

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042919\
 Data File : VF062329.D
 Acq On : 29 Apr 2019 22:51
 Operator : FY/SY
 Sample : K2194-17RE
 Misc : 5.79g/5mL/MSVOA F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 30 03:52:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	25784	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	21027	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.90	117	10500	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	2055	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	4493	21.51	ug/l	-0.03
Spiked Amount			Recovery	=	43.02%	
35) Dibromofluoromethane	4.29	113	5925	38.00	ug/l	-0.03
Spiked Amount			Recovery	=	76.00%	
50) Toluene-d8	7.70	98	16914	44.42	ug/l	-0.02
Spiked Amount			Recovery	=	88.84%	
62) 4-Bromofluorobenzene	11.49	95	3547	22.60	ug/l	-0.02
Spiked Amount			Recovery	=	45.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.70	59	83	6.570	ug/l #	71
12) 1,1-Dichloroethene	1.86	96	356	1.637	ug/l #	1
13) Acrolein	2.10	56	295	32.334	ug/l #	66
14) Allyl chloride	2.23	41	793	3.350	ug/l #	90
15) Acrylonitrile	3.11	53	88	2.515	ug/l #	1
16) Acetone	2.33	43	671	14.349	ug/l #	56
18) Methyl Acetate	2.46	43	518	3.153	ug/l #	70
19) Methyl tert-butyl Ether	2.54	73	1483	3.576	ug/l #	22
20) Methylene Chloride	2.27	84	67	Below Cal	#	2
21) trans-1,2-Dichloroethene	2.40	96	217	1.009	ug/l #	1
23) Vinyl Acetate	3.38	43	497	1.759	ug/l #	78
25) 2-Butanone	4.56	43	747	10.075	ug/l #	20
26) 2,2-Dichloropropane	3.85	77	292	1.546	ug/l	98
29) Tetrahydrofuran	4.28	42	160	4.911	ug/l #	37
37) Ethyl Acetate	4.29	43	198	2.426	ug/l #	3
41) Methacrylonitrile	4.88	41	642	14.160	ug/l #	1
43) Isopropyl Acetate	7.10	43	923	10.871	ug/l #	46
48) Methyl methacrylate	6.85	41	653	10.921	ug/l #	17
49) 1,4-Dioxane	6.78	88	73	106.027	ug/l #	1
51) 4-Methyl-2-Pentanone	8.37	43	660	10.264	ug/l #	38
56) Ethyl methacrylate	8.71	69	269	3.188	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.45	63	67	2.609	ug/l #	44
59) 2-Hexanone	9.58	43	146	Below Cal	#	28
73) Isopropylbenzene	11.21	105	141	1.001	ug/l #	23
74) N-amyl acetate	11.48	43	627	19.327	ug/l #	39
75) 1,1,2,2-Tetrachloroethane	11.73	83	78	3.487	ug/l #	23
76) 1,2,3-Trichloropropane	11.85	75	136	8.569	ug/l #	100
77) Bromobenzene	11.66	156	106	3.012	ug/l #	1
79) 2-Chlorotoluene	11.66	91	144	1.614	ug/l	87
81) trans-1,4-Dichloro-2-buten	12.00	75	73	10.290	ug/l #	82
82) 4-Chlorotoluene	11.93	91	292	3.307	ug/l #	40
83) tert-Butylbenzene	12.18	119	172	1.410	ug/l #	83
84) 1,2,4-Trimethylbenzene	12.27	105	160	1.390	ug/l #	29
85) sec-Butylbenzene	12.27	105	160	1.053	ug/l #	56

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Quant Title : SW846 8260
QLast Update : Thu Apr 25 08:40:59 2019
Response via : Initial Calibration

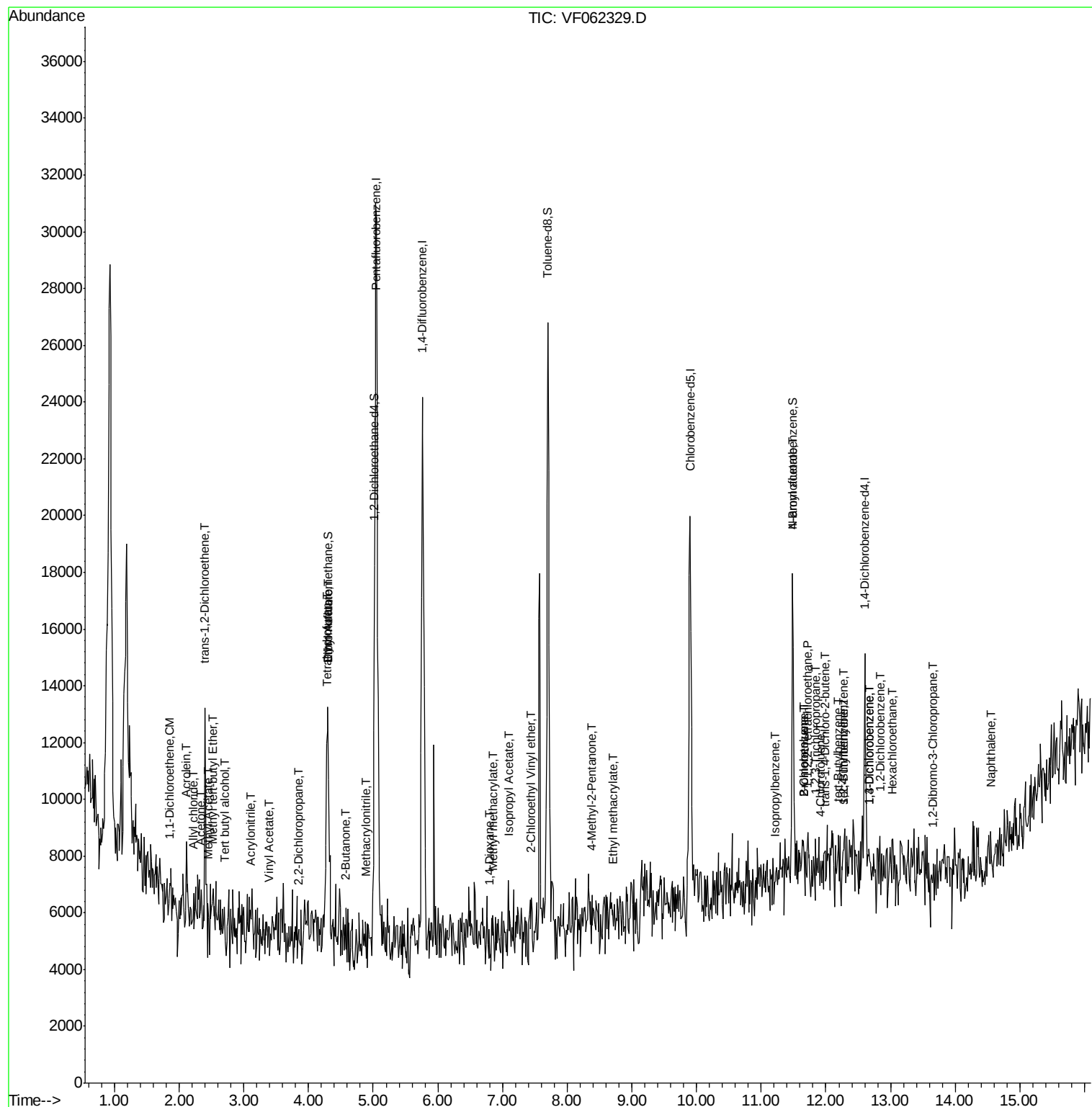
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	12.67	146	72	1.156	ug/l #	25
88) 1,4-Dichlorobenzene	12.67	146	72	1.219	ug/l #	25
90) Hexachloroethane	13.02	117	68	1.992	ug/l #	7
91) 1,2-Dichlorobenzene	12.83	146	68	1.138	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.65	75	69	15.290	ug/l #	1
95) Naphthalene	14.56	128	84	1.033	ug/l #	69

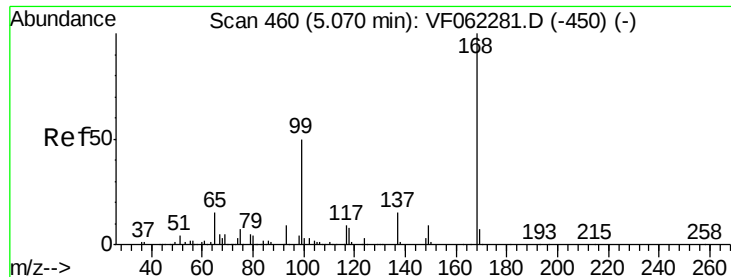
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_F
ClientSampled :

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062329.D

Acq: 29 Apr 2019 22:51

Instrument :

MSVOA_F

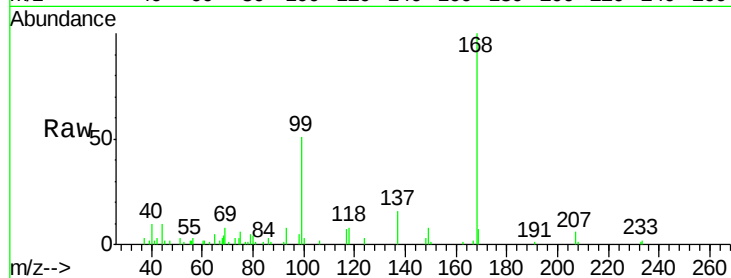
ClientSampleId :

Tot Ion:168 Resp: 25784

Ion Ratio Lower Upper

168 100

99 51.2 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.05

10000

8000

6000

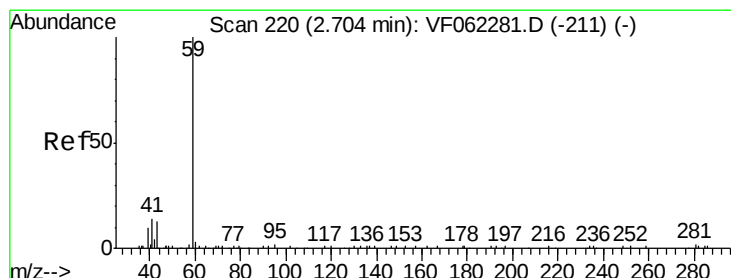
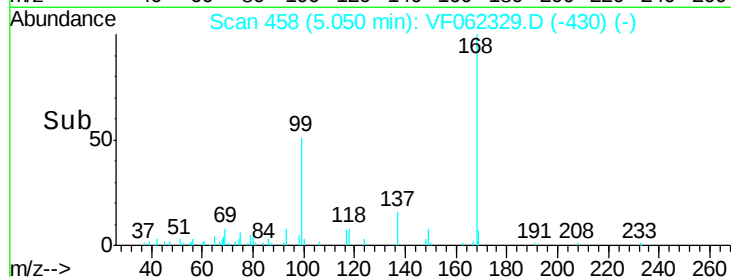
4000

2000

0

Time-->

4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: 6.570 ug/l

RT: 2.70 min Scan# 220

Delta R.T. -0.00 min

Lab File: VF062329.D

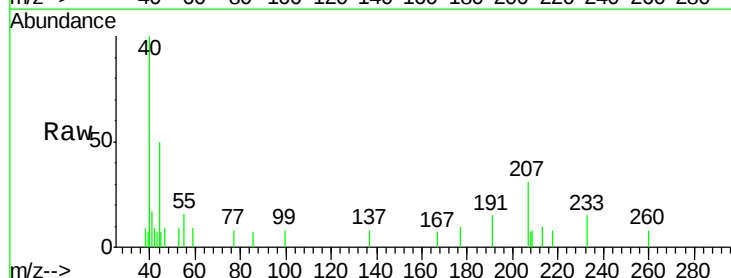
Acq: 29 Apr 2019 22:51

Tgt Ion: 59 Resp: 83

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.70

150

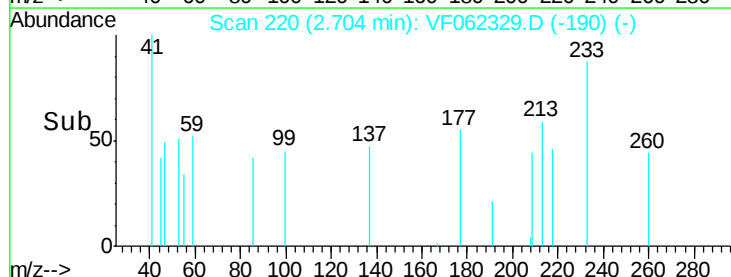
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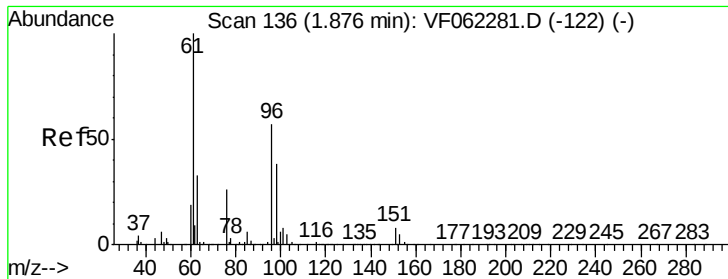
50

0

Time-->

2.69 2.70 2.71 2.72





#12

1,1-Dichloroethene

Concen: 1.637 ug/l

RT: 1.86 min Scan# 134

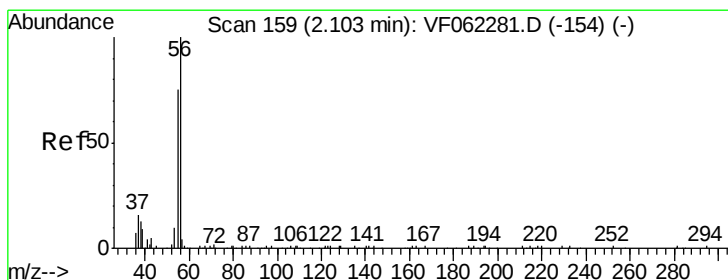
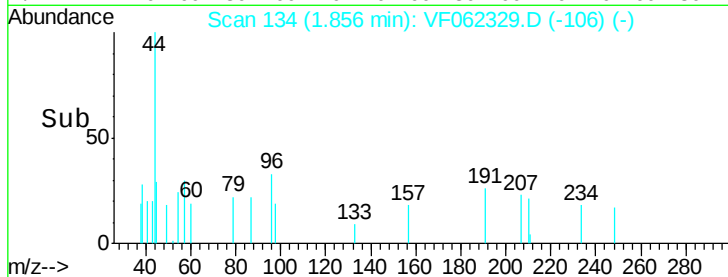
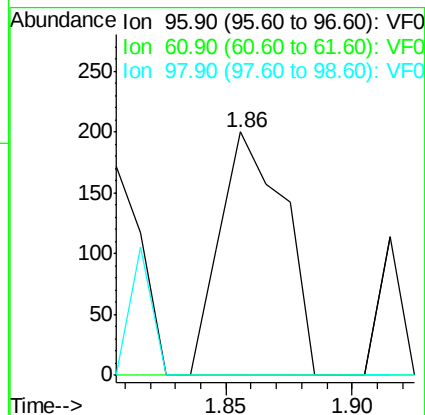
Delta R.T. -0.02 min

Lab File: VF062329.D

Acq: 29 Apr 2019 22:51

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	141.1	211.7#
98	0.0	53.4	80.0#



#13

Acrolein

Concen: 32.334 ug/l

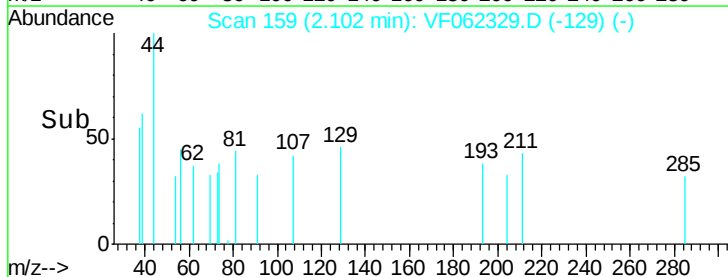
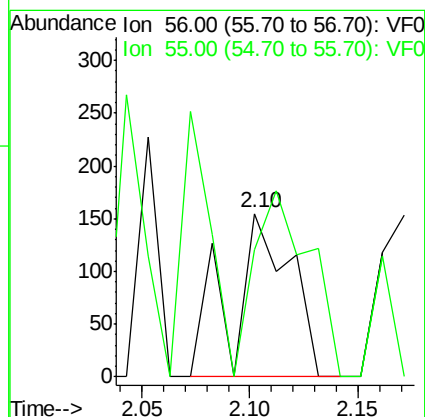
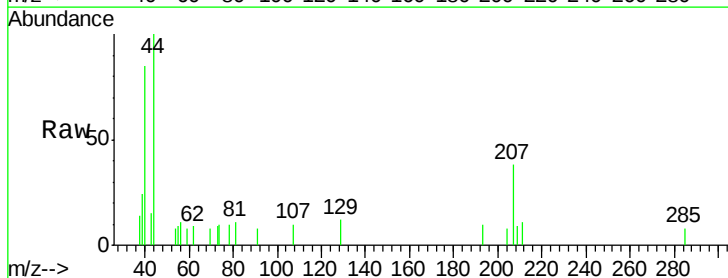
RT: 2.10 min Scan# 159

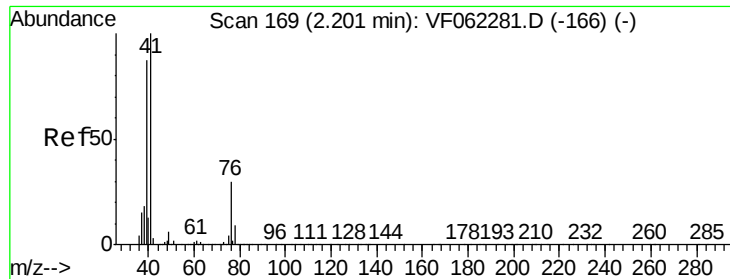
Delta R.T. 0.00 min

Lab File: VF062329.D

Acq: 29 Apr 2019 22:51

Tgt Ion	Ratio	Lower	Upper
56	100		
55	107.1	62.3	93.5#





#14

Allvl chloride

Concen: 3.350 ug/l

RT: 2.23 min Scan# 172

Delta R.T. 0.03 min

Lab File: VF062329.D

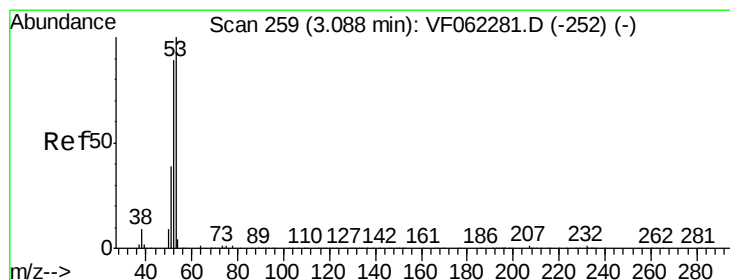
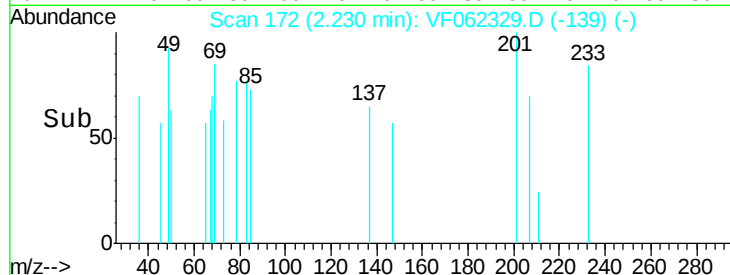
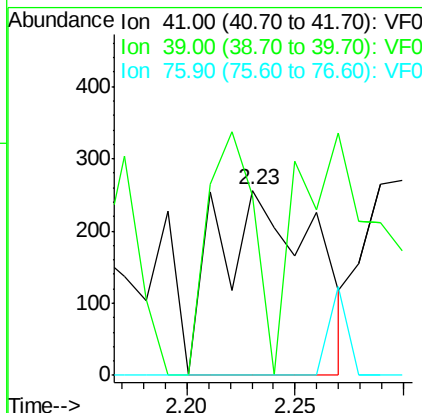
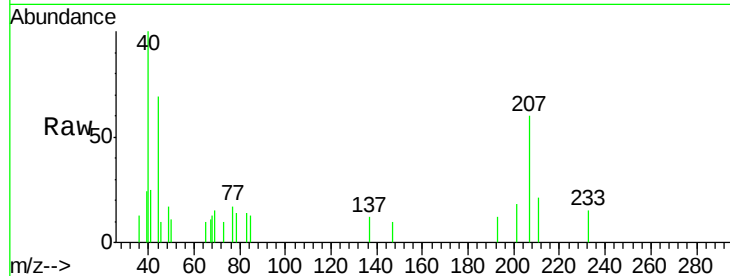
Acq: 29 Apr 2019 22:51

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	41.00	Resp:	793
Ion	Ratio	Lower	Upper
41	100		
39	63.3	50.3	75.5
76	0.0	14.8	22.2#



#15

Acrylonitrile

Concen: 2.515 ug/l

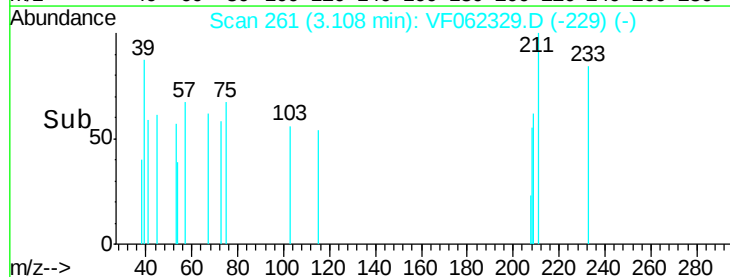
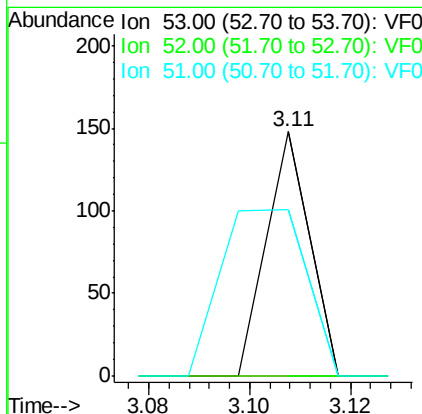
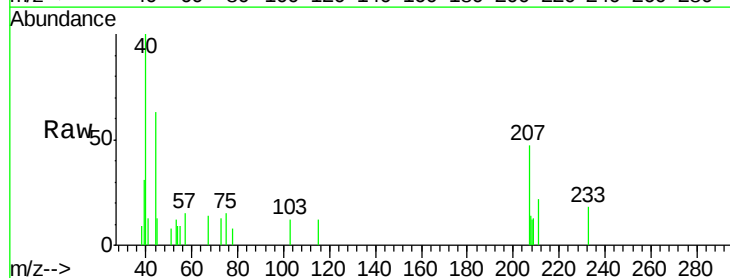
RT: 3.11 min Scan# 261

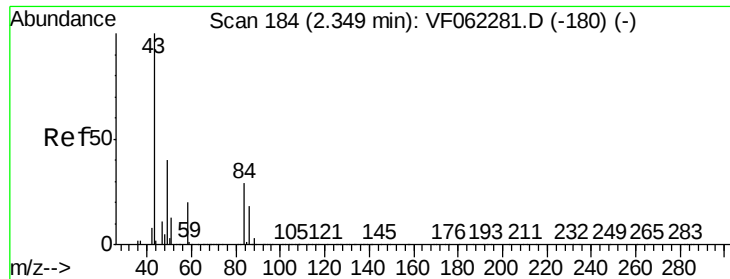
Delta R.T. 0.02 min

Lab File: VF062329.D

Acq: 29 Apr 2019 22:51

Tgt Ion:	53.00	Resp:	88
Ion	Ratio	Lower	Upper
53	100		
52	0.0	70.6	105.8#
51	135.2	32.6	48.8#

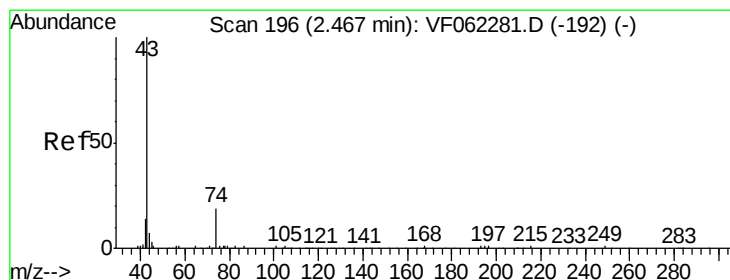
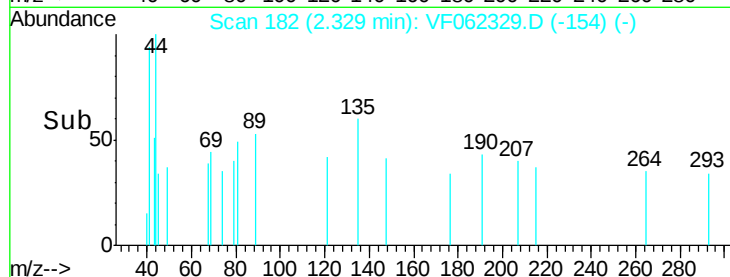
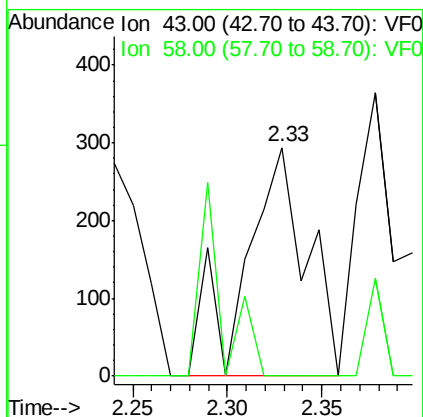
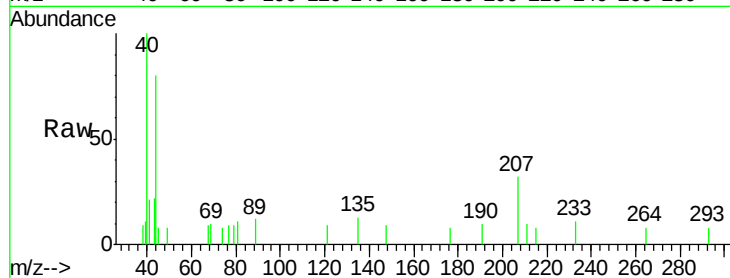




#16
Acetone
Concen: 14.349 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.02 min
Lab File: VF062329.D
Acq: 29 Apr 2019 22:51

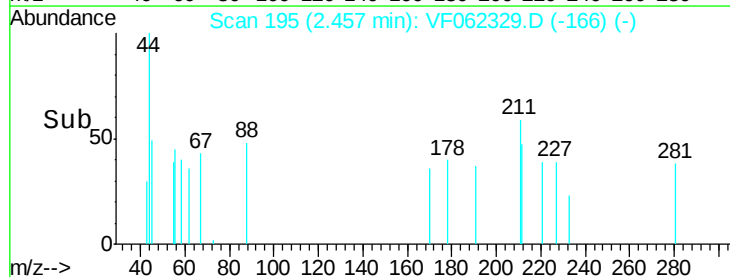
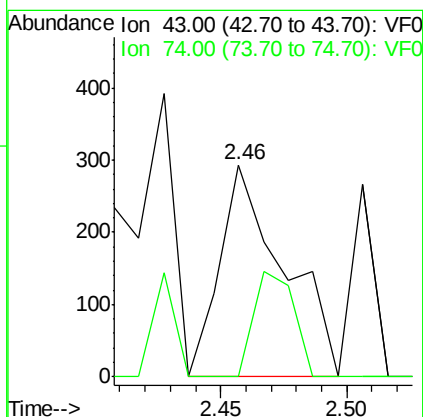
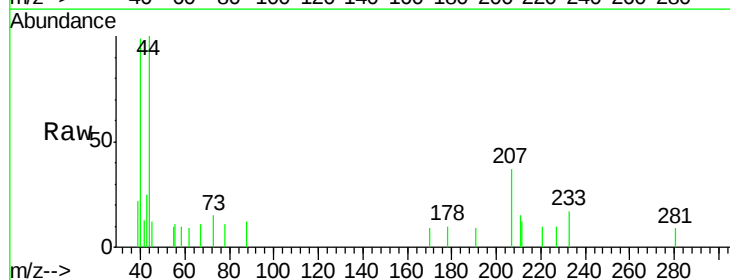
Instrument :
MSVOA_F
ClientSampleId :

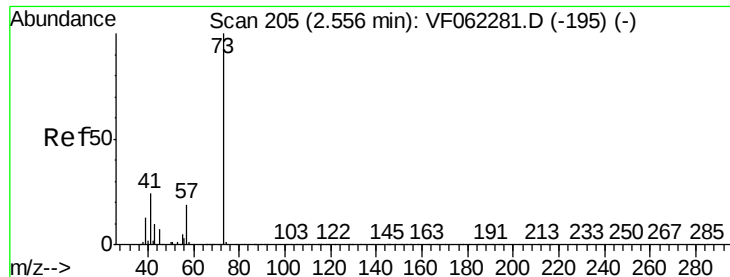
Tot Ion: 43 Resp: 671
Ion Ratio Lower Upper
43 100
58 0.0 16.4 24.6#



#18
Methyl Acetate
Concen: 3.153 ug/l
RT: 2.46 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF062329.D
Acq: 29 Apr 2019 22:51

Tgt Ion: 43 Resp: 518
Ion Ratio Lower Upper
43 100
74 31.1 14.4 21.6#

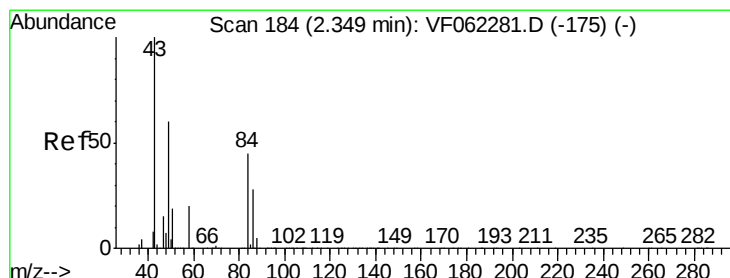
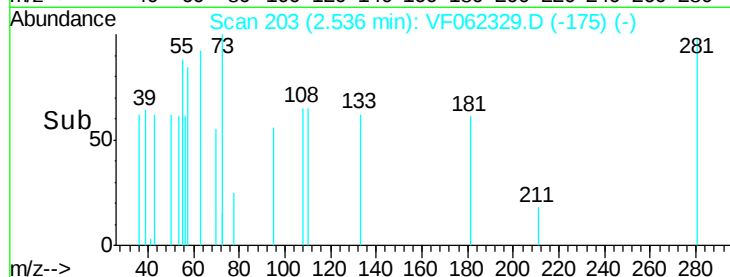
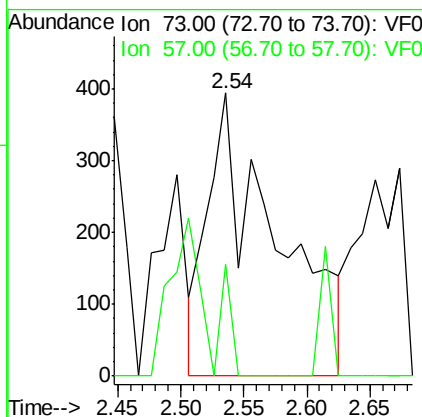
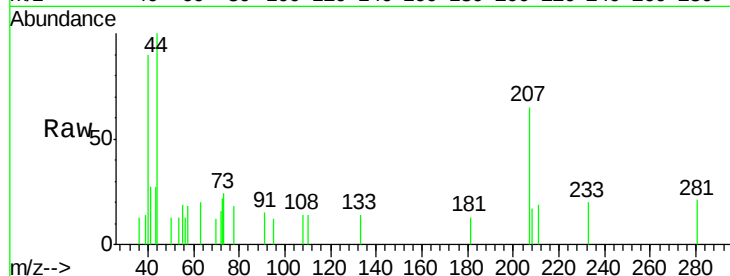




#19
Methyl tert-butyl Ether
Concen: 3.576 ug/l
RT: 2.54 min Scan# 203
Delta R.T. -0.02 min
Lab File: VF062329.D
Acq: 29 Apr 2019 22:51

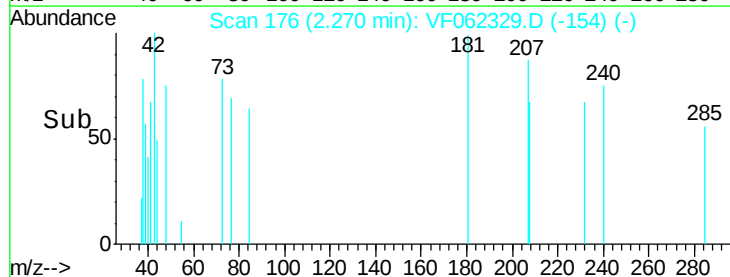
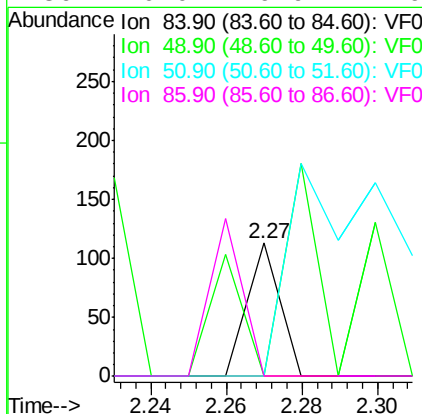
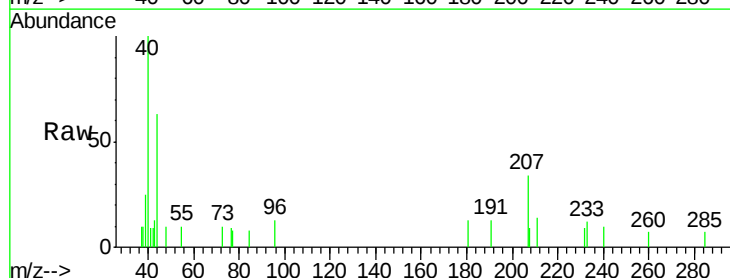
Instrument :
MSVOA_F
ClientSampleId :

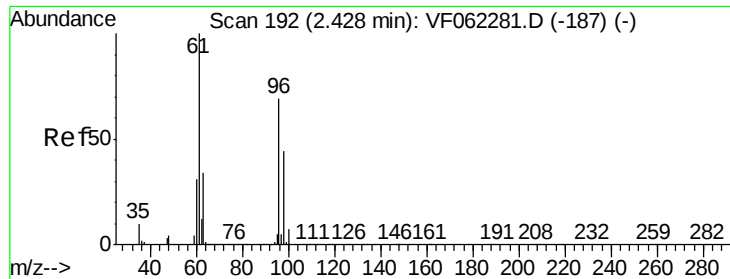
Tot Ion: 73.00 Resp: 1483
Ion Ratio Lower Upper
73 100
57 54.9 15.5 23.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 176
Delta R.T. -0.08 min
Lab File: VF062329.D
Acq: 29 Apr 2019 22:51

Tgt Ion: 84 Resp: 67
Ion Ratio Lower Upper
84 100
49 0.0 112.1 168.1#
51 0.0 35.9 53.9#
86 0.0 49.9 74.9#





#21

trans-1,2-Dichloroethene

Concen: 1.009 ug/l

RT: 2.40 min Scan# 189

Delta R.T. -0.03 min

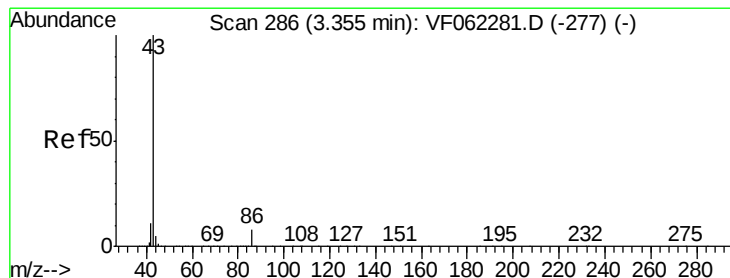
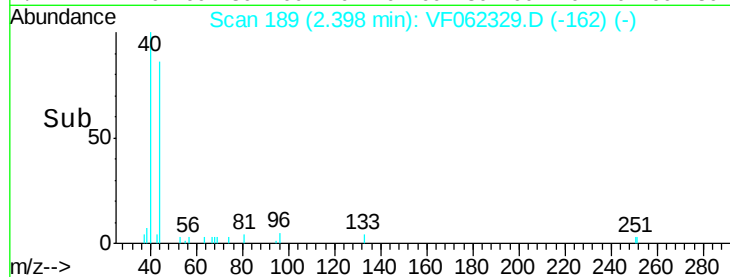
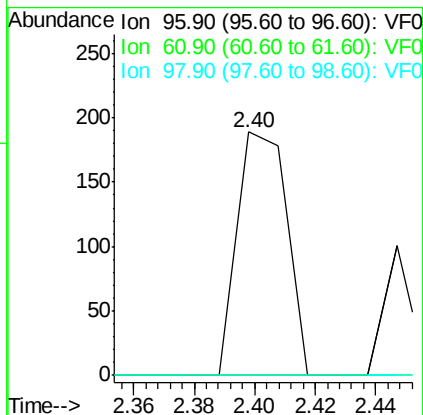
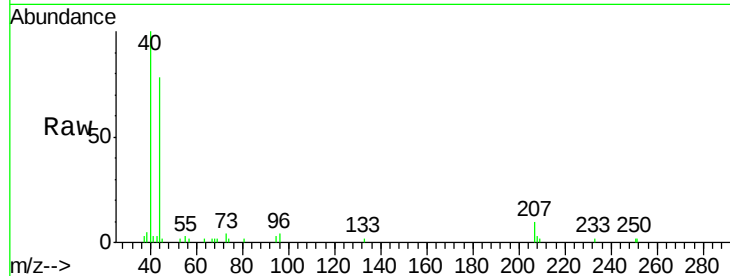
Lab File: VF062329.D

Acq: 29 Apr 2019 22:51

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 96 Resp: 217

Ion	Ratio	Lower	Upper
96	100		
61	0.0	116.2	174.2#
98	0.0	51.4	77.0#



#23

Vinyl Acetate

Concen: 1.759 ug/l

RT: 3.38 min Scan# 289

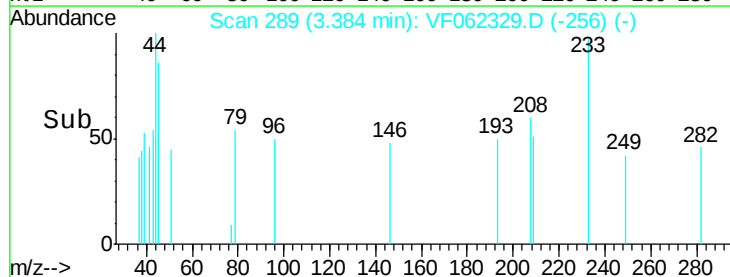
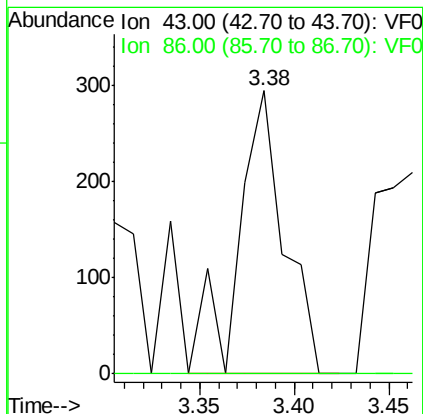
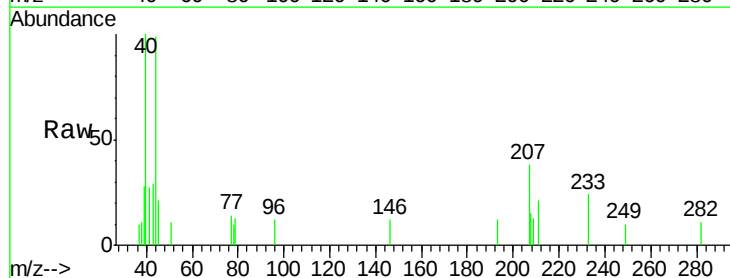
Delta R.T. 0.03 min

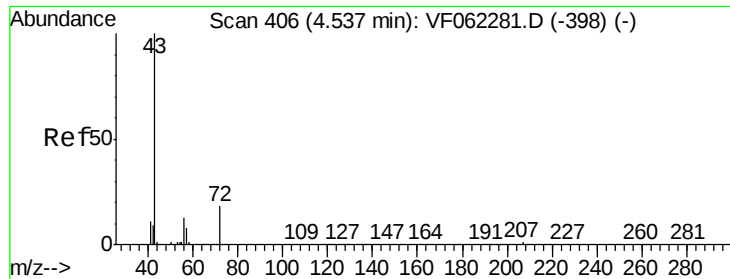
Lab File: VF062329.D

Acq: 29 Apr 2019 22:51

Tgt Ion: 43 Resp: 497

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.0	9.0#

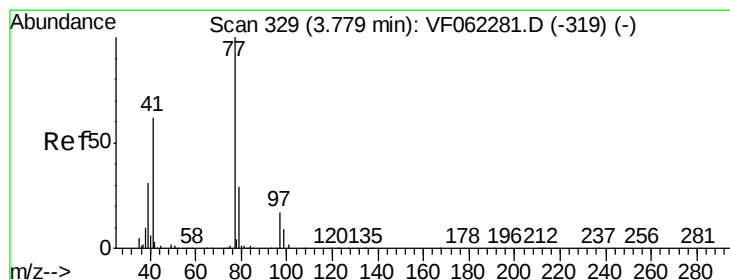
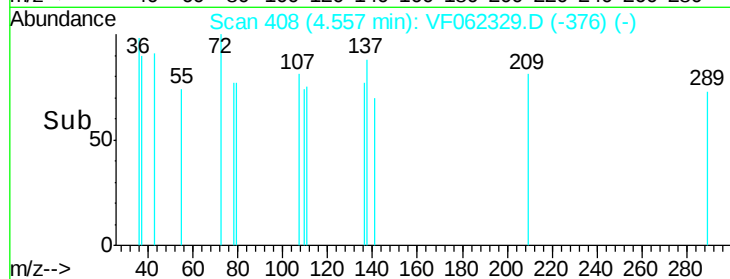
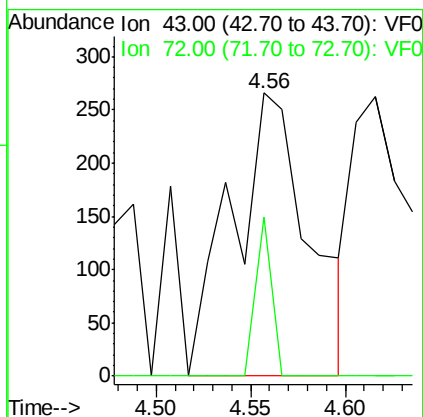
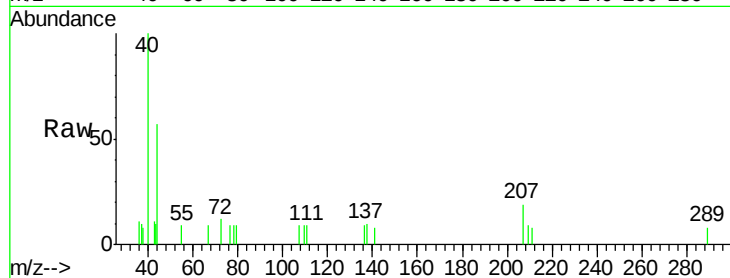




#25
2-Butanone
Concen: 10.075 ug/l
RT: 4.56 min Scan# 408
Delta R.T. 0.02 min
Lab File: VF062329.D
Acq: 29 Apr 2019 22:51

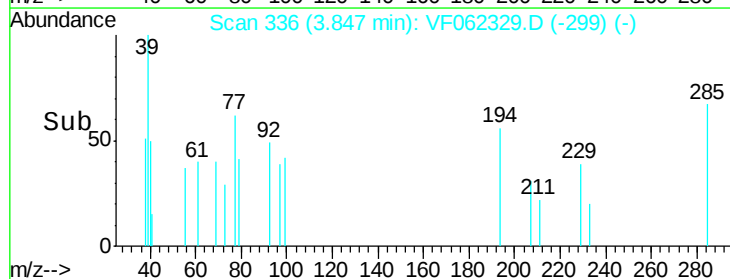
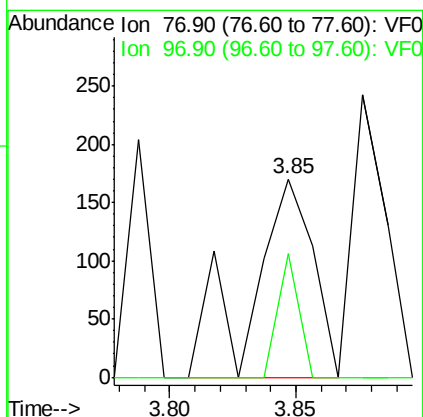
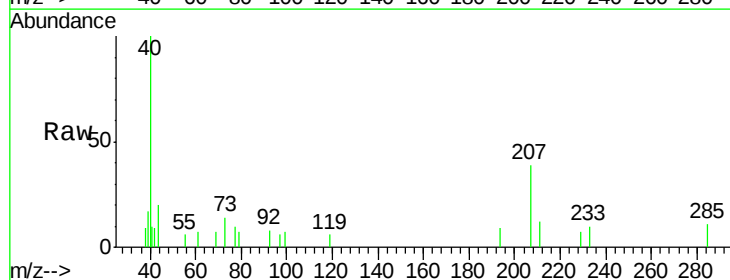
Instrument :
MSVOA_F
ClientSampleId :

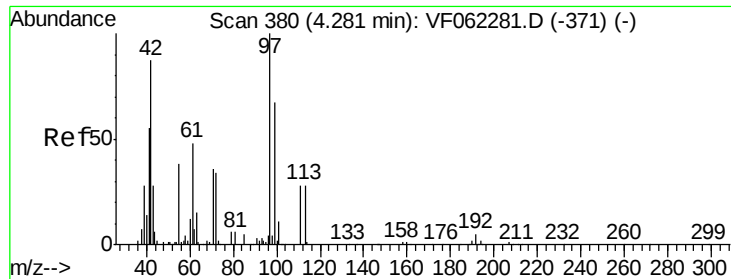
Tot Ion: 43 Resp: 747
Ion Ratio Lower Upper
43 100
72 56.4 15.8 23.6#



#26
2,2-Dichloropropane
Concen: 1.546 ug/l
RT: 3.85 min Scan# 336
Delta R.T. 0.07 min
Lab File: VF062329.D
Acq: 29 Apr 2019 22:51

Tgt Ion: 77 Resp: 292
Ion Ratio Lower Upper
77 100
97 21.6 10.3 30.8





#29

Tetrahydrofuran

Concen: 4.911 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF062329.D

Acq: 29 Apr 2019 22:51

Instrument :

MSVOA_F

ClientSampleId :

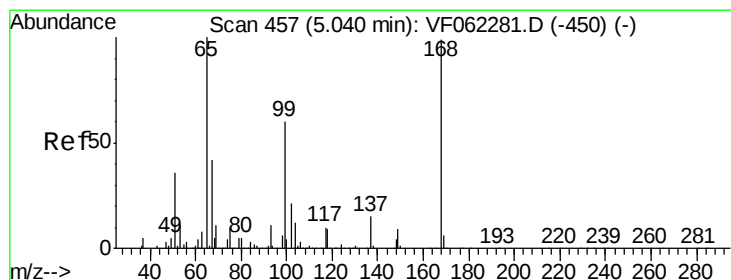
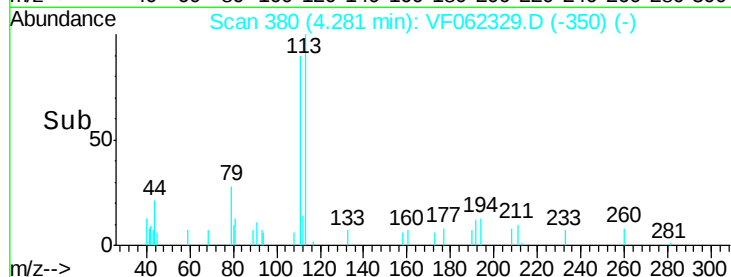
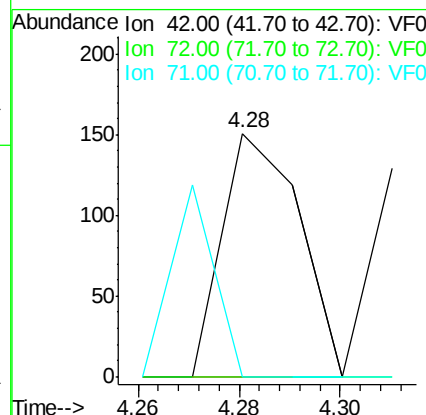
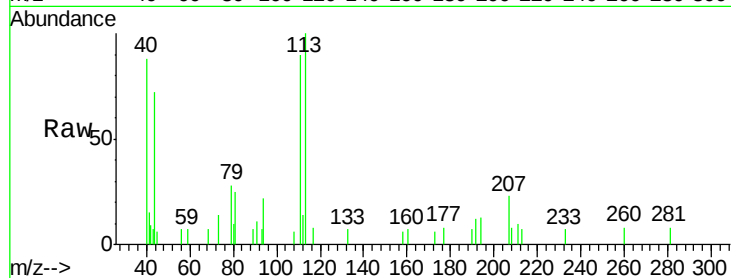
Tot Ion: 42 Resp: 160

Ion Ratio Lower Upper

42 100

72 0.0 29.3 43.9#

71 0.0 31.2 46.8#



#33

1,2-Dichloroethane-d4

Concen: 21.513 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.03 min

Lab File: VF062329.D

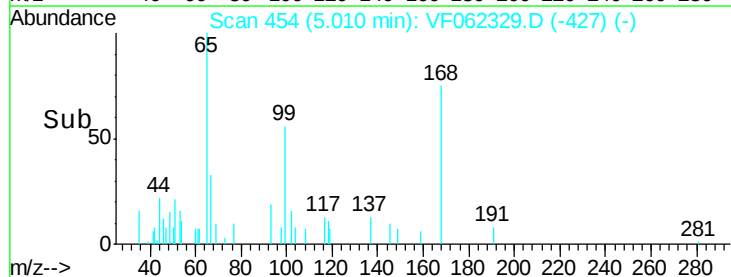
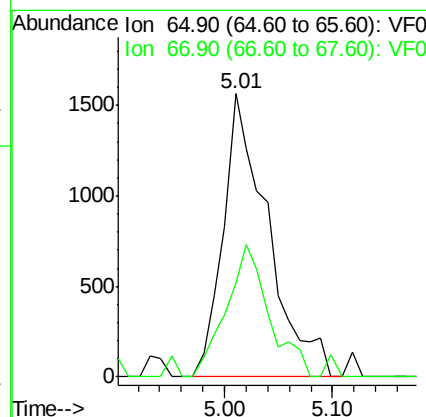
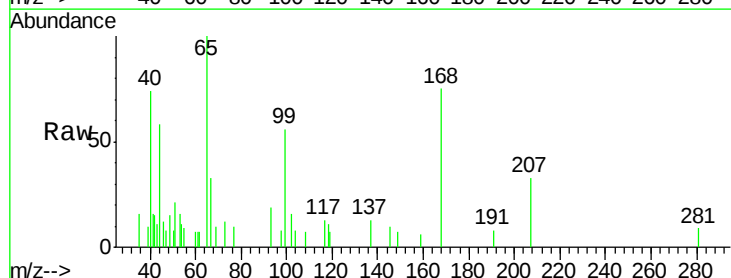
Acq: 29 Apr 2019 22:51

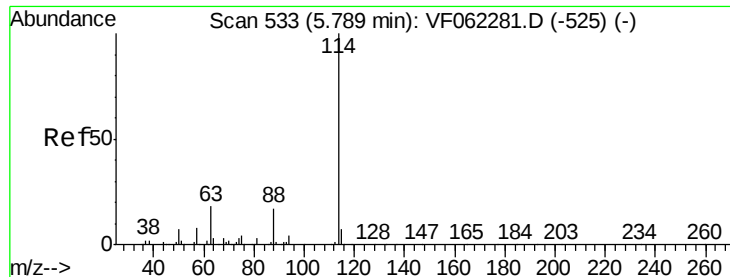
Tgt Ion: 65 Resp: 4493

Ion Ratio Lower Upper

65 100

67 44.6 0.0 98.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.03 min

Lab File: VF062329.D

Acq: 29 Apr 2019 22:51

Instrument :

MSVOA_F

ClientSampleId :

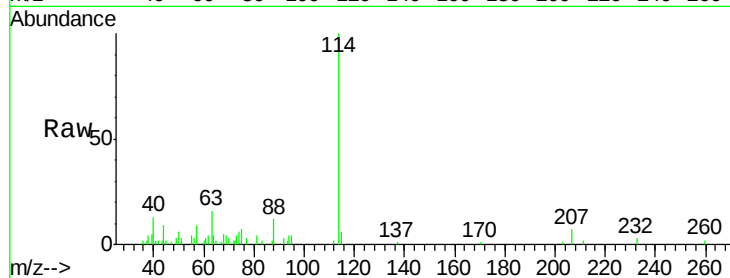
Tot Ion:114 Resp: 21027

Ion Ratio Lower Upper

114 100

63 16.2 0.0 35.6

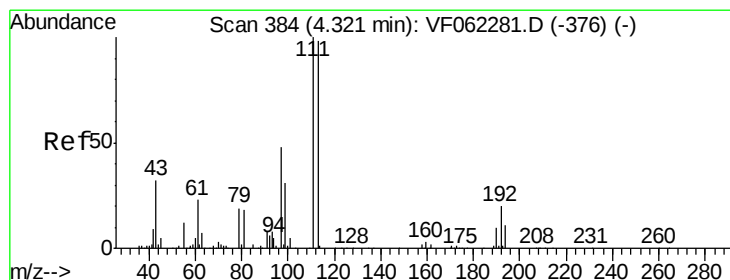
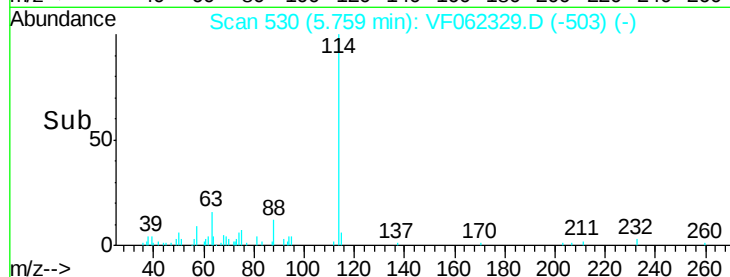
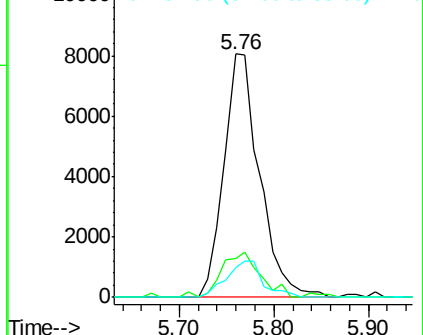
88 12.2 0.0 34.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0



#35

Dibromofluoromethane

Concen: 38.004 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.03 min

Lab File: VF062329.D

Acq: 29 Apr 2019 22:51

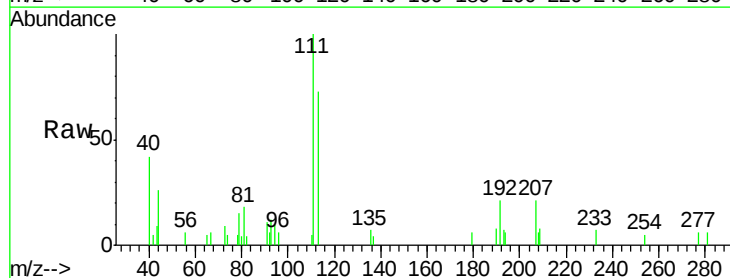
Tgt Ion:113 Resp: 5925

Ion Ratio Lower Upper

113 100

111 116.5 81.4 122.2

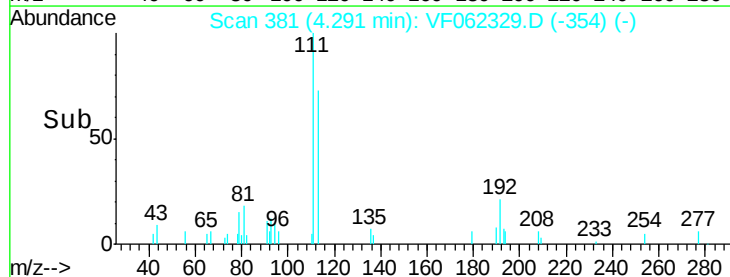
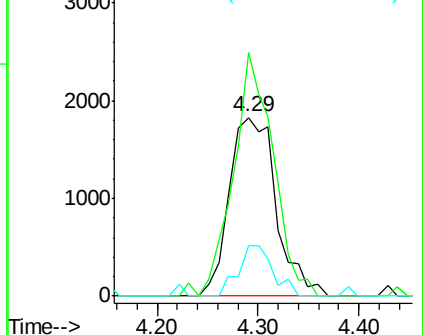
192 21.0 17.0 25.4

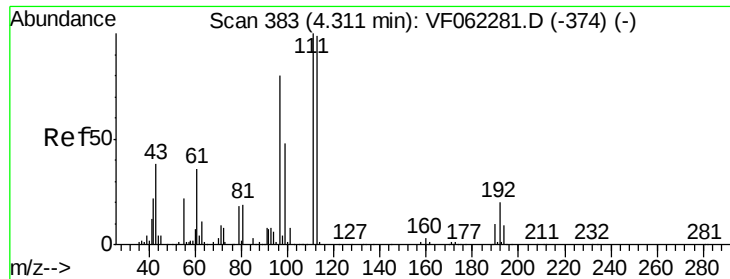


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

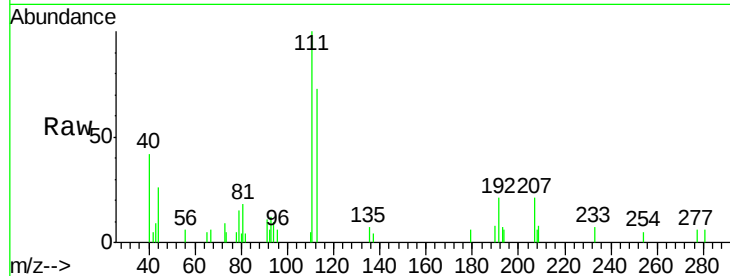




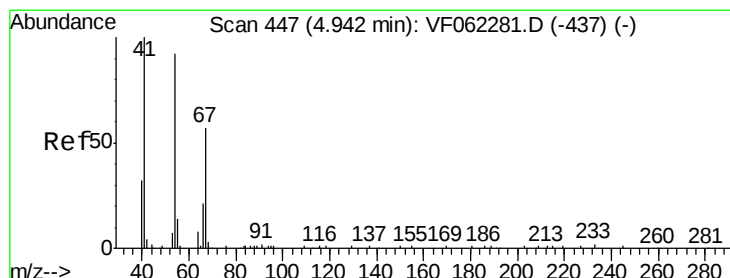
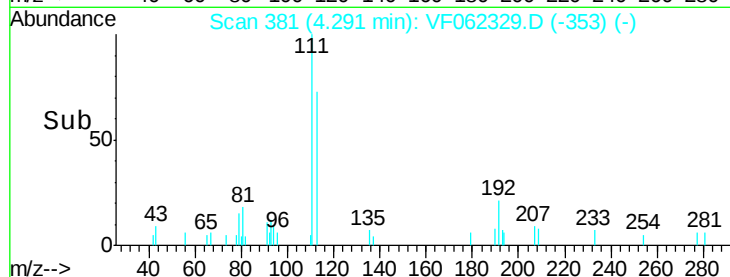
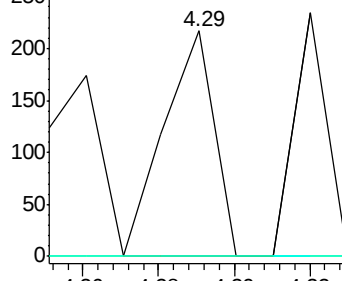
#37
Ethyl Acetate
Concen: 2.426 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF062329.D
Acq: 29 Apr 2019 22:51

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 198
Ion Ratio Lower Upper
43 100
61 0.0 85.8 128.6#
70 0.0 7.3 10.9#

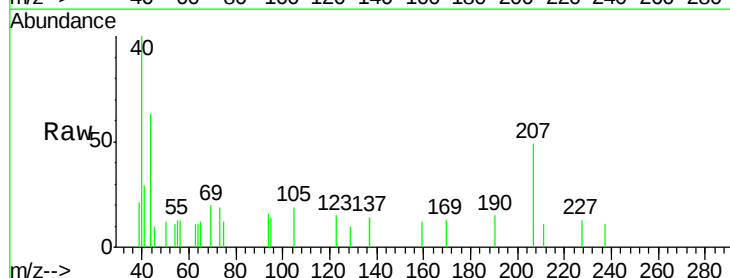


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 70.00 (69.70 to 70.70): VF0

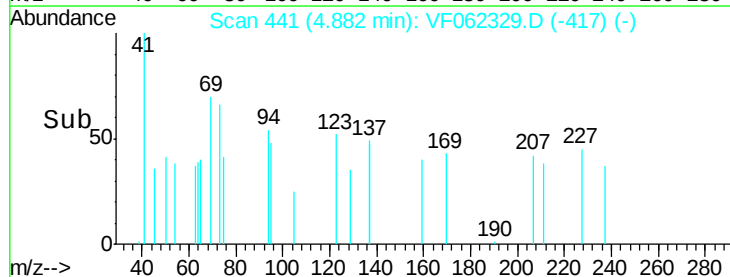
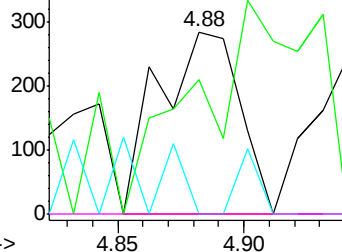


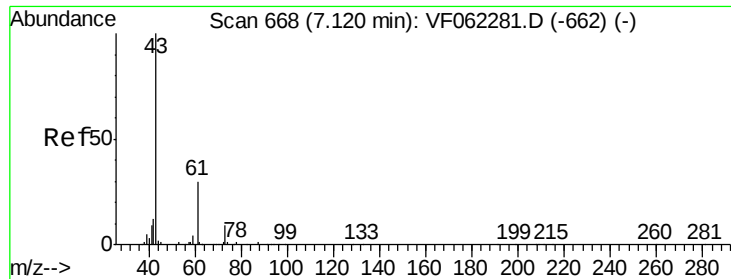
#41
Methacrylonitrile
Concen: 14.160 ug/l
RT: 4.88 min Scan# 441
Delta R.T. -0.06 min
Lab File: VF062329.D
Acq: 29 Apr 2019 22:51

Tgt Ion: 41 Resp: 642
Ion Ratio Lower Upper
41 100
39 167.1 47.3 70.9#
67 0.0 41.3 61.9#
52 0.0 49.4 74.2#



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0



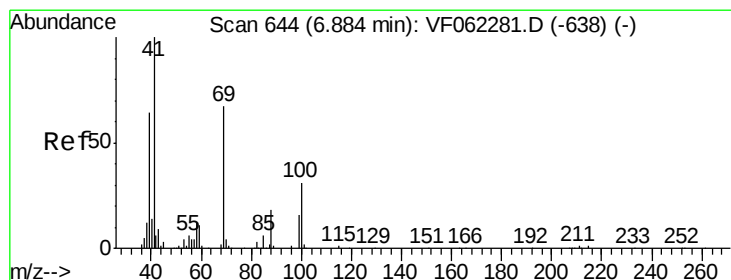
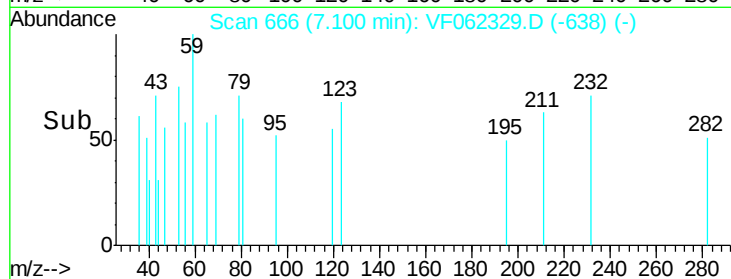
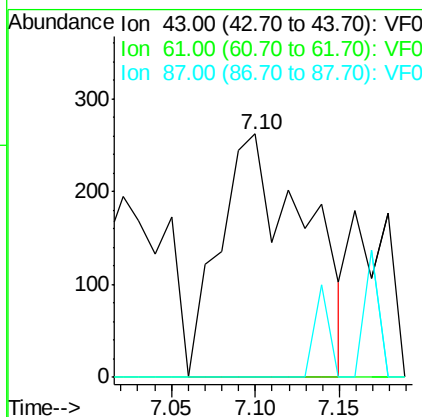
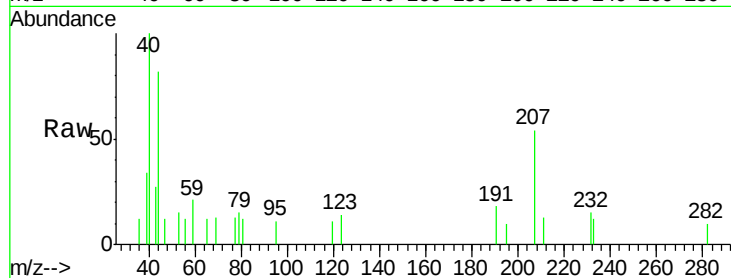


#43

Isopropyl Acetate
 Concen: 10.871 ug/l
 RT: 7.10 min Scan# 666
 Delta R.T. -0.02 min
 Lab File: VF062329.D
 Acq: 29 Apr 2019 22:51

Instrument :
 MSVOA_F
 ClientSampled :

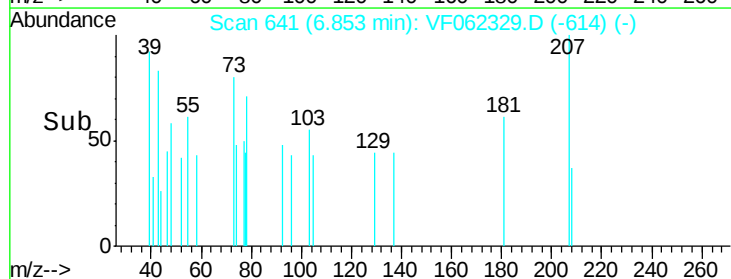
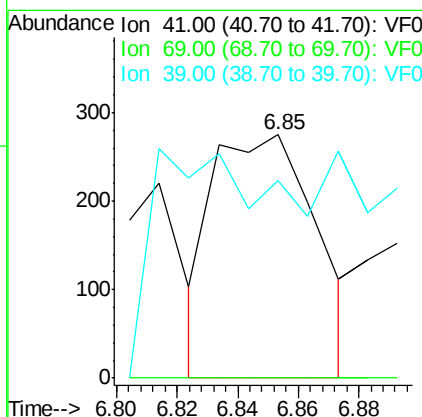
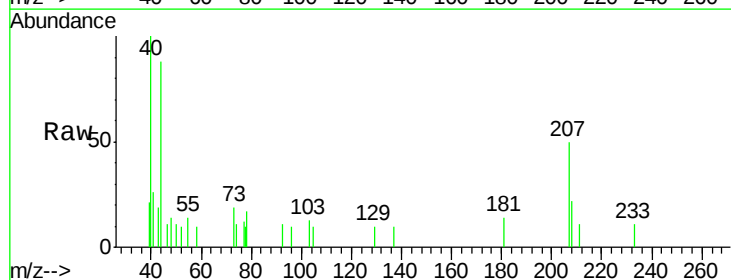
Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.8	35.6#
87	0.0	0.5	0.7#

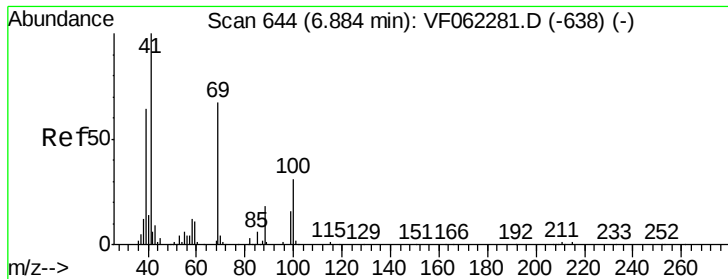


#48

Methyl methacrylate
 Concen: 10.921 ug/l
 RT: 6.85 min Scan# 641
 Delta R.T. -0.03 min
 Lab File: VF062329.D
 Acq: 29 Apr 2019 22:51

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	53.4	80.2#
39	0.0	50.9	76.3#





#49

1,4-Dioxane

Concen: 106.027 ug/l

RT: 6.78 min Scan# 634

Delta R.T. -0.10 min

Lab File: VF062329.D

Acq: 29 Apr 2019 22:51

Instrument :
MSVOA_F
ClientSampled :

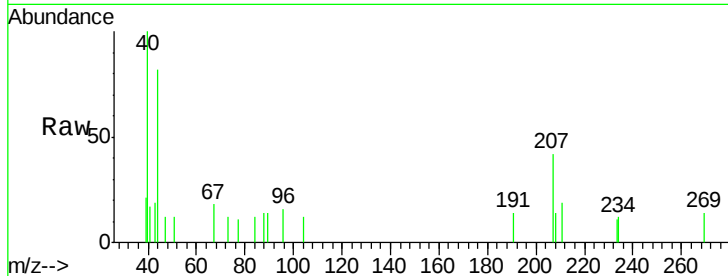
Tot Ion: 88 Resp: 73

Ion Ratio Lower Upper

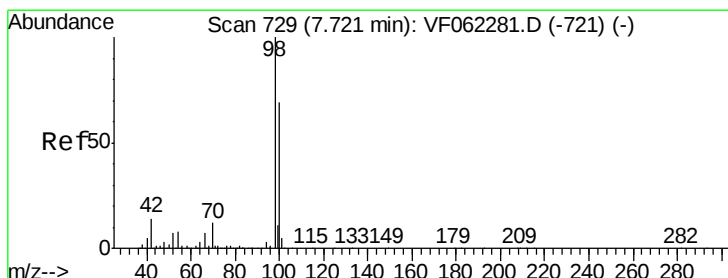
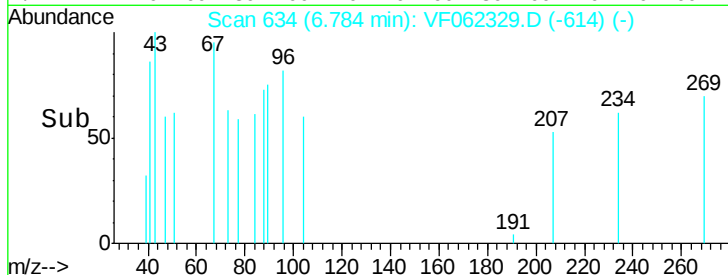
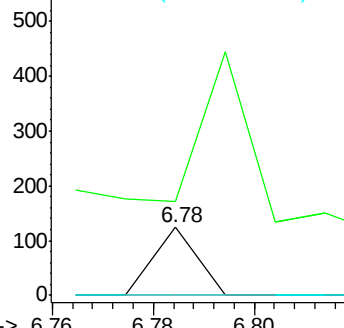
88 100

43 1317.8 34.2 51.4#

58 0.0 50.7 76.1#



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 44.415 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.02 min

Lab File: VF062329.D

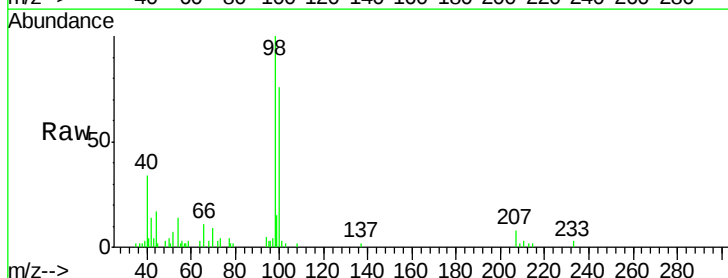
Acq: 29 Apr 2019 22:51

Tgt Ion: 98 Resp: 16914

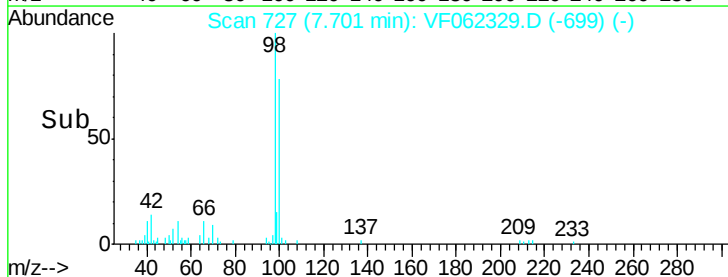
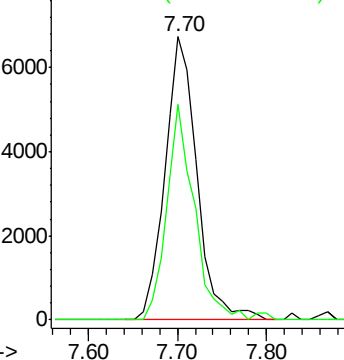
Ion Ratio Lower Upper

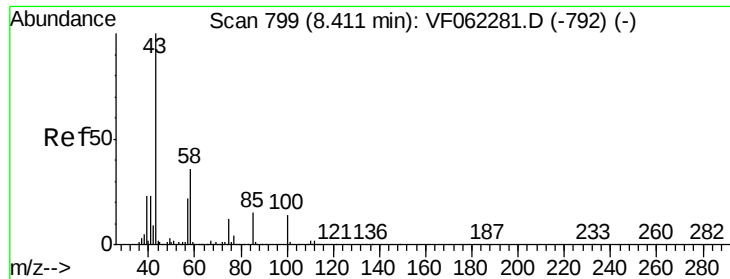
98 100

100 65.6 54.4 81.6



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 10.264 ug/l

RT: 8.37 min Scan# 795

Delta R.T. -0.04 min

Lab File: VF062329.D

Acq: 29 Apr 2019 22:51

Instrument :

MSVOA_F

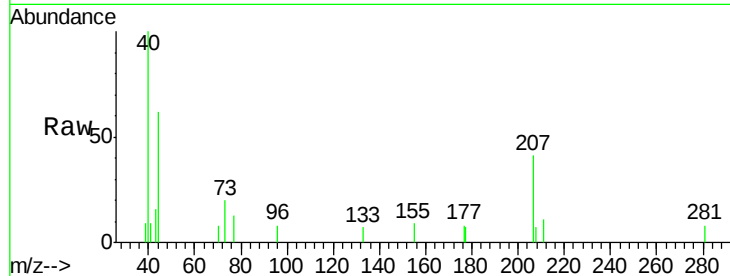
ClientSampleId :

Tot Ion: 43 Resp: 660

Ion Ratio Lower Upper

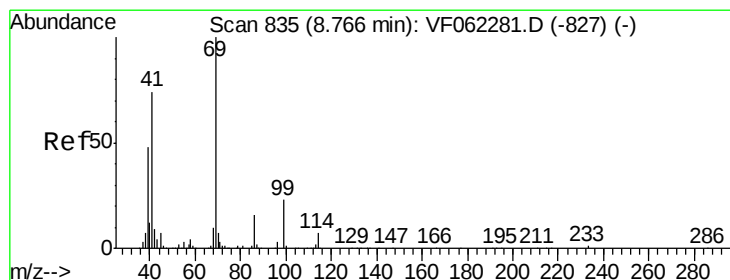
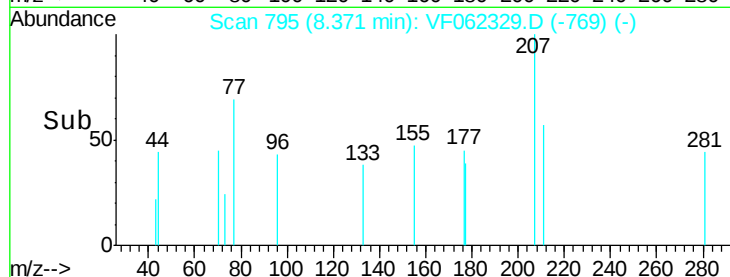
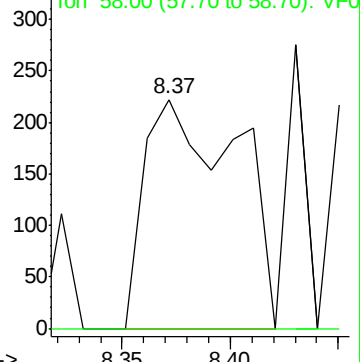
43 100

58 0.0 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#56

Ethyl methacrylate

Concen: 3.188 ug/l

RT: 8.71 min Scan# 829

Delta R.T. -0.06 min

Lab File: VF062329.D

Acq: 29 Apr 2019 22:51

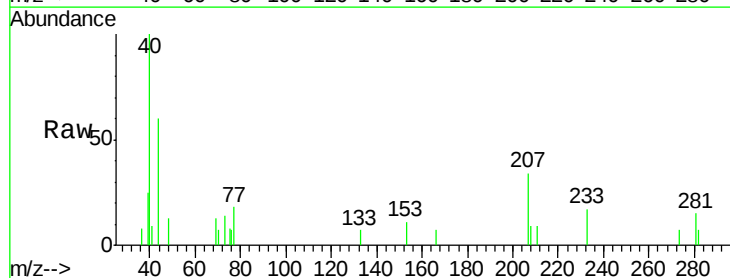
Tgt Ion: 69 Resp: 269

Ion Ratio Lower Upper

69 100

41 98.9 61.5 92.3#

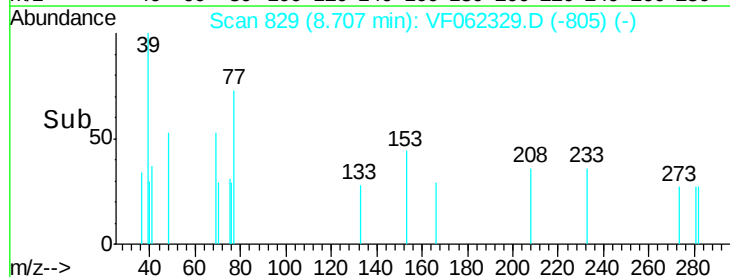
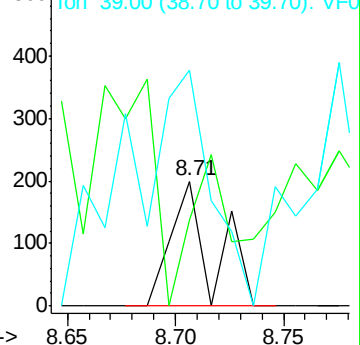
39 384.8 37.9 56.9#

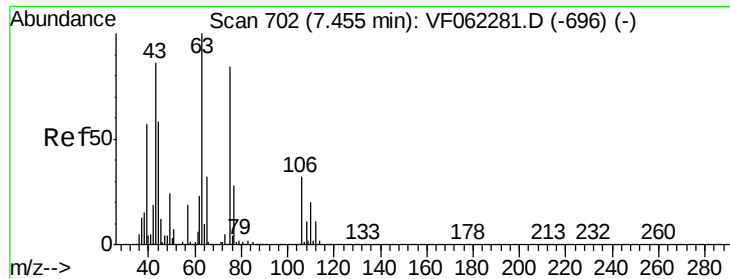


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

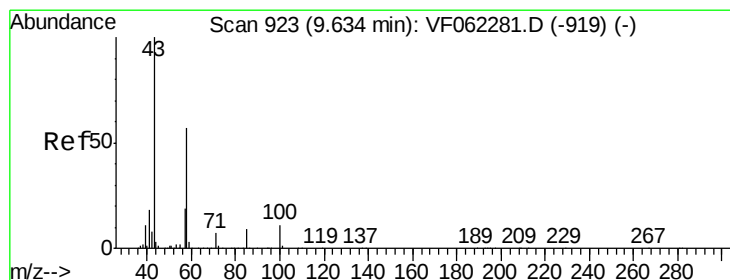
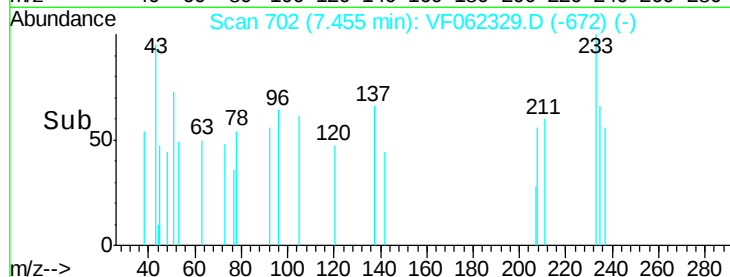
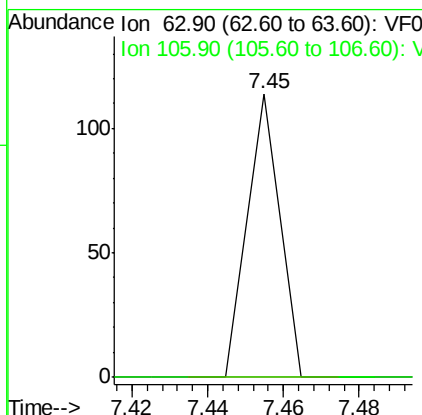
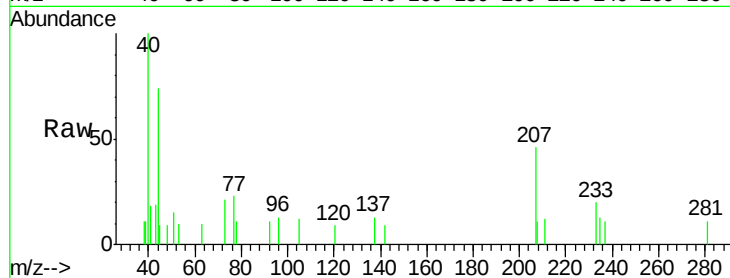




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.609 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. -0.00 min
 Lab File: VF062329.D
 Acq: 29 Apr 2019 22:51

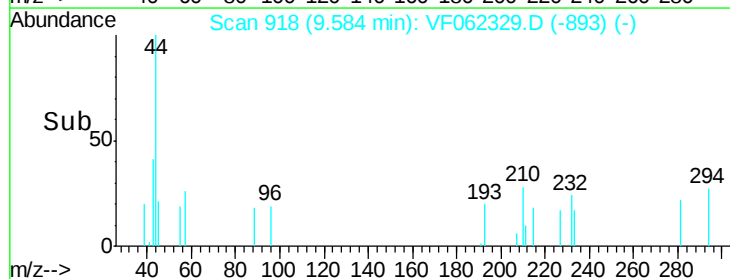
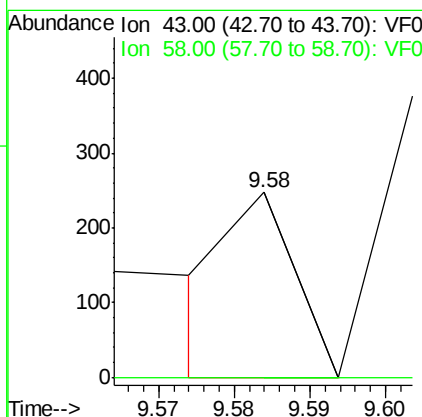
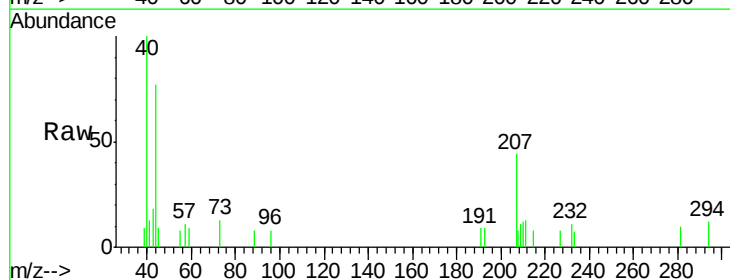
Instrument :
 MSVOA_F
 ClientSampleId :

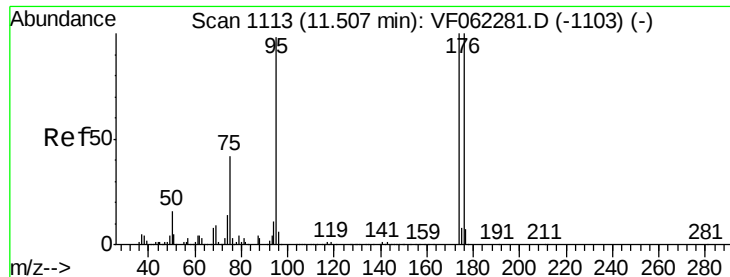
Tot Ion: 63 Resp: 67
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.7 37.1#



#59
 2-Hexanone
 Concen: Below Cal
 RT: 9.58 min Scan# 918
 Delta R.T. -0.05 min
 Lab File: VF062329.D
 Acq: 29 Apr 2019 22:51

Tgt Ion: 43 Resp: 146
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.9 74.7#





#62

4-Bromofluorobenzene

Concen: 22.597 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF062329.D

Acq: 29 Apr 2019 22:51

Instrument :

MSVOA_F

ClientSampleId :

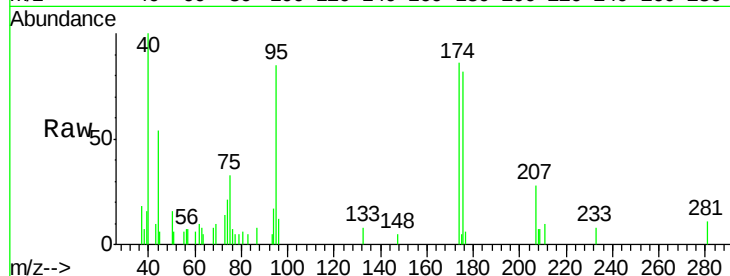
Tot Ion: 95 Resp: 3547

Ion Ratio Lower Upper

95 100

174 104.4 0.0 185.2

176 91.7 0.0 184.8



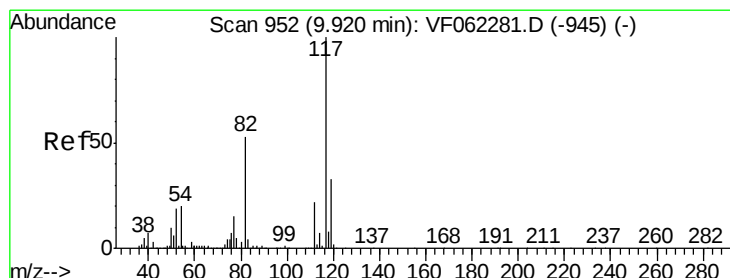
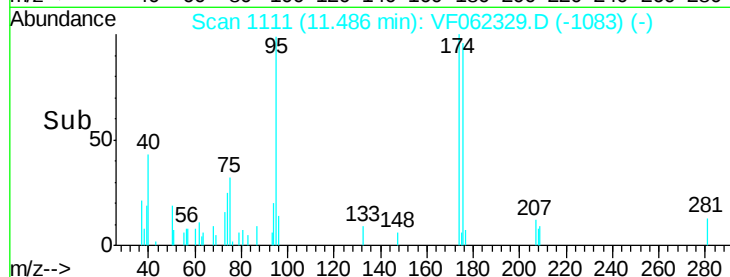
Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): VF0

Ion 175.80 (175.50 to 176.50): VF0

11.49

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 950

Delta R.T. -0.02 min

Lab File: VF062329.D

Acq: 29 Apr 2019 22:51

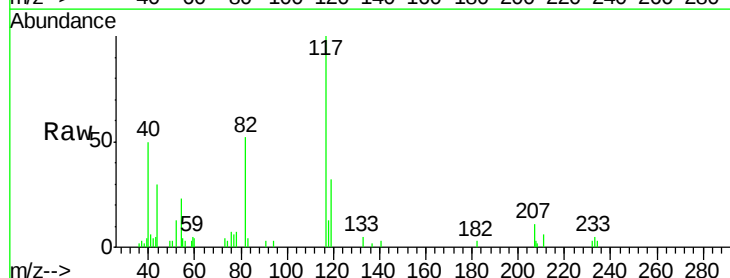
Tgt Ion: 117 Resp: 10500

Ion Ratio Lower Upper

117 100

82 52.4 42.6 64.0

119 31.5 26.1 39.1



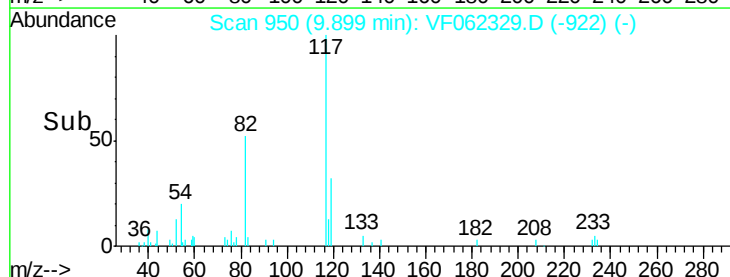
Abundance Ion 116.90 (116.60 to 117.60): VF0

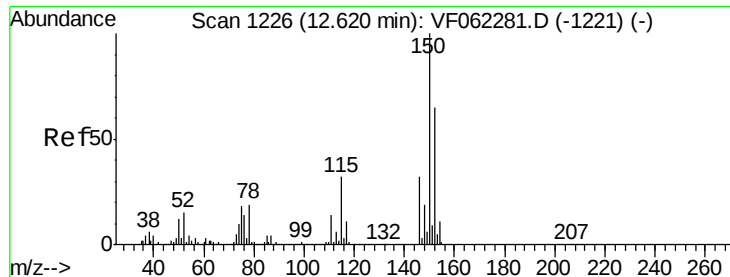
Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): VF0

9.90

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062329.D

Acq: 29 Apr 2019 22:51

Instrument :

MSVOA_F

ClientSampleId :

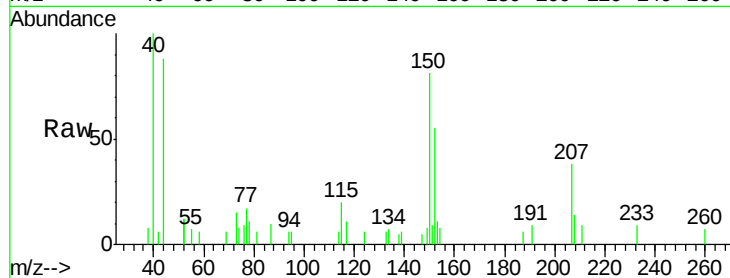
Tot Ion:152 Resp: 2055

Ion Ratio Lower Upper

152 100

115 52.8 25.6 76.8

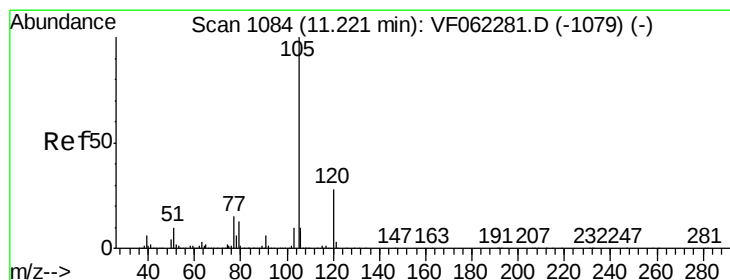
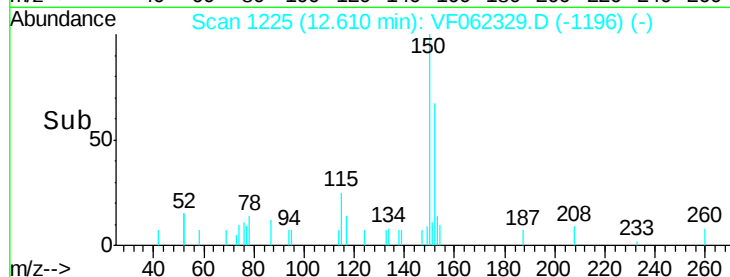
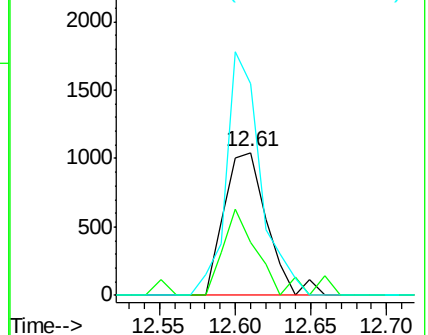
150 137.2 0.0 330.6



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: 1.001 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF062329.D

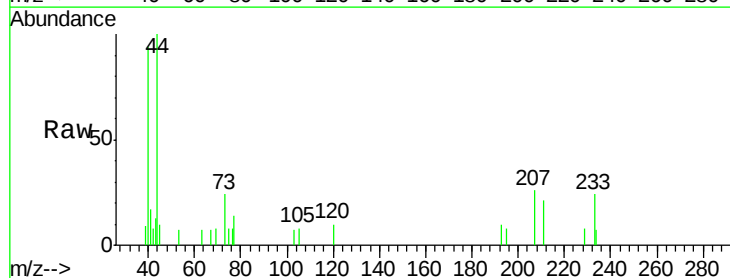
Acq: 29 Apr 2019 22:51

Tgt Ion:105 Resp: 141

Ion Ratio Lower Upper

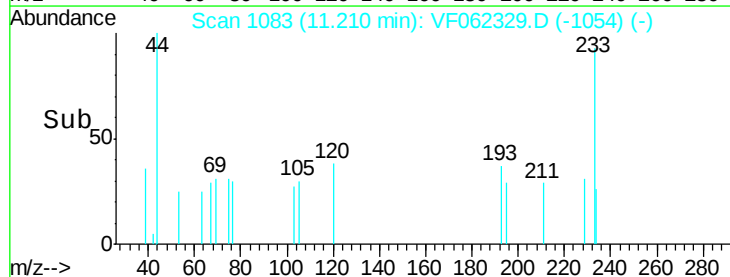
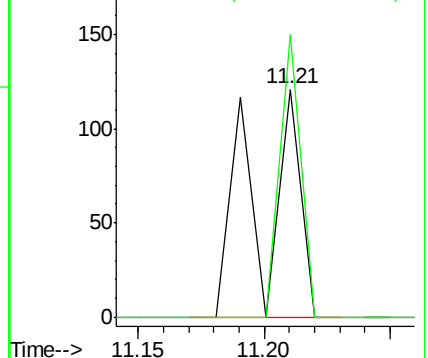
105 100

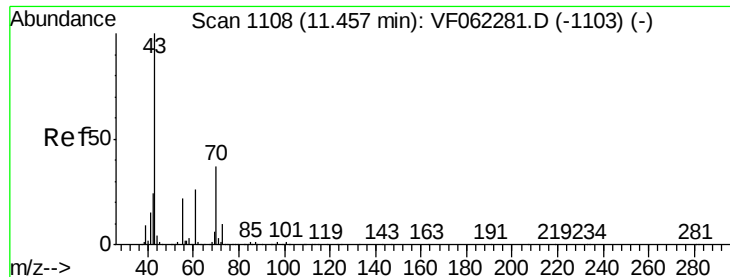
120 63.1 12.4 37.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 19.327 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. 0.02 min

Lab File: VF062329.D

Acq: 29 Apr 2019 22:51

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 43 Resp: 627

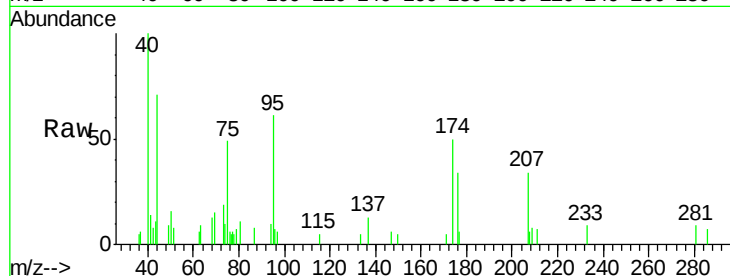
Ion Ratio Lower Upper

43 100

70 0.0 27.8 41.8#

55 56.1 16.6 24.8#

61 0.0 20.0 30.0#

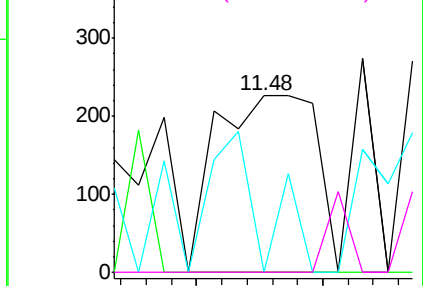
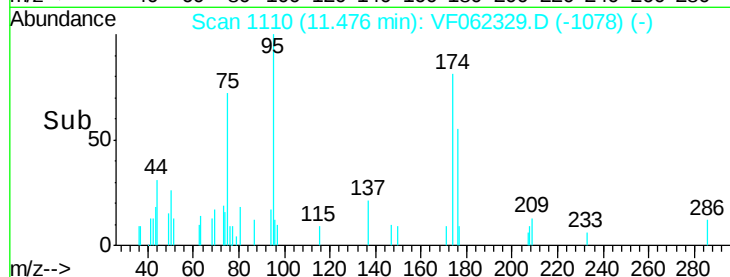


Abundance Ion 43.00 (42.70 to 43.70): VF0

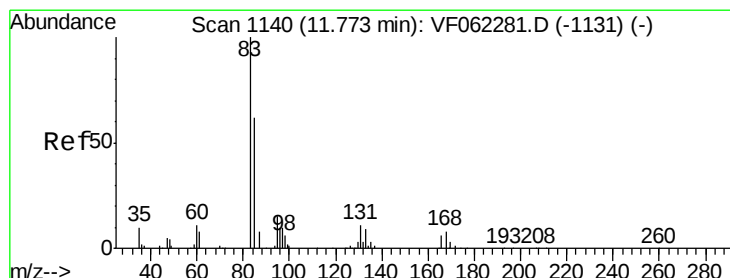
Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 3.487 ug/l

RT: 11.73 min Scan# 1136

Delta R.T. -0.04 min

Lab File: VF062329.D

Acq: 29 Apr 2019 22:51

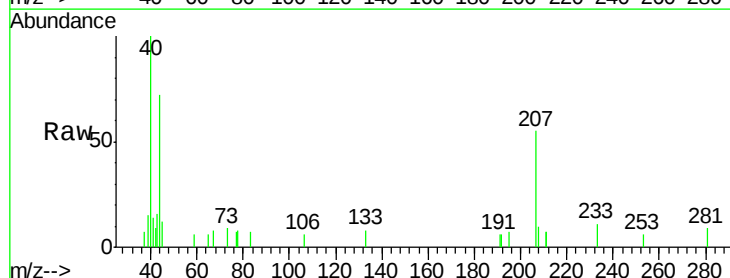
Tgt Ion: 83 Resp: 78

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.5#

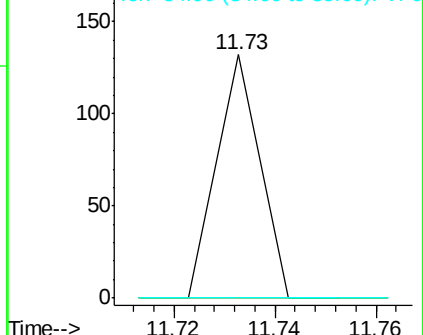
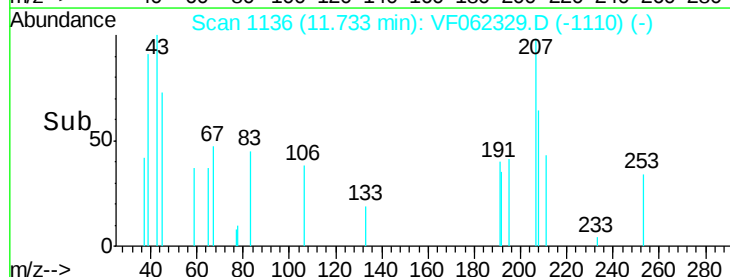
85 0.0 34.5 103.6#



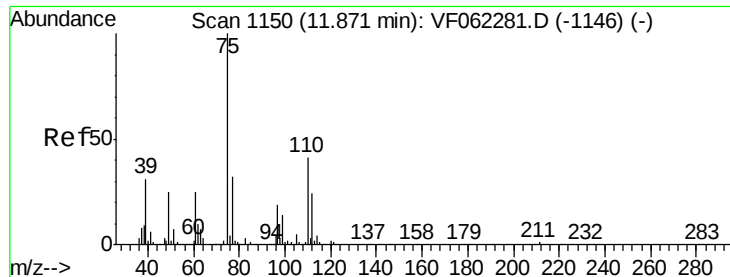
Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



Time-->



#76

1,2,3-Trichloropropane

Concen: 8.569 ug/l

RT: 11.85 min Scan# 1148

Delta R.T. -0.02 min

Lab File: VF062329.D

Acq: 29 Apr 2019 22:51

Instrument :

MSVOA_F

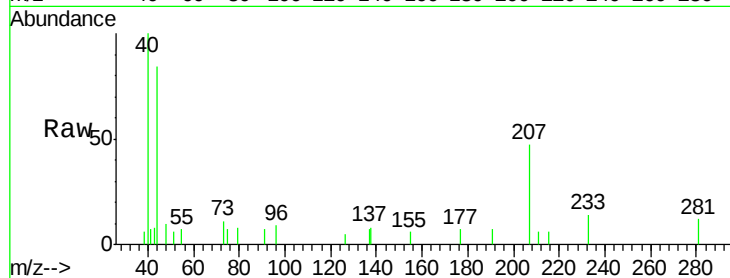
ClientSampled :

Tot Ion: 75 Resp: 136

Ion Ratio Lower Upper

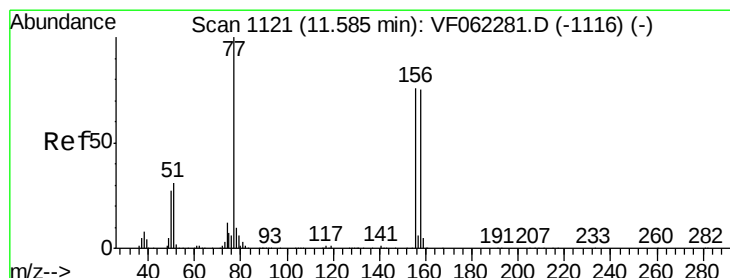
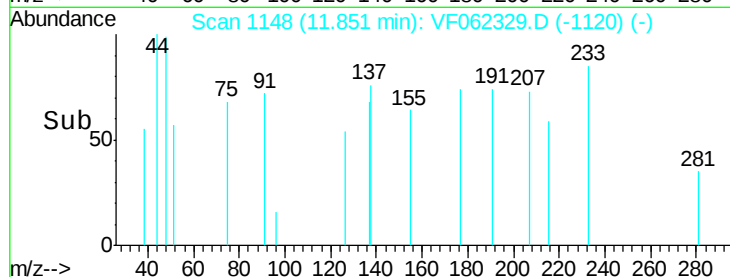
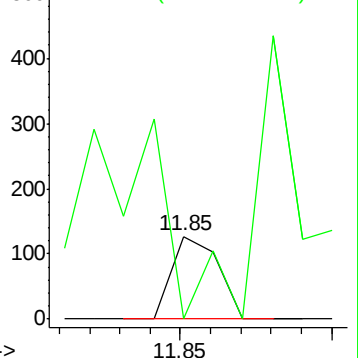
75 100

77 329.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0



#77

Bromobenzene

Concen: 3.012 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. 0.08 min

Lab File: VF062329.D

Acq: 29 Apr 2019 22:51

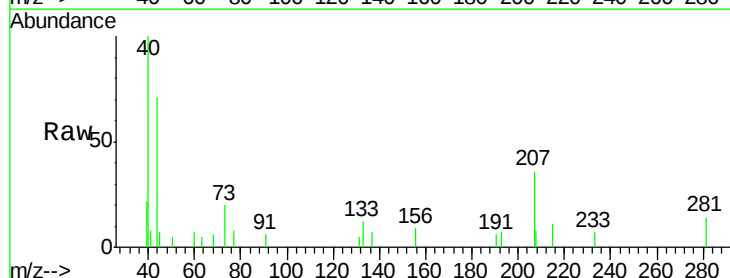
Tgt Ion: 156 Resp: 106

Ion Ratio Lower Upper

156 100

77 0.0 67.3 201.9#

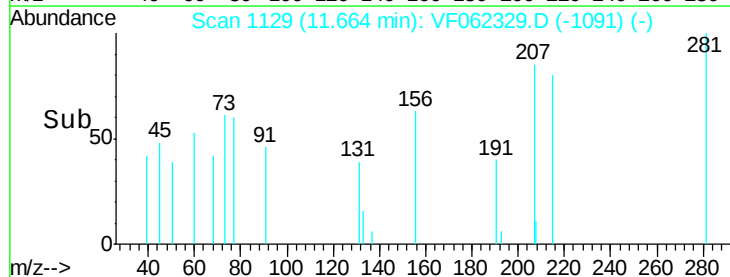
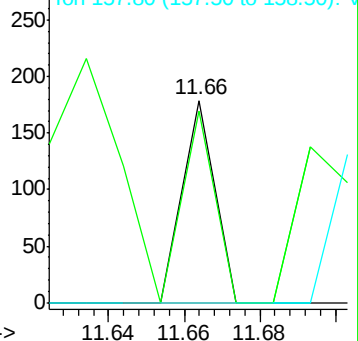
158 0.0 49.5 148.5#

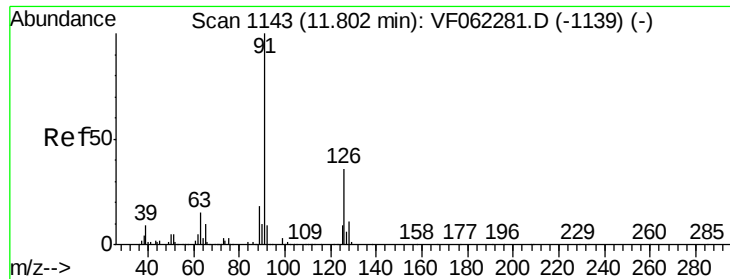


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V

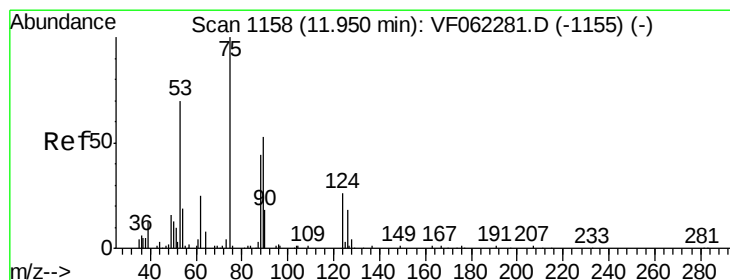
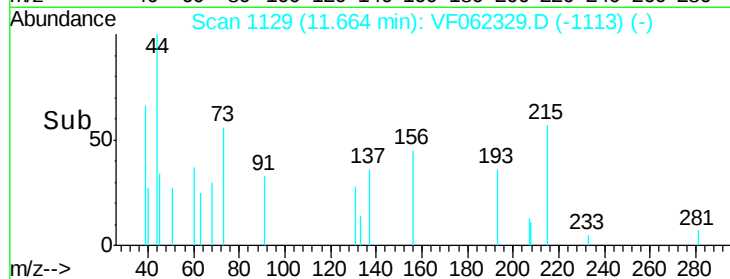
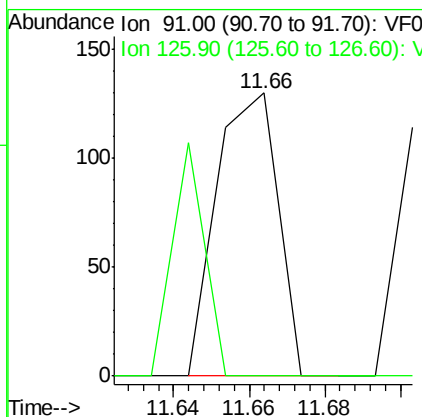
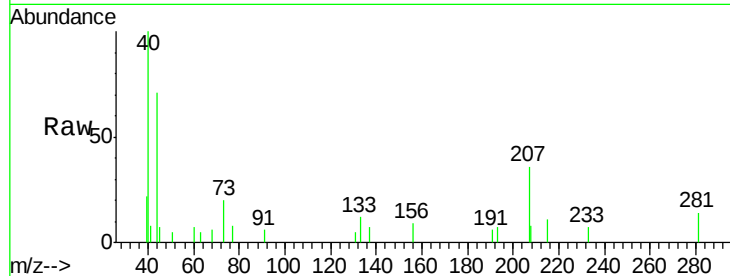




#79
2-Chlorotoluene
Concen: 1.614 ug/l
RT: 11.66 min Scan# 1129
Delta R.T. -0.14 min
Lab File: VF062329.D
Acq: 29 Apr 2019 22:51

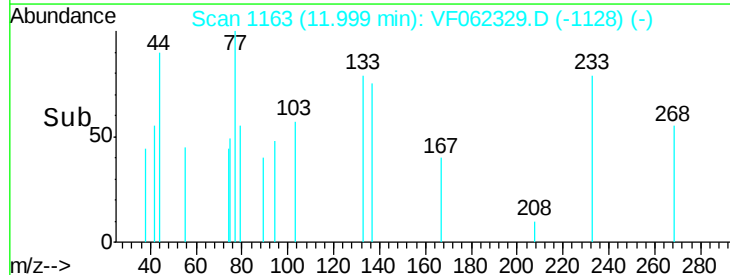
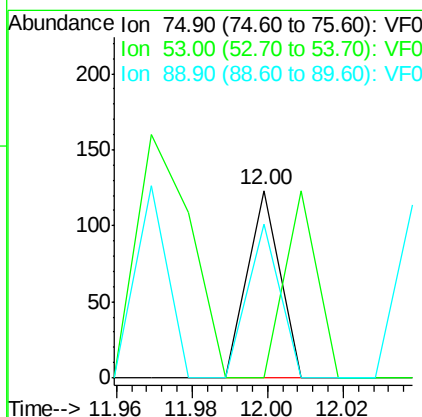
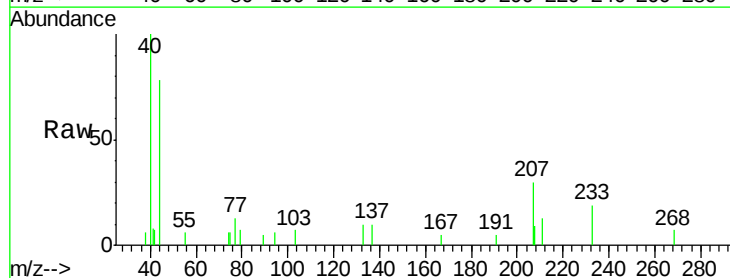
Instrument :
MSVOA_F
ClientSampled :

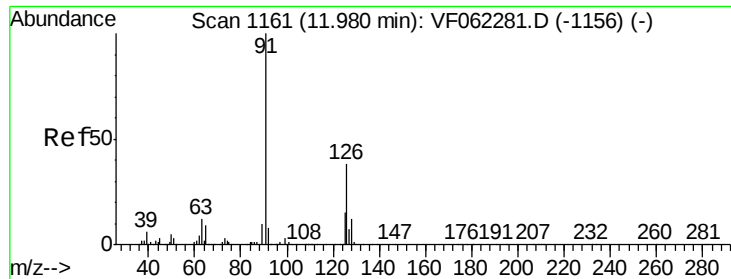
Tot Ion: 91 Resp: 144
Ion Ratio Lower Upper
91 100
126 43.8 17.9 53.8



#81
trans-1,4-Dichloro-2-butene
Concen: 10.290 ug/l
RT: 12.00 min Scan# 1163
Delta R.T. 0.05 min
Lab File: VF062329.D
Acq: 29 Apr 2019 22:51

Tgt Ion: 75 Resp: 73
Ion Ratio Lower Upper
75 100
53 100.0 67.1 100.7
89 82.2 0.0 0.0#

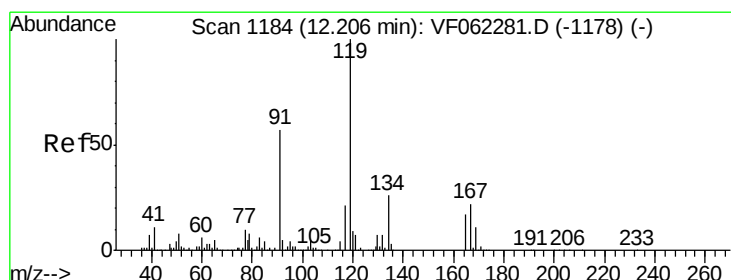
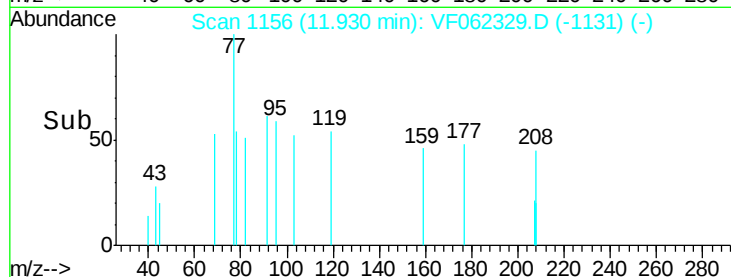
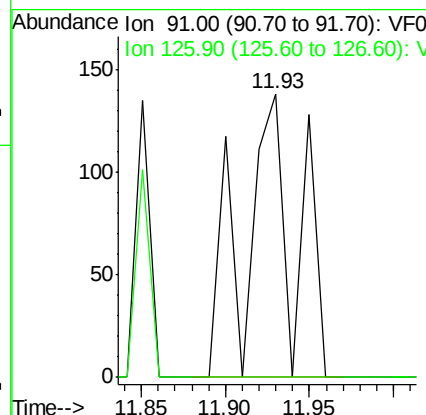
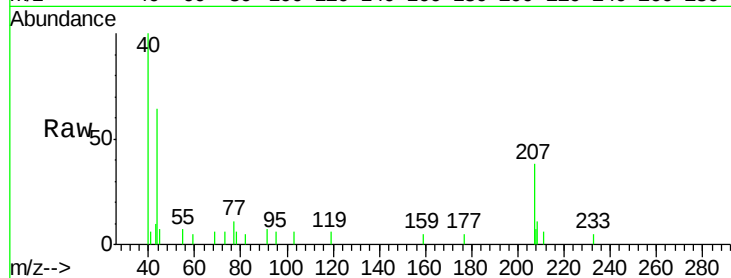




#82
4-Chlorotoluene
Concen: 3.307 ug/l
RT: 11.93 min Scan# 1156
Delta R.T. -0.05 min
Lab File: VF062329.D
Acq: 29 Apr 2019 22:51

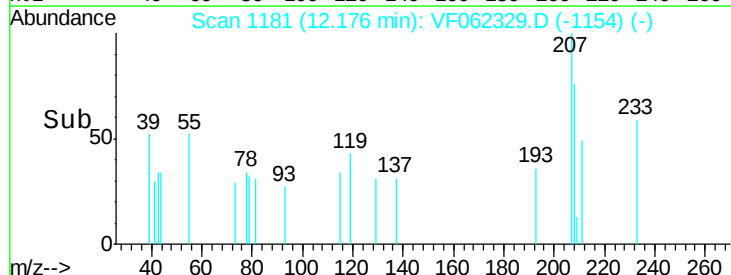
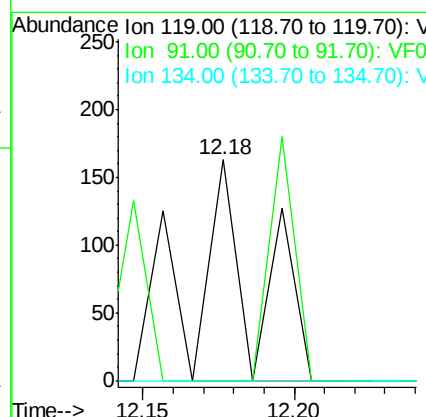
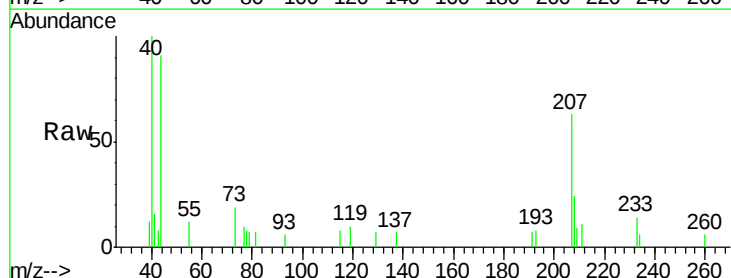
Instrument :
MSVOA_F
ClientSampleId :

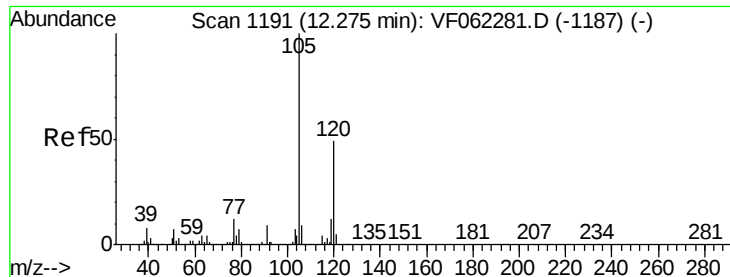
Tot Ion: 91 Resp: 292
Ion Ratio Lower Upper
91 100
126 0.0 17.3 52.0#



#83
tert-Butylbenzene
Concen: 1.410 ug/l
RT: 12.18 min Scan# 1181
Delta R.T. -0.03 min
Lab File: VF062329.D
Acq: 29 Apr 2019 22:51

Tgt Ion: 119 Resp: 172
Ion Ratio Lower Upper
119 100
91 61.6 29.4 88.2
134 0.0 11.9 35.7#

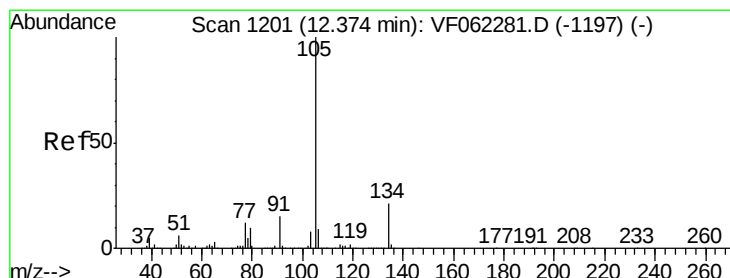
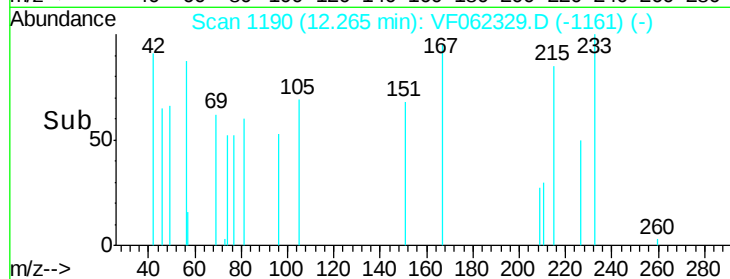
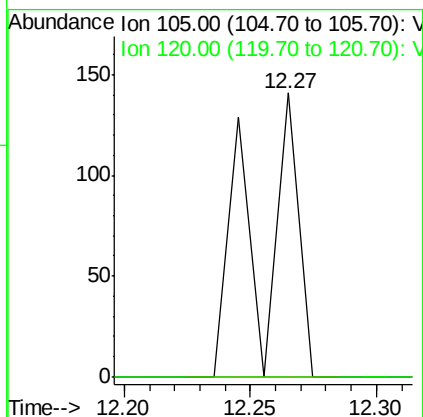
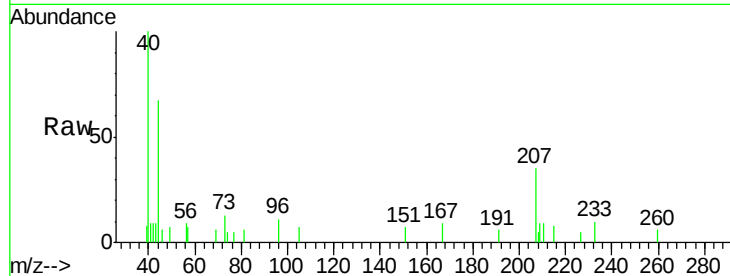




#84
 1,2,4-Trimethylbenzene
 Concen: 1.390 ug/l
 RT: 12.27 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VF062329.D
 Acq: 29 Apr 2019 22:51

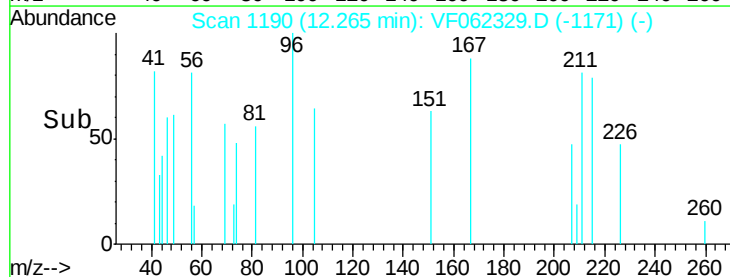
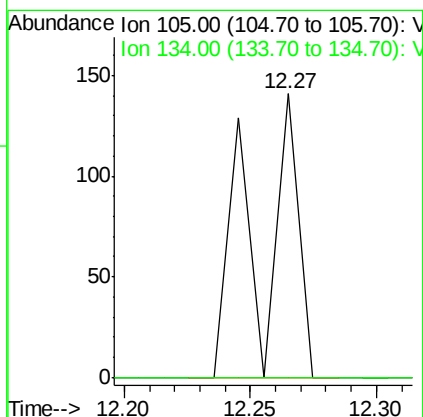
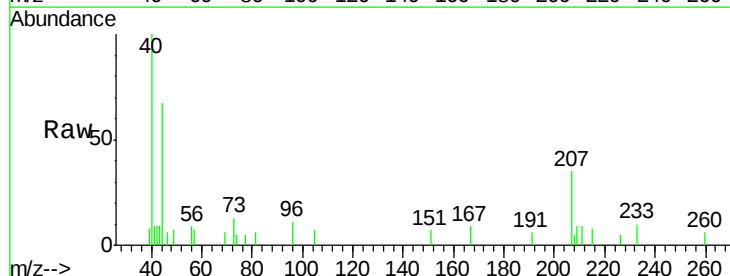
Instrument :
 MSVOA_F
 ClientSampleId :

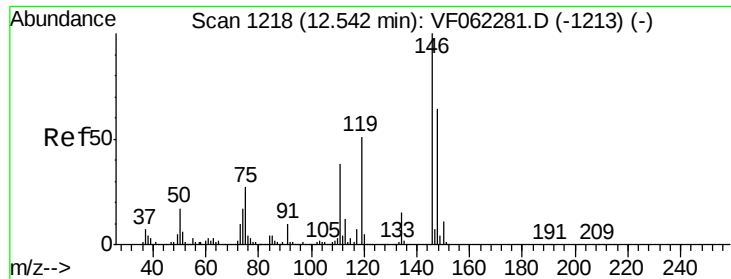
Tot Ion:105 Resp: 160
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.1 72.2#



#85
 sec-Butylbenzene
 Concen: 1.053 ug/l
 RT: 12.27 min Scan# 1190
 Delta R.T. -0.11 min
 Lab File: VF062329.D
 Acq: 29 Apr 2019 22:51

Tgt Ion:105 Resp: 160
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#





#87

1,3-Dichlorobenzene

Concen: 1.156 ug/l

RT: 12.67 min Scan# 1231

Delta R.T. 0.13 min

Lab File: VF062329.D

Acq: 29 Apr 2019 22:51

Instrument :

MSVOA_F

ClientSampleId :

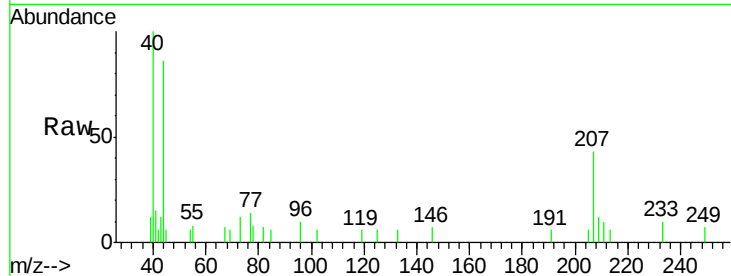
Tot Ion:146 Resp: 72

Ion Ratio Lower Upper

146 100

111 0.0 18.6 55.8#

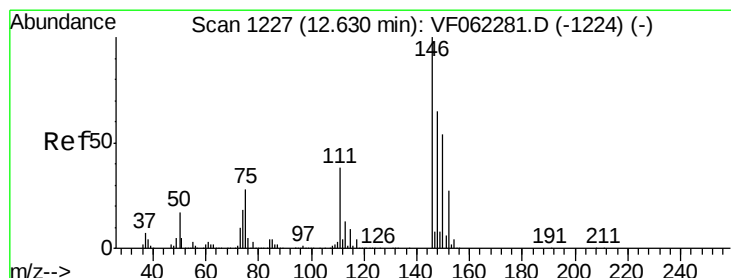
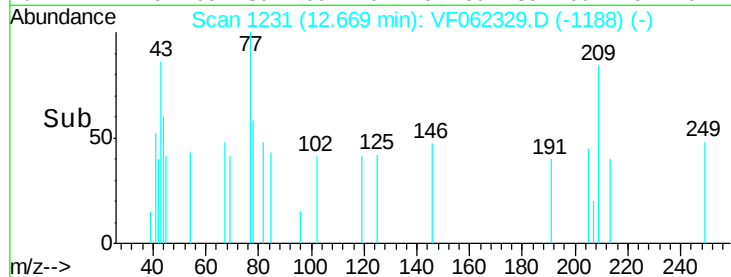
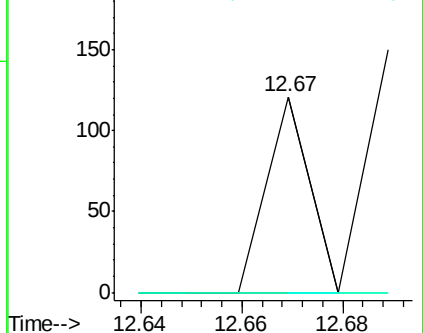
148 0.0 32.8 98.4#



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



#88

1,4-Dichlorobenzene

Concen: 1.219 ug/l

RT: 12.67 min Scan# 1231

Delta R.T. 0.04 min

Lab File: VF062329.D

Acq: 29 Apr 2019 22:51

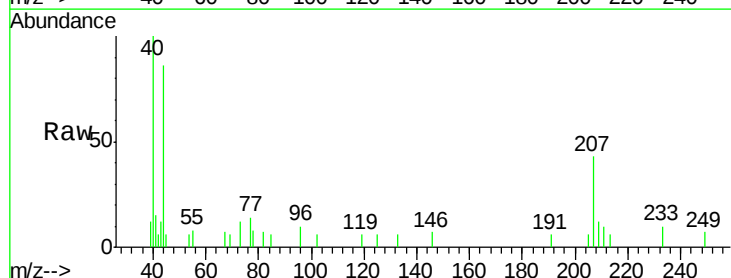
Tgt Ion:146 Resp: 72

Ion Ratio Lower Upper

146 100

111 0.0 18.6 56.0#

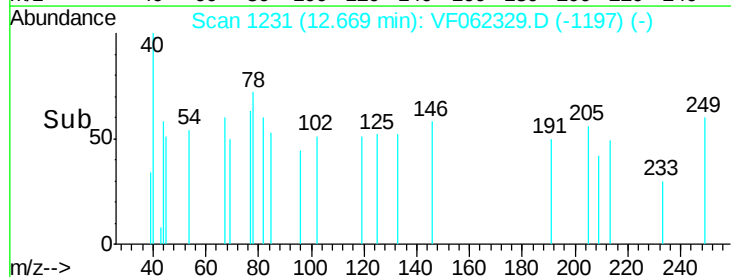
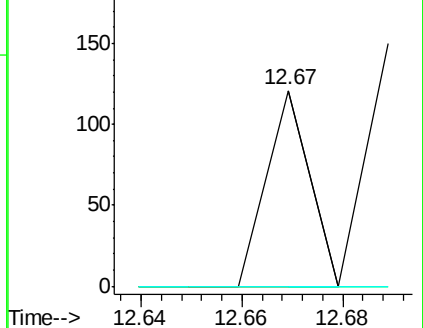
148 0.0 32.5 97.5#

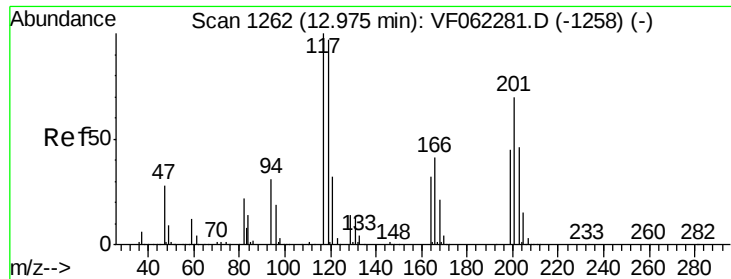


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#90

Hexachloroethane

Concen: 1.992 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.05 min

Lab File: VF062329.D

Acq: 29 Apr 2019 22:51

Instrument :

MSVOA_F

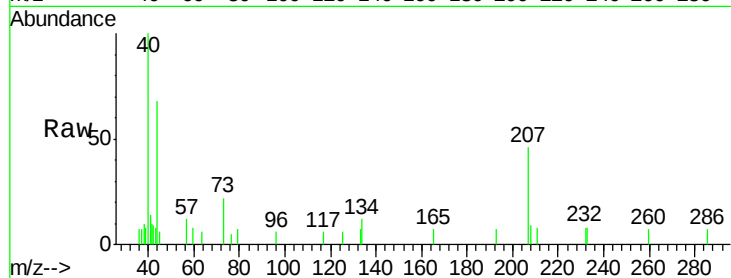
ClientSampleId :

Tot Ion:117 Resp: 68

Ion Ratio Lower Upper

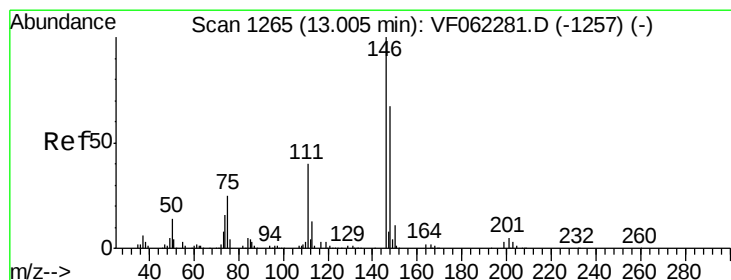
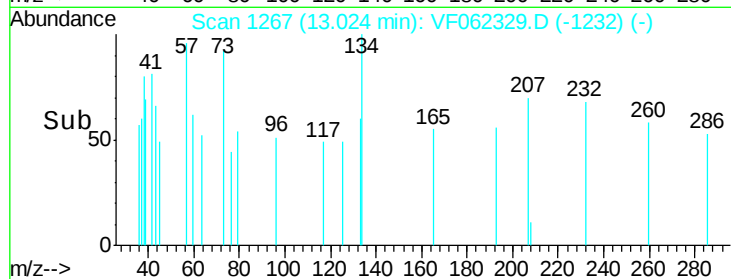
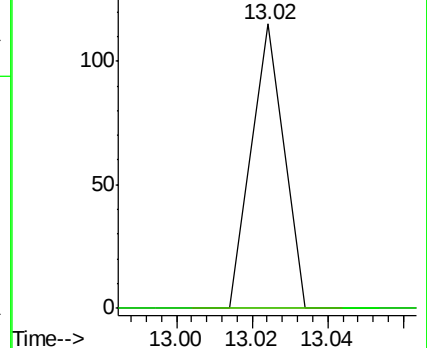
117 100

201 0.0 42.9 128.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 1.138 ug/l

RT: 12.83 min Scan# 1247

Delta R.T. -0.18 min

Lab File: VF062329.D

Acq: 29 Apr 2019 22:51

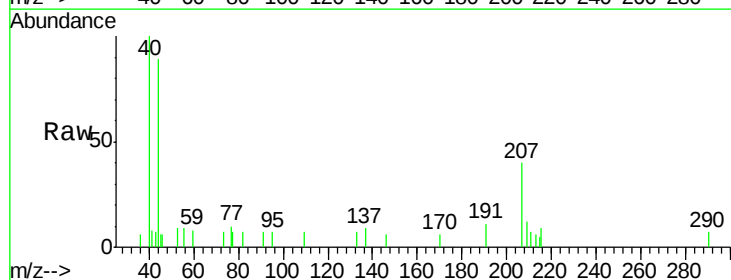
Tgt Ion:146 Resp: 68

Ion Ratio Lower Upper

146 100

111 0.0 20.0 59.9#

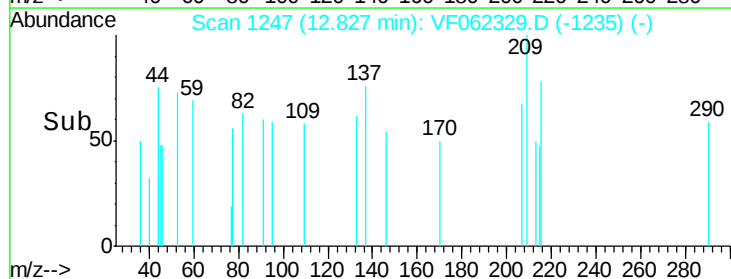
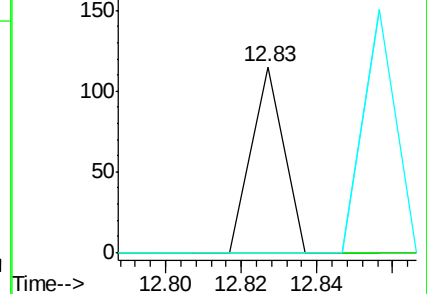
148 0.0 33.1 99.5#

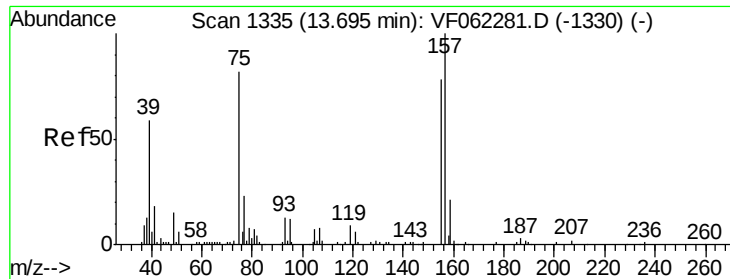


Abundance Ion 145.90 (145.60 to 146.60): V

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: 15.290 ug/l

RT: 13.65 min Scan# 1330

Delta R.T. -0.05 min

Lab File: VF062329.D

Acq: 29 Apr 2019 22:51

Instrument :

MSVOA_F

ClientSampleId :

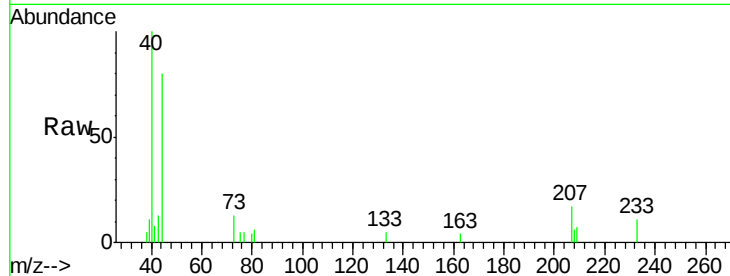
Tot Ion: 75 Resp: 69

Ion Ratio Lower Upper

75 100

155 0.0 51.7 155.2#

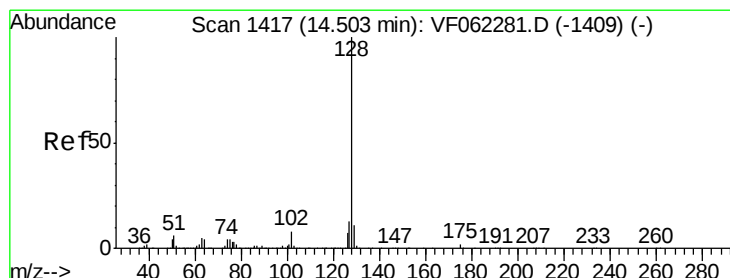
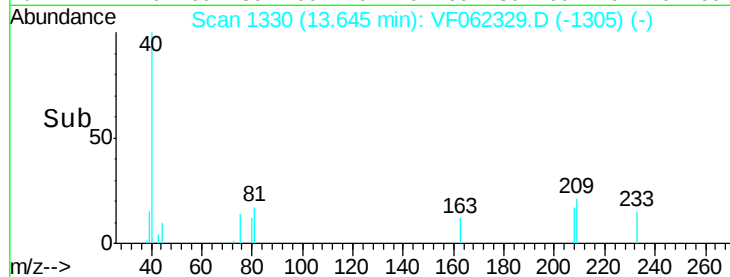
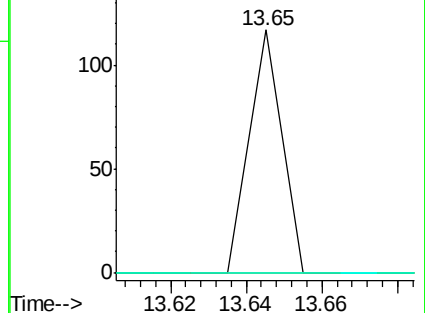
157 0.0 64.5 193.5#



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: 1.033 ug/l

RT: 14.56 min Scan# 1423

Delta R.T. 0.06 min

Lab File: VF062329.D

Acq: 29 Apr 2019 22:51

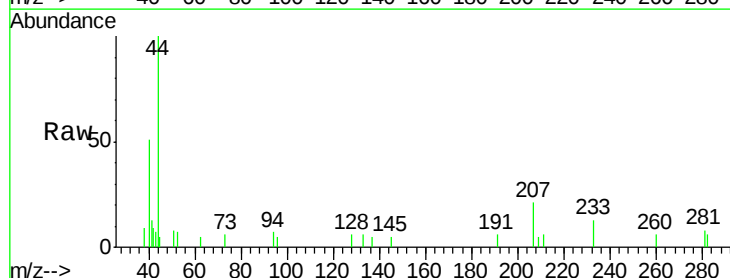
Tgt Ion: 128 Resp: 84

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.9 13.3#



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

