

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050819\
 Data File : VF062382.D
 Acq On : 8 May 2019 17:32
 Operator : FY/SY
 Sample : K2673-15RE
 Misc : 5.04g/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SP-01-COMPARE

Quant Time: May 09 05:02:06 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	5.04	168	290810	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	383373	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	273711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	104057	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	144977	52.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.50%	
35) Dibromofluoromethane	4.30	113	165646	54.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.46%	
50) Toluene-d8	7.70	98	280441	37.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.86%	
62) 4-Bromofluorobenzene	11.48	95	105350	31.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	63.16%	

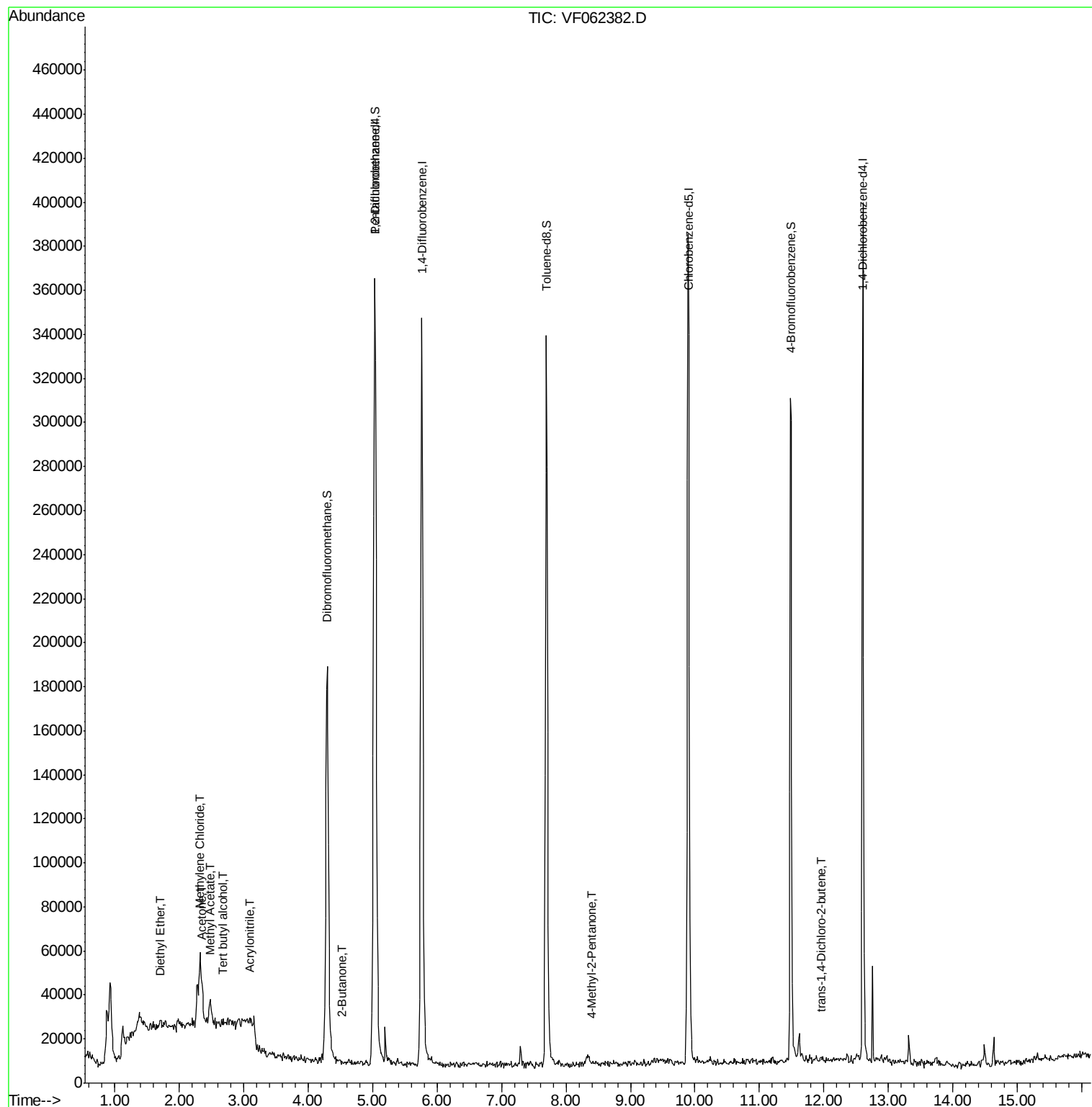
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.40	94	1377	Below Cal	#	4
8) Diethyl Ether	1.71	74	2690	3.870	ug/l	47
11) Tert butyl alcohol	2.68	59	728	4.687	ug/l #	1
13) Acrolein	2.14	56	1250	Below Cal		85
15) Acrylonitrile	3.10	53	584	1.985	ug/l #	80
16) Acetone	2.36	43	701	1.261	ug/l #	79
18) Methyl Acetate	2.49	43	4420	1.309	ug/l #	58
20) Methylene Chloride	2.32	84	21616	10.746	ug/l	88
25) 2-Butanone	4.53	43	1043	1.493	ug/l #	60
37) Ethyl Acetate	4.29	43	1146	Below Cal	#	73
38) Carbon Tetrachloride	4.22	117	77	Below Cal	#	14
49) 1,4-Dioxane	6.76	88	65	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.40	43	1657	1.460	ug/l #	72
81) trans-1,4-Dichloro-2-buten	11.94	75	675	2.437	ug/l #	5

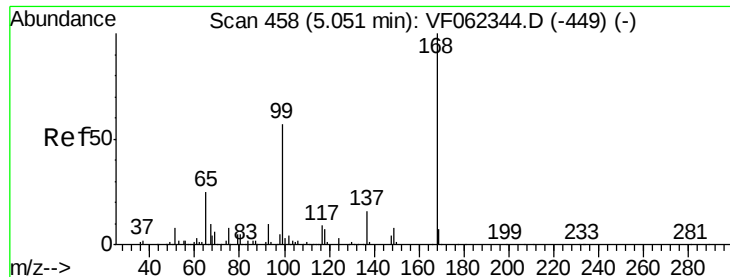
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF050819\
Data File : VF062382.D
Acq On : 8 May 2019 17:32
Operator : FY/SY
Sample : K2673-15RE
Misc : 5.04g/5mL/MSVOA F/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SP-01-COMPRES

Quant Time: May 09 05:02:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF062382.D

Acq: 8 May 2019 17:32

Instrument :

MSVOA_F

ClientSampleId :

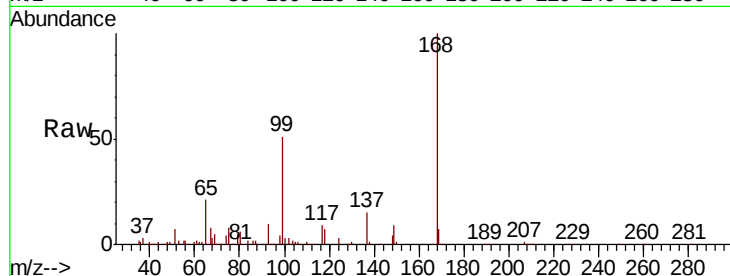
SP-01-COMPRES

Tot Ion:168 Resp: 290810

Ion Ratio Lower Upper

168 100

99 50.9 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.04

100000

80000

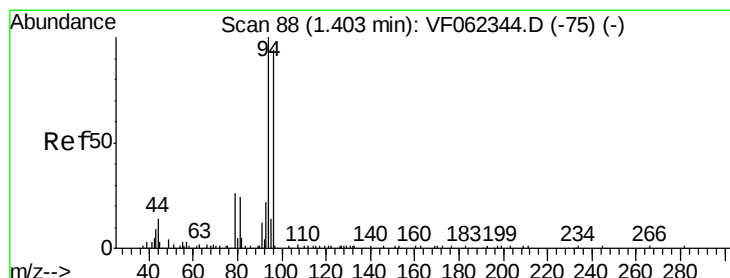
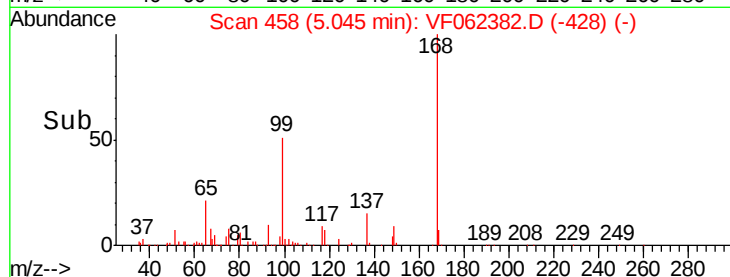
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062382.D

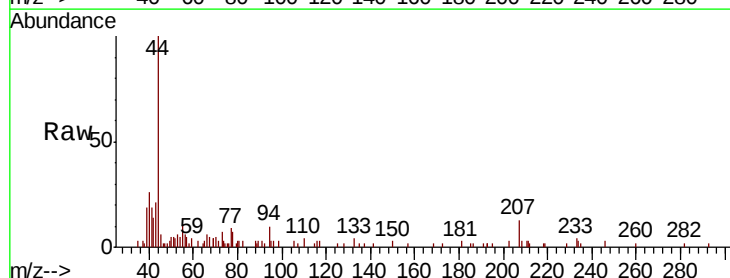
Acq: 8 May 2019 17:32

Tgt Ion: 94 Resp: 1377

Ion Ratio Lower Upper

94 100

96 1.3 75.4 113.2#



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

1.40

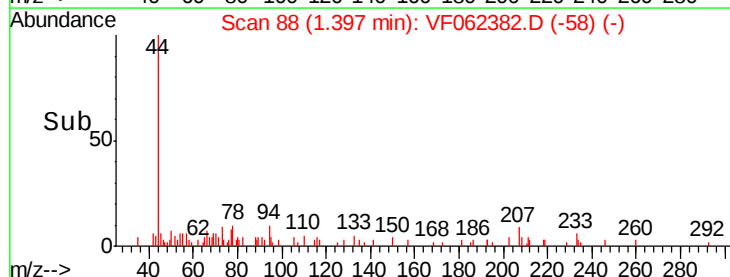
600

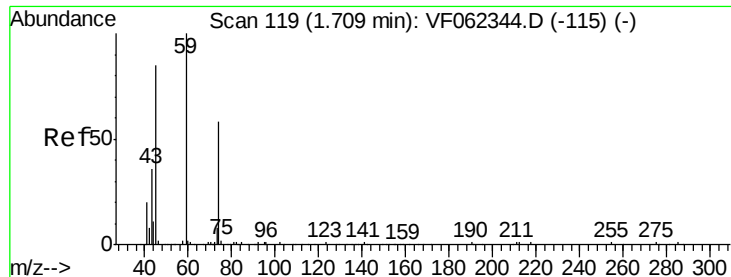
400

200

0

Time-->





#8

Diethyl Ether

Concen: 3.870 ug/l

RT: 1.71 min Scan# 120

Delta R.T. 0.00 min

Lab File: VF062382.D

Acq: 8 May 2019 17:32

Instrument :

MSVOA_F

ClientSampleId :

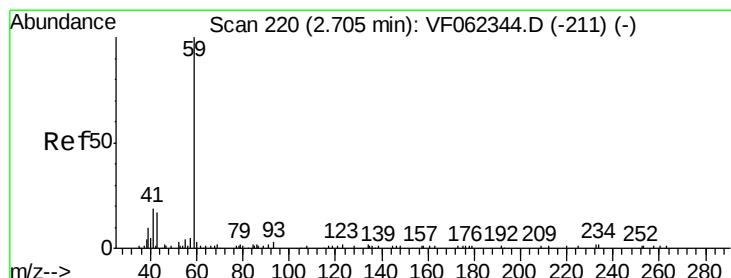
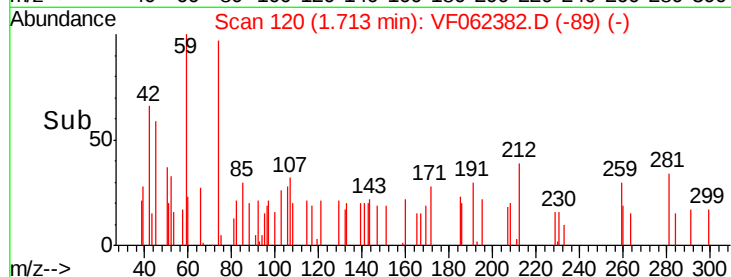
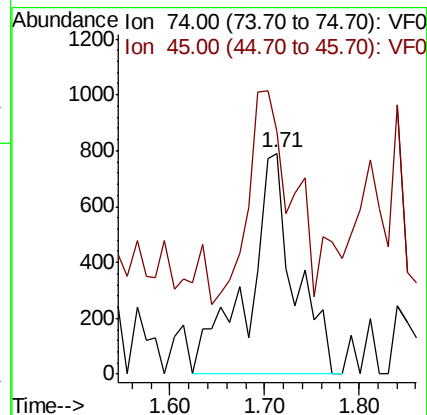
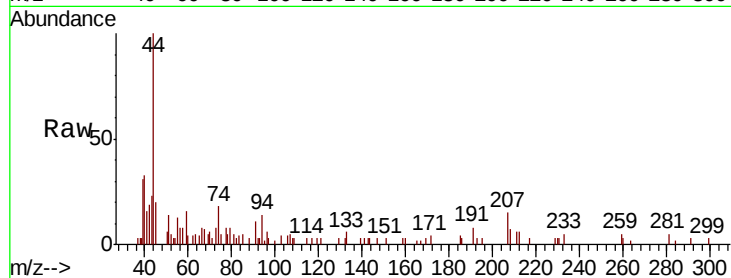
SP-01-COMPRES

Tot Ion: 74 Resp: 2690

Ion Ratio Lower Upper

74 100

45 81.3 73.9 221.6



#11

Tert butyl alcohol

Concen: 4.687 ug/l

RT: 2.68 min Scan# 218

Delta R.T. -0.03 min

Lab File: VF062382.D

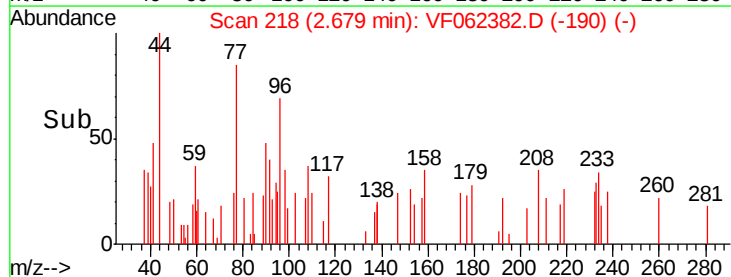
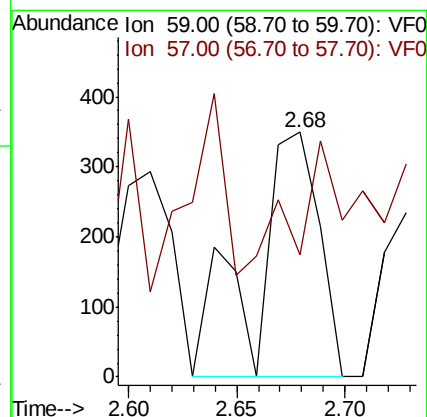
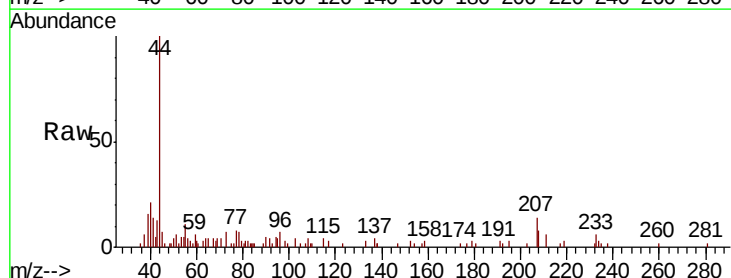
Acq: 8 May 2019 17:32

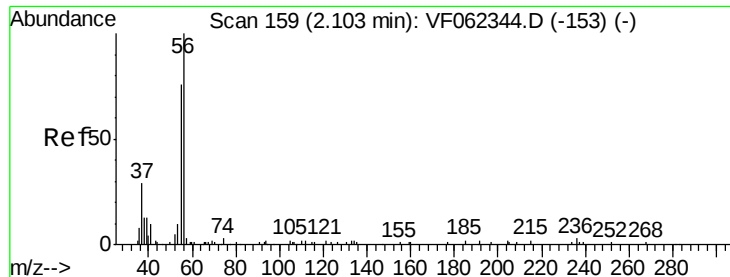
Tgt Ion: 59 Resp: 728

Ion Ratio Lower Upper

59 100

57 59.3 9.3 13.9#





#13

Acrolein

Concen: Below Cal

RT: 2.14 min Scan# 163

Delta R.T. 0.03 min

Lab File: VF062382.D

Acq: 8 May 2019 17:32

Instrument :

MSVOA_F

ClientSampleId :

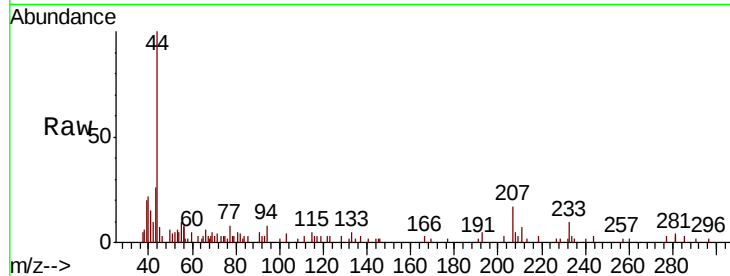
SP-01-COMPRES

Tot Ion: 56 Resp: 1250

Ion Ratio Lower Upper

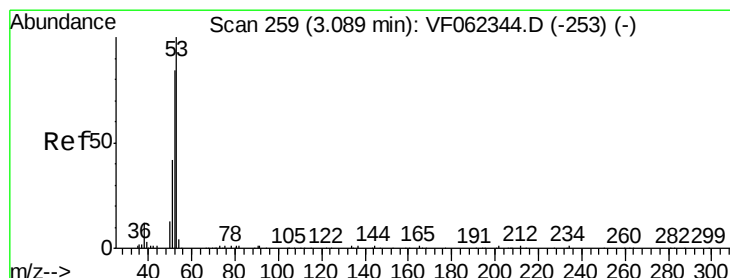
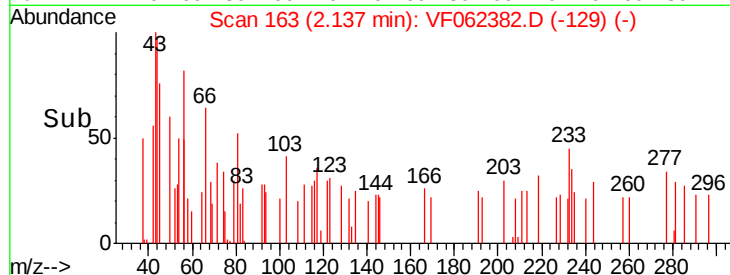
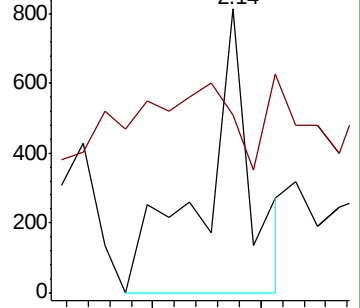
56 100

55 85.8 58.4 87.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#15

Acrylonitrile

Concen: 1.985 ug/l

RT: 3.10 min Scan# 261

Delta R.T. 0.01 min

Lab File: VF062382.D

Acq: 8 May 2019 17:32

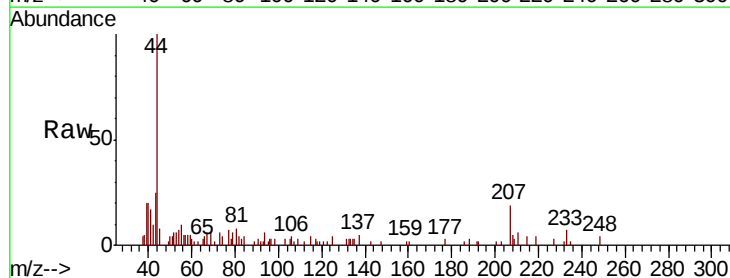
Tgt Ion: 53 Resp: 584

Ion Ratio Lower Upper

53 100

52 102.1 77.2 115.8

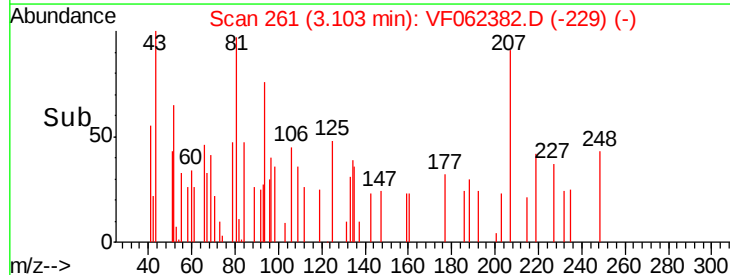
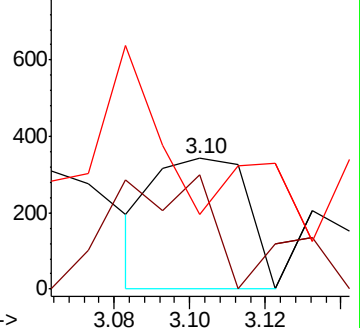
51 82.7 40.6 61.0#

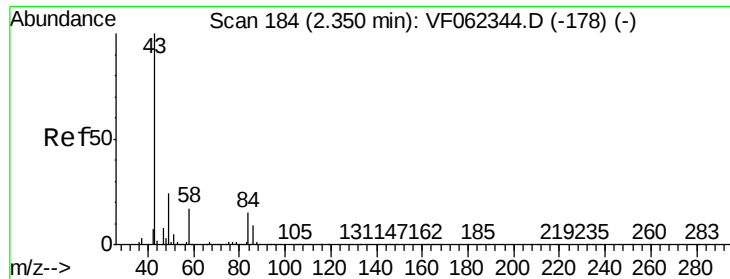


Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

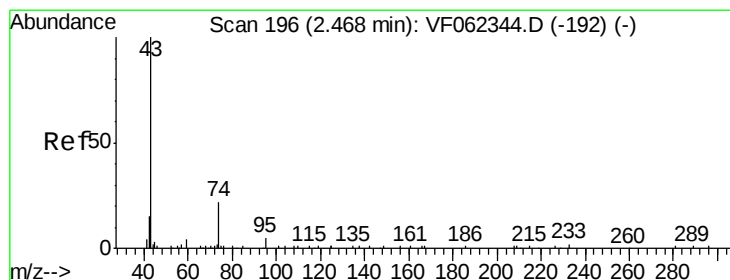
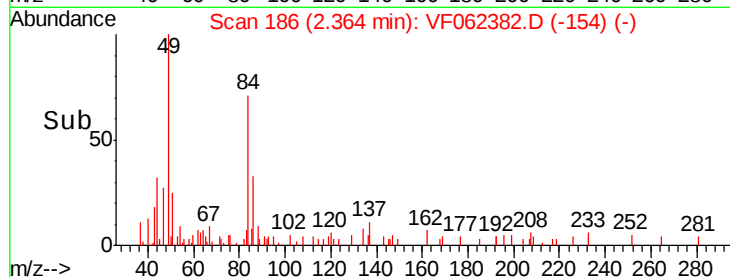
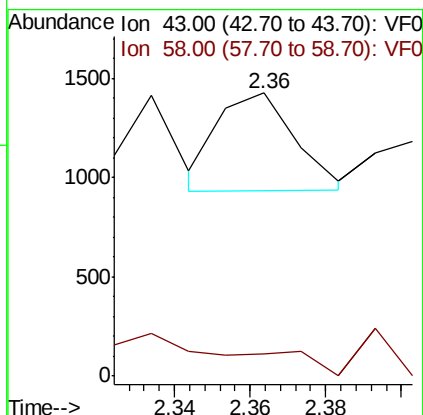
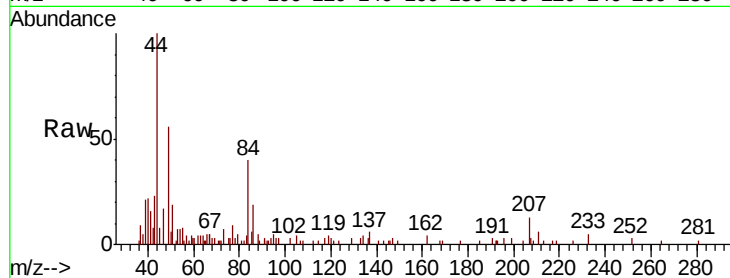




#16
Acetone
Concen: 1.261 ug/l
RT: 2.36 min Scan# 186
Delta R.T. 0.01 min
Lab File: VF062382.D
Acq: 8 May 2019 17:32

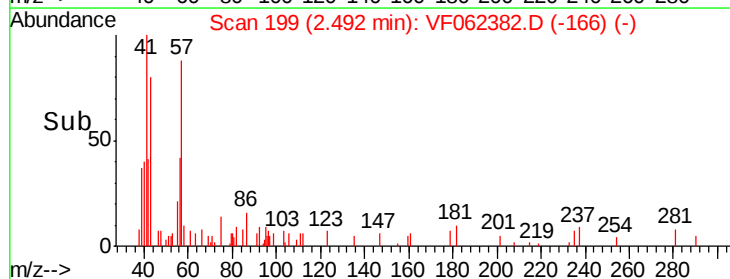
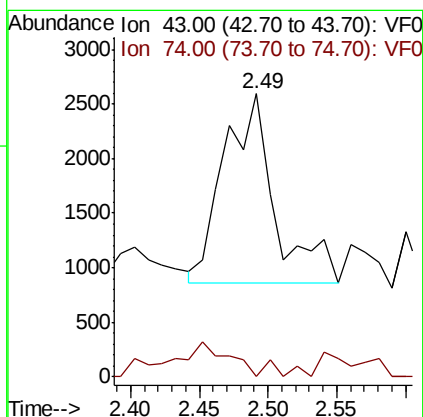
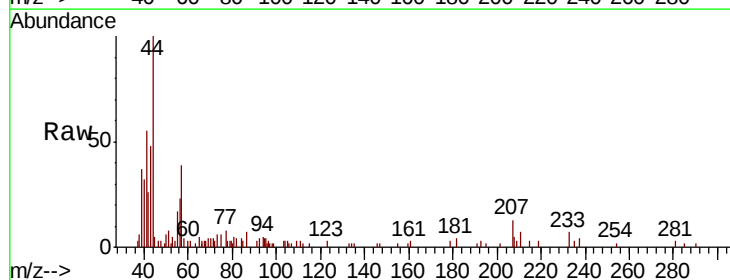
Instrument :
MSVOA_F
ClientSampleId :
SP-01-COMPRES

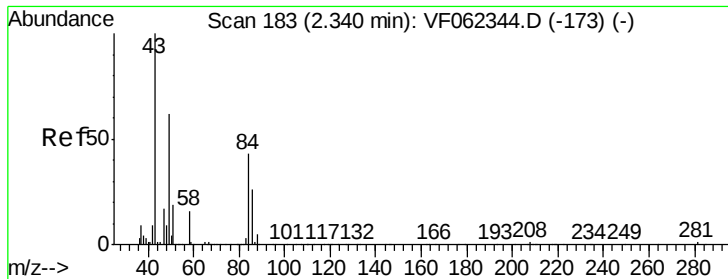
Tot Ion: 43 Resp: 701
Ion Ratio Lower Upper
43 100
58 25.5 13.1 19.7#



#18
Methyl Acetate
Concen: 1.309 ug/l
RT: 2.49 min Scan# 199
Delta R.T. 0.02 min
Lab File: VF062382.D
Acq: 8 May 2019 17:32

Tgt Ion: 43 Resp: 4420
Ion Ratio Lower Upper
43 100
74 0.0 15.0 22.4#

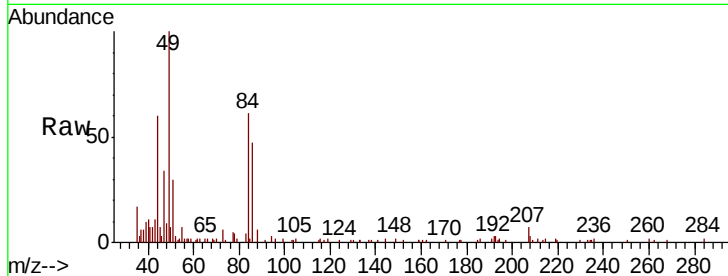




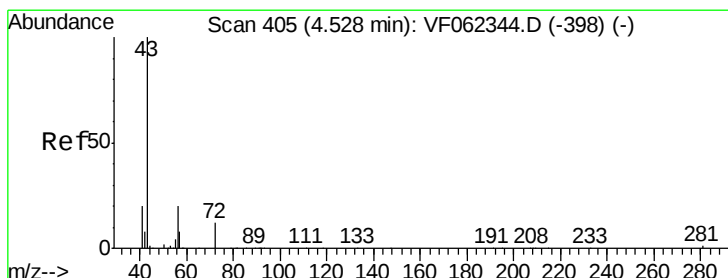
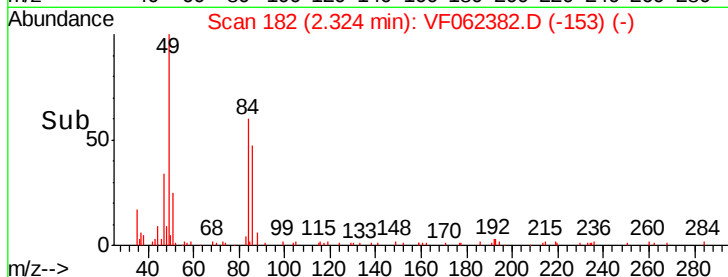
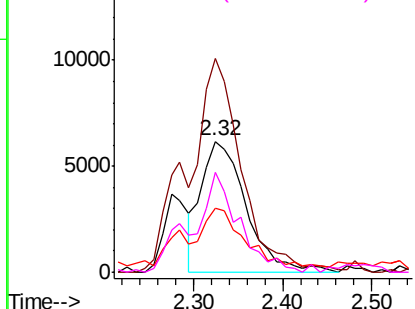
#20
Methvlene Chloride
Concen: 10.746 ug/l
RT: 2.32 min Scan# 182
Delta R.T. -0.02 min
Lab File: VF062382.D
Acq: 8 May 2019 17:32

Instrument :
MSVOA_F
ClientSampleId :
SP-01-COMPRES

Tot Ion: 84 Resp: 21616
Ion Ratio Lower Upper
84 100
49 161.3 117.5 176.3
51 40.5 37.0 55.4
86 73.9 49.3 73.9

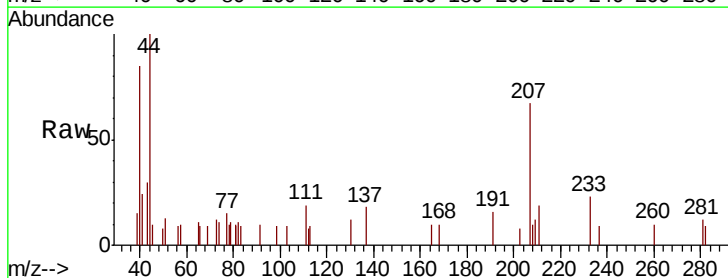


Abundance Ion 83.90 (83.60 to 84.60): VF0
Ion 48.90 (48.60 to 49.60): VF0
Ion 50.90 (50.60 to 51.60): VF0
Ion 85.90 (85.60 to 86.60): VF0

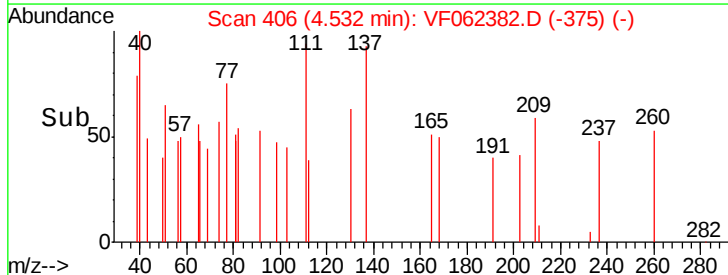
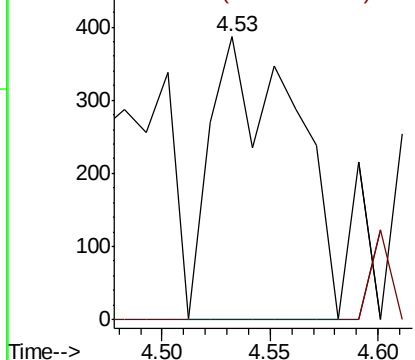


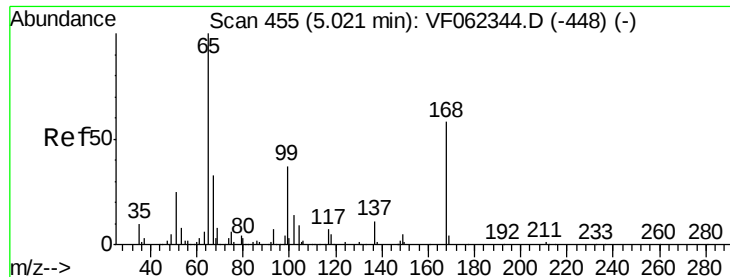
#25
2-Butanone
Concen: 1.493 ug/l
RT: 4.53 min Scan# 406
Delta R.T. 0.00 min
Lab File: VF062382.D
Acq: 8 May 2019 17:32

Tgt Ion: 43 Resp: 1043
Ion Ratio Lower Upper
43 100
72 0.0 14.2 21.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 72.00 (71.70 to 72.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 52.752 ug/l

RT: 5.02 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF062382.D

Acq: 8 May 2019 17:32

Instrument :

MSVOA_F

ClientSampleId :

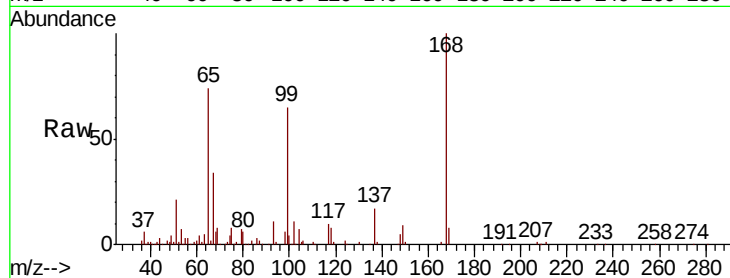
SP-01-COMPRES

Tot Ion: 65 Resp: 144977

Ion Ratio Lower Upper

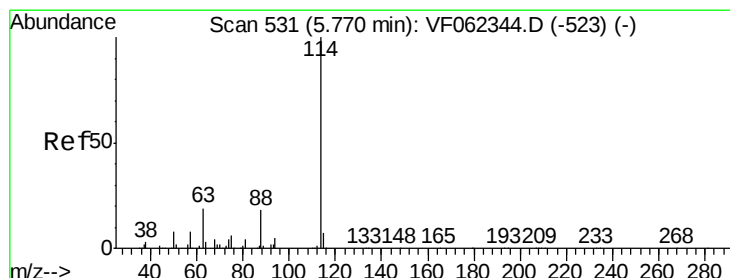
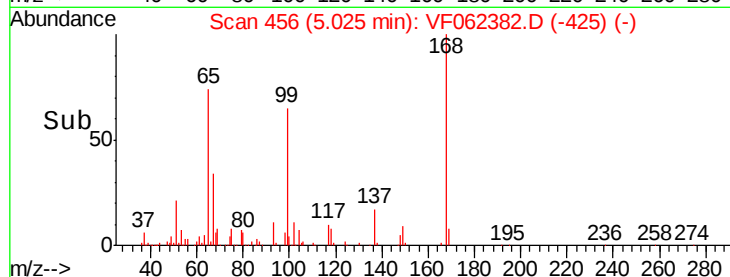
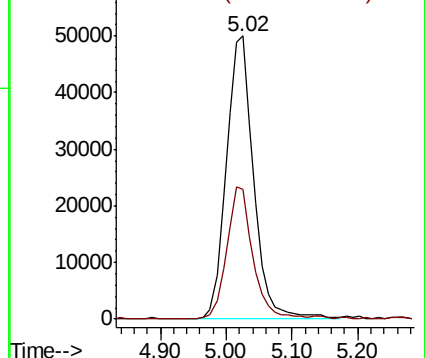
65 100

67 44.5 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF062382.D

Acq: 8 May 2019 17:32

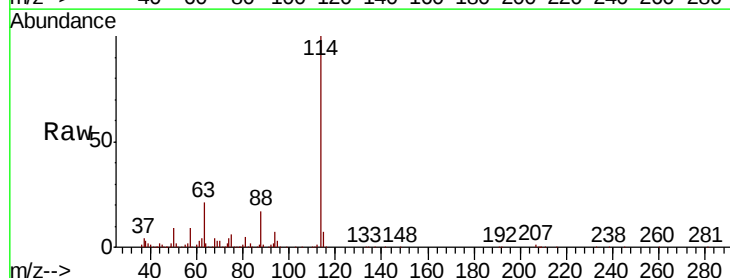
Tgt Ion: 114 Resp: 383373

Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.4

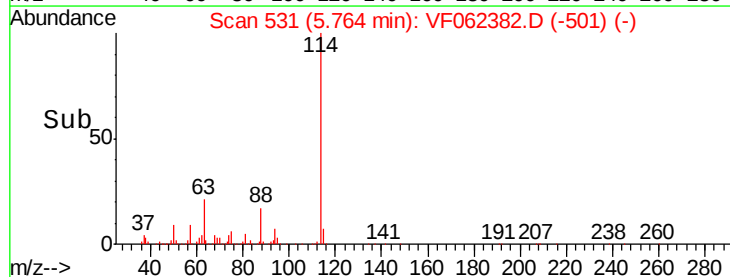
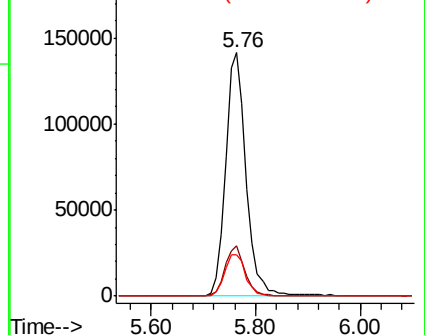
88 17.2 0.0 36.4

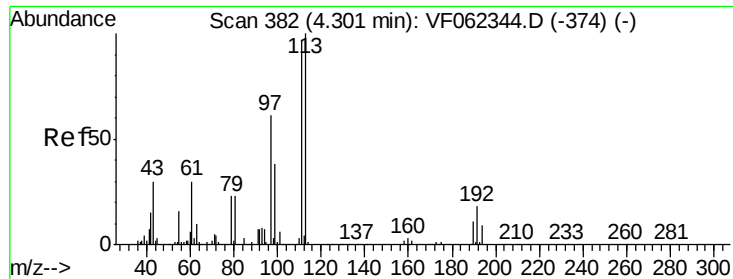


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

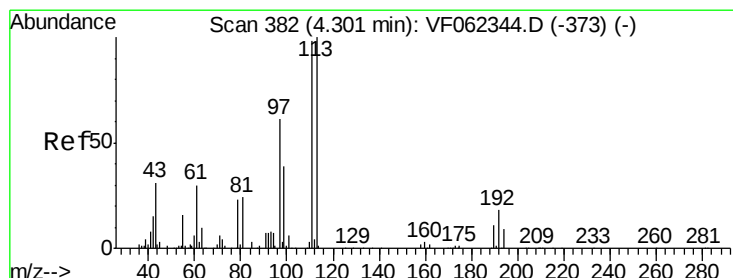
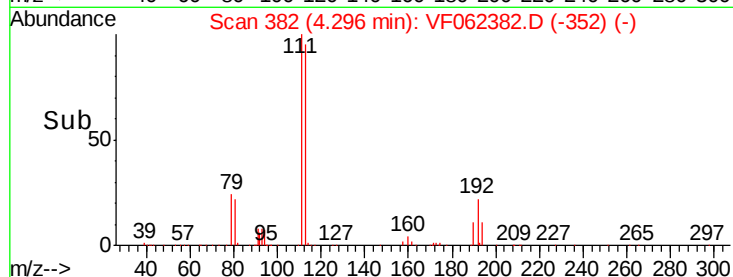
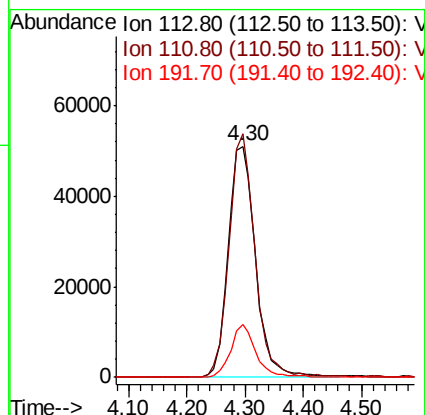
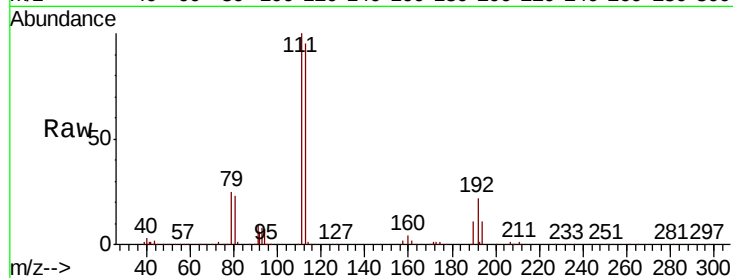




#35
Dibromofluoromethane
Concen: 54.234 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062382.D
Acq: 8 May 2019 17:32

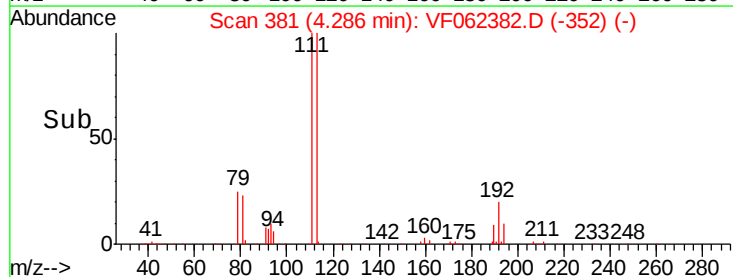
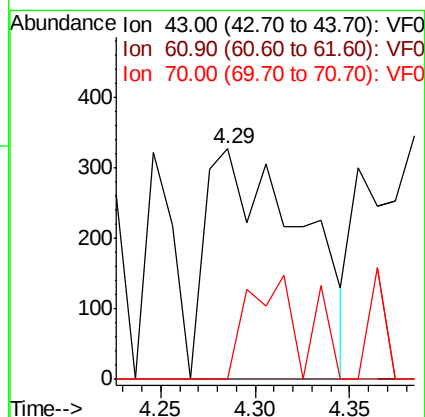
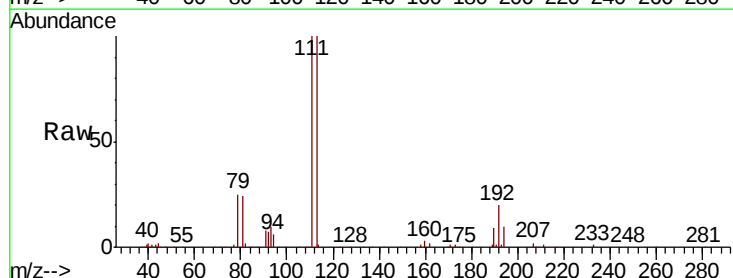
Instrument :
MSVOA_F
ClientSampleId :
SP-01-COMPRES

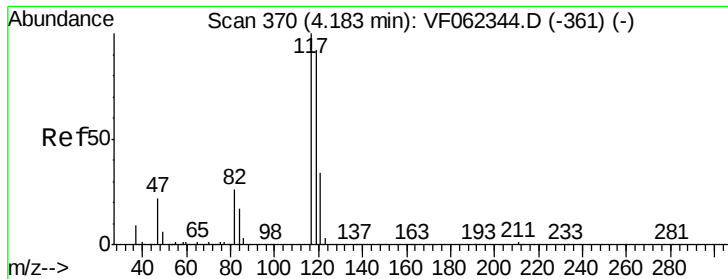
Tot Ion:113 Resp: 165646
Ion Ratio Lower Upper
113 100
111 100.7 79.4 119.0
192 21.0 16.0 24.0



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF062382.D
Acq: 8 May 2019 17:32

Tgt Ion: 43 Resp: 1146
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 0.0 8.2 12.2#





#38

Carbon Tetrachloride

Concen: Below Cal

RT: 4.22 min Scan# 374

Delta R.T. 0.03 min

Lab File: VF062382.D

Acq: 8 May 2019 17:32

Instrument :

MSVOA_F

ClientSampleId :

SP-01-COMPRES

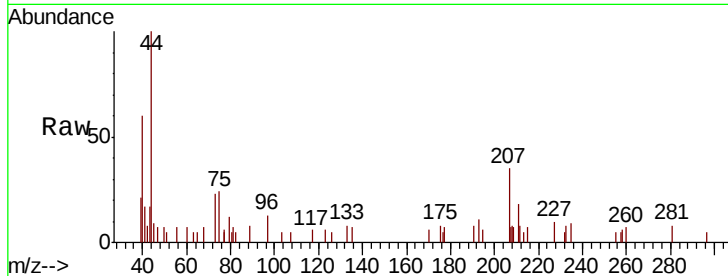
Tot Ion:117 Resp: 77

Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

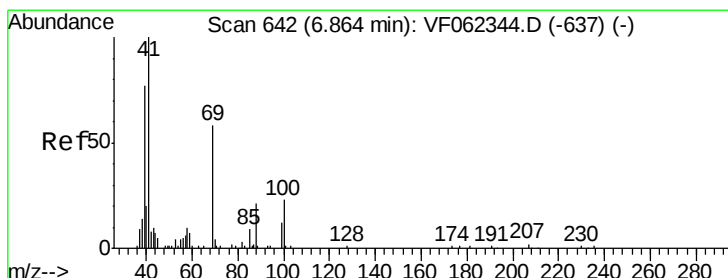
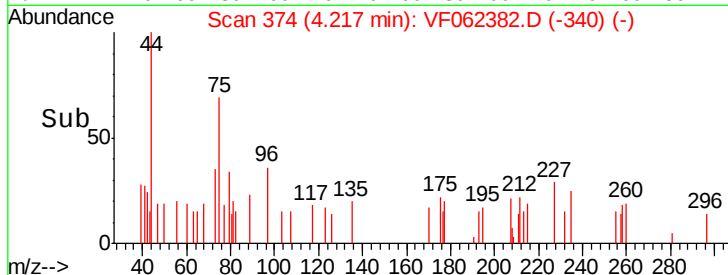
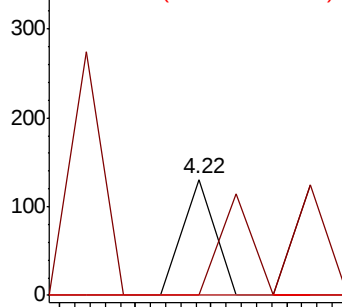
121 0.0 27.4 41.0#



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



#49

1,4-Dioxane

Concen: Below Cal

RT: 6.76 min Scan# 632

Delta R.T. -0.10 min

Lab File: VF062382.D

Acq: 8 May 2019 17:32

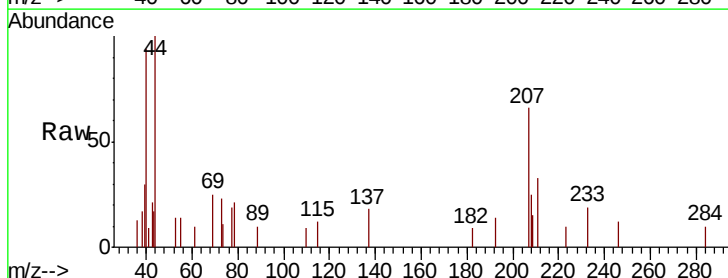
Tgt Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 549.2 55.6 83.4#

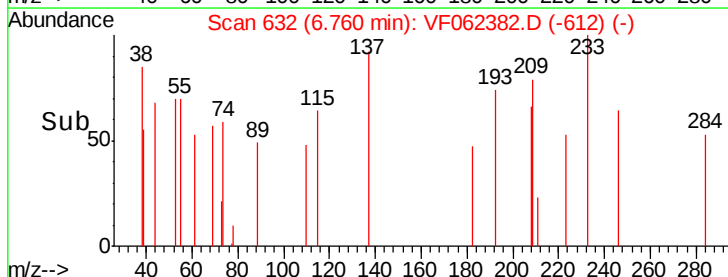
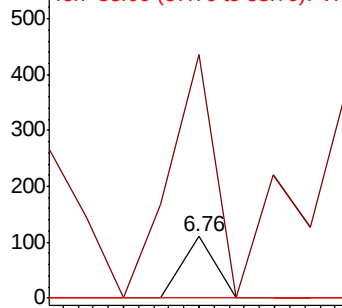
58 0.0 52.8 79.2#

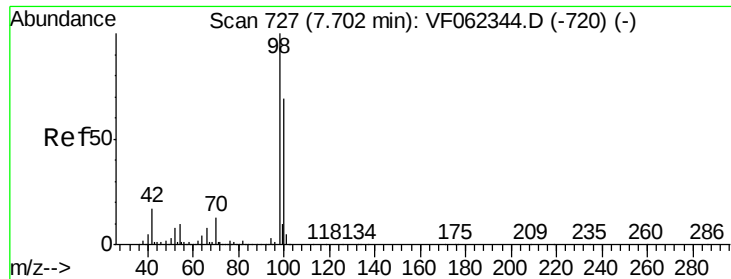


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 37.932 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF062382.D

Acq: 8 May 2019 17:32

Instrument :

MSVOA_F

ClientSampleId :

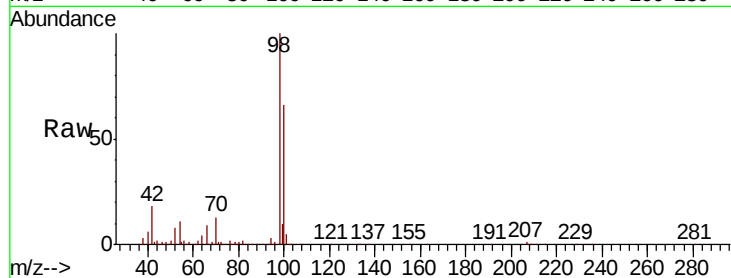
SP-01-COMPRES

Tot Ion: 98 Resp: 280441

Ion Ratio Lower Upper

98 100

100 65.2 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.70

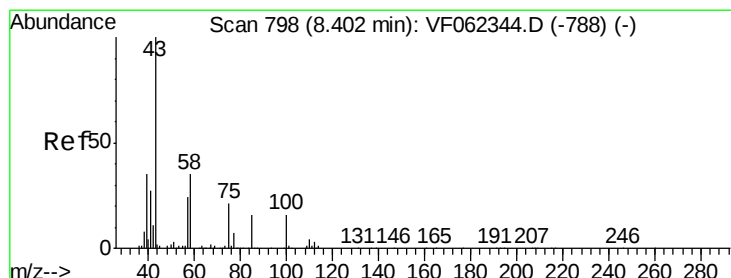
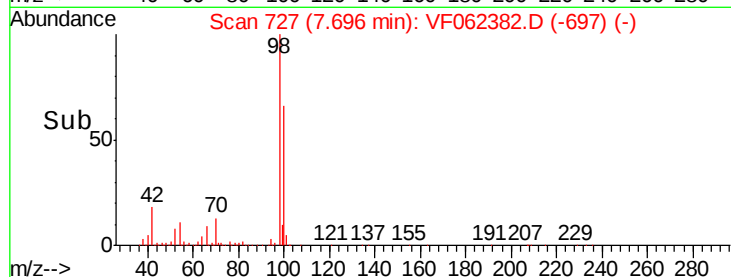
100000

50000

0

Time-->

7.60 7.70 7.80



#51

4-Methyl-2-Pentanone

Concen: 1.460 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF062382.D

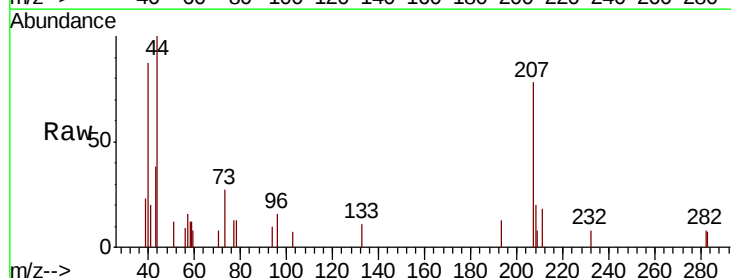
Acq: 8 May 2019 17:32

Tgt Ion: 43 Resp: 1657

Ion Ratio Lower Upper

43 100

58 18.7 27.8 41.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

600

500

400

300

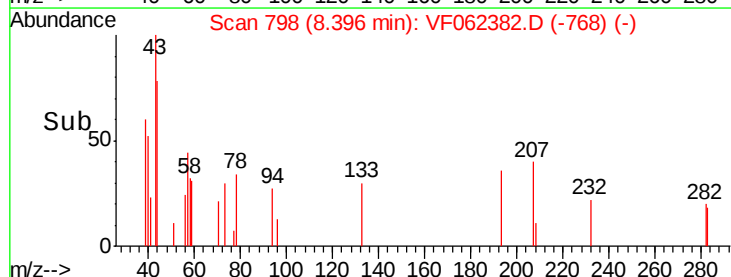
200

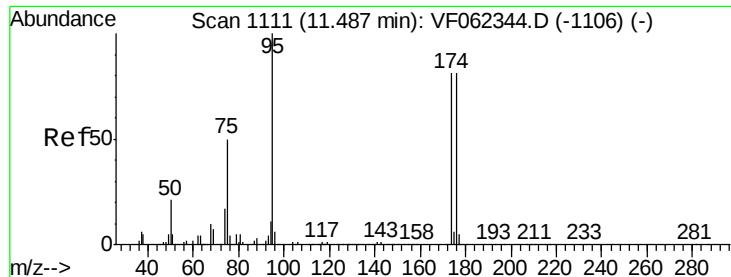
100

0

Time-->

8.30 8.35 8.40 8.45

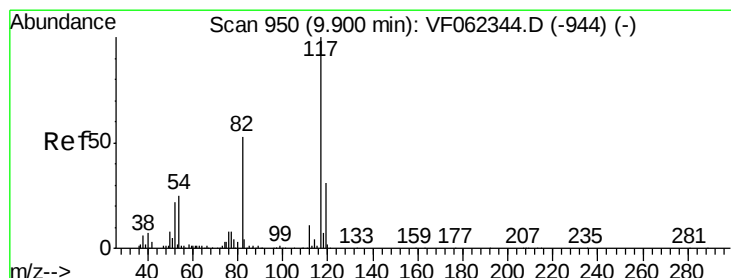
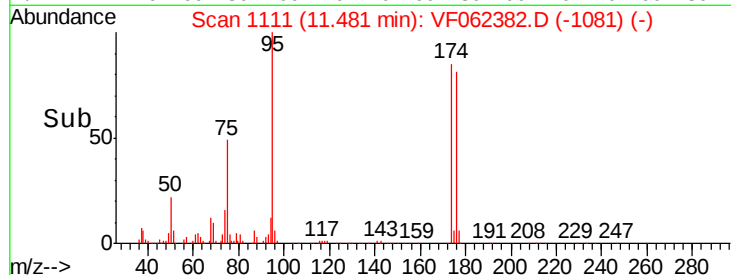
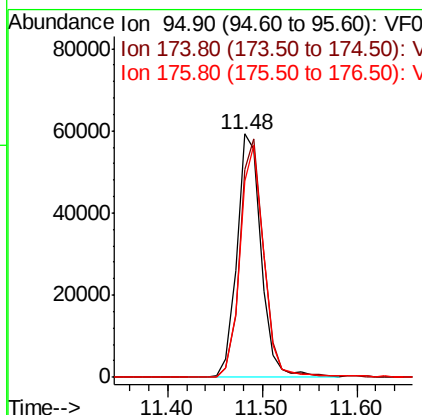
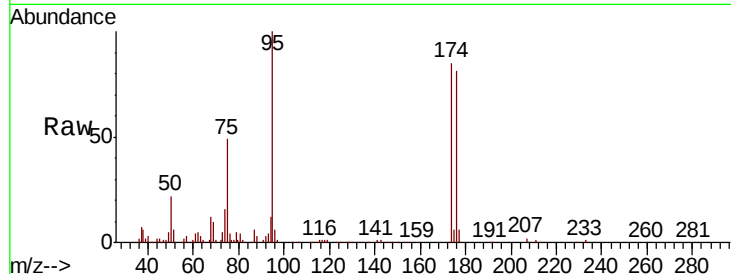




#62
4-Bromofluorobenzene
Concen: 31.584 ug/l
RT: 11.48 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VF062382.D
Acq: 8 May 2019 17:32

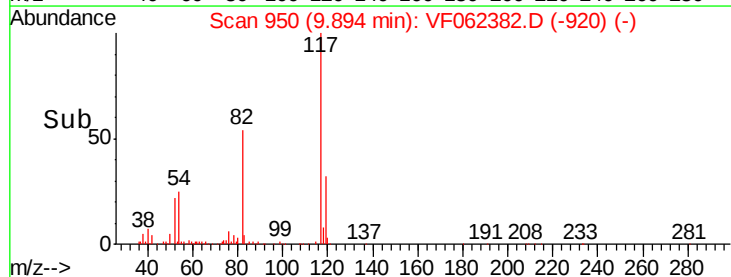
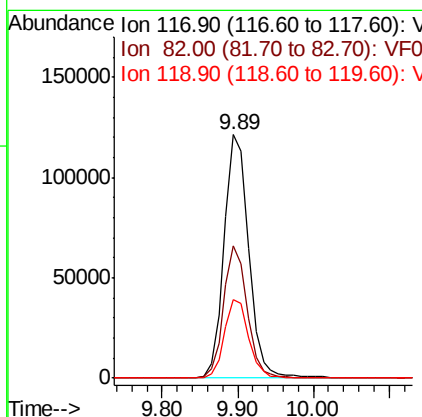
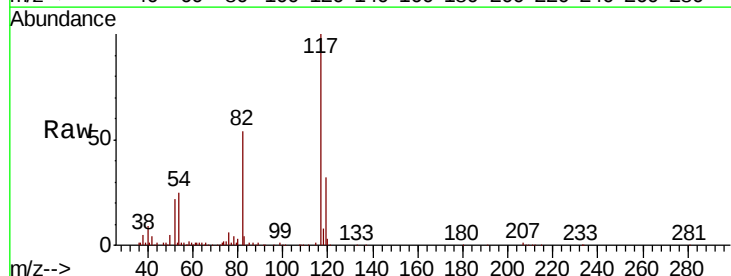
Instrument :
MSVOA_F
ClientSampleId :
SP-01-COMPRES

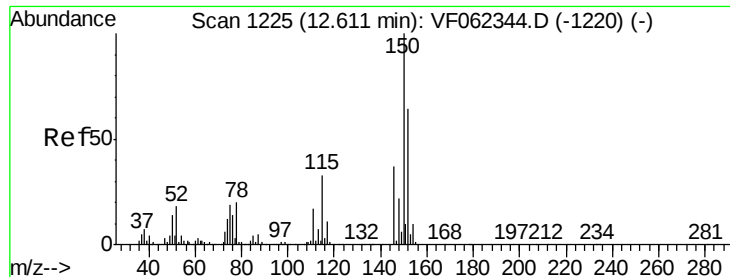
Tot Ion	95	Resp	105350
Ion Ratio	Lower	Upper	
95	100		
174	96.1	0.0	191.8
176	93.9	0.0	193.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF062382.D
Acq: 8 May 2019 17:32

Tgt Ion	117	Resp	273711
Ion Ratio	Lower	Upper	
117	100		
82	54.3	42.2	63.2
119	32.4	25.0	37.4

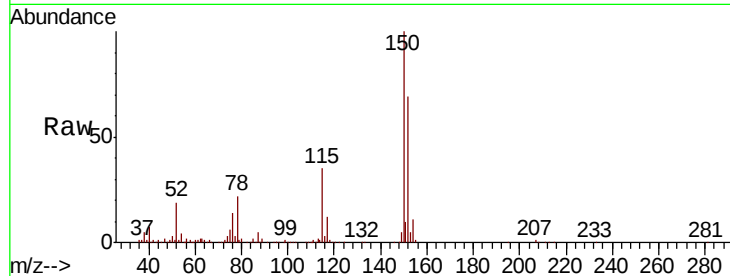




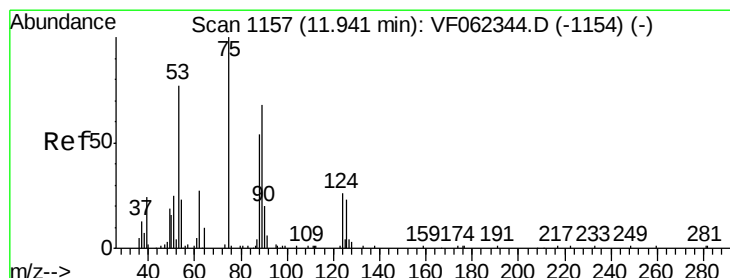
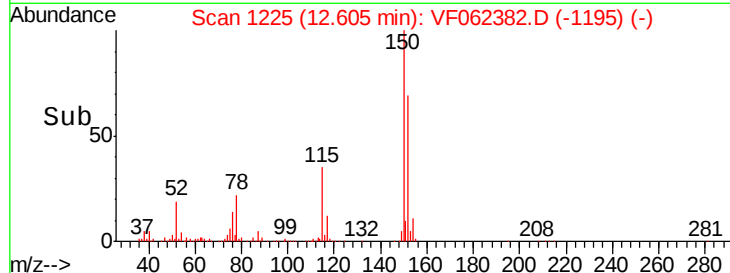
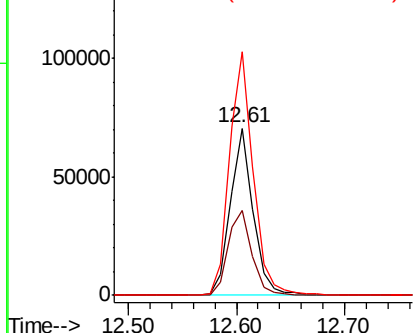
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.61 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: VF062382.D
 Acq: 8 May 2019 17:32

Instrument :
 MSVOA_F
 ClientSampleId :
 SP-01-COMPRES

Tot Ion:152 Resp: 104057
 Ion Ratio Lower Upper
 152 100
 115 52.9 26.4 79.2
 150 151.5 0.0 335.0

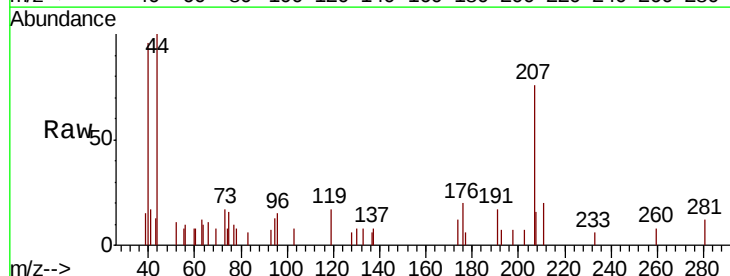


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V



#81
 trans-1,4-Dichloro-2-butene
 Concen: 2.437 ug/l
 RT: 11.94 min Scan# 1158
 Delta R.T. 0.00 min
 Lab File: VF062382.D
 Acq: 8 May 2019 17:32

Tgt Ion: 75 Resp: 675
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.9 107.9#
 89 10.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0
 Ion 53.00 (52.70 to 53.70): VF0
 Ion 88.90 (88.60 to 89.60): VF0

