

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042219\
 Data File : VF062249.D
 Acq On : 22 Apr 2019 17:17
 Operator : FY/SY
 Sample : K2475-07RE
 Misc : 5.13g/5mL/MSVOA F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-TRACK-78-79RE

Quant Time: Apr 23 01:08:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	464358	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.78	114	647597	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	514264	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	294137	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	177300	41.64	ug/l	0.01
Spiked Amount			Recovery	=	83.28%	
35) Dibromofluoromethane	4.31	113	238129	42.04	ug/l	0.01
Spiked Amount			Recovery	=	84.08%	
50) Toluene-d8	7.71	98	497047	34.66	ug/l	0.01
Spiked Amount			Recovery	=	69.32%	
62) 4-Bromofluorobenzene	11.49	95	222121	40.27	ug/l	0.01
Spiked Amount			Recovery	=	80.54%	

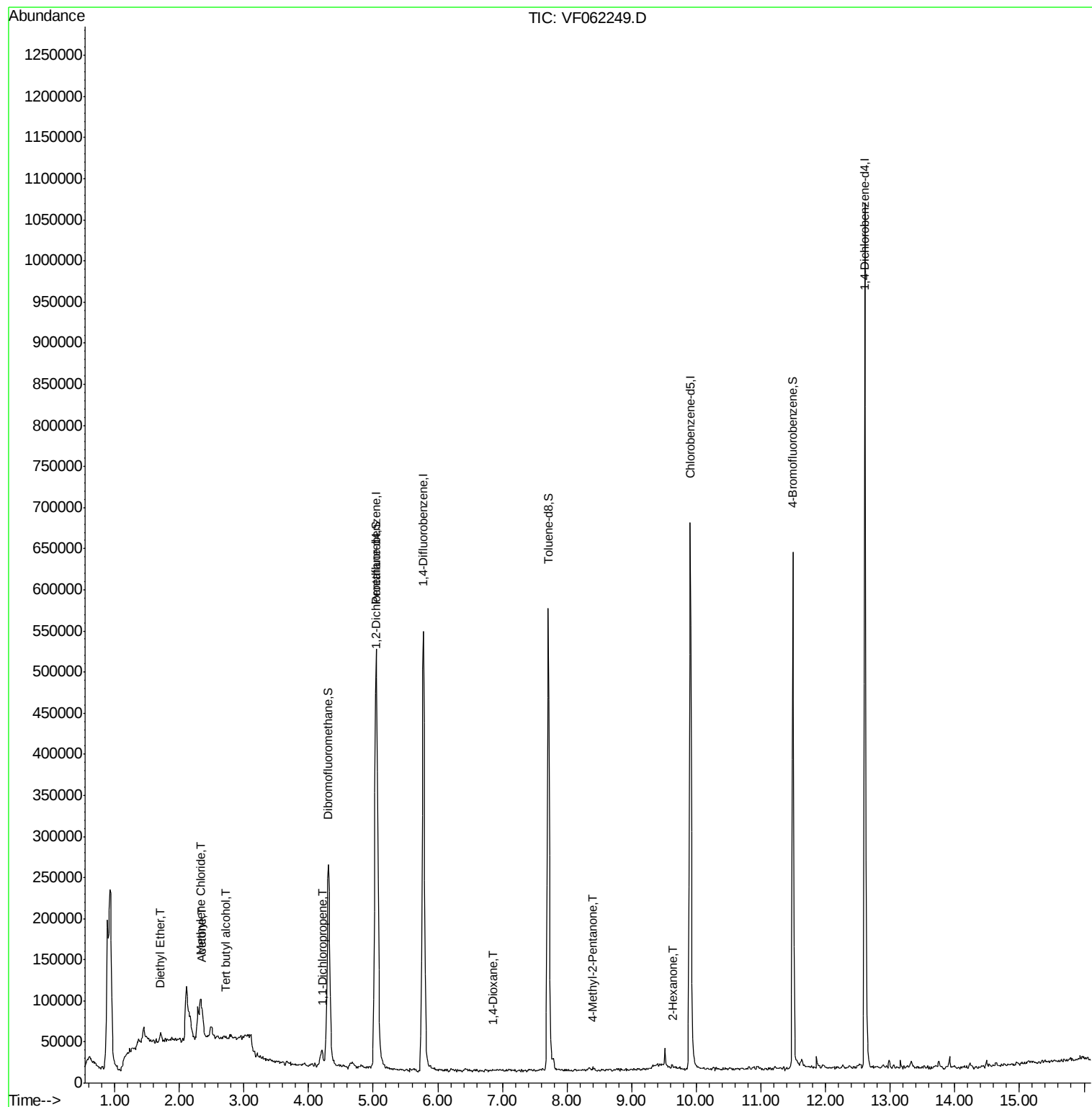
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.71	74	5011	3.024	ug/l	100
11) Tert butyl alcohol	2.71	59	2392	8.082	ug/l #	70
13) Acrolein	2.10	56	1165	Below Cal	#	1
16) Acetone	2.36	43	28032	27.543	ug/l	93
18) Methyl Acetate	2.48	43	9671	Below Cal	#	78
20) Methylene Chloride	2.33	84	40000	1.990	ug/l	87
36) 1,1-Dichloropropene	4.21	75	30888	3.978	ug/l #	47
49) 1,4-Dioxane	6.87	88	124	4.270	ug/l #	1
51) 4-Methyl-2-Pentanone	8.41	43	5498	1.918	ug/l #	68
59) 2-Hexanone	9.63	43	2360	1.457	ug/l	86
74) N-amyl acetate	11.45	43	2707	Below Cal	#	50
89) n-Butylbenzene	12.89	91	2159	Below Cal		86

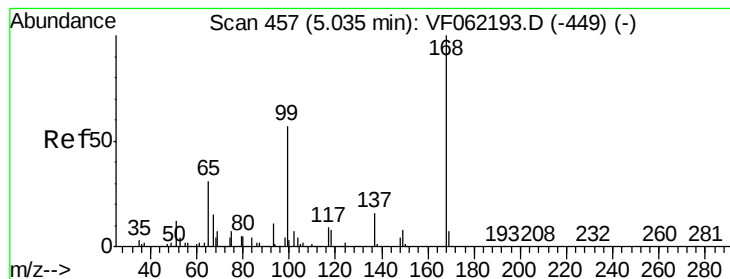
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042219\
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QLast Update : Fri Apr 19 23:52:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.02 min

Lab File: VF062249.D

Acq: 22 Apr 2019 17:17

Instrument :

MSVOA_F

ClientSampleId :

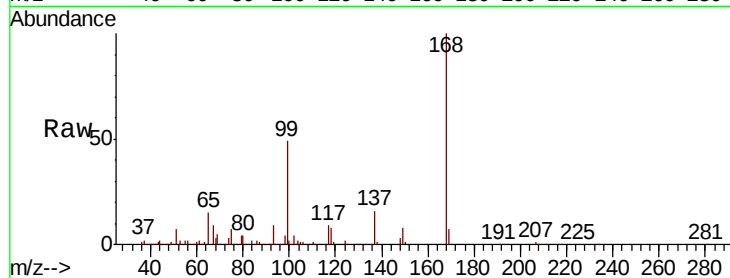
TP-TRACK-78-79RE

Tot Ion:168 Resp: 464358

Ion Ratio Lower Upper

168 100

99 48.8 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

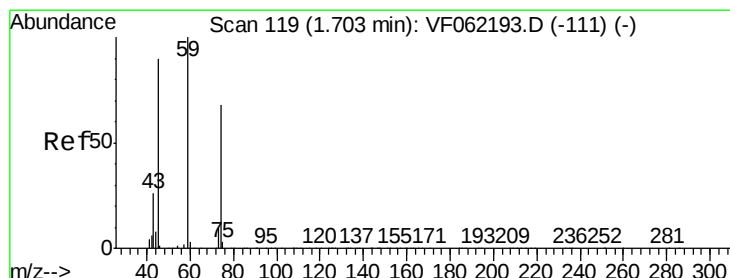
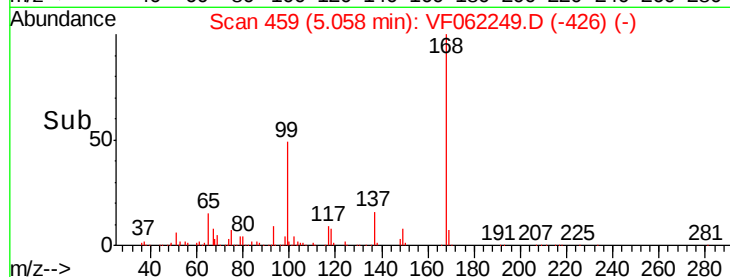
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 3.024 ug/l

RT: 1.71 min Scan# 119

Delta R.T. 0.00 min

Lab File: VF062249.D

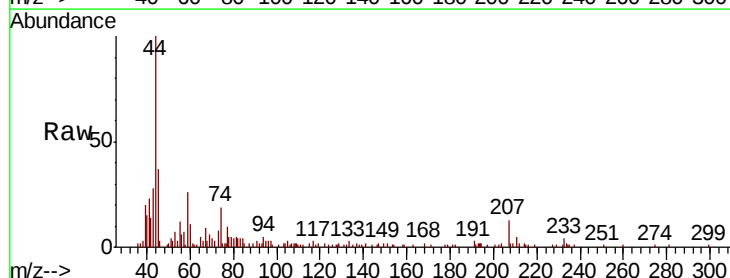
Acq: 22 Apr 2019 17:17

Tgt Ion: 74 Resp: 5011

Ion Ratio Lower Upper

74 100

45 140.2 70.0 210.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.71

4000

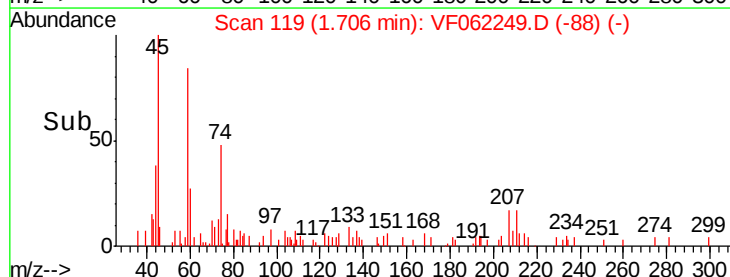
3000

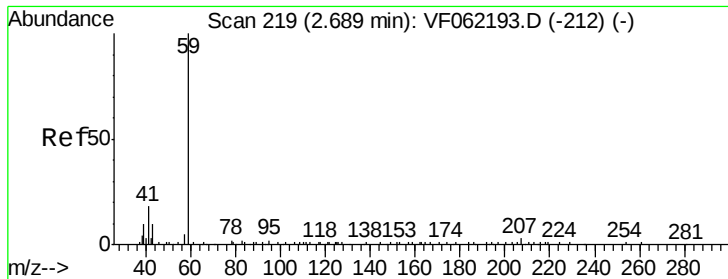
2000

1000

0

Time-->

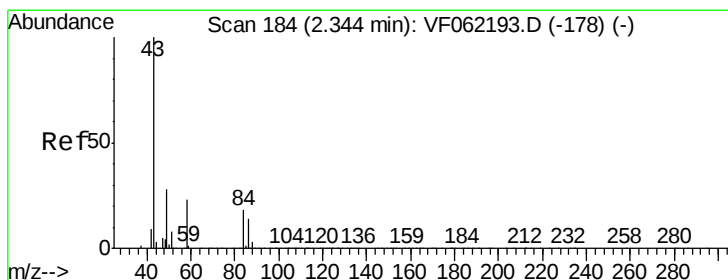
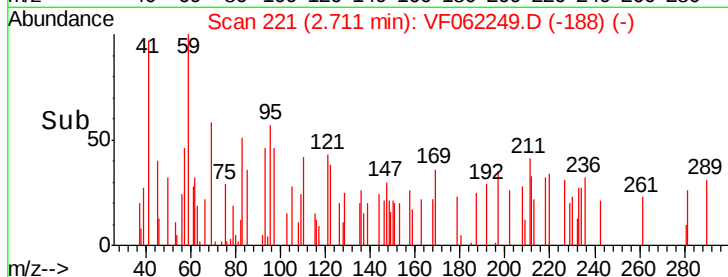
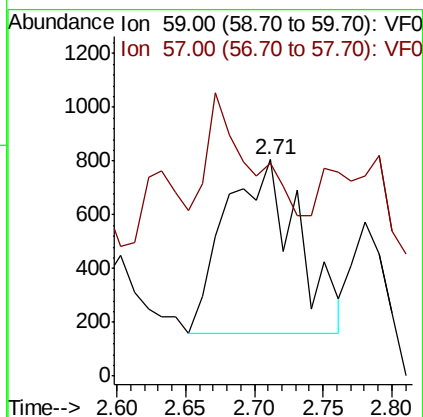
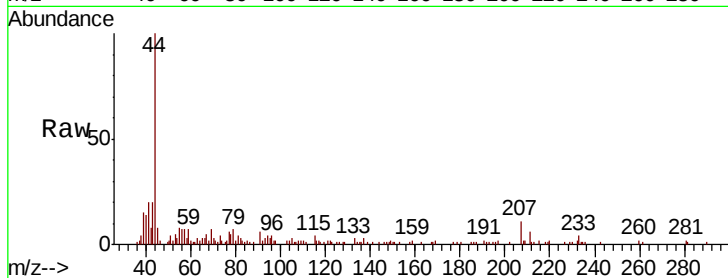




#11
Tert butyl alcohol
Concen: 8.082 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.02 min
Lab File: VF062249.D
Acq: 22 Apr 2019 17:17

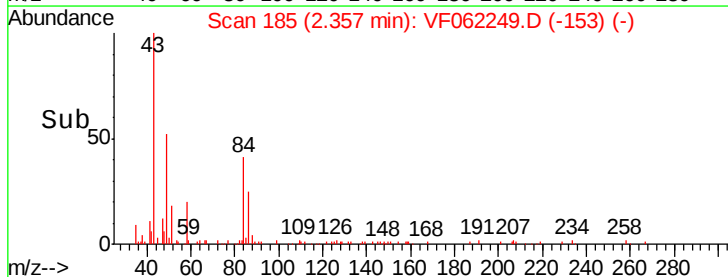
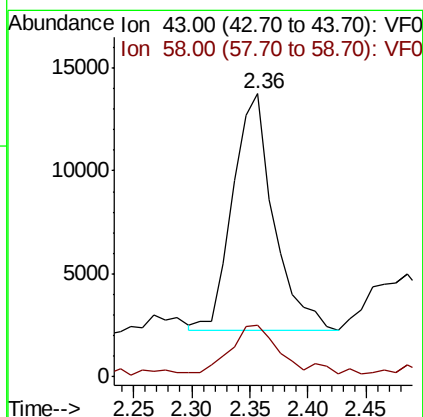
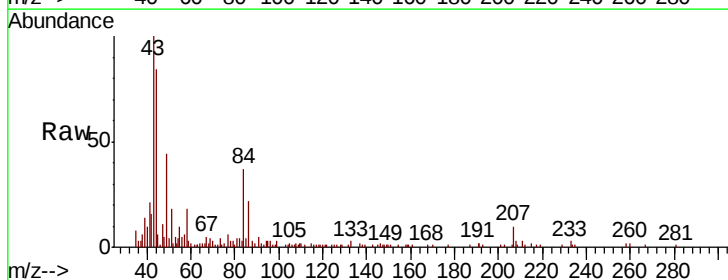
Instrument :
MSVOA_F
ClientSampleId :
TP-TRACK-78-79RE

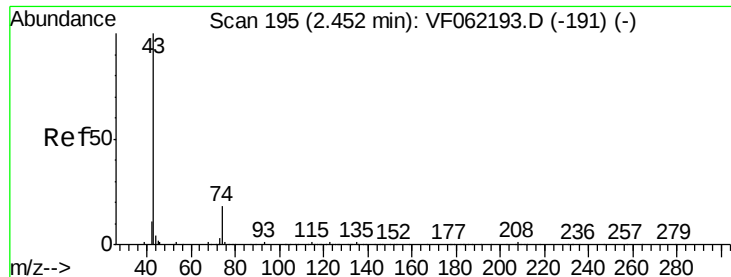
Tot Ion: 59 Resp: 2392
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#



#16
Acetone
Concen: 27.543 ug/l
RT: 2.36 min Scan# 185
Delta R.T. 0.01 min
Lab File: VF062249.D
Acq: 22 Apr 2019 17:17

Tgt Ion: 43 Resp: 28032
Ion Ratio Lower Upper
43 100
58 20.3 18.8 28.2

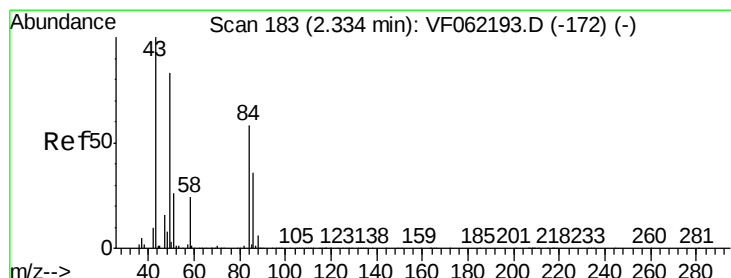
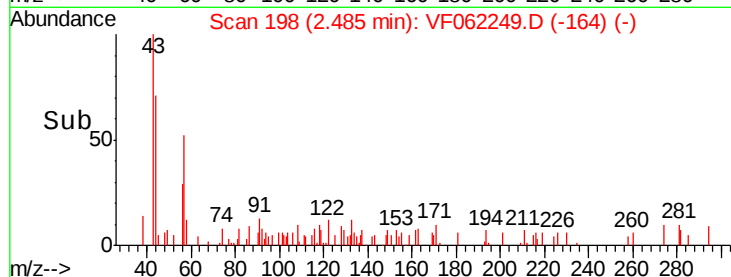
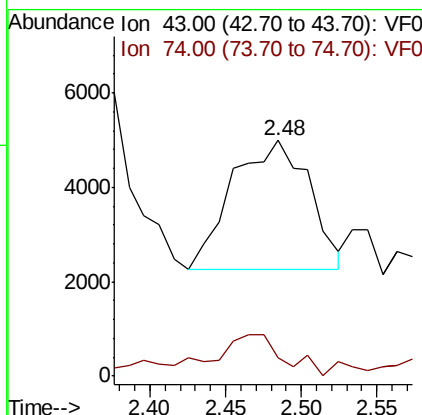
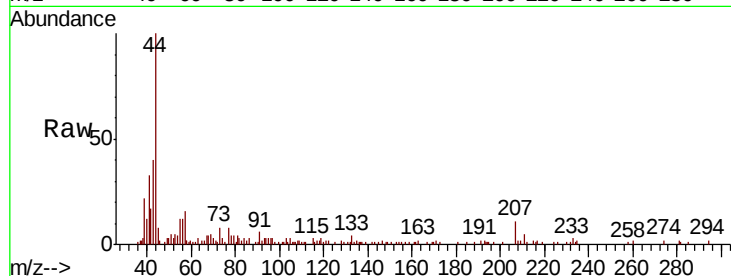




#18
Methyl Acetate
Concen: Below Cal
RT: 2.48 min Scan# 198
Delta R.T. 0.03 min
Lab File: VF062249.D
Acq: 22 Apr 2019 17:17

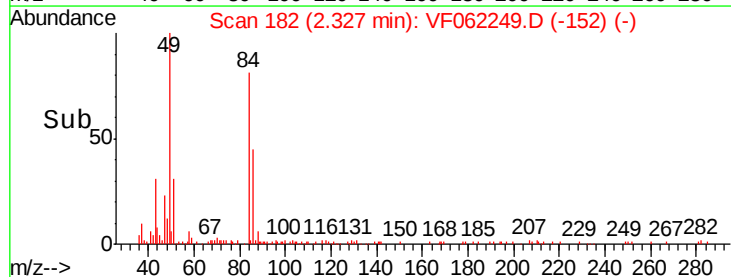
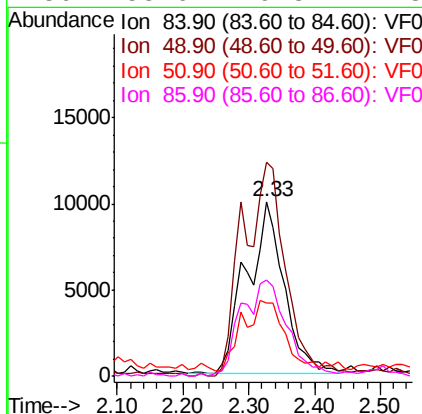
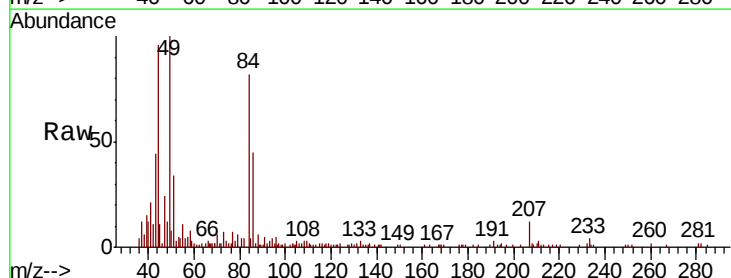
Instrument :
MSVOA_F
ClientSampleId :
TP-TRACK-78-79RE

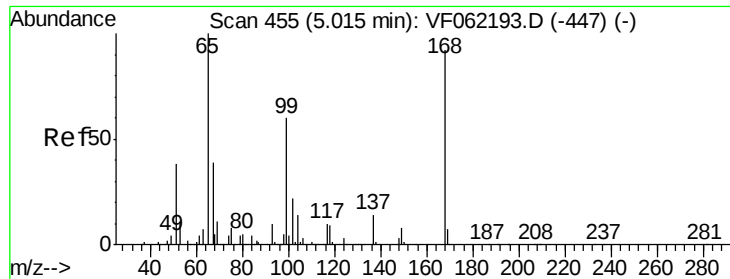
Tot Ion: 43 Resp: 9671
Ion Ratio Lower Upper
43 100
74 27.8 14.5 21.7#



#20
Methylene Chloride
Concen: 1.990 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF062249.D
Acq: 22 Apr 2019 17:17

Tgt Ion: 84 Resp: 40000
Ion Ratio Lower Upper
84 100
49 124.2 114.0 171.0
51 39.2 37.0 55.4
86 55.6 49.8 74.8





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.01 min

Lab File: VF062249.D

Acq: 22 Apr 2019 17:17

Instrument :

MSVOA_F

ClientSampleId :

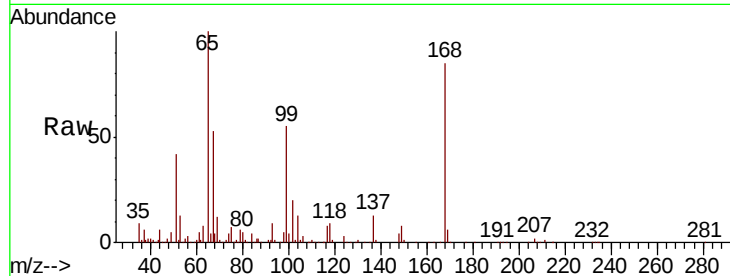
TP-TRACK-78-79RE

Tot Ion: 65 Resp: 177300

Ion Ratio Lower Upper

65 100

67 50.1 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

5.03

60000

40000

20000

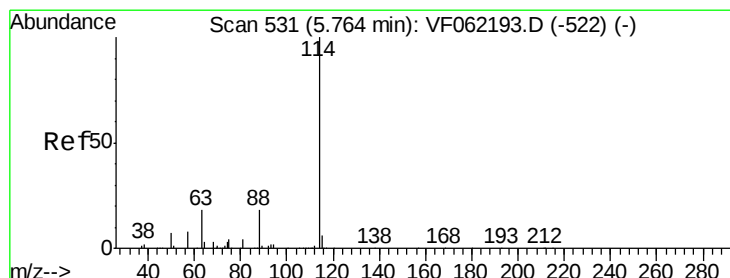
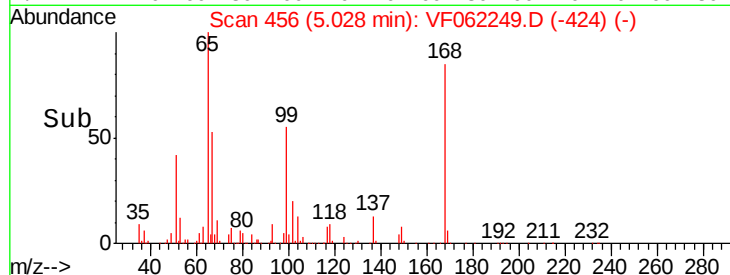
0

Time-->

4.80

5.00

5.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. 0.01 min

Lab File: VF062249.D

Acq: 22 Apr 2019 17:17

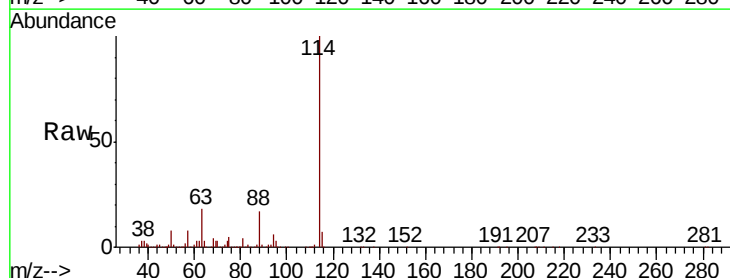
Tgt Ion: 114 Resp: 647597

Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.6

88 17.3 0.0 35.8



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

5.78

300000

250000

200000

150000

100000

50000

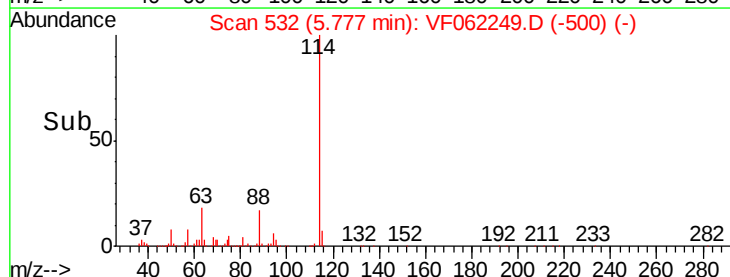
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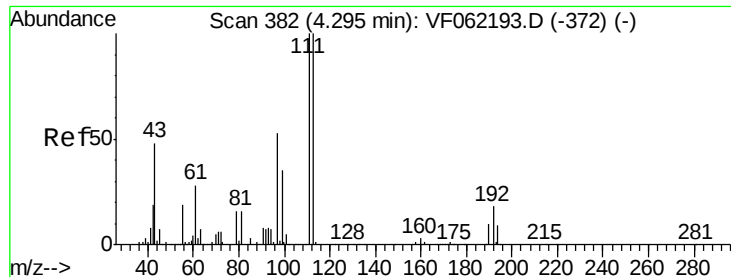
Time-->

5.60

5.80

6.00





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF062249.D

Acq: 22 Apr 2019 17:17

Instrument :

MSVOA_F

ClientSampleId :

TP-TRACK-78-79RE

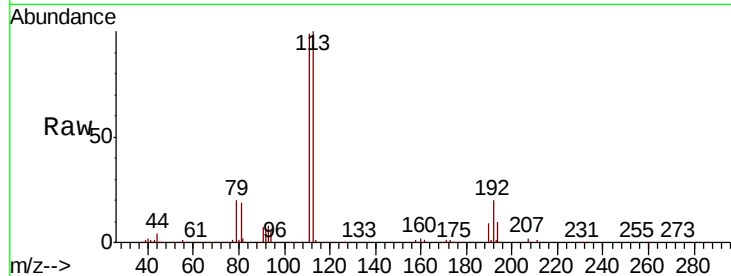
Tot Ion:113 Resp: 238129

Ion Ratio Lower Upper

113 100

111 100.1 81.1 121.7

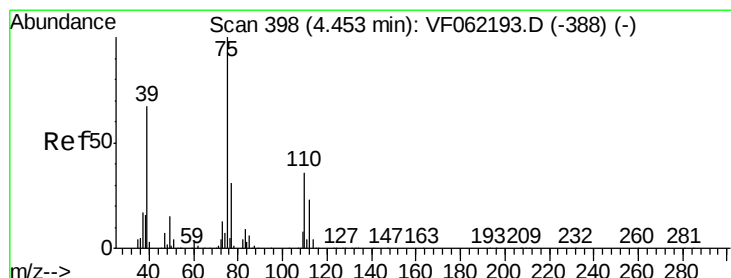
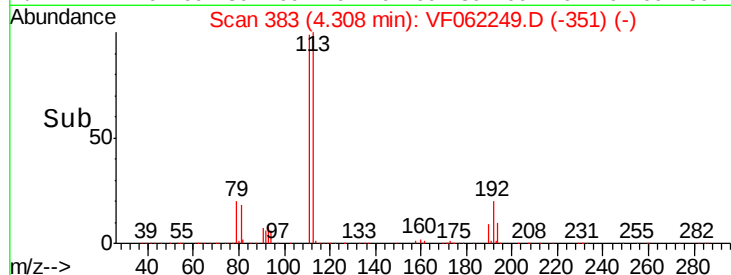
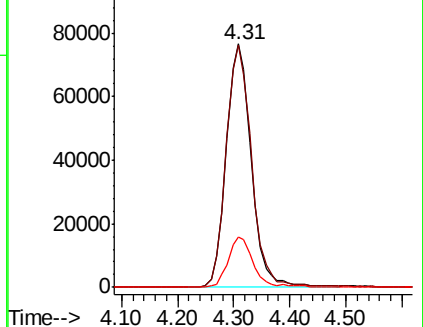
192 20.5 14.7 22.1



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



#36

1,1-Dichloropropene

Concen: 3.978 ug/l

RT: 4.21 min Scan# 373

Delta R.T. -0.24 min

Lab File: VF062249.D

Acq: 22 Apr 2019 17:17

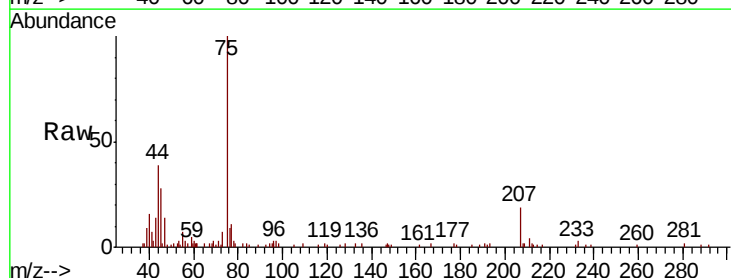
Tgt Ion: 75 Resp: 30888

Ion Ratio Lower Upper

75 100

110 0.0 18.4 55.2#

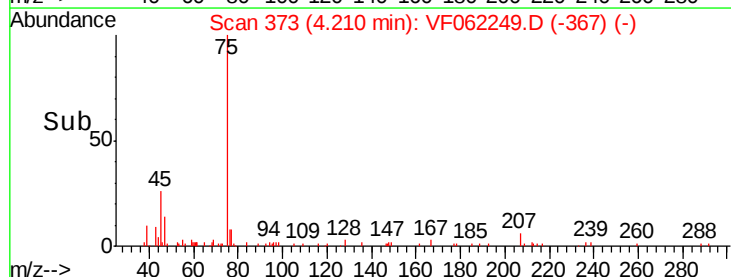
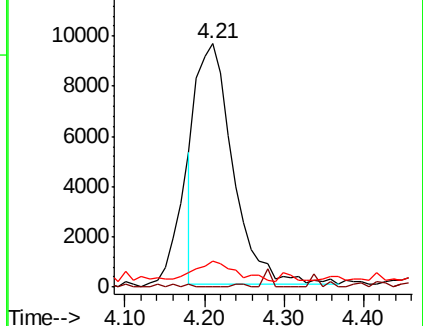
77 8.1 25.4 38.2#

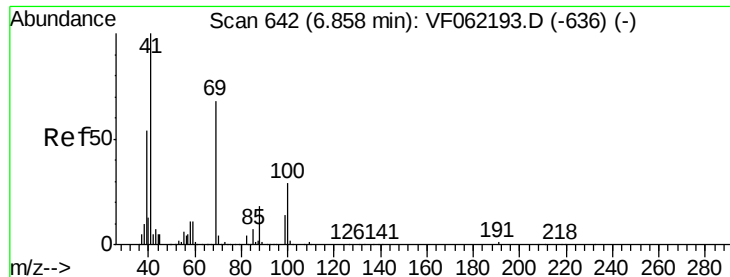


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VF0





#49

1,4-Dioxane

Concen: 4.270 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.01 min

Lab File: VF062249.D

Acq: 22 Apr 2019 17:17

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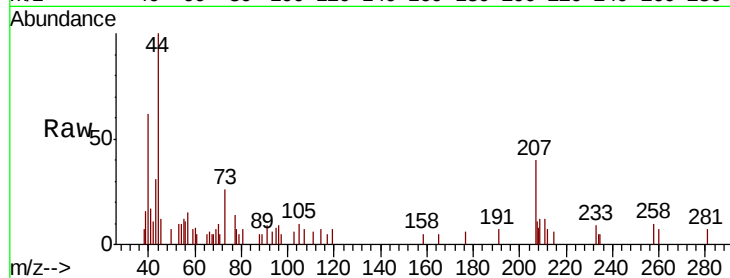
Tot Ion: 88 Resp: 124

Ion Ratio Lower Upper

88 100

43 1502.4 36.9 55.3#

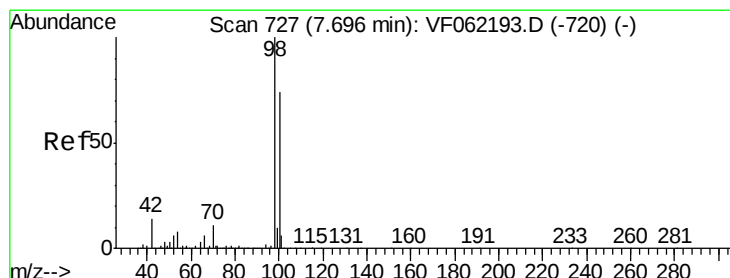
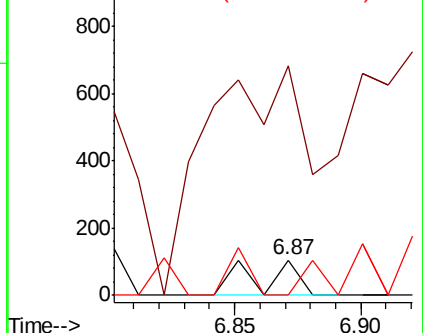
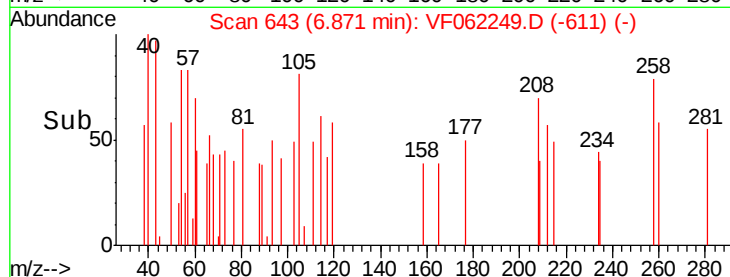
58 67.7 56.8 85.2



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: 4.270 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.01 min

Lab File: VF062249.D

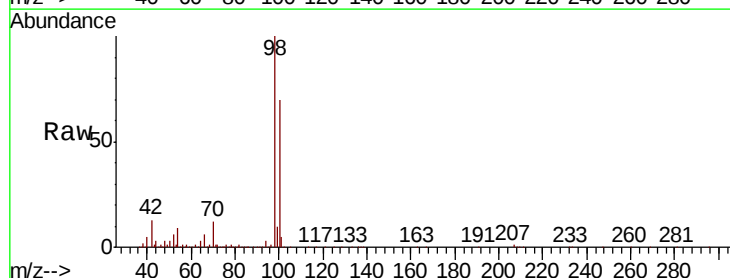
Acq: 22 Apr 2019 17:17

Tgt Ion: 98 Resp: 497047

Ion Ratio Lower Upper

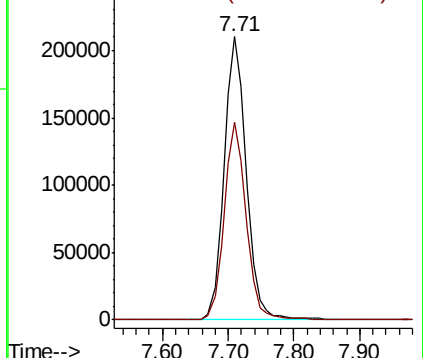
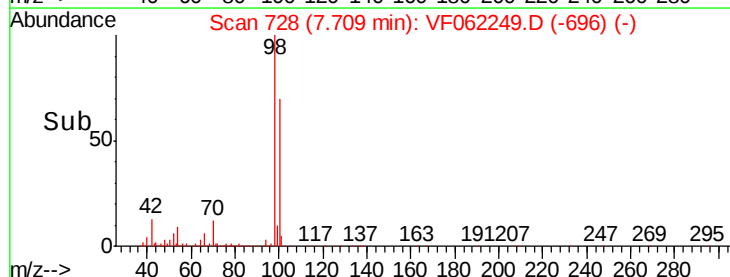
98 100

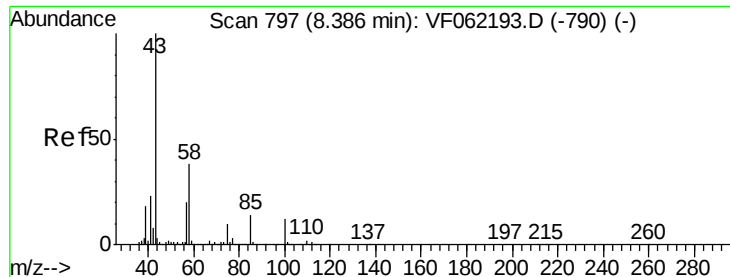
100 68.9 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 1.918 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.02 min

Lab File: VF062249.D

Acq: 22 Apr 2019 17:17

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ClientSampleId :

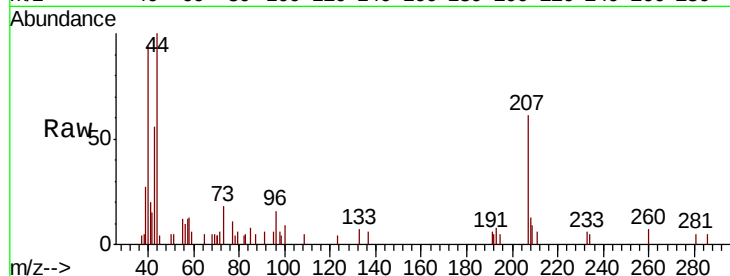
TP-TRACK-78-79RE

Tot Ion: 43 Resp: 5498

Ion Ratio Lower Upper

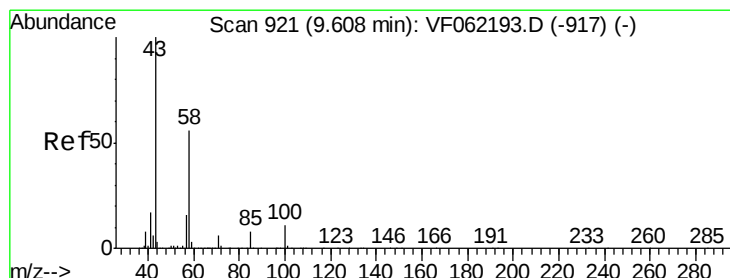
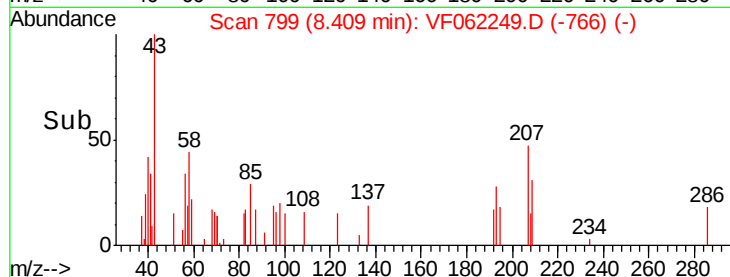
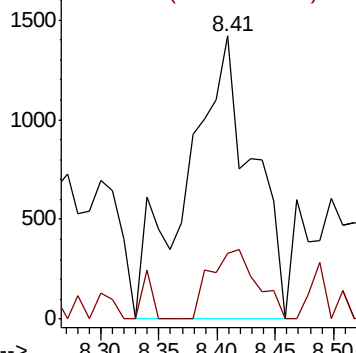
43 100

58 17.7 29.3 43.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#59

2-Hexanone

Concen: 1.457 ug/l

RT: 9.63 min Scan# 923

Delta R.T. 0.02 min

Lab File: VF062249.D

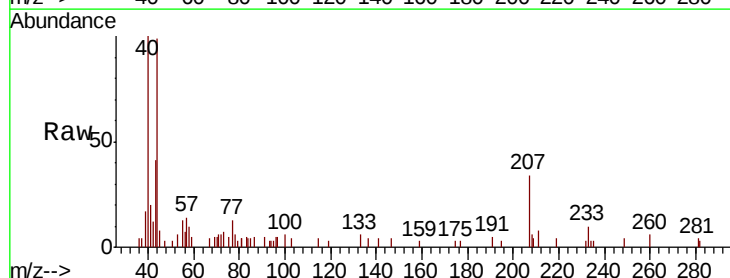
Acq: 22 Apr 2019 17:17

Tgt Ion: 43 Resp: 2360

Ion Ratio Lower Upper

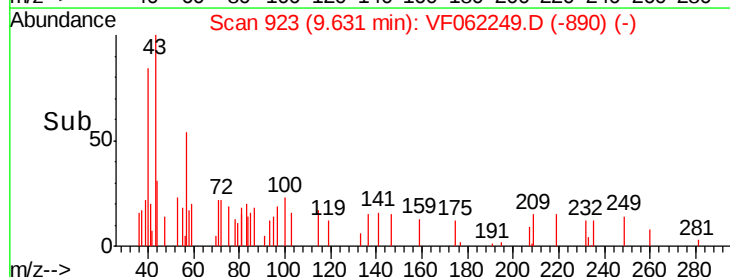
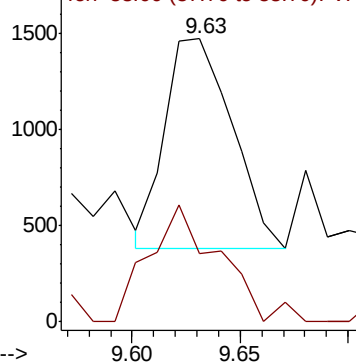
43 100

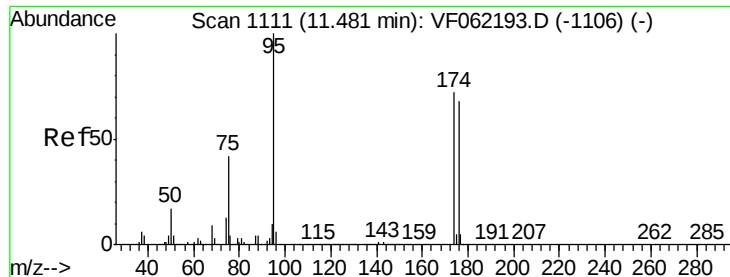
58 58.9 24.6 74.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

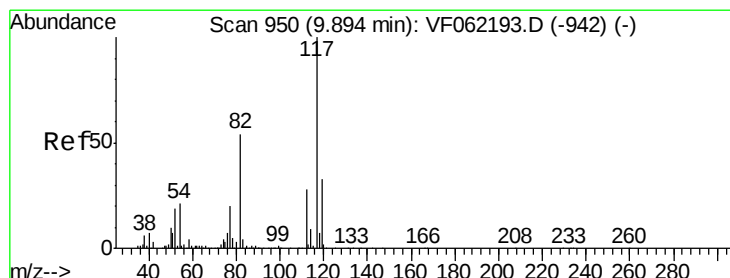
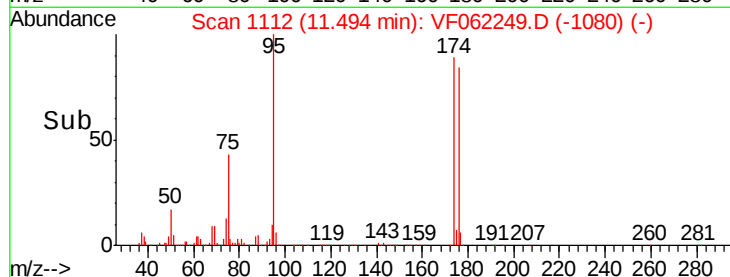
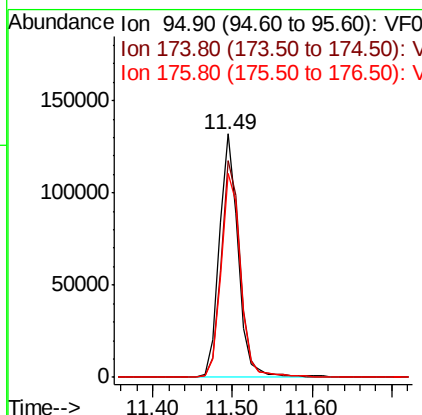
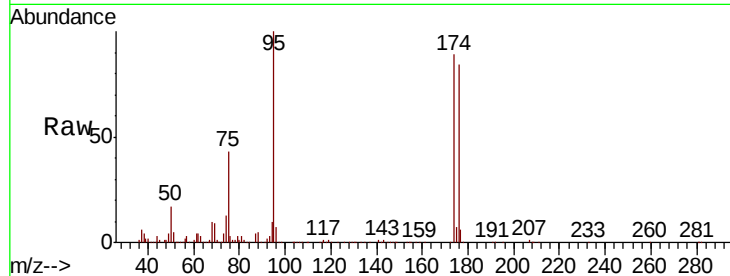




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 11.49 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VF062249.D
Acq: 22 Apr 2019 17:17

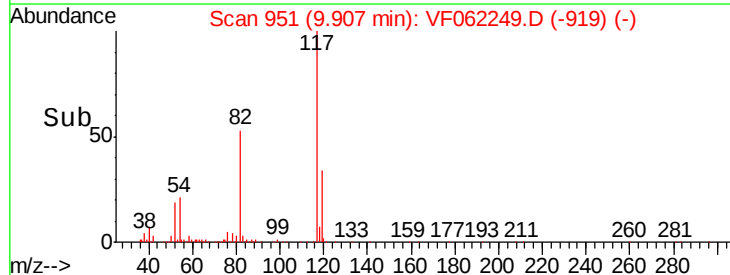
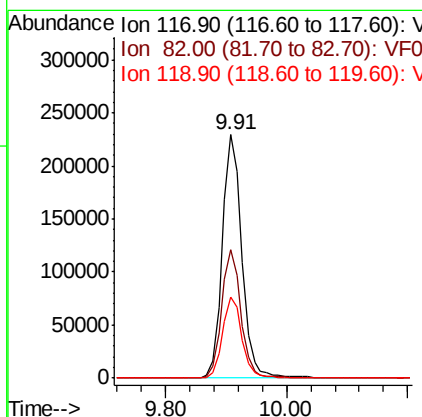
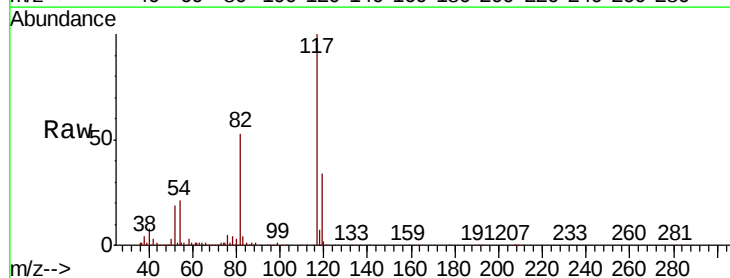
Instrument :
MSVOA_F
ClientSampleId :
TP-TRACK-78-79RE

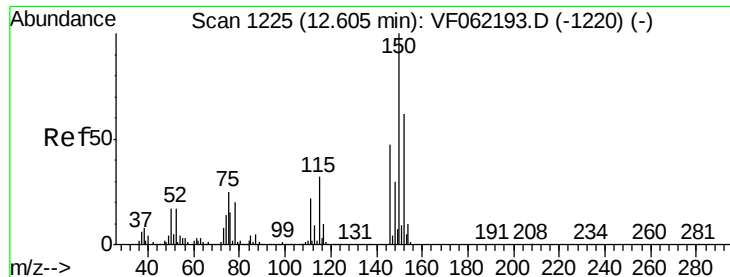
Tot Ion	Ratio	Lower	Upper
95	100		
174	91.3	0.0	159.4
176	87.3	0.0	155.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. 0.01 min
Lab File: VF062249.D
Acq: 22 Apr 2019 17:17

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.8	43.2	64.8
119	33.5	26.2	39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VF062249.D

Acq: 22 Apr 2019 17:17

Instrument :

MSVOA_F

ClientSampleId :

TP-TRACK-78-79RE

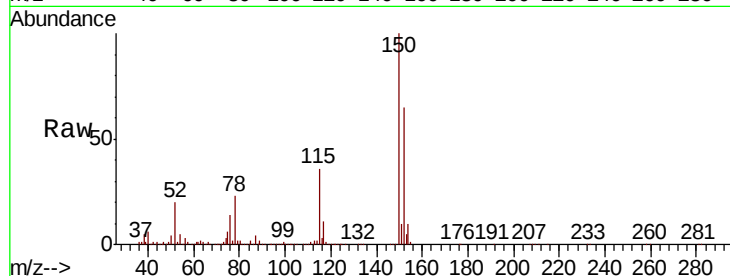
Tot Ion:152 Resp: 294137

Ion Ratio Lower Upper

152 100

115 53.3 27.8 83.3

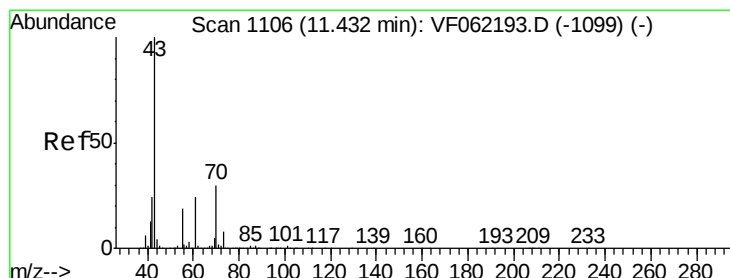
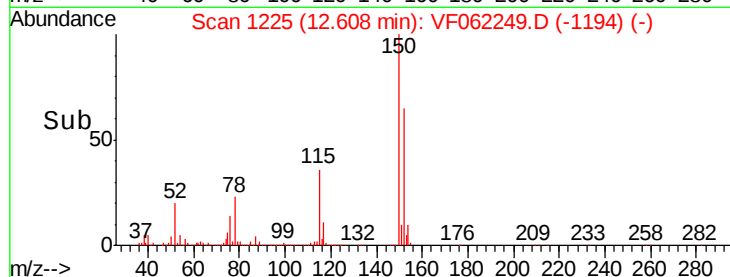
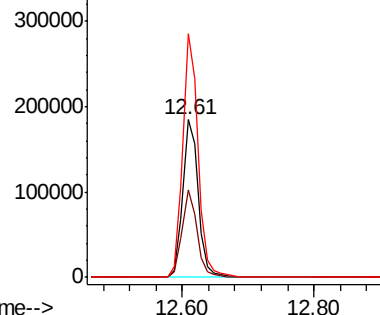
150 152.2 0.0 341.8



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



#74

N-amil acetate

Concen: Below Cal

RT: 11.45 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VF062249.D

Acq: 22 Apr 2019 17:17

Tgt Ion: 43 Resp: 2707

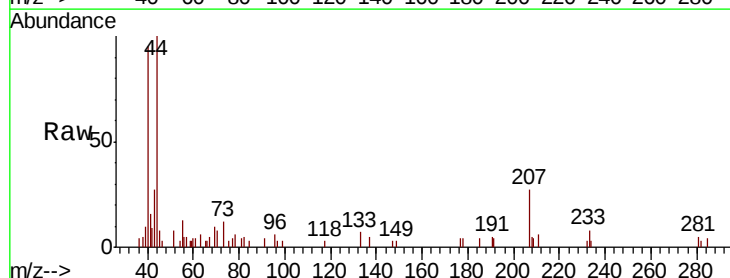
Ion Ratio Lower Upper

43 100

70 0.0 27.0 40.4#

55 34.8 15.7 23.5#

61 0.0 20.8 31.2#

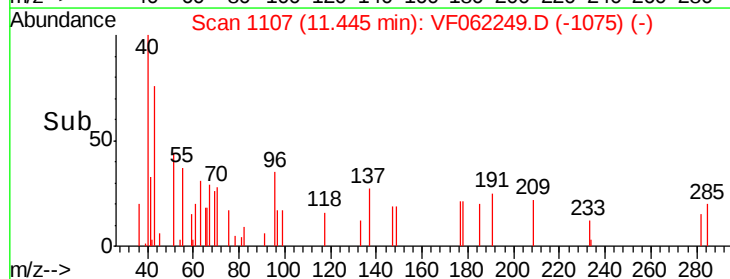
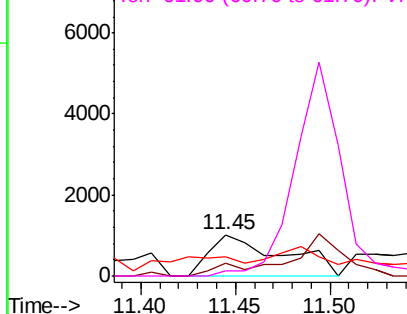


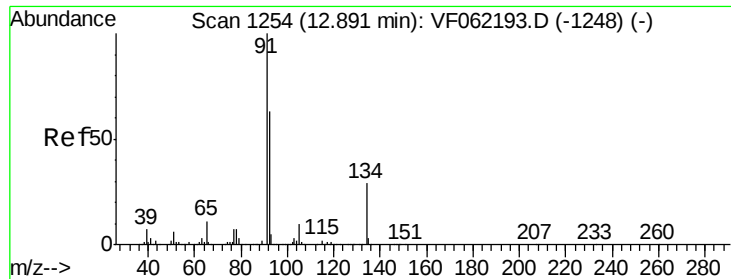
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#89

n-Butylbenzene

Concen: Below Cal

RT: 12.89 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VF062249.D

Acq: 22 Apr 2019 17:17

Instrument :

MSVOA_F

ClientSampleId :

TP-TRACK-78-79RE

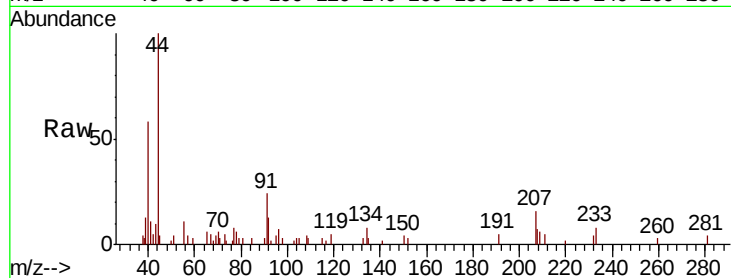
Tot Ion: 91 Resp: 2159

Ion Ratio Lower Upper

91 100

92 50.9 31.2 93.6

134 32.1 13.1 39.1



Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

