

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042219\
 Data File : VF062248.D
 Acq On : 22 Apr 2019 16:48
 Operator : FY/SY
 Sample : K2475-05RE
 Misc : 4.56g/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-TRACK-74-75RE

Quant Time: Apr 23 01:08:00 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	455894	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.78	114	671476	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	512911	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	303897	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	173399	41.48	ug/l	0.01
Spiked Amount			Recovery	=	82.96%	
35) Dibromofluoromethane	4.31	113	242416	41.27	ug/l	0.01
Spiked Amount			Recovery	=	82.54%	
50) Toluene-d8	7.71	98	485805	32.67	ug/l	0.01
Spiked Amount			Recovery	=	65.34%	
62) 4-Bromofluorobenzene	11.49	95	220162	38.49	ug/l	0.01
Spiked Amount			Recovery	=	76.98%	

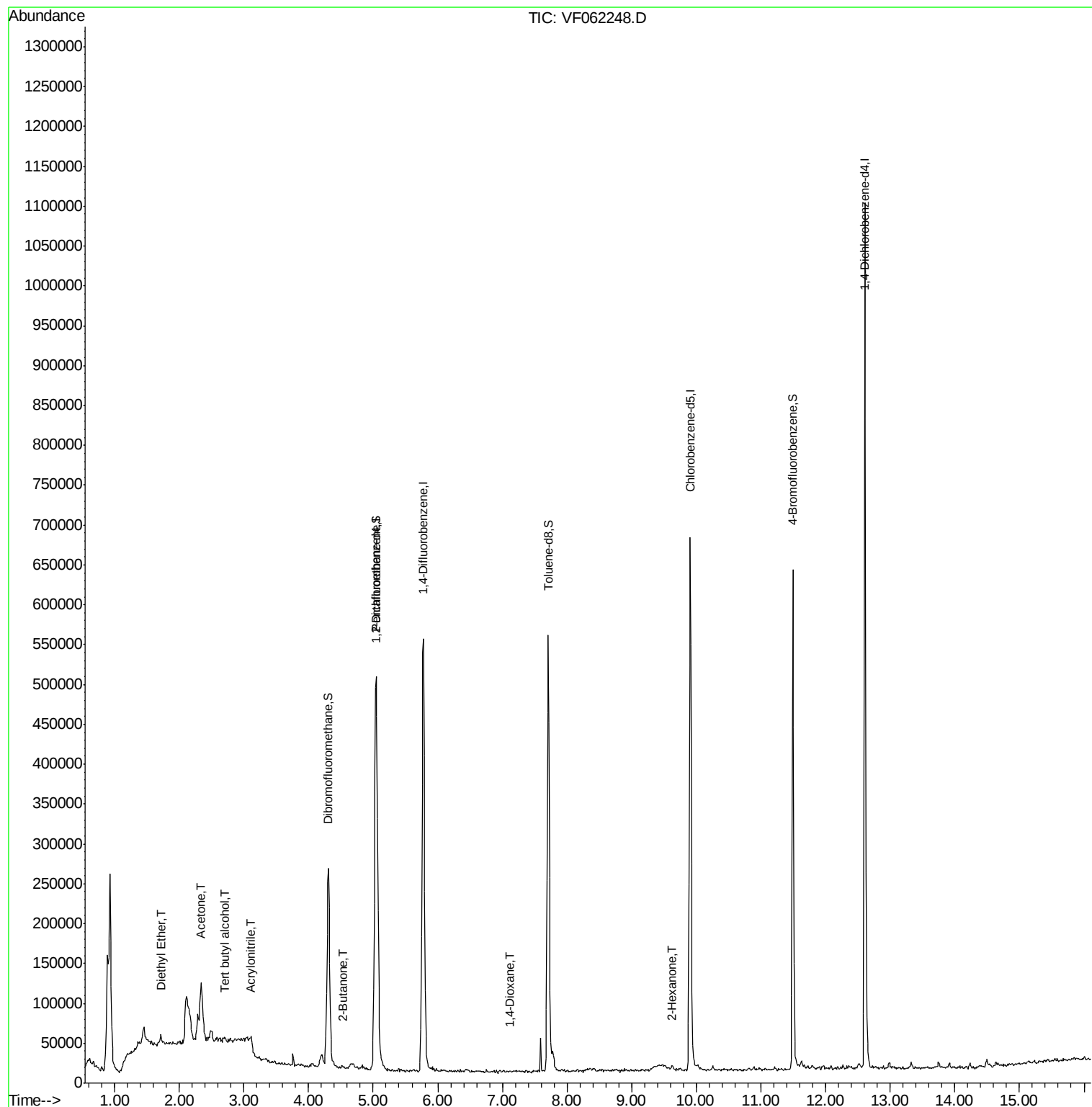
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.72	74	4195	2.579	ug/l	92
11) Tert butyl alcohol	2.70	59	2228	7.667	ug/l #	25
13) Acrolein	2.13	56	3259	Below Cal	#	1
15) Acrylonitrile	3.10	53	3107	3.511	ug/l #	31
16) Acetone	2.35	43	64912	64.964	ug/l	94
18) Methyl Acetate	2.48	43	8429	Below Cal	#	59
20) Methylene Chloride	2.34	84	29629	Below Cal		94
25) 2-Butanone	4.52	43	4047	2.026	ug/l	96
49) 1,4-Dioxane	7.11	88	85	2.823	ug/l #	17
59) 2-Hexanone	9.62	43	4901	2.780	ug/l	91
74) N-amyl acetate	11.42	43	1768	Below Cal	#	57
89) n-Butylbenzene	12.90	91	3058	Below Cal		75

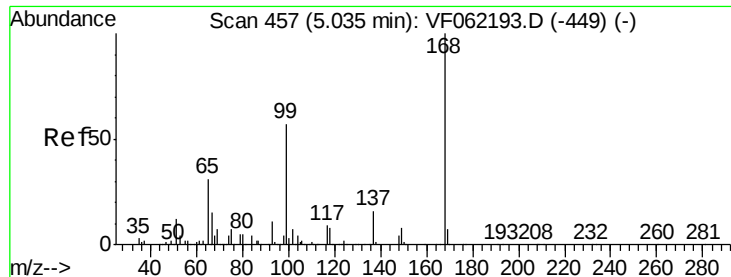
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VF062248.D

Acq: 22 Apr 2019 16:48

Instrument :

MSVOA_F

ClientSampleId :

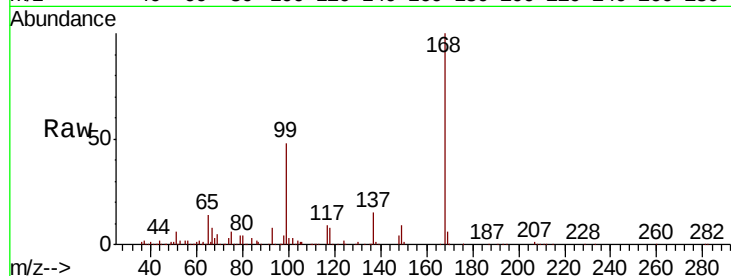
TP-TRACK-74-75RE

Tot Ion:168 Resp: 455894

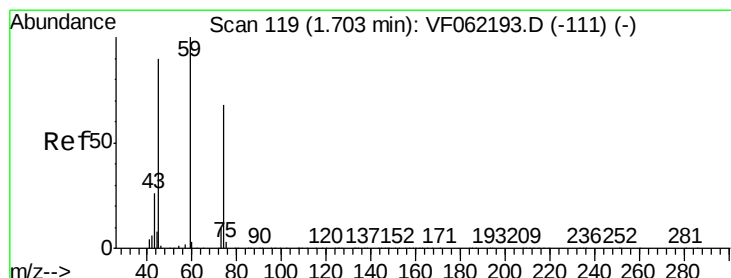
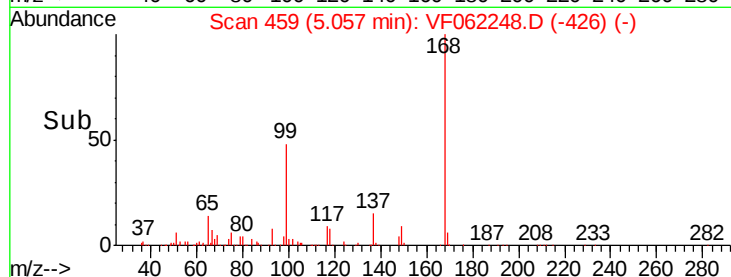
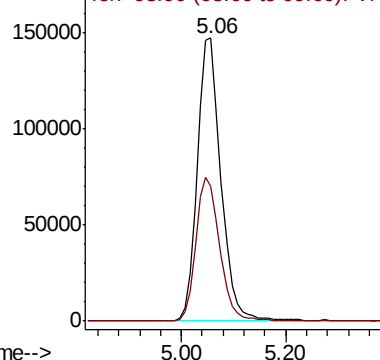
Ion Ratio Lower Upper

168 100

99 47.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VF0



#8

Diethyl Ether

Concen: 2.579 ug/l

RT: 1.72 min Scan# 120

Delta R.T. 0.01 min

Lab File: VF062248.D

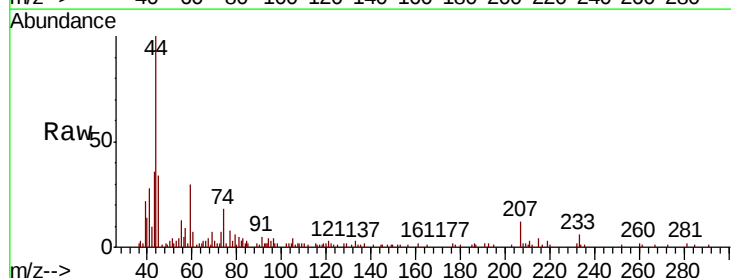
Acq: 22 Apr 2019 16:48

Tgt Ion: 74 Resp: 4195

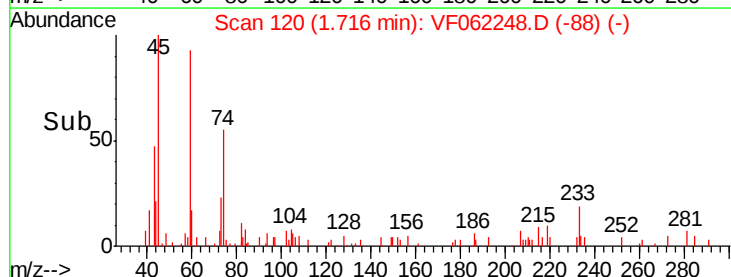
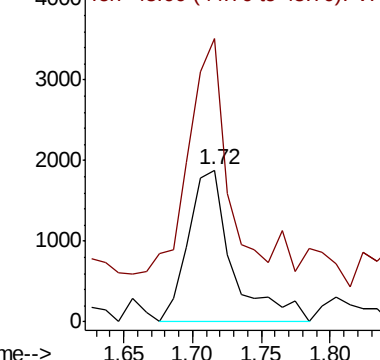
Ion Ratio Lower Upper

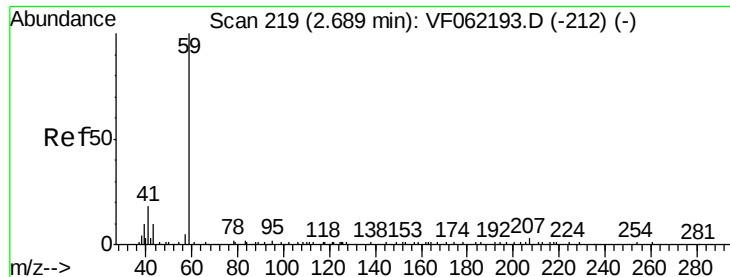
74 100

45 130.0 70.0 210.2



Abundance Ion 74.00 (73.70 to 74.70): VF0



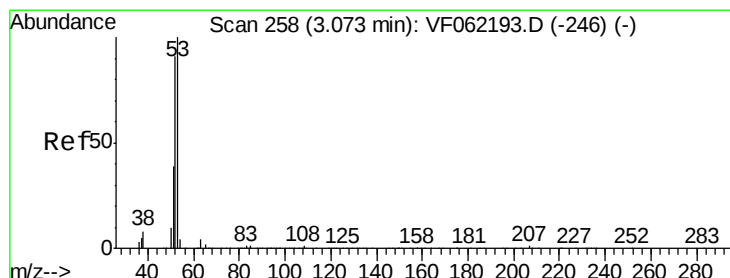
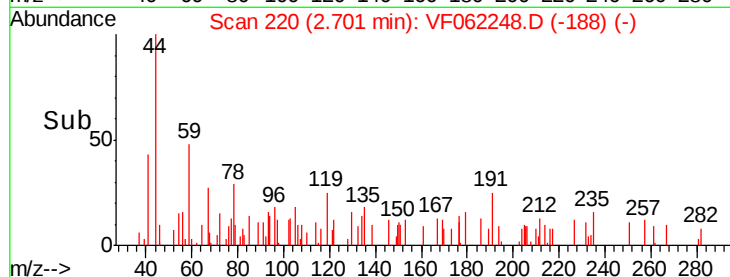
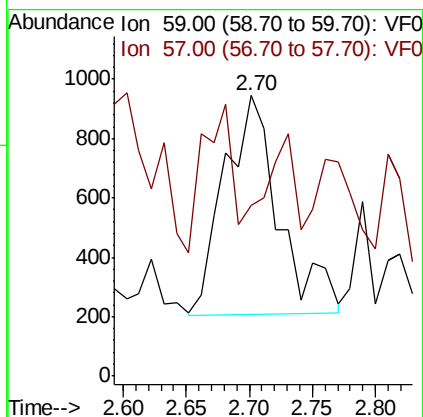
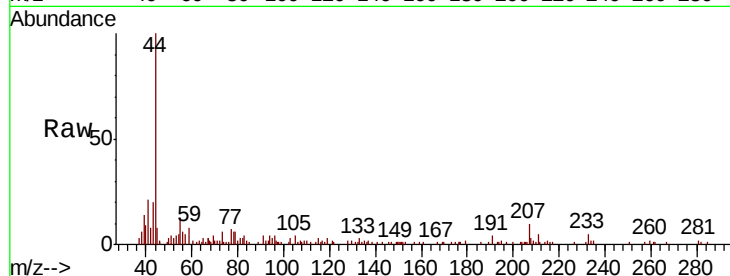


#11

Tert butyl alcohol
Concen: 7.667 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.01 min
Lab File: VF062248.D
Acq: 22 Apr 2019 16:48

Instrument :
MSVOA_F
ClientSampleId :
TP-TRACK-74-75RE

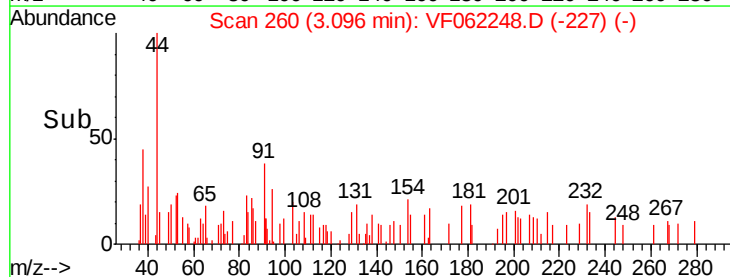
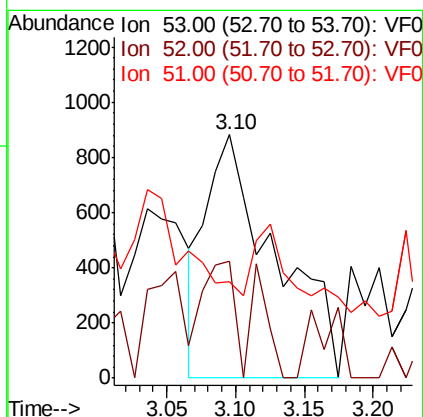
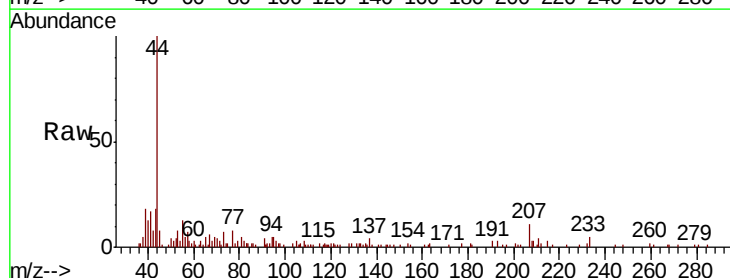
Tot Ion: 59 Resp: 2228
Ion Ratio Lower Upper
59 100
57 40.6 9.3 13.9#

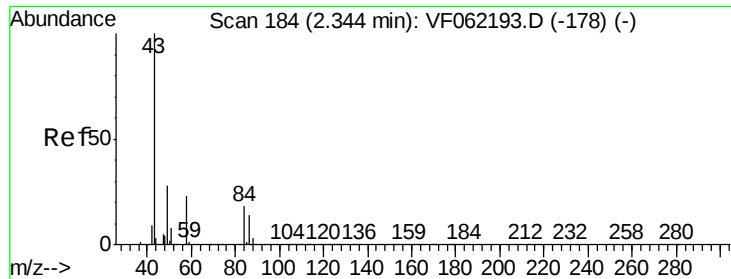


#15

Acrylonitrile
Concen: 3.511 ug/l
RT: 3.10 min Scan# 260
Delta R.T. 0.02 min
Lab File: VF062248.D
Acq: 22 Apr 2019 16:48

Tgt Ion: 53 Resp: 3107
Ion Ratio Lower Upper
53 100
52 21.9 69.5 104.3#
51 0.0 31.8 47.8#

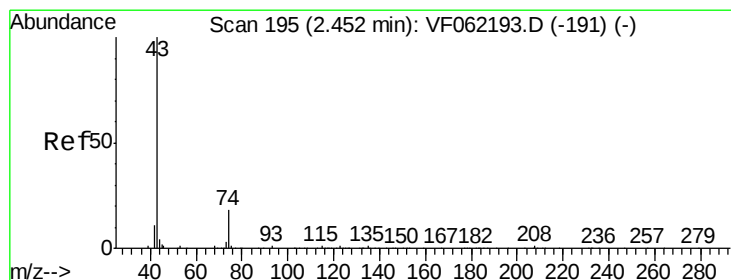
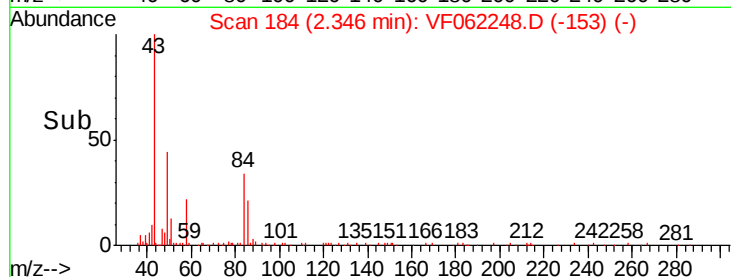
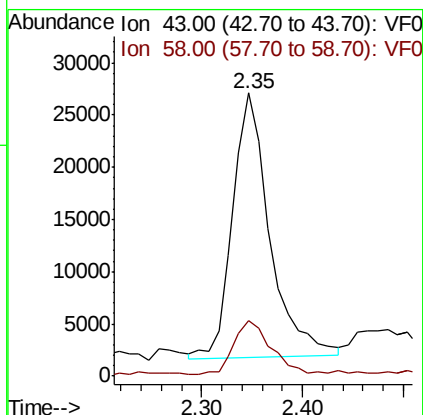
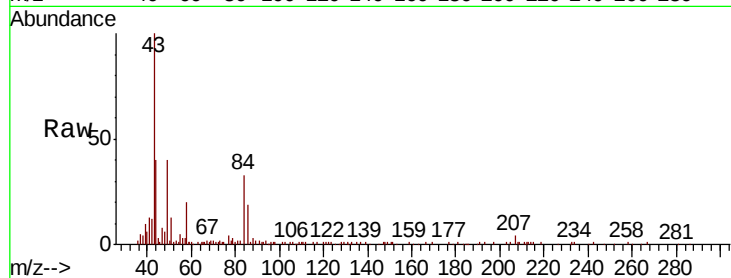




#16
Acetone
Concen: 64.964 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.00 min
Lab File: VF062248.D
Acq: 22 Apr 2019 16:48

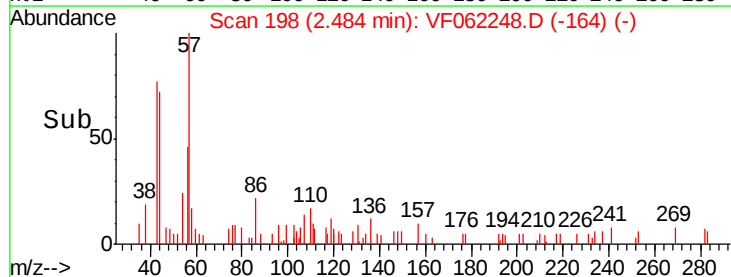
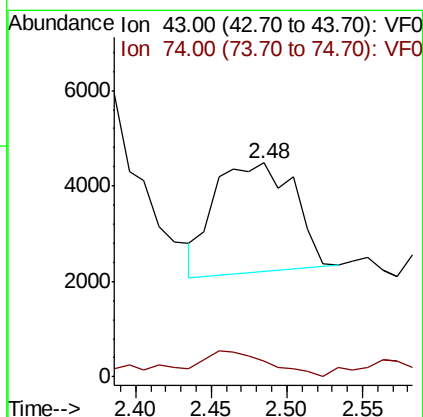
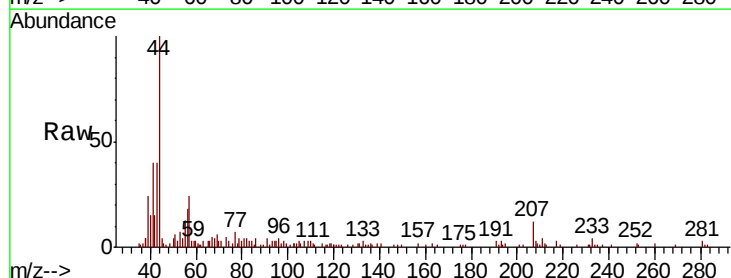
Instrument :
MSVOA_F
ClientSampleId :
TP-TRACK-74-75RE

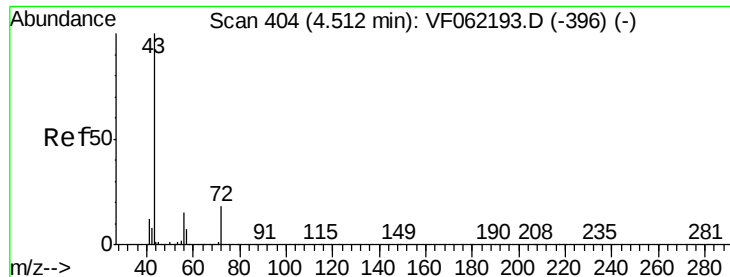
Tot Ion: 43 Resp: 64912
Ion Ratio Lower Upper
43 100
58 20.6 18.8 28.2



#18
Methyl Acetate
Concen: Below Cal
RT: 2.48 min Scan# 198
Delta R.T. 0.03 min
Lab File: VF062248.D
Acq: 22 Apr 2019 16:48

Tgt Ion: 43 Resp: 8429
Ion Ratio Lower Upper
43 100
74 0.0 14.5 21.7#

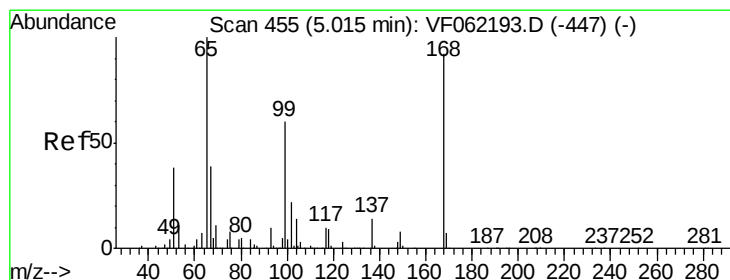
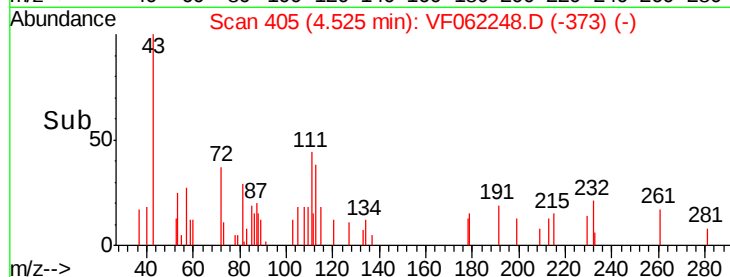
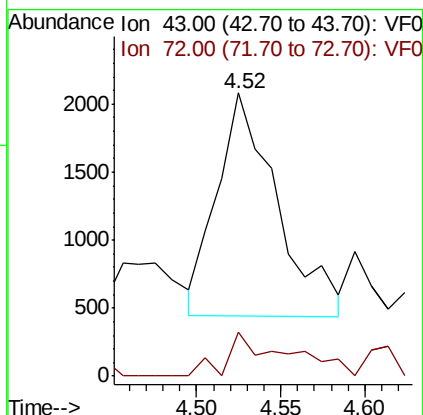
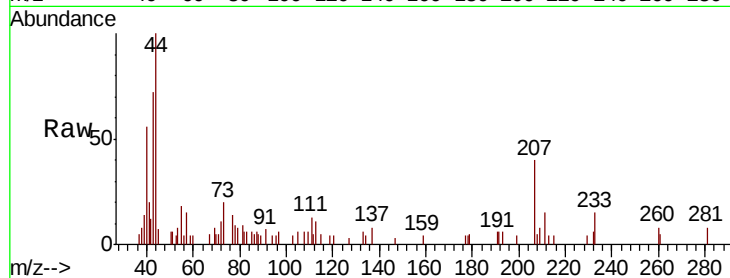




#25
2-Butanone
Concen: 2.026 ug/l
RT: 4.52 min Scan# 405
Delta R.T. 0.01 min
Lab File: VF062248.D
Acq: 22 Apr 2019 16:48

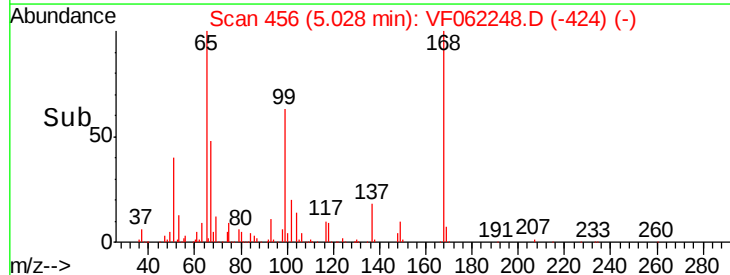
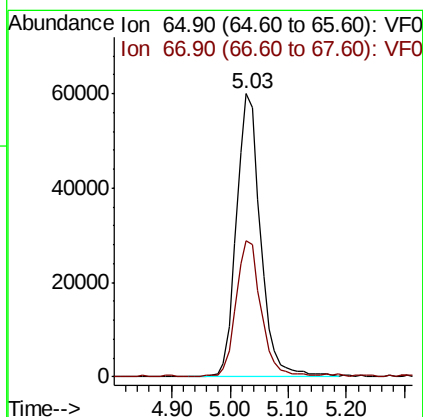
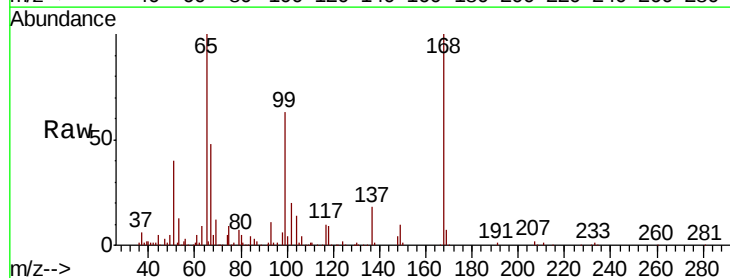
Instrument :
MSVOA_F
ClientSampleId :
TP-TRACK-74-75RE

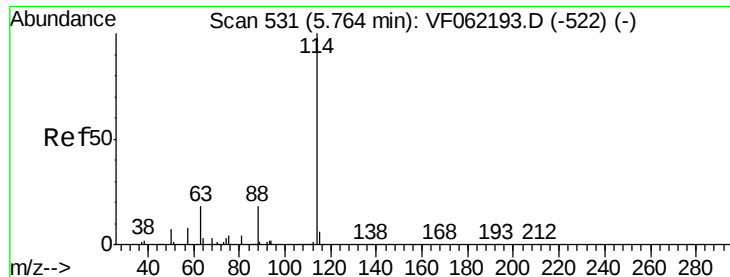
Tot Ion: 43 Resp: 4047
Ion Ratio Lower Upper
43 100
72 22.1 16.1 24.1



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 5.03 min Scan# 456
Delta R.T. 0.01 min
Lab File: VF062248.D
Acq: 22 Apr 2019 16:48

Tgt Ion: 65 Resp: 173399
Ion Ratio Lower Upper
65 100
67 48.9 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. 0.01 min

Lab File: VF062248.D

Acq: 22 Apr 2019 16:48

Instrument :

MSVOA_F

ClientSampleId :

TP-TRACK-74-75RE

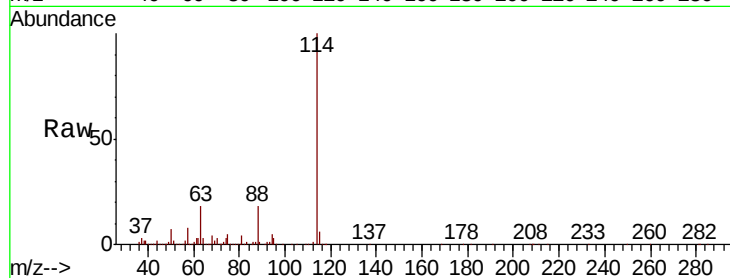
Tot Ion:114 Resp: 671476

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.6

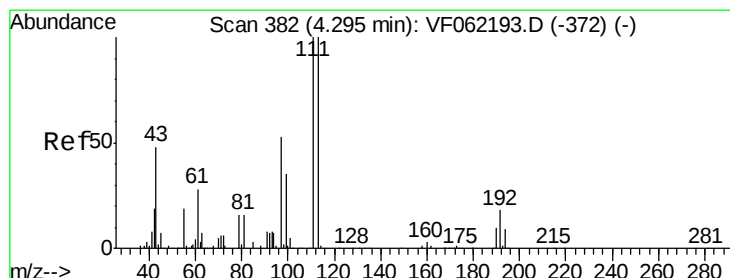
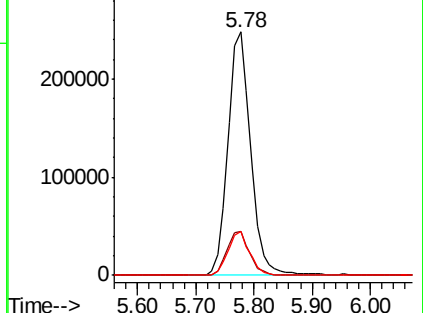
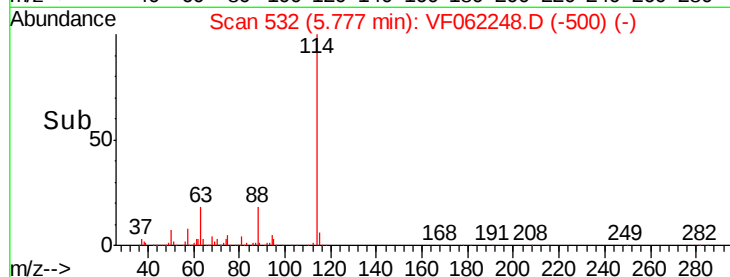
88 17.8 0.0 35.8



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



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF062248.D

Acq: 22 Apr 2019 16:48

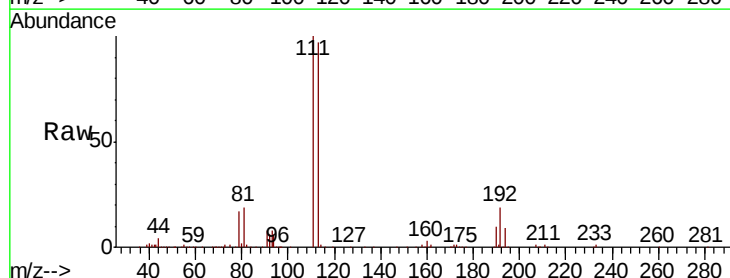
Tgt Ion:113 Resp: 242416

Ion Ratio Lower Upper

113 100

111 100.8 81.1 121.7

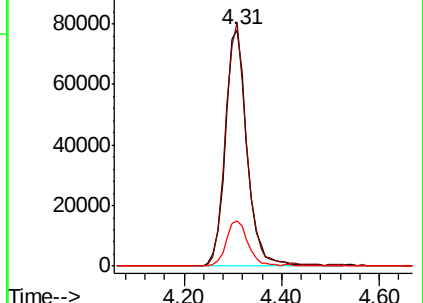
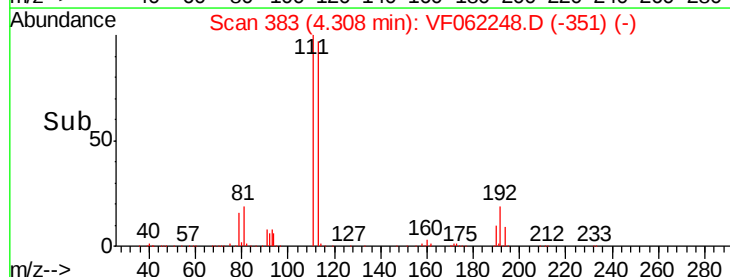
192 19.3 14.7 22.1

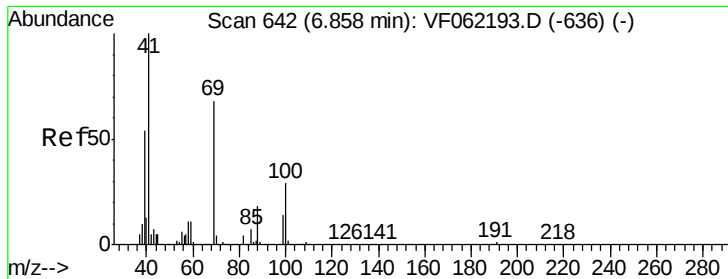


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

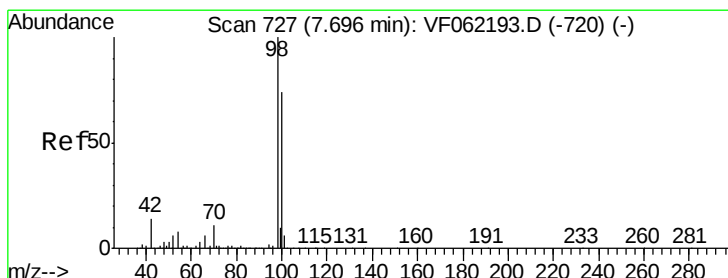
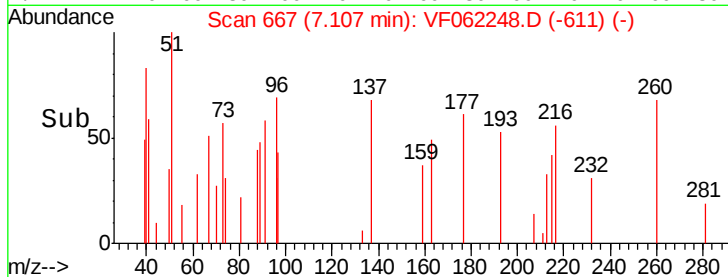
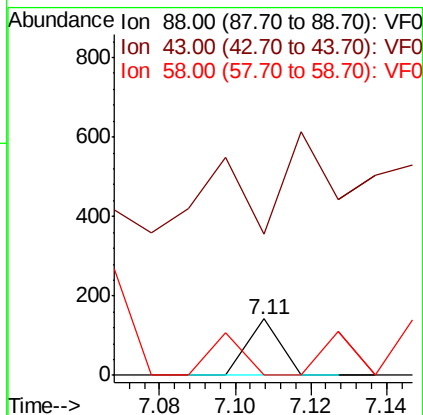
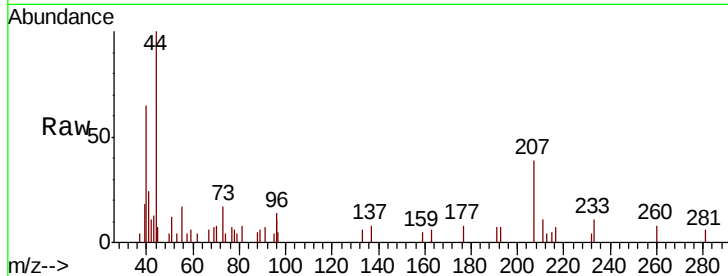




#49
1,4-Dioxane
Concen: 2.823 ug/l
RT: 7.11 min Scan# 667
Delta R.T. 0.25 min
Lab File: VF062248.D
Acq: 22 Apr 2019 16:48

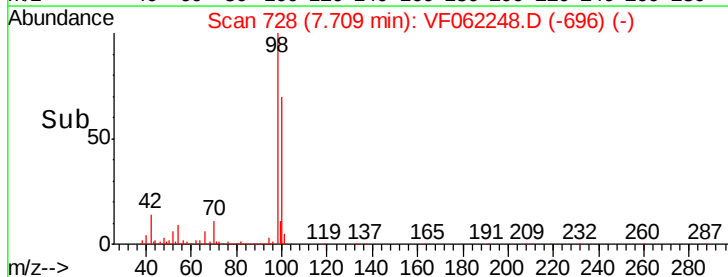
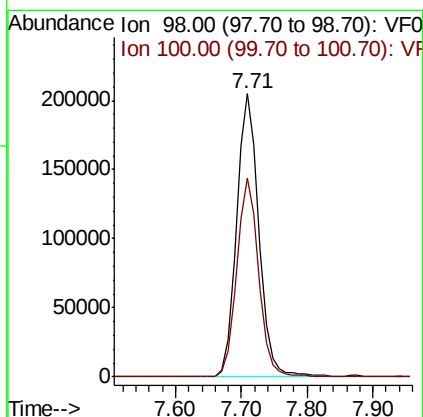
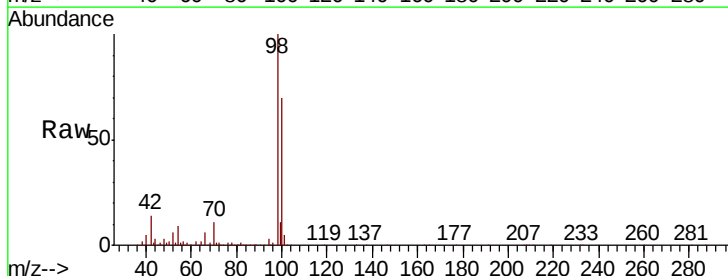
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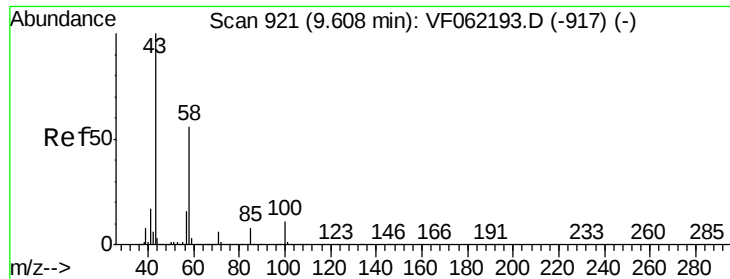
Tot Ion: 88 Resp: 85
Ion Ratio Lower Upper
88 100
43 180.0 36.9 55.3#
58 75.3 56.8 85.2



#50
Toluene-d8
Concen: 2.823 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.01 min
Lab File: VF062248.D
Acq: 22 Apr 2019 16:48

Tgt Ion: 98 Resp: 485805
Ion Ratio Lower Upper
98 100
100 69.1 56.2 84.2

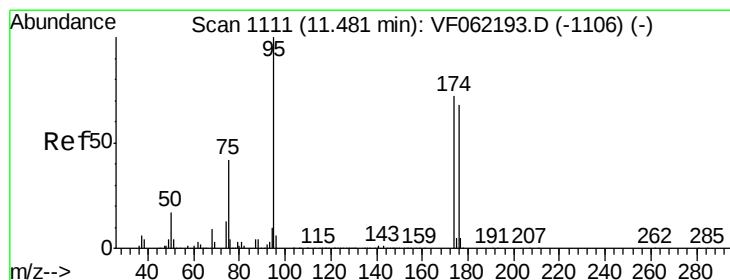
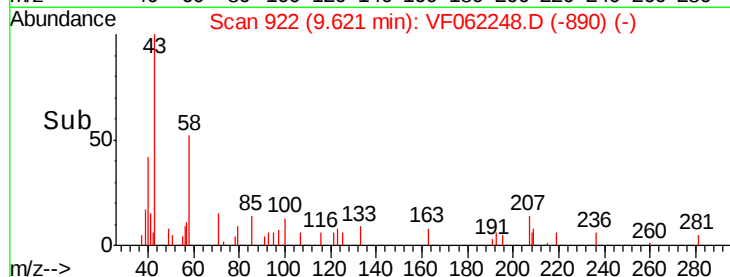
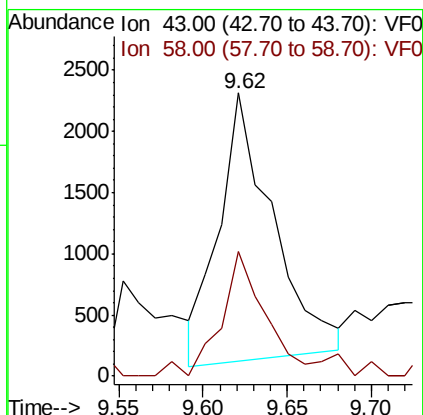
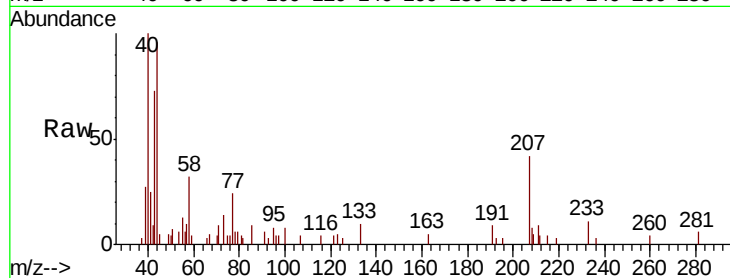




#59
2-Hexanone
Concen: 2.780 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.01 min
Lab File: VF062248.D
Acq: 22 Apr 2019 16:48

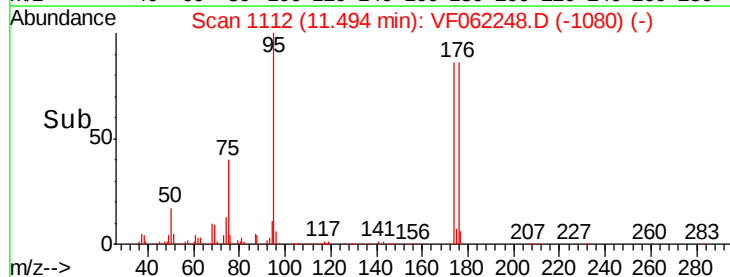
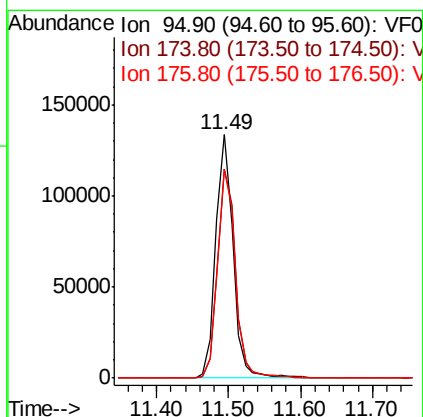
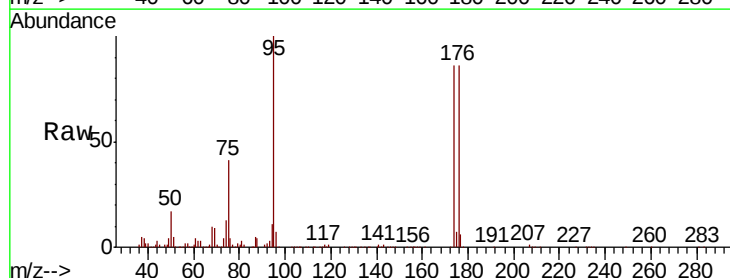
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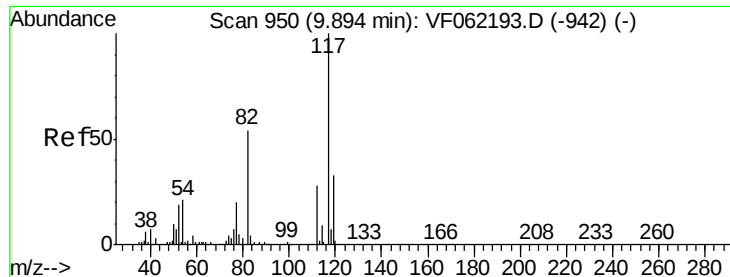
Tot Ion: 43 Resp: 4901
Ion Ratio Lower Upper
43 100
58 43.3 24.6 74.0



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 11.49 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VF062248.D
Acq: 22 Apr 2019 16:48

Tgt Ion: 95 Resp: 220162
Ion Ratio Lower Upper
95 100
174 89.0 0.0 159.4
176 87.9 0.0 155.4

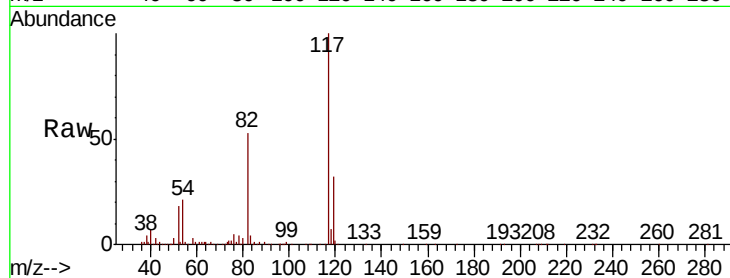




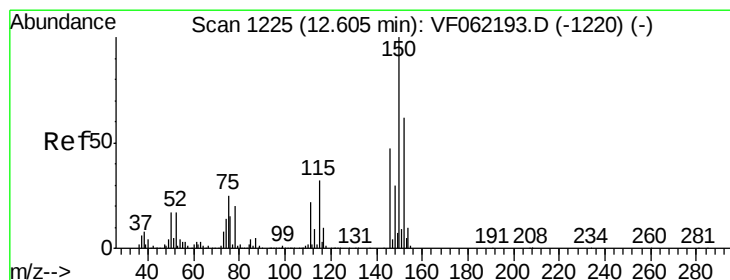
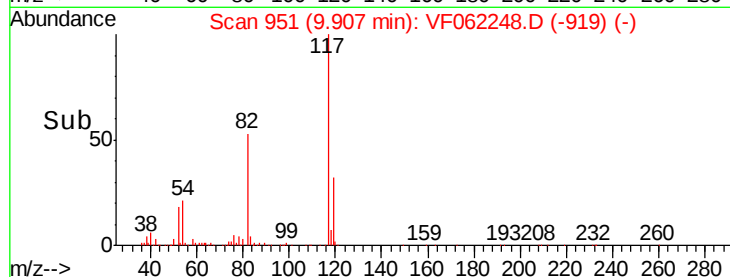
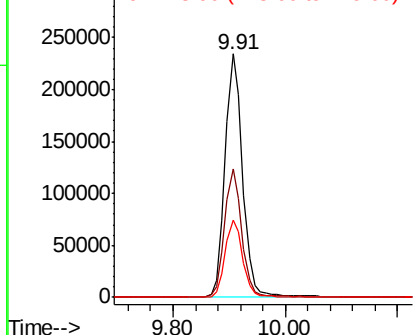
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. 0.01 min
Lab File: VF062248.D
Acq: 22 Apr 2019 16:48

Instrument :
MSVOA_F
ClientSampleId :
TP-TRACK-74-75RE

Tot Ion:117 Resp: 512911
Ion Ratio Lower Upper
117 100
82 52.5 43.2 64.8
119 31.8 26.2 39.4

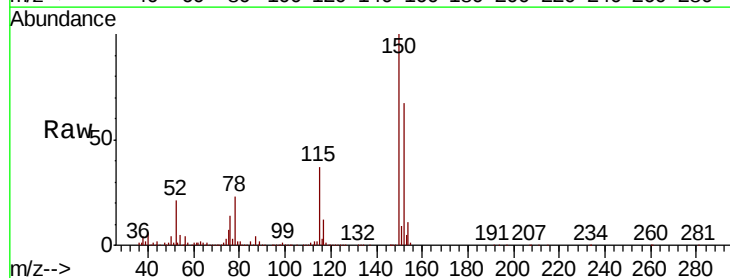


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

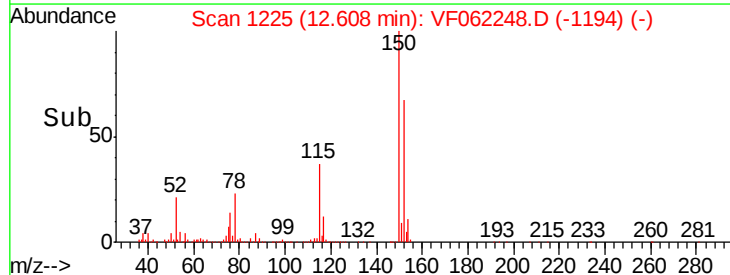
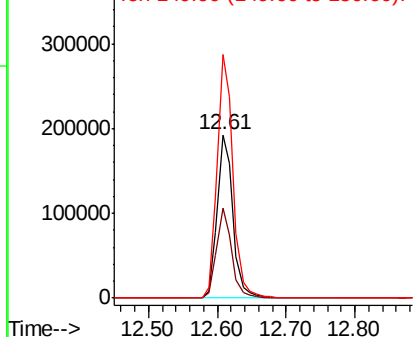


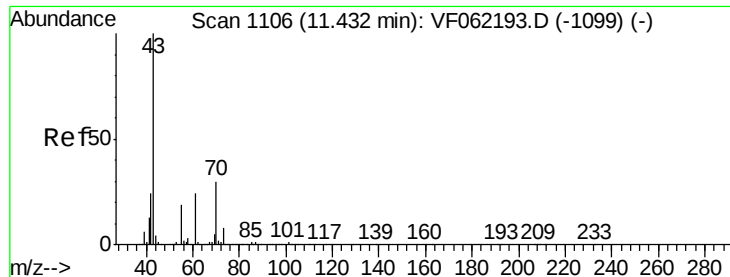
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VF062248.D
Acq: 22 Apr 2019 16:48

Tgt Ion:152 Resp: 303897
Ion Ratio Lower Upper
152 100
115 53.3 27.8 83.3
150 150.3 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-amvl acetate

Concen: Below Cal

RT: 11.42 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VF062248.D

Acq: 22 Apr 2019 16:48

Instrument :

MSVOA_F

ClientSampleId :

TP-TRACK-74-75RE

Tot Ion: 43 Resp: 1768

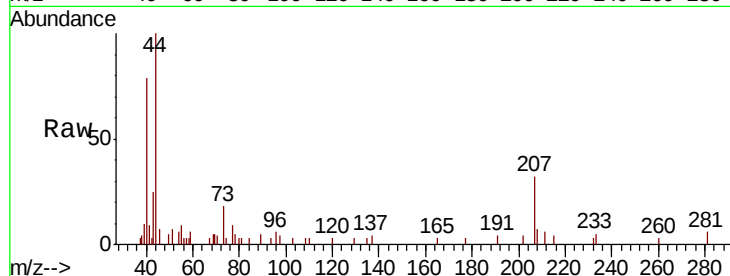
Ion Ratio Lower Upper

43 100

70 12.3 27.0 40.4#

55 0.0 15.7 23.5#

61 0.0 20.8 31.2#

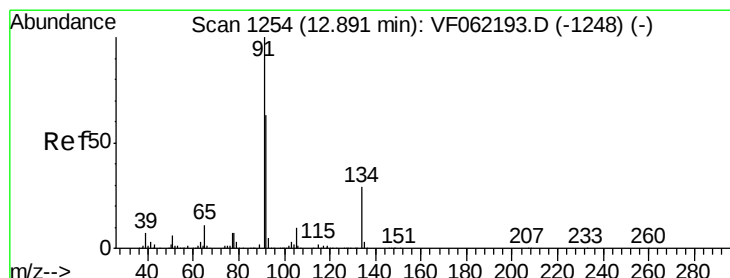
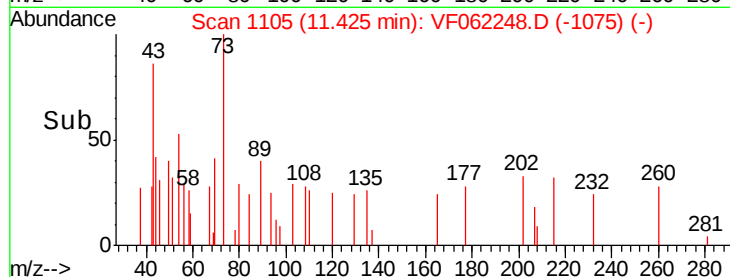
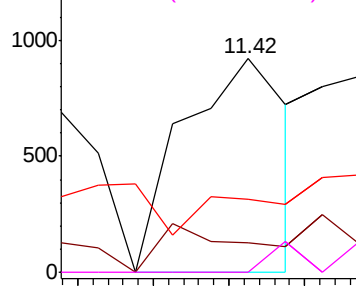


Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 12.90 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF062248.D

Acq: 22 Apr 2019 16:48

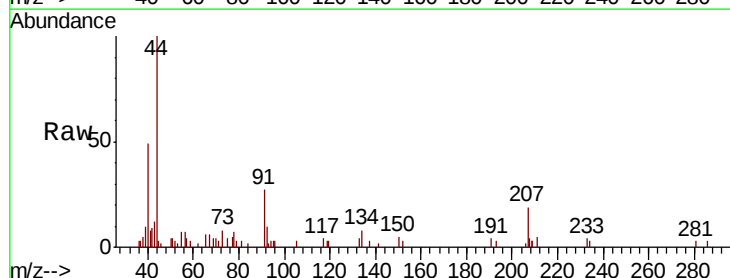
Tgt Ion: 91 Resp: 3058

Ion Ratio Lower Upper

91 100

92 35.9 31.2 93.6

134 24.8 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

