

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022819\
 Data File : VF061794.D
 Acq On : 28 Feb 2019 18:21
 Operator : VA/AP
 Sample : K1349-15
 Misc : 7.62g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-022719-B

Quant Time: Mar 01 00:20:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	309012	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	458818	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	376718	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	191396	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	119564	52.76	ug/l	-0.03
Spiked Amount			Recovery	=	105.52%	
35) Dibromofluoromethane	4.10	113	169175	49.65	ug/l	-0.02
Spiked Amount			Recovery	=	99.30%	
50) Toluene-d8	7.54	98	400641	40.90	ug/l	-0.02
Spiked Amount			Recovery	=	81.80%	
62) 4-Bromofluorobenzene	11.39	95	160188	40.42	ug/l	-0.02
Spiked Amount			Recovery	=	80.84%	

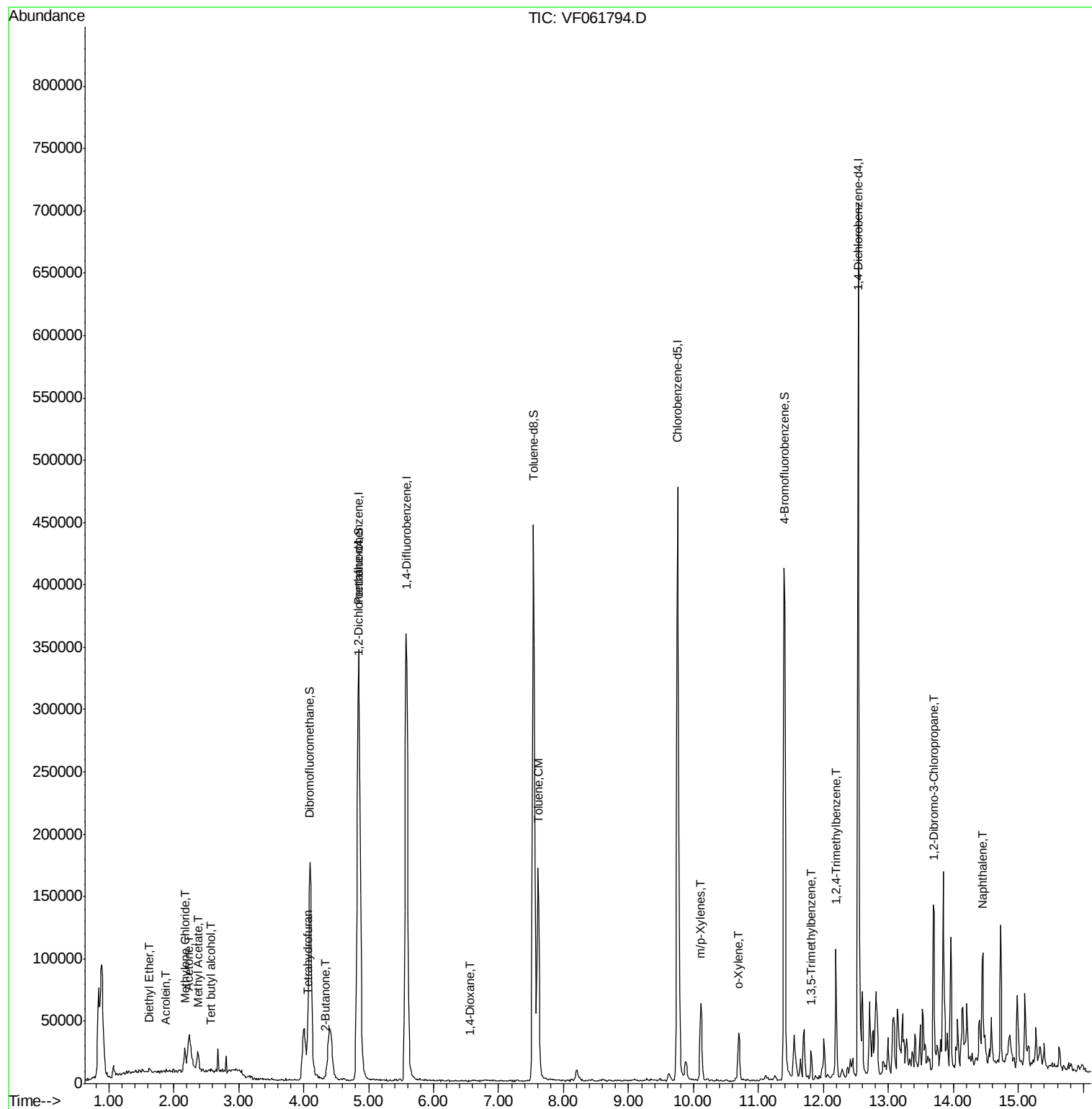
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.63	74	1107	1.052	ug/l	67
11) Tert butyl alcohol	2.58	59	226	1.723	ug/l #	1
13) Acrolein	1.87	56	335	2.032	ug/l	89
16) Acetone	2.22	43	22515	46.309	ug/l #	77
18) Methyl Acetate	2.36	43	4887	4.462	ug/l #	82
20) Methylene Chloride	2.17	84	9503	1.187	ug/l	93
25) 2-Butanone	4.32	43	3133	2.950	ug/l #	82
29) Tetrahydrofuran	4.05	42	539	1.117	ug/l #	33
49) 1,4-Dioxane	6.55	88	76	5.376	ug/l #	20
52) Toluene	7.61	92	101832	14.123	ug/l	99
68) m/p-Xylenes	10.11	106	22448	4.614	ug/l	97
69) o-Xylene	10.69	106	12130	2.336	ug/l	84
80) 1,3,5-Trimethylbenzene	11.81	105	12515	1.149	ug/l	88
84) 1,2,4-Trimethylbenzene	12.19	105	48372	4.470	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	13.70	75	467	1.207	ug/l #	1
95) Naphthalene	14.44	128	30123	3.848	ug/l #	93

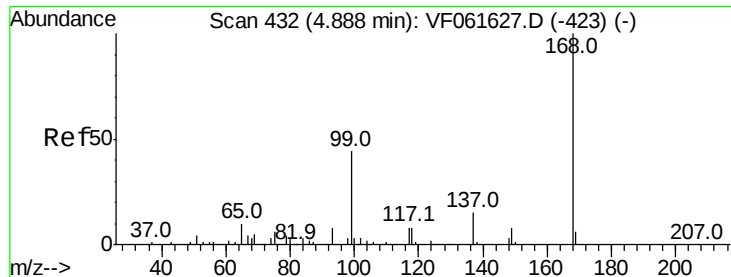
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022819\
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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.03 min

Lab File: VF061794.D

Acq: 28 Feb 2019 18:21

Instrument :

MSVOA_F

ClientSampleId :

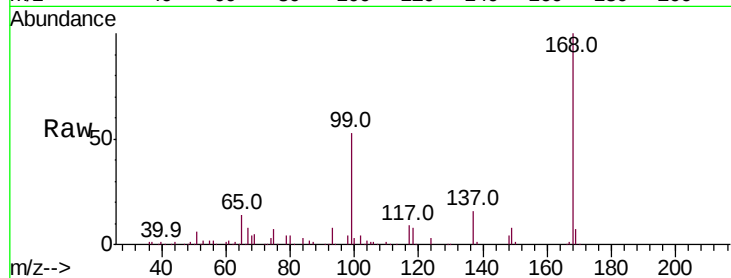
OR-03-022719-B

Tot Ion:168 Resp: 309012

Ion Ratio Lower Upper

168 100

99 52.5 34.9 52.3#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

100000

80000

60000

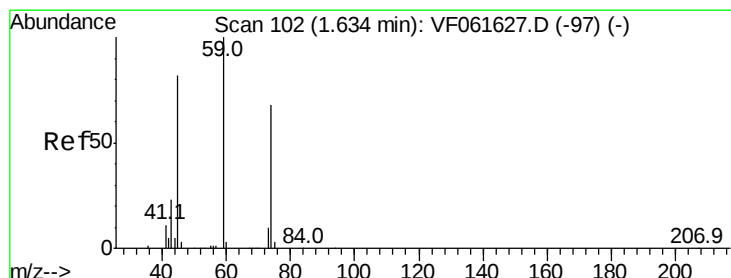
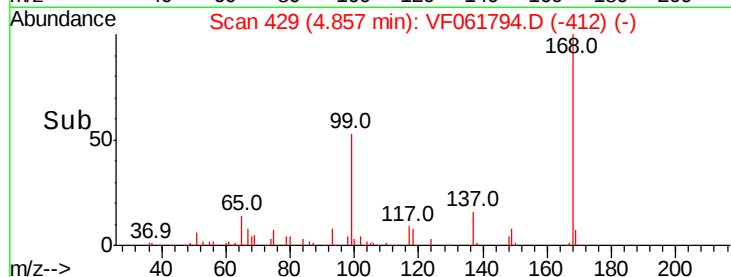
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#8

Diethyl Ether

Concen: 1.052 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.00 min

Lab File: VF061794.D

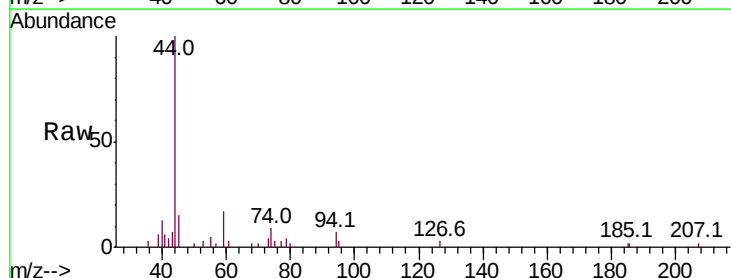
Acq: 28 Feb 2019 18:21

Tgt Ion: 74 Resp: 1107

Ion Ratio Lower Upper

74 100

45 158.8 60.8 182.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.63

1000

800

600

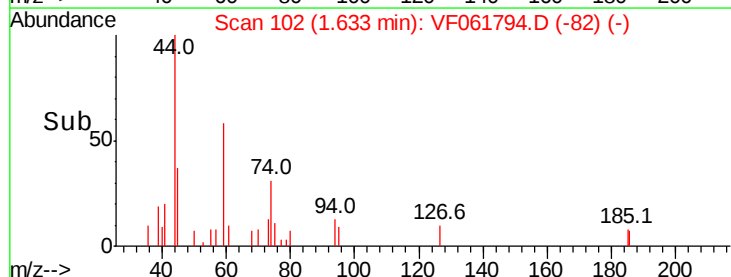
400

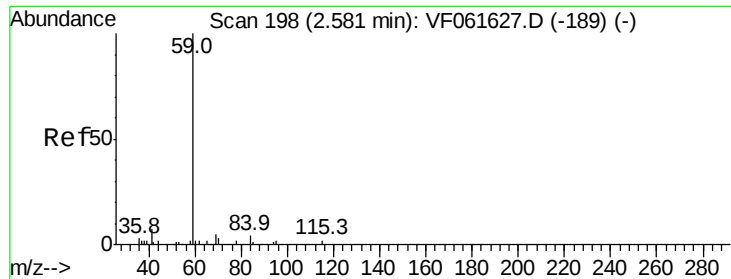
200

0

Time-->

1.55 1.60 1.65 1.70



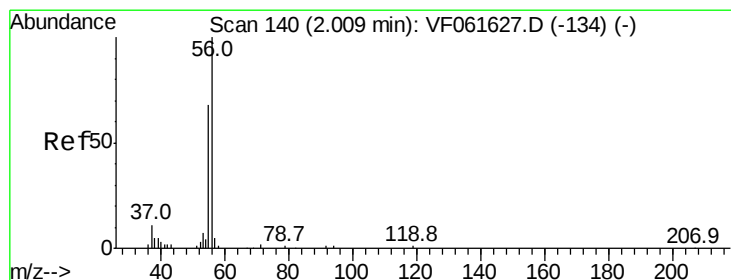
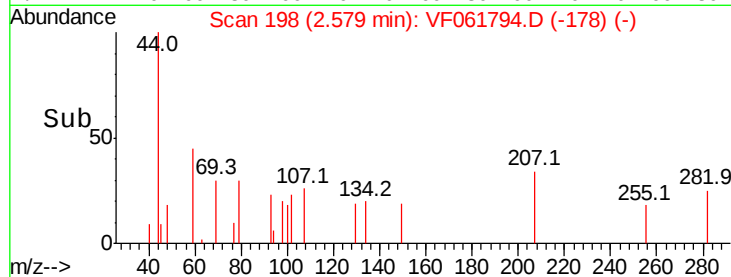
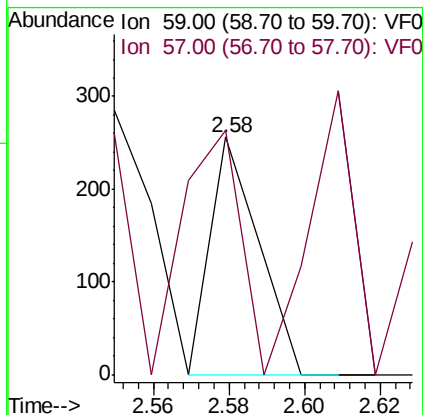
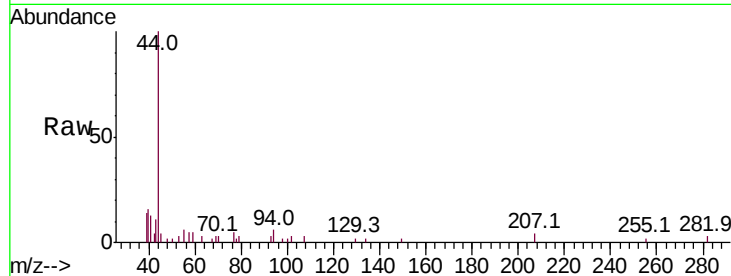


#11

Tert butyl alcohol
 Concen: 1.723 ug/l
 RT: 2.58 min Scan# 198
 Delta R.T. -0.00 min
 Lab File: VF061794.D
 Acq: 28 Feb 2019 18:21

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-022719-B

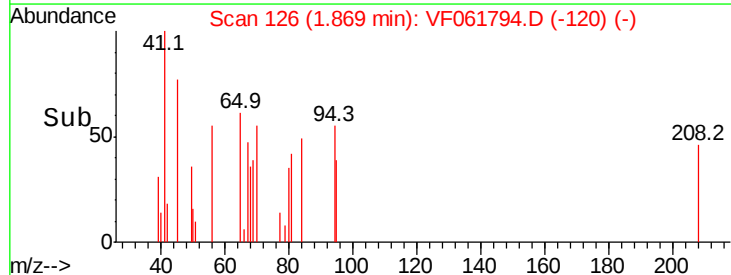
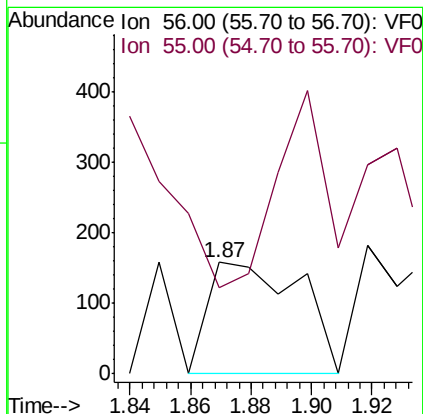
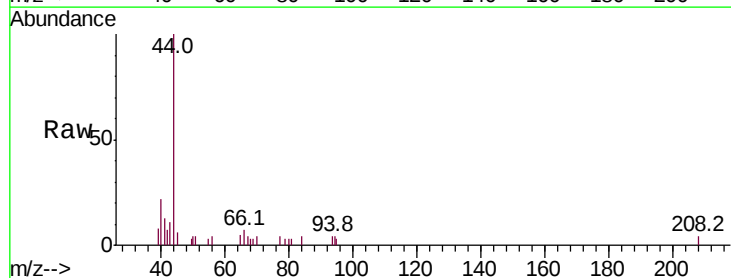
Tot Ion: 59 Resp: 226
 Ion Ratio Lower Upper
 59 100
 57 103.1 12.5 18.7#

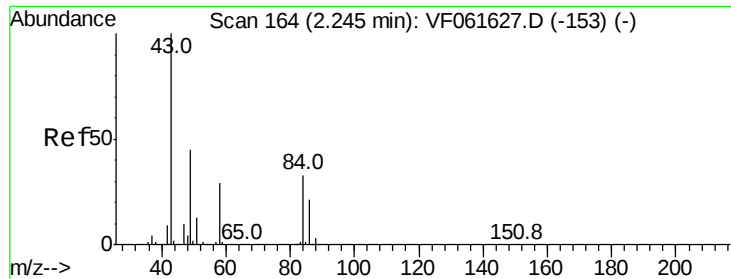


#13

Acrolein
 Concen: 2.032 ug/l
 RT: 1.87 min Scan# 126
 Delta R.T. -0.14 min
 Lab File: VF061794.D
 Acq: 28 Feb 2019 18:21

Tgt Ion: 56 Resp: 335
 Ion Ratio Lower Upper
 56 100
 55 77.8 55.0 82.6





#16

Acetone

Concen: 46.309 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF061794.D

Acq: 28 Feb 2019 18:21

Instrument :

MSVOA_F

ClientSampleId :

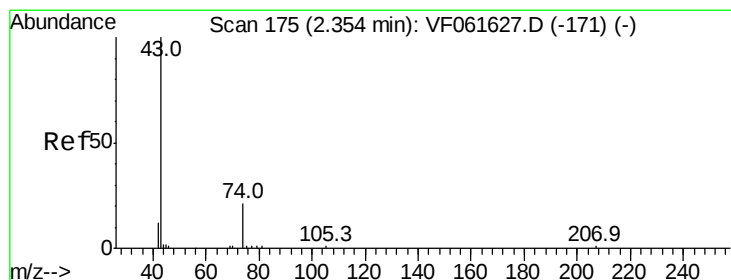
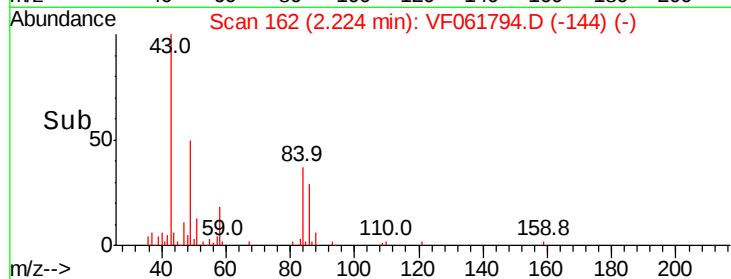
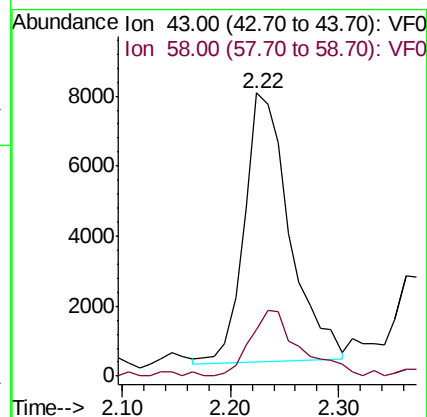
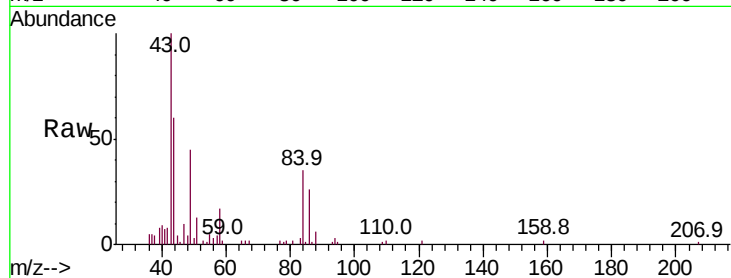
OR-03-022719-B

Tot Ion: 43 Resp: 22515

Ion Ratio Lower Upper

43 100

58 16.6 22.9 34.3#



#18

Methyl Acetate

Concen: 4.462 ug/l

RT: 2.36 min Scan# 176

Delta R.T. 0.01 min

Lab File: VF061794.D

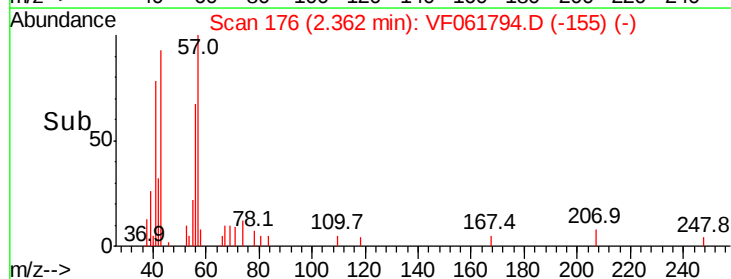
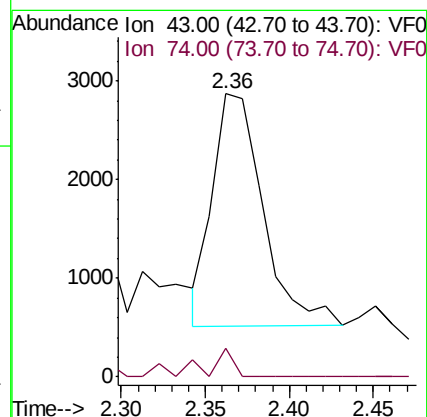
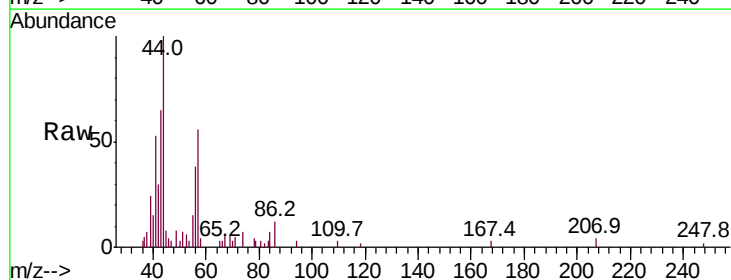
Acq: 28 Feb 2019 18:21

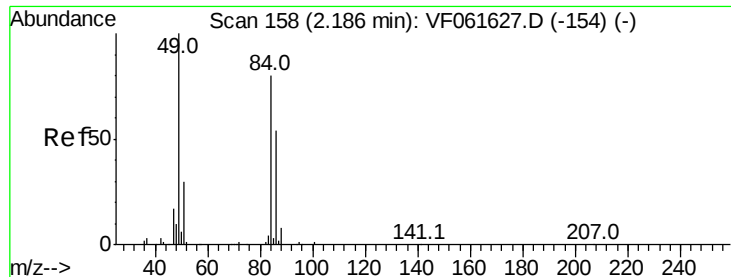
Tgt Ion: 43 Resp: 4887

Ion Ratio Lower Upper

43 100

74 10.3 14.6 21.8#

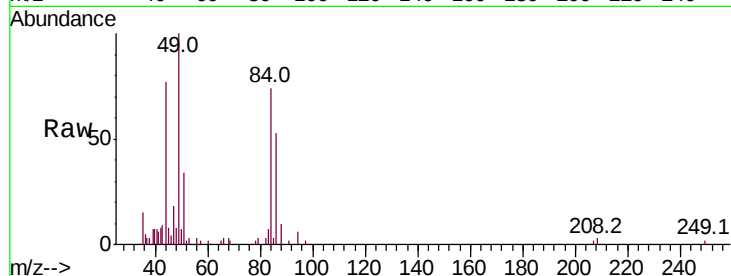




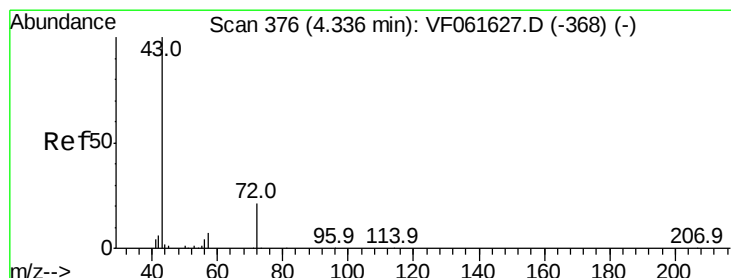
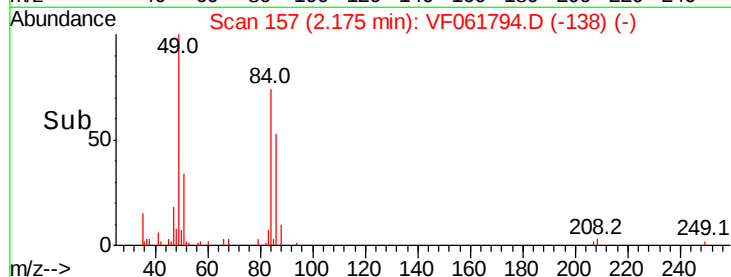
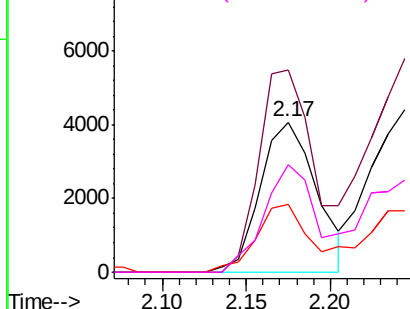
#20
Methvlene Chloride
Concen: 1.187 ug/l
RT: 2.17 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

Instrument :
MSVOA_F
ClientSampleId :
OR-03-022719-B

Tot Ion: 84 Resp: 9503
Ion Ratio Lower Upper
84 100
49 134.5 101.8 152.8
51 45.6 31.1 46.7
86 71.9 54.4 81.6

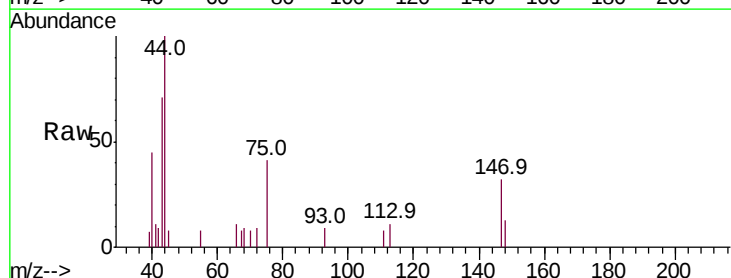


Abundance Ion 84.00 (83.70 to 84.70): VF0
Ion 49.00 (48.70 to 49.70): VF0
Ion 51.00 (50.70 to 51.70): VF0
Ion 86.00 (85.70 to 86.70): VF0

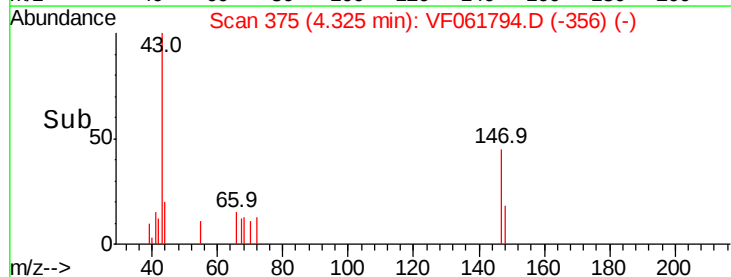
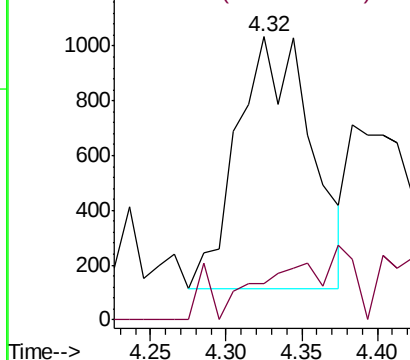


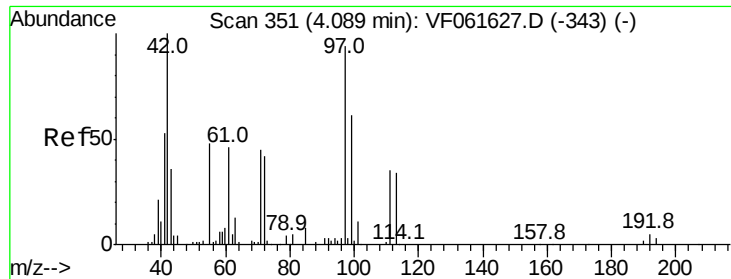
#25
2-Butanone
Concen: 2.950 ug/l
RT: 4.32 min Scan# 375
Delta R.T. -0.01 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

Tgt Ion: 43 Resp: 3133
Ion Ratio Lower Upper
43 100
72 12.8 17.1 25.7#



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





#29

Tetrahydrofuran

Concen: 1.117 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.04 min

Lab File: VF061794.D

Acq: 28 Feb 2019 18:21

Instrument :

MSVOA_F

ClientSampleId :

OR-03-022719-B

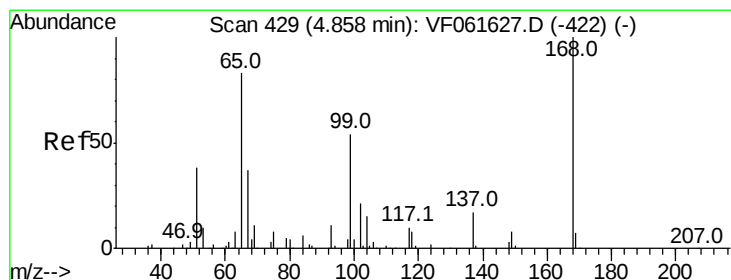
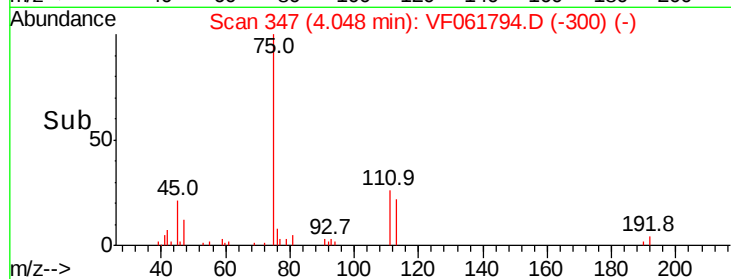
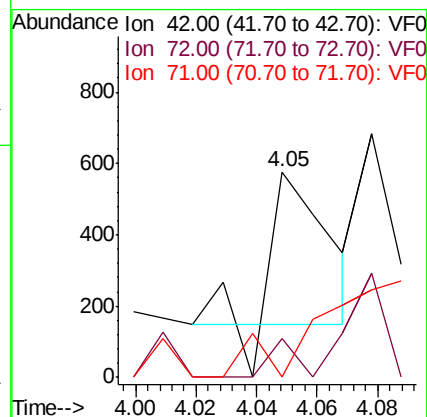
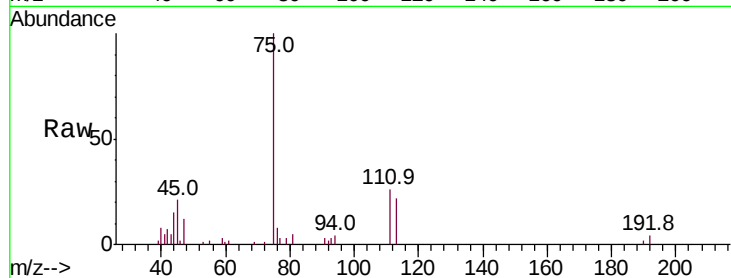
Tot Ion: 42 Resp: 539

Ion Ratio Lower Upper

42 100

72 0.0 35.2 52.8#

71 0.0 32.9 49.3#



#33

1,2-Dichloroethane-d4

Concen: 52.764 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.03 min

Lab File: VF061794.D

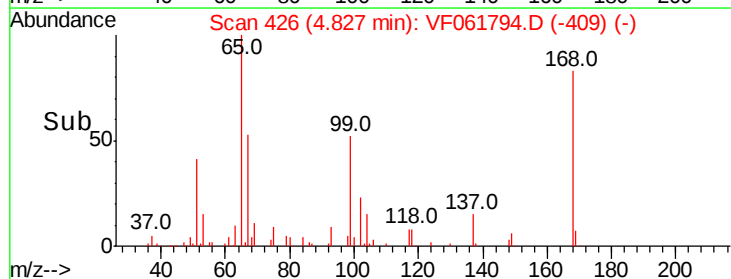
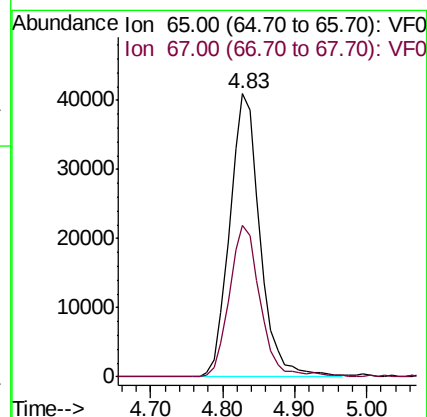
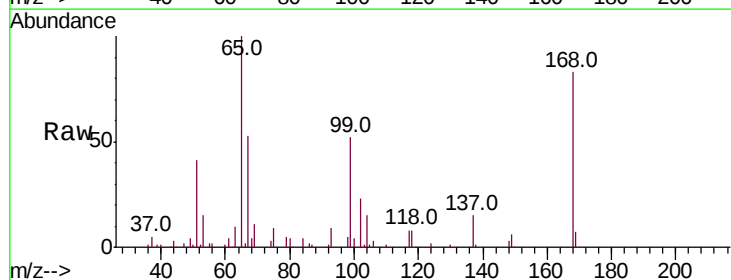
Acq: 28 Feb 2019 18:21

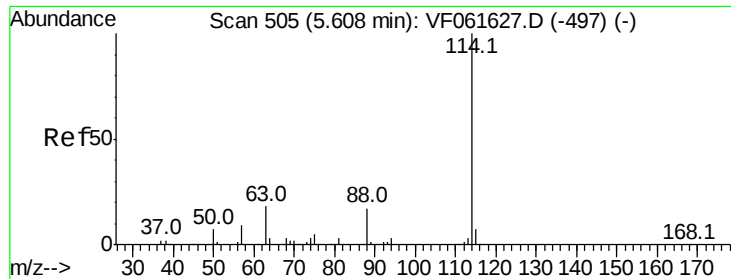
Tgt Ion: 65 Resp: 119564

Ion Ratio Lower Upper

65 100

67 53.4 0.0 104.0

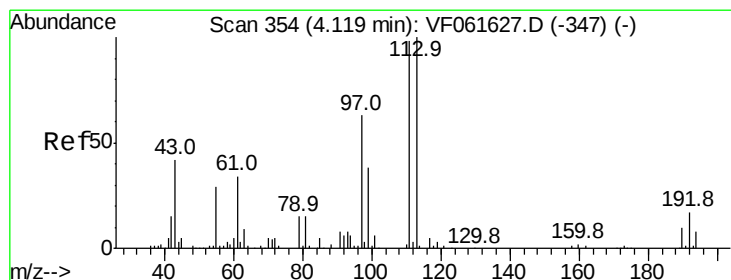
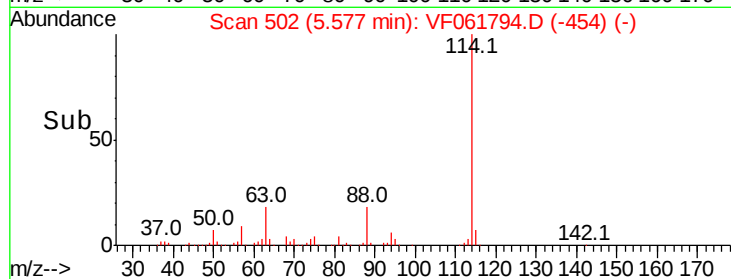
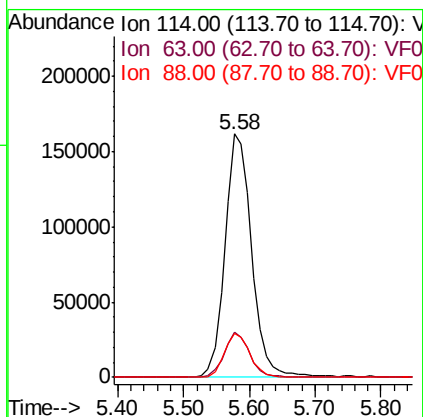
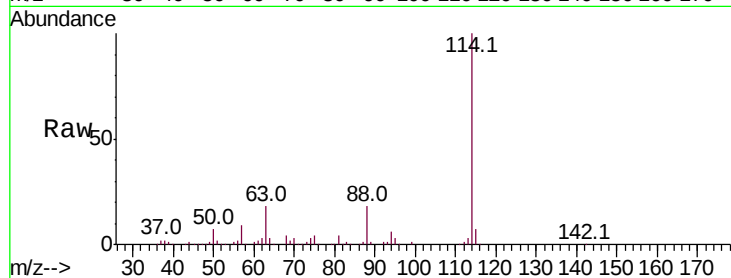




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.58 min Scan# 502
Delta R.T. -0.03 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

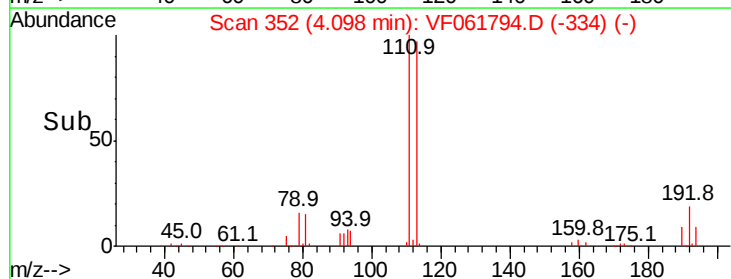
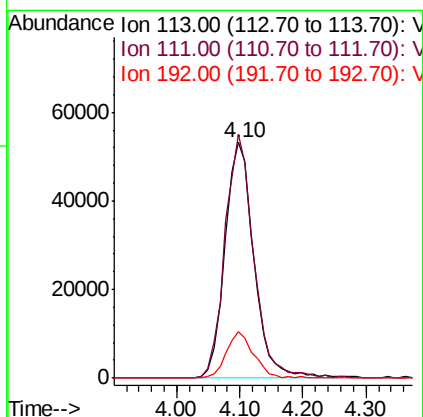
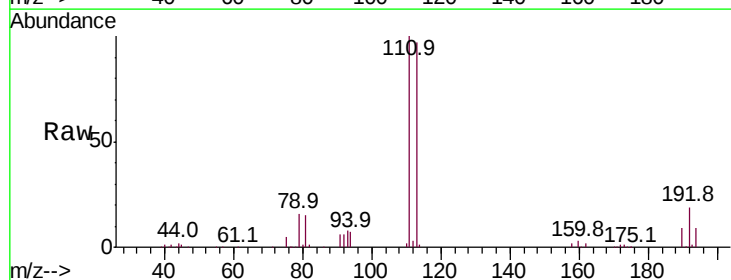
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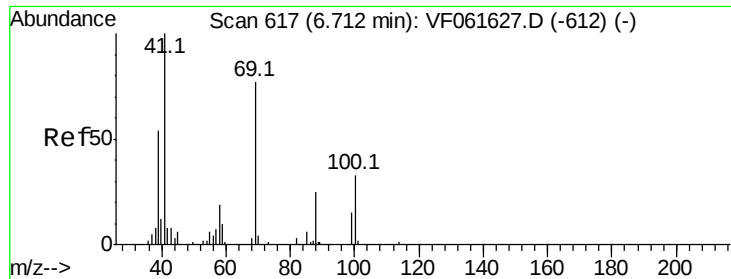
Tot Ion:114 Resp: 458818
Ion Ratio Lower Upper
114 100
63 18.4 0.0 36.6
88 18.3 0.0 34.4



#35
Dibromofluoromethane
Concen: 49.652 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.02 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

Tgt Ion:113 Resp: 169175
Ion Ratio Lower Upper
113 100
111 103.4 78.8 118.2
192 19.8 13.4 20.0

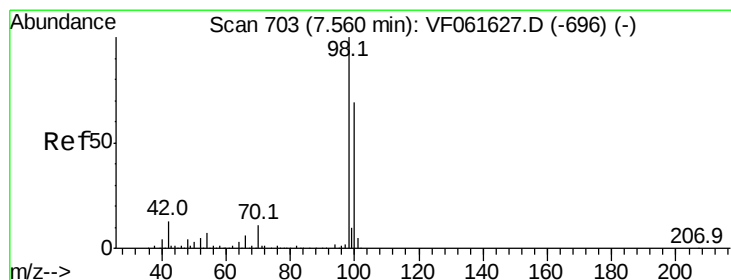
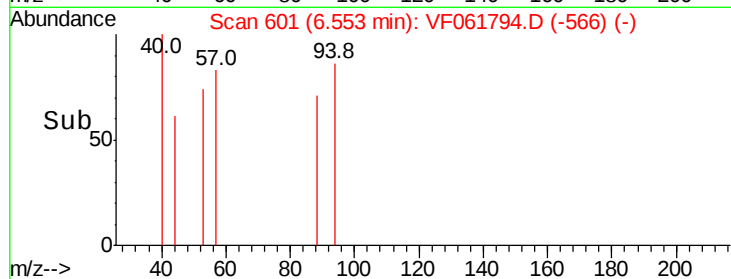
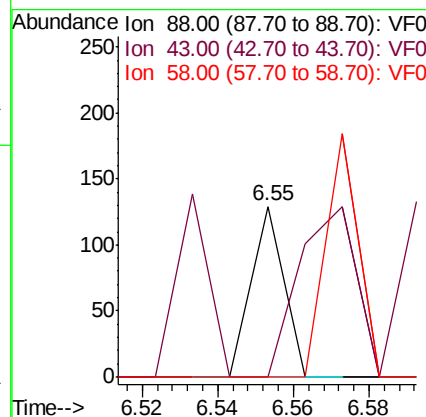
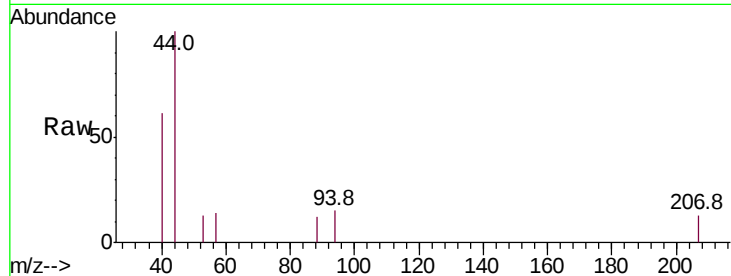




#49
1,4-Dioxane
Concen: 5.376 ug/l
RT: 6.55 min Scan# 601
Delta R.T. -0.16 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

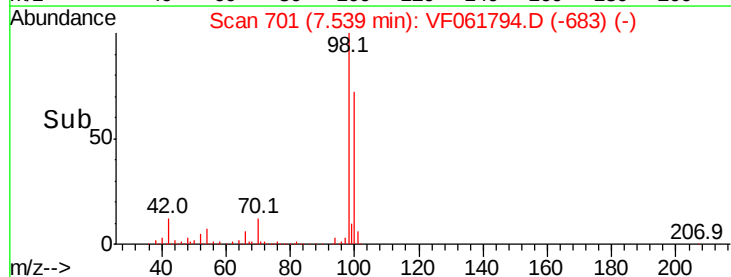
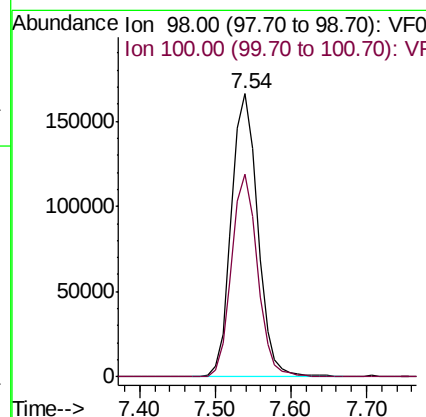
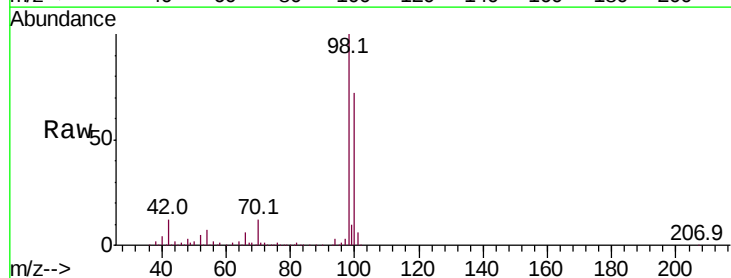
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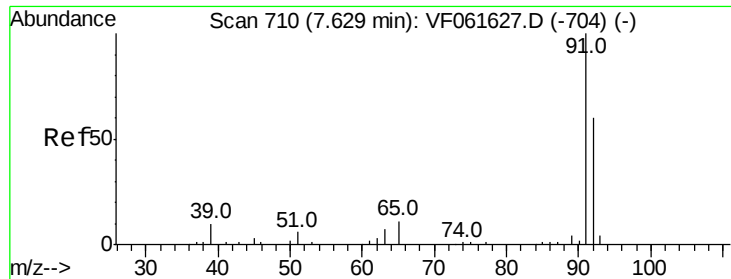
Tot Ion: 88 Resp: 76
Ion Ratio Lower Upper
88 100
43 0.0 32.3 48.5#
58 0.0 59.4 89.2#



#50
Toluene-d8
Concen: 40.904 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

Tgt Ion: 98 Resp: 400641
Ion Ratio Lower Upper
98 100
100 71.6 55.4 83.2





#52

Toluene

Concen: 14.123 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF061794.D

Acq: 28 Feb 2019 18:21

Instrument :

MSVOA_F

ClientSampleId :

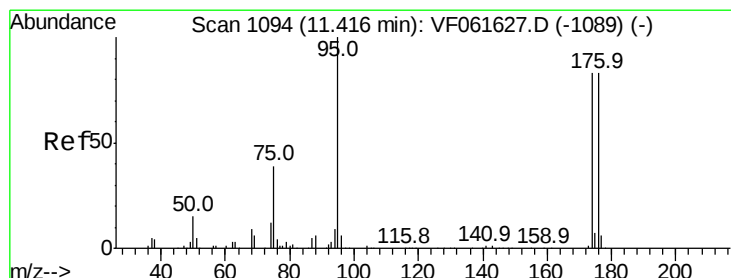
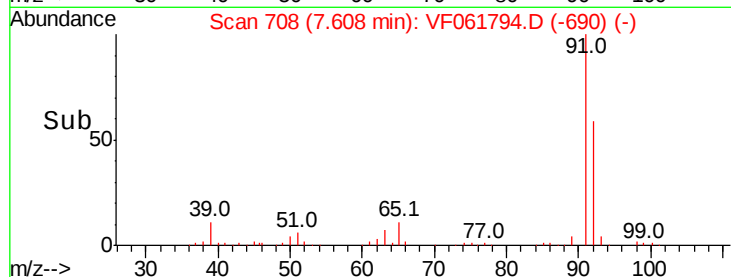
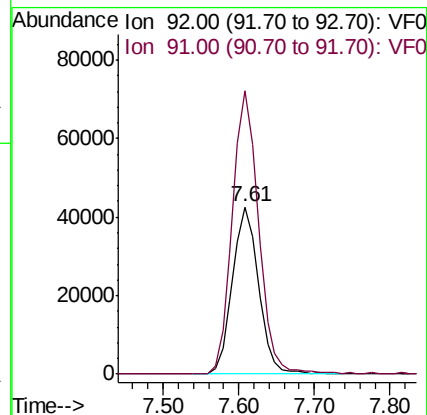
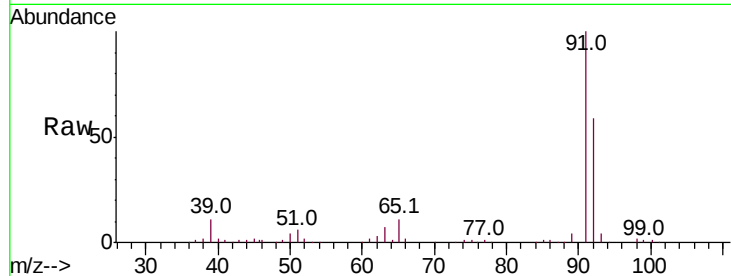
OR-03-022719-B

Tot Ion: 92 Resp: 101832

Ion Ratio Lower Upper

92 100

91 169.3 133.9 200.9



#62

4-Bromofluorobenzene

Concen: 40.419 ug/l

RT: 11.39 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061794.D

Acq: 28 Feb 2019 18:21

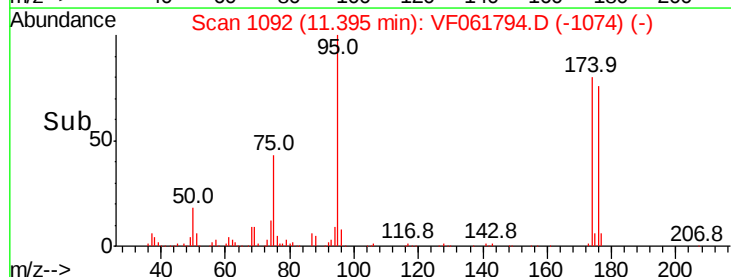
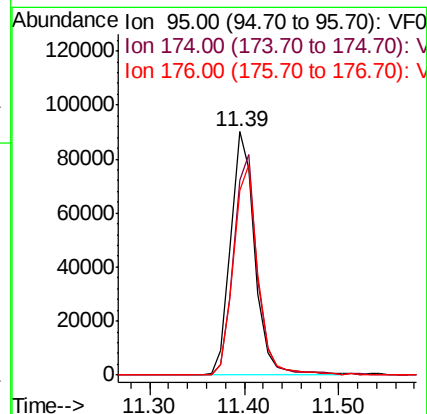
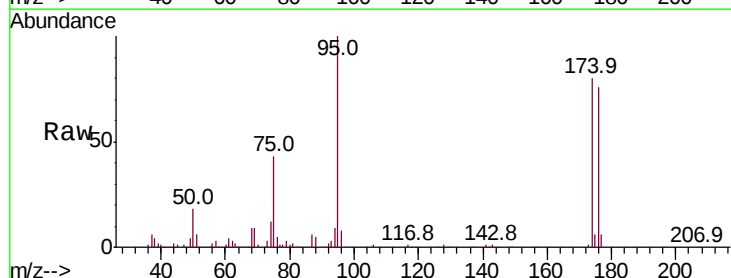
Tgt Ion: 95 Resp: 160188

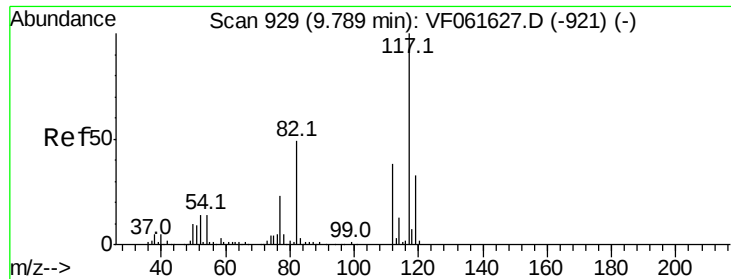
Ion Ratio Lower Upper

95 100

174 80.2 0.0 165.8

176 75.9 0.0 167.0

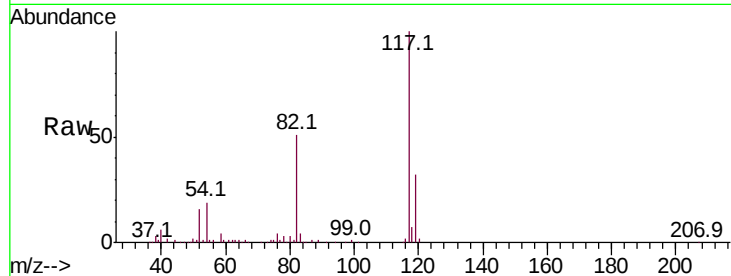




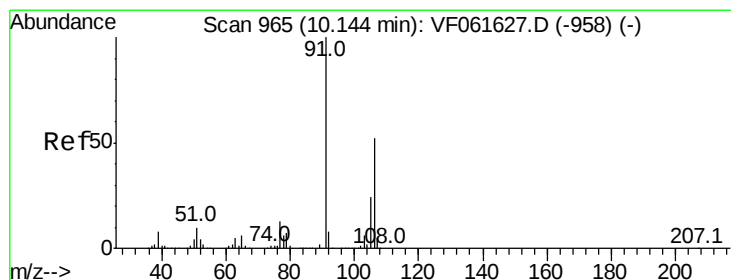
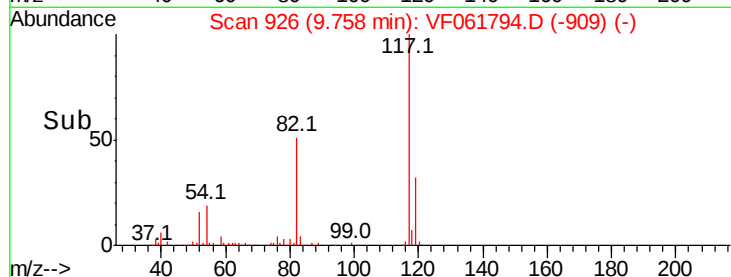
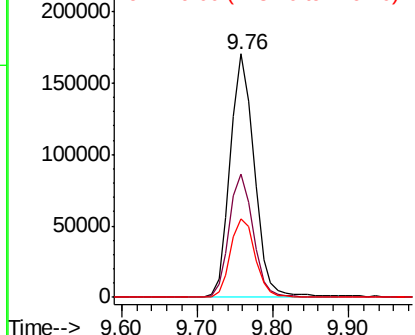
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

Instrument :
MSVOA_F
ClientSampleId :
OR-03-022719-B

Tot Ion:117 Resp: 376718
Ion Ratio Lower Upper
117 100
82 50.7 39.3 58.9
119 32.5 26.6 40.0

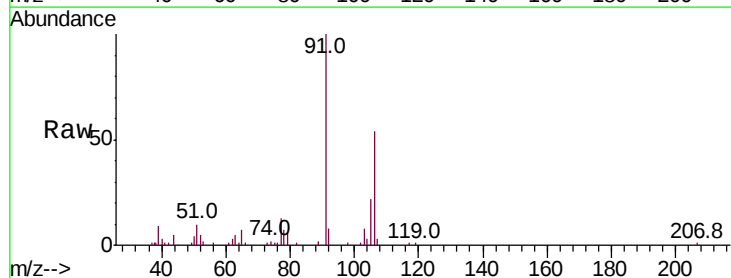


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

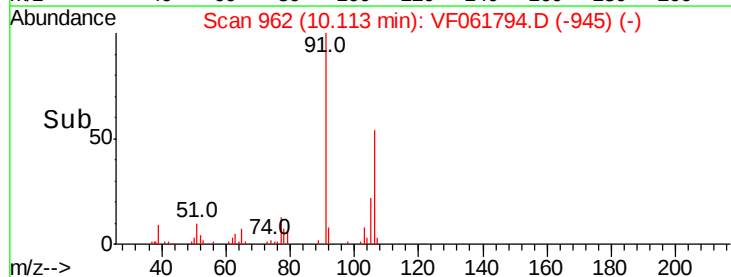
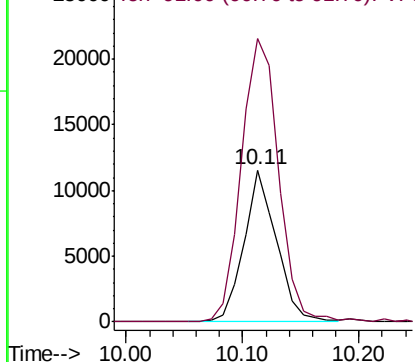


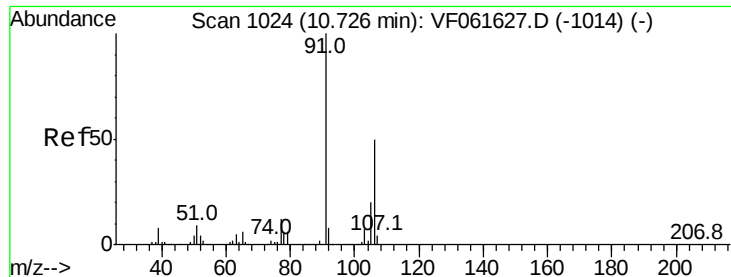
#68
m/p-Xylenes
Concen: 4.614 ug/l
RT: 10.11 min Scan# 962
Delta R.T. -0.03 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

Tgt Ion:106 Resp: 22448
Ion Ratio Lower Upper
106 100
91 186.8 153.0 229.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

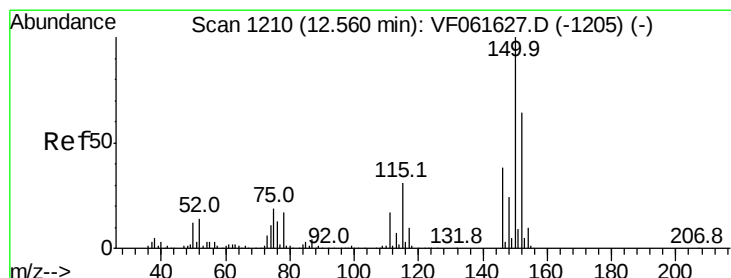
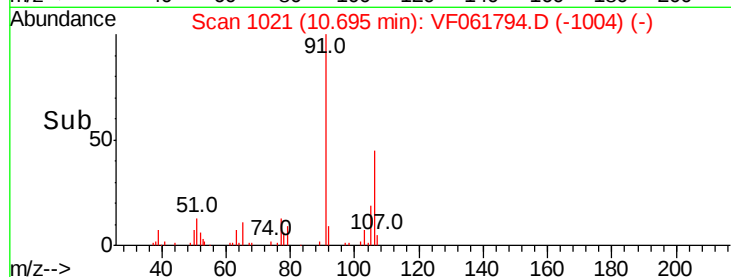
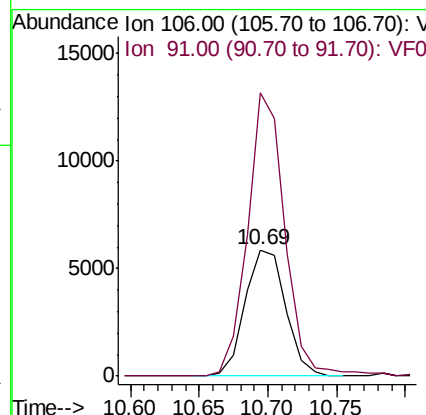
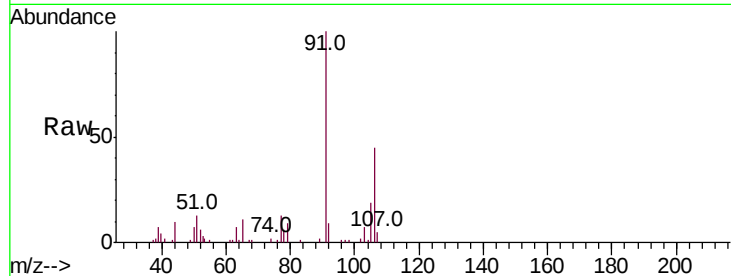




#69
o-Xylene
Concen: 2.336 ug/l
RT: 10.69 min Scan# 1021
Delta R.T. -0.03 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

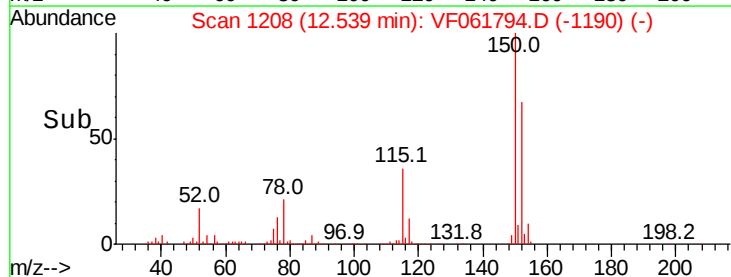
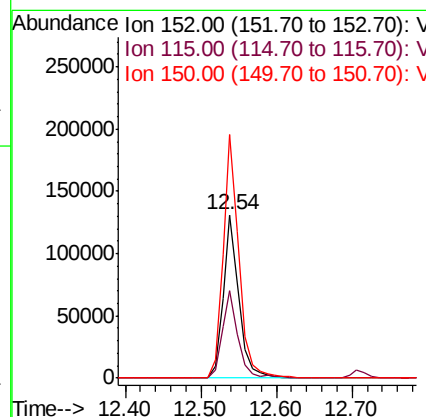
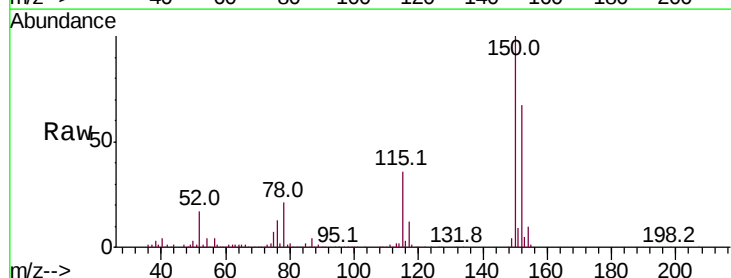
Instrument :
MSVOA_F
ClientSampleId :
OR-03-022719-B

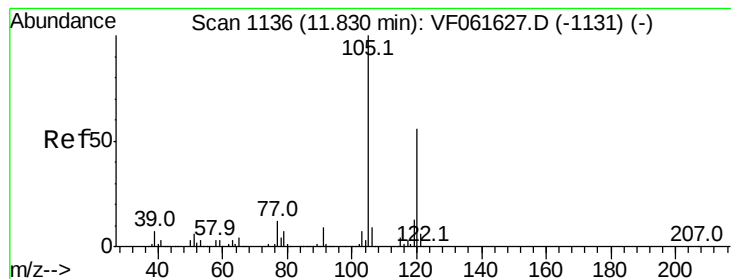
Tot Ion:106 Resp: 12130
Ion Ratio Lower Upper
106 100
91 223.7 100.1 300.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061794.D
Acq: 28 Feb 2019 18:21

Tgt Ion:152 Resp: 191396
Ion Ratio Lower Upper
152 100
115 53.4 24.3 72.8
150 148.9 0.0 312.0





#80

1,3,5-Trimethylbenzene

Concen: 1.149 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.02 min

Lab File: VF061794.D

Acq: 28 Feb 2019 18:21

Instrument :

MSVOA_F

ClientSampleId :

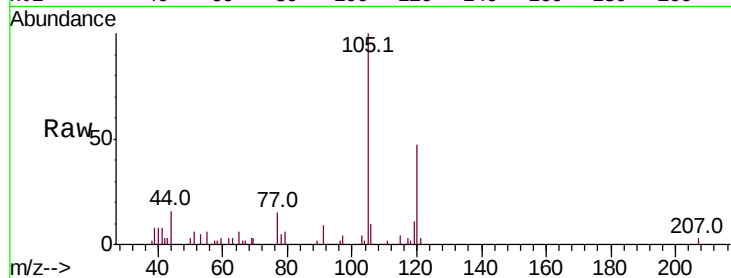
OR-03-022719-B

Tot Ion:105 Resp: 12515

Ion Ratio Lower Upper

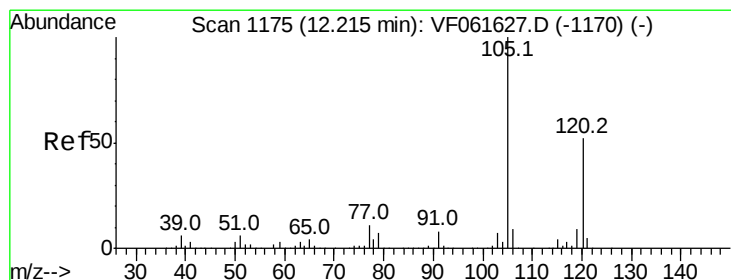
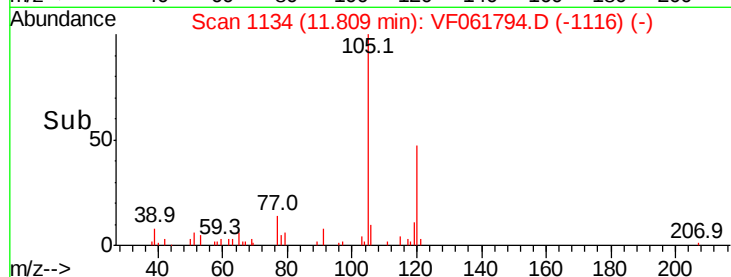
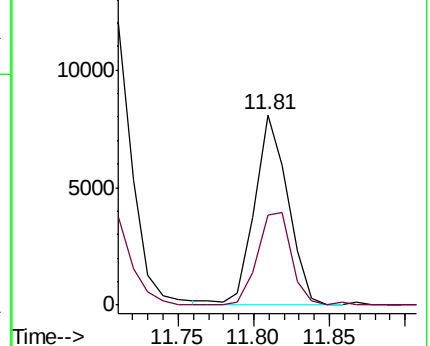
105 100

120 47.1 27.9 83.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 4.470 ug/l

RT: 12.19 min Scan# 1173

Delta R.T. -0.02 min

Lab File: VF061794.D

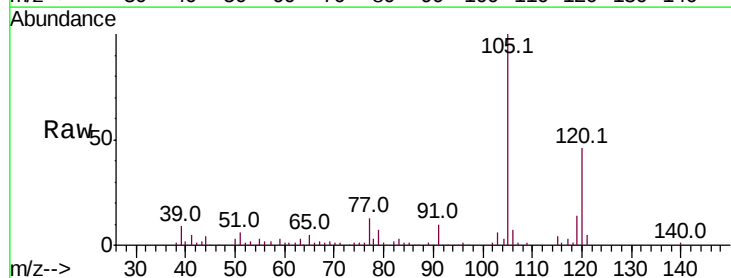
Acq: 28 Feb 2019 18:21

Tgt Ion:105 Resp: 48372

Ion Ratio Lower Upper

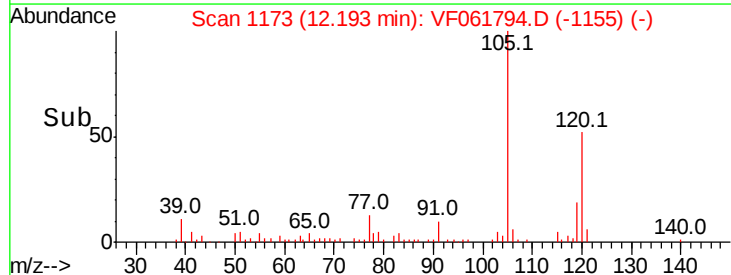
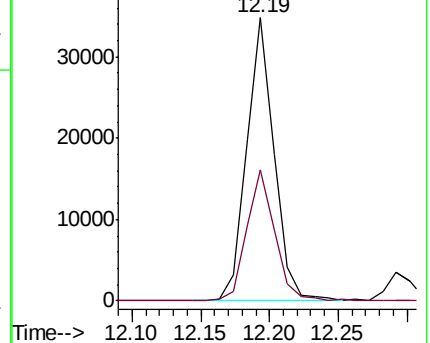
105 100

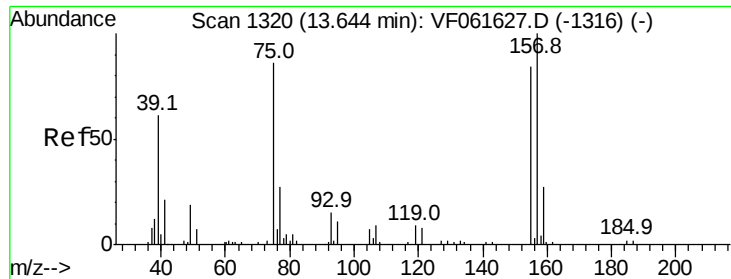
120 46.3 26.1 78.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.207 ug/l

RT: 13.70 min Scan# 1326

Delta R.T. 0.06 min

Lab File: VF061794.D

Acq: 28 Feb 2019 18:21

Instrument :

MSVOA_F

ClientSampleId :

OR-03-022719-B

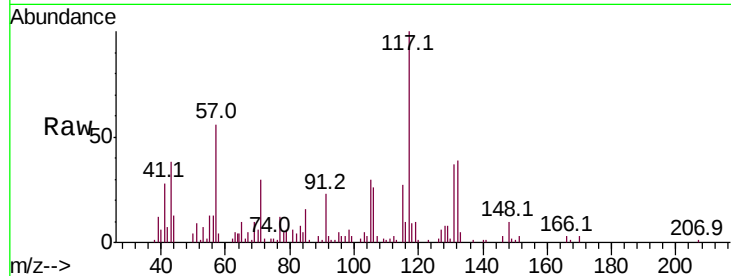
Tot Ion: 75 Resp: 467

Ion Ratio Lower Upper

75 100

155 0.0 48.9 146.8#

157 0.0 58.3 174.8#



Abundance Ion 75.00 (74.70 to 75.70): VF061627.D (-1316) (-)

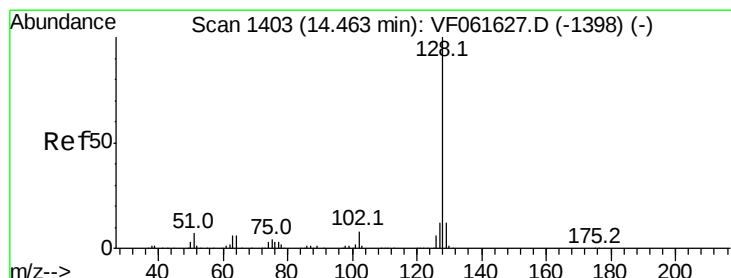
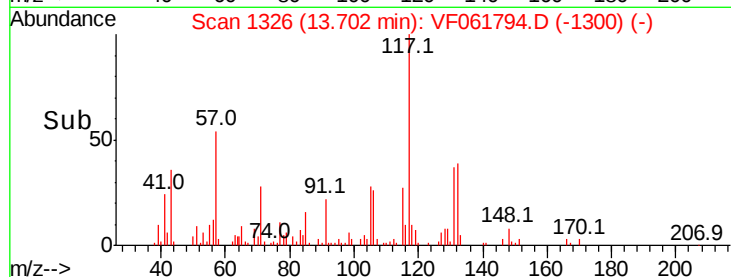
300 13.70

200

100

0

Time--> 13.65 13.70



#95

Naphthalene

Concen: 3.848 ug/l

RT: 14.44 min Scan# 1401

Delta R.T. -0.02 min

Lab File: VF061794.D

Acq: 28 Feb 2019 18:21

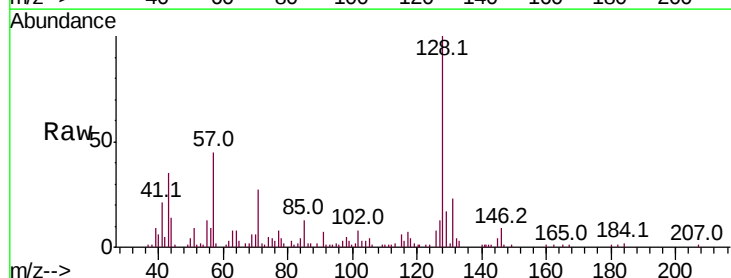
Tgt Ion: 128 Resp: 30123

Ion Ratio Lower Upper

128 100

127 12.7 9.8 14.6

129 16.8 9.4 14.2#



Abundance Ion 128.00 (127.70 to 128.70): VF061627.D (-1398) (-)

20000 14.44

15000

10000

5000

0

Time--> 14.30 14.40 14.50

