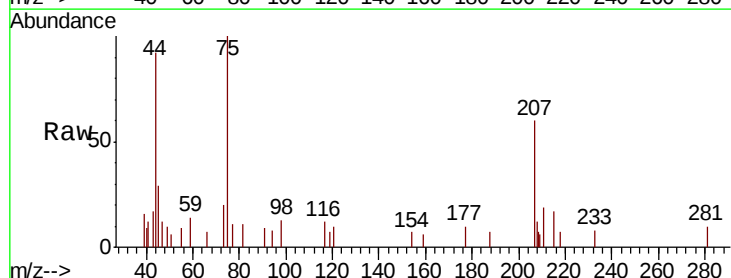


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 70.00 (69.70 to 70.70): VF0

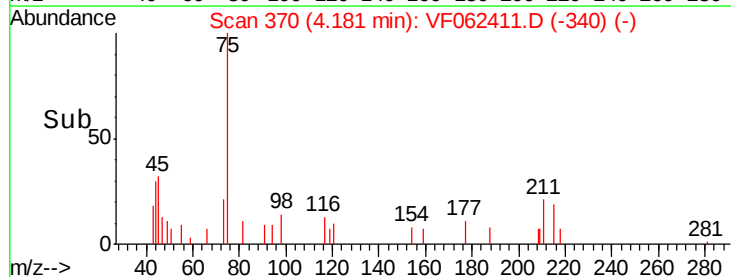
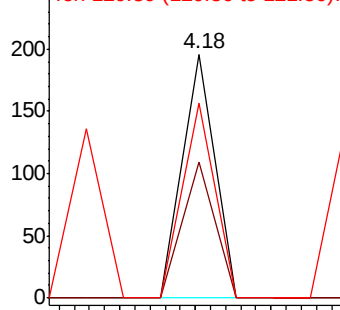


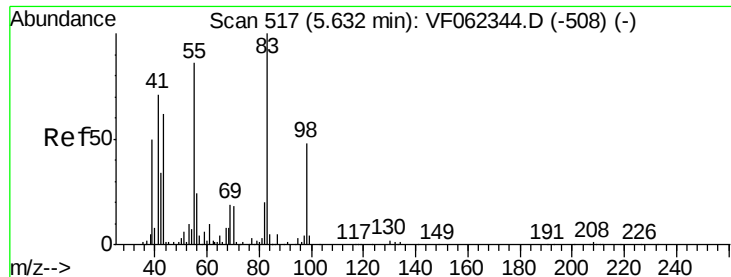
#38
Carbon Tetrachloride
Concen: Below Cal
RT: 4.18 min Scan# 370
Delta R.T. -0.00 min
Lab File: VF062411.D
Acq: 9 May 2019 22:26

Tgt Ion: 117 Resp: 116
Ion Ratio Lower Upper
117 100
119 55.6 73.4 110.2#
121 80.1 27.4 41.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

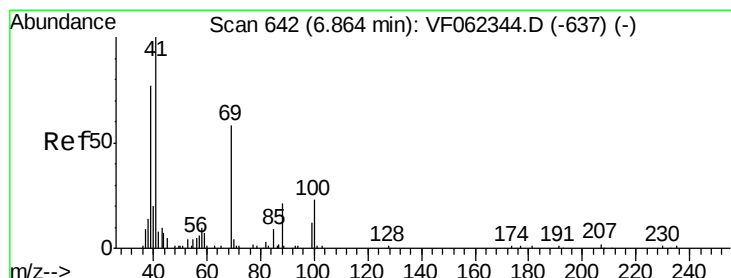
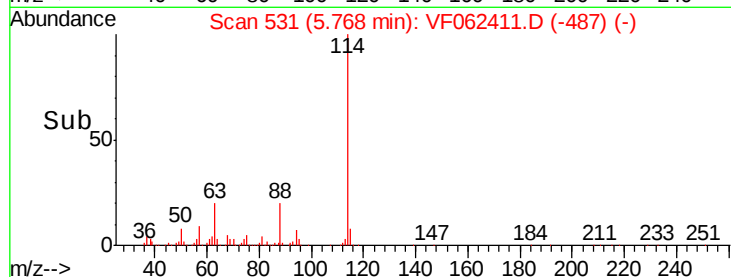
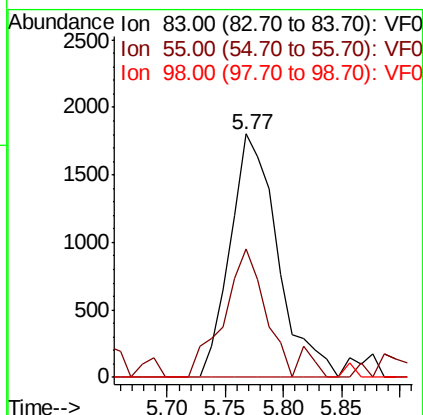
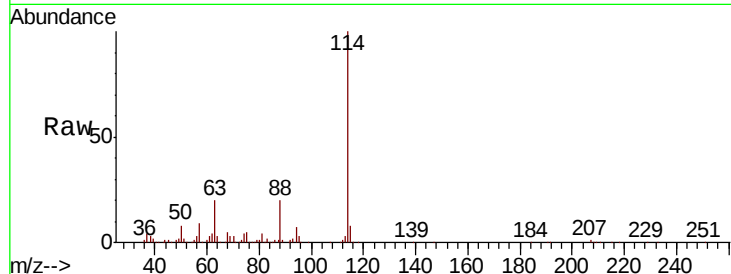




#39
Methylcyclohexane
Concen: 1.825 ug/l
RT: 5.77 min Scan# 531
Delta R.T. 0.14 min
Lab File: VF062411.D
Acq: 9 May 2019 22:26

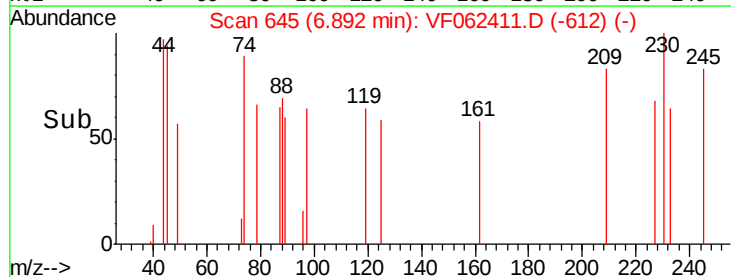
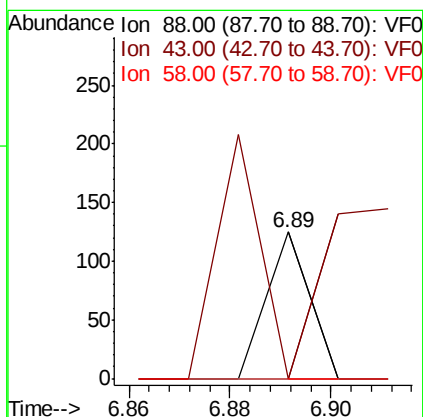
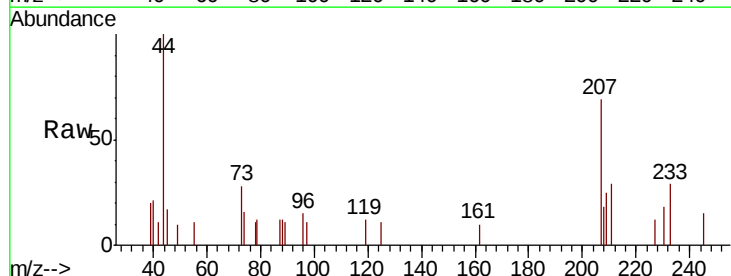
Instrument :
MSVOA_F
ClientSampleId :
PL-02-050719-D

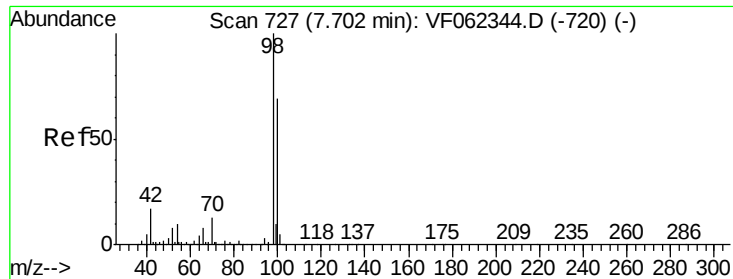
Tgt Ion: 83 Resp: 5101
Ion Ratio Lower Upper
83 100
55 52.8 69.0 103.6#
98 0.0 38.6 58.0#



#49
1,4-Dioxane
Concen: Below Cal
RT: 6.89 min Scan# 645
Delta R.T. 0.03 min
Lab File: VF062411.D
Acq: 9 May 2019 22:26

Tgt Ion: 88 Resp: 74
Ion Ratio Lower Upper
88 100
43 166.2 55.6 83.4#
58 0.0 52.8 79.2#

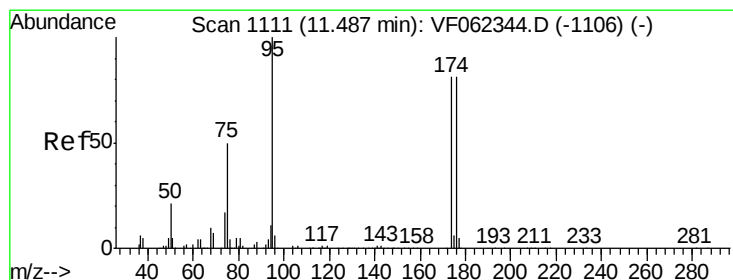
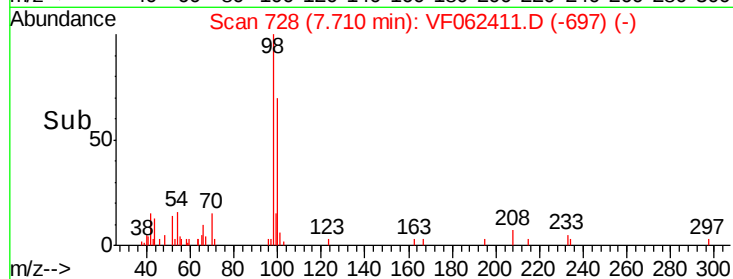
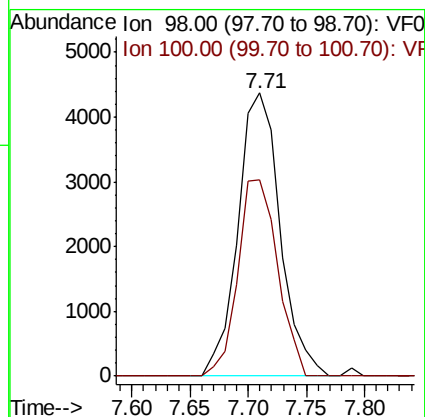
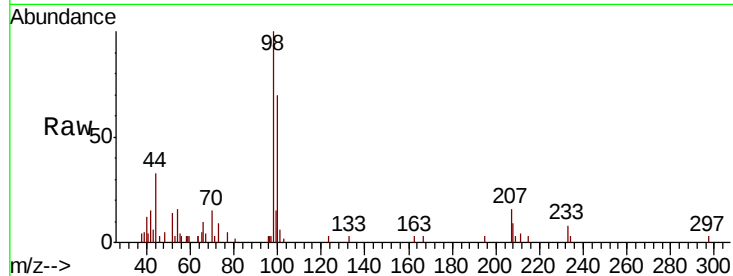




#50
Toluene-d8
Concen: 1.752 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.01 min
Lab File: VF062411.D
Acq: 9 May 2019 22:26

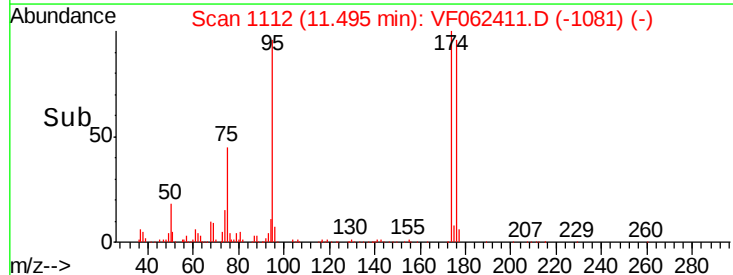
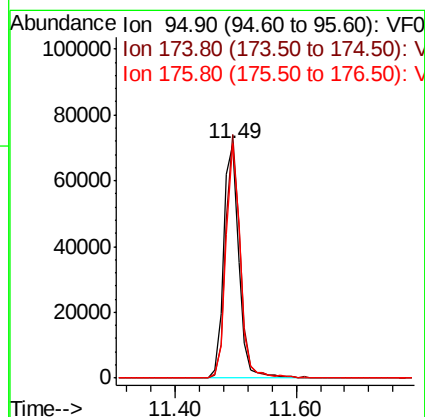
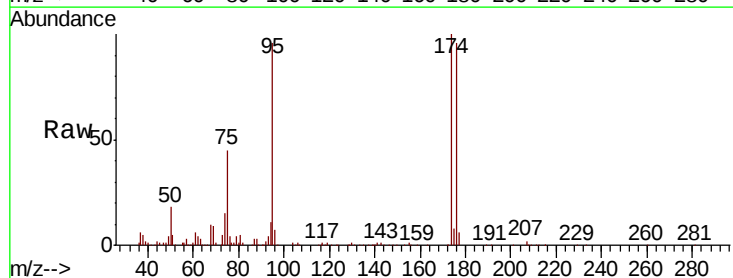
Instrument :
MSVOA_F
ClientSampleId :
PL-02-050719-D

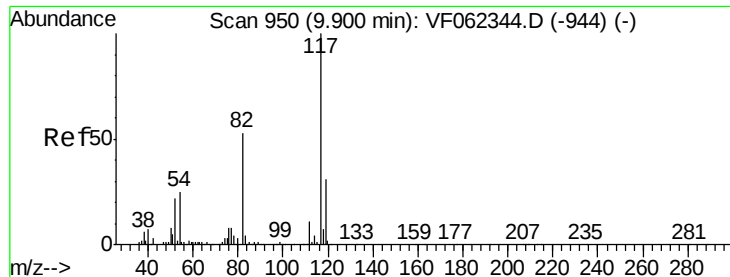
Tgt Ion: 98 Resp: 10960
Ion Ratio Lower Upper
98 100
100 65.3 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 44.269 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VF062411.D
Acq: 9 May 2019 22:26

Tgt Ion: 95 Resp: 124952
Ion Ratio Lower Upper
95 100
174 97.2 0.0 191.8
176 93.6 0.0 193.2

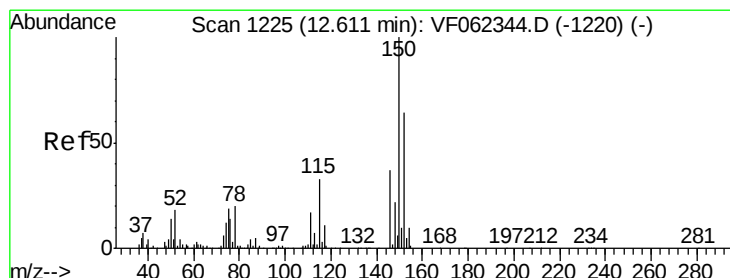
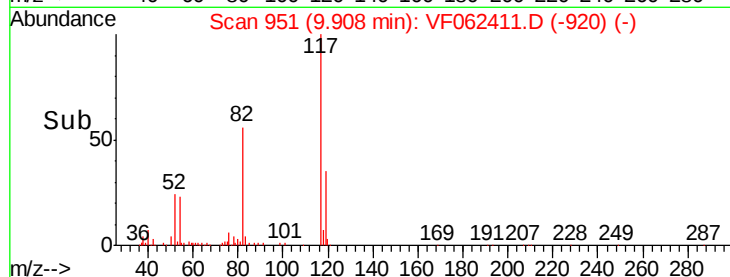
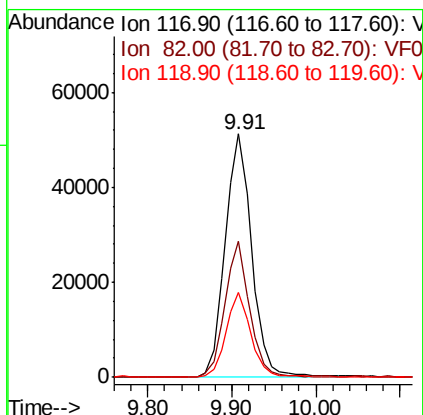
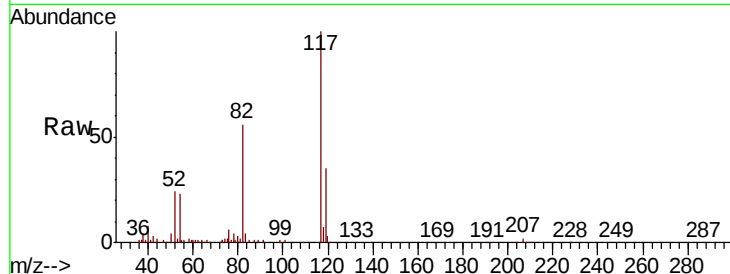




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. 0.01 min
Lab File: VF062411.D
Acq: 9 May 2019 22:26

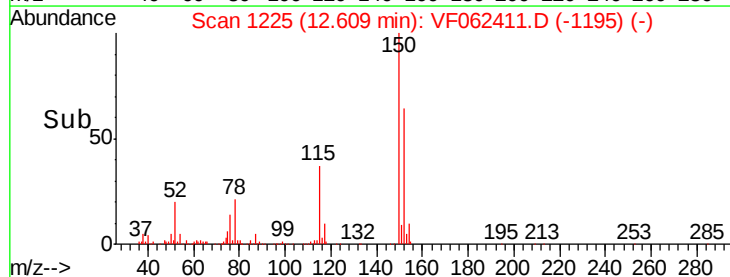
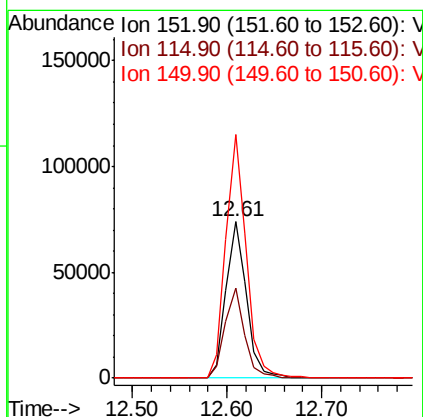
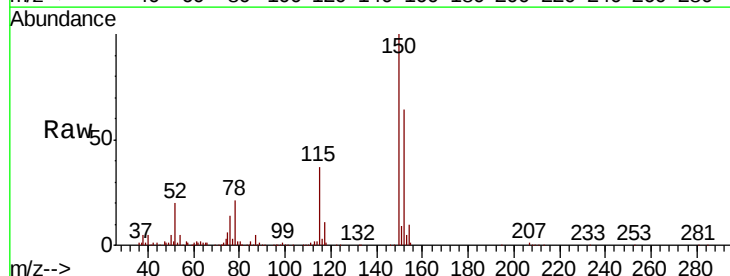
Instrument :
MSVOA_F
ClientSampleId :
PL-02-050719-D

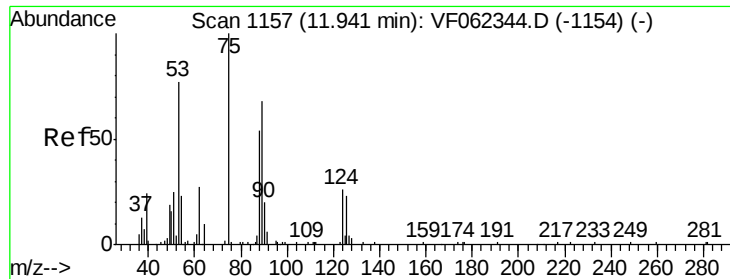
Tgt Ion:117 Resp: 112875
Ion Ratio Lower Upper
117 100
82 55.8 42.2 63.2
119 35.1 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VF062411.D
Acq: 9 May 2019 22:26

Tgt Ion:152 Resp: 111251
Ion Ratio Lower Upper
152 100
115 55.7 26.4 79.2
150 154.7 0.0 335.0





#81

trans-1,4-Dichloro-2-butene

Concen: 1.327 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VF062411.D

Acq: 9 May 2019 22:26

Instrument :

MSVOA_F

ClientSampleId :

PL-02-050719-D

Tgt Ion: 75 Resp: 393

Ion Ratio Lower Upper

75 100

53 16.8 71.9 107.9#

89 0.0 0.0 0.0

