

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051119\
 Data File : VF062469.D
 Acq On : 11 May 2019 19:27
 Operator : FY/SY
 Sample : K2734-17
 Misc : 5.93/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 12 03:49:06 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	284292	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	361021	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	282339	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	157488	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	122099	45.45	ug/l	0.01
Spiked Amount 50.000			Recovery	=	90.90%	
35) Dibromofluoromethane	4.32	113	134678	46.83	ug/l	0.01
Spiked Amount 50.000			Recovery	=	93.66%	
50) Toluene-d8	7.72	98	257302	36.96	ug/l	0.01
Spiked Amount 50.000			Recovery	=	73.92%	
62) 4-Bromofluorobenzene	11.50	95	106226	33.82	ug/l	0.01
Spiked Amount 50.000			Recovery	=	67.64%	

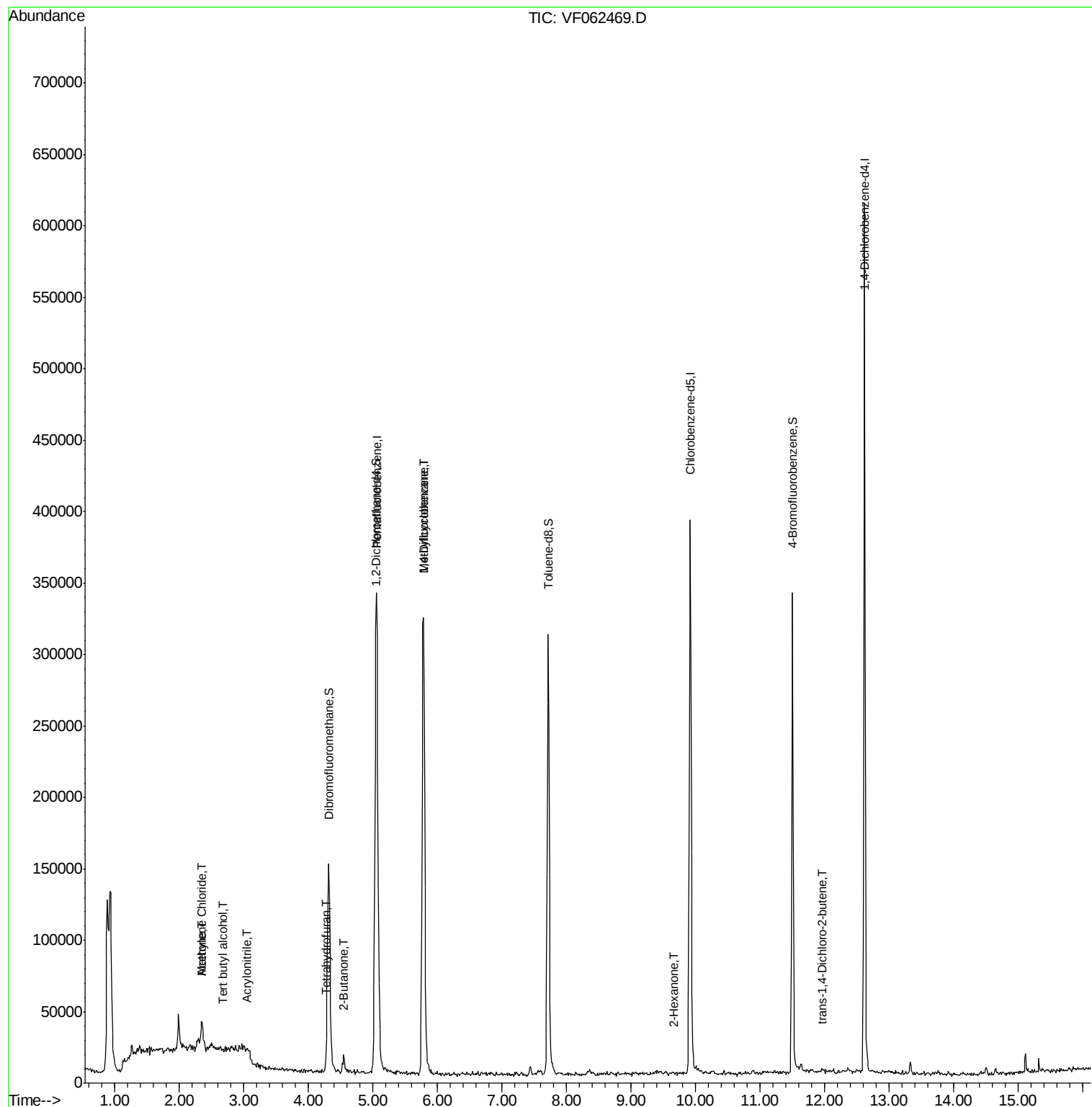
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.42	94	237	Below Cal	#	15
11) Tert butyl alcohol	2.68	59	1094	7.205	ug/l #	41
13) Acrolein	2.06	56	410	Below Cal	#	13
15) Acrylonitrile	3.06	53	1356	4.714	ug/l #	23
16) Acetone	2.34	43	28584	52.593	ug/l #	92
18) Methyl Acetate	2.46	43	1649	Below Cal		99
20) Methylene Chloride	2.33	84	3036	1.544	ug/l	89
25) 2-Butanone	4.53	43	944	1.383	ug/l #	55
29) Tetrahydrofuran	4.27	42	707	2.253	ug/l #	66
37) Ethyl Acetate	4.32	43	127	Below Cal	#	73
38) Carbon Tetrachloride	4.25	117	134	Below Cal	#	14
39) Methylcyclohexane	5.78	83	5938	1.909	ug/l #	29
49) 1,4-Dioxane	7.03	88	64	Below Cal	#	32
59) 2-Hexanone	9.65	43	898	1.215	ug/l #	28
81) trans-1,4-Dichloro-2-buten	11.95	75	607	1.448	ug/l #	17

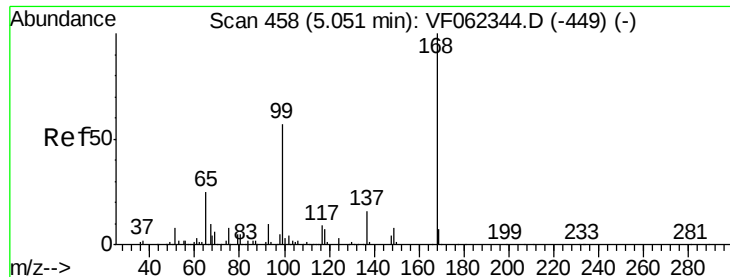
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF062469.D

Acq: 11 May 2019 19:27

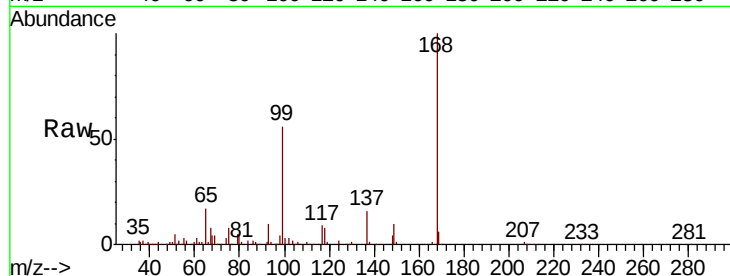
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 284292

Ion Ratio Lower Upper

168 100

99 56.0 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

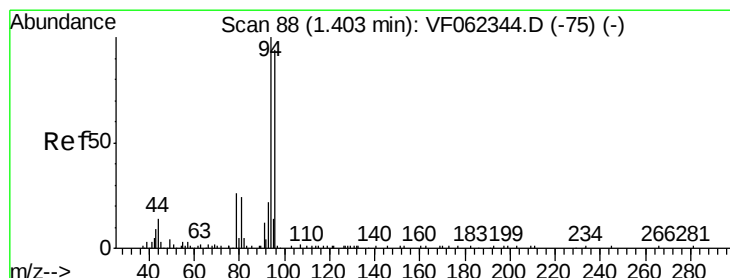
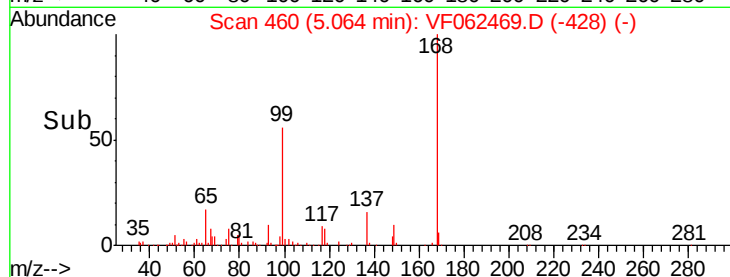
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.42 min Scan# 90

Delta R.T. 0.01 min

Lab File: VF062469.D

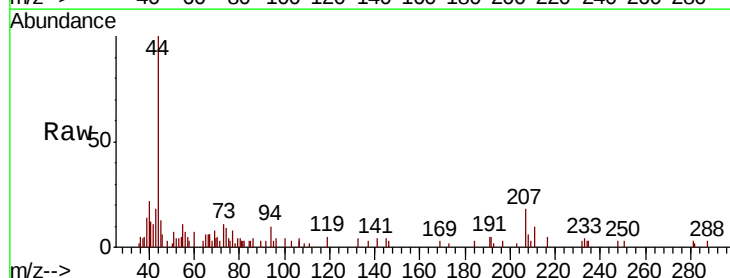
Acq: 11 May 2019 19:27

Tgt Ion: 94 Resp: 237

Ion Ratio Lower Upper

94 100

96 12.6 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

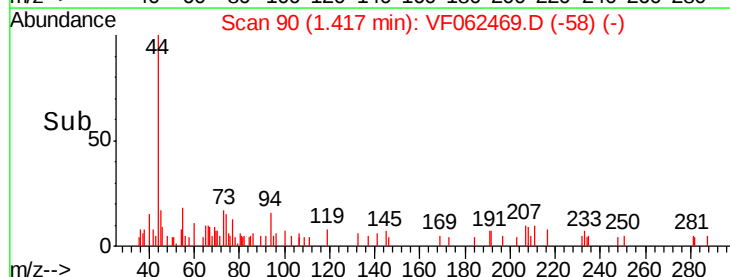
300

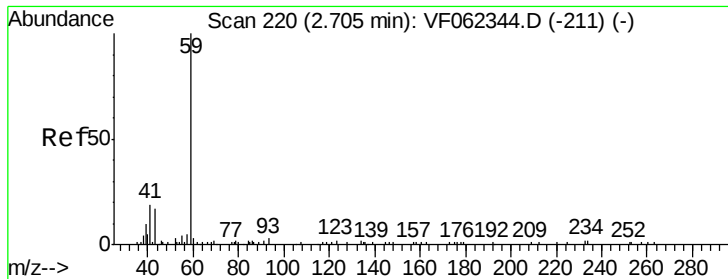
200

100

0

Time-->

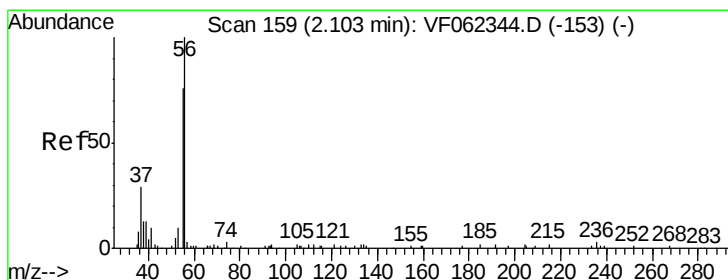
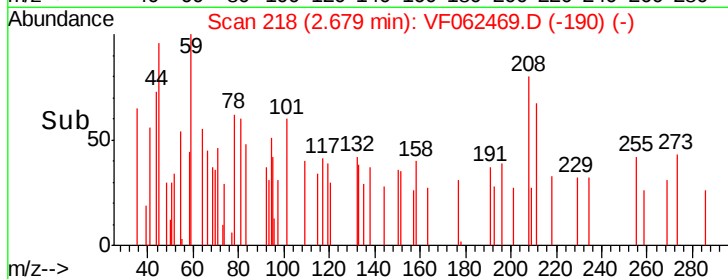
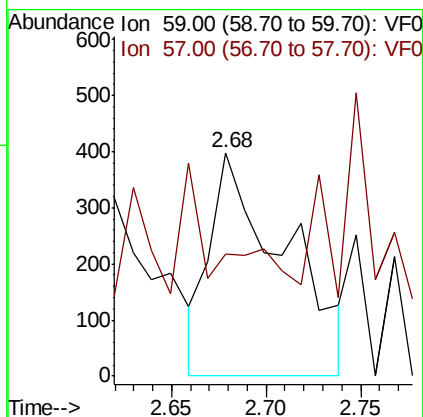
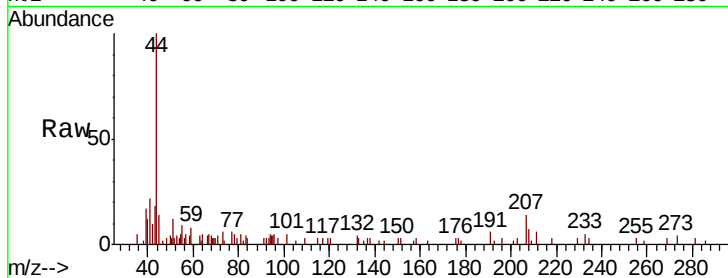




#11
Tert butyl alcohol
Concen: 7.205 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.03 min
Lab File: VF062469.D
Acq: 11 May 2019 19:27

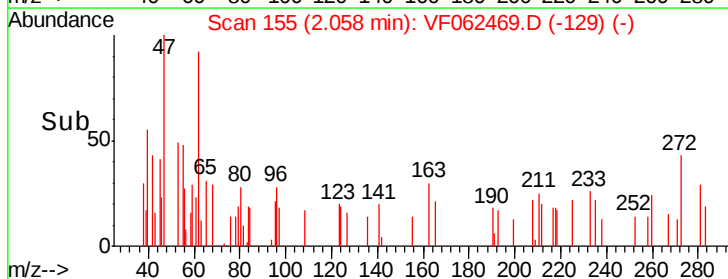
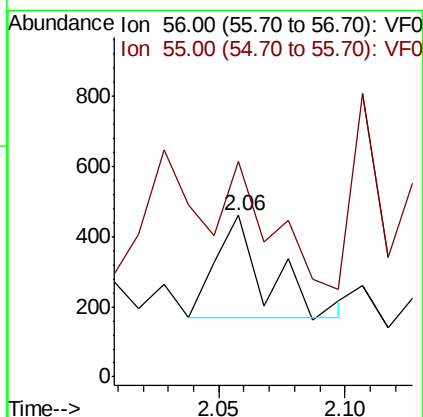
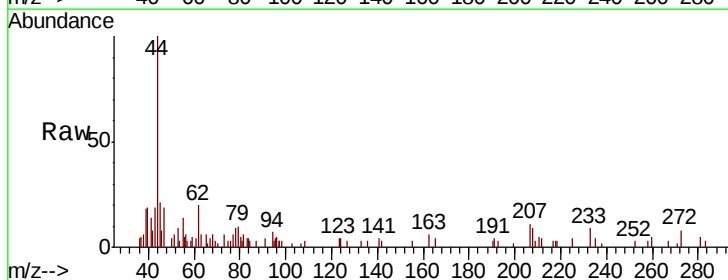
Instrument :
MSVOA_F
ClientSampled :

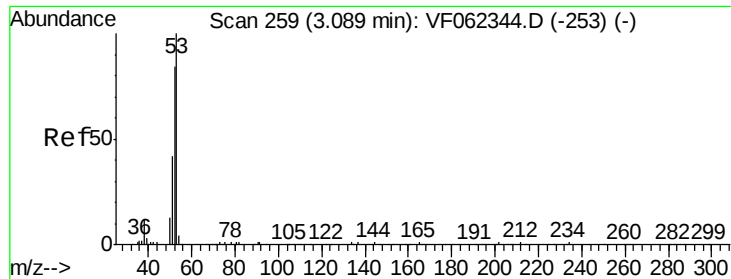
Tot Ion: 59 Resp: 1094
Ion Ratio Lower Upper
59 100
57 34.2 9.3 13.9#



#13
Acrolein
Concen: Below Cal
RT: 2.06 min Scan# 155
Delta R.T. -0.05 min
Lab File: VF062469.D
Acq: 11 May 2019 19:27

Tgt Ion: 56 Resp: 410
Ion Ratio Lower Upper
56 100
55 0.0 58.4 87.6#





#15

Acrylonitrile

Concen: 4.714 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.03 min

Lab File: VF062469.D

Acq: 11 May 2019 19:27

Instrument :
MSVOA_F
ClientSampled :

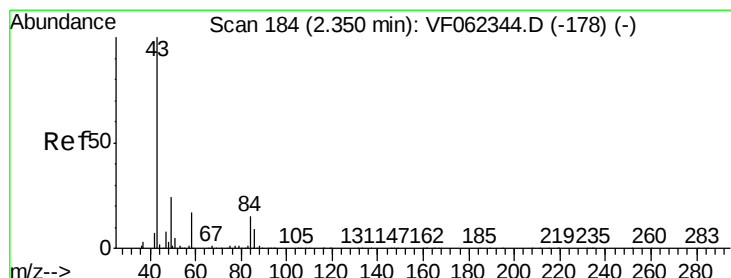
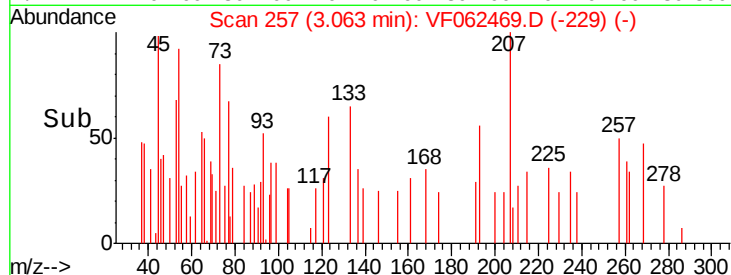
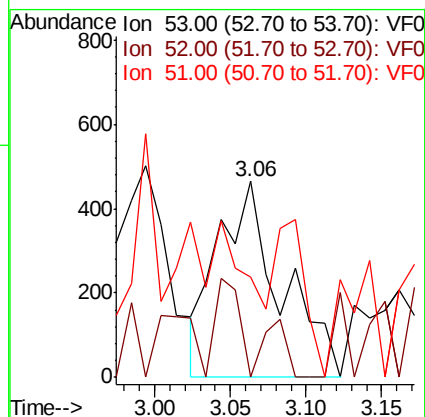
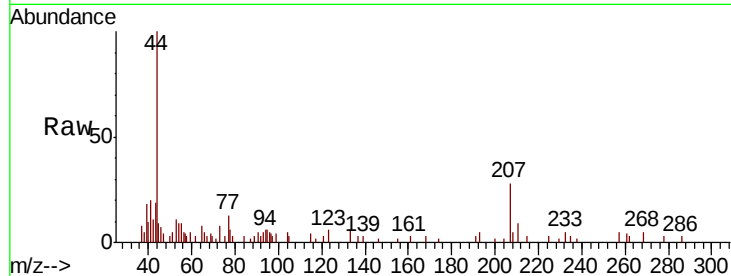
Tot Ion: 53 Resp: 1356

Ion Ratio Lower Upper

53 100

52 19.2 77.2 115.8#

51 0.0 40.6 61.0#



#16

Acetone

Concen: 52.593 ug/l

RT: 2.34 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062469.D

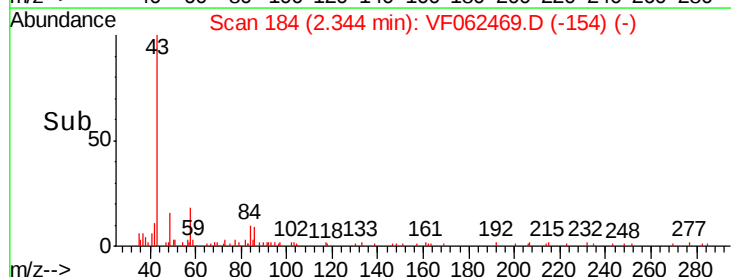
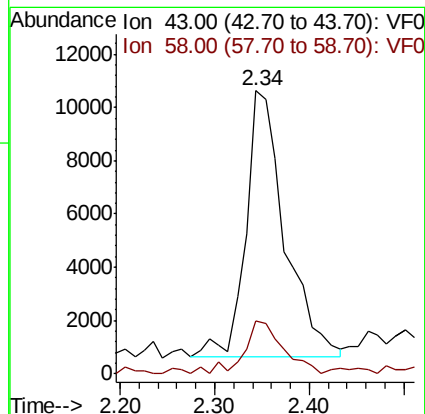
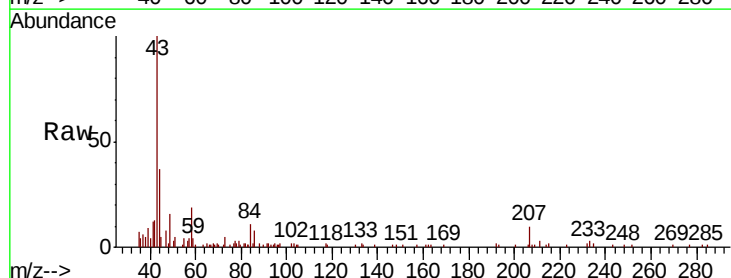
Acq: 11 May 2019 19:27

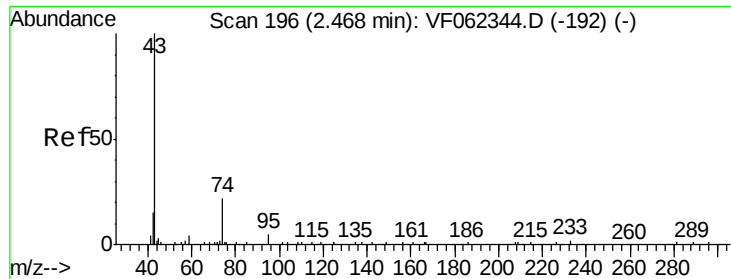
Tgt Ion: 43 Resp: 28584

Ion Ratio Lower Upper

43 100

58 19.8 13.1 19.7#

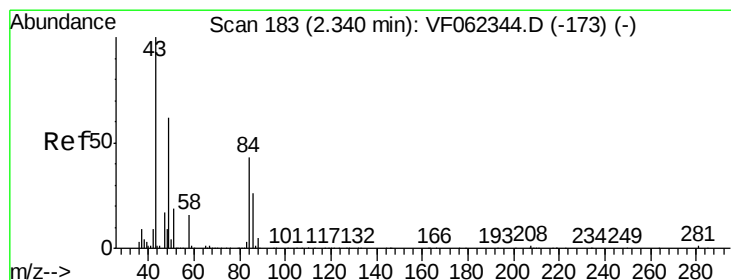
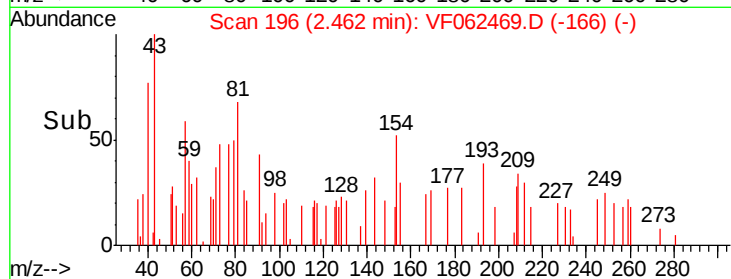
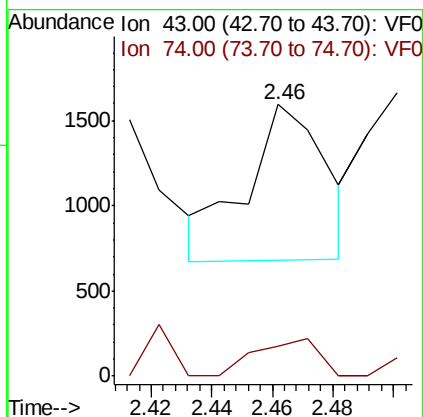
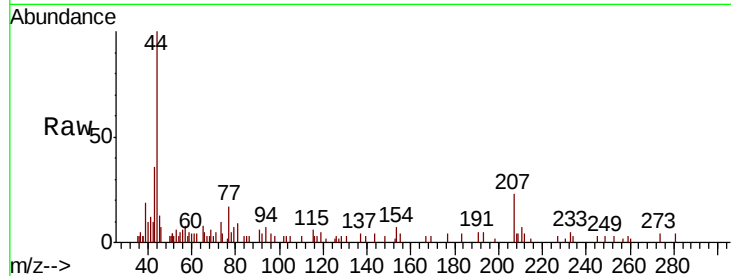




#18
Methyl Acetate
Concen: Below Cal
RT: 2.46 min Scan# 196
Delta R.T. -0.01 min
Lab File: VF062469.D
Acq: 11 May 2019 19:27

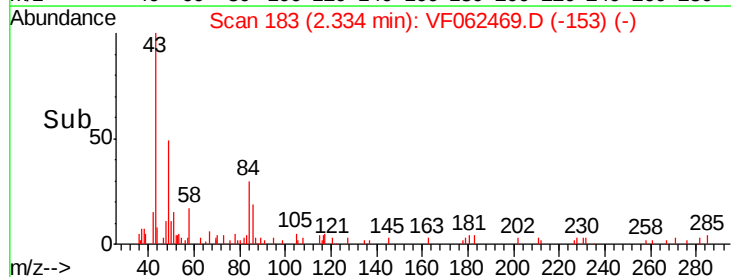
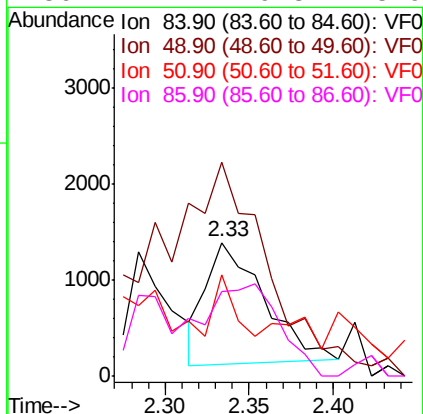
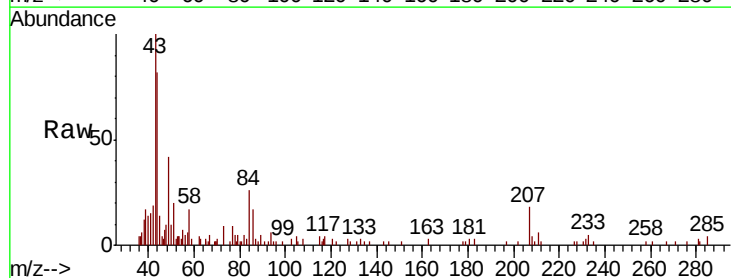
Instrument :
MSVOA_F
ClientSampleId :

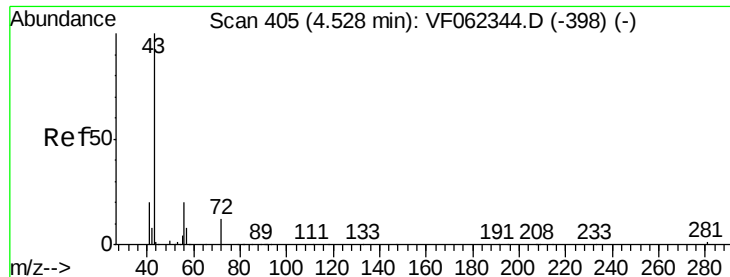
Tot Ion: 43 Resp: 1649
Ion Ratio Lower Upper
43 100
74 19.3 15.0 22.4



#20
Methylene Chloride
Concen: 1.544 ug/l
RT: 2.33 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF062469.D
Acq: 11 May 2019 19:27

Tgt Ion: 84 Resp: 3036
Ion Ratio Lower Upper
84 100
49 158.4 117.5 176.3
51 38.8 37.0 55.4
86 72.7 49.3 73.9





#25

2-Butanone

Concen: 1.383 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062469.D

Acq: 11 May 2019 19:27

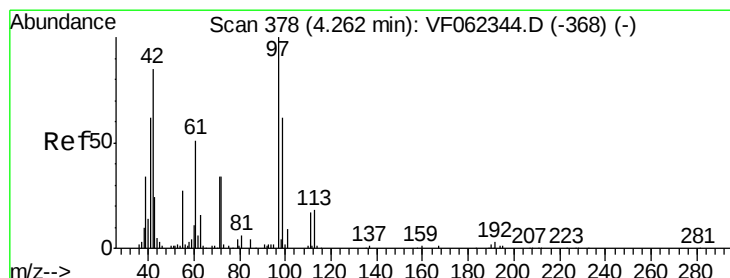
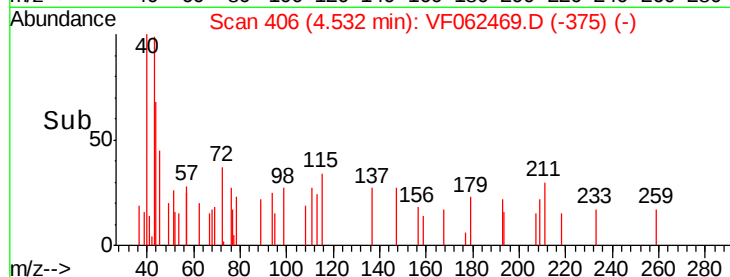
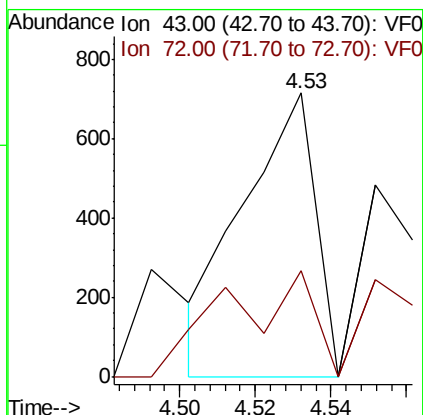
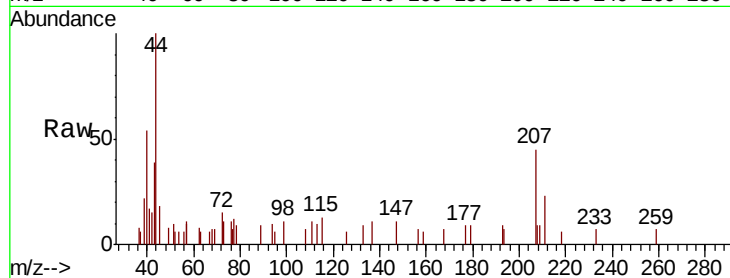
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 944

Ion Ratio Lower Upper

43 100

72 37.5 14.2 21.4#



#29

Tetrahydrofuran

Concen: 2.253 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF062469.D

Acq: 11 May 2019 19:27

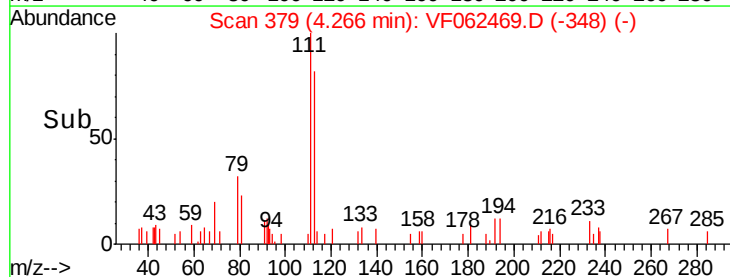
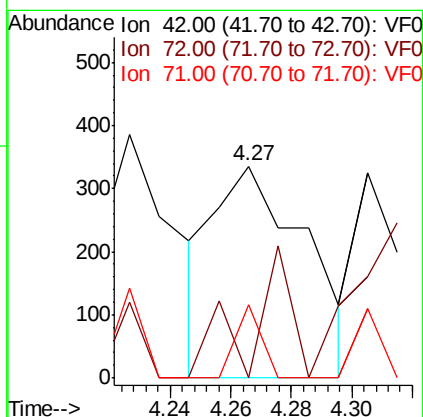
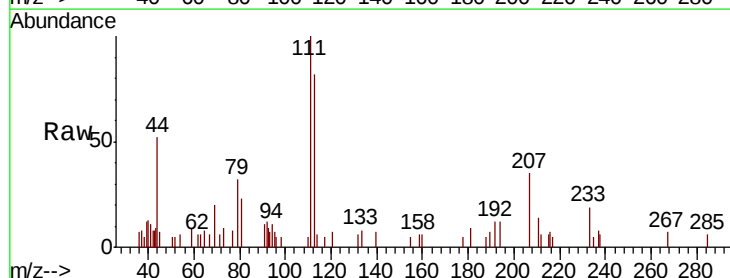
Tgt Ion: 42 Resp: 707

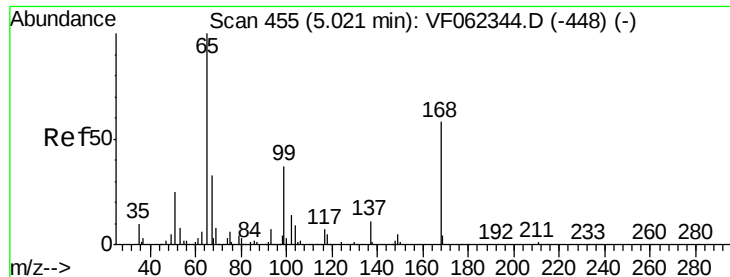
Ion Ratio Lower Upper

42 100

72 27.6 31.4 47.0#

71 9.6 31.7 47.5#

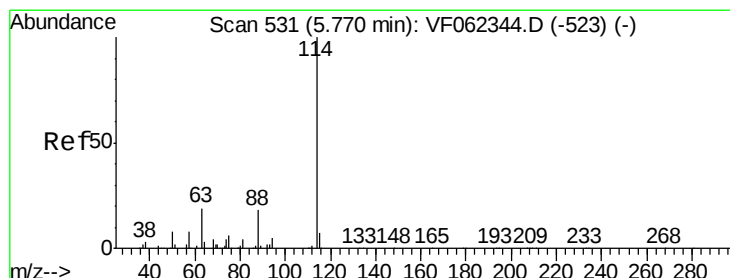
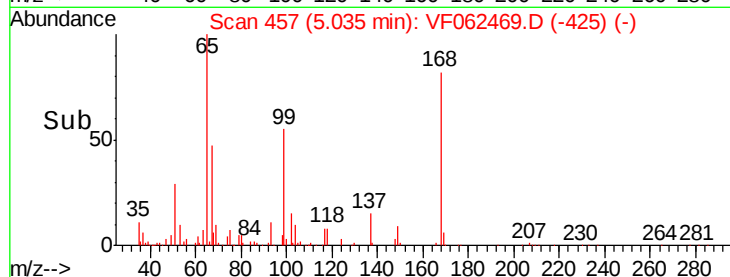
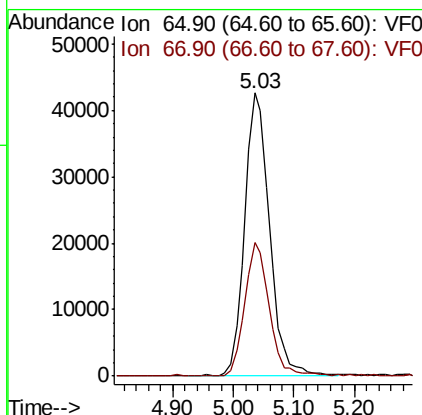
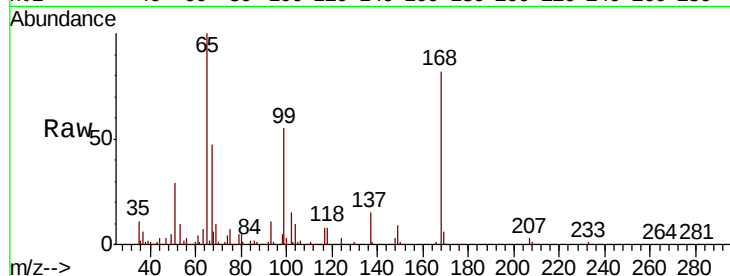




#33
 1,2-Dichloroethane-d4
 Concen: 45.446 ug/l
 RT: 5.03 min Scan# 457
 Delta R.T. 0.01 min
 Lab File: VF062469.D
 Acq: 11 May 2019 19:27

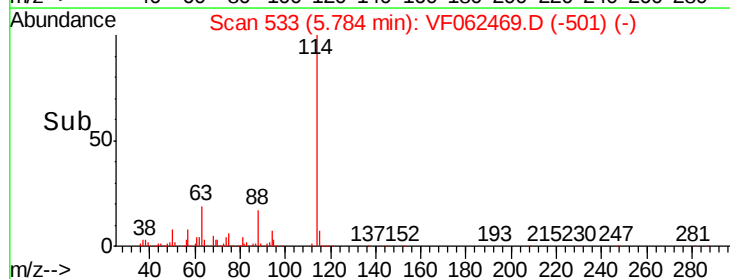
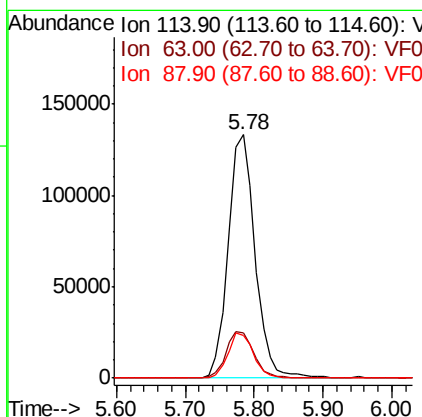
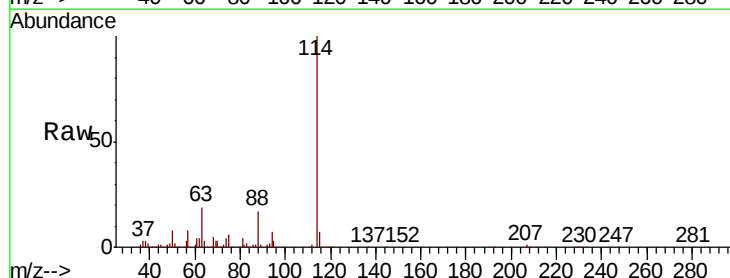
Instrument :
 MSVOA_F
 ClientSampled :

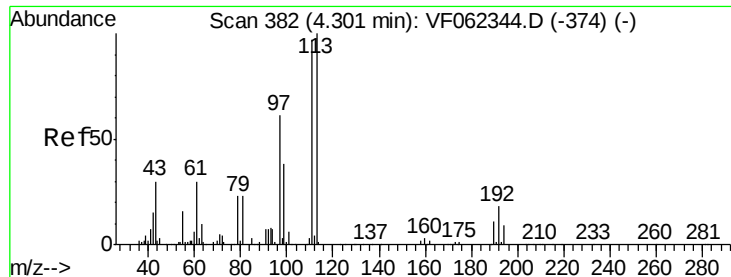
Tot Ion	Ratio	Lower	Upper
65	100		
67	46.7	0.0	85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VF062469.D
 Acq: 11 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	37.4
88	17.3	0.0	36.4

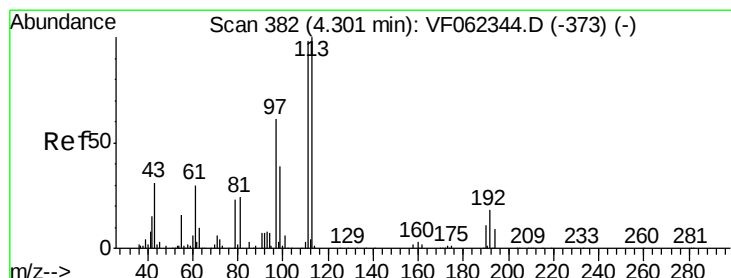
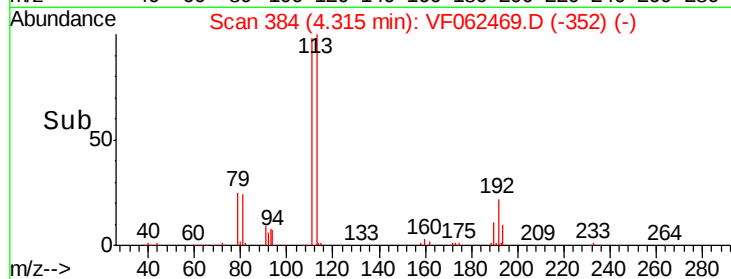
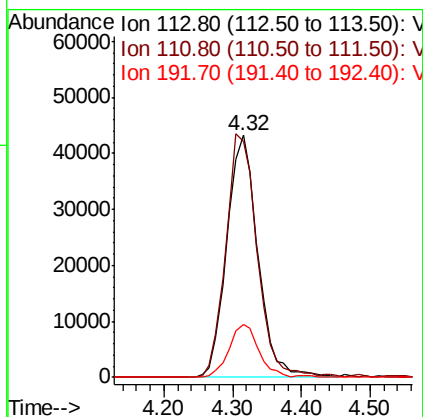
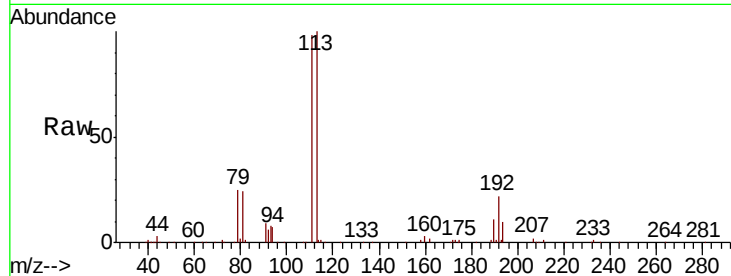




#35
Dibromofluoromethane
Concen: 46.825 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF062469.D
Acq: 11 May 2019 19:27

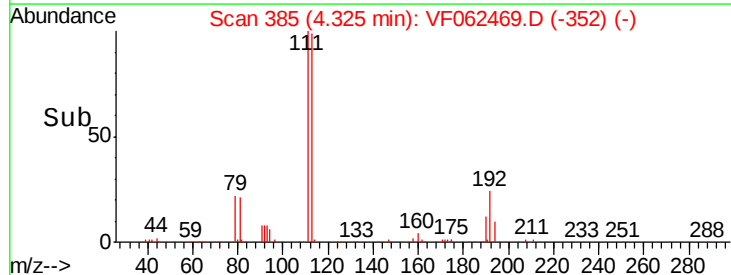
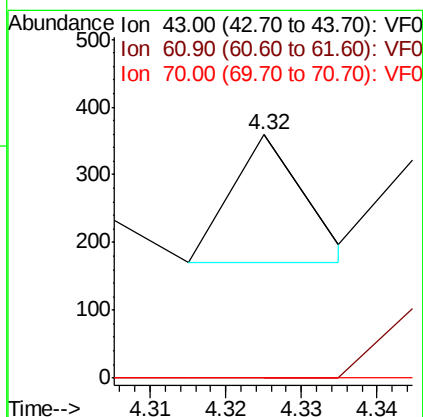
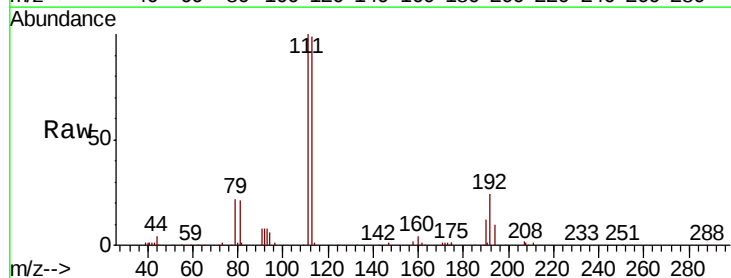
Instrument :
MSVOA_F
ClientSampleId :

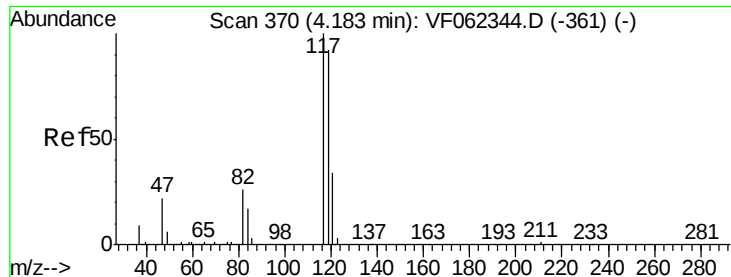
Tot Ion:113 Resp: 134678
Ion Ratio Lower Upper
113 100
111 101.5 79.4 119.0
192 21.3 16.0 24.0



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.32 min Scan# 385
Delta R.T. 0.02 min
Lab File: VF062469.D
Acq: 11 May 2019 19:27

Tgt Ion: 43 Resp: 127
Ion Ratio Lower Upper
43 100
61 48.0 0.0 0.0#
70 0.0 8.2 12.2#

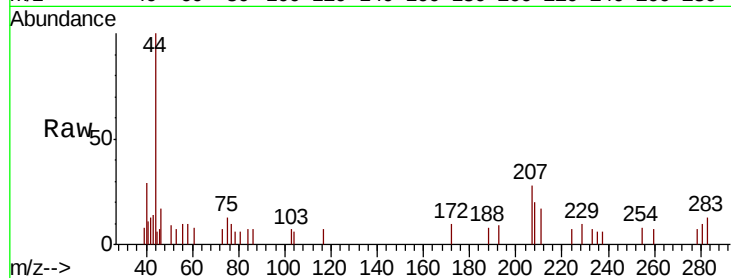




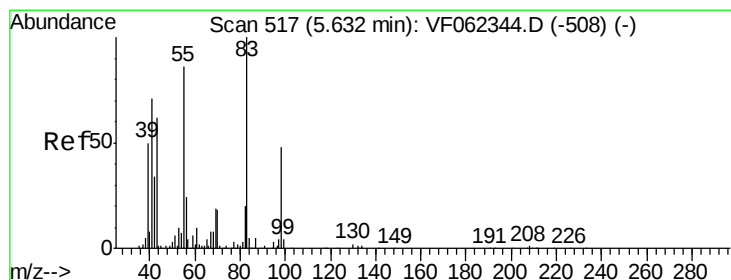
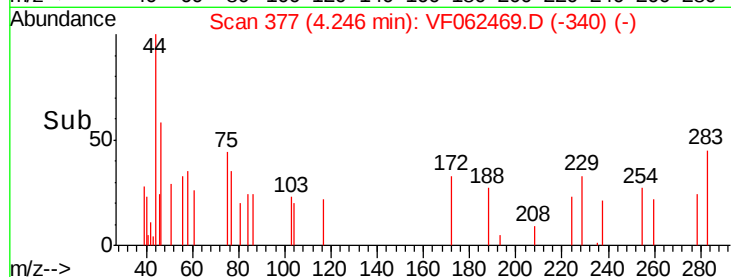
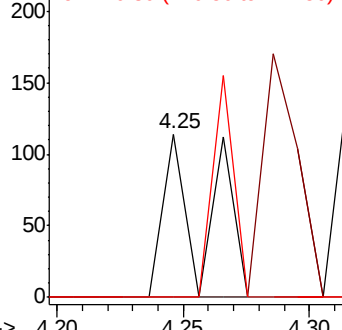
#38
Carbon Tetrachloride
Concen: Below Cal
RT: 4.25 min Scan# 377
Delta R.T. 0.06 min
Lab File: VF062469.D
Acq: 11 May 2019 19:27

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 134
Ion Ratio Lower Upper
117 100
119 0.0 73.4 110.2#
121 0.0 27.4 41.0#

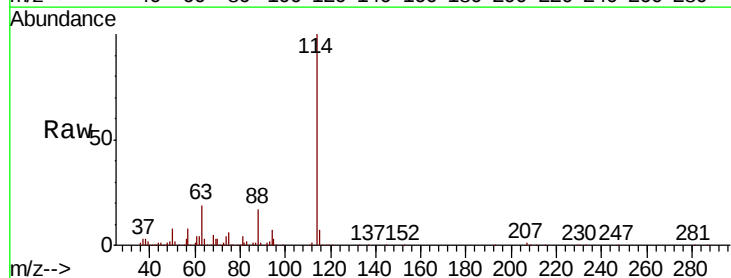


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

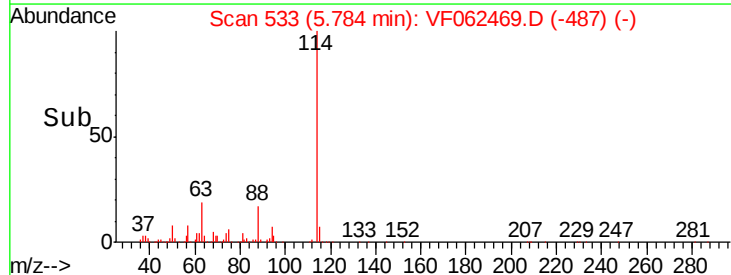
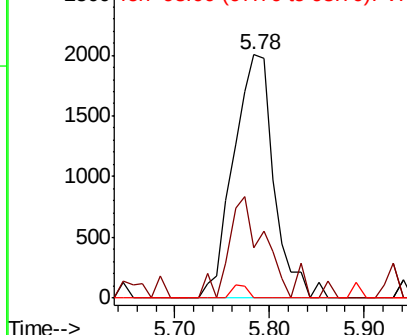


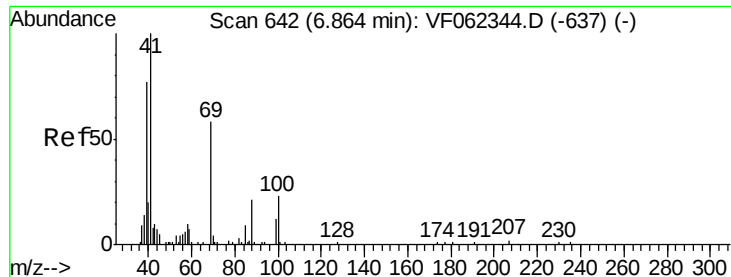
#39
Methylcyclohexane
Concen: 1.909 ug/l
RT: 5.78 min Scan# 533
Delta R.T. 0.15 min
Lab File: VF062469.D
Acq: 11 May 2019 19:27

Tgt Ion: 83 Resp: 5938
Ion Ratio Lower Upper
83 100
55 20.9 69.0 103.6#
98 0.0 38.6 58.0#



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

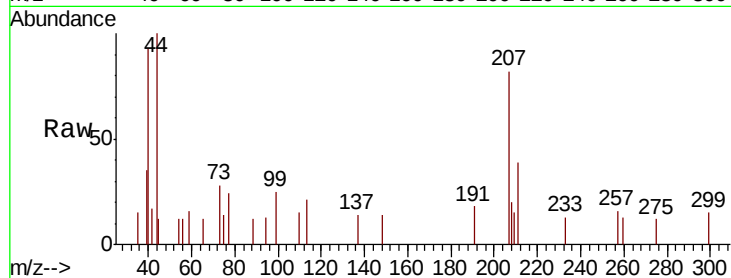




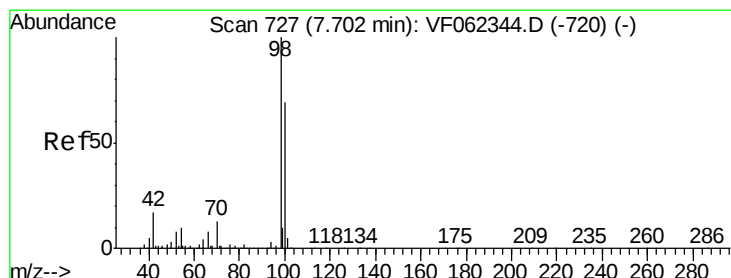
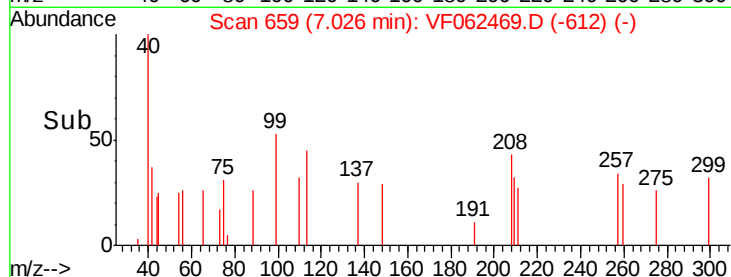
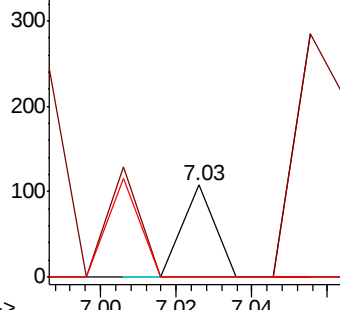
#49
1,4-Dioxane
Concen: Below Cal
RT: 7.03 min Scan# 659
Delta R.T. 0.16 min
Lab File: VF062469.D
Acq: 11 May 2019 19:27

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 0.0 55.6 83.4#
58 106.3 52.8 79.2#

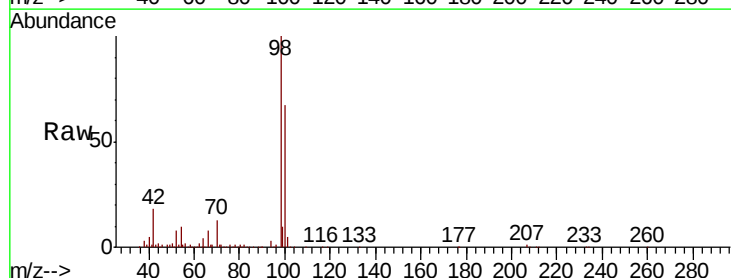


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

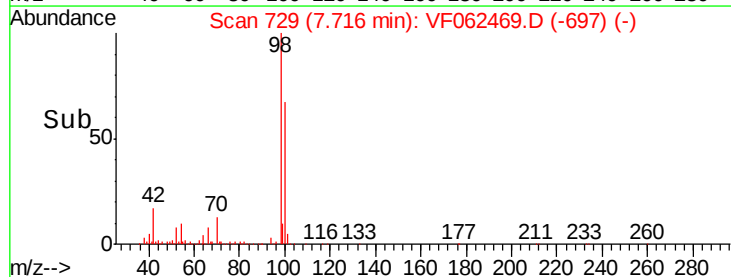
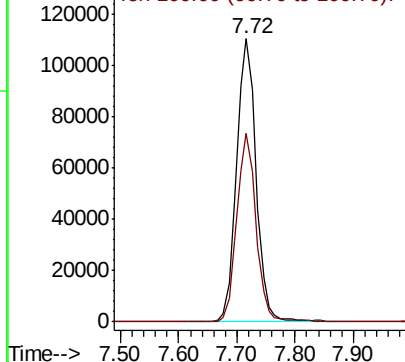


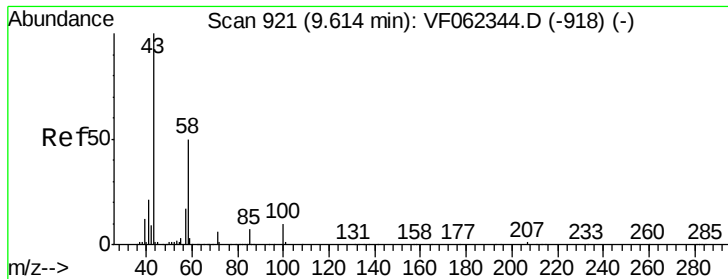
#50
Toluene-d8
Concen: 36.957 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.01 min
Lab File: VF062469.D
Acq: 11 May 2019 19:27

Tgt Ion: 98 Resp: 257302
Ion Ratio Lower Upper
98 100
100 65.8 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0

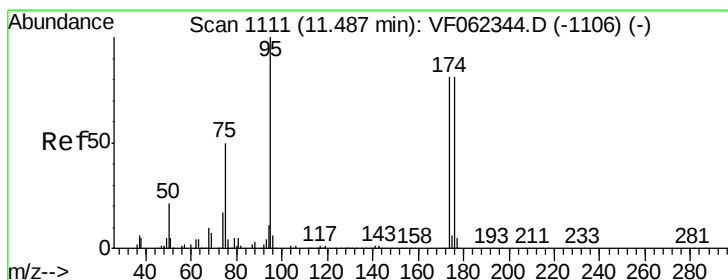
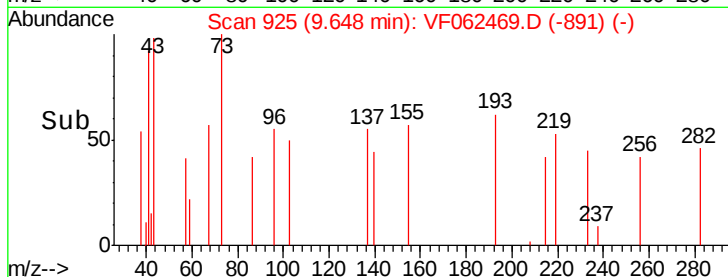
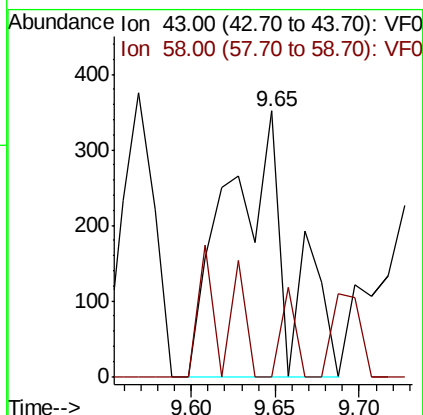
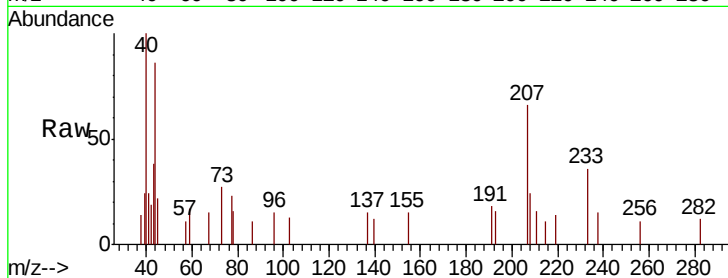




#59
2-Hexanone
Concen: 1.215 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.03 min
Lab File: VF062469.D
Acq: 11 May 2019 19:27

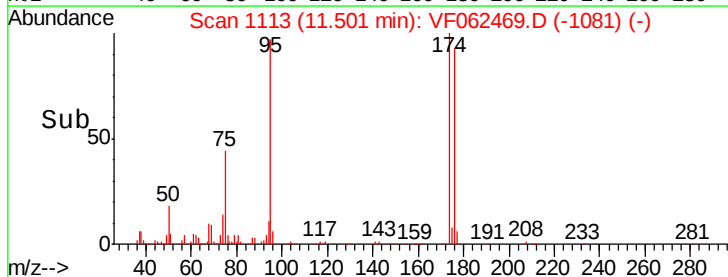
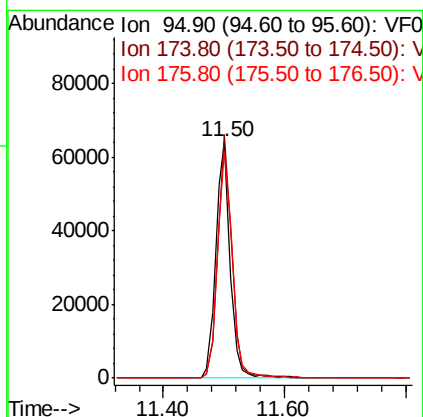
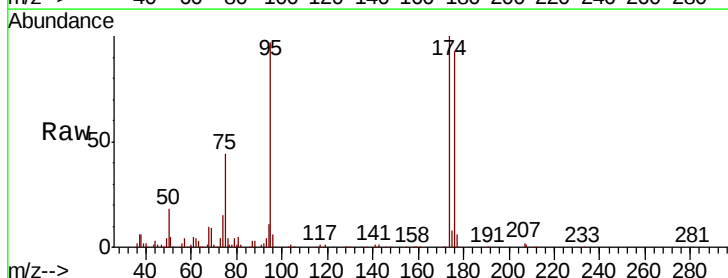
Instrument :
MSVOA_F
ClientSampleId :

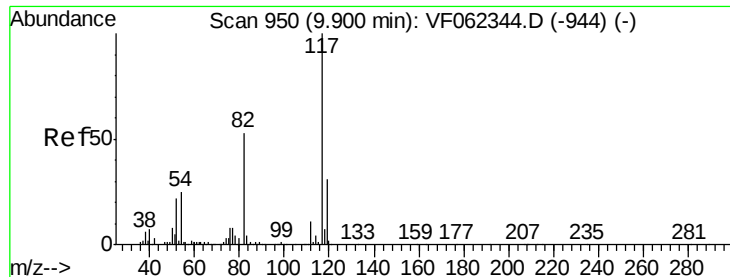
Tot Ion: 43 Resp: 898
Ion Ratio Lower Upper
43 100
58 0.0 24.3 73.0#



#62
4-Bromofluorobenzene
Concen: 33.818 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VF062469.D
Acq: 11 May 2019 19:27

Tgt Ion: 95 Resp: 106226
Ion Ratio Lower Upper
95 100
174 100.3 0.0 191.8
176 98.4 0.0 193.2

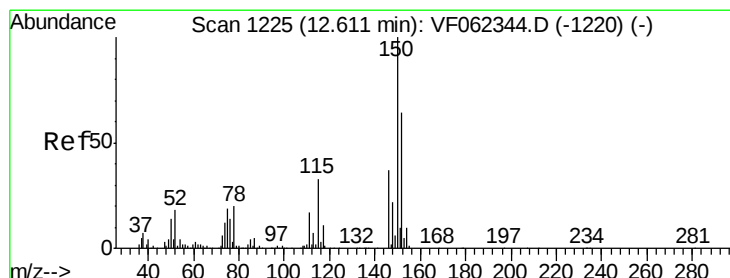
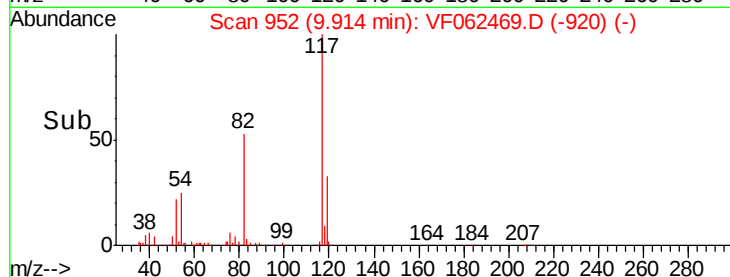
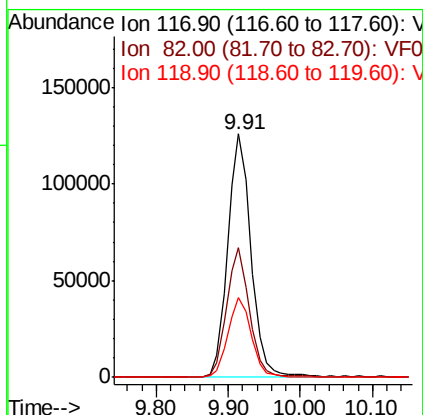
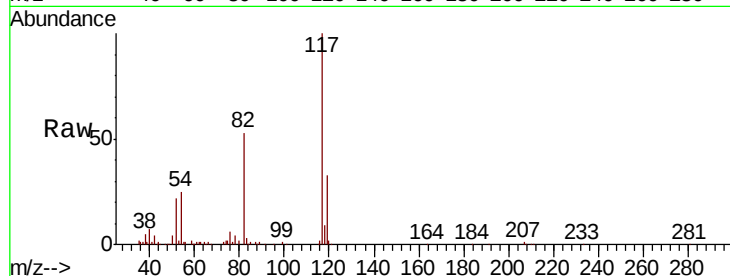




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF062469.D
Acq: 11 May 2019 19:27

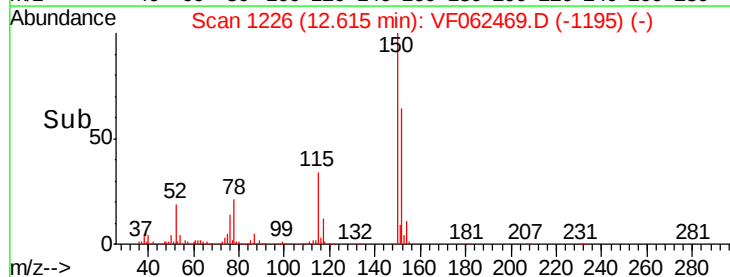
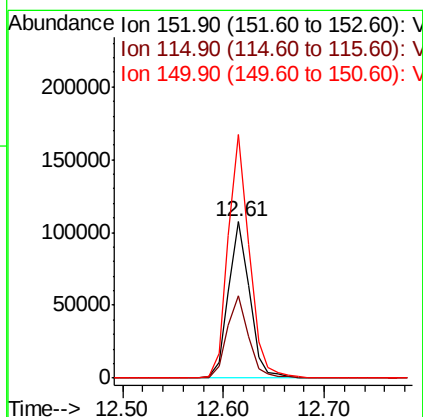
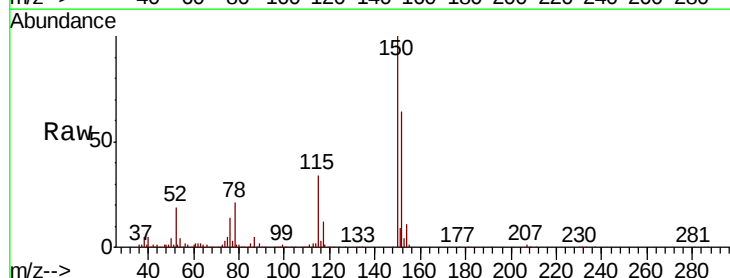
Instrument :
MSVOA_F
ClientSampleId :

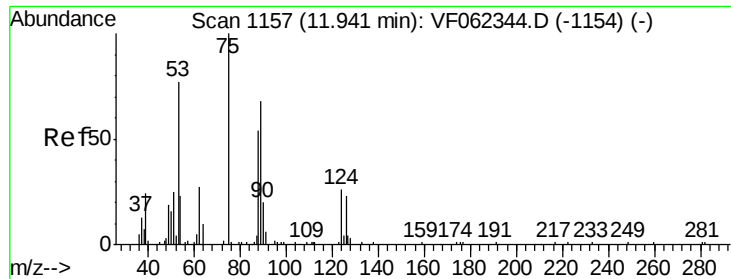
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.2	63.2
119	32.5	25.0	37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VF062469.D
Acq: 11 May 2019 19:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	26.4	79.2
150	156.4	0.0	335.0





#81

trans-1,4-Dichloro-2-butene

Concen: 1.448 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VF062469.D

Acq: 11 May 2019 19:27

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 75 Resp: 607

Ion Ratio Lower Upper

75 100

53 11.9 71.9 107.9#

89 10.5 0.0 0.0#

