

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042219\
 Data File : VF062246.D
 Acq On : 22 Apr 2019 15:56
 Operator : FY/SY
 Sample : K2475-01RE
 Misc : 6.22g/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-TRACK-8-9RE

Quant Time: Apr 23 01:07:09 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	5.14	168	82	50.00	ug/l	0.11
34) 1,4-Difluorobenzene	0.00	114	0	0.00	ug/l	-5.76
63) Chlorobenzene-d5	9.95	117	123	50.00	ug/l	0.06
72) 1,4-Dichlorobenzene-d4	12.54	152	71	50.00	ug/l	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.12	65	203	269.98	ug/l	0.11
Spiked Amount	50.000		Recovery	=	539.96%	
35) Dibromofluoromethane	4.29	113	66	0.00	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	7.70	98	99	0.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	11.48	95	107	0.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.02	85	150	120.371	ug/l #	42
3) Chloromethane	1.14	50	95	73.757	ug/l #	41
4) Vinyl Chloride	1.26	62	75	67.776	ug/l #	42
5) Bromomethane	1.42	94	137	213.118	ug/l	97
6) Chloroethane	1.49	64	83	179.419	ug/l #	41
7) Trichlorofluoromethane	1.57	101	60	42.680	ug/l #	20
8) Diethyl Ether	1.77	74	65	222.156	ug/l #	1
10) Methyl Iodide	1.97	142	79	46.304	ug/l #	42
11) Tert butyl alcohol	2.75	59	59	1128.856	ug/l #	1
12) 1,1-Dichloroethene	1.93	96	91	99.623	ug/l #	1
13) Acrolein	2.09	56	491	5355.326	ug/l #	75
14) Allyl chloride	2.25	41	830	791.761	ug/l #	54
15) Acrylonitrile	3.13	53	122	766.390	ug/l #	81
16) Acetone	2.41	43	1408	7834.269	ug/l	95
17) Carbon Disulfide	1.86	76	59	23.244	ug/l #	71
18) Methyl Acetate	2.51	43	1715	5008.549	ug/l #	83
19) Methyl tert-butyl Ether	2.61	73	704	436.516	ug/l #	58
20) Methylene Chloride	2.40	84	70	83.498	ug/l #	1
21) trans-1,2-Dichloroethene	2.44	96	604	668.643	ug/l #	1
22) Diisopropyl ether	3.01	45	381	142.082	ug/l #	30
23) Vinyl Acetate	3.38	43	1063	832.019	ug/l #	79
24) 1,1-Dichloroethane	3.18	63	88	59.991	ug/l #	88
25) 2-Butanone	4.60	43	938	2610.167	ug/l #	56
26) 2,2-Dichloropropane	3.90	77	720	972.193	ug/l	99
27) cis-1,2-Dichloroethene	3.68	96	363	310.313	ug/l	29
28) Bromochloromethane	3.85	49	66	93.925	ug/l #	8
29) Tetrahydrofuran	4.37	42	397	2440.663	ug/l #	53
30) Chloroform	4.14	83	96	53.251	ug/l #	18
31) Cyclohexane	3.93	56	108	61.436	ug/l #	17
32) 1,1,1-Trichloroethane	4.36	97	67	50.773	ug/l #	7
65) Chlorobenzene	9.70	112	66	25.165	ug/l #	42
66) 1,1,1,2-Tetrachloroethane	10.15	131	76	61.879	ug/l #	1
67) Ethyl Benzene	10.01	91	87	18.242	ug/l #	44
70) Styrene	10.86	104	76	27.629	ug/l #	31

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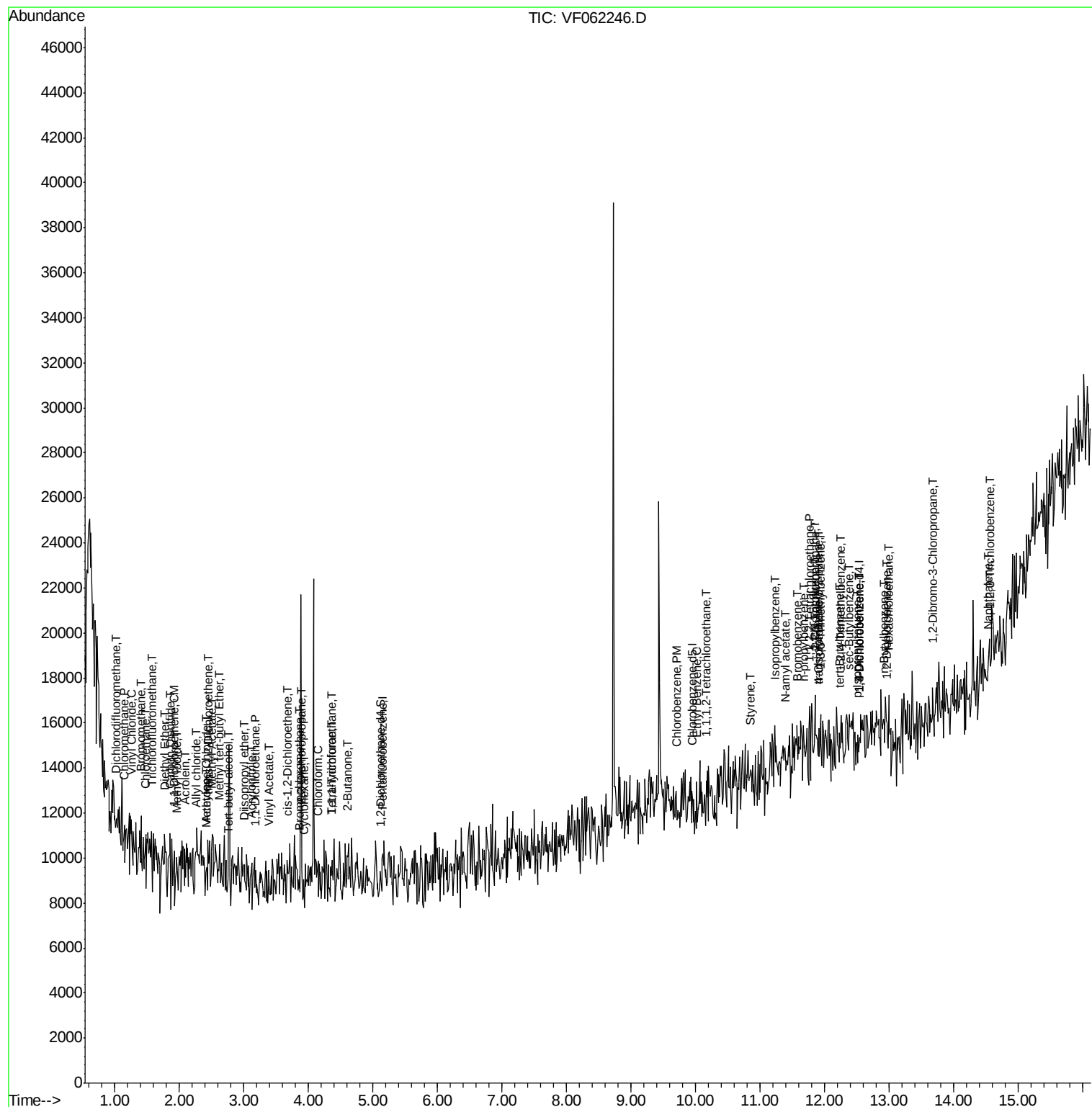
73) Isopropylbenzene	11.22	105	73	11.969	ug/l #	49
74) N-amyI acetate	11.39	43	1511	1089.872	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	11.76	83	359	342.272	ug/l #	95
76) 1,2,3-Trichloropropane	11.84	75	60	83.145	ug/l #	1
77) Bromobenzene	11.56	156	74	56.639	ug/l #	1
78) n-propylbenzene	11.67	91	206	32.018	ug/l #	53
79) 2-Chlorotoluene	11.84	91	407	104.285	ug/l #	74
80) 1,3,5-Trimethylbenzene	11.92	105	256	50.397	ug/l #	26
81) trans-1,4-Dichloro-2-buten	11.91	75	68	184.768	ug/l #	1
82) 4-Chlorotoluene	11.91	91	292	77.418	ug/l #	93
83) tert-Butylbenzene	12.22	119	61	11.612	ug/l #	23
84) 1,2,4-Trimethylbenzene	12.25	105	154	31.329	ug/l #	29
85) sec-Butylbenzene	12.38	105	532	78.008	ug/l #	98
86) p-Isopropyltoluene	12.49	119	167	28.867	ug/l #	1
87) 1,3-Dichlorobenzene	12.54	146	68	28.047	ug/l #	24
88) 1,4-Dichlorobenzene	12.54	146	68	29.078	ug/l #	23
89) n-Butylbenzene	12.91	91	455	100.921	ug/l #	53
90) Hexachloroethane	13.00	117	151	101.646	ug/l #	12
91) 1,2-Dichlorobenzene	12.97	146	66	28.192	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.66	75	60	291.155	ug/l #	1
95) Naphthalene	14.52	128	260	75.915	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.57	180	61	32.439	ug/l #	12

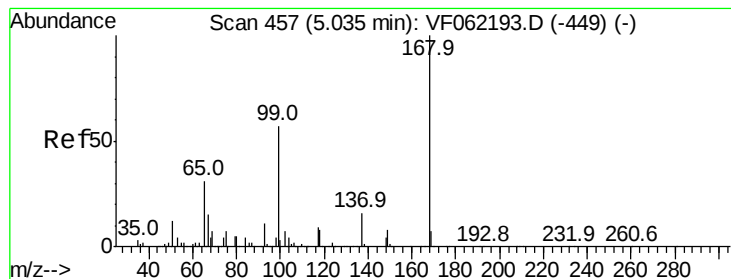
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.14 min Scan# 468

Delta R.T. 0.11 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

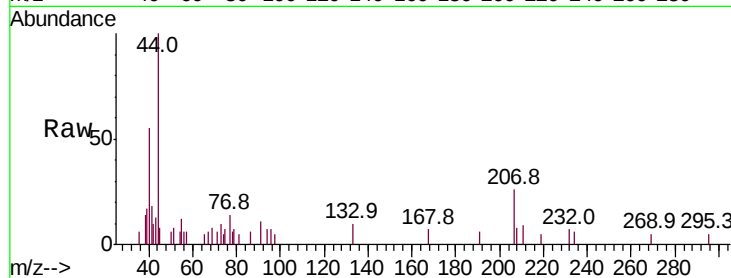
Instrument :
MSVOA_F
ClientSampleId :
TP-TRACK-8-9RE

Tot Ion:168 Resp: 82

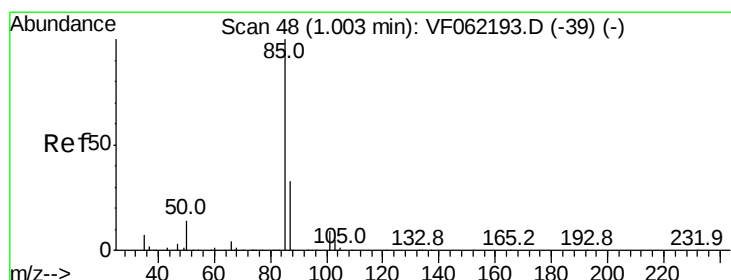
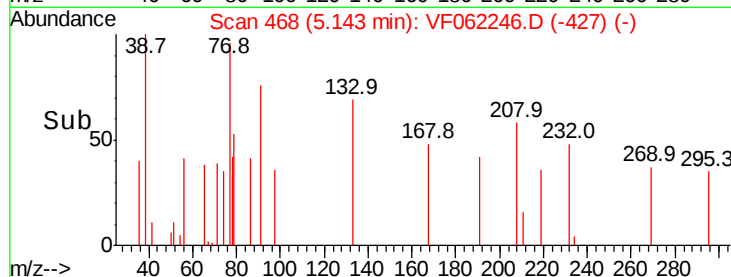
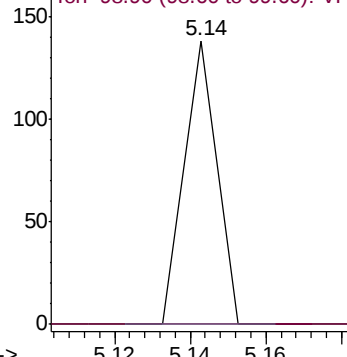
Ion Ratio Lower Upper

168 100

99 0.0 45.5 68.3#



Abundance Ion 167.90 (167.60 to 168.60): VF0



#2

Dichlorodifluoromethane

Concen: 120.371 ug/l

RT: 1.02 min Scan# 50

Delta R.T. 0.02 min

Lab File: VF062246.D

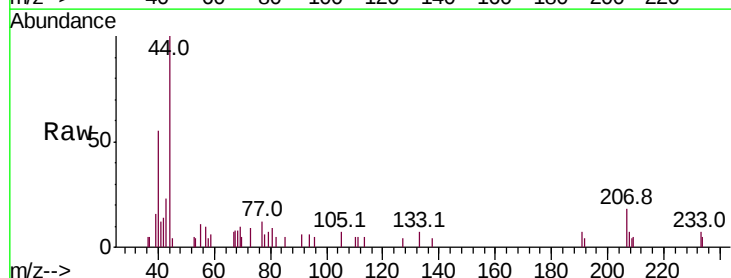
Acq: 22 Apr 2019 15:56

Tgt Ion: 85 Resp: 150

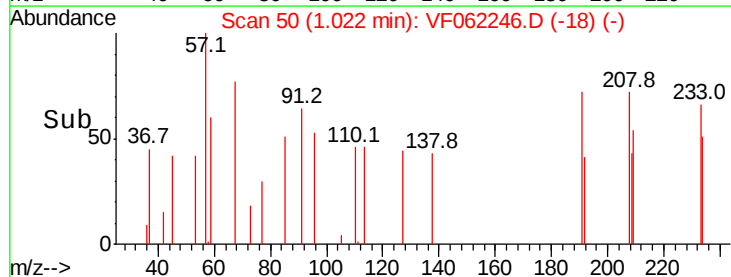
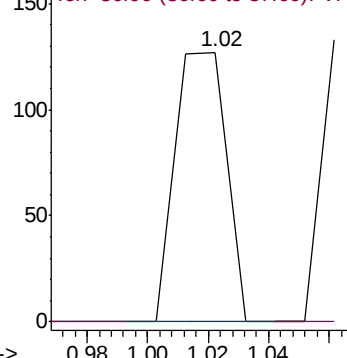
Ion Ratio Lower Upper

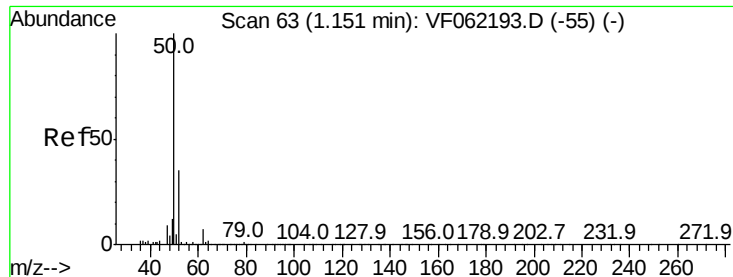
85 100

87 0.0 16.4 49.1#



Abundance Ion 84.90 (84.60 to 85.60): VF0





#3

Chloromethane

Concen: 73.757 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

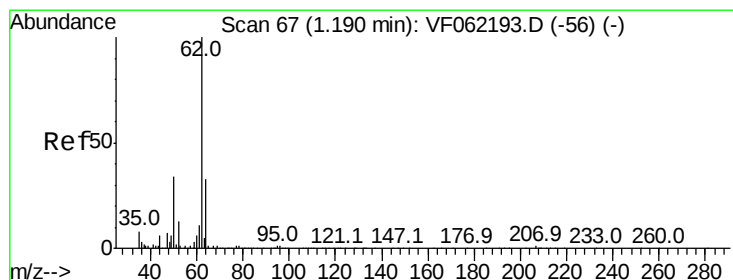
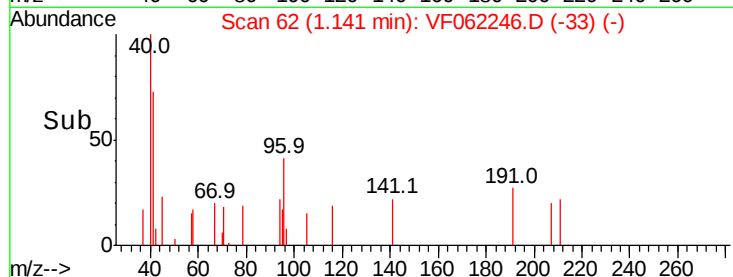
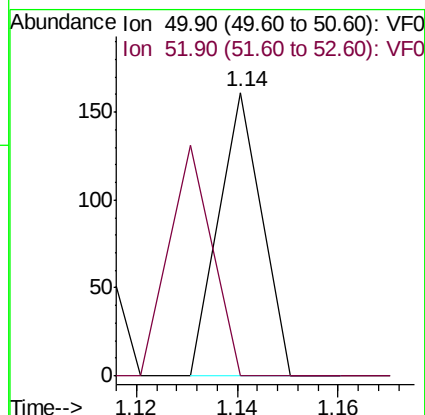
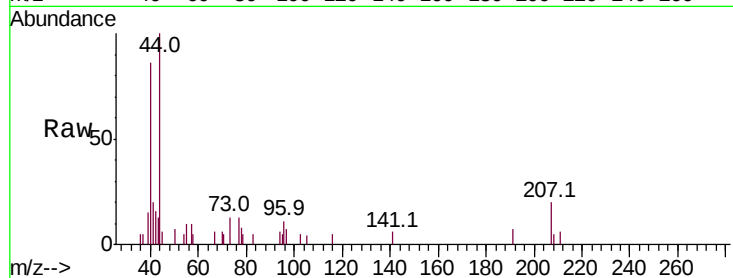
TP-TRACK-8-9RE

Tot Ion: 50 Resp: 95

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.4#



#4

Vinyl Chloride

Concen: 67.776 ug/l

RT: 1.26 min Scan# 74

Delta R.T. 0.07 min

Lab File: VF062246.D

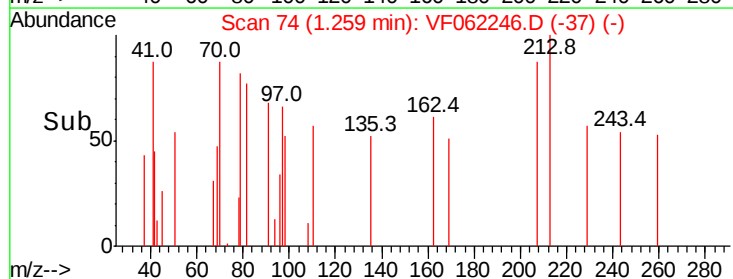
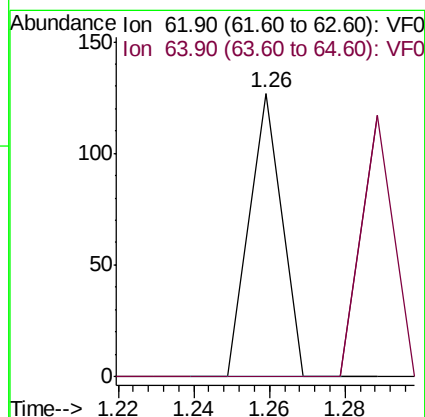
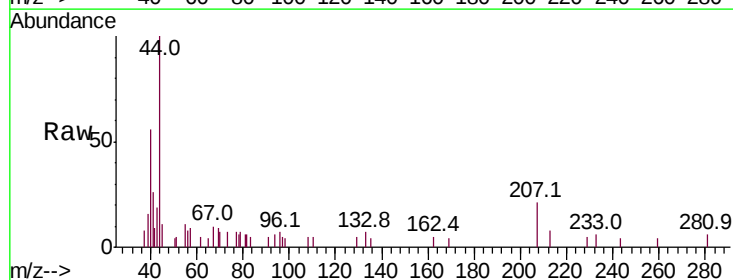
Acq: 22 Apr 2019 15:56

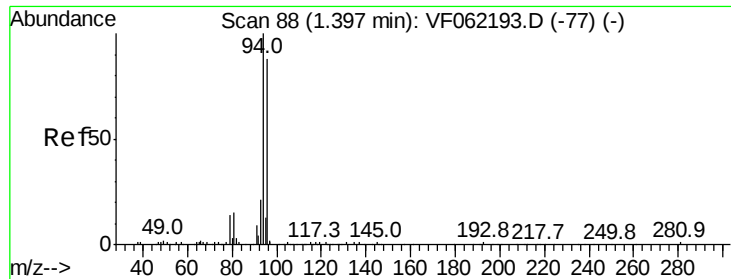
Tgt Ion: 62 Resp: 75

Ion Ratio Lower Upper

62 100

64 0.0 26.2 39.4#





#5

Bromomethane

Concen: 213.118 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.02 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

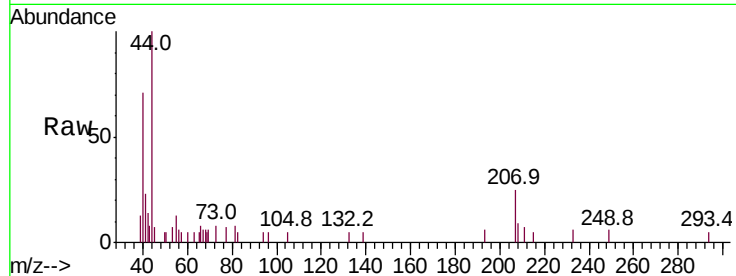
TP-TRACK-8-9RE

Tot Ion: 94 Resp: 137

Ion Ratio Lower Upper

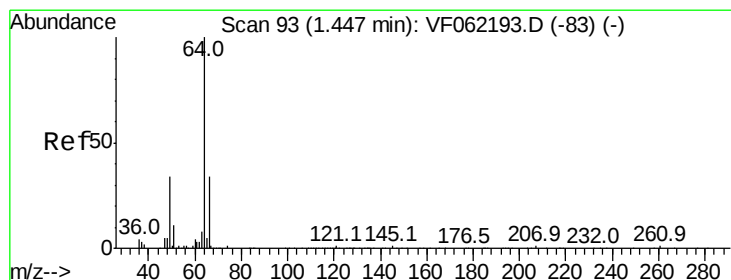
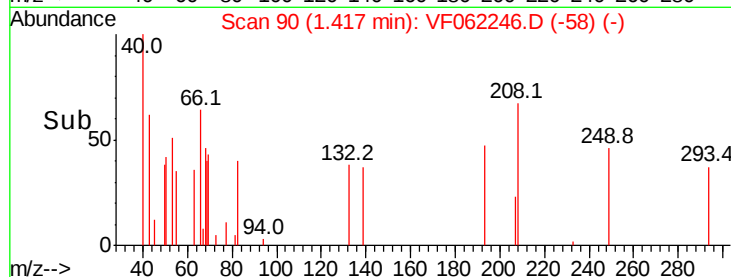
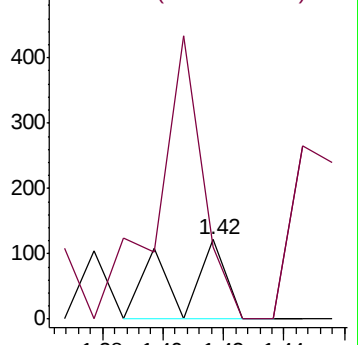
94 100

96 91.0 70.2 105.4



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0



#6

Chloroethane

Concen: 179.419 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.04 min

Lab File: VF062246.D

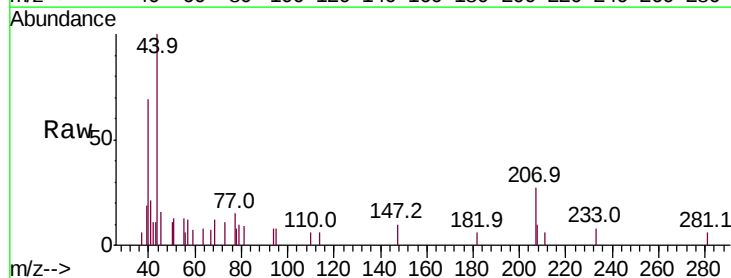
Acq: 22 Apr 2019 15:56

Tgt Ion: 64 Resp: 83

Ion Ratio Lower Upper

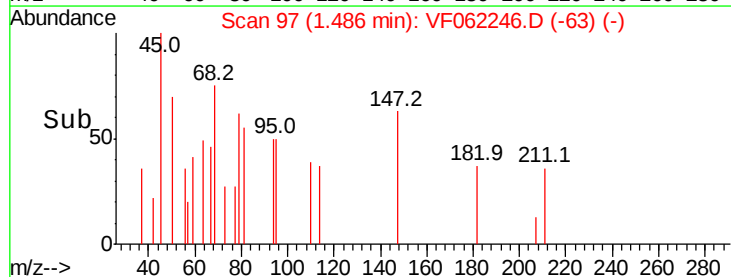
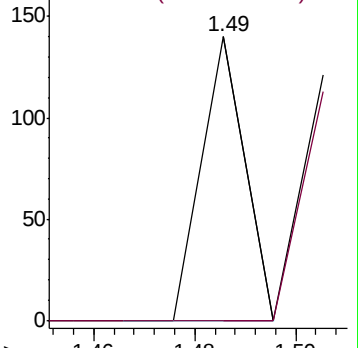
64 100

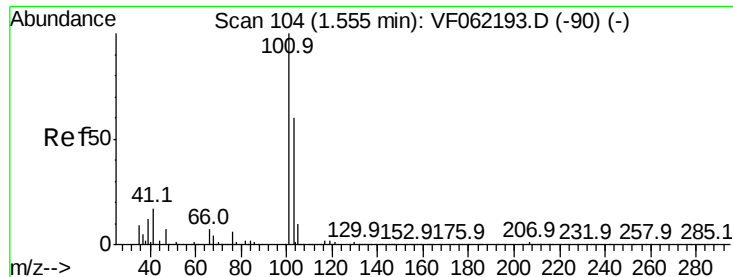
66 0.0 27.0 40.4#



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0



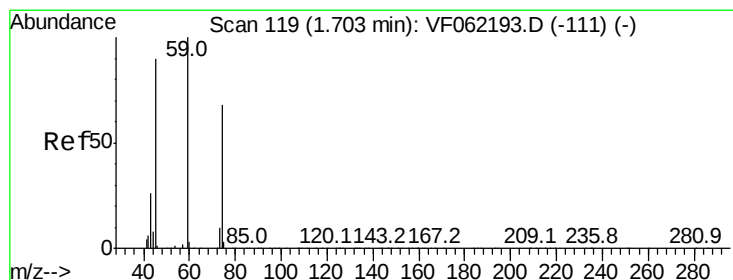
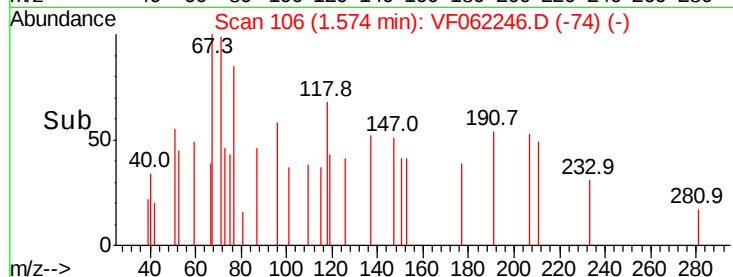
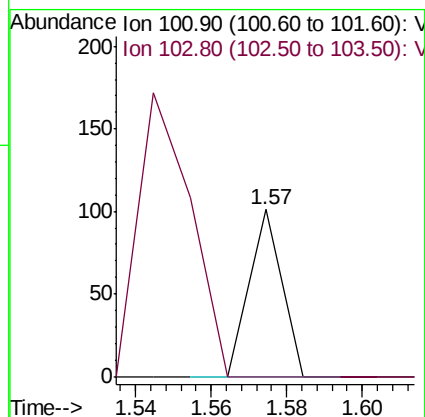
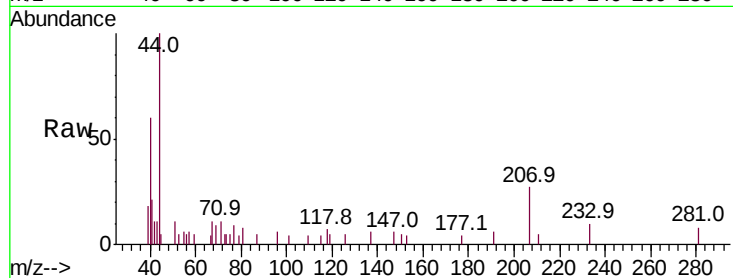


#7

Trichlorofluoromethane
Concen: 42.680 ug/l
RT: 1.57 min Scan# 106
Delta R.T. 0.02 min
Lab File: VF062246.D
Acq: 22 Apr 2019 15:56

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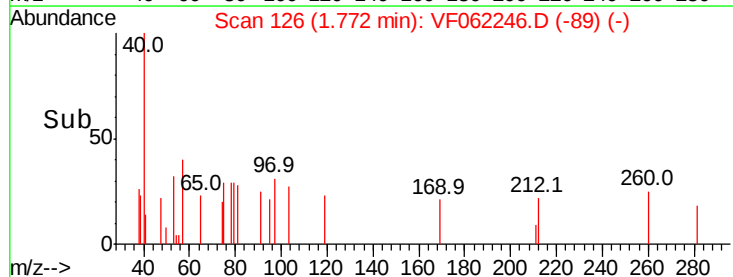
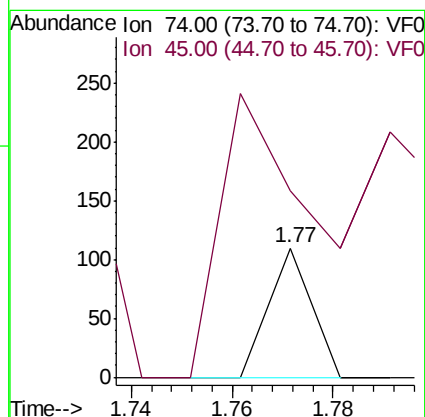
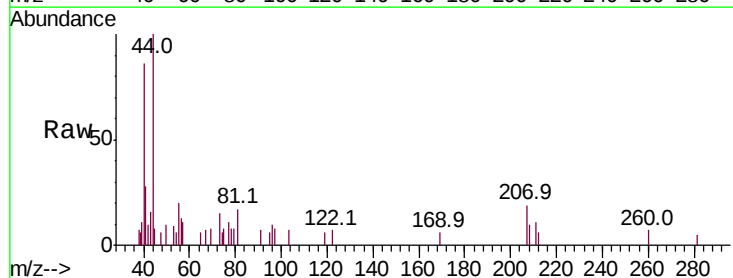
Tot Ion:101 Resp: 60
Ion Ratio Lower Upper
101 100
103 0.0 48.2 72.4#

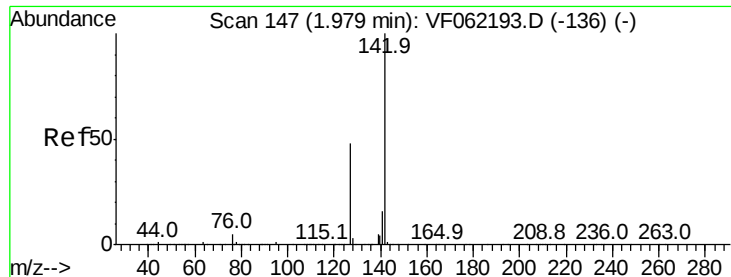


#8

Diethyl Ether
Concen: 222.156 ug/l
RT: 1.77 min Scan# 126
Delta R.T. 0.07 min
Lab File: VF062246.D
Acq: 22 Apr 2019 15:56

Tgt Ion: 74 Resp: 65
Ion Ratio Lower Upper
74 100
45 463.1 70.0 210.2#

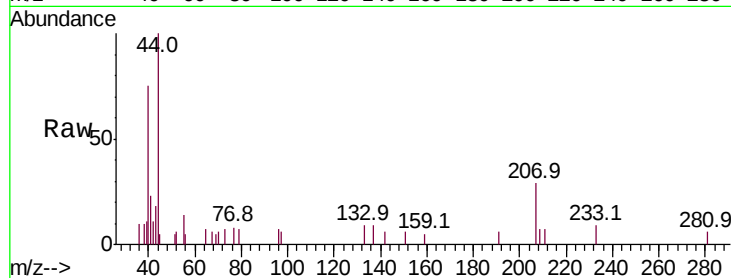




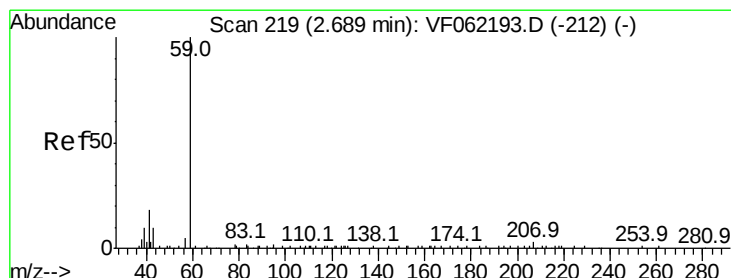
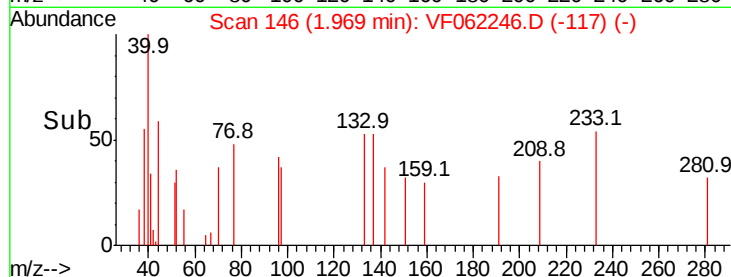
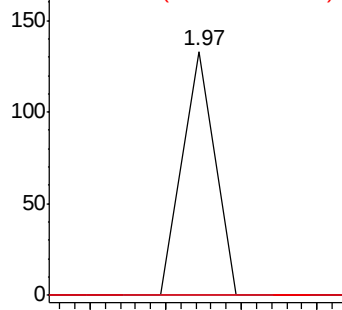
#10
Methyl Iodide
Concen: 46.304 ug/l
RT: 1.97 min Scan# 146
Delta R.T. -0.01 min
Lab File: VF062246.D
Acq: 22 Apr 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
TP-TRACK-8-9RE

Tot Ion:142 Resp: 79
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.4#
141 0.0 12.7 19.1#

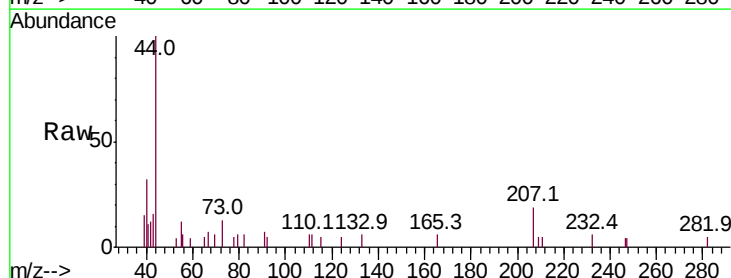


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

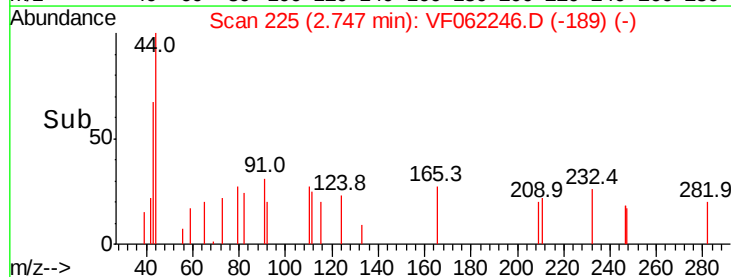
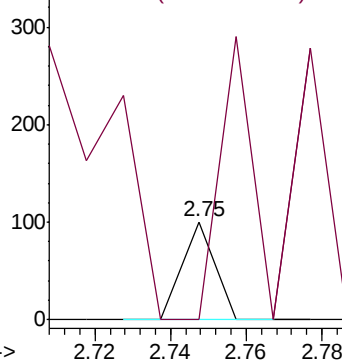


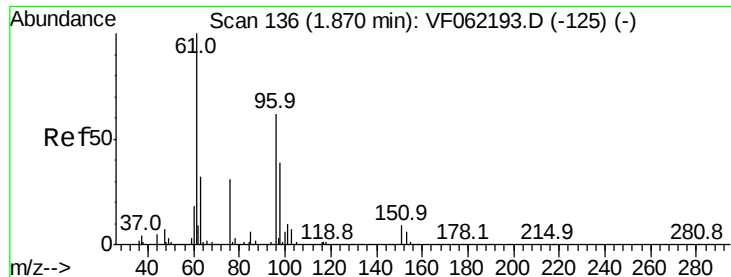
#11
Tert butyl alcohol
Concen: 1128.856 ug/l
RT: 2.75 min Scan# 225
Delta R.T. 0.06 min
Lab File: VF062246.D
Acq: 22 Apr 2019 15:56

Tgt Ion: 59 Resp: 59
Ion Ratio Lower Upper
59 100
57 291.5 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0
Ion 57.00 (56.70 to 57.70): VF0





#12

1,1-Dichloroethene

Concen: 99.623 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.06 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

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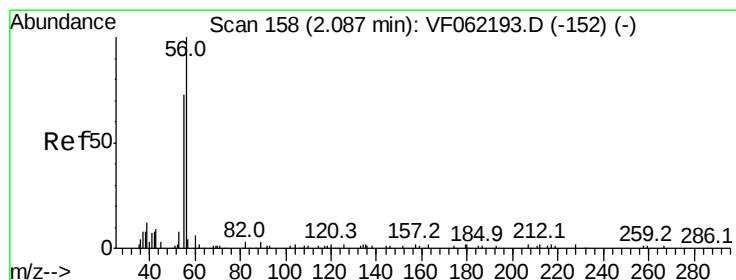
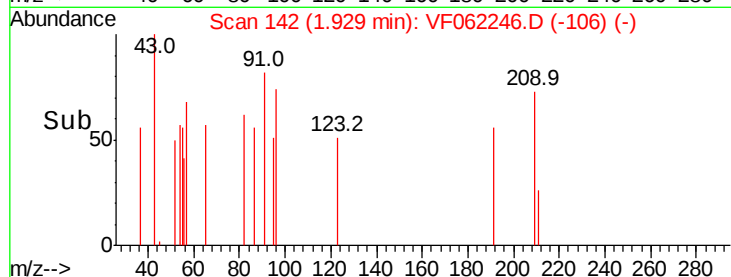
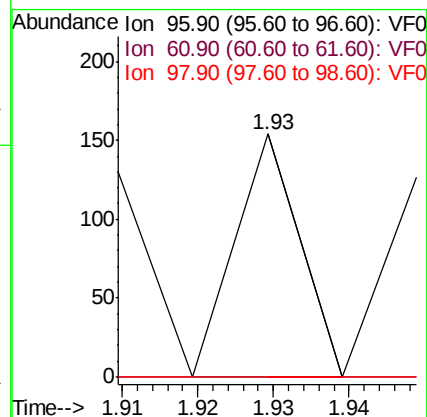
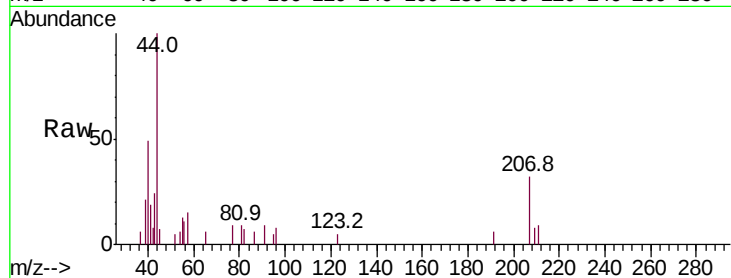
Tot Ion: 96 Resp: 91

Ion Ratio Lower Upper

96 100

61 0.0 129.1 193.7#

98 0.0 50.0 75.0#



#13

Acrolein

Concen: 5355.326 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF062246.D

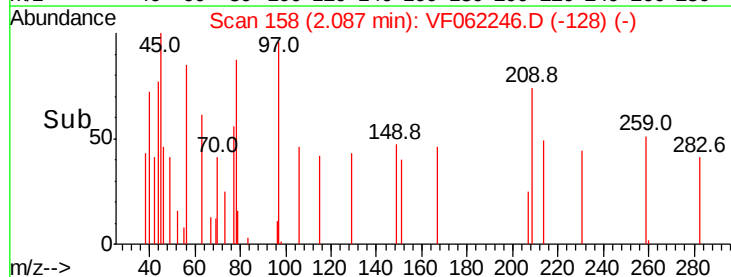
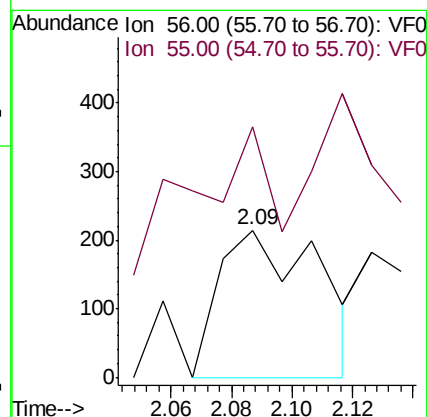
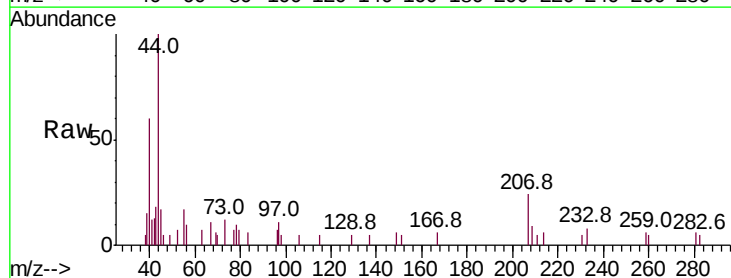
Acq: 22 Apr 2019 15:56

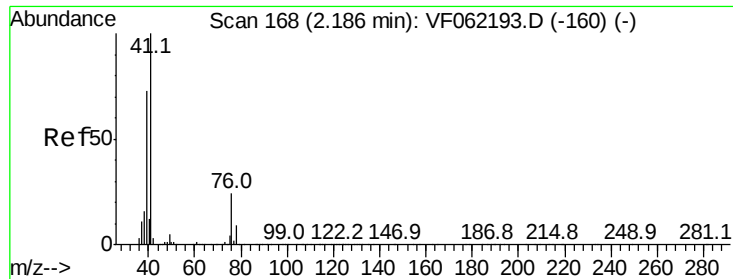
Tgt Ion: 56 Resp: 491

Ion Ratio Lower Upper

56 100

55 51.1 57.4 86.0#

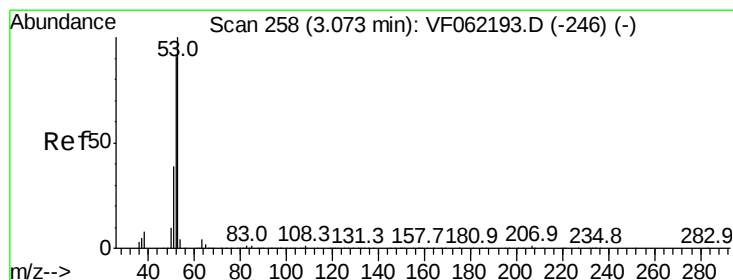
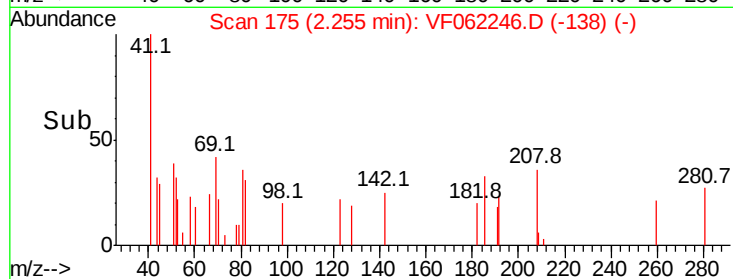
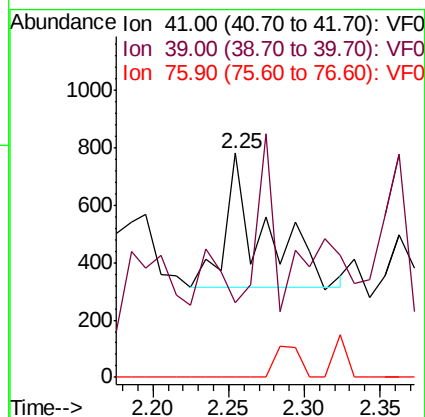
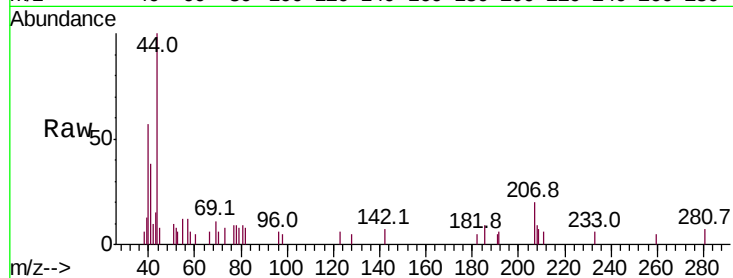




#14
Allvl chloride
Concen: 791.761 ug/l
RT: 2.25 min Scan# 175
Delta R.T. 0.07 min
Lab File: VF062246.D
Acq: 22 Apr 2019 15:56

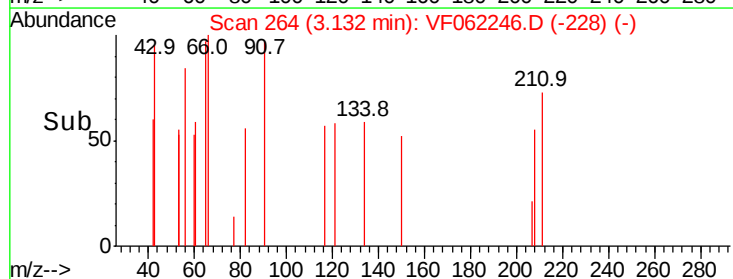
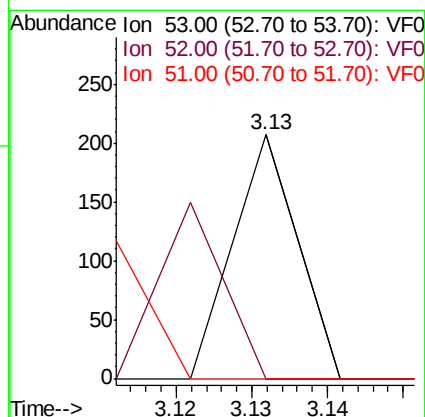
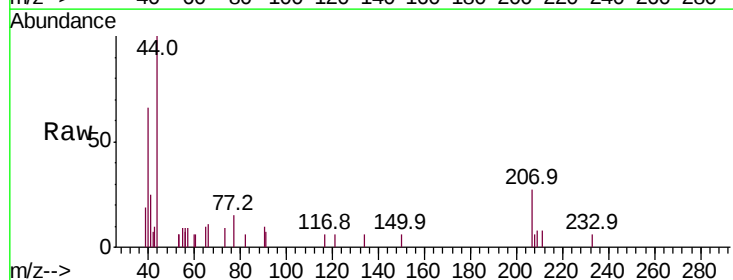
Instrument :
MSVOA_F
ClientSampleId :
TP-TRACK-8-9RE

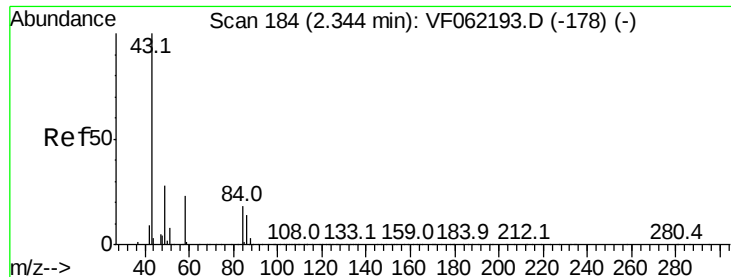
Tot Ion: 41 Resp: 830
Ion Ratio Lower Upper
41 100
39 36.9 60.0 90.0#
76 0.0 20.6 30.8#



#15
Acrylonitrile
Concen: 766.390 ug/l
RT: 3.13 min Scan# 264
Delta R.T. 0.06 min
Lab File: VF062246.D
Acq: 22 Apr 2019 15:56

Tgt Ion: 53 Resp: 122
Ion Ratio Lower Upper
53 100
52 73.0 69.5 104.3
51 56.6 31.8 47.8#

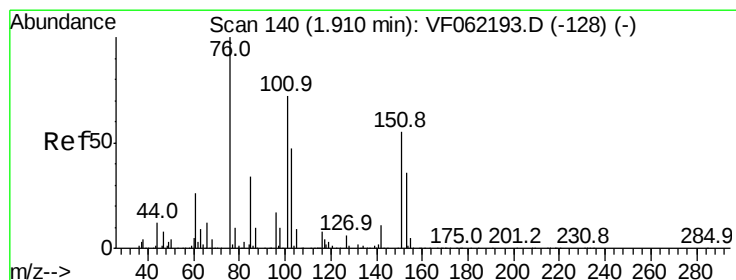
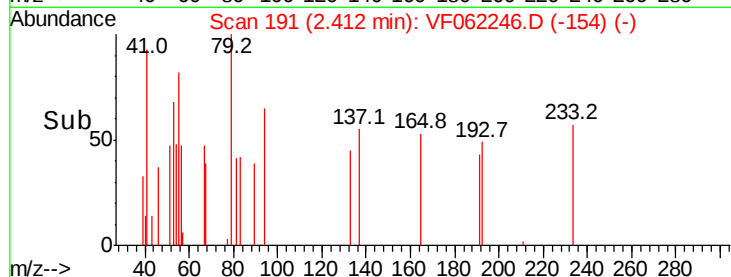
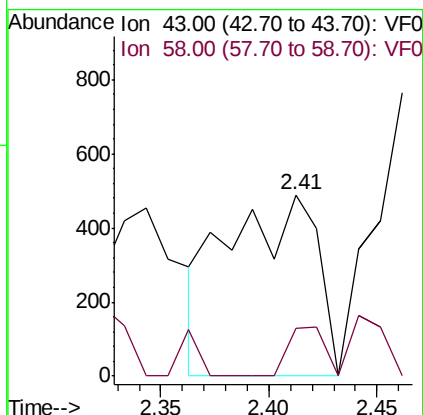
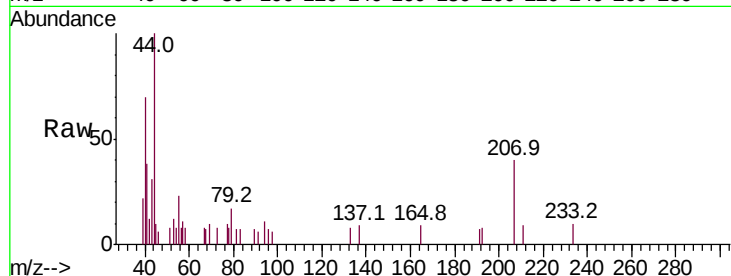




#16
Acetone
Concen: 7834.269 ug/l
RT: 2.41 min Scan# 191
Delta R.T. 0.07 min
Lab File: VF062246.D
Acq: 22 Apr 2019 15:56

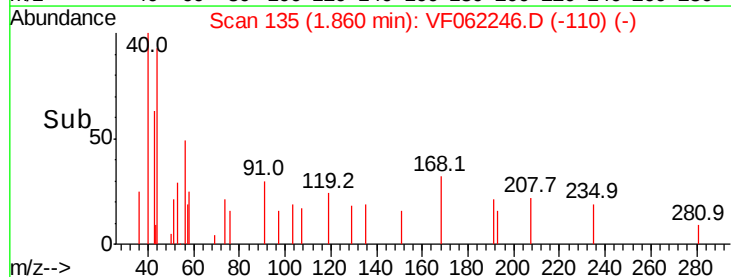
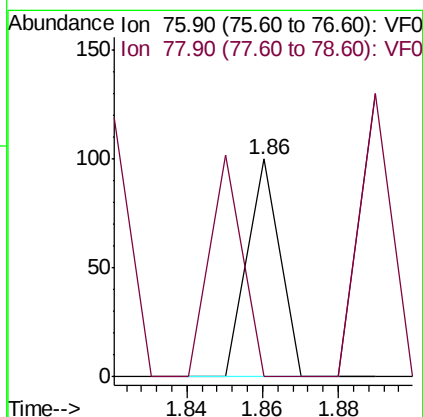
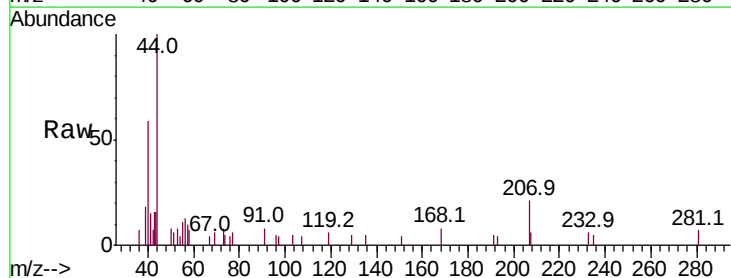
Instrument :
MSVOA_F
ClientSampleId :
TP-TRACK-8-9RE

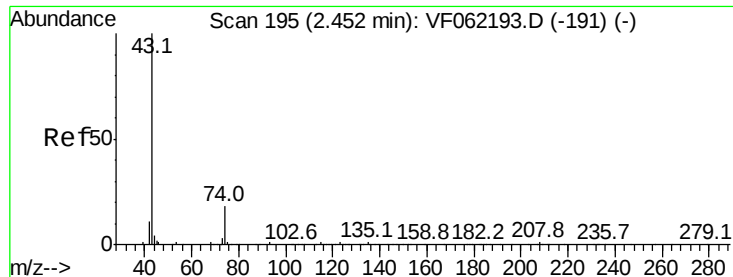
Tot Ion: 43 Resp: 1408
Ion Ratio Lower Upper
43 100
58 26.2 18.8 28.2



#17
Carbon Disulfide
Concen: 23.244 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.05 min
Lab File: VF062246.D
Acq: 22 Apr 2019 15:56

Tgt Ion: 76 Resp: 59
Ion Ratio Lower Upper
76 100
78 0.0 8.7 13.1#

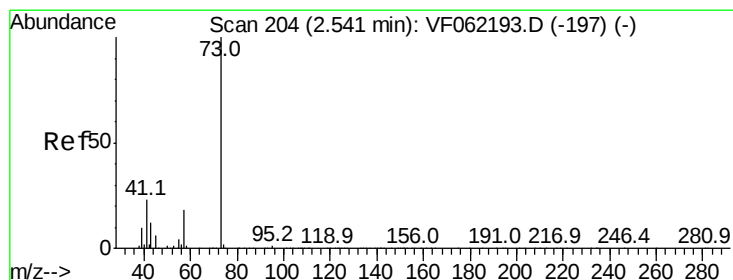
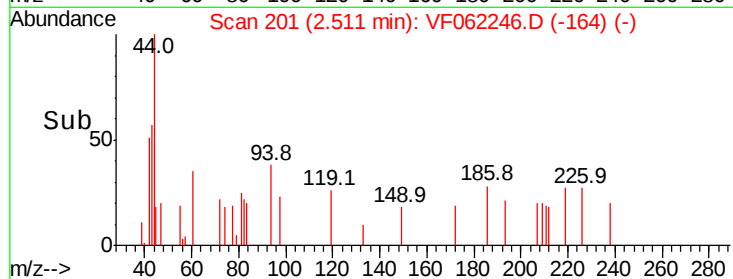
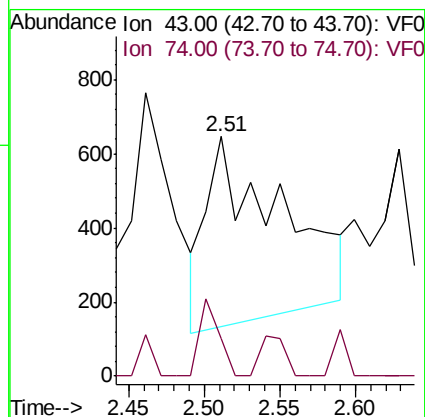
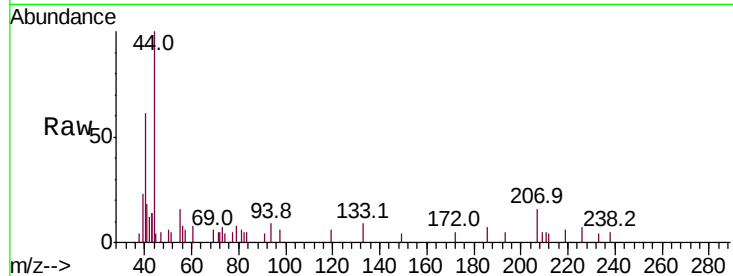




#18
Methyl Acetate
Concen: 5008.549 ug/l
RT: 2.51 min Scan# 201
Delta R.T. 0.06 min
Lab File: VF062246.D
Acq: 22 Apr 2019 15:56

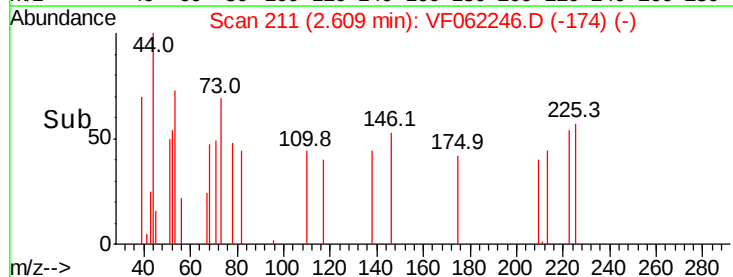
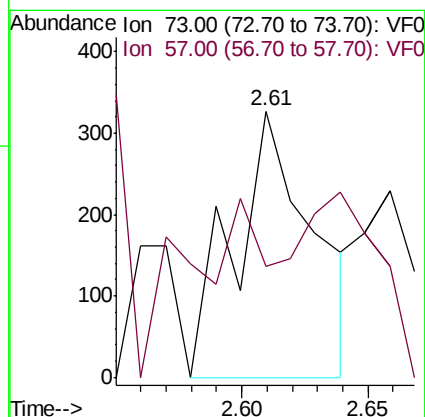
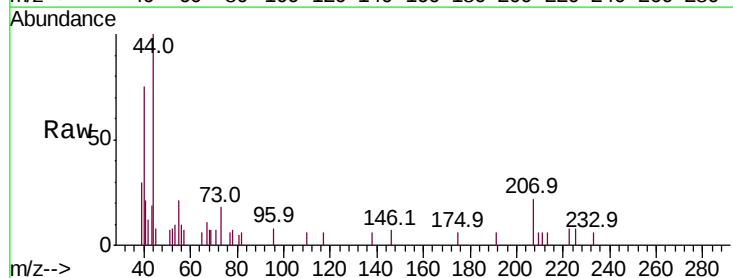
Instrument :
MSVOA_F
ClientSampleId :
TP-TRACK-8-9RE

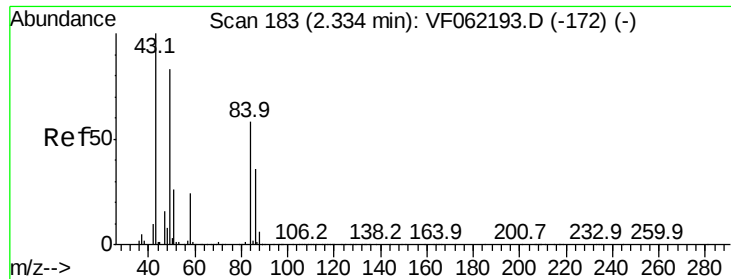
Tot Ion: 43 Resp: 1715
Ion Ratio Lower Upper
43 100
74 10.6 14.5 21.7#



#19
Methyl tert-butyl Ether
Concen: 436.516 ug/l
RT: 2.61 min Scan# 211
Delta R.T. 0.07 min
Lab File: VF062246.D
Acq: 22 Apr 2019 15:56

Tgt Ion: 73 Resp: 704
Ion Ratio Lower Upper
73 100
57 0.0 15.1 22.7#

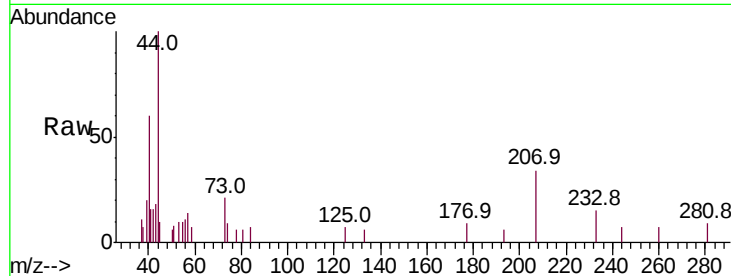




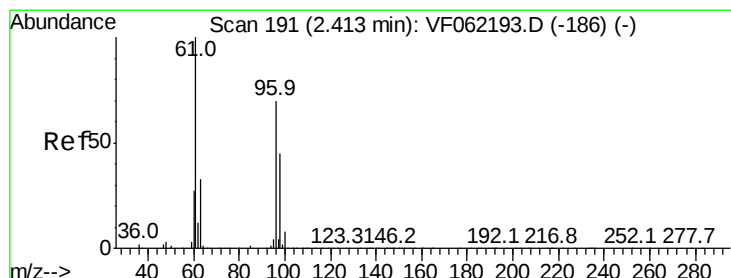
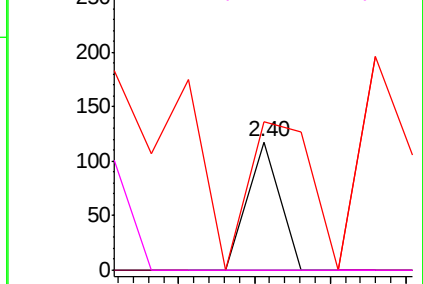
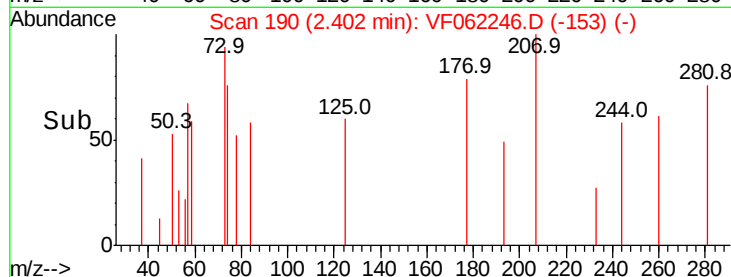
#20
Methvlene Chloride
Concen: 83.498 ug/l
RT: 2.40 min Scan# 190
Delta R.T. 0.07 min
Lab File: VF062246.D
Acq: 22 Apr 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
TP-TRACK-8-9RE

Tot Ion: 84 Resp: 70
Ion Ratio Lower Upper
84 100
49 0.0 114.0 171.0#
51 115.3 37.0 55.4#
86 0.0 49.8 74.8#

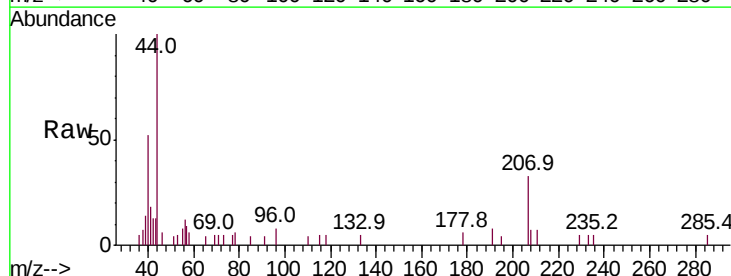


Abundance Ion 83.90 (83.60 to 84.60): VF0
Ion 48.90 (48.60 to 49.60): VF0
Ion 50.90 (50.60 to 51.60): VF0
Ion 85.90 (85.60 to 86.60): VF0

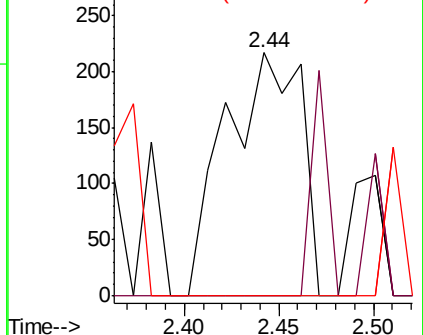
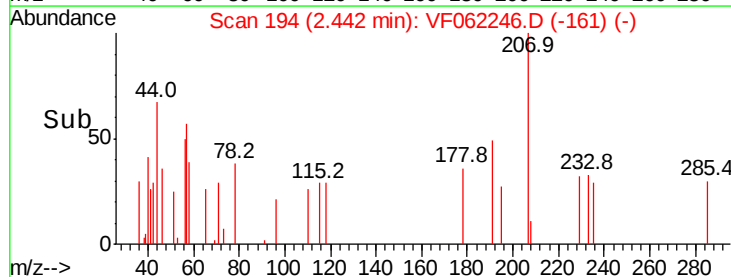


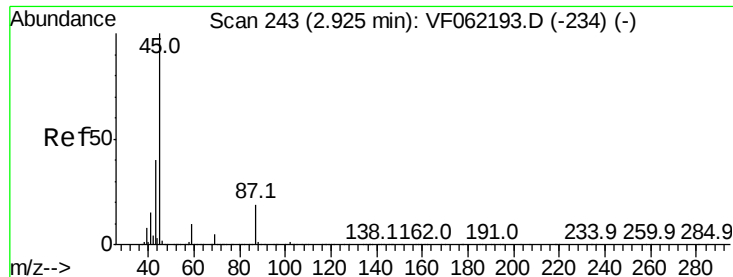
#21
trans-1,2-Dichloroethene
Concen: 668.643 ug/l
RT: 2.44 min Scan# 194
Delta R.T. 0.03 min
Lab File: VF062246.D
Acq: 22 Apr 2019 15:56

Tgt Ion: 96 Resp: 604
Ion Ratio Lower Upper
96 100
61 0.0 114.6 172.0#
98 0.0 51.2 76.8#



Abundance Ion 95.90 (95.60 to 96.60): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 97.90 (97.60 to 98.60): VF0





#22

Diisopropyl ether

Concen: 142.082 ug/l

RT: 3.01 min Scan# 252

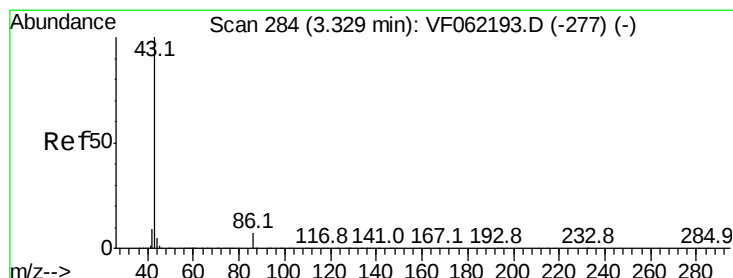
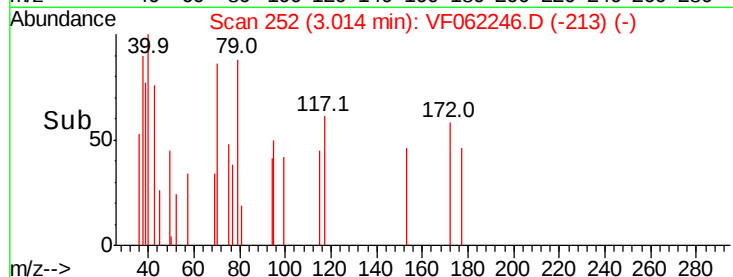
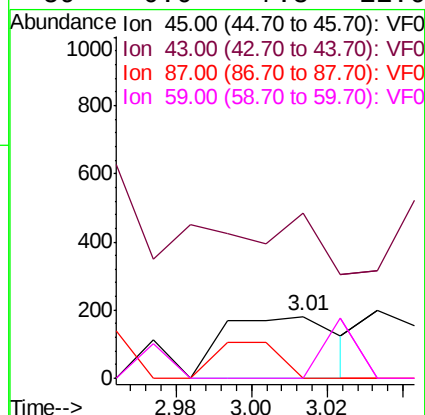
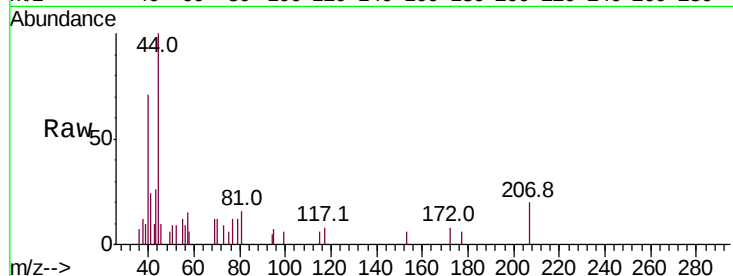
Delta R.T. 0.09 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
TP-TRACK-8-9RE

Tot Ion:	45	Resp:	381
Ion	Ratio	Lower	Upper
45	100		
43	98.9	32.8	49.2#
87	0.0	15.2	22.8#
59	0.0	7.8	11.6#



#23

Vinyl Acetate

Concen: 832.019 ug/l

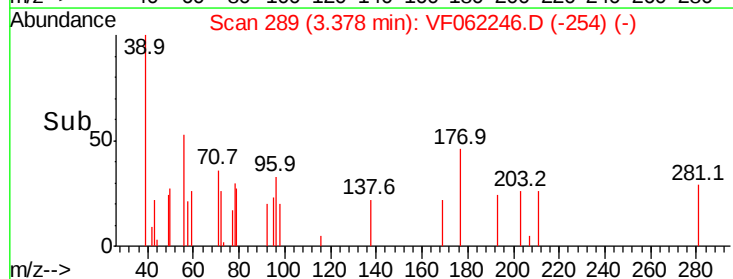
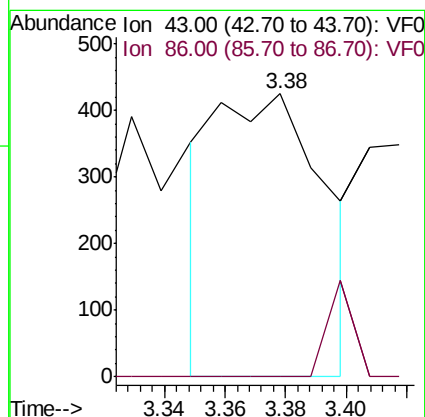
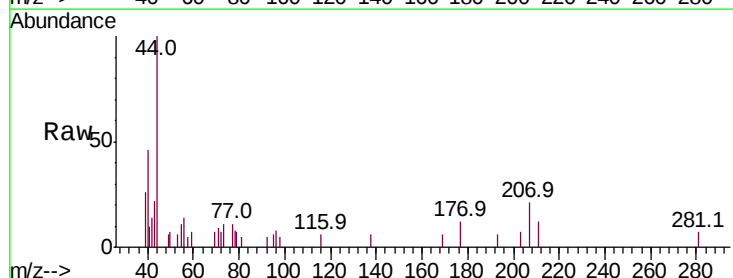
RT: 3.38 min Scan# 289

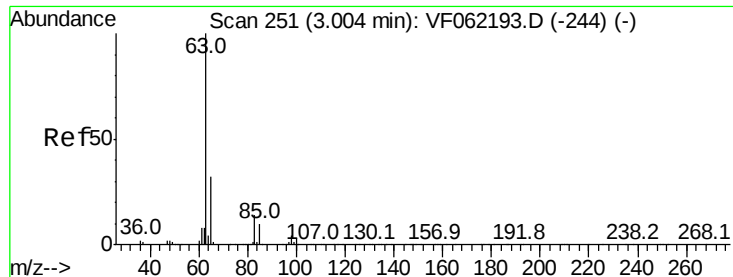
Delta R.T. 0.05 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

Tgt Ion:	43	Resp:	1063
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.9	8.9#





#24

1,1-Dichloroethane

Concen: 59.991 ug/l

RT: 3.18 min Scan# 269

Delta R.T. 0.18 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

TP-TRACK-8-9RE

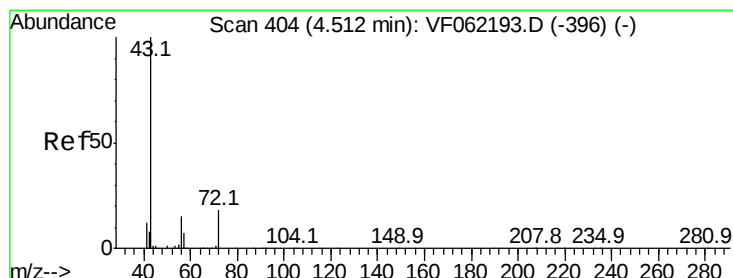
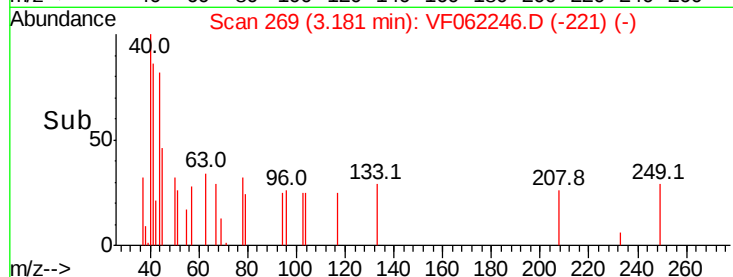
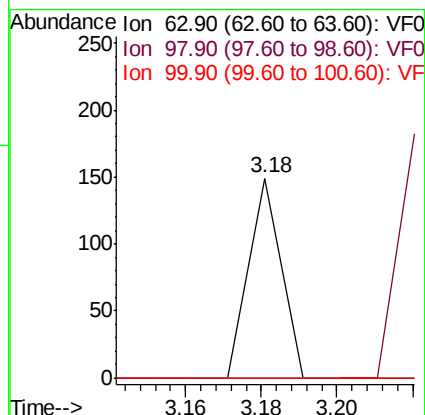
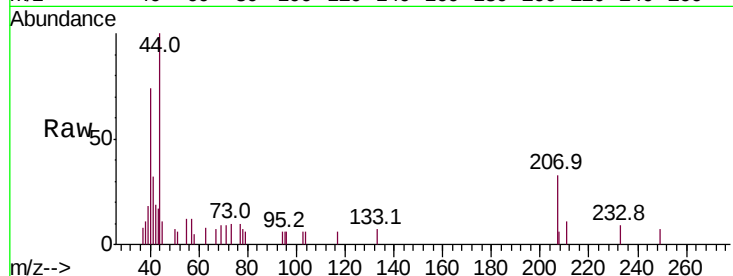
Tot Ion: 63 Resp: 88

Ion Ratio Lower Upper

63 100

98 0.0 2.3 6.8#

100 0.0 1.7 5.0#



#25

2-Butanone

Concen: 2610.167 ug/l

RT: 4.60 min Scan# 413

Delta R.T. 0.09 min

Lab File: VF062246.D

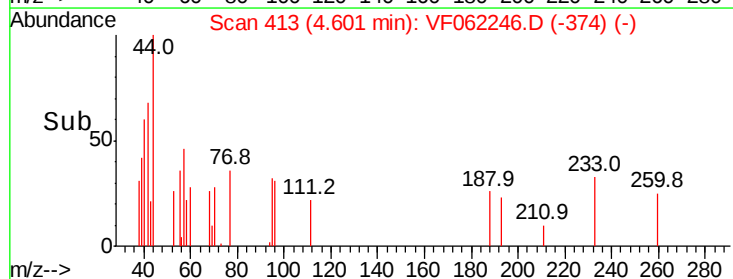
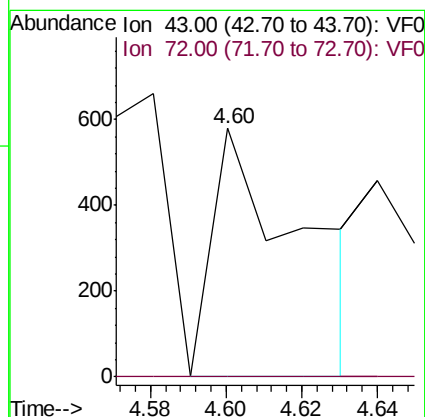
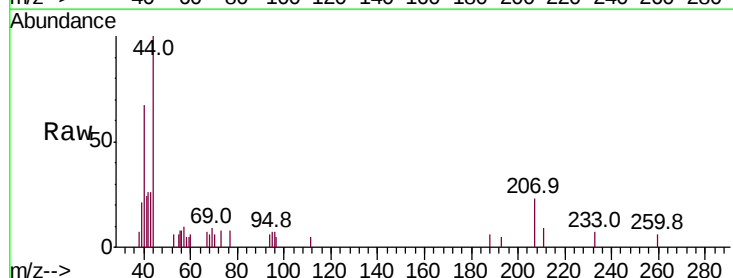
Acq: 22 Apr 2019 15:56

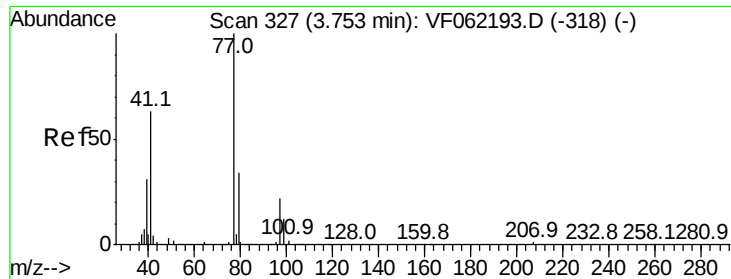
Tgt Ion: 43 Resp: 938

Ion Ratio Lower Upper

43 100

72 0.0 16.1 24.1#





#26

2,2-Dichloropropane

Concen: 972.193 ug/l

RT: 3.90 min Scan# 342

Delta R.T. 0.15 min

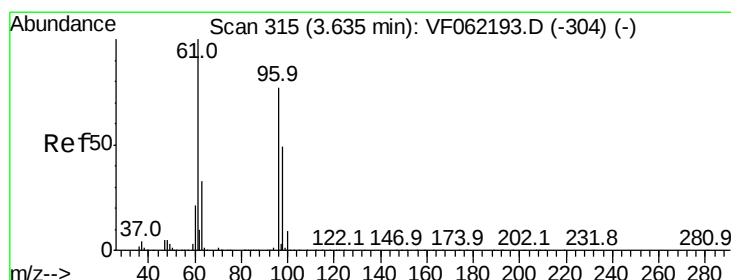
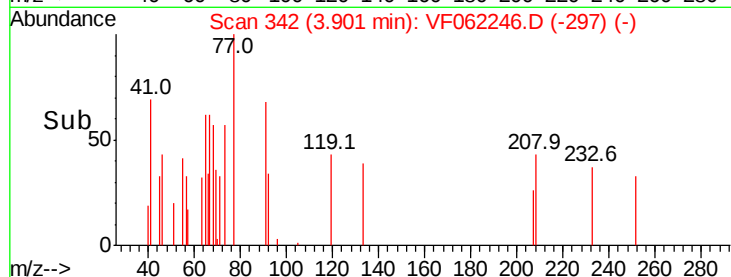
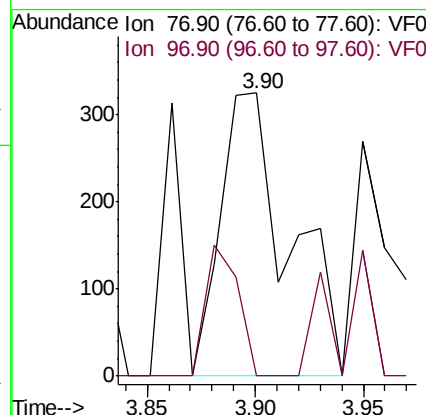
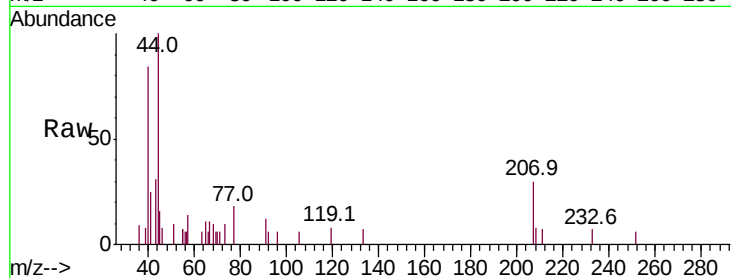
Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
TP-TRACK-8-9RE

Tot Ion: 77 Resp: 720

Ion	Ratio	Lower	Upper
77	100		
97	21.8	11.1	33.3



#27

cis-1,2-Dichloroethene

Concen: 310.313 ug/l

RT: 3.68 min Scan# 320

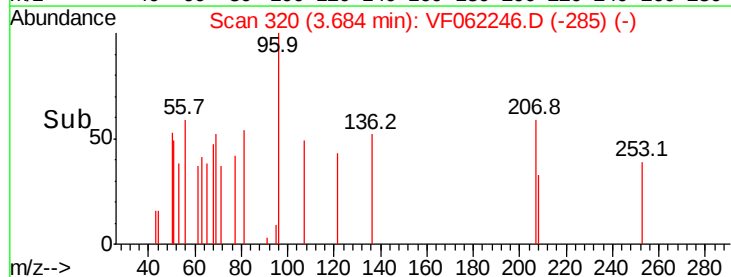
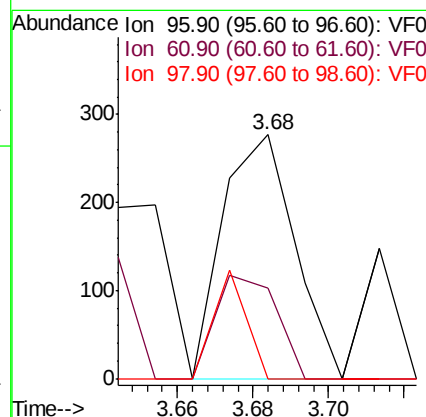
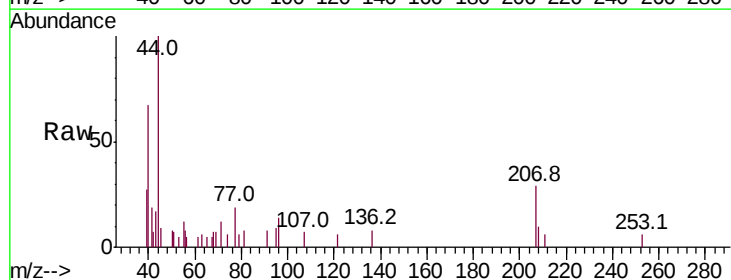
Delta R.T. 0.05 min

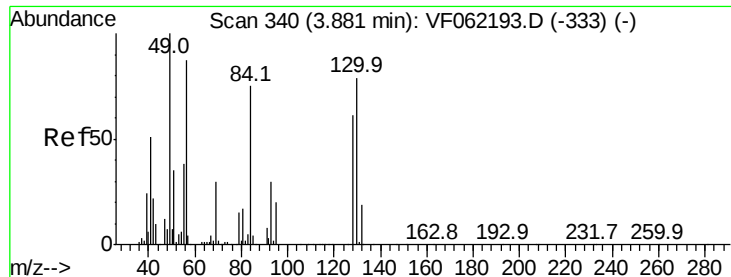
Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

Tgt Ion: 96 Resp: 363

Ion	Ratio	Lower	Upper
96	100		
61	35.8	0.0	253.6
98	20.1	0.0	124.8





#28

Bromochloromethane

Concen: 93.925 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.03 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

TP-TRACK-8-9RE

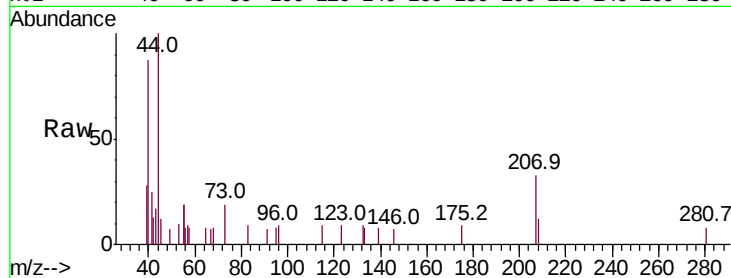
Tot Ion: 49 Resp: 66

Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.0

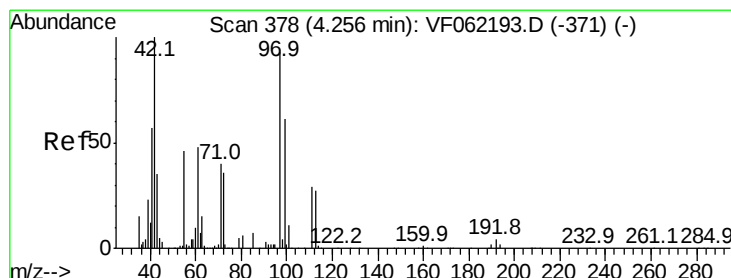
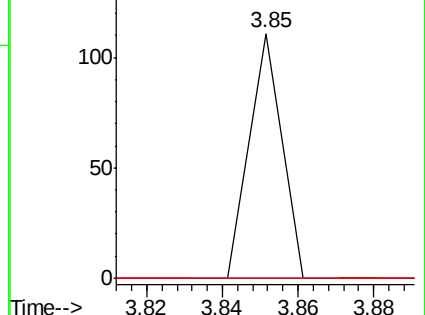
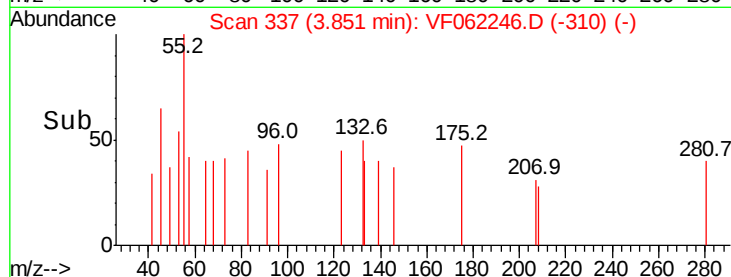
130 0.0 66.6 100.0#



Abundance Ion 48.90 (48.60 to 49.60): VF0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 2440.663 ug/l

RT: 4.37 min Scan# 390

Delta R.T. 0.12 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

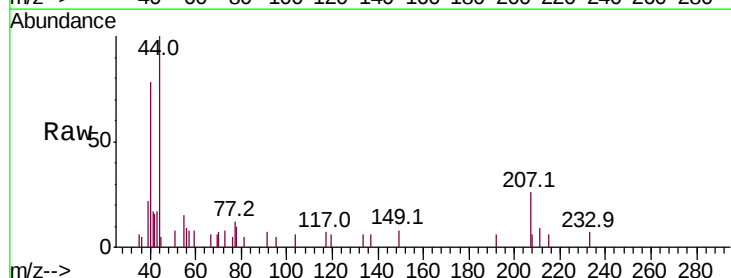
Tgt Ion: 42 Resp: 397

Ion Ratio Lower Upper

42 100

72 0.0 28.6 43.0#

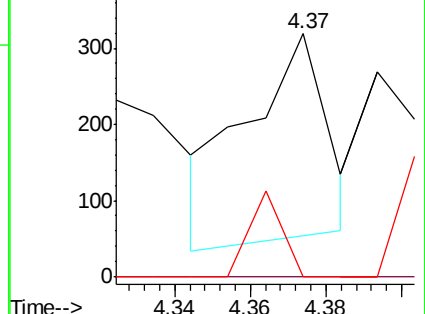
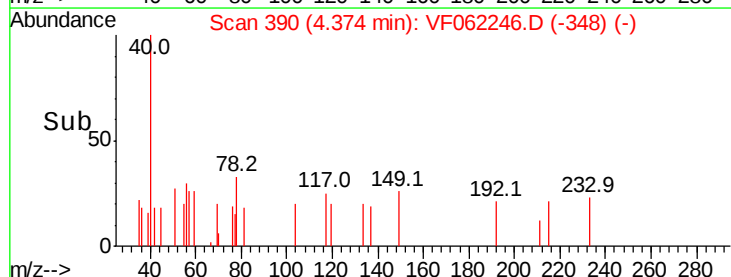
71 16.9 29.2 43.8#

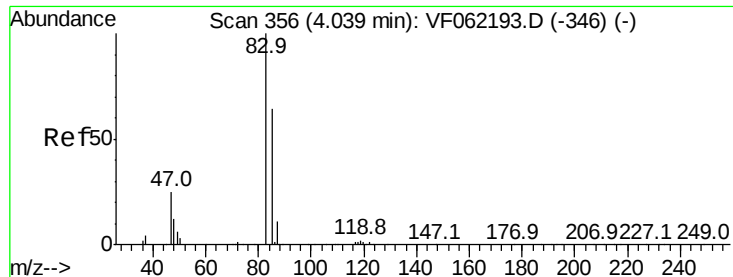


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

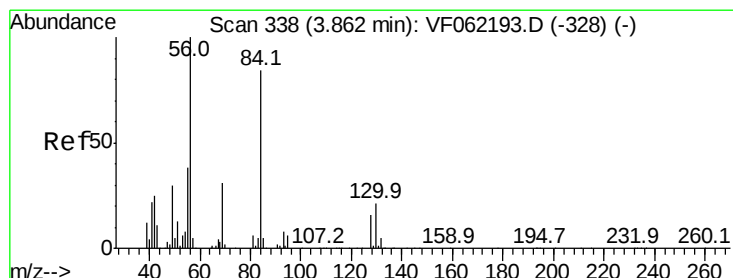
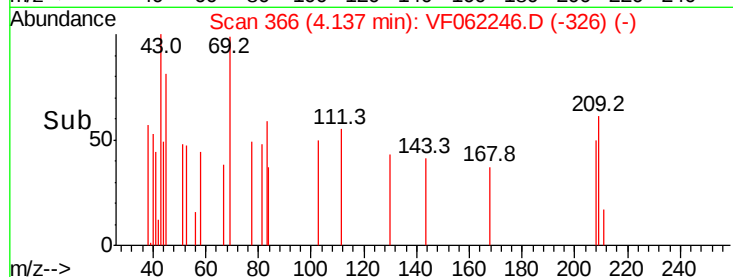
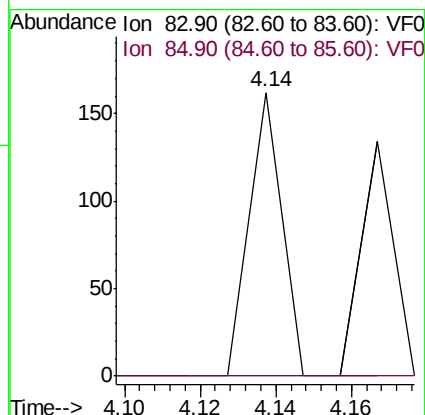
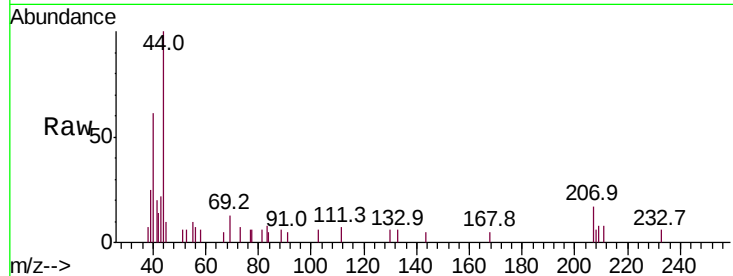




#30
Chloroform
Concen: 53.251 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.10 min
Lab File: VF062246.D
Acq: 22 Apr 2019 15:56

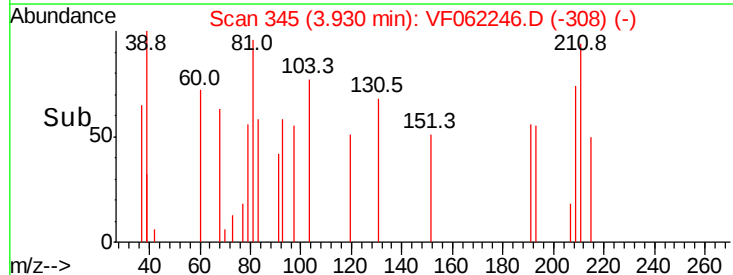
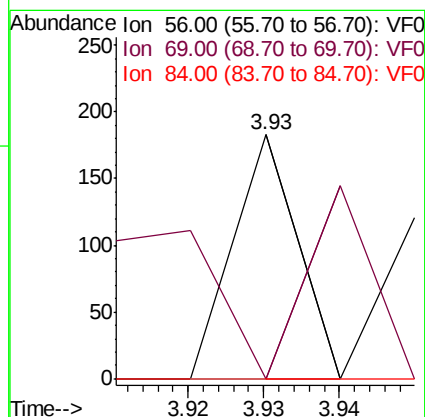
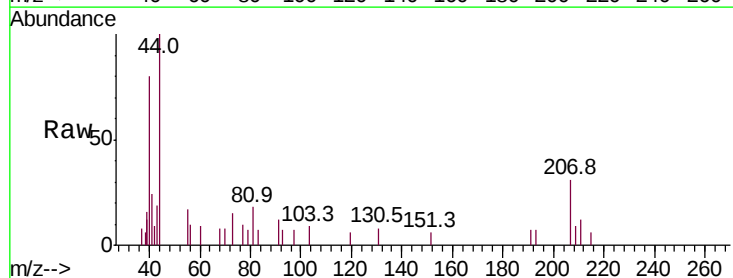
Instrument :
MSVOA_F
ClientSampleId :
TP-TRACK-8-9RE

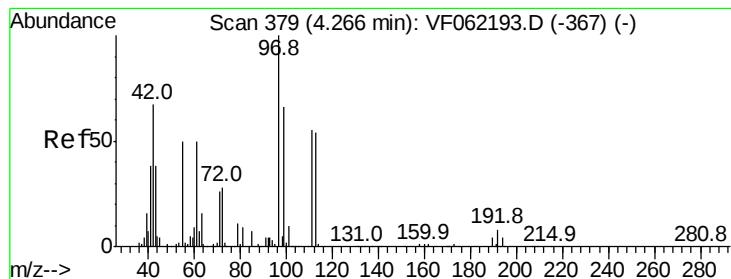
Tot Ion: 83 Resp: 96
Ion Ratio Lower Upper
83 100
85 0.0 51.8 77.8#



#31
Cyclohexane
Concen: 61.436 ug/l
RT: 3.93 min Scan# 345
Delta R.T. 0.07 min
Lab File: VF062246.D
Acq: 22 Apr 2019 15:56

Tgt Ion: 56 Resp: 108
Ion Ratio Lower Upper
56 100
69 0.0 25.1 37.7#
84 0.0 67.8 101.6#





#32

1,1,1-Trichloroethane

Concen: 50.773 ug/l

RT: 4.36 min Scan# 389

Delta R.T. 0.10 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

TP-TRACK-8-9RE

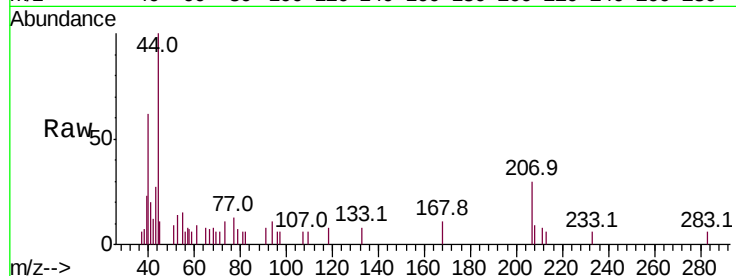
Tot Ion: 97 Resp: 67

Ion Ratio Lower Upper

97 100

99 0.0 52.7 79.1#

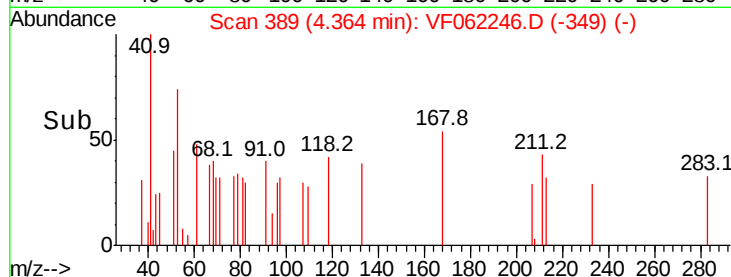
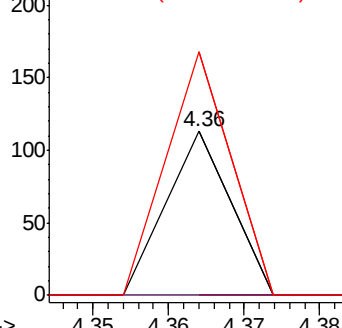
61 147.8 53.0 79.4#



Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

Ion 60.90 (60.60 to 61.60): VF0



#33

1,2-Dichloroethane-d4

Concen: 269.985 ug/l

RT: 5.12 min Scan# 466

Delta R.T. 0.11 min

Lab File: VF062246.D

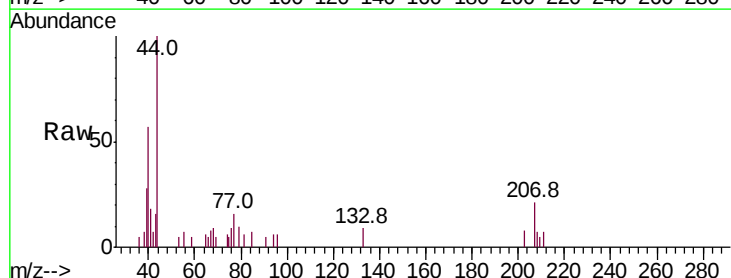
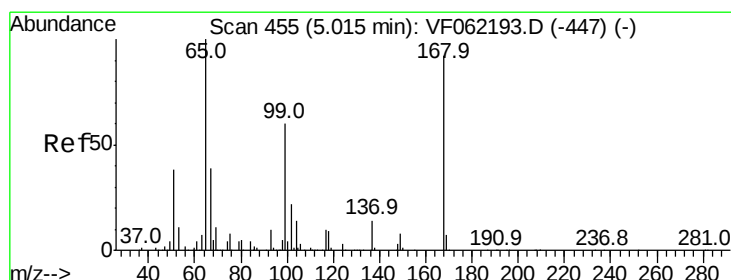
Acq: 22 Apr 2019 15:56

Tgt Ion: 65 Resp: 203

Ion Ratio Lower Upper

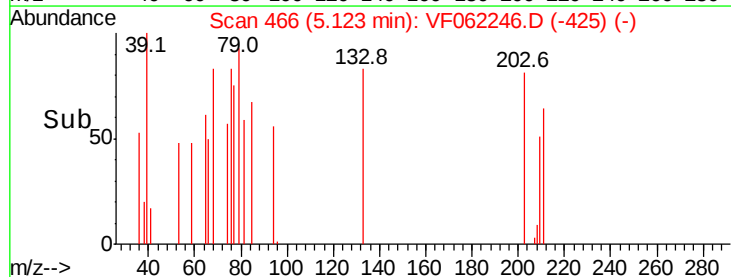
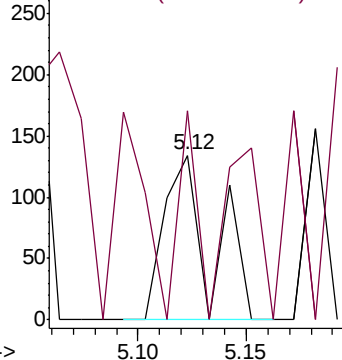
65 100

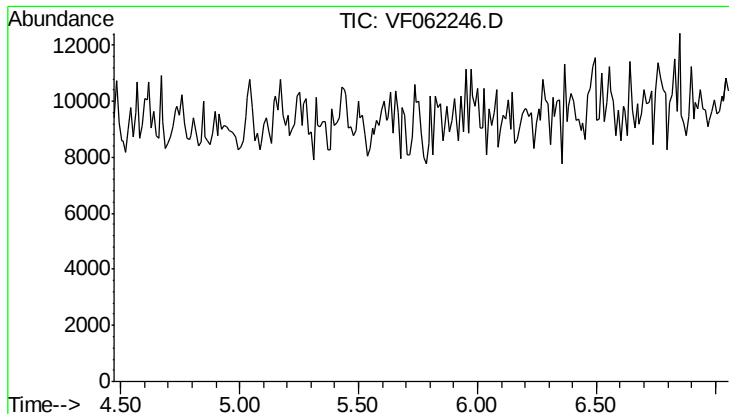
67 49.8 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0





#34

1,4-Difluorobenzene

Concen: 0.000 ug/l

Expected RT: 5.76 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

Tot Ion: 114

Sig Exp Ratio

114 100

63 18.3

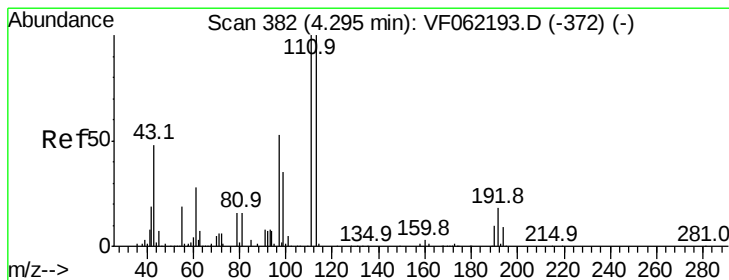
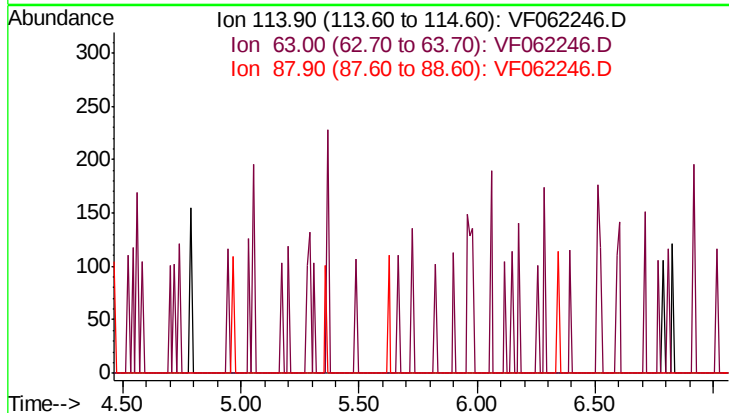
88 17.9

Instrument :

MSVOA_F

ClientSampleId :

TP-TRACK-8-9RE



#35

Dibromofluoromethane

Concen: 0.000 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

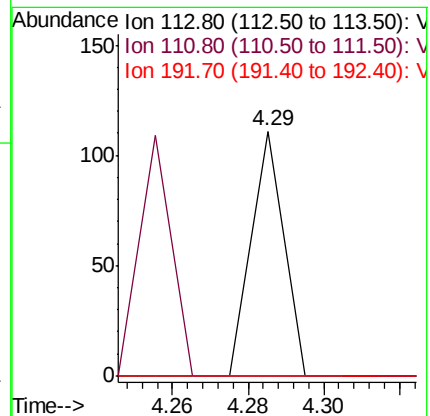
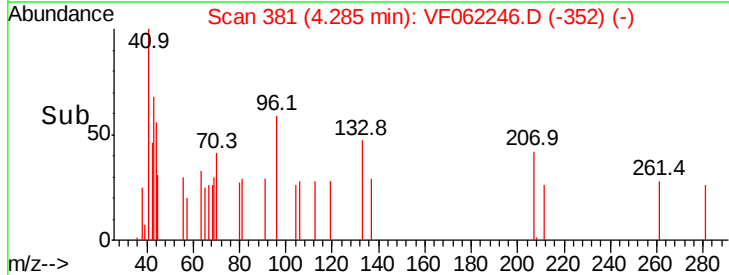
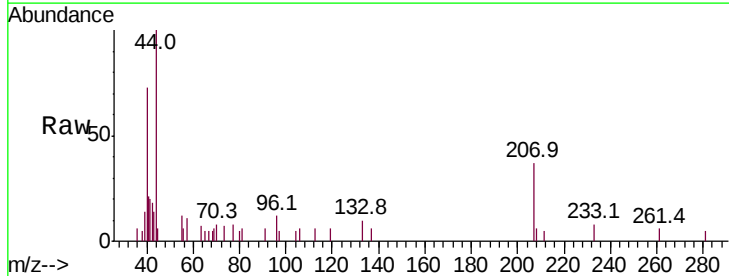
Tgt Ion:113 Resp: 66

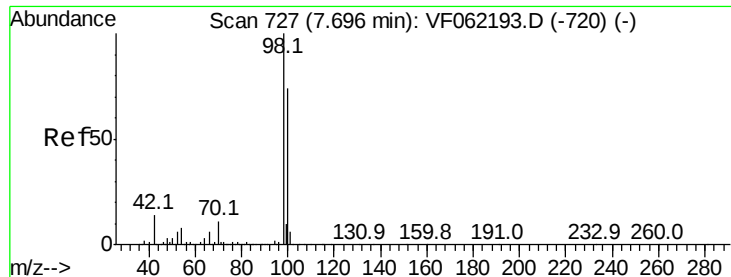
Ion Ratio Lower Upper

113 100

111 0.0 81.1 121.7#

192 0.0 14.7 22.1#





#50

Toluene-d8

Concen: 0.000 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.00 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

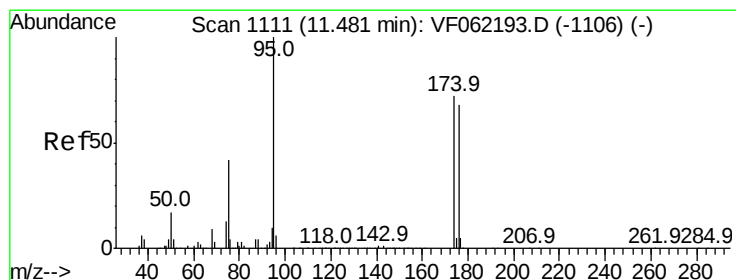
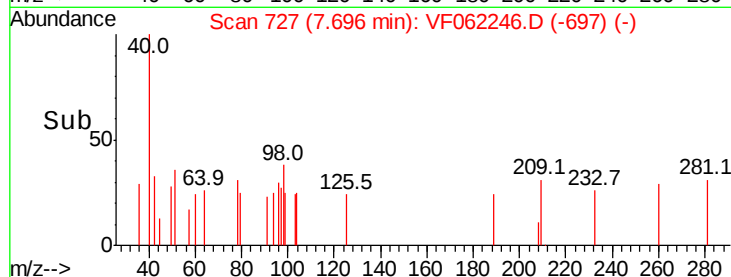
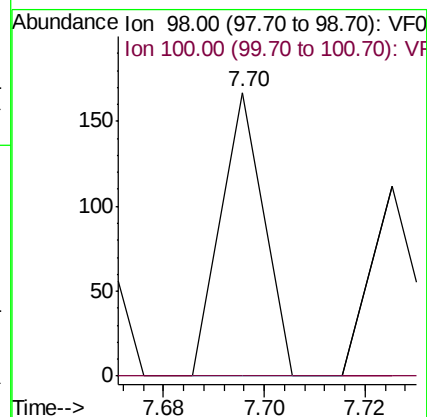
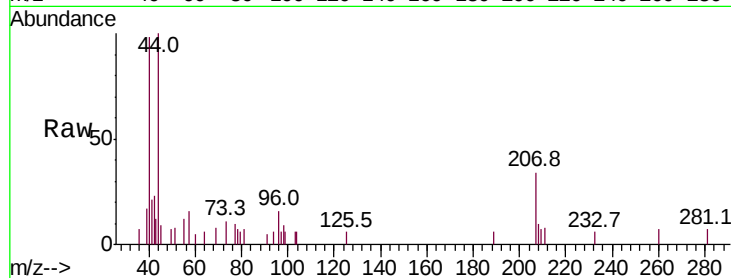
TP-TRACK-8-9RE

Tot Ion: 98 Resp: 99

Ion Ratio Lower Upper

98 100

100 0.0 56.2 84.2#



#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

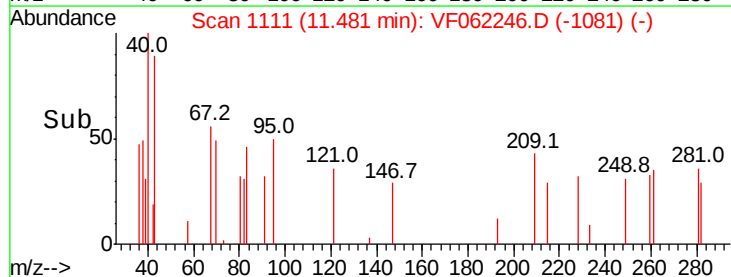
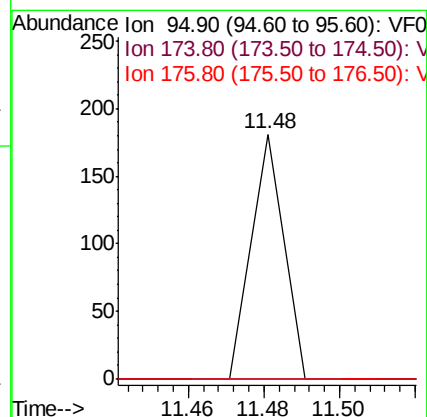
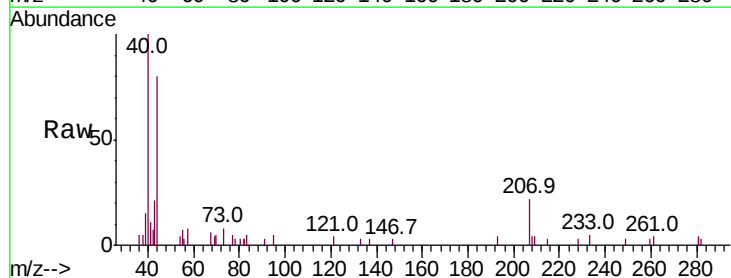
Tgt Ion: 95 Resp: 107

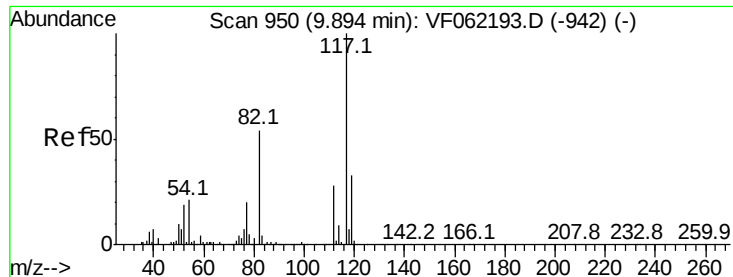
Ion Ratio Lower Upper

95 100

174 0.0 0.0 159.4

176 0.0 0.0 155.4

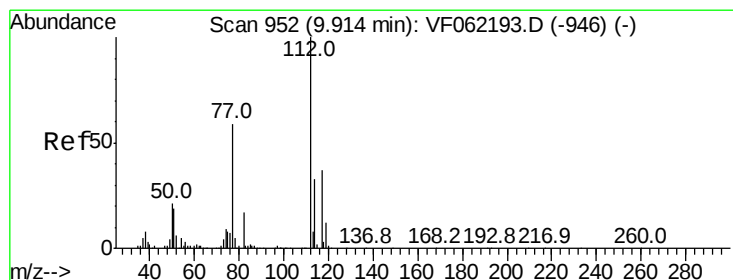
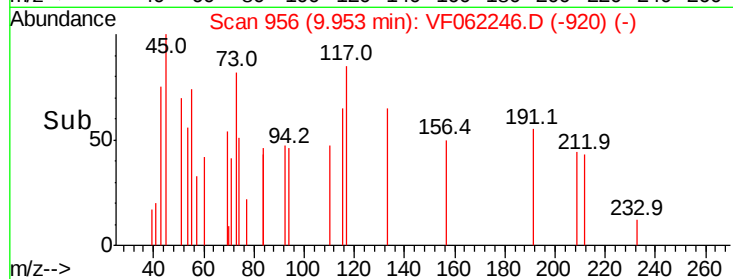
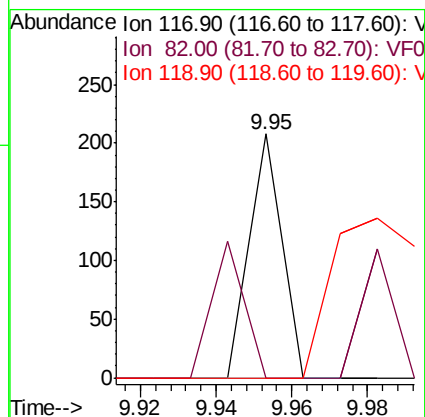
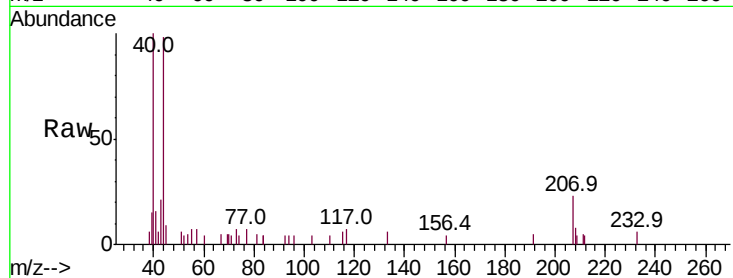




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.95 min Scan# 956
Delta R.T. 0.06 min
Lab File: VF062246.D
Acq: 22 Apr 2019 15:56

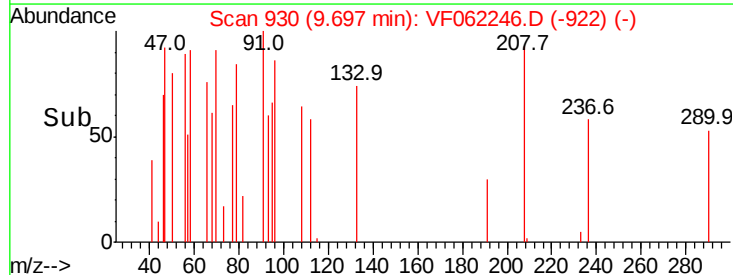
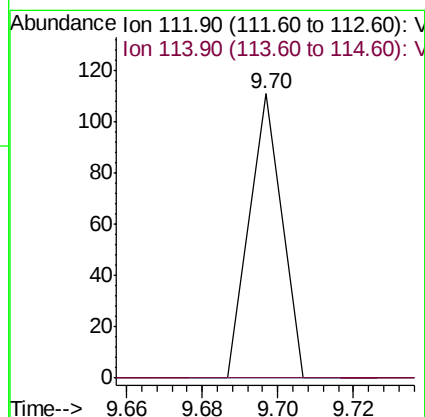
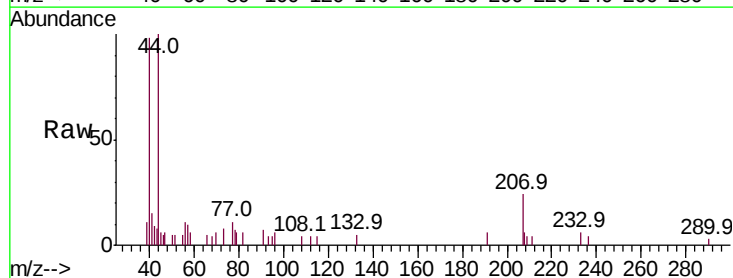
Instrument :
MSVOA_F
ClientSampleId :
TP-TRACK-8-9RE

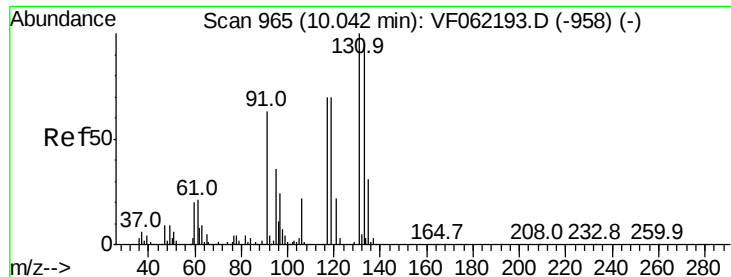
Tot Ion:117 Resp: 123
Ion Ratio Lower Upper
117 100
82 0.0 43.2 64.8#
119 0.0 26.2 39.4#



#65
Chlorobenzene
Concen: 25.165 ug/l
RT: 9.70 min Scan# 930
Delta R.T. -0.22 min
Lab File: VF062246.D
Acq: 22 Apr 2019 15:56

Tgt Ion:112 Resp: 66
Ion Ratio Lower Upper
112 100
114 0.0 26.1 39.1#





#66

1,1,1,2-Tetrachloroethane

Concen: 61.879 ug/l

RT: 10.15 min Scan# 976

Delta R.T. 0.11 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

TP-TRACK-8-9RE

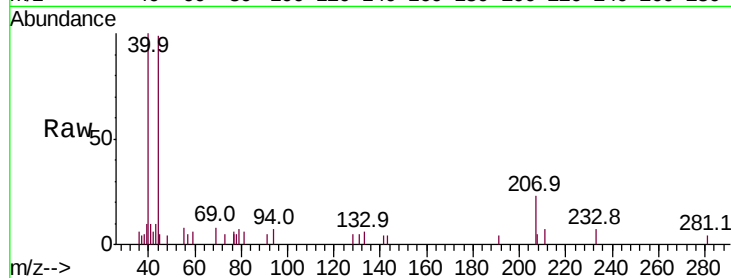
Tot Ion:131 Resp: 76

Ion Ratio Lower Upper

131 100

133 652.6 47.7 143.1#

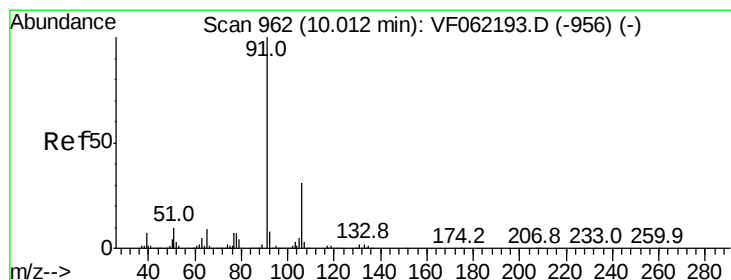
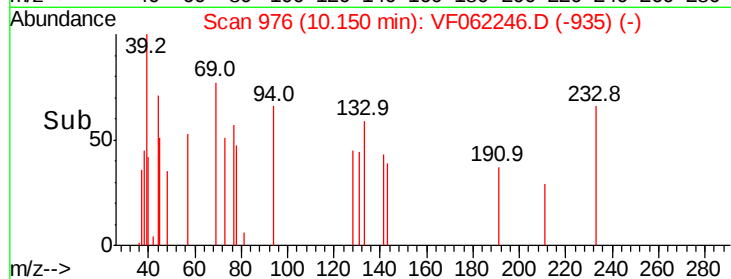
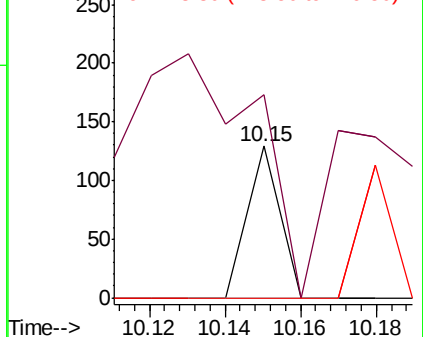
119 0.0 34.6 103.9#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 18.242 ug/l

RT: 10.01 min Scan# 962

Delta R.T. -0.00 min

Lab File: VF062246.D

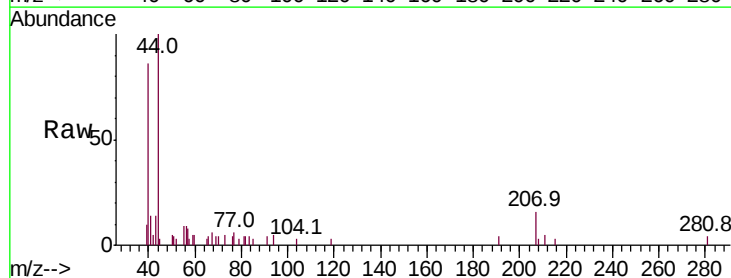
Acq: 22 Apr 2019 15:56

Tgt Ion: 91 Resp: 87

Ion Ratio Lower Upper

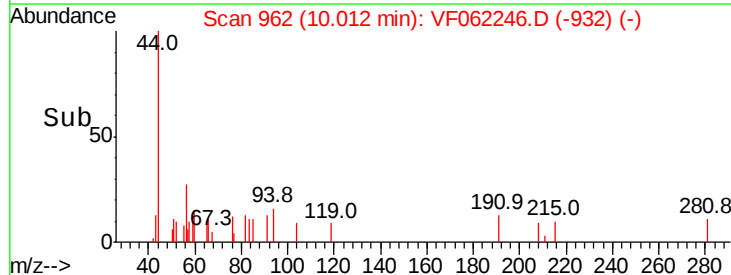
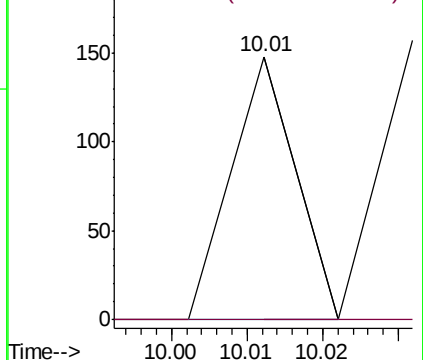
91 100

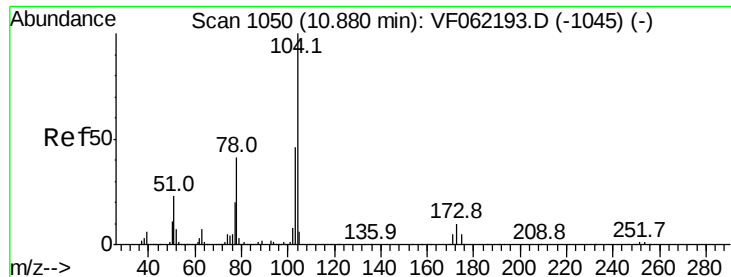
106 0.0 24.9 37.3#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V





#70

Stvrene

Concen: 27.629 ug/l

RT: 10.86 min Scan# 1048

Delta R.T. -0.02 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

TP-TRACK-8-9RE

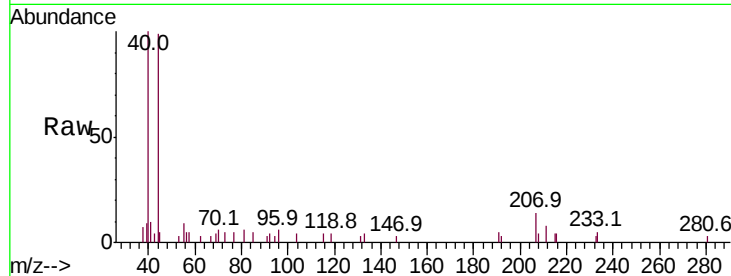
Tot Ion:104 Resp: 76

Ion Ratio Lower Upper

104 100

78 0.0 34.5 51.7#

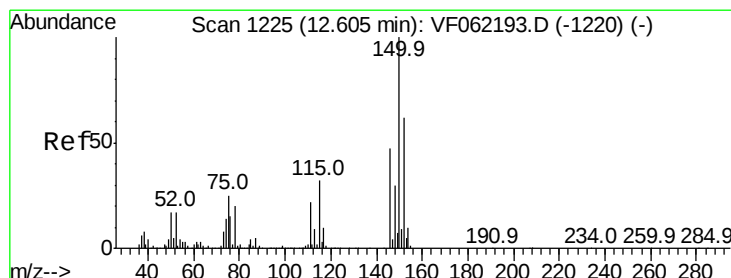
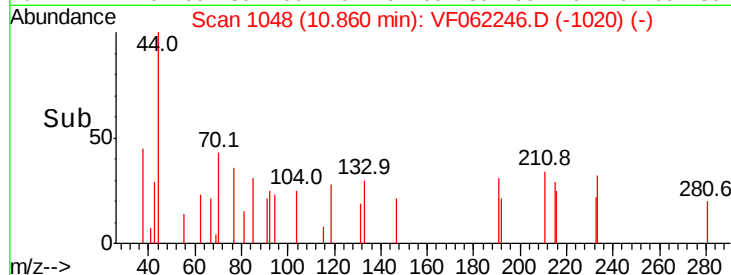
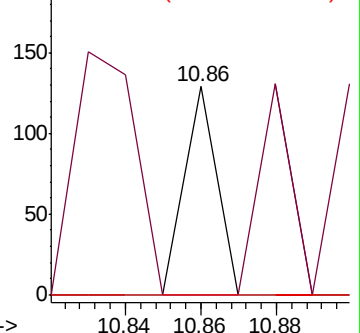
103 0.0 37.2 55.8#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.07 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

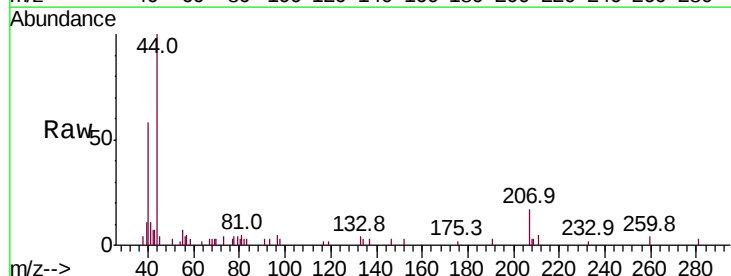
Tgt Ion:152 Resp: 71

Ion Ratio Lower Upper

152 100

115 91.5 27.8 83.3#

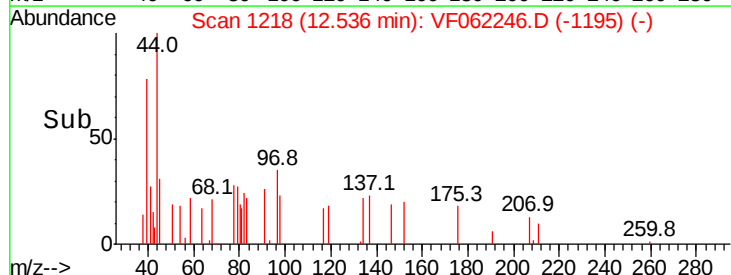
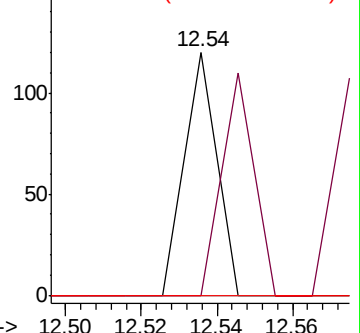
150 0.0 0.0 341.8

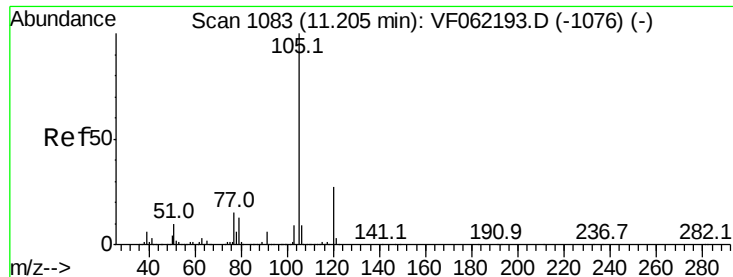


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 11.969 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

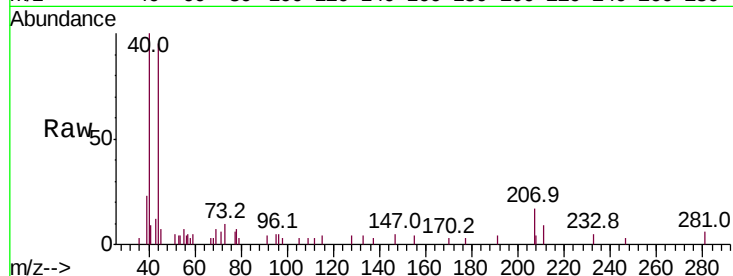
TP-TRACK-8-9RE

Tot Ion:105 Resp: 73

Ion Ratio Lower Upper

105 100

120 0.0 13.0 38.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

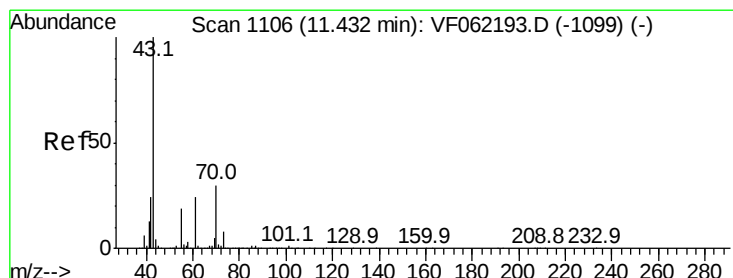
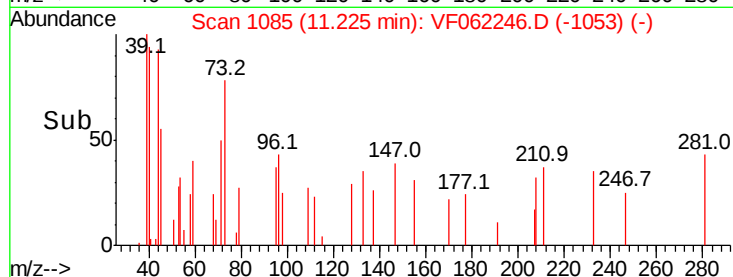
11.22

100

50

0

Time-->



#74

N-ethyl acetate

Concen: 1089.872 ug/l

RT: 11.39 min Scan# 1102

Delta R.T. -0.04 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

Tgt Ion: 43 Resp: 1511

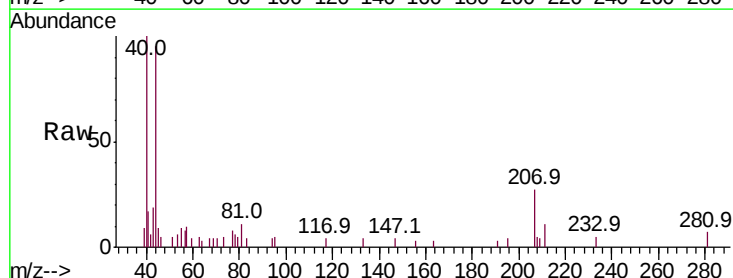
Ion Ratio Lower Upper

43 100

70 42.7 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

800

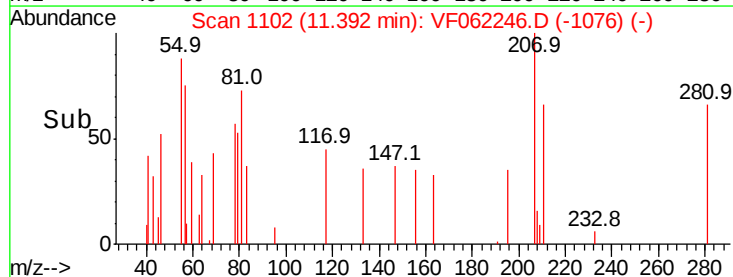
600

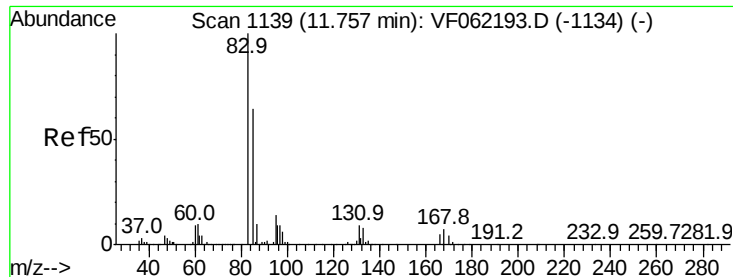
400

200

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 342.272 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

TP-TRACK-8-9RE

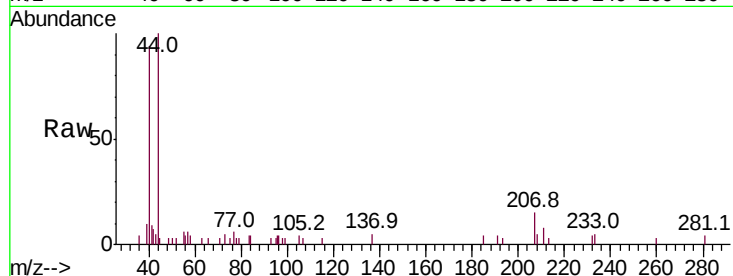
Tot Ion: 83 Resp: 359

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

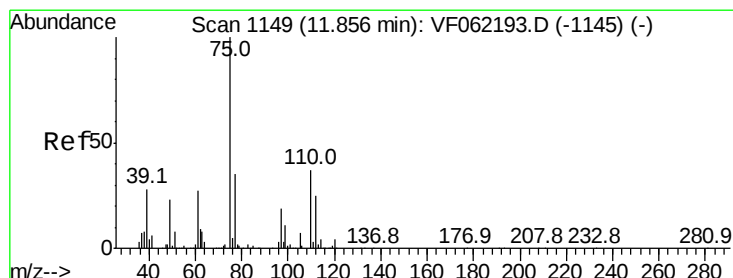
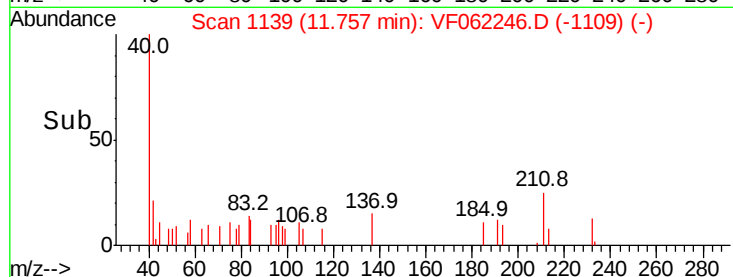
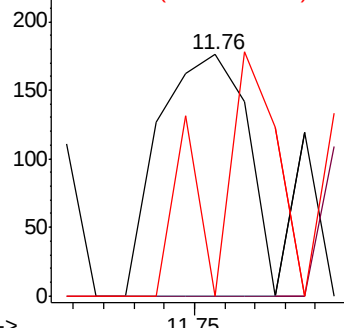
85 71.0 34.7 104.1



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 83.145 ug/l

RT: 11.84 min Scan# 1147

Delta R.T. -0.02 min

Lab File: VF062246.D

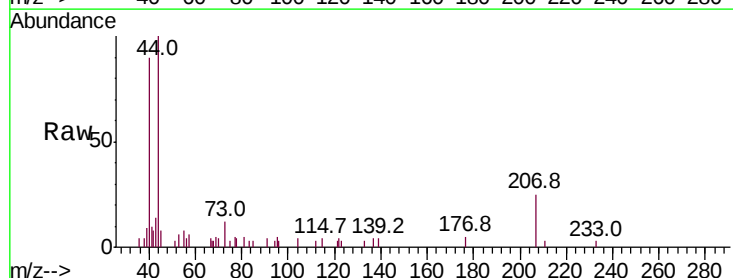
Acq: 22 Apr 2019 15:56

Tgt Ion: 75 Resp: 60

Ion Ratio Lower Upper

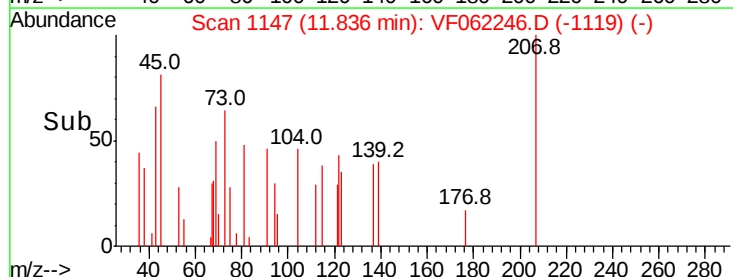
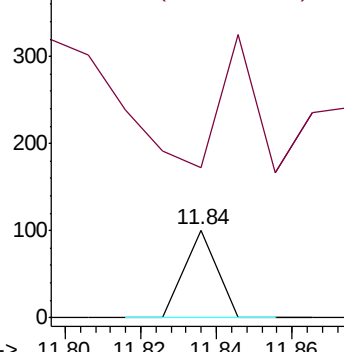
75 100

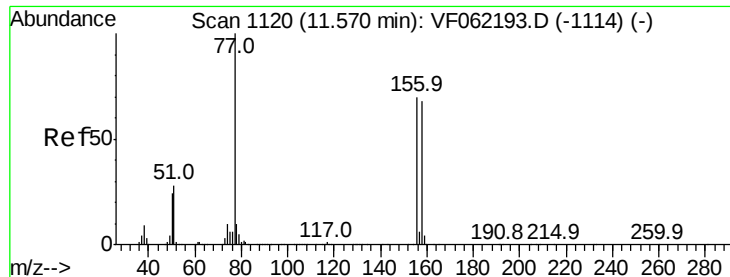
77 223.3 7.4 22.2#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 56.639 ug/l

RT: 11.56 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

TP-TRACK-8-9RE

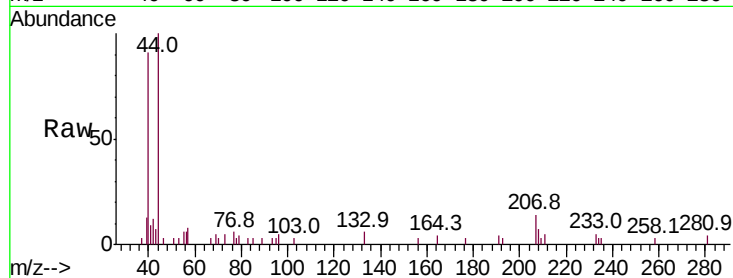
Tot Ion:156 Resp: 74

Ion Ratio Lower Upper

156 100

77 381.1 80.9 242.7#

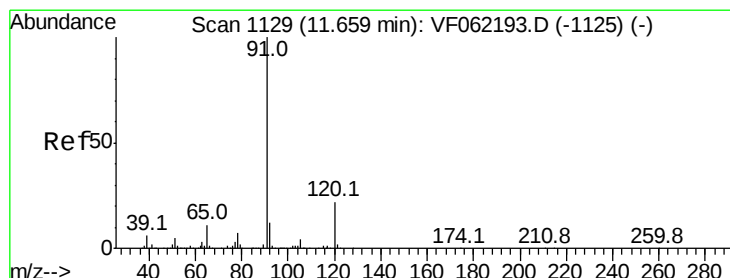
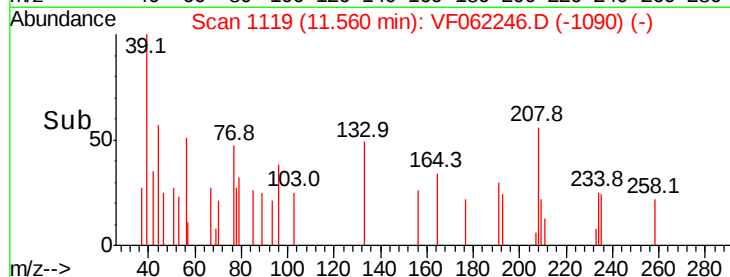
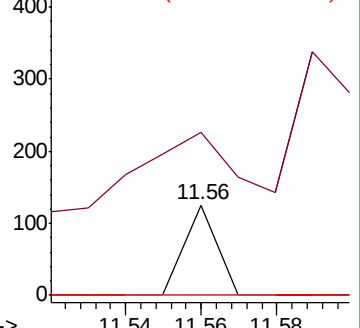
158 0.0 49.8 149.4#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 32.018 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VF062246.D

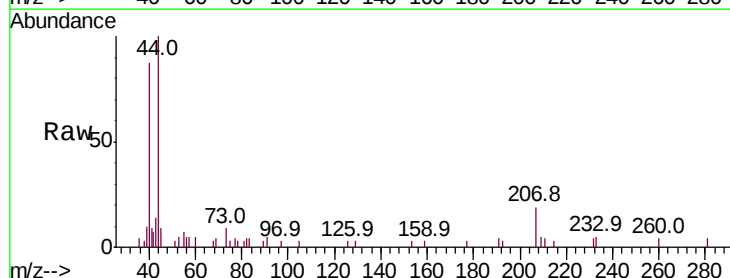
Acq: 22 Apr 2019 15:56

Tgt Ion: 91 Resp: 206

Ion Ratio Lower Upper

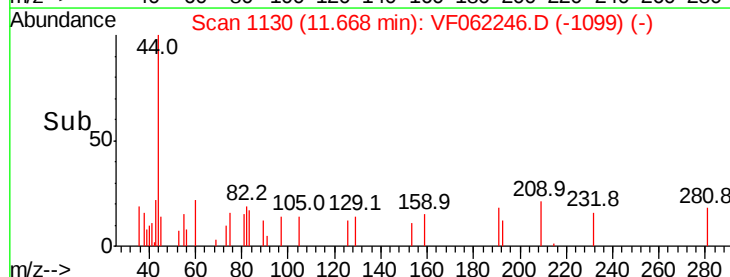
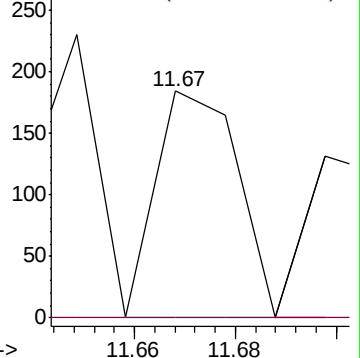
91 100

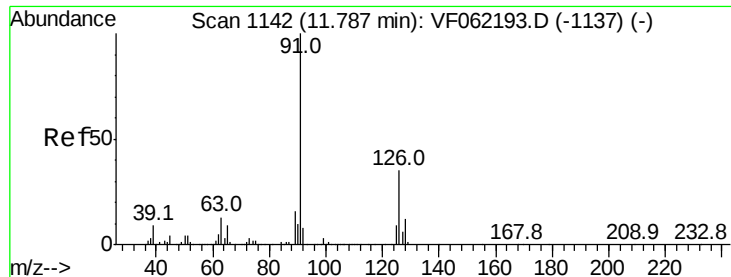
120 0.0 11.2 33.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 104.285 ug/l

RT: 11.84 min Scan# 1147

Delta R.T. 0.05 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

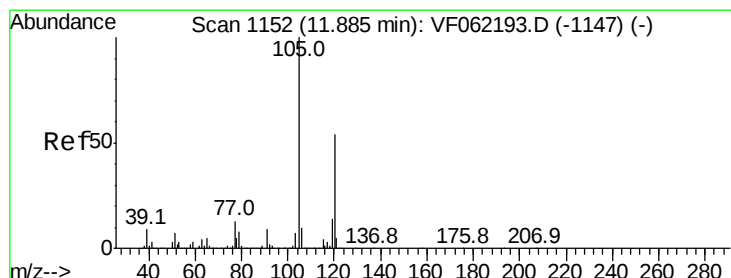
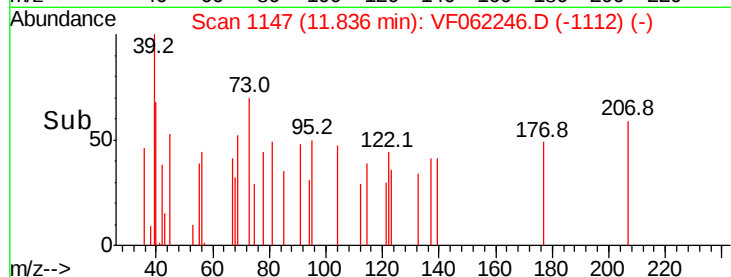
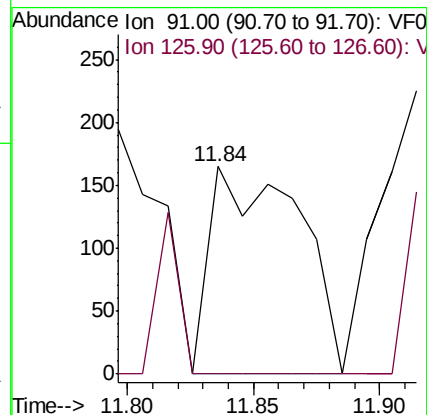
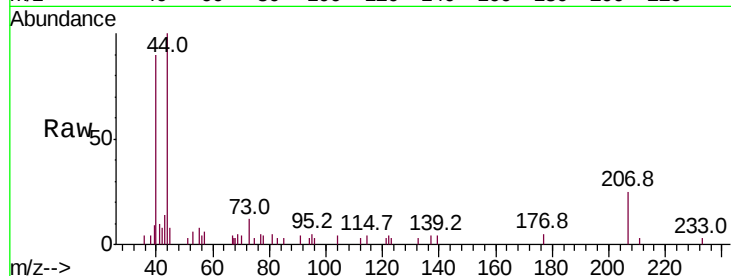
TP-TRACK-8-9RE

Tot Ion: 91 Resp: 407

Ion Ratio Lower Upper

91 100

126 18.7 16.9 50.6



#80

1,3,5-Trimethylbenzene

Concen: 50.397 ug/l

RT: 11.92 min Scan# 1156

Delta R.T. 0.04 min

Lab File: VF062246.D

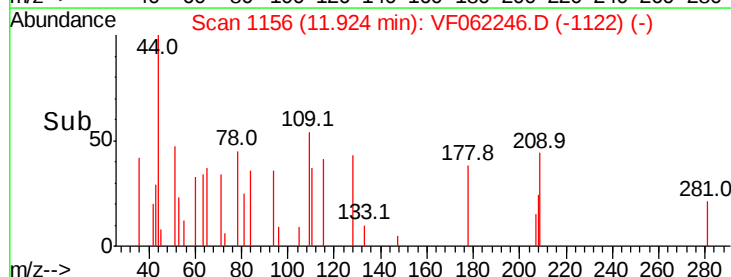
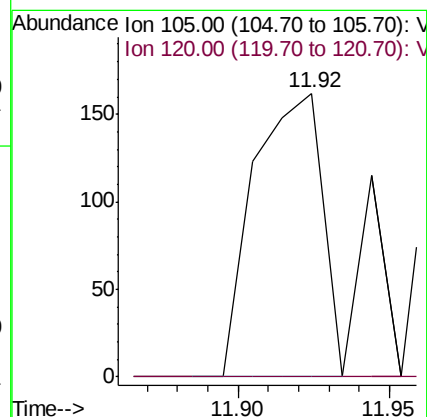
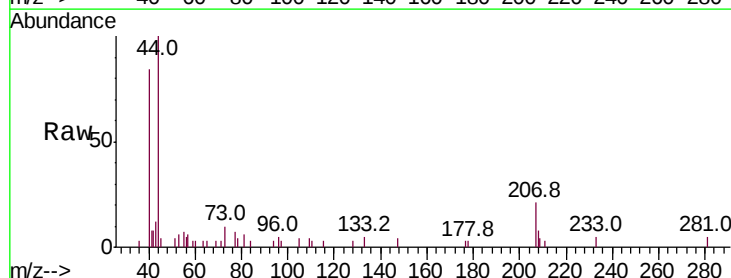
Acq: 22 Apr 2019 15:56

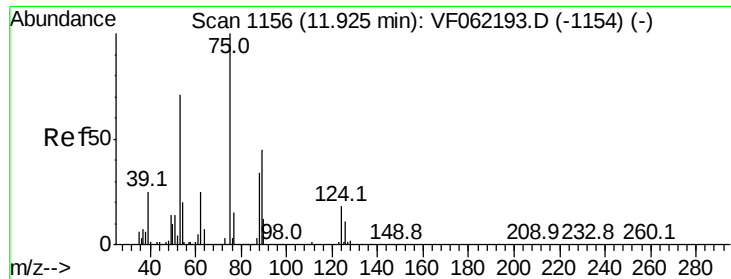
Tgt Ion:105 Resp: 256

Ion Ratio Lower Upper

105 100

120 0.0 26.2 78.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 184.768 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

TP-TRACK-8-9RE

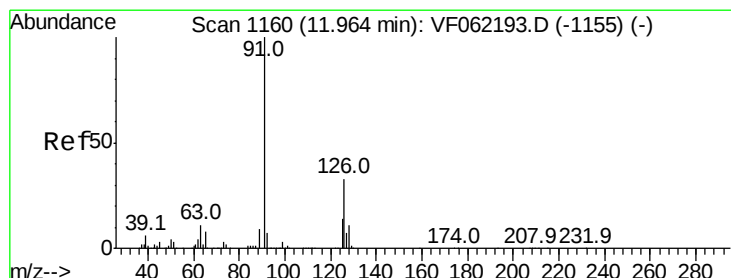
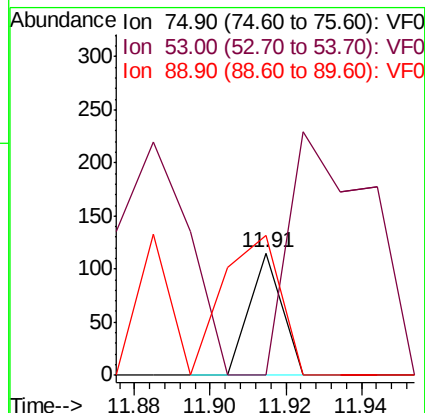
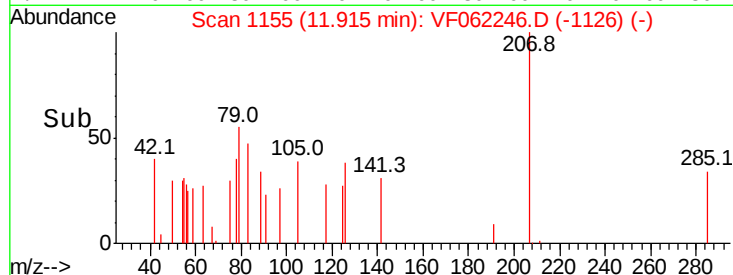
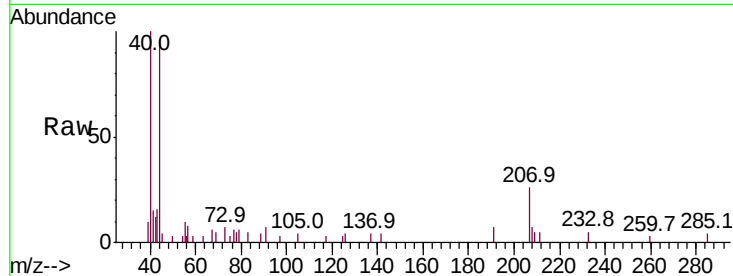
Tot Ion: 75 Resp: 68

Ion Ratio Lower Upper

75 100

53 502.9 50.2 75.4#

89 202.9 0.0 0.0#



#82

4-Chlorotoluene

Concen: 77.418 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. -0.05 min

Lab File: VF062246.D

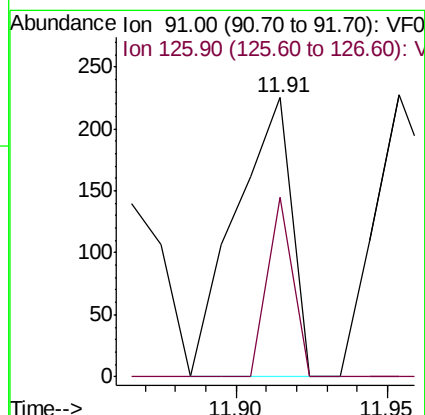
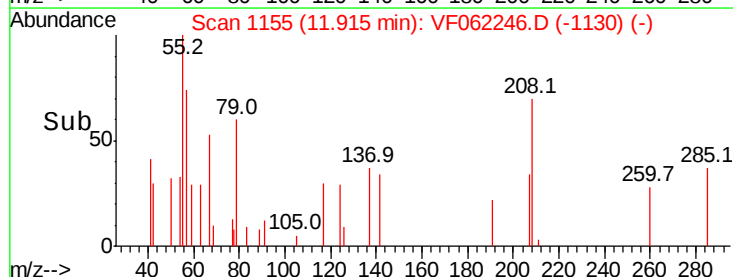
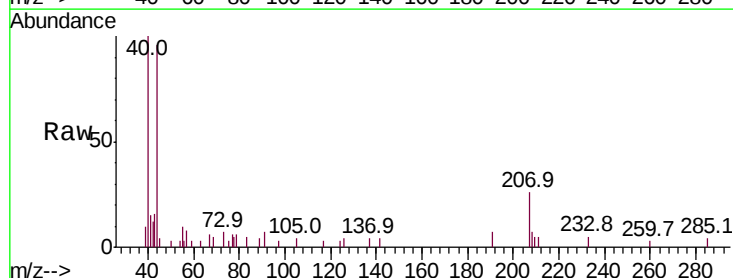
Acq: 22 Apr 2019 15:56

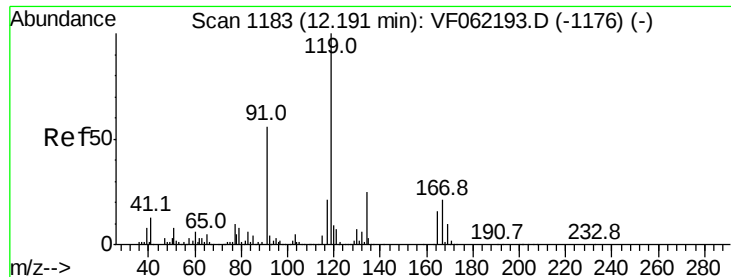
Tgt Ion: 91 Resp: 292

Ion Ratio Lower Upper

91 100

126 29.5 16.9 50.6





#83

tert-Butylbenzene

Concen: 11.612 ug/l

RT: 12.22 min Scan# 1186

Delta R.T. 0.03 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

TP-TRACK-8-9RE

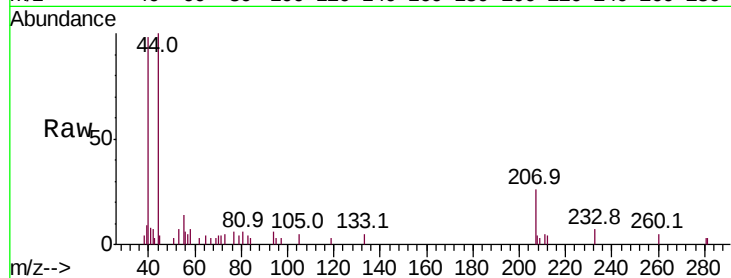
Tot Ion:119 Resp: 61

Ion Ratio Lower Upper

119 100

91 124.6 29.4 88.2#

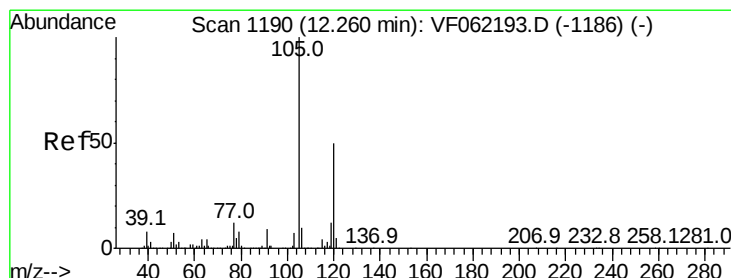
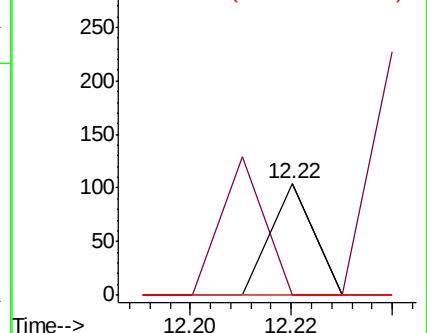
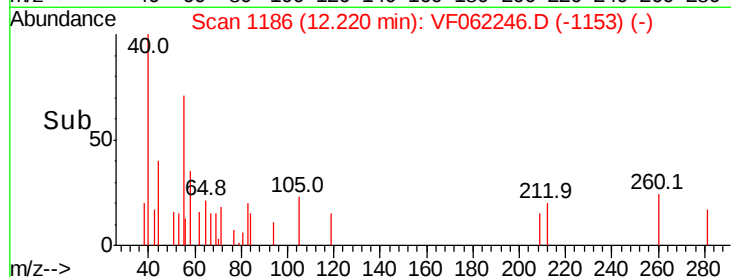
134 0.0 11.8 35.3#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 31.329 ug/l

RT: 12.25 min Scan# 1189

Delta R.T. -0.01 min

Lab File: VF062246.D

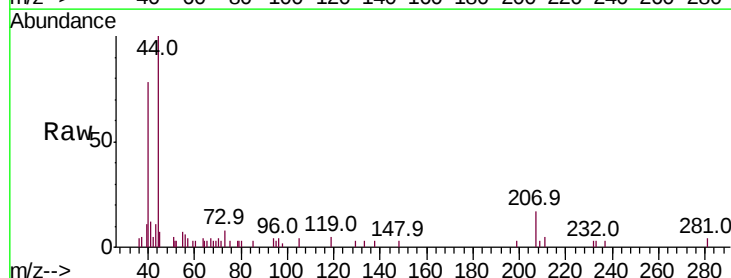
Acq: 22 Apr 2019 15:56

Tgt Ion:105 Resp: 154

Ion Ratio Lower Upper

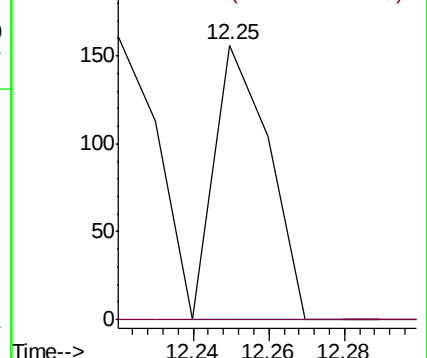
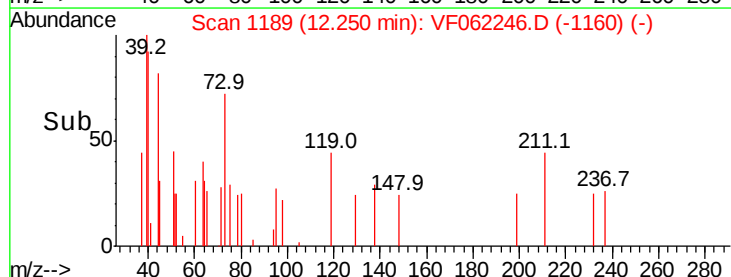
105 100

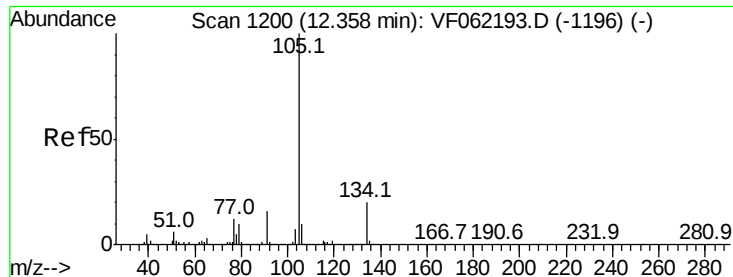
120 0.0 24.0 72.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 78.008 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.02 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

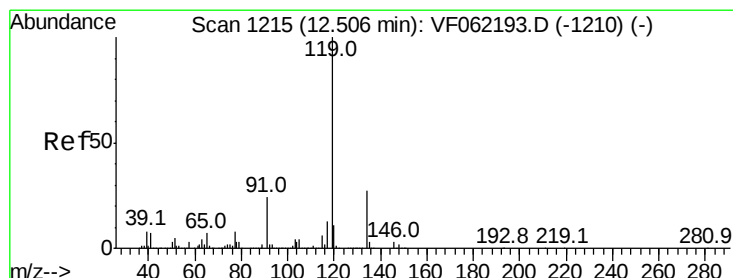
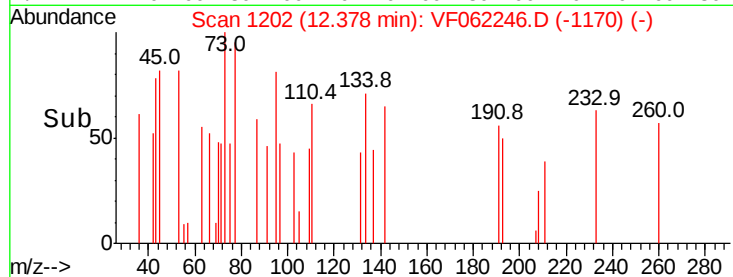
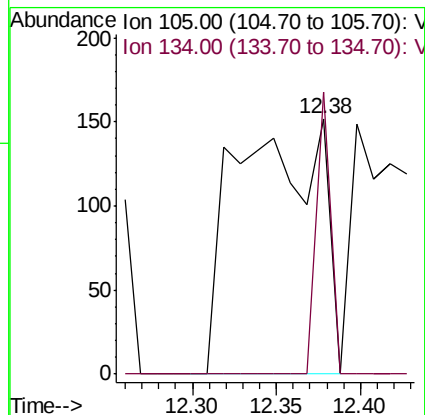
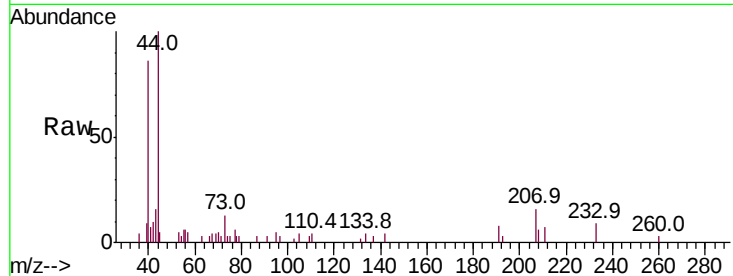
TP-TRACK-8-9RE

Tot Ion:105 Resp: 532

Ion Ratio Lower Upper

105 100

134 18.6 9.7 29.1



#86

p-Isopropyltoluene

Concen: 28.867 ug/l

RT: 12.49 min Scan# 1213

Delta R.T. -0.02 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

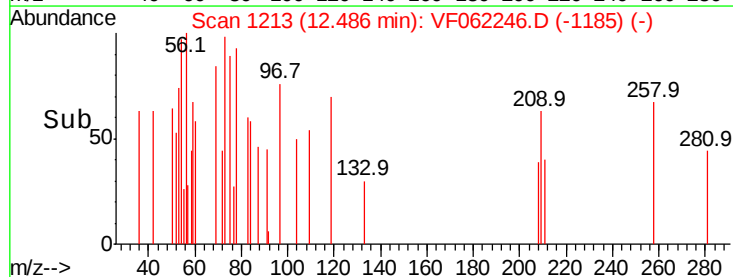
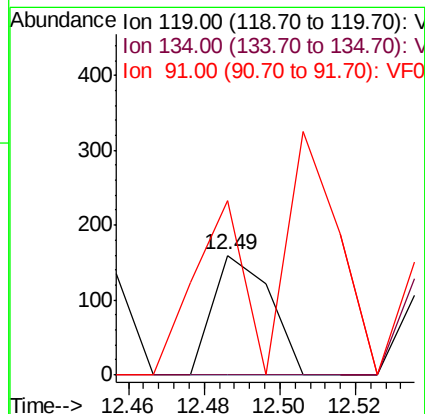
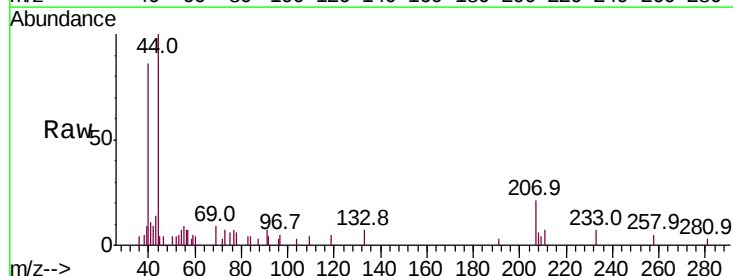
Tgt Ion:119 Resp: 167

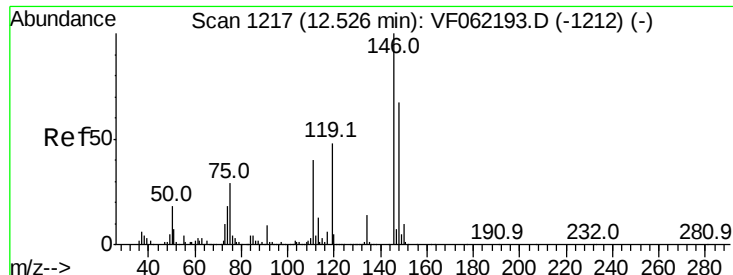
Ion Ratio Lower Upper

119 100

134 0.0 13.2 39.5#

91 126.3 11.7 35.1#

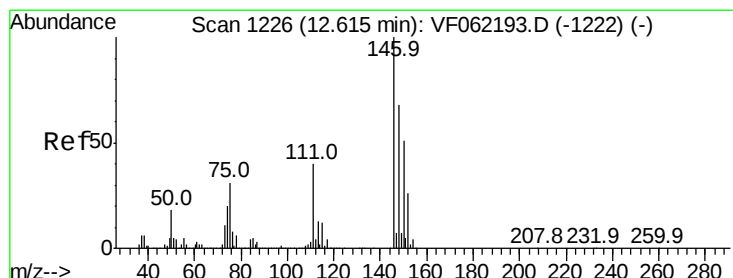
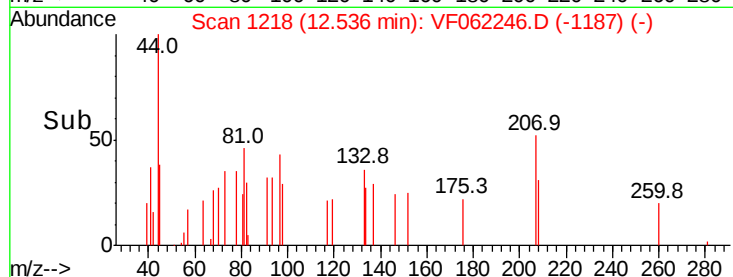
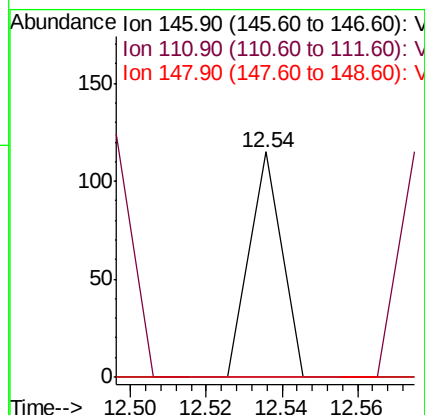
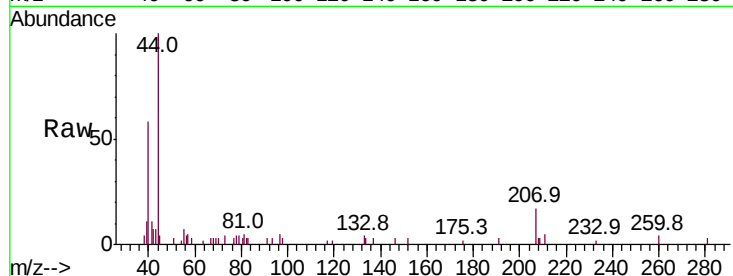




#87
 1,3-Dichlorobenzene
 Concen: 28.047 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF062246.D
 Acq: 22 Apr 2019 15:56

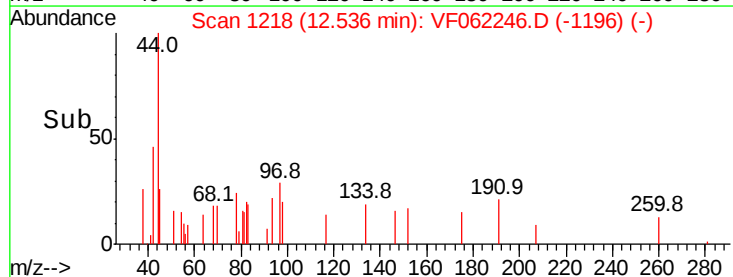
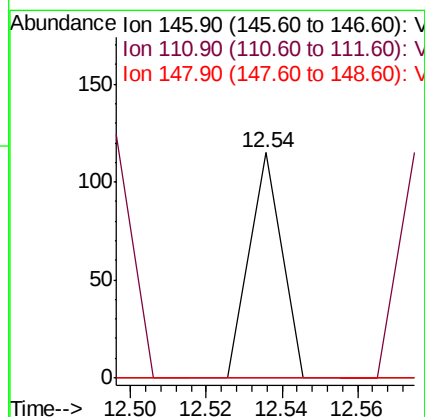
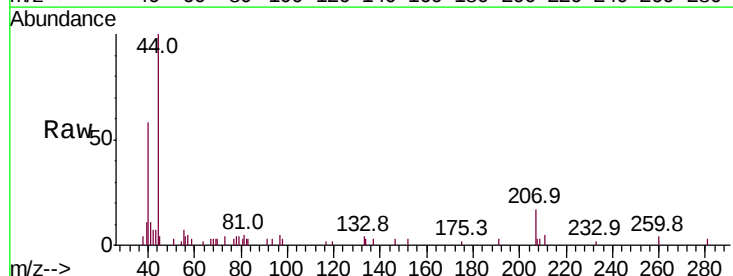
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-TRACK-8-9RE

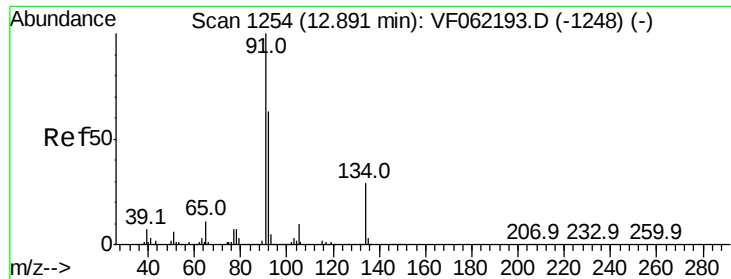
Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.7	59.0#
148	0.0	32.9	98.6#



#88
 1,4-Dichlorobenzene
 Concen: 29.078 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.08 min
 Lab File: VF062246.D
 Acq: 22 Apr 2019 15:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.0	60.0#
148	0.0	33.6	100.8#





#89

n-Butylbenzene

Concen: 100.921 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

TP-TRACK-8-9RE

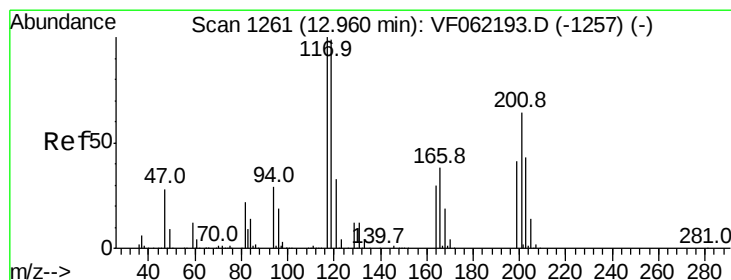
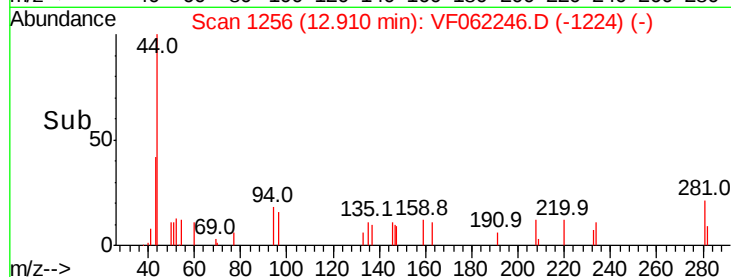
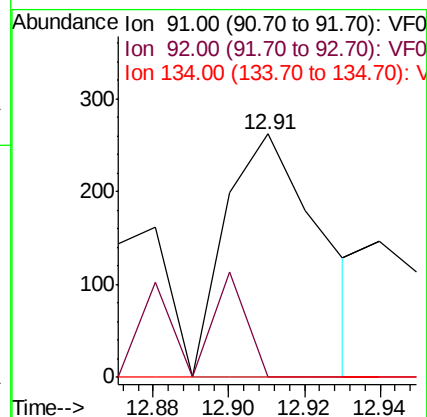
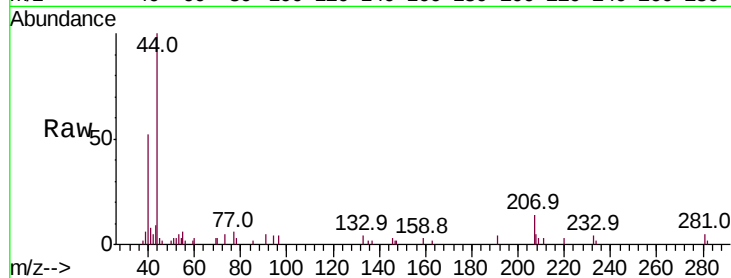
Tot Ion: 91 Resp: 455

Ion Ratio Lower Upper

91 100

92 27.9 31.2 93.6#

134 0.0 13.1 39.1#



#90

Hexachloroethane

Concen: 101.646 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.04 min

Lab File: VF062246.D

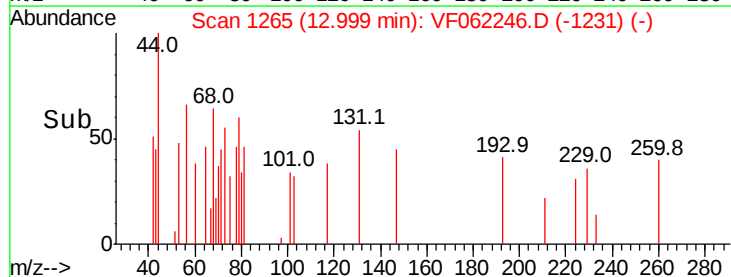
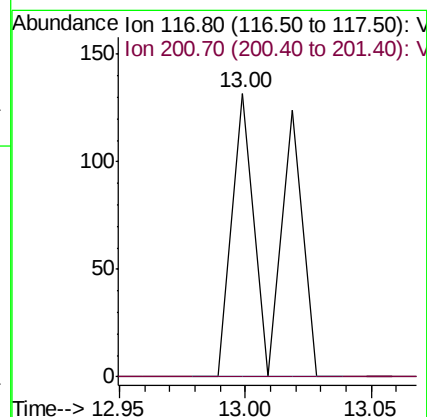
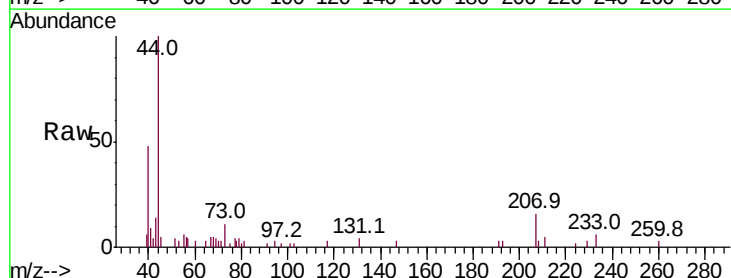
Acq: 22 Apr 2019 15:56

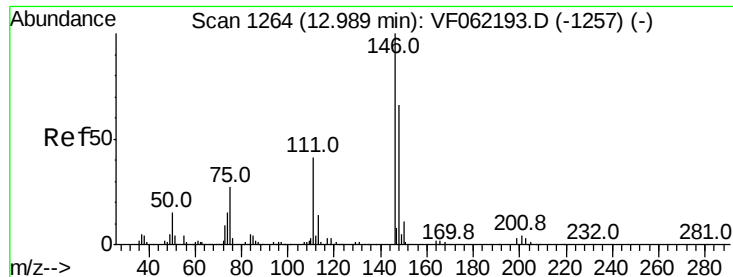
Tgt Ion: 117 Resp: 151

Ion Ratio Lower Upper

117 100

201 0.0 37.7 113.1#





#91

1,2-Dichlorobenzene

Concen: 28.192 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.02 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

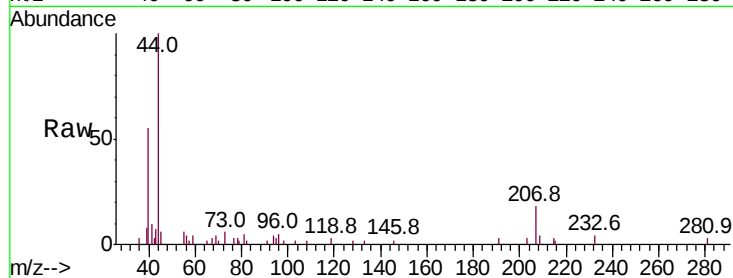
Instrument :

MSVOA_F

ClientSampleId :

TP-TRACK-8-9RE

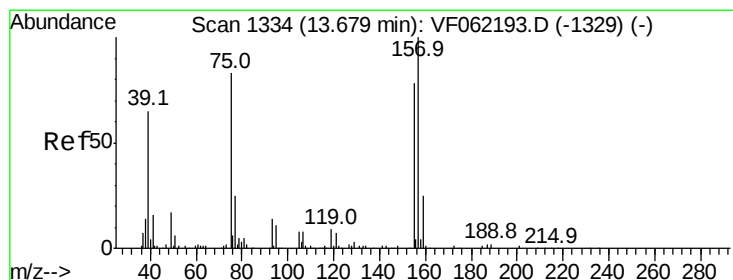
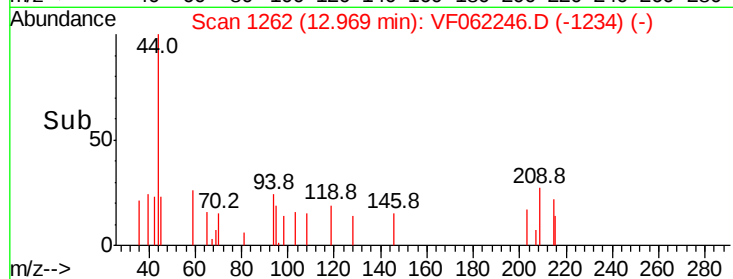
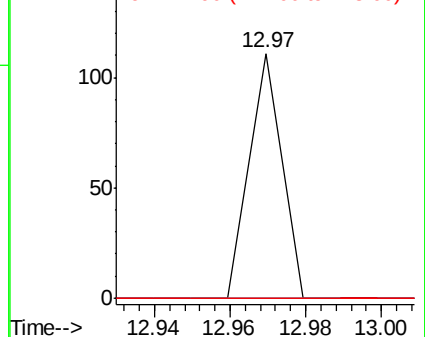
Tot Ion:	146	Resp:	66
Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.8	62.5#
148	0.0	33.0	99.0#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 291.155 ug/l

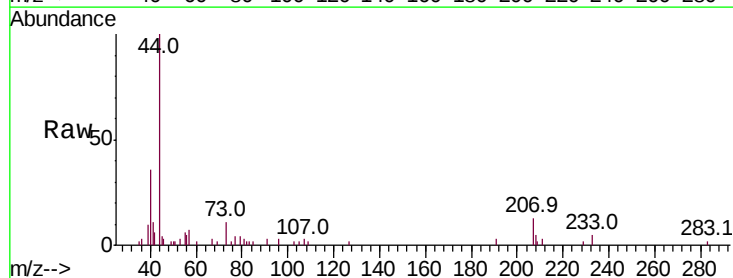
RT: 13.66 min Scan# 1332

Delta R.T. -0.02 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

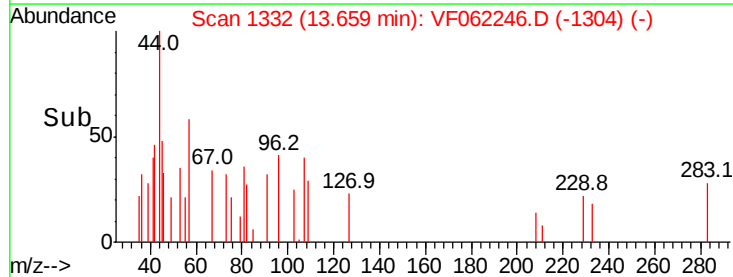
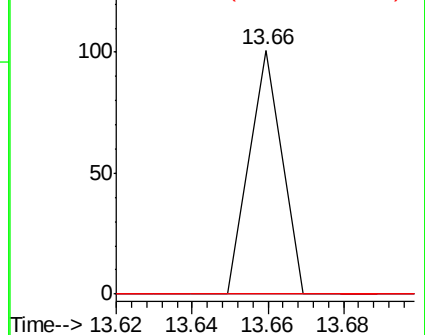
Tgt Ion:	75	Resp:	60
Ion	Ratio	Lower	Upper
75	100		
155	0.0	47.6	142.8#
157	0.0	61.3	183.9#

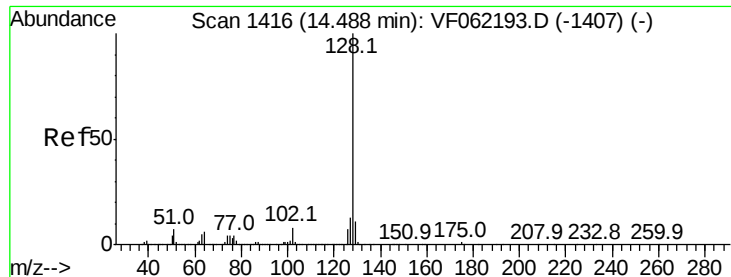


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 75.915 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.03 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

TP-TRACK-8-9RE

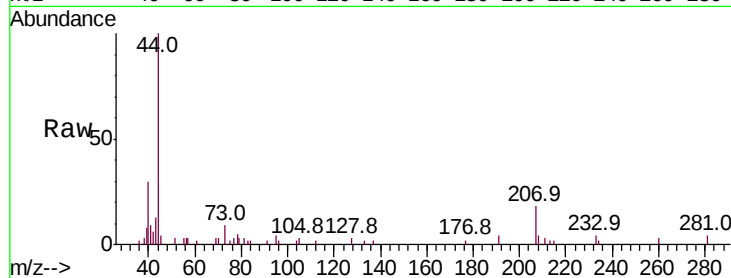
Tot Ion:128 Resp: 260

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

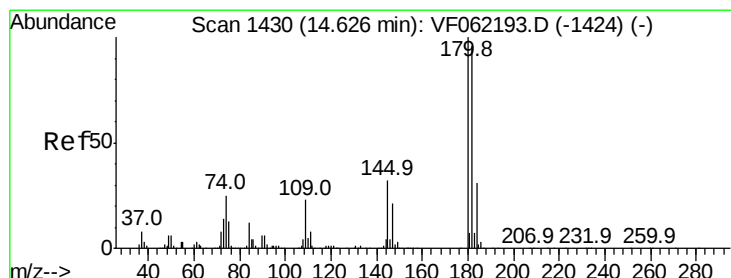
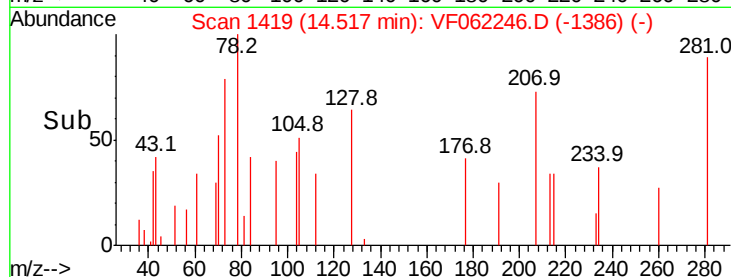
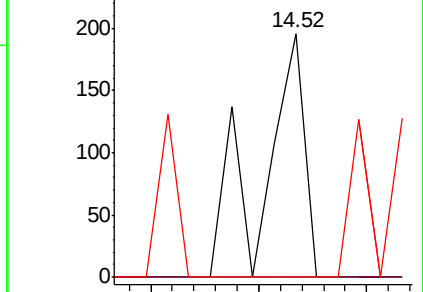
129 0.0 9.2 13.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 32.439 ug/l

RT: 14.57 min Scan# 1424

Delta R.T. -0.06 min

Lab File: VF062246.D

Acq: 22 Apr 2019 15:56

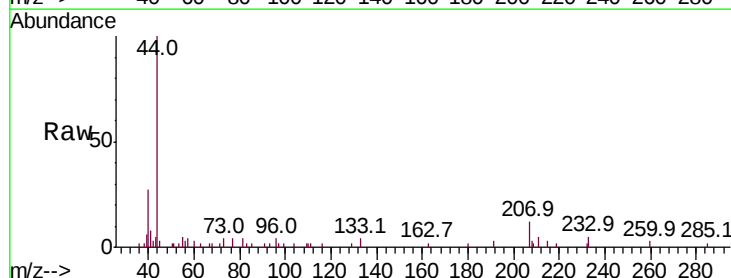
Tgt Ion:180 Resp: 61

Ion Ratio Lower Upper

180 100

182 0.0 48.4 145.3#

145 0.0 15.6 46.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

