

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010719\
 Data File : VF061279.D
 Acq On : 7 Jan 2019 15:11
 Operator : VA/AP
 Sample : K1012-05
 Misc : 7.97g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EO-02-010419-C

Quant Time: Jan 08 00:15:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 03:27:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	1779	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	2936	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	1628	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	407	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	328	14.52	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	29.04%	
35) Dibromofluoromethane	4.10	113	539	23.86	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	47.72%	
50) Toluene-d8	7.53	98	2952	44.04	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	88.08%	
62) 4-Bromofluorobenzene	11.39	95	537	18.08	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	36.16%	

Target Compounds

						Qvalue
3) Chloromethane	1.11	50	311	11.885	ug/l #	45
4) Vinyl Chloride	1.00	62	66	2.912	ug/l #	41
5) Bromomethane	1.31	94	764	49.302	ug/l #	37
6) Chloroethane	1.46	64	78	7.593	ug/l #	43
8) Diethyl Ether	1.71	74	95	16.326	ug/l	56
10) Methyl Iodide	1.93	142	63	1.913	ug/l #	26
11) Tert butyl alcohol	2.49	59	60	62.966	ug/l #	63
12) 1,1-Dichloroethene	1.79	96	75	4.378	ug/l #	1
13) Acrolein	2.00	56	275	356.038	ug/l	89
14) Allyl chloride	2.07	41	362	15.286	ug/l #	83
15) Acrylonitrile	2.94	53	791	310.501	ug/l #	66
16) Acetone	2.22	43	861	216.944	ug/l #	90
17) Carbon Disulfide	1.92	76	60	1.150	ug/l #	1
18) Methyl Acetate	2.35	43	773	90.134	ug/l #	59
19) Methyl tert-butyl Ether	2.40	73	62	1.736	ug/l #	1
20) Methylene Chloride	2.18	84	59	Below Cal	#	1
21) trans-1,2-Dichloroethene	2.31	96	118	6.550	ug/l #	1
22) Diisopropyl ether	2.75	45	936	15.718	ug/l #	60
23) Vinyl Acetate	3.12	43	1084	39.750	ug/l #	78
24) 1,1-Dichloroethane	2.88	63	77	2.206	ug/l #	87
25) 2-Butanone	4.33	43	150	6.121	ug/l #	62
26) 2,2-Dichloropropane	3.53	77	92	4.576	ug/l #	60
27) cis-1,2-Dichloroethene	3.40	96	69	2.606	ug/l	1
29) Tetrahydrofuran	4.09	42	455	149.201	ug/l #	38
31) Cyclohexane	3.67	56	165	4.459	ug/l #	15
36) 1,1-Dichloropropene	4.28	75	182	5.263	ug/l #	43
37) Ethyl Acetate	4.09	43	195	14.124	ug/l #	1
39) Methylcyclohexane	5.43	83	227	6.141	ug/l #	62
41) Methacrylonitrile	4.72	41	214	29.404	ug/l #	27
43) Isopropyl Acetate	6.92	43	89	4.831	ug/l #	46
47) Bromodichloromethane	6.25	83	73	2.175	ug/l #	24
48) Methyl methacrylate	6.69	41	67	5.617	ug/l #	21
49) 1,4-Dioxane	6.71	88	61	738.023	ug/l #	35
51) 4-Methyl-2-Pentanone	8.24	43	151	3.450	ug/l #	38

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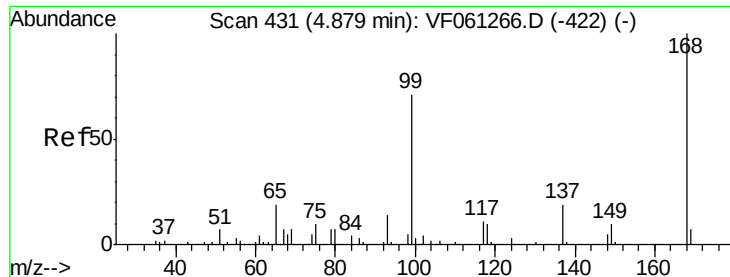
Instrument :
 MSVOA_F
 ClientSampleId :
 EO-02-010419-C

Quant Time: Jan 08 00:15:38 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

52) Toluene	7.61	92	524	10.226	ug/l #	67
54) cis-1,3-Dichloropropene	7.33	75	61	1.754	ug/l #	1
56) Ethyl methacrylate	8.48	69	62	3.807	ug/l #	20
59) 2-Hexanone	9.45	43	352	38.002	ug/l #	28
68) m/p-Xylenes	10.10	106	104	4.683	ug/l #	8
71) Bromoform	10.83	173	76	12.008	ug/l #	34
74) N-amyl acetate	11.39	43	249	28.528	ug/l #	48
78) n-propylbenzene	11.57	91	69	1.674	ug/l #	55
79) 2-Chlorotoluene	11.71	91	60	2.521	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.83	105	63	2.257	ug/l #	28
84) 1,2,4-Trimethylbenzene	12.23	105	66	2.375	ug/l #	30
85) sec-Butylbenzene	12.23	105	66	1.691	ug/l #	58

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF061279.D

Acq: 7 Jan 2019 15:11

Instrument :

MSVOA_F

ClientSampleId :

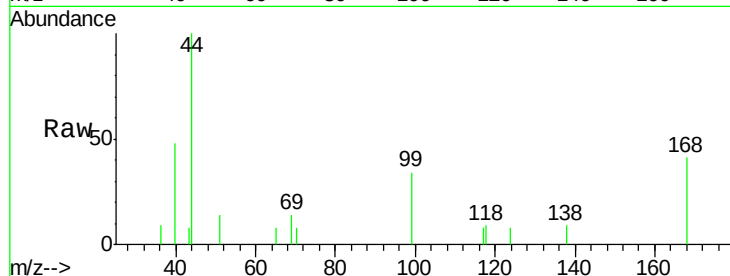
EO-02-010419-C

Tot Ion:168 Resp: 1779

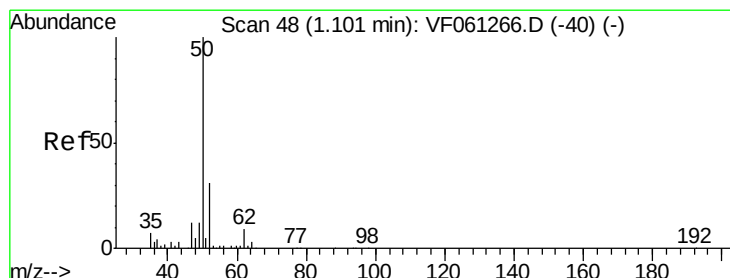
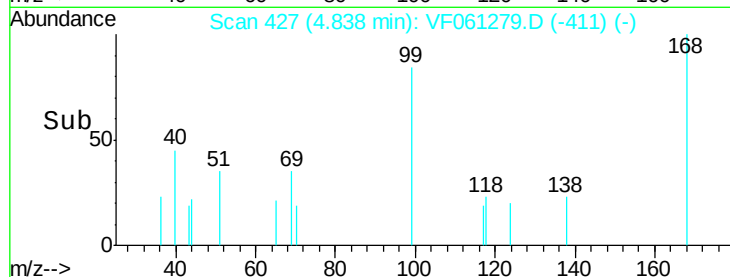
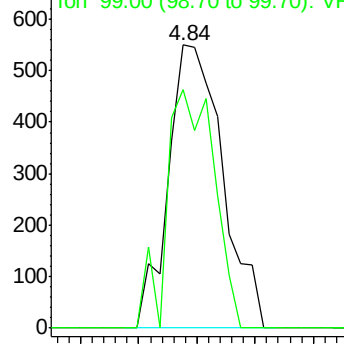
Ion Ratio Lower Upper

168 100

99 84.2 57.0 85.6



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: 11.885 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF061279.D

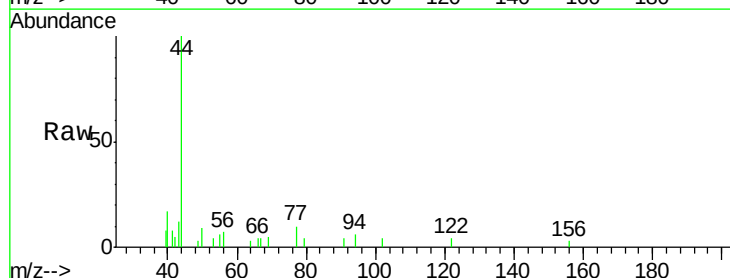
Acq: 7 Jan 2019 15:11

Tgt Ion: 50 Resp: 311

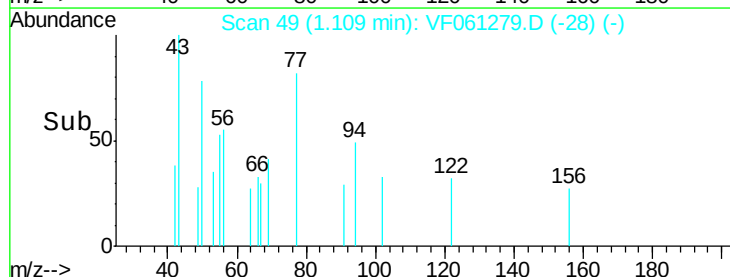
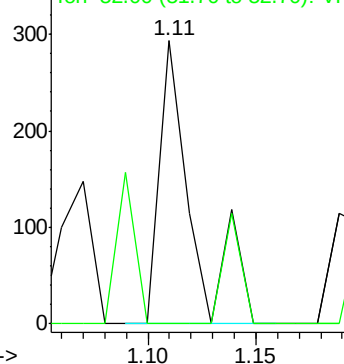
Ion Ratio Lower Upper

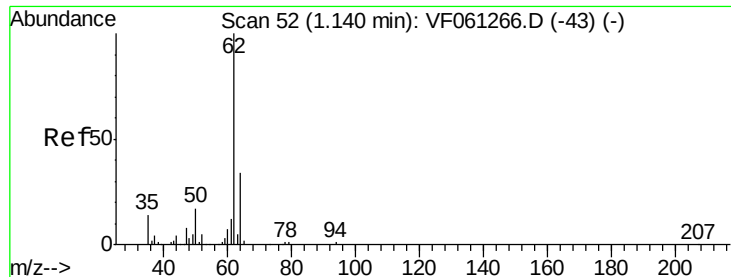
50 100

52 0.0 23.4 35.2#



Abundance Ion 50.00 (49.70 to 50.70): VF0





#4

Vinyl Chloride

Concen: 2.912 ug/l

RT: 1.00 min Scan# 38

Delta R.T. -0.14 min

Lab File: VF061279.D

Acq: 7 Jan 2019 15:11

Instrument :

MSVOA_F

ClientSampleId :

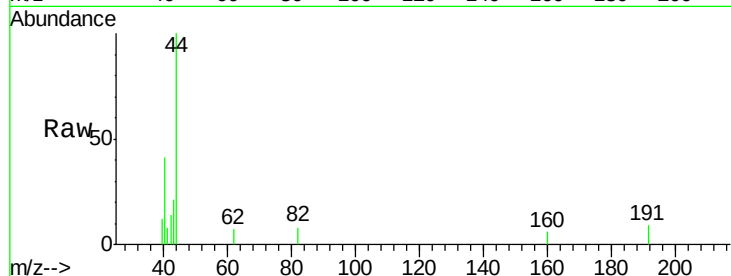
EO-02-010419-C

Tot Ion: 62 Resp: 66

Ion Ratio Lower Upper

62 100

64 0.0 26.9 40.3#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.00

100

80

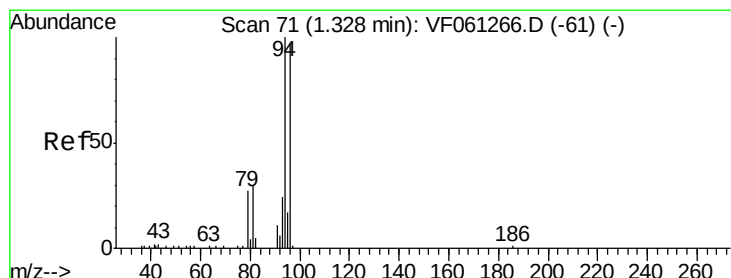
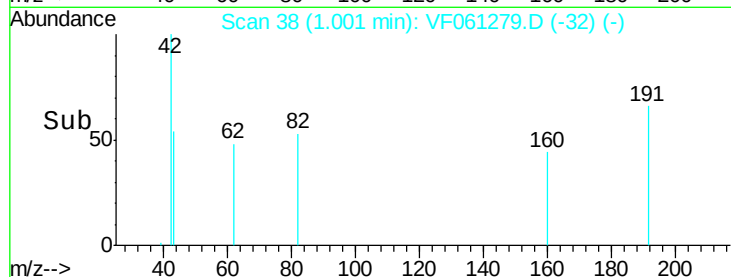
60

40

20

0

Time-->



#5

Bromomethane

Concen: 49.302 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.02 min

Lab File: VF061279.D

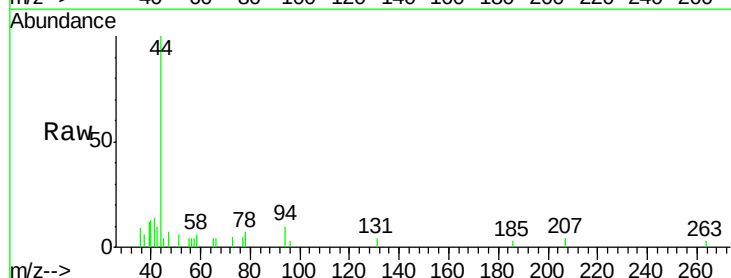
Acq: 7 Jan 2019 15:11

Tgt Ion: 94 Resp: 764

Ion Ratio Lower Upper

94 100

96 34.4 77.2 115.8#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

400

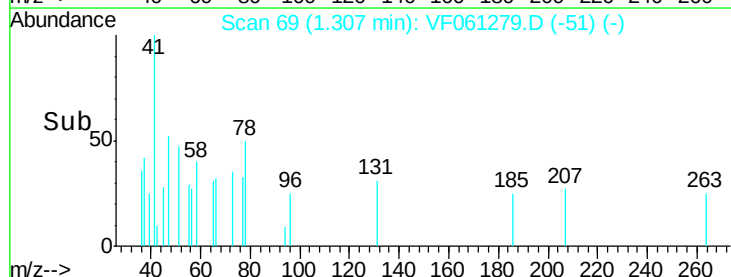
300

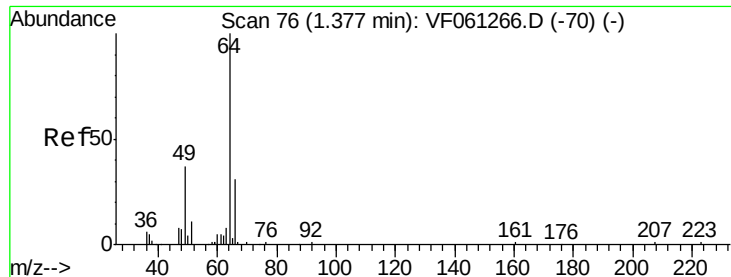
200

100

0

Time-->





#6

Chloroethane

Concen: 7.593 ug/l

RT: 1.46 min Scan# 85

Delta R.T. 0.09 min

Lab File: VF061279.D

Acq: 7 Jan 2019 15:11

Instrument :

MSVOA_F

ClientSampleId :

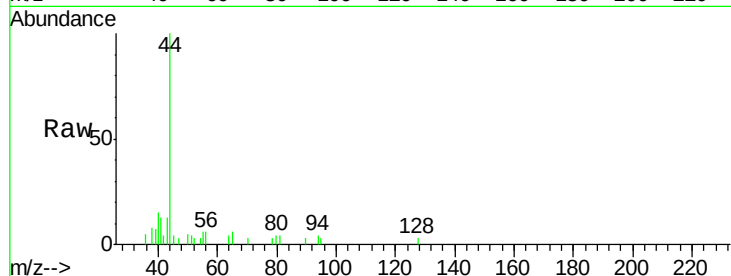
EO-02-010419-C

Tot Ion: 64 Resp: 78

Ion Ratio Lower Upper

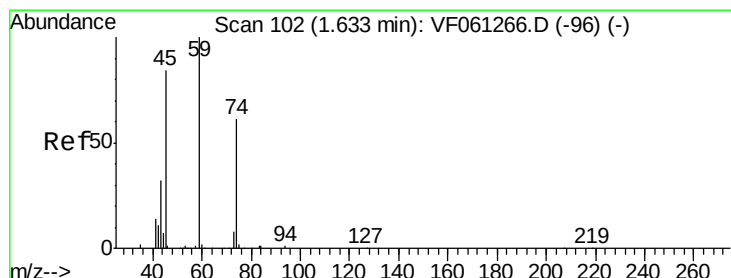
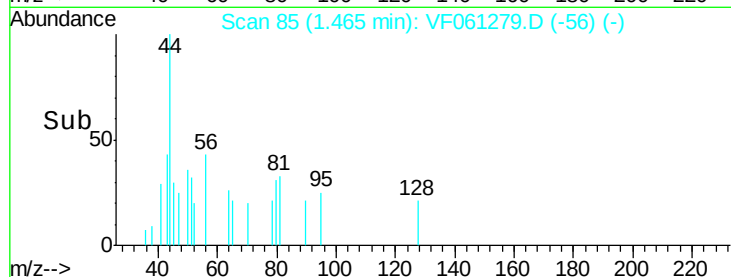
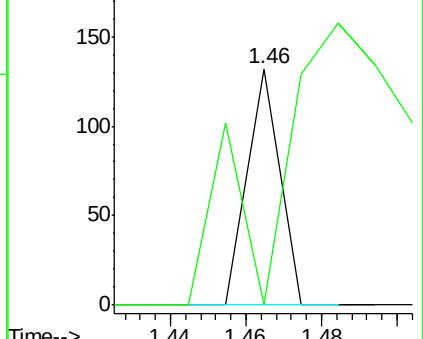
64 100

66 0.0 25.2 37.8#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



#8

Diethyl Ether

Concen: 16.326 ug/l

RT: 1.71 min Scan# 110

Delta R.T. 0.08 min

Lab File: VF061279.D

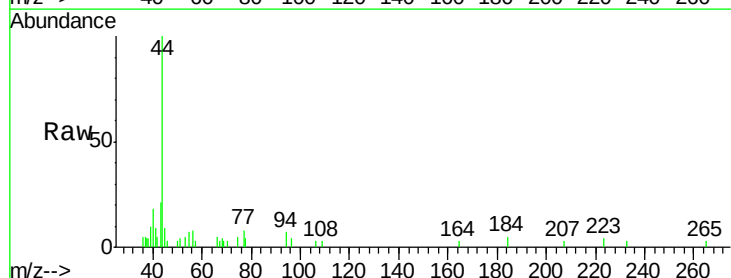
Acq: 7 Jan 2019 15:11

Tgt Ion: 74 Resp: 95

Ion Ratio Lower Upper

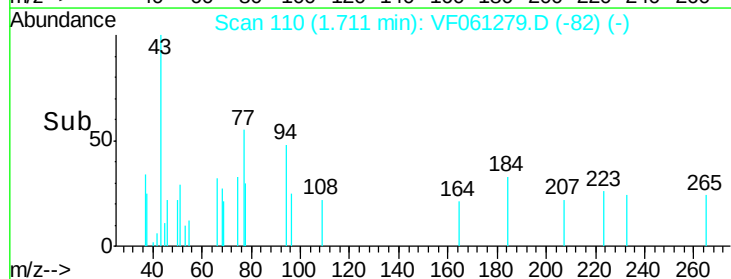
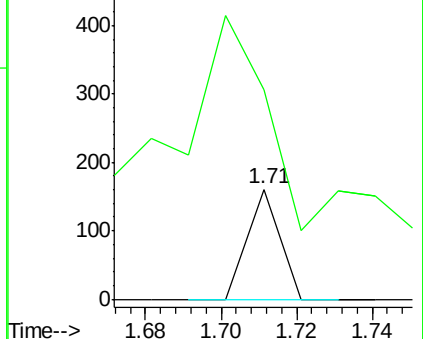
74 100

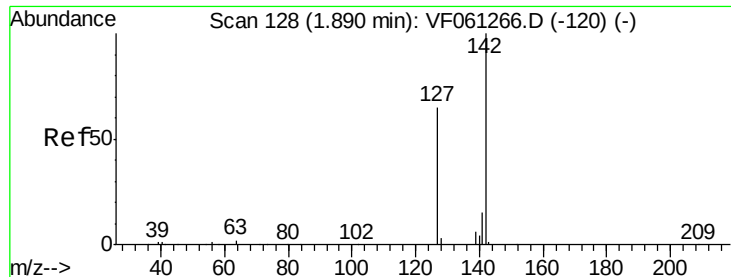
45 190.7 69.0 207.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

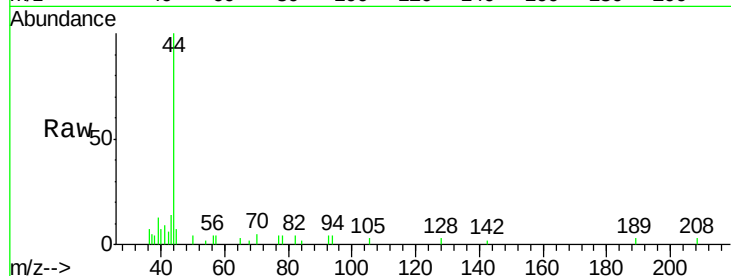




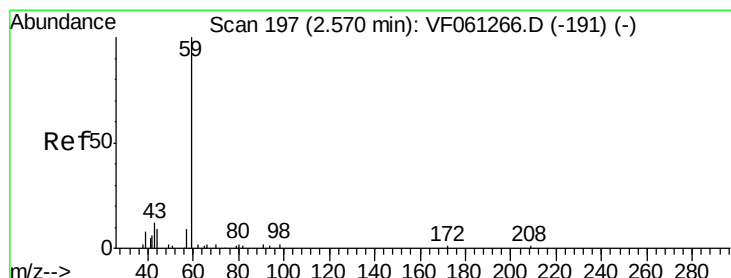
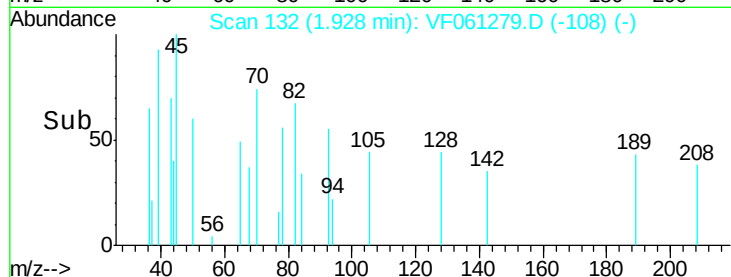
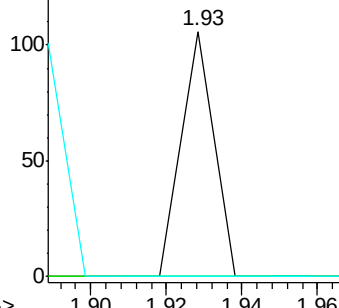
#10
Methyl Iodide
Concen: 1.913 ug/l
RT: 1.93 min Scan# 132
Delta R.T. 0.04 min
Lab File: VF061279.D
Acq: 7 Jan 2019 15:11

Instrument :
MSVOA_F
ClientSampleId :
EO-02-010419-C

Tot Ion:142 Resp: 63
Ion Ratio Lower Upper
142 100
127 0.0 52.3 78.5#
141 0.0 12.2 18.4#

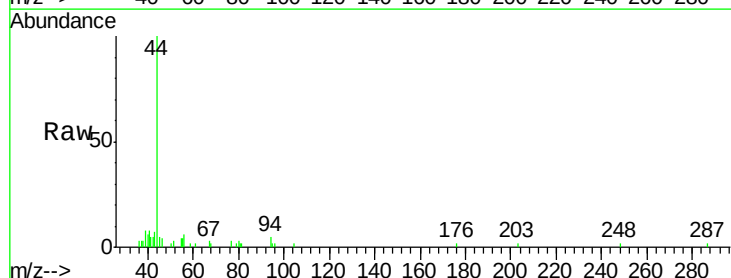


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

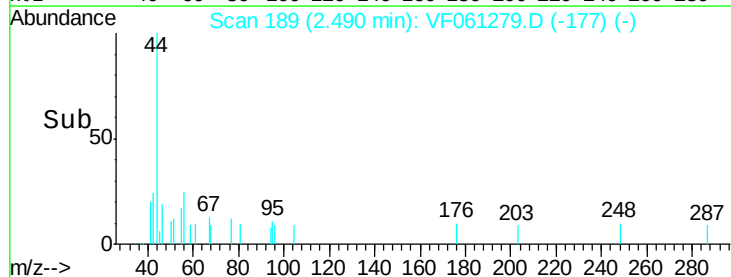
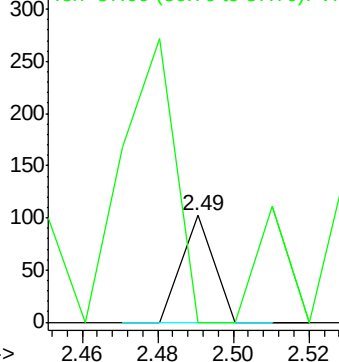


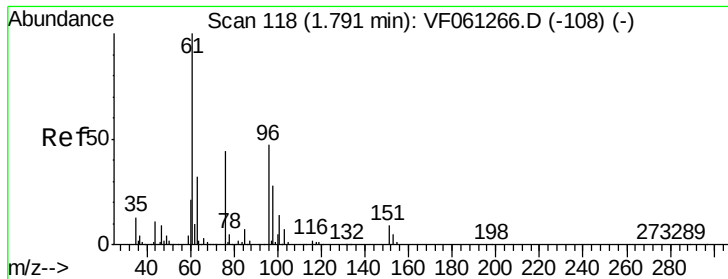
#11
Tert butyl alcohol
Concen: 62.966 ug/l
RT: 2.49 min Scan# 189
Delta R.T. -0.08 min
Lab File: VF061279.D
Acq: 7 Jan 2019 15:11

Tgt Ion: 59 Resp: 60
Ion Ratio Lower Upper
59 100
57 0.0 12.6 18.8#



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





#12

1,1-Dichloroethene

Concen: 4.378 ug/l

RT: 1.79 min Scan# 118

Delta R.T. -0.00 min

Lab File: VF061279.D

Acq: 7 Jan 2019 15:11

Instrument :

MSVOA_F

ClientSampleId :

EO-02-010419-C

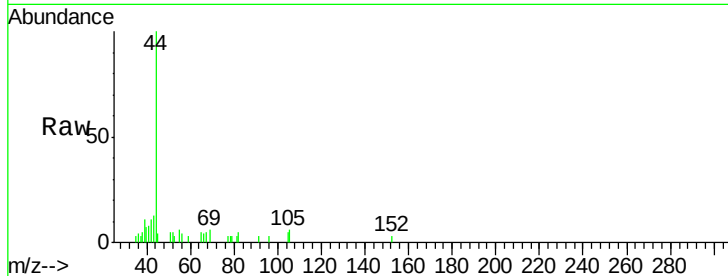
Tot Ion: 96 Resp: 75

Ion Ratio Lower Upper

96 100

61 0.0 171.6 257.4#

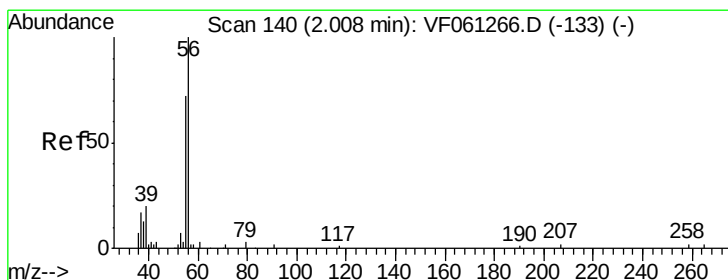
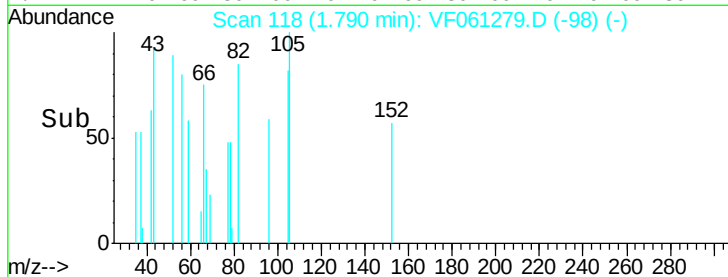
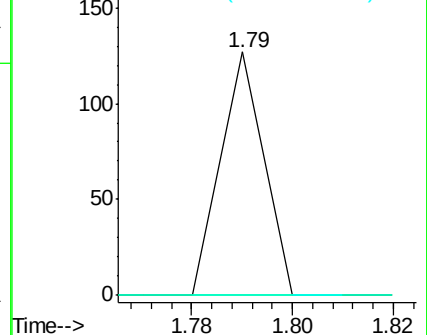
98 0.0 48.6 72.8#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#13

Acrolein

Concen: 356.038 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF061279.D

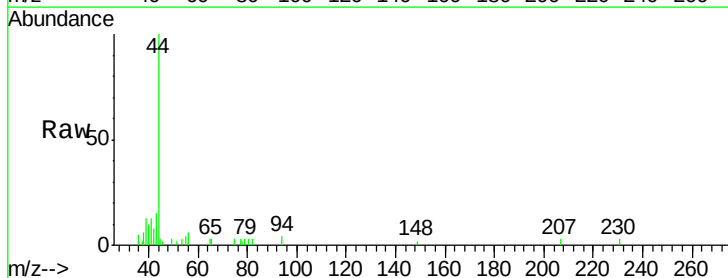
Acq: 7 Jan 2019 15:11

Tgt Ion: 56 Resp: 275

Ion Ratio Lower Upper

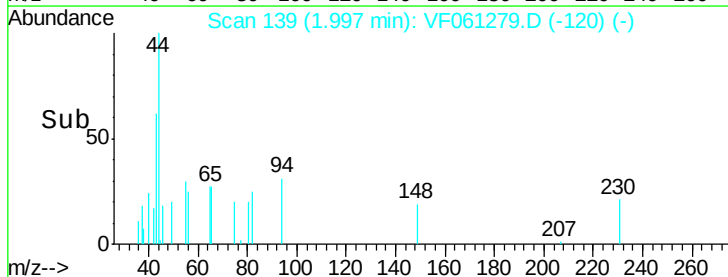
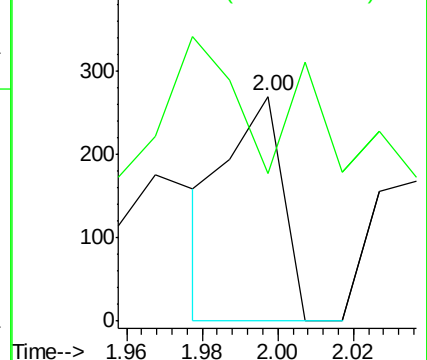
56 100

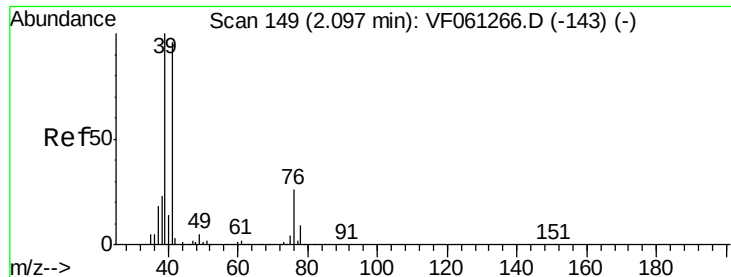
55 65.6 59.7 89.5



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

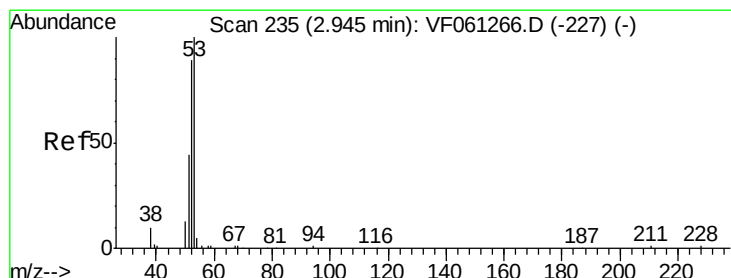
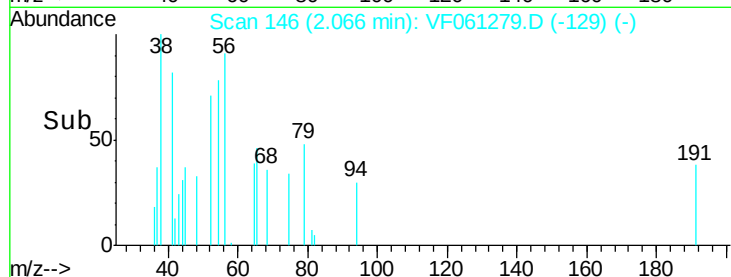
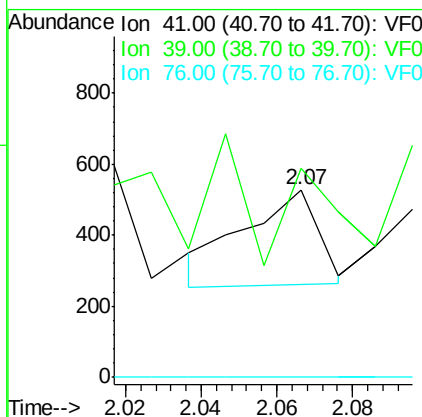
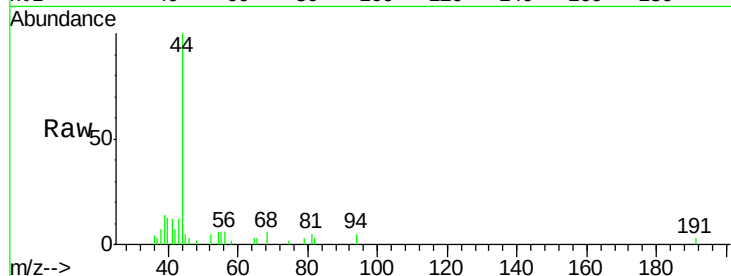




#14
Allvl chloride
Concen: 15.286 ug/l
RT: 2.07 min Scan# 146
Delta R.T. -0.03 min
Lab File: VF061279.D
Acq: 7 Jan 2019 15:11

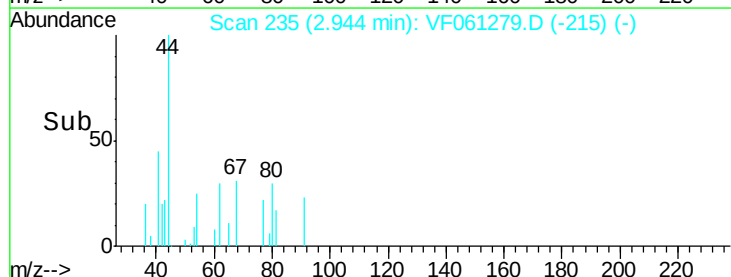
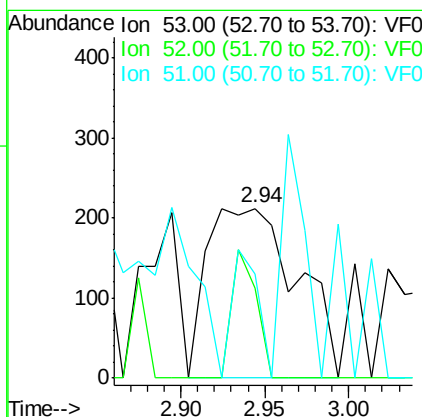
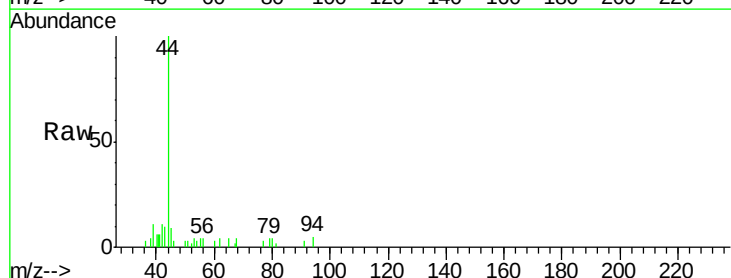
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EO-02-010419-C

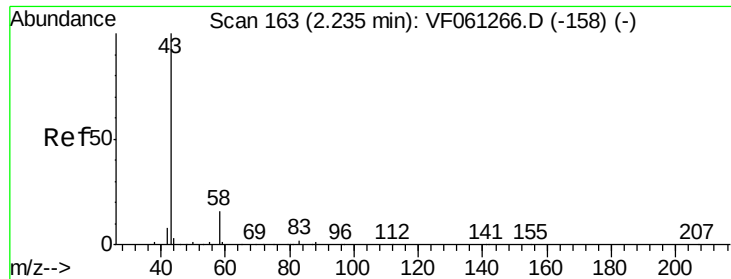
Tot Ion: 41 Resp: 362
Ion Ratio Lower Upper
41 100
39 111.0 83.4 125.2
76 0.0 23.9 35.9#



#15
Acrylonitrile
Concen: 310.501 ug/l
RT: 2.94 min Scan# 235
Delta R.T. -0.00 min
Lab File: VF061279.D
Acq: 7 Jan 2019 15:11

Tgt Ion: 53 Resp: 791
Ion Ratio Lower Upper
53 100
52 53.3 71.3 106.9#
51 61.3 36.2 54.4#





#16

Acetone

Concen: 216.944 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061279.D

Acq: 7 Jan 2019 15:11

Instrument :

MSVOA_F

ClientSampleId :

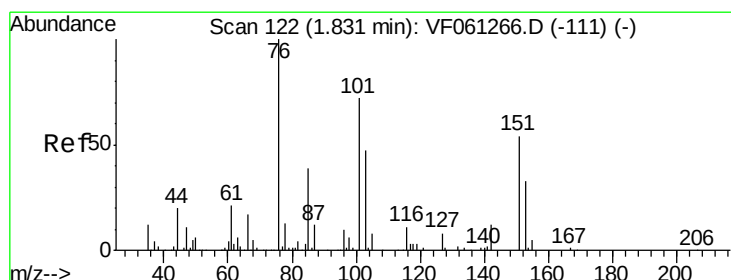
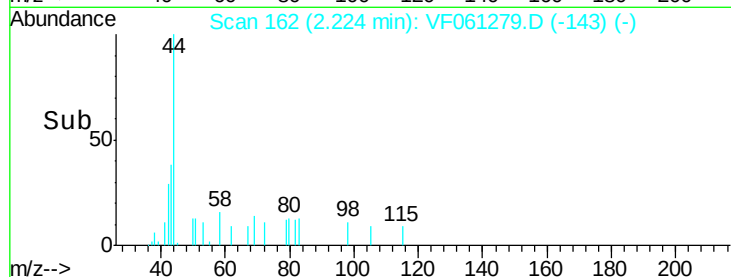
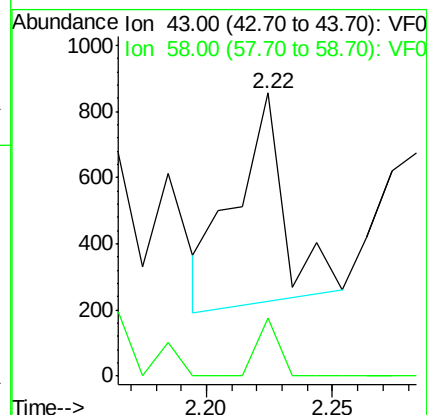
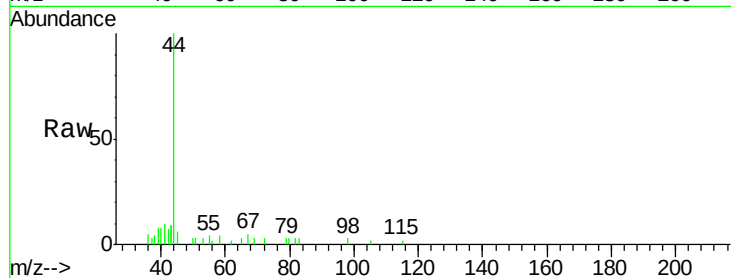
EO-02-010419-C

Tot Ion: 43 Resp: 861

Ion Ratio Lower Upper

43 100

58 20.4 13.0 19.4#



#17

Carbon Disulfide

Concen: 1.150 ug/l

RT: 1.92 min Scan# 131

Delta R.T. 0.09 min

Lab File: VF061279.D

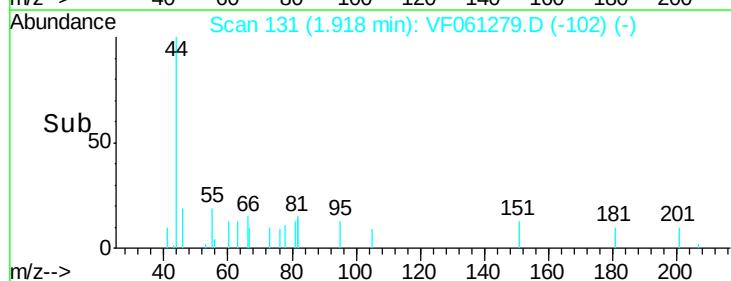
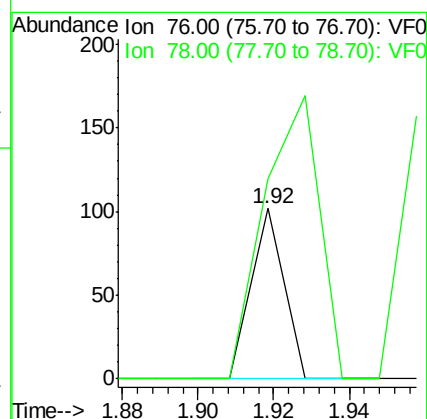
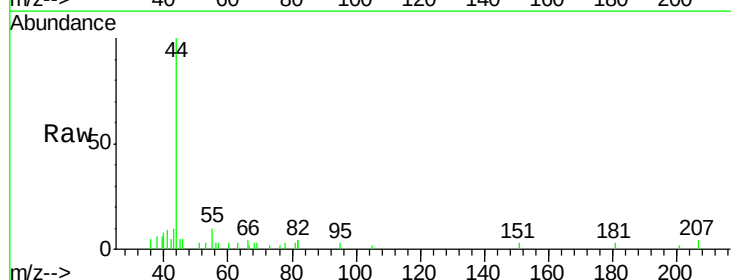
Acq: 7 Jan 2019 15:11

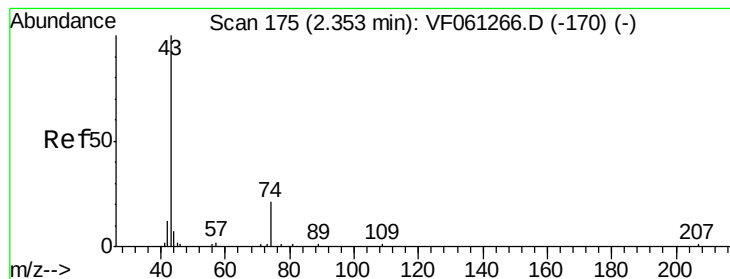
Tgt Ion: 76 Resp: 60

Ion Ratio Lower Upper

76 100

78 117.6 10.2 15.4#





#18

Methyl Acetate

Concen: 90.134 ug/l

RT: 2.35 min Scan# 175

Delta R.T. -0.00 min

Lab File: VF061279.D

Acq: 7 Jan 2019 15:11

Instrument :

MSVOA_F

ClientSampleId :

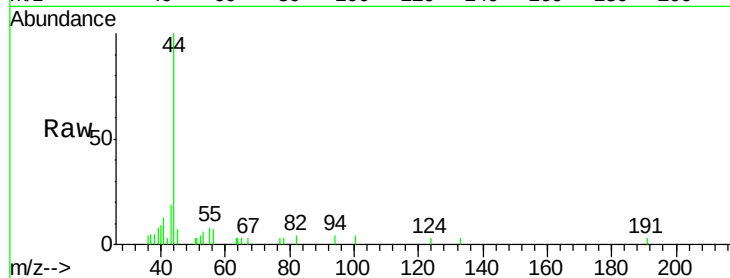
EO-02-010419-C

Tot Ion: 43 Resp: 773

Ion Ratio Lower Upper

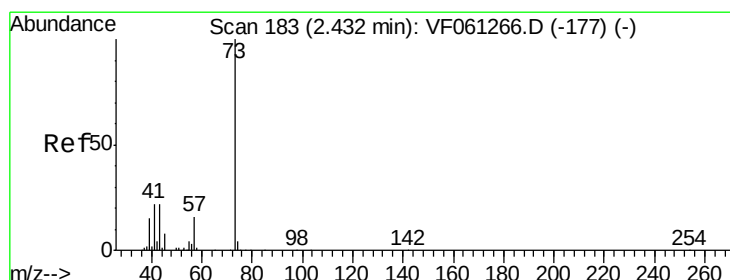
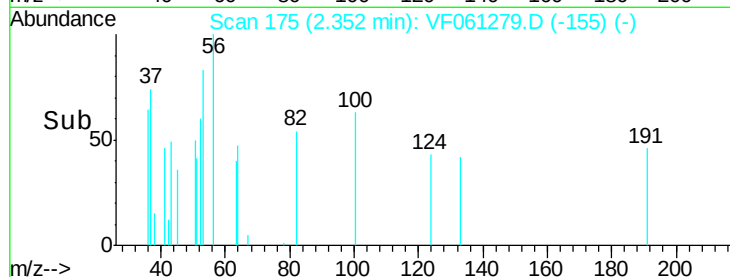
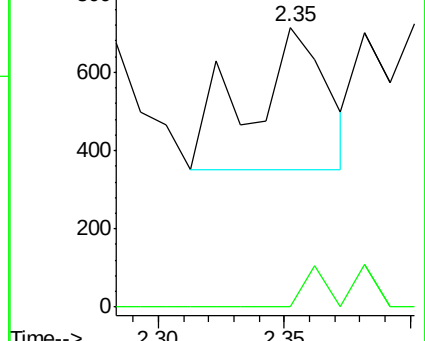
43 100

74 0.0 14.4 21.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



#19

Methyl tert-butyl Ether

Concen: 1.736 ug/l

RT: 2.40 min Scan# 180

Delta R.T. -0.03 min

Lab File: VF061279.D

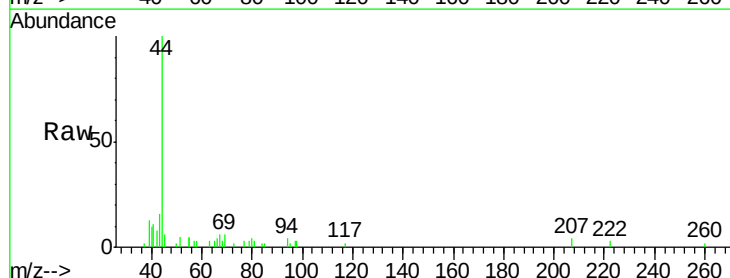
Acq: 7 Jan 2019 15:11

Tgt Ion: 73 Resp: 62

Ion Ratio Lower Upper

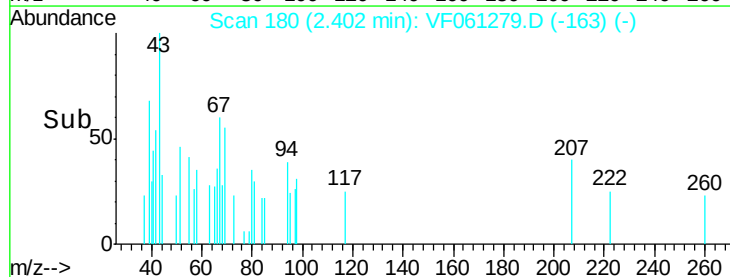
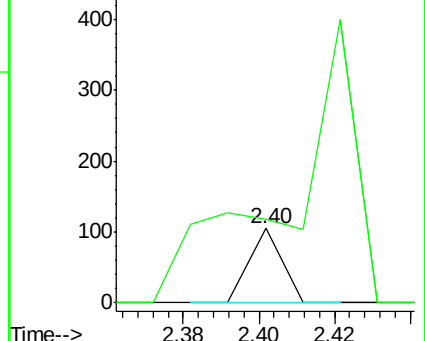
73 100

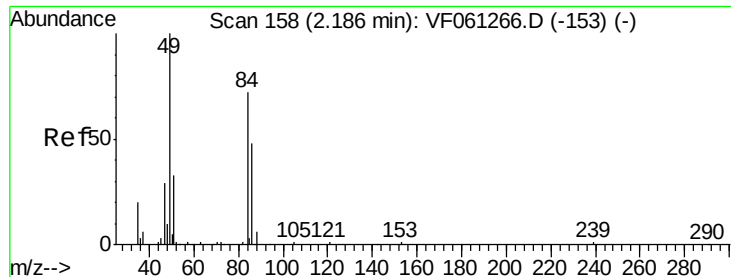
57 112.4 14.0 21.0#



Abundance Ion 73.00 (72.70 to 73.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

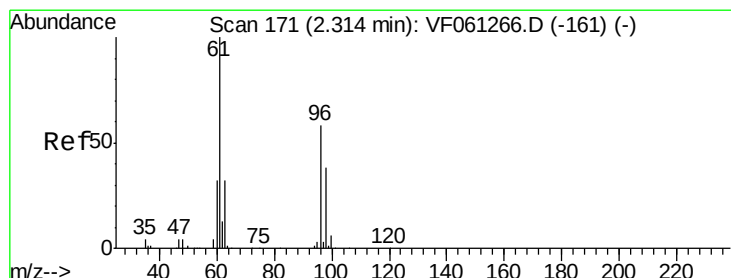
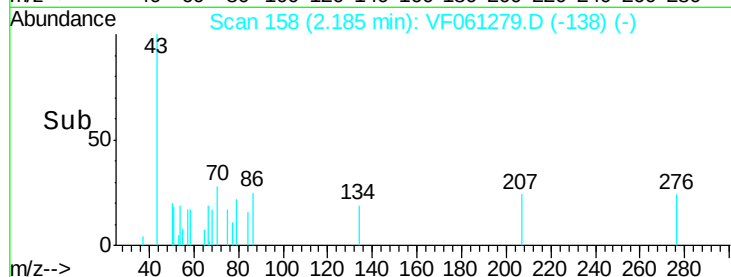
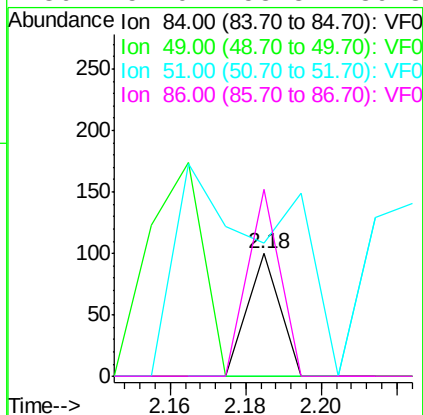
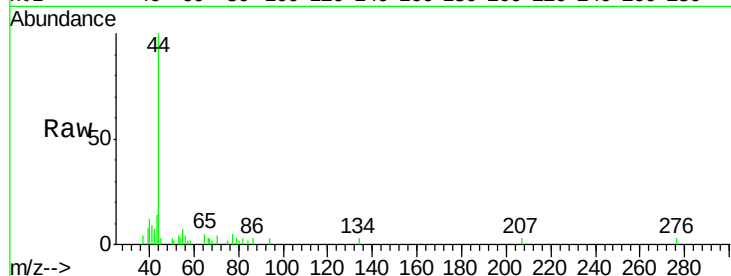




#20
Methylene Chloride
Concen: Below Cal
RT: 2.18 min Scan# 158
Delta R.T. -0.00 min
Lab File: VF061279.D
Acq: 7 Jan 2019 15:11

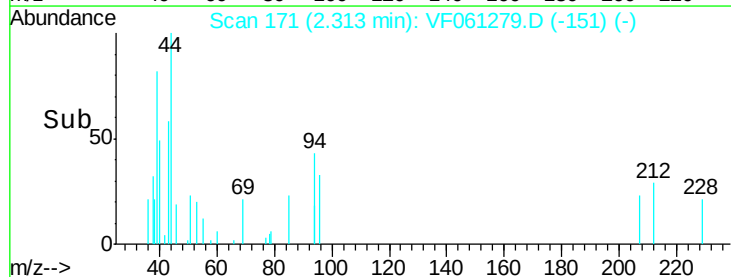
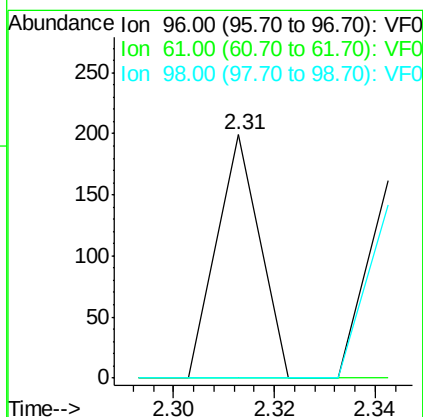
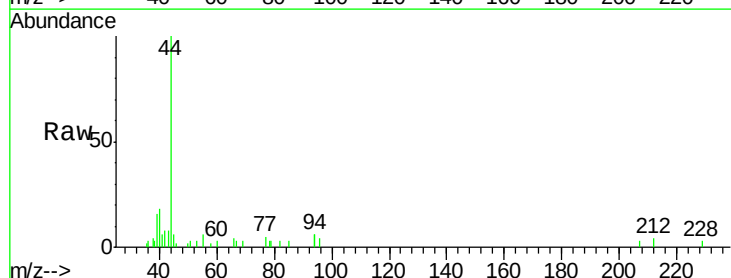
Instrument :
MSVOA_F
ClientSampleId :
EO-02-010419-C

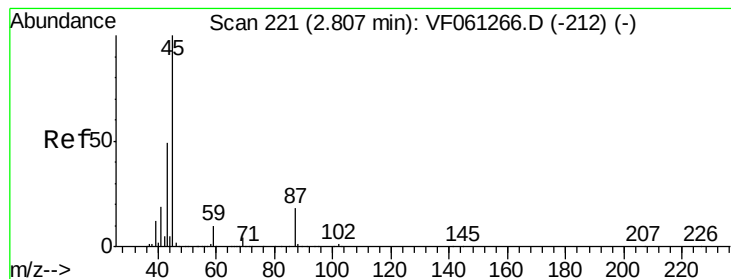
Tot Ion: 84 Resp: 59
Ion Ratio Lower Upper
84 100
49 0.0 112.9 169.3#
51 108.0 37.9 56.9#
86 152.0 53.8 80.8#



#21
trans-1,2-Dichloroethene
Concen: 6.550 ug/l
RT: 2.31 min Scan# 171
Delta R.T. -0.00 min
Lab File: VF061279.D
Acq: 7 Jan 2019 15:11

Tgt Ion: 96 Resp: 118
Ion Ratio Lower Upper
96 100
61 0.0 139.3 208.9#
98 0.0 52.6 78.8#





#22

Diisopropyl ether

Concen: 15.718 ug/l

RT: 2.75 min Scan# 215

Delta R.T. -0.06 min

Lab File: VF061279.D

Acq: 7 Jan 2019 15:11

Instrument :

MSVOA_F

ClientSampleId :

EO-02-010419-C

Tot Ion: 45 Resp: 936

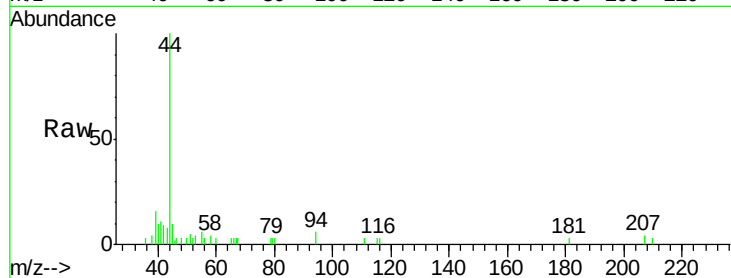
Ion Ratio Lower Upper

45 100

43 78.5 39.5 59.3#

87 0.0 14.8 22.2#

59 0.0 7.8 11.8#

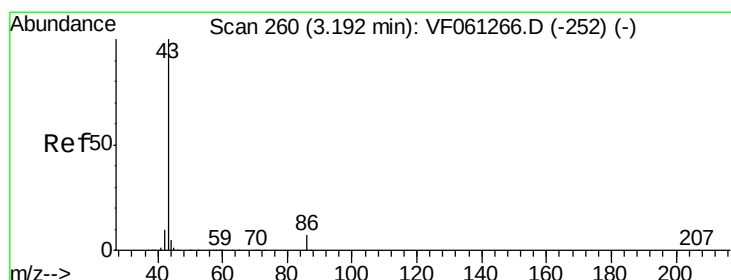
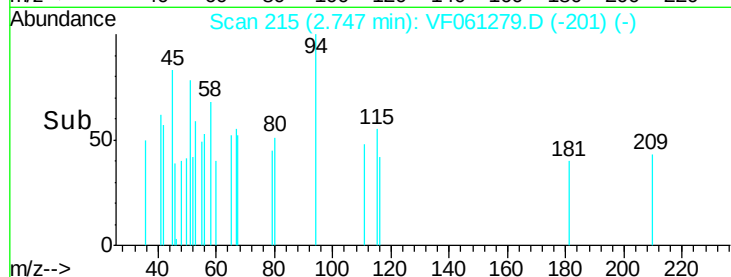
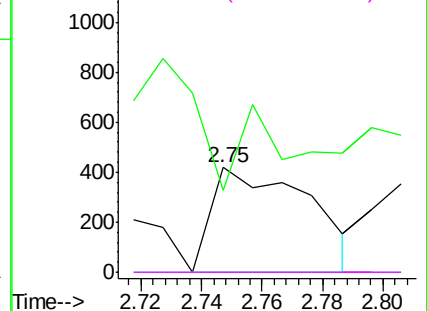


Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0



#23

Vinyl Acetate

Concen: 39.750 ug/l

RT: 3.12 min Scan# 253

Delta R.T. -0.07 min

Lab File: VF061279.D

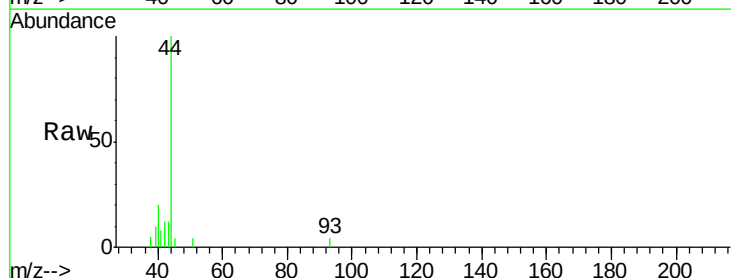
Acq: 7 Jan 2019 15:11

Tgt Ion: 43 Resp: 1084

Ion Ratio Lower Upper

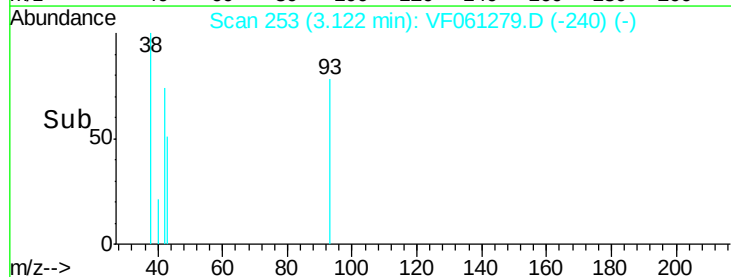
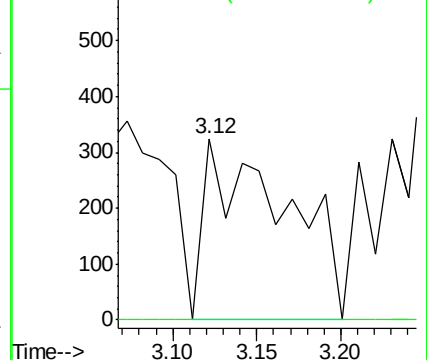
43 100

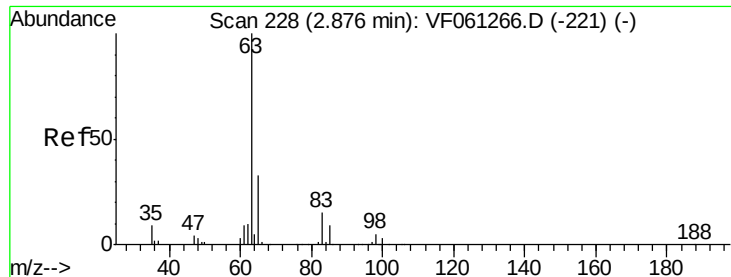
86 0.0 6.0 9.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#24

1,1-Dichloroethane

Concen: 2.206 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.00 min

Lab File: VF061279.D

Acq: 7 Jan 2019 15:11

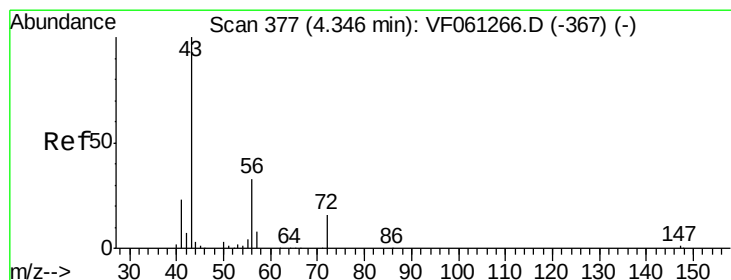
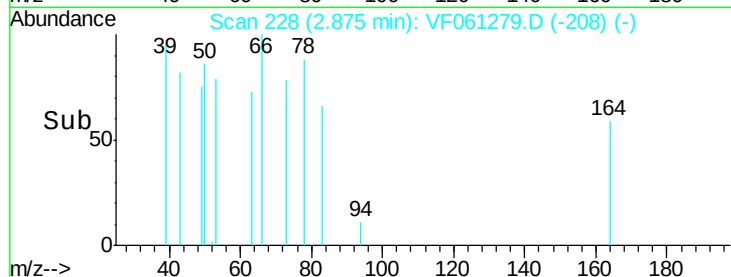
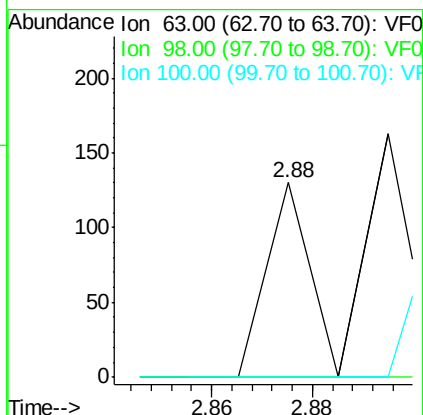
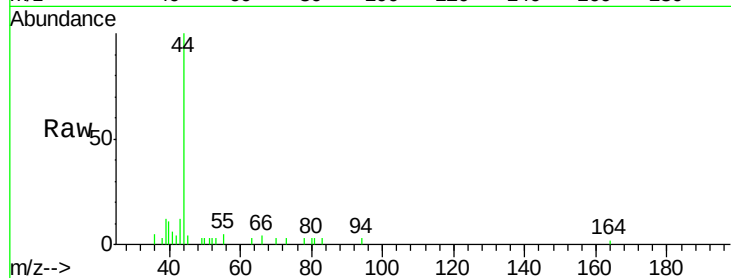
Instrument :

MSVOA_F

ClientSampleId :

EO-02-010419-C

Tot Ion:	63	Resp:	77
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.5	7.5#
100	0.0	1.6	4.8#



#25

2-Butanone

Concen: 6.121 ug/l

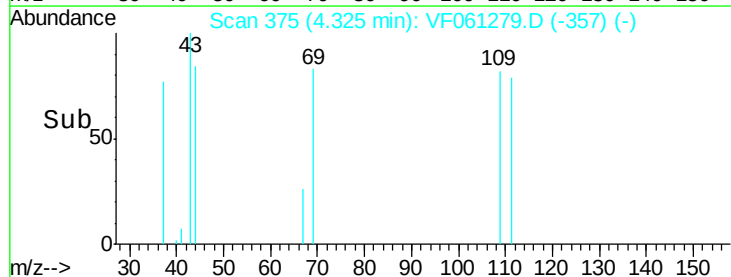
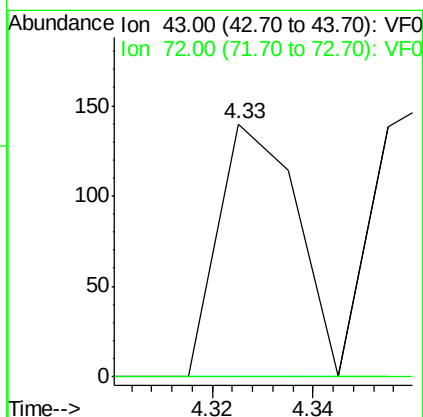
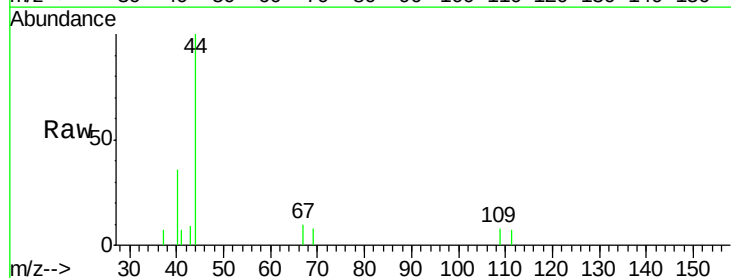
RT: 4.33 min Scan# 375

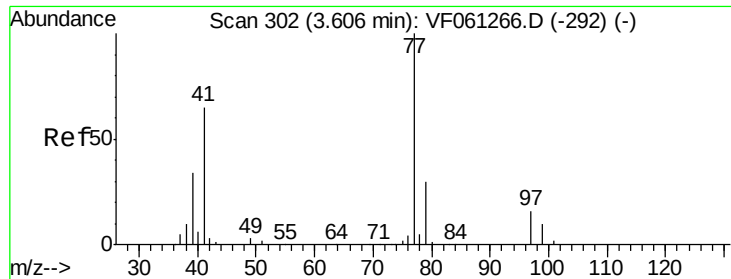
Delta R.T. -0.02 min

Lab File: VF061279.D

Acq: 7 Jan 2019 15:11

Tgt Ion:	43	Resp:	150
Ion	Ratio	Lower	Upper
43	100		
72	0.0	13.0	19.6#

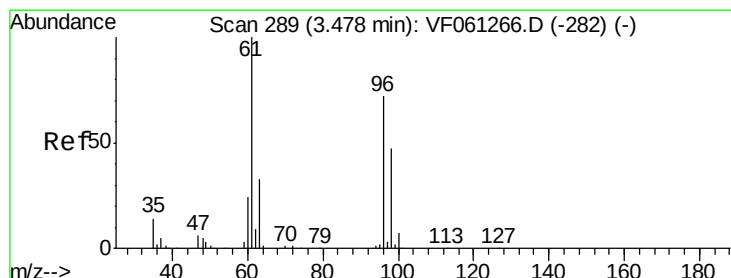
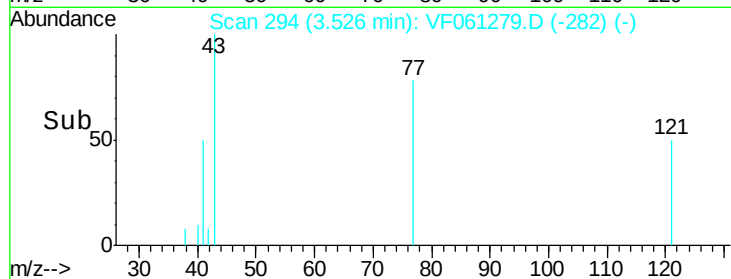
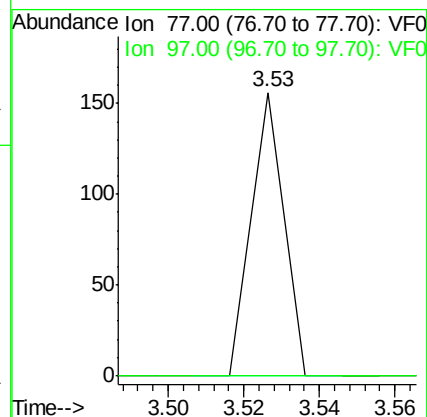
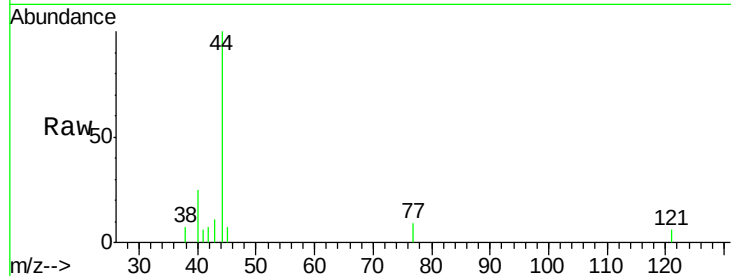




#26
 2,2-Dichloropropane
 Concen: 4.576 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.08 min
 Lab File: VF061279.D
 Acq: 7 Jan 2019 15:11

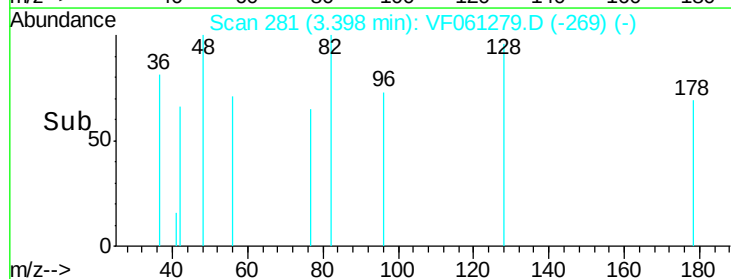
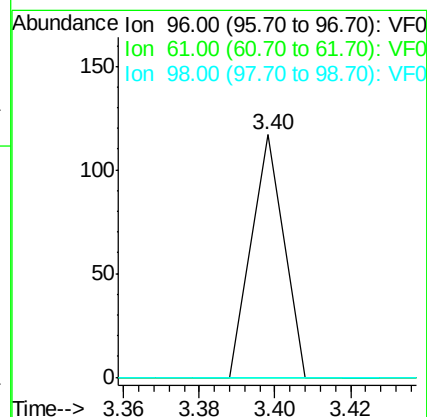
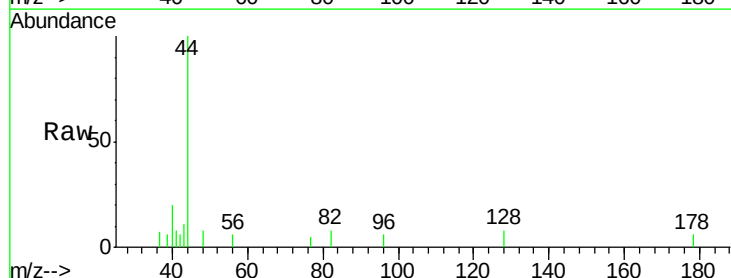
Instrument :
 MSVOA_F
 ClientSampleId :
 EO-02-010419-C

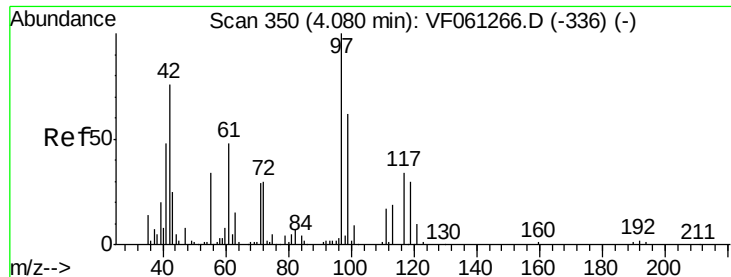
Tot Ion	Ratio	Lower	Upper
77	100		
97	0.0	8.9	26.7#



#27
 cis-1,2-Dichloroethene
 Concen: 2.606 ug/l
 RT: 3.40 min Scan# 281
 Delta R.T. -0.08 min
 Lab File: VF061279.D
 Acq: 7 Jan 2019 15:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	277.8
98	0.0	0.0	130.8





#29

Tetrahydrofuran

Concen: 149.201 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.01 min

Lab File: VF061279.D

Acq: 7 Jan 2019 15:11

Instrument :

MSVOA_F

ClientSampleId :

EO-02-010419-C

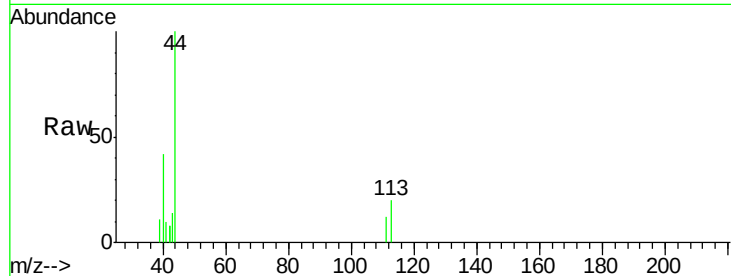
Tot Ion: 42 Resp: 455

Ion Ratio Lower Upper

42 100

72 0.0 29.2 43.8#

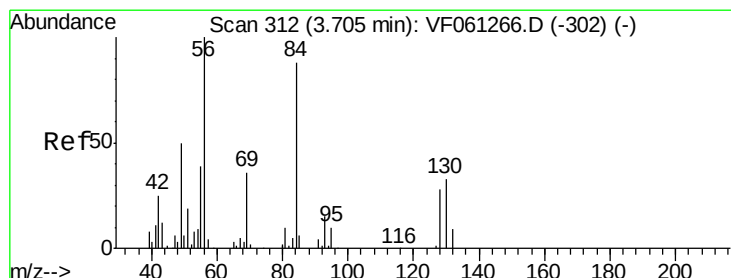
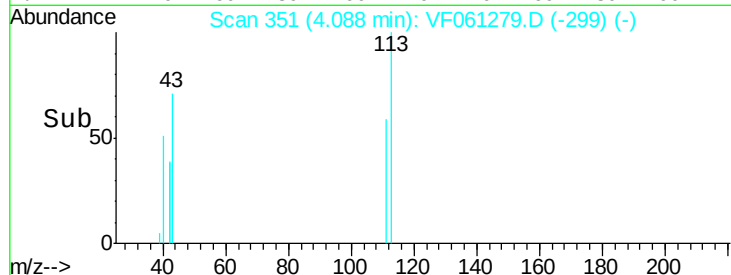
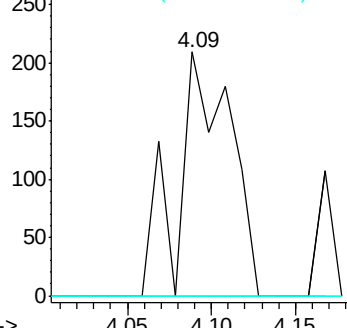
71 0.0 29.1 43.7#



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



#31

Cyclohexane

Concen: 4.459 ug/l

RT: 3.67 min Scan# 309

Delta R.T. -0.03 min

Lab File: VF061279.D

Acq: 7 Jan 2019 15:11

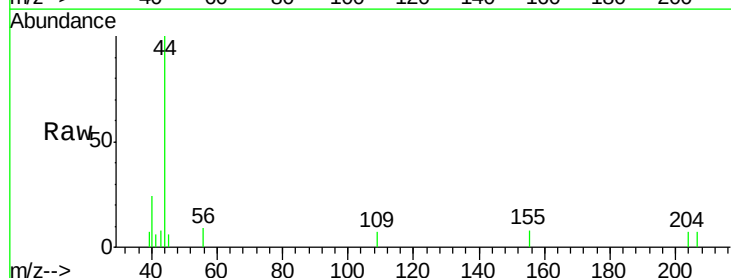
Tgt Ion: 56 Resp: 165

Ion Ratio Lower Upper

56 100

69 0.0 28.7 43.1#

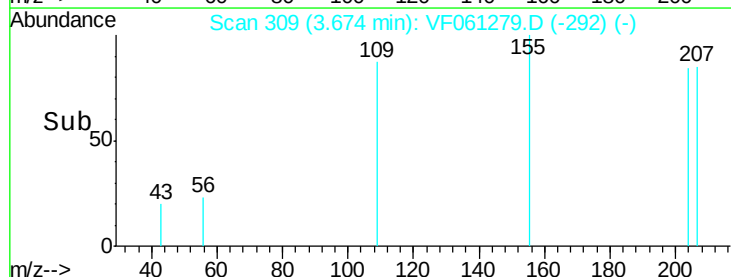
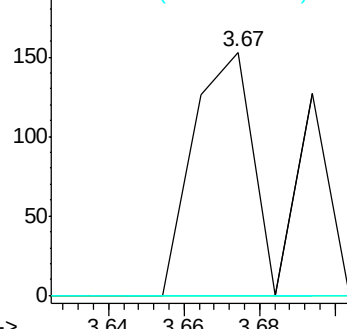
84 0.0 70.6 106.0#

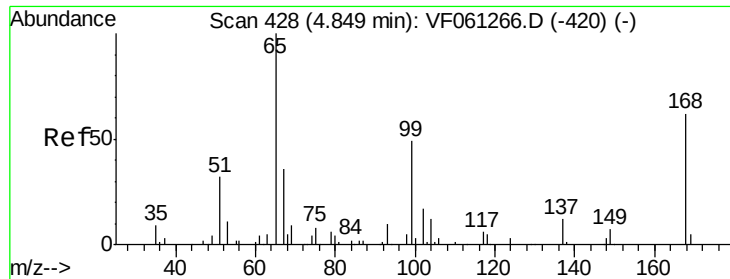


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0

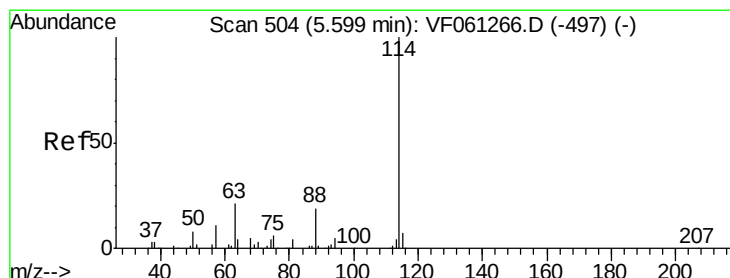
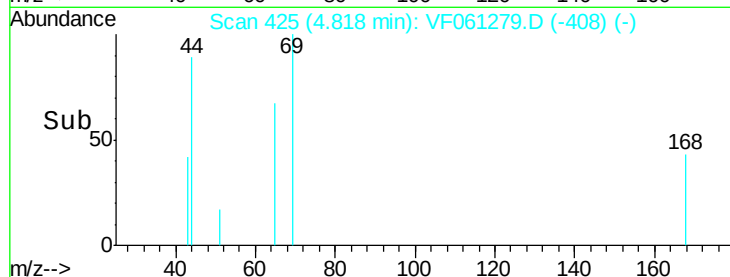
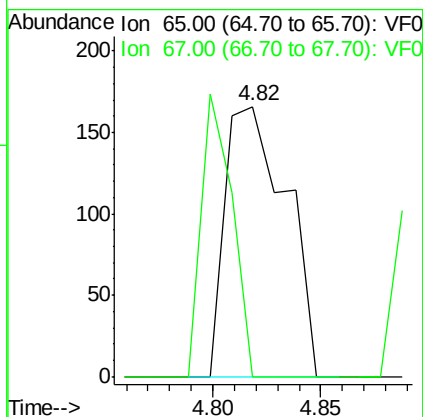
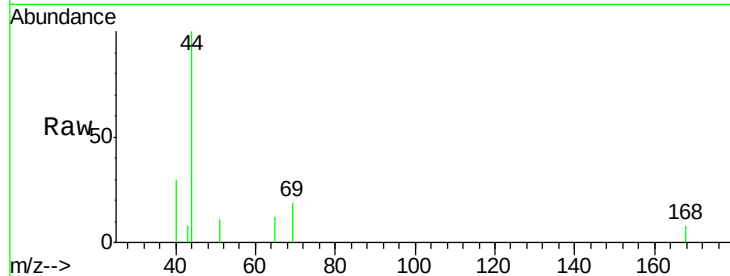




#33
 1,2-Dichloroethane-d4
 Concen: 14.525 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.03 min
 Lab File: VF061279.D
 Acq: 7 Jan 2019 15:11

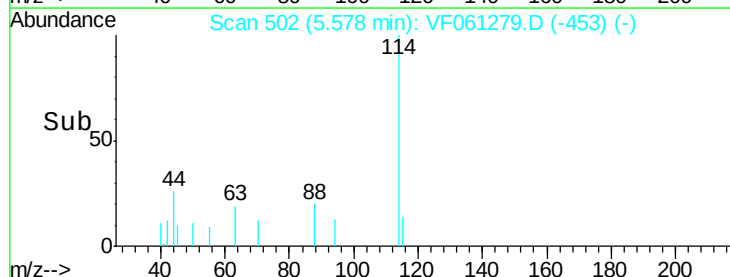
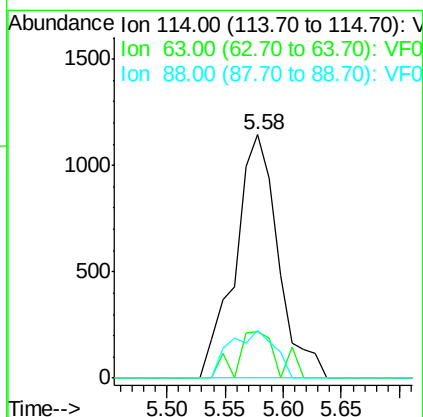
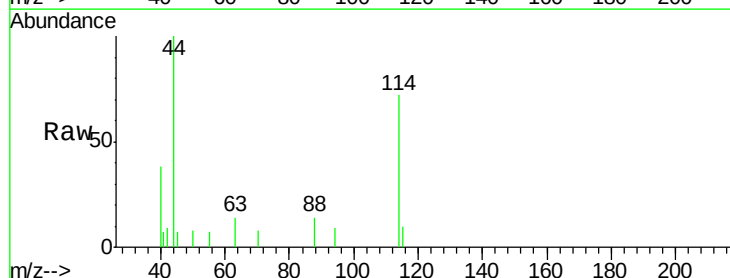
Instrument :
 MSVOA_F
 ClientSampleId :
 EO-02-010419-C

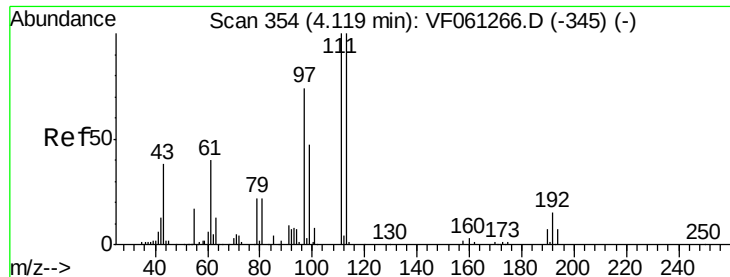
Tot Ion: 65 Resp: 328
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 90.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.02 min
 Lab File: VF061279.D
 Acq: 7 Jan 2019 15:11

Tgt Ion: 114 Resp: 2936
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 41.8
 88 19.7 0.0 38.4





#35

Dibromofluoromethane

Concen: 23.862 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061279.D

Acq: 7 Jan 2019 15:11

Instrument :

MSVOA_F

ClientSampleId :

EO-02-010419-C

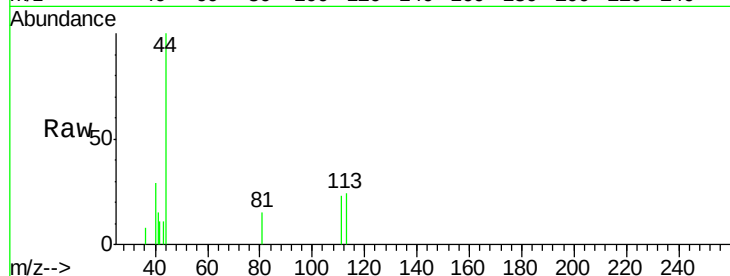
Tot Ion:113 Resp: 539

Ion Ratio Lower Upper

113 100

111 93.3 79.8 119.6

192 0.0 11.9 17.9#



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

4.10

300

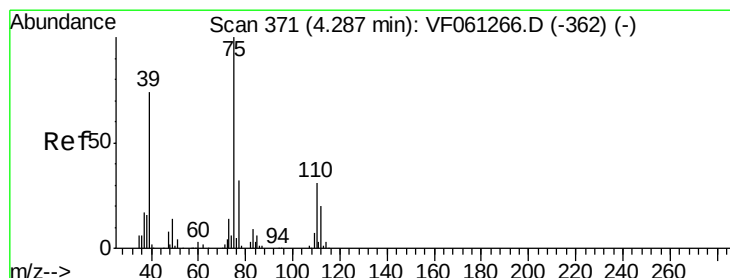
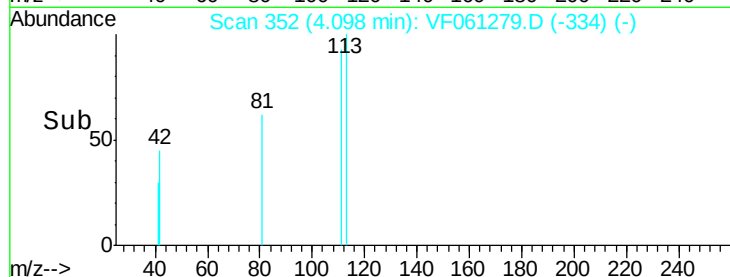
200

100

0

4.05 4.10 4.15

Time-->



#36

1,1-Dichloropropene

Concen: 5.263 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF061279.D

Acq: 7 Jan 2019 15:11

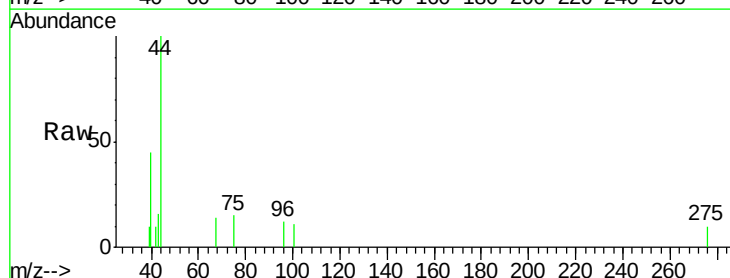
Tgt Ion: 75 Resp: 182

Ion Ratio Lower Upper

75 100

110 0.0 15.4 46.4#

77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

4.28

200

150

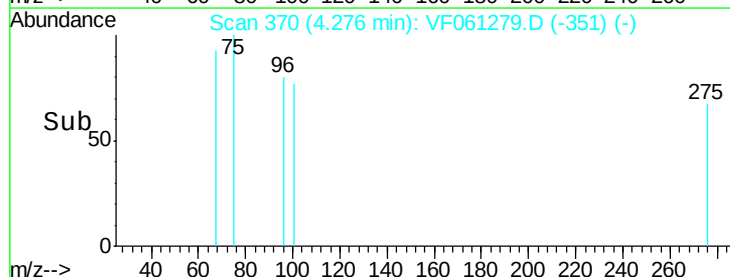
100

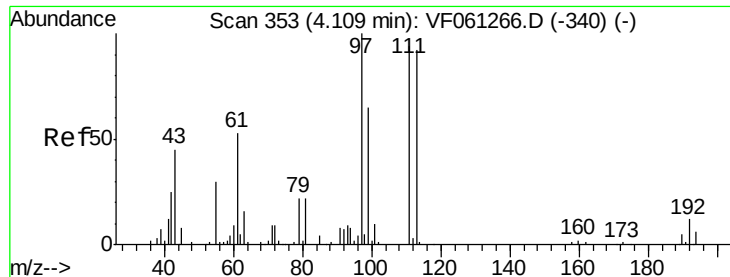
50

0

4.24 4.26 4.28 4.30

Time-->

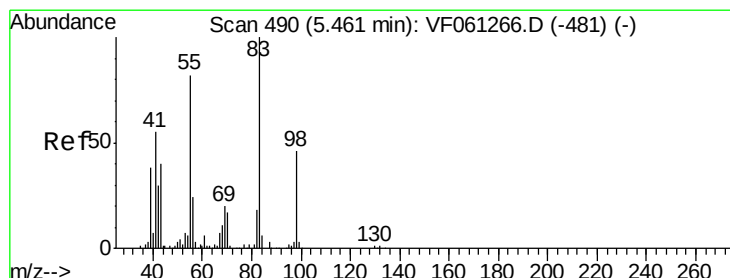
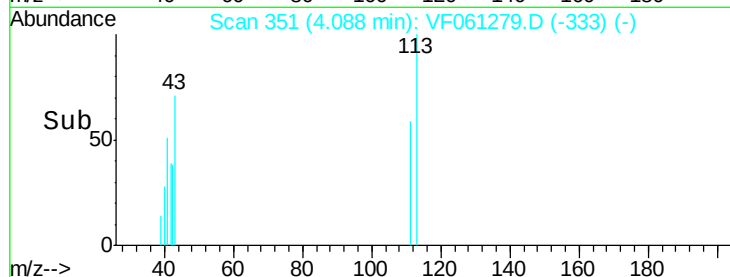
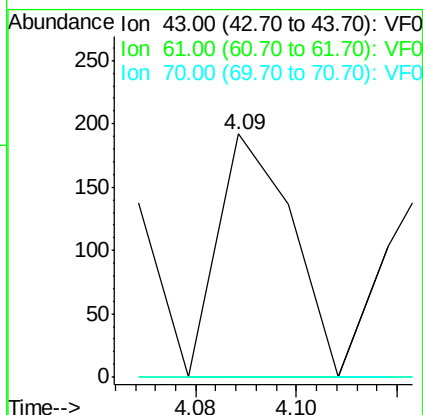
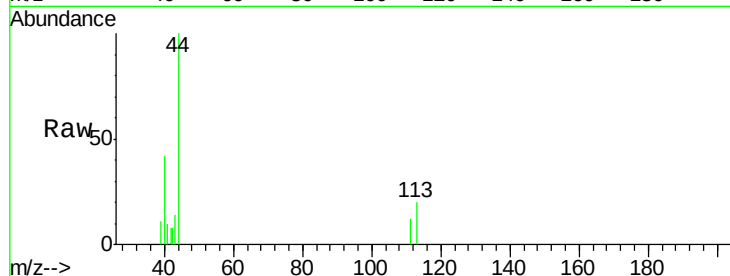




#37
Ethyl Acetate
Concen: 14.124 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF061279.D
Acq: 7 Jan 2019 15:11

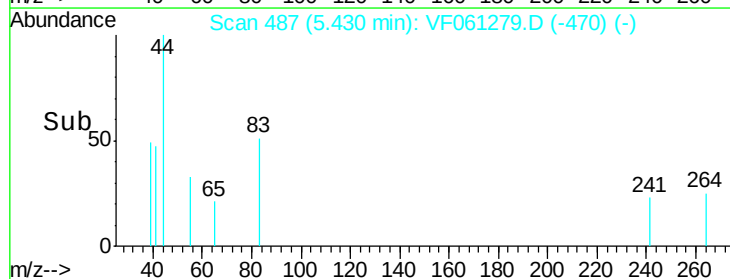
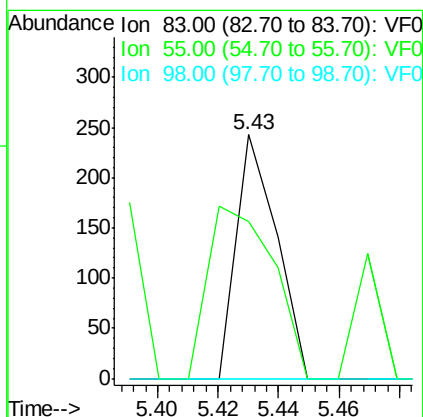
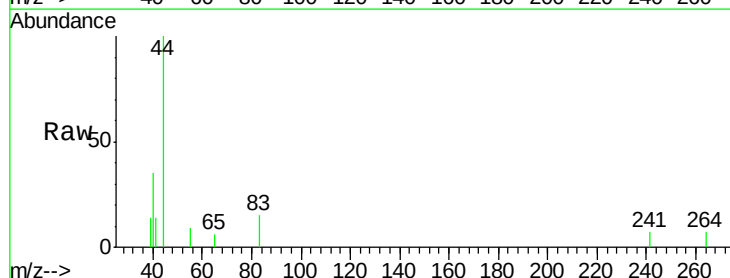
Instrument :
MSVOA_F
ClientSampleId :
EO-02-010419-C

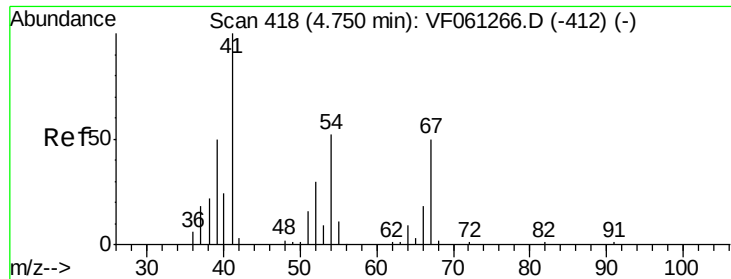
Tot Ion: 43 Resp: 195
Ion Ratio Lower Upper
43 100
61 0.0 91.2 136.8#
70 0.0 7.1 10.7#



#39
Methylcyclohexane
Concen: 6.141 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.03 min
Lab File: VF061279.D
Acq: 7 Jan 2019 15:11

Tgt Ion: 83 Resp: 227
Ion Ratio Lower Upper
83 100
55 64.2 65.6 98.4#
98 0.0 36.7 55.1#

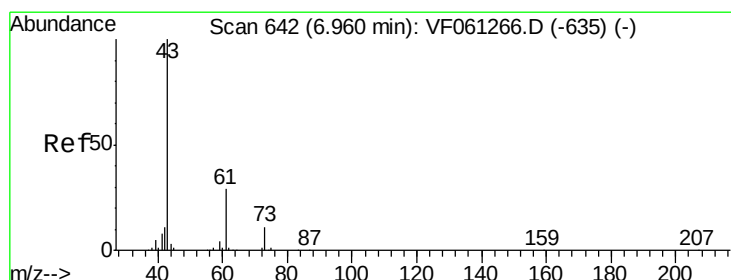
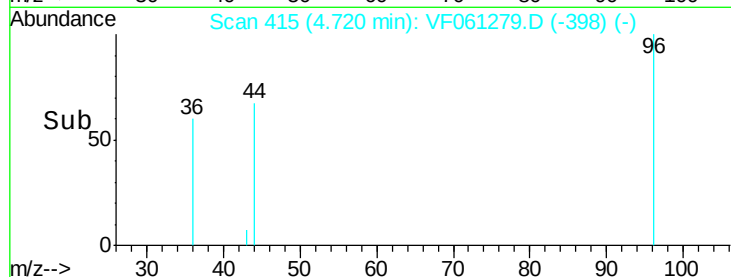
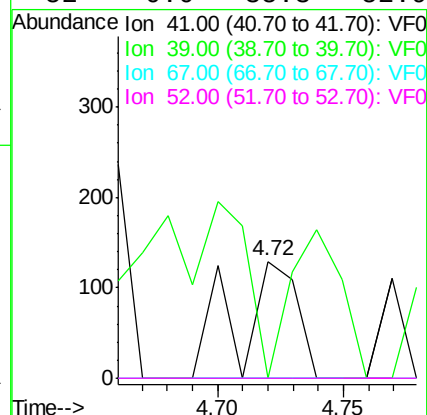
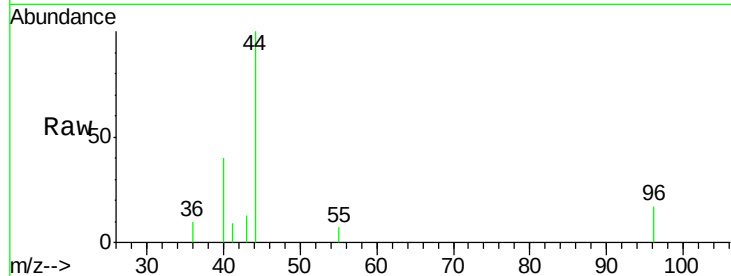




#41
Methacrylonitrile
Concen: 29.404 ug/l
RT: 4.72 min Scan# 415
Delta R.T. -0.03 min
Lab File: VF061279.D
Acq: 7 Jan 2019 15:11

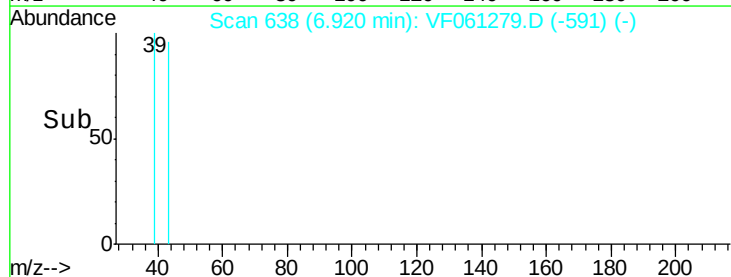
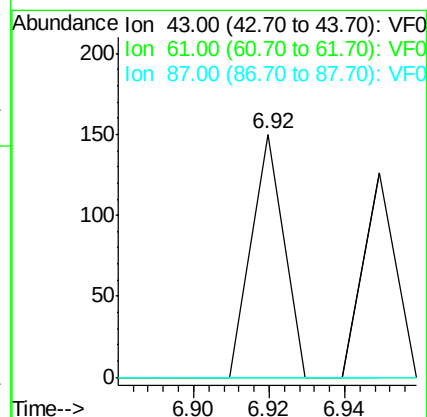
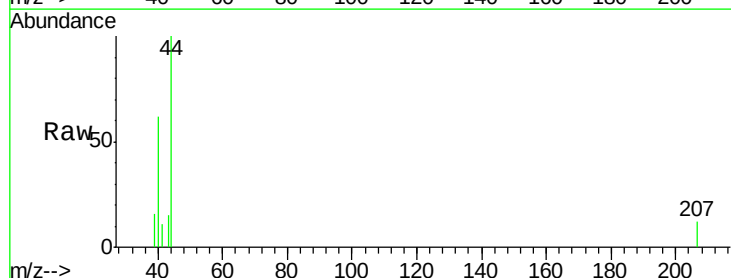
Instrument :
MSVOA_F
ClientSampleId :
EO-02-010419-C

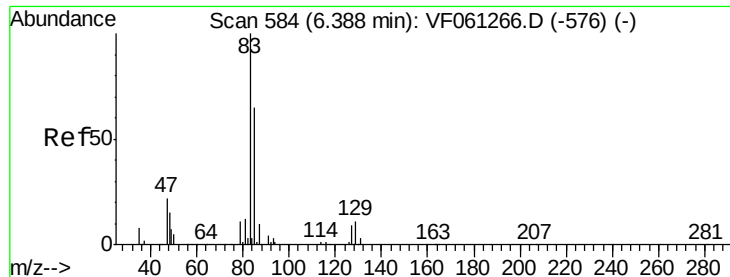
Tot Ion:	41	Resp:	214
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.6	66.8#
67	0.0	39.3	58.9#
52	0.0	35.3	52.9#



#43
Isopropyl Acetate
Concen: 4.831 ug/l
RT: 6.92 min Scan# 638
Delta R.T. -0.04 min
Lab File: VF061279.D
Acq: 7 Jan 2019 15:11

Tgt Ion:	43	Resp:	89
Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.4	35.2#
87	0.0	0.3	0.5#





#47

Bromodichloromethane

Concen: 2.175 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.14 min

Lab File: VF061279.D

Acq: 7 Jan 2019 15:11

Instrument :

MSVOA_F

ClientSampleId :

EO-02-010419-C

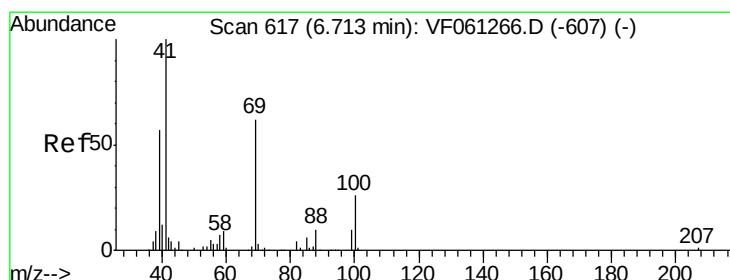
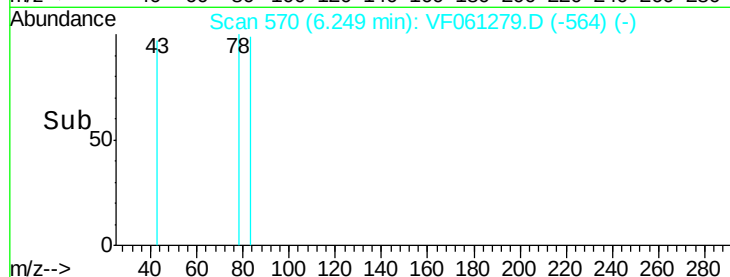
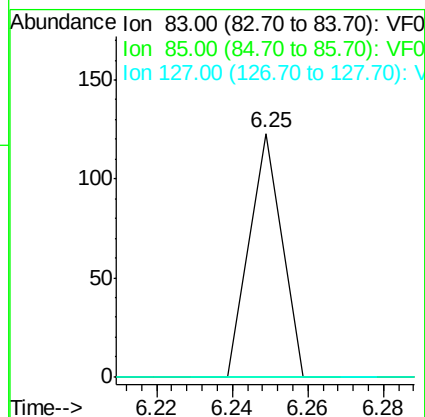
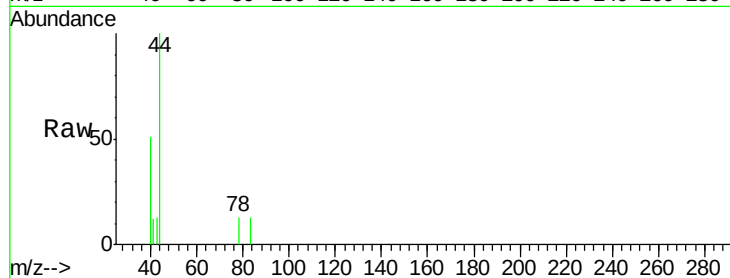
Tot Ion: 83 Resp: 73

Ion Ratio Lower Upper

83 100

85 0.0 52.1 78.1#

127 0.0 7.1 10.7#



#48

Methyl methacrylate

Concen: 5.617 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.02 min

Lab File: VF061279.D

Acq: 7 Jan 2019 15:11

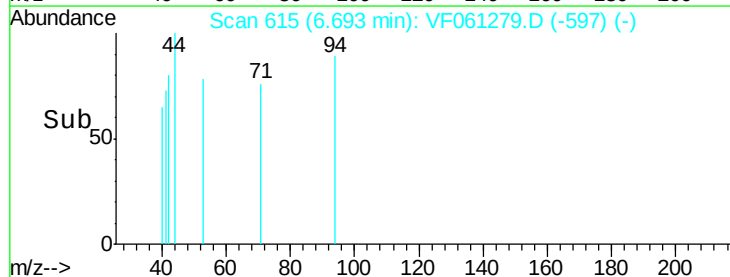
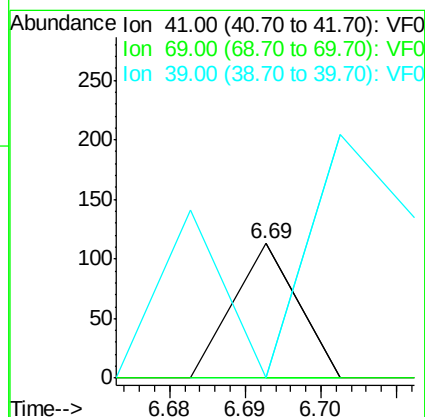
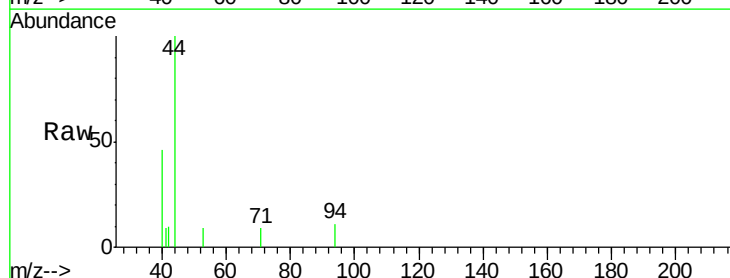
Tgt Ion: 41 Resp: 67

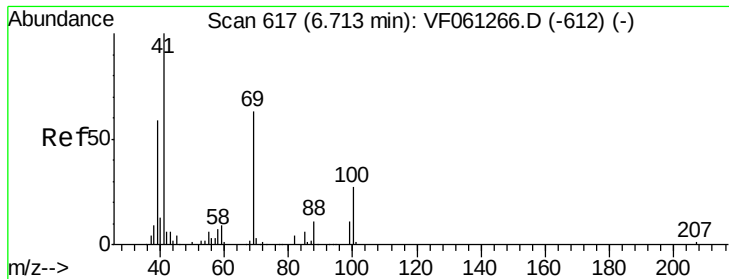
Ion Ratio Lower Upper

41 100

69 0.0 49.8 74.8#

39 0.0 46.4 69.6#





#49

1,4-Dioxane

Concen: 738.023 ug/l

RT: 6.71 min Scan# 617

Delta R.T. -0.00 min

Lab File: VF061279.D

Acq: 7 Jan 2019 15:11

Instrument :

MSVOA_F

ClientSampleId :

EO-02-010419-C

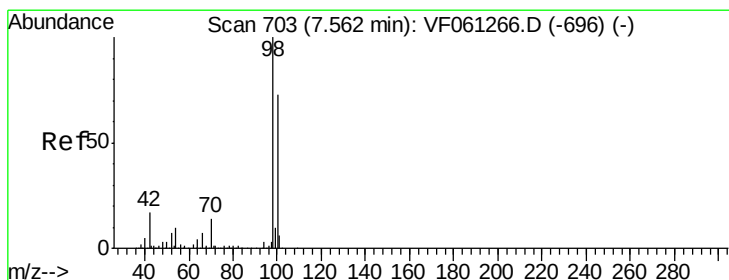
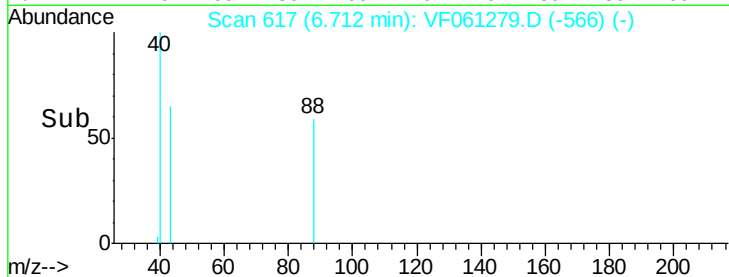
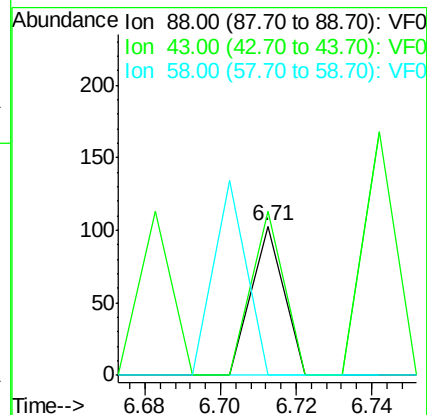
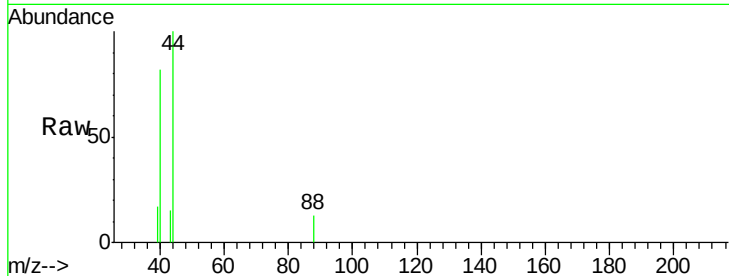
Tot Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 109.7 55.2 82.8#

58 0.0 50.9 76.3#



#50

Toluene-d8

Concen: 44.040 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.03 min

Lab File: VF061279.D

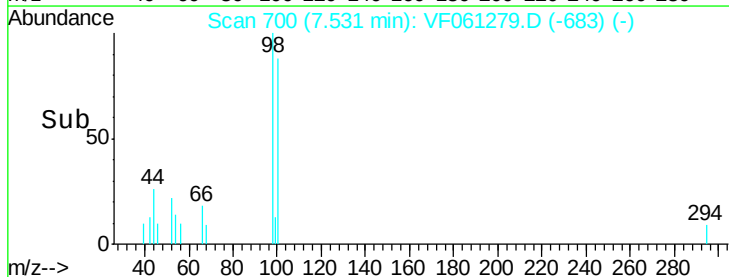
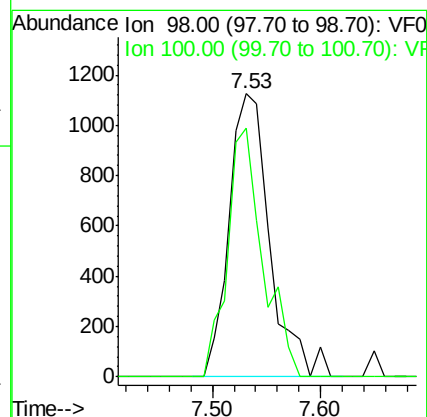
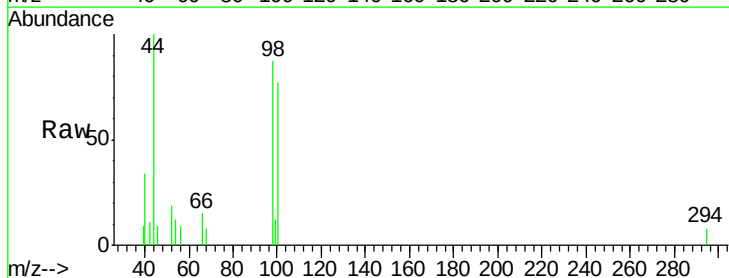
Acq: 7 Jan 2019 15:11

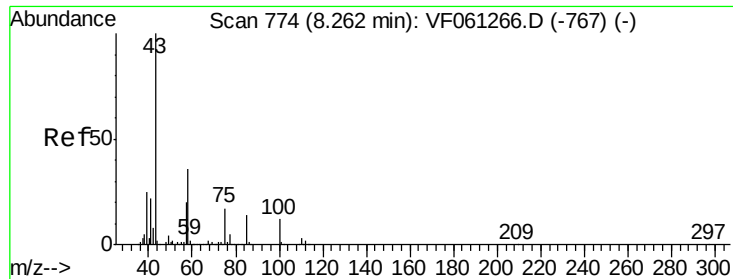
Tgt Ion: 98 Resp: 2952

Ion Ratio Lower Upper

98 100

100 87.7 58.1 87.1#





#51

4-Methyl-2-Pentanone

Concen: 3.450 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.02 min

Lab File: VF061279.D

Acq: 7 Jan 2019 15:11

Instrument :

MSVOA_F

ClientSampleId :

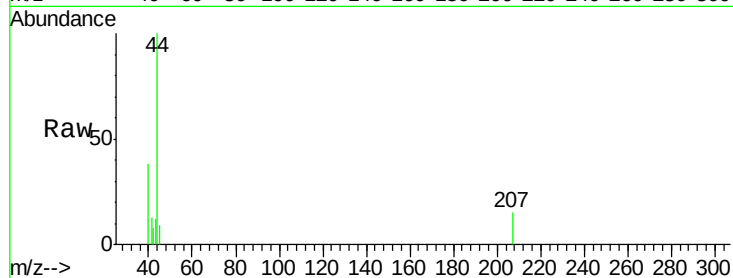
EO-02-010419-C

Tot Ion: 43 Resp: 151

Ion Ratio Lower Upper

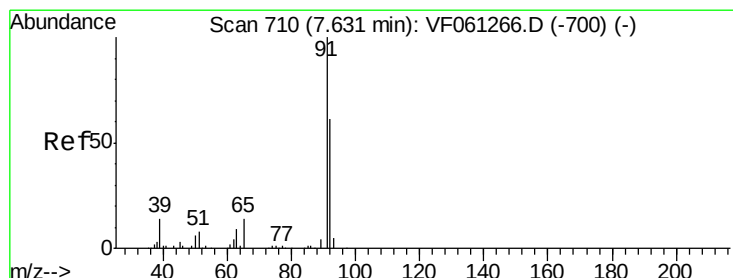
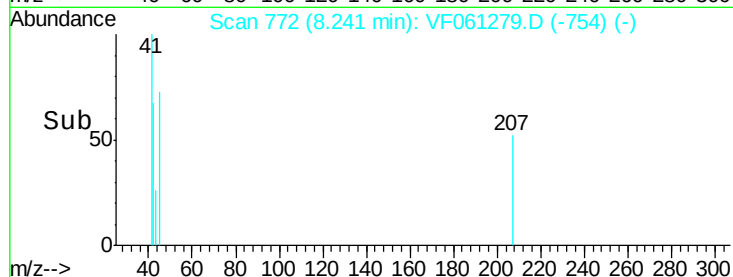
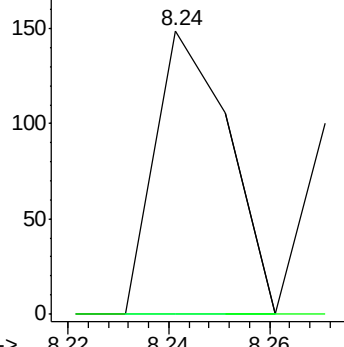
43 100

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



#52

Toluene

Concen: 10.226 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF061279.D

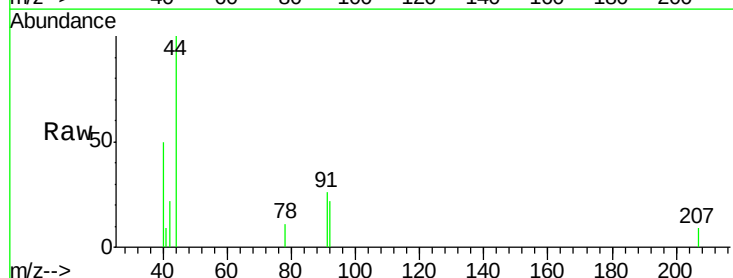
Acq: 7 Jan 2019 15:11

Tgt Ion: 92 Resp: 524

Ion Ratio Lower Upper

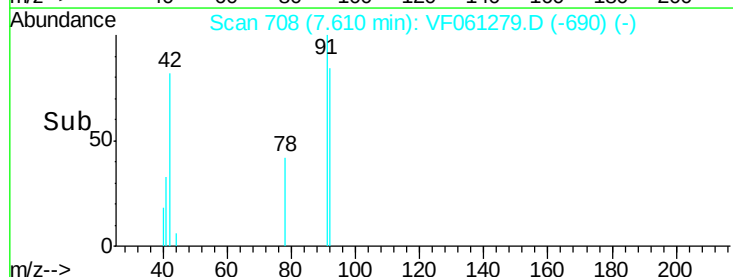
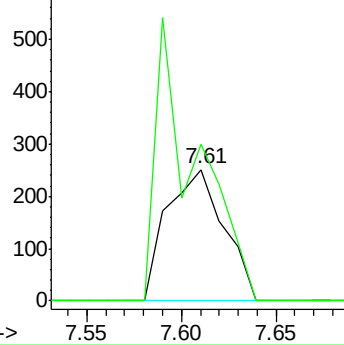
92 100

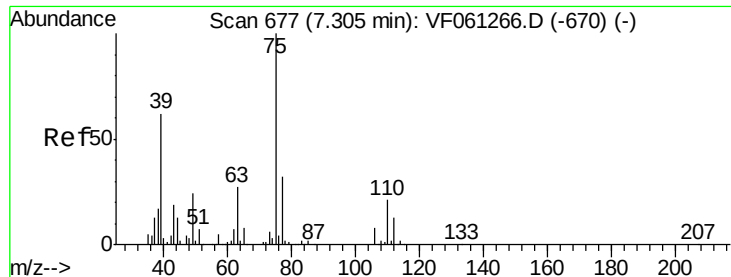
91 119.5 130.5 195.7#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#54

cis-1,3-Dichloropropene

Concen: 1.754 ug/l

RT: 7.33 min Scan# 680

Delta R.T. 0.03 min

Lab File: VF061279.D

Acq: 7 Jan 2019 15:11

Instrument :

MSVOA_F

ClientSampleId :

EO-02-010419-C

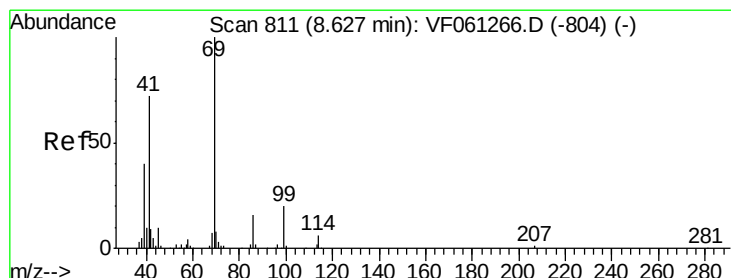
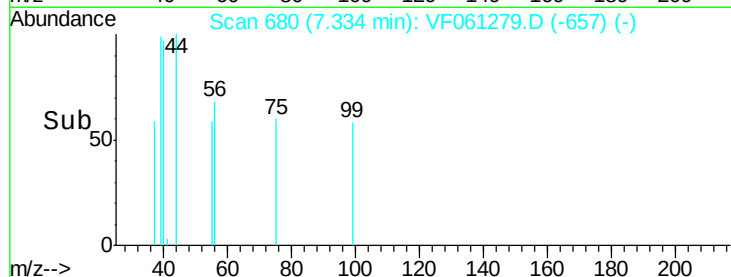
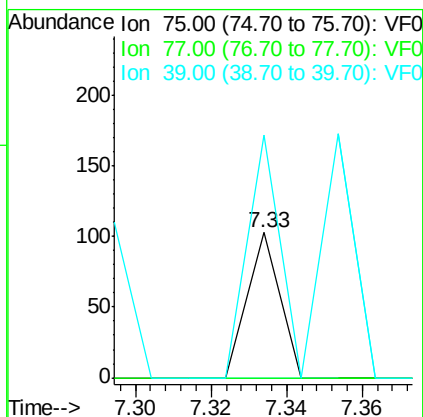
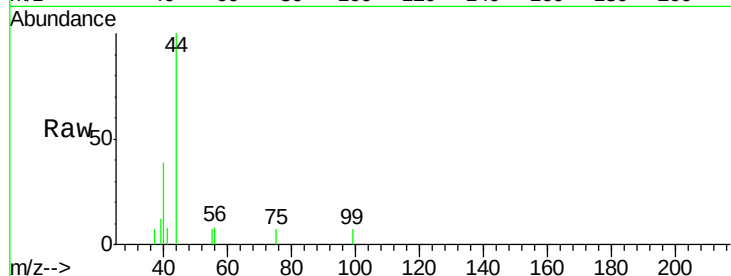
Tot Ion: 75 Resp: 61

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#

39 167.0 49.5 74.3#



#56

Ethyl methacrylate

Concen: 3.807 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.15 min

Lab File: VF061279.D

Acq: 7 Jan 2019 15:11

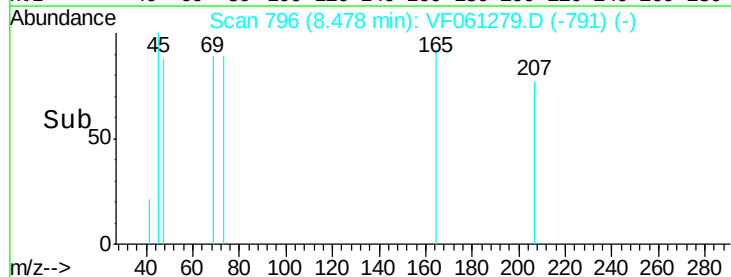
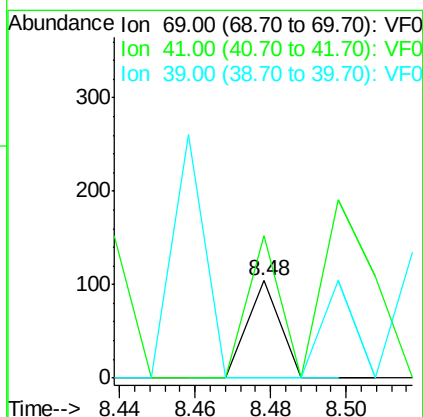
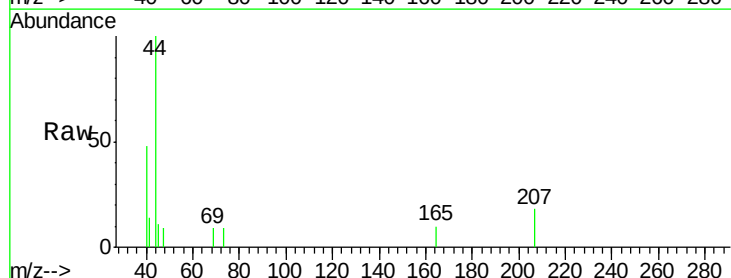
Tgt Ion: 69 Resp: 62

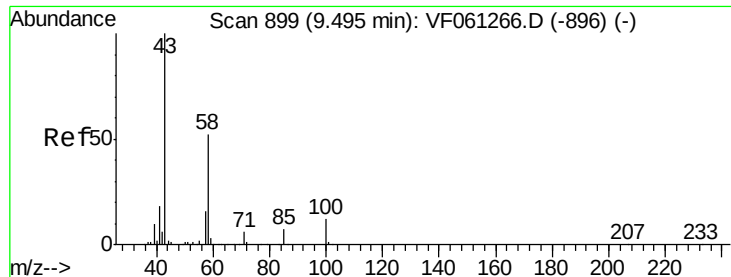
Ion Ratio Lower Upper

69 100

41 146.2 58.1 87.1#

39 0.0 32.6 49.0#





#59

2-Hexanone

Concen: 38.002 ug/l

RT: 9.45 min Scan# 895

Delta R.T. -0.04 min

Lab File: VF061279.D

Acq: 7 Jan 2019 15:11

Instrument :

MSVOA_F

ClientSampleId :

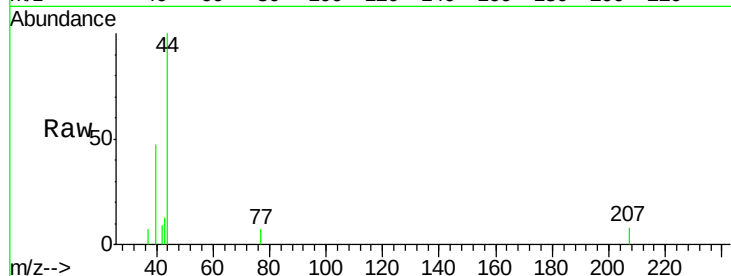
EO-02-010419-C

Tot Ion: 43 Resp: 352

Ion Ratio Lower Upper

43 100

58 0.0 24.4 73.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.45

150

100

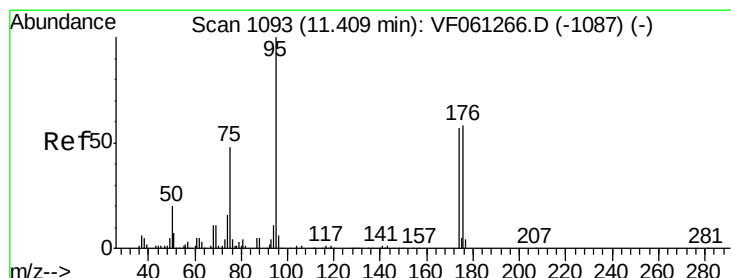
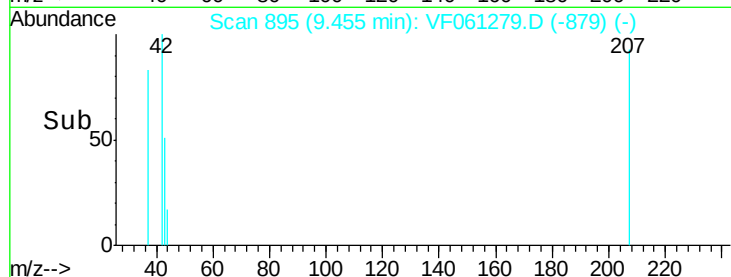
50

0

9.40

9.45

Time-->



#62

4-Bromofluorobenzene

Concen: 18.081 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF061279.D

Acq: 7 Jan 2019 15:11

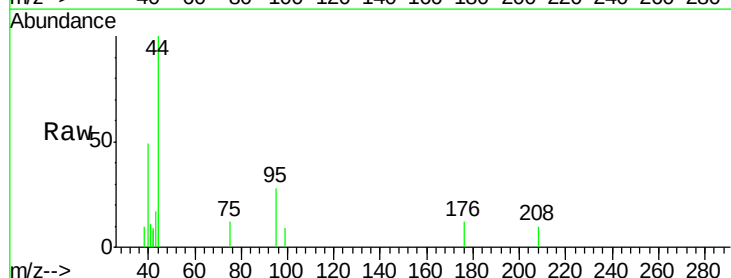
Tgt Ion: 95 Resp: 537

Ion Ratio Lower Upper

95 100

174 0.0 0.0 113.2

176 42.5 0.0 115.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

500

400

300

200

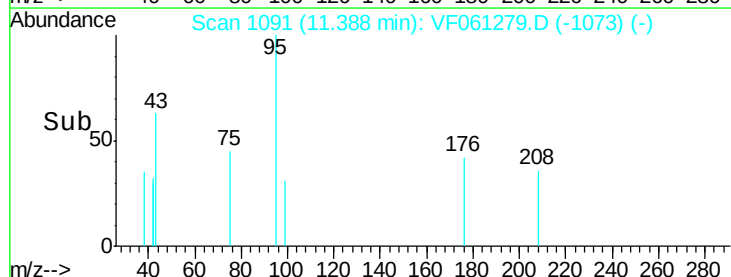
100

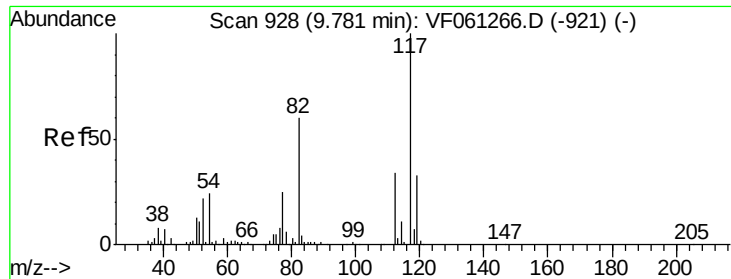
0

11.35

11.40

Time-->

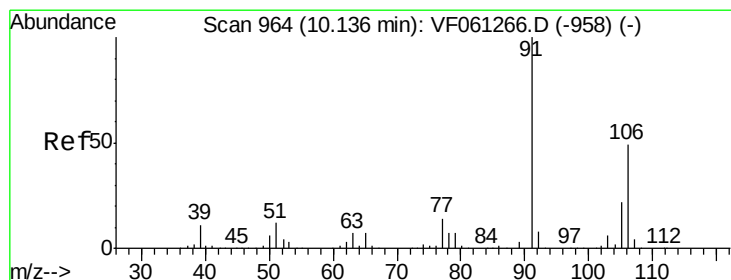
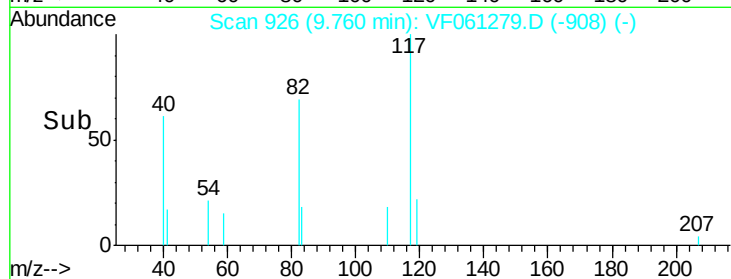
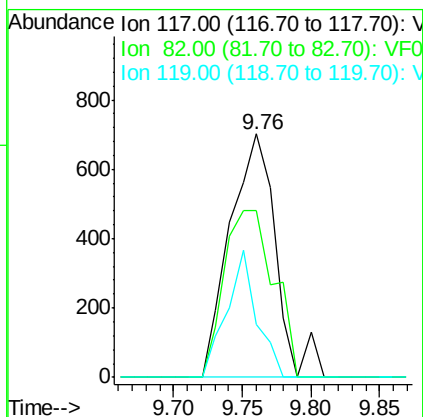
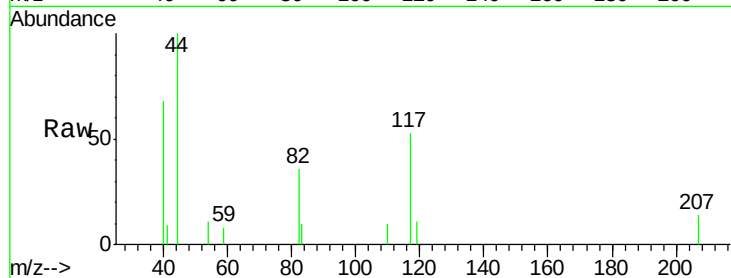




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061279.D
Acq: 7 Jan 2019 15:11

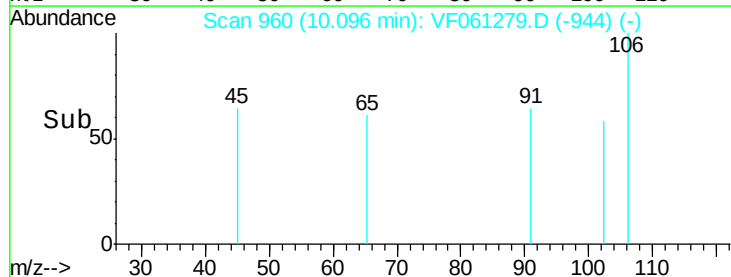
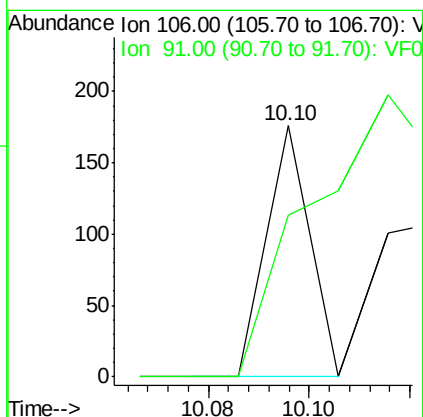
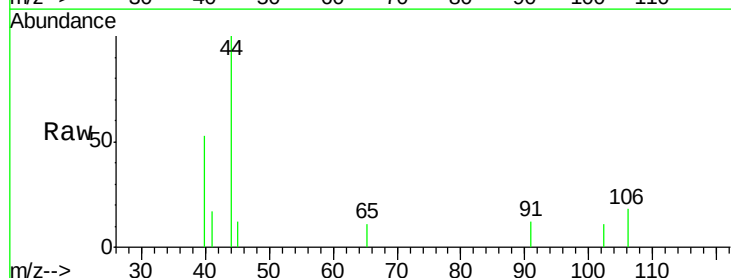
Instrument :
MSVOA_F
ClientSampleId :
EO-02-010419-C

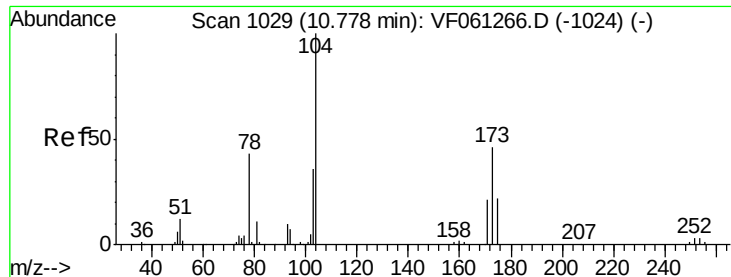
Tot Ion:117 Resp: 1628
Ion Ratio Lower Upper
117 100
82 68.5 47.8 71.6
119 21.5 26.1 39.1#



#68
m/p-Xylenes
Concen: 4.683 ug/l
RT: 10.10 min Scan# 960
Delta R.T. -0.04 min
Lab File: VF061279.D
Acq: 7 Jan 2019 15:11

Tgt Ion:106 Resp: 104
Ion Ratio Lower Upper
106 100
91 64.2 164.8 247.2#





#71

Bromoform

Concen: 12.008 ug/l

RT: 10.83 min Scan# 1034

Delta R.T. 0.05 min

Lab File: VF061279.D

Acq: 7 Jan 2019 15:11

Instrument :

MSVOA_F

ClientSampleId :

EO-02-010419-C

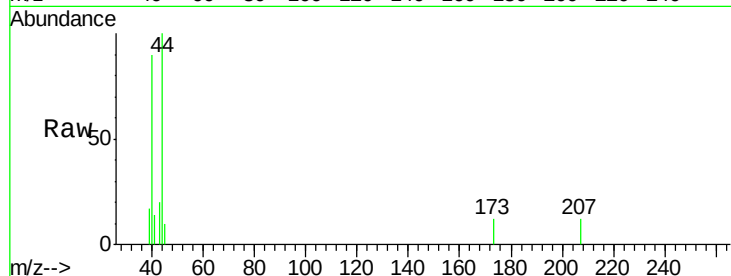
Tot Ion:173 Resp: 76

Ion Ratio Lower Upper

173 100

175 0.0 24.6 73.6#

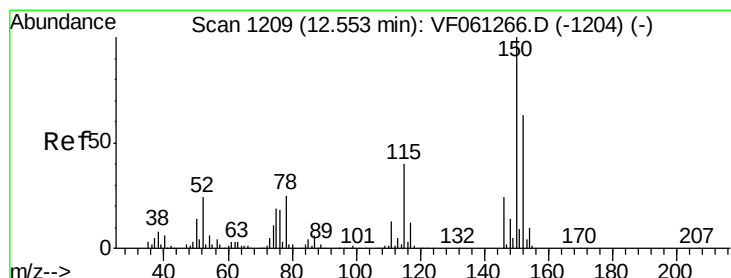
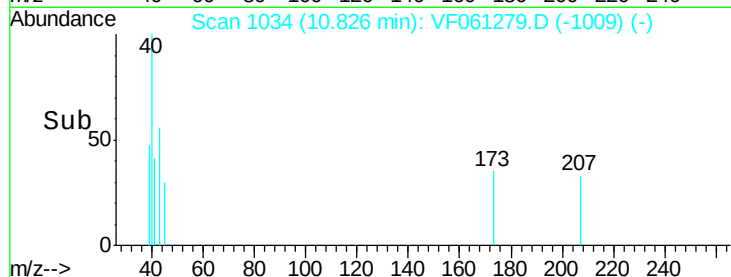
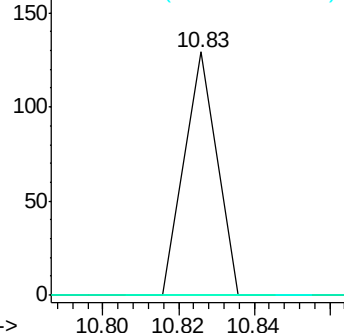
254 0.0 5.3 7.9#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VF061279.D

Acq: 7 Jan 2019 15:11

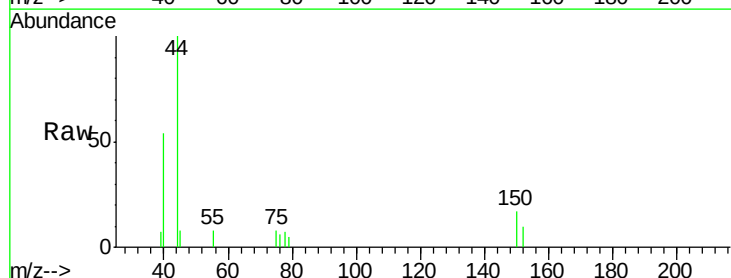
Tgt Ion:152 Resp: 407

Ion Ratio Lower Upper

152 100

115 0.0 31.6 94.7#

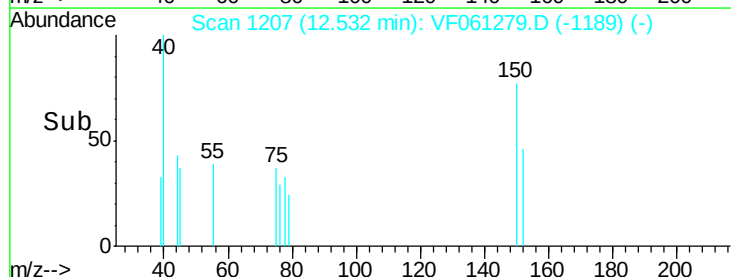
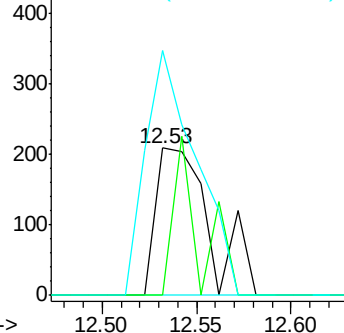
150 166.8 0.0 320.2

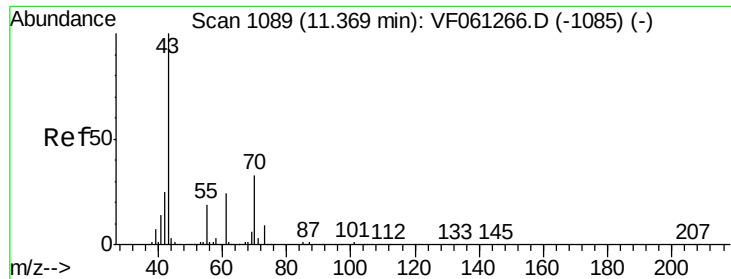


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#74

N-amvl acetate

Concen: 28.528 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. 0.02 min

Lab File: VF061279.D

Acq: 7 Jan 2019 15:11

Instrument :

MSVOA_F

ClientSampleId :

EO-02-010419-C

Tot Ion: 43 Resp: 249

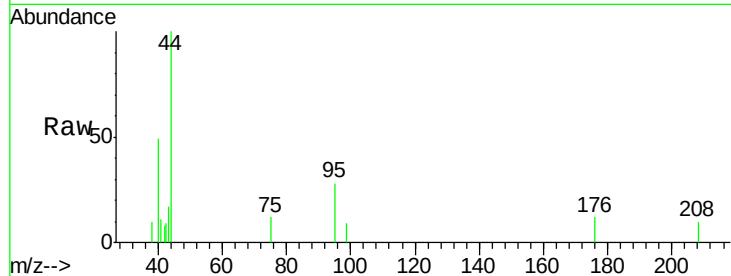
Ion Ratio Lower Upper

43 100

70 0.0 26.7 40.1#

55 0.0 15.4 23.0#

61 0.0 19.4 29.0#

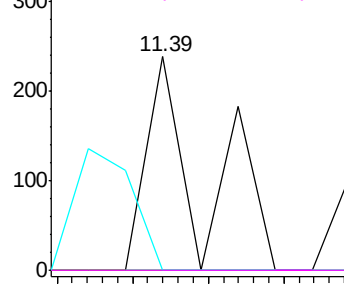


Abundance Ion 43.00 (42.70 to 43.70): VF0

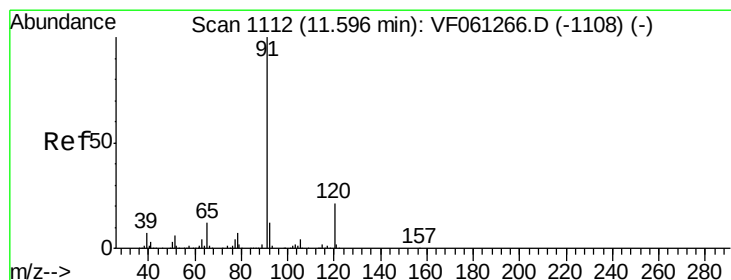
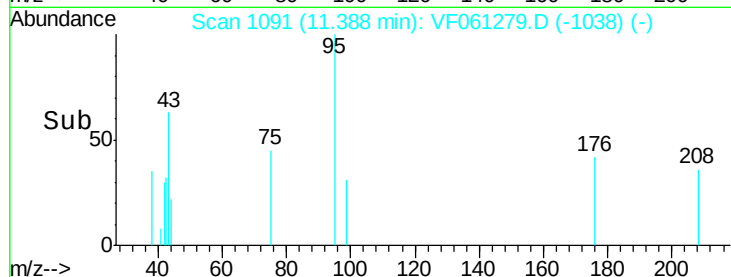
Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



Time--> 11.36 11.38 11.40 11.42



#78

n-propylbenzene

Concen: 1.674 ug/l

RT: 11.57 min Scan# 1109

Delta R.T. -0.03 min

Lab File: VF061279.D

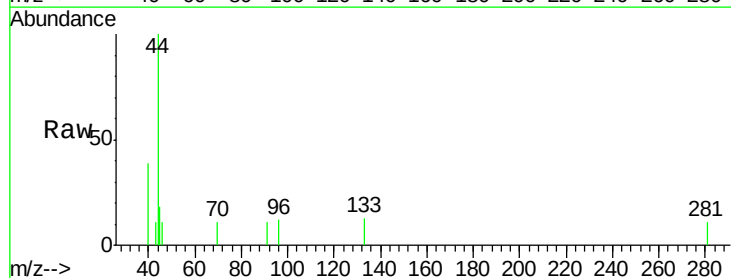
Acq: 7 Jan 2019 15:11

Tgt Ion: 91 Resp: 69

Ion Ratio Lower Upper

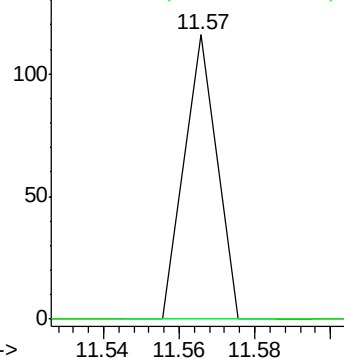
91 100

120 0.0 10.6 31.8#

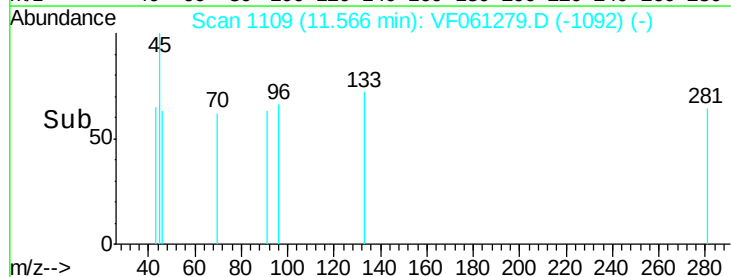


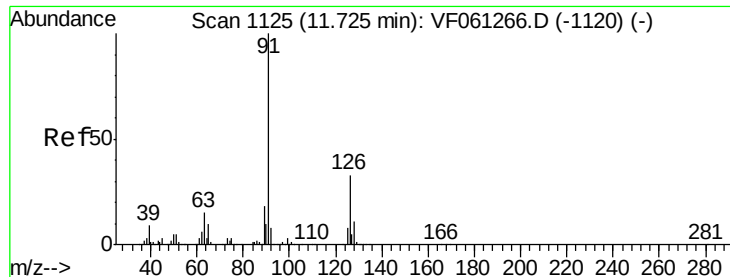
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



Time--> 11.54 11.56 11.58





#79

2-Chlorotoluene

Concen: 2.521 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF061279.D

Acq: 7 Jan 2019 15:11

Instrument :

MSVOA_F

ClientSampleId :

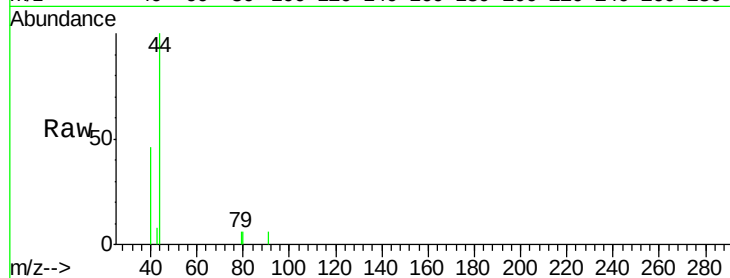
EO-02-010419-C

Tot Ion: 91 Resp: 60

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.71

100

80

60

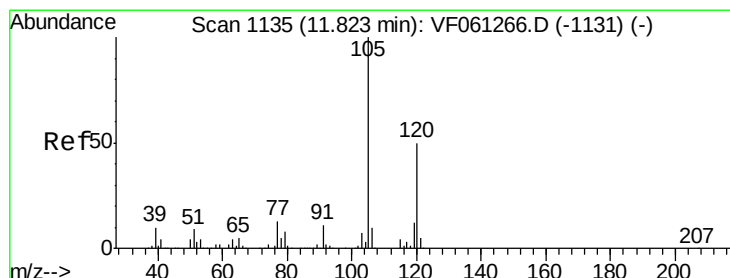
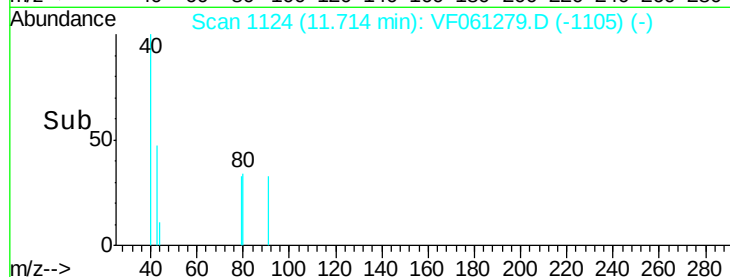
40

20

0

Time-->

11.68 11.70 11.72 11.74



#80

1,3,5-Trimethylbenzene

Concen: 2.257 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VF061279.D

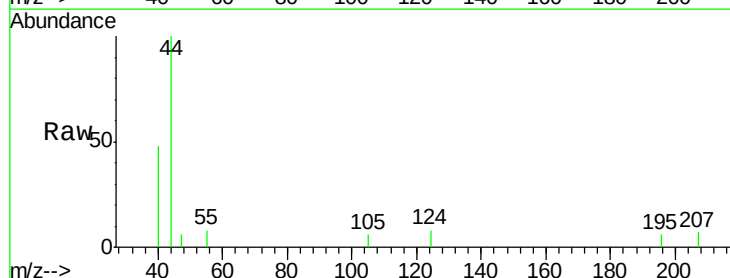
Acq: 7 Jan 2019 15:11

Tgt Ion:105 Resp: 63

Ion Ratio Lower Upper

105 100

120 0.0 24.8 74.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150

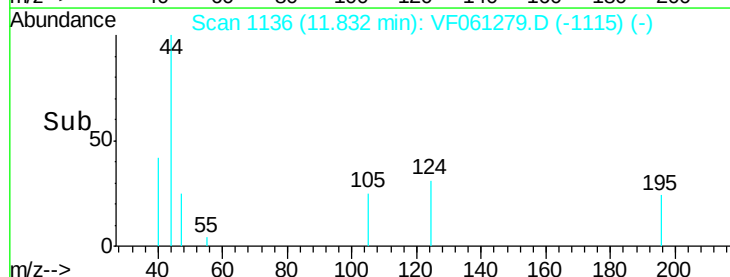
100

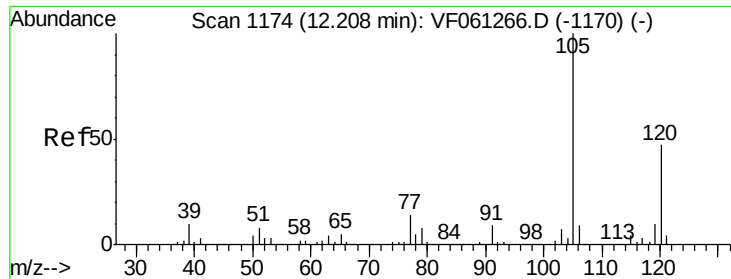
50

0

Time-->

11.82 11.84 11.86

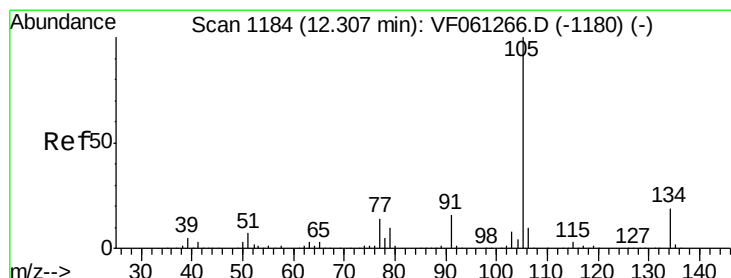
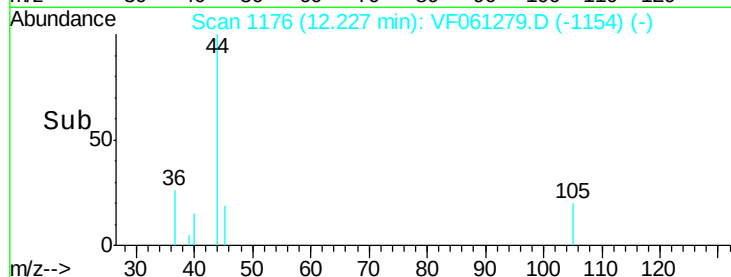
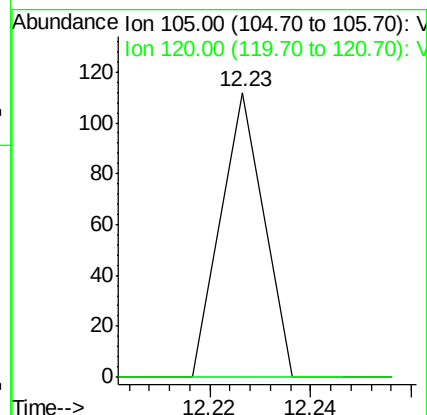
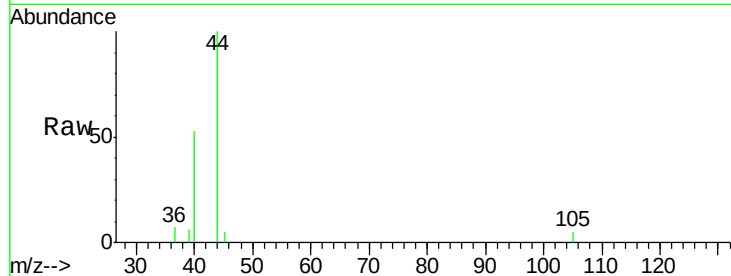




#84
 1,2,4-Trimethylbenzene
 Concen: 2.375 ug/l
 RT: 12.23 min Scan# 1176
 Delta R.T. 0.02 min
 Lab File: VF061279.D
 Acq: 7 Jan 2019 15:11

Instrument :
 MSVOA_F
 ClientSampleId :
 EO-02-010419-C

Tot Ion:105 Resp: 66
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.3 69.9#



#85
 sec-Butylbenzene
 Concen: 1.691 ug/l
 RT: 12.23 min Scan# 1176
 Delta R.T. -0.08 min
 Lab File: VF061279.D
 Acq: 7 Jan 2019 15:11

Tgt Ion:105 Resp: 66
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.4 28.2#

