

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059540.D
 Acq On : 19 Jul 2018 4:07
 Operator : VA/AP
 Sample : J3991-04
 Misc : 5.36g/5mL/MSVOA F/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 19 05:55:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	1092	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.79	114	1071	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	60	50.00	ug/l	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	60	3.53	ug/l	0.02
Spiked Amount						
			Recovery	=		7.06%
35) Dibromofluoromethane	4.29	113	142	15.31	ug/l	-0.01
Spiked Amount						
			Recovery	=		30.62%
50) Toluene-d8	7.71	98	709	30.34	ug/l	-0.01
Spiked Amount						
			Recovery	=		60.68%
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount						
			Recovery	=		0.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.85	85	70	5.232	ug/l #	41
3) Chloromethane	1.00	50	118	16.029	ug/l #	44
4) Vinyl Chloride	1.04	62	73	9.828	ug/l #	43
5) Bromomethane	1.31	94	60	11.655	ug/l #	3
6) Chloroethane	1.36	64	62	16.553	ug/l #	46
8) Diethyl Ether	1.78	74	63	18.009	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	1.89	101	100	13.025	ug/l #	21
12) 1,1-Dichloroethene	1.86	96	69	8.451	ug/l #	1
13) Acrolein	2.02	56	65	205.920	ug/l #	12
14) Allyl chloride	2.18	41	72	7.067	ug/l #	1
15) Acrylonitrile	3.21	53	89	62.461	ug/l #	13
16) Acetone	2.35	43	175	46.560	ug/l #	64
17) Carbon Disulfide	1.91	76	69	3.298	ug/l #	74
18) Methyl Acetate	2.44	43	97	16.686	ug/l #	67
19) Methyl tert-butyl Ether	2.42	73	79	3.085	ug/l #	59
20) Methylene Chloride	2.43	84	62	3.863	ug/l #	3
21) trans-1,2-Dichloroethene	2.36	96	67	8.876	ug/l #	1
22) Diisopropyl ether	2.92	45	79	2.759	ug/l #	37
23) Vinyl Acetate	3.33	43	257	15.359	ug/l #	84
24) 1,1-Dichloroethane	3.03	63	108	6.107	ug/l #	91
25) 2-Butanone	4.51	43	148	37.535	ug/l #	60
26) 2,2-Dichloropropane	3.76	77	63	5.385	ug/l #	62
27) cis-1,2-Dichloroethene	3.68	96	104	11.838	ug/l #	1
28) Bromochloromethane	3.92	49	258	33.145	ug/l #	6
29) Tetrahydrofuran	4.10	42	94	40.669	ug/l #	38
31) Cyclohexane	3.82	56	124	13.537	ug/l #	15
32) 1,1,1-Trichloroethane	4.27	97	75	4.518	ug/l #	21
37) Ethyl Acetate	4.34	43	138	20.516	ug/l #	41
40) Benzene	4.80	78	202	9.713	ug/l #	51
41) Methacrylonitrile	4.92	41	128	41.637	ug/l #	27
42) 1,2-Dichloroethane	5.07	62	64	4.685	ug/l	85
43) Isopropyl Acetate	7.12	43	232	30.118	ug/l #	51
45) 1,2-Dichloropropane	6.27	63	78	13.513	ug/l #	42
46) Dibromomethane	6.27	93	90	17.120	ug/l #	3

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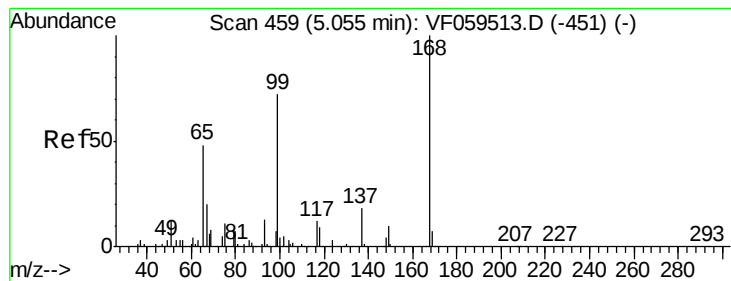
Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 19 05:55:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

48) Methyl methacrylate	6.95	41	67	12.179	ug/l #	33
49) 1,4-Dioxane	7.07	88	72	Below Cal	#	15
51) 4-Methyl-2-Pentanone	8.42	43	102	18.680	ug/l #	40
53) t-1,3-Dichloropropene	8.36	75	63	5.062	ug/l #	43
56) Ethyl methacrylate	8.80	69	66	9.107	ug/l #	13
57) 1,3-Dichloropropane	9.13	76	83	8.032	ug/l #	42
58) 2-Chloroethyl Vinyl ether	7.72	63	79	123.467	ug/l	100
59) 2-Hexanone	9.49	43	110	26.656	ug/l	66
69) o-Xylene	10.83	106	70	24.471	ug/l #	1
71) Bromoform	10.97	173	72	53.221	ug/l #	27
73) Isopropylbenzene	11.25	105	67	17.696	ug/l #	51
74) N-amyl acetate	11.47	43	62	51.131	ug/l #	48
76) 1,2,3-Trichloropropane	11.87	75	161	238.753	ug/l #	38
78) n-propylbenzene	11.55	91	63	14.506	ug/l #	53
79) 2-Chlorotoluene	11.90	91	77	28.784	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.00	105	67	21.119	ug/l #	29
81) trans-1,4-Dichloro-2-buten	12.02	75	158	512.919	ug/l #	6
82) 4-Chlorotoluene	11.90	91	77	25.689	ug/l #	46
87) 1,3-Dichlorobenzene	12.42	146	68	37.351	ug/l #	23
91) 1,2-Dichlorobenzene	13.18	146	76	43.647	ug/l #	24
92) 1,2-Dibromo-3-Chloropropan	13.72	75	93	497.106	ug/l #	8
95) Naphthalene	14.52	128	65	29.573	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

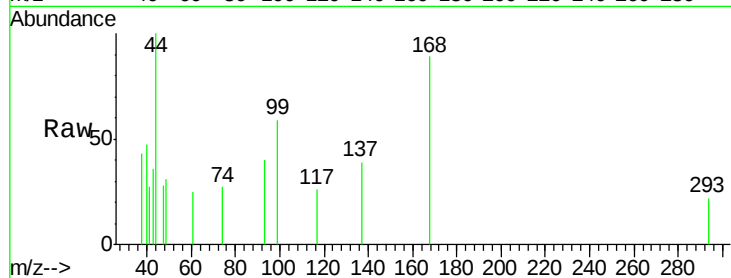
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 1092

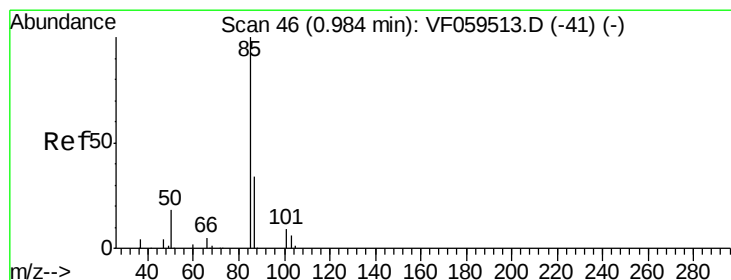
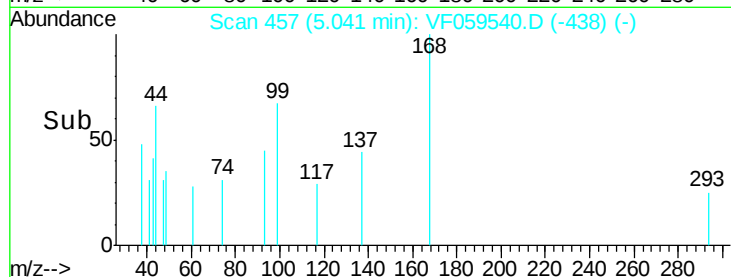
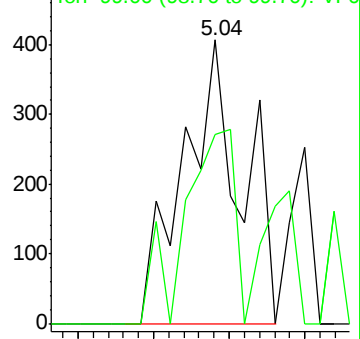
Ion Ratio Lower Upper

168 100

99 66.6 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 5.232 ug/l

RT: 0.85 min Scan# 32

Delta R.T. -0.13 min

Lab File: VF059540.D

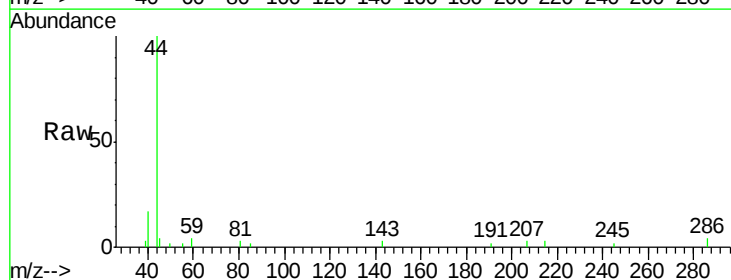
Acq: 19 Jul 2018 4:07

Tgt Ion: 85 Resp: 70

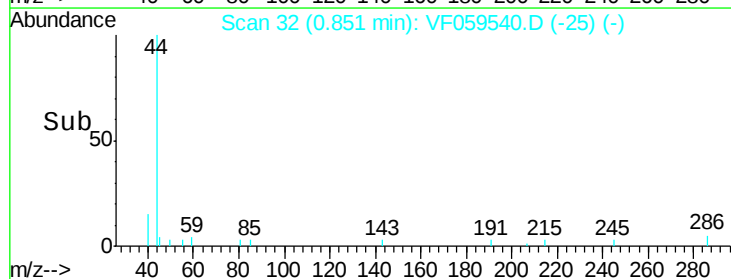
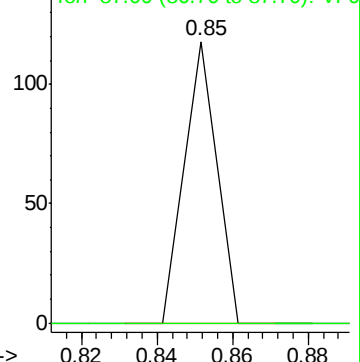
Ion Ratio Lower Upper

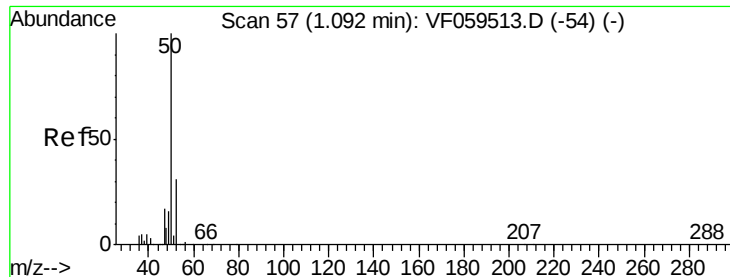
85 100

87 0.0 16.9 50.6#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 16.029 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.09 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

Instrument :

MSVOA_F

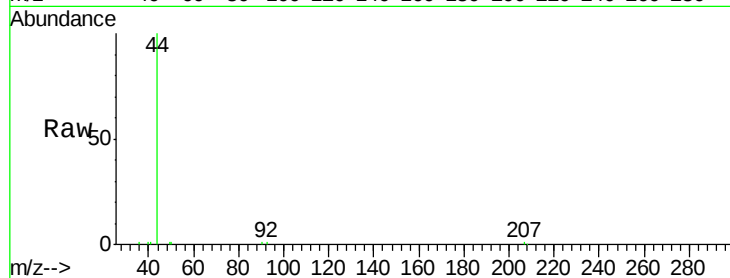
ClientSampled :

Tot Ion: 50 Resp: 118

Ion Ratio Lower Upper

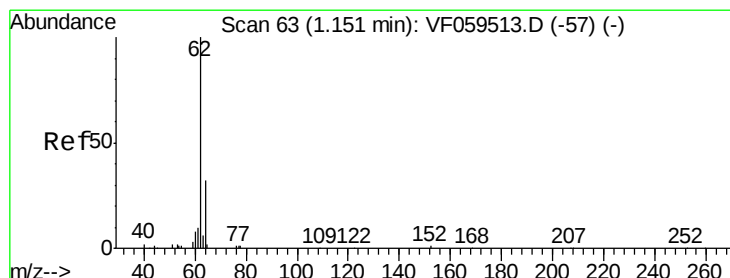
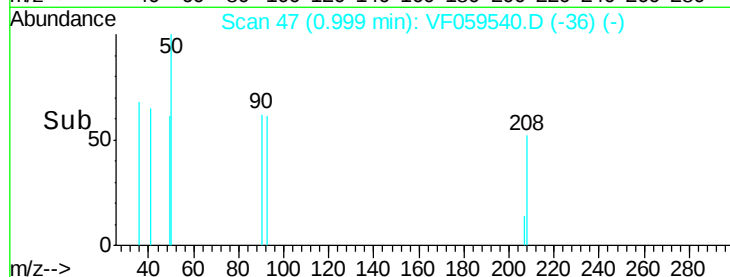
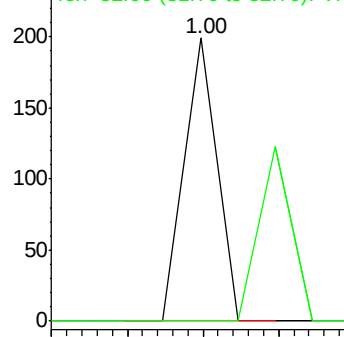
50 100

52 0.0 24.6 37.0#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 9.828 ug/l

RT: 1.04 min Scan# 51

Delta R.T. -0.11 min

Lab File: VF059540.D

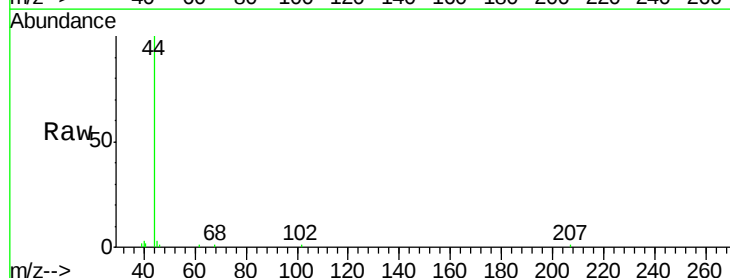
Acq: 19 Jul 2018 4:07

Tgt Ion: 62 Resp: 73

Ion Ratio Lower Upper

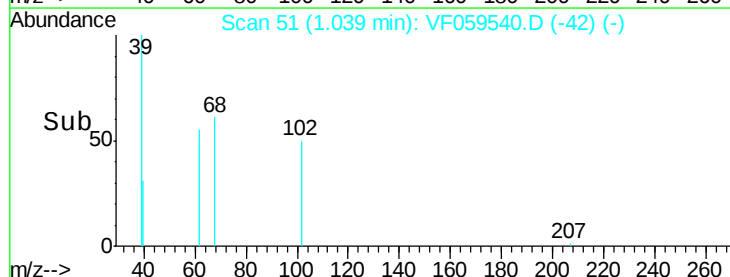
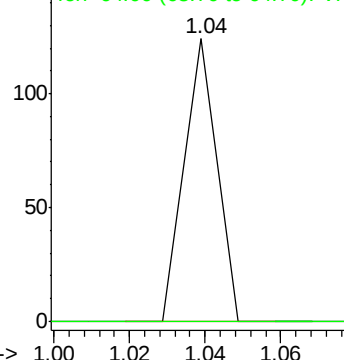
62 100

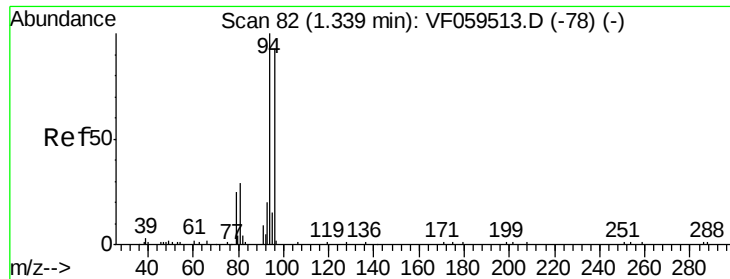
64 0.0 25.7 38.5#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 11.655 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.02 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

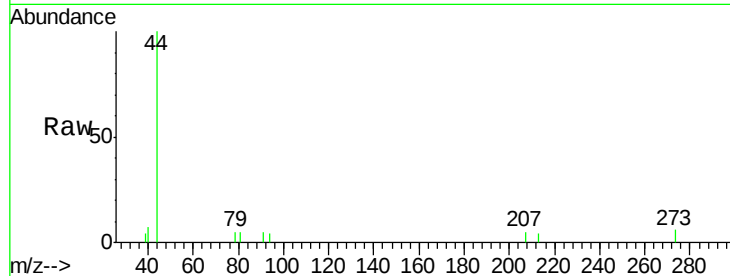
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 94 Resp: 60

Ion Ratio Lower Upper

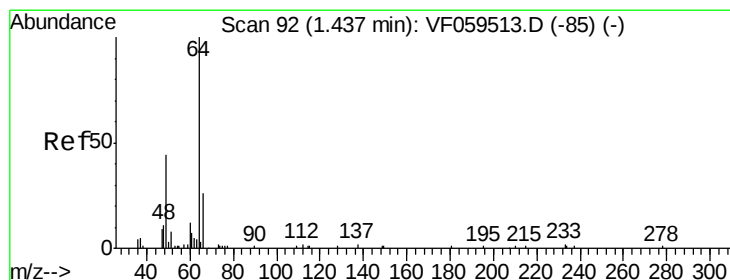
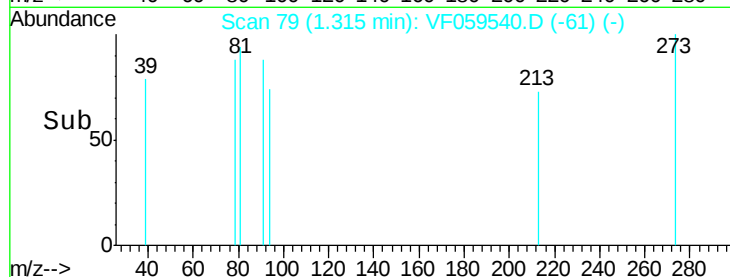
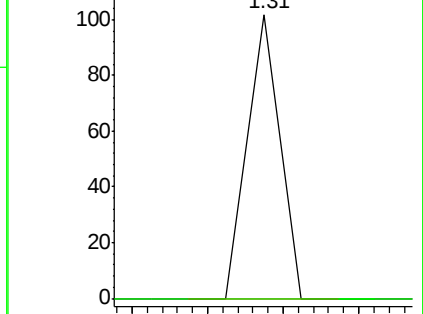
94 100

96 0.0 74.2 111.2#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 16.553 ug/l

RT: 1.36 min Scan# 84

Delta R.T. -0.07 min

Lab File: VF059540.D

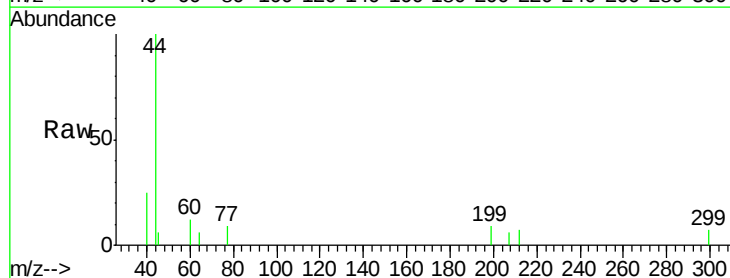
Acq: 19 Jul 2018 4:07

Tgt Ion: 64 Resp: 62

Ion Ratio Lower Upper

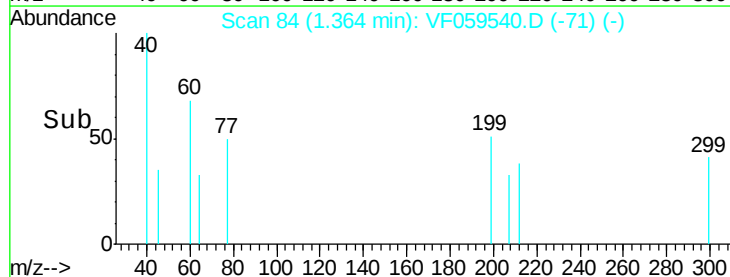
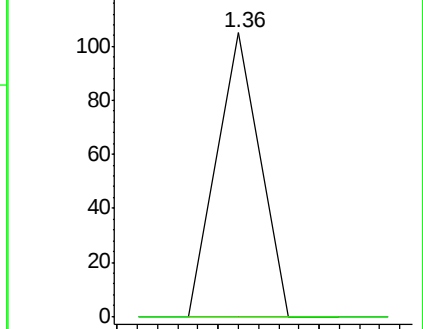
64 100

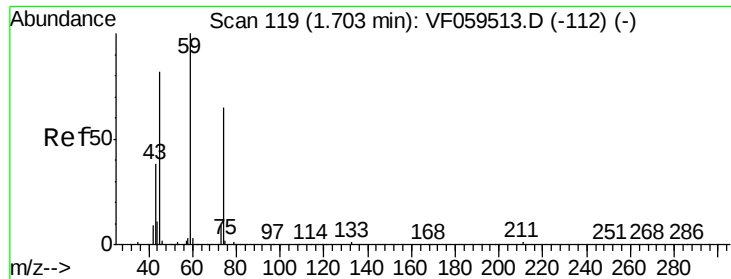
66 0.0 22.9 34.3#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#8

Diethyl Ether

Concen: 18.009 ug/l

RT: 1.78 min Scan# 126

Delta R.T. 0.07 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

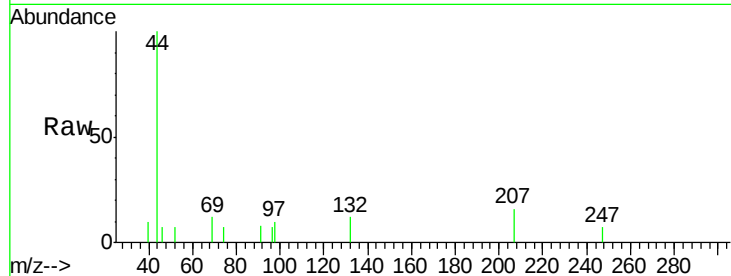
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 74 Resp: 63

Ion Ratio Lower Upper

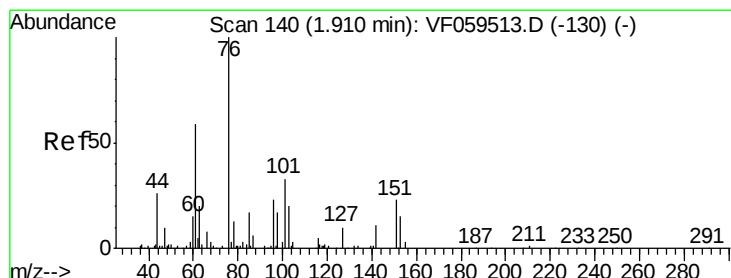
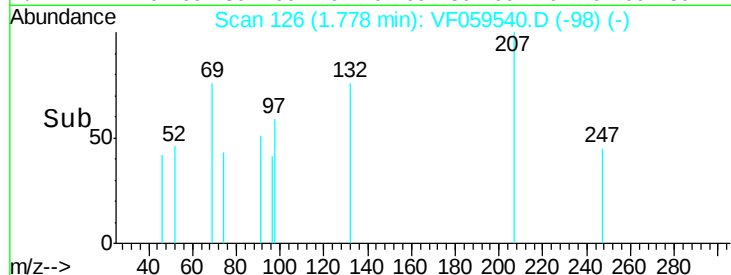
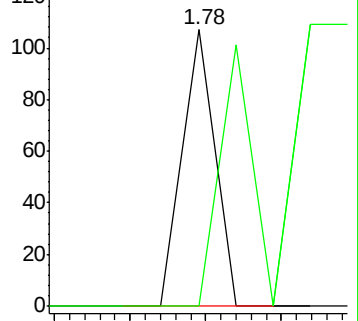
74 100

45 0.0 63.6 190.9#



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.025 ug/l

RT: 1.89 min Scan# 137

Delta R.T. -0.02 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

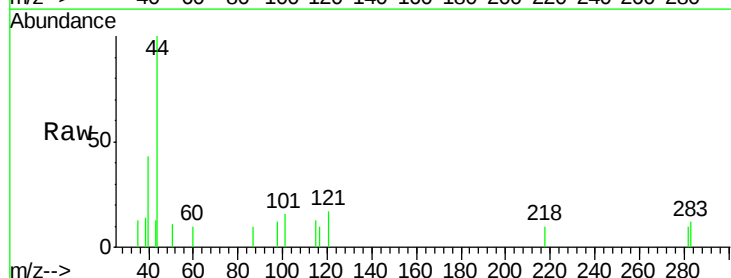
Tgt Ion: 101 Resp: 100

Ion Ratio Lower Upper

101 100

85 0.0 39.8 59.6#

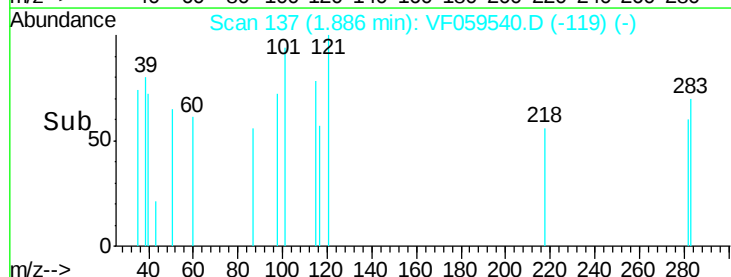
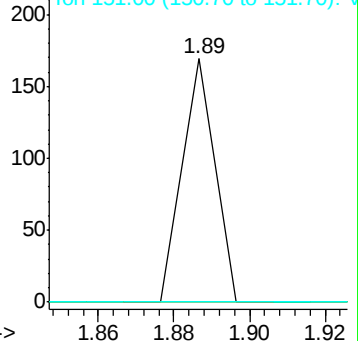
151 0.0 54.2 81.2#

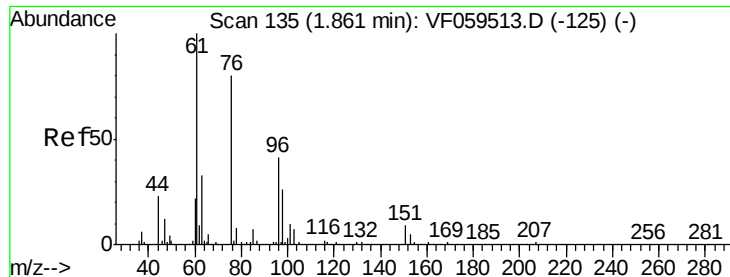


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 8.451 ug/l

RT: 1.86 min Scan# 134

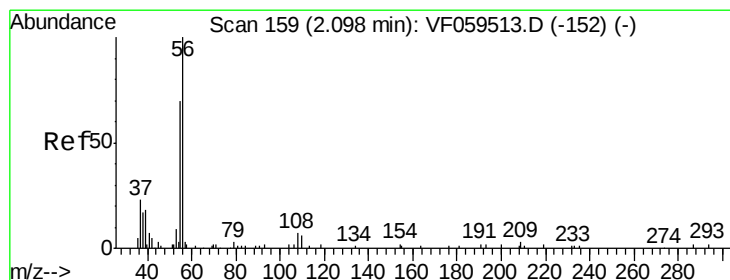
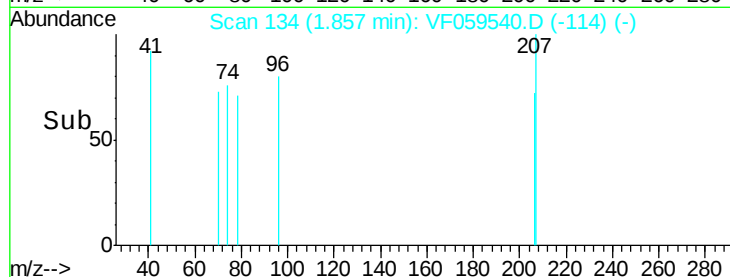
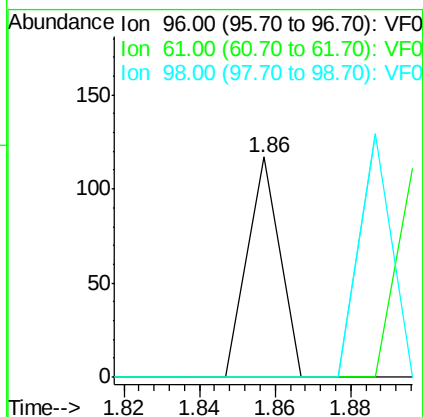
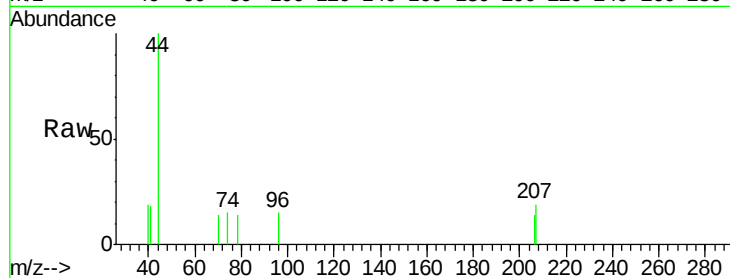
Delta R.T. -0.00 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	96	Resp:	69
Ion	Ratio	Lower	Upper
96	100		
61	0.0	194.3	291.5#
98	0.0	50.3	75.5#



#13

Acrolein

Concen: 205.920 ug/l

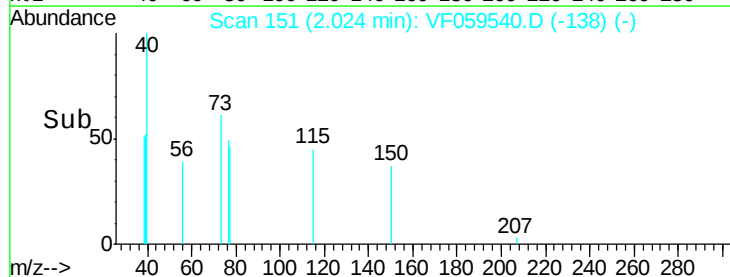
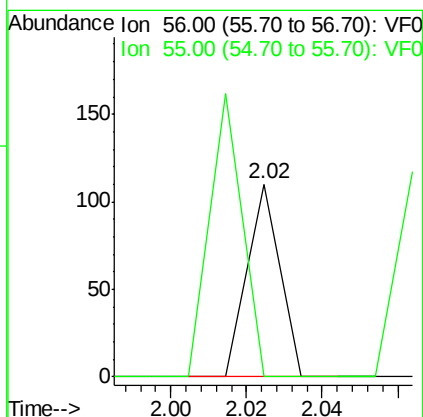
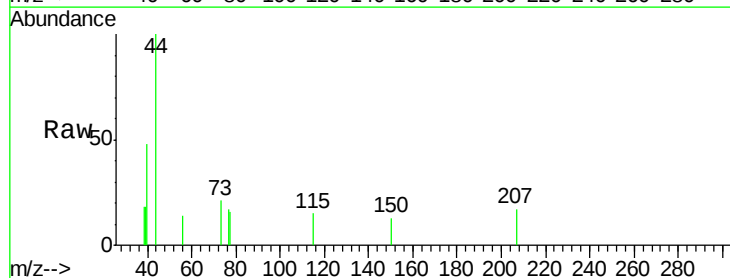
RT: 2.02 min Scan# 151

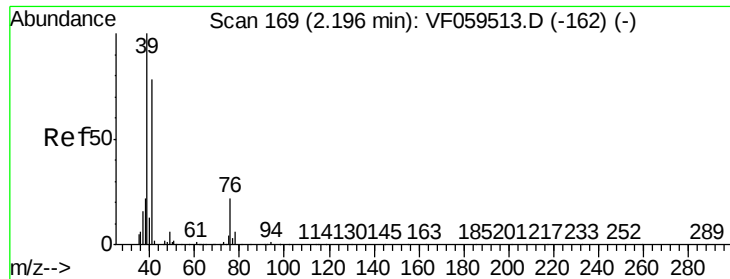
Delta R.T. -0.07 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

Tgt Ion:	56	Resp:	65
Ion	Ratio	Lower	Upper
56	100		
55	0.0	59.4	89.2#

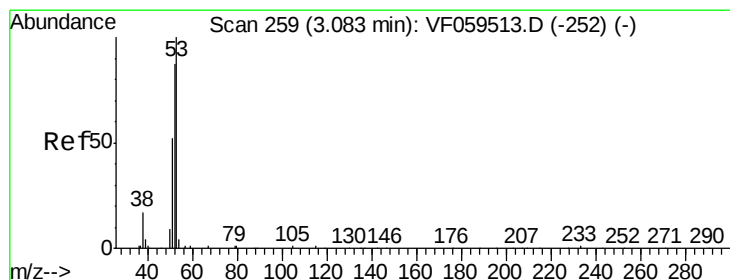
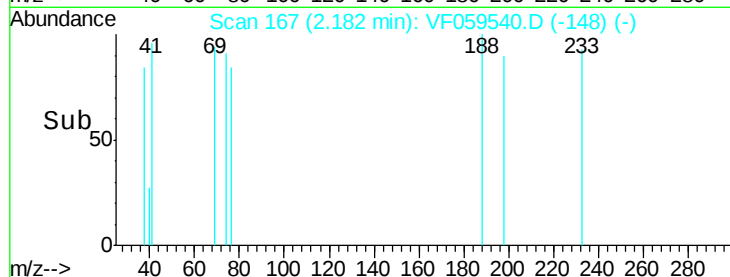
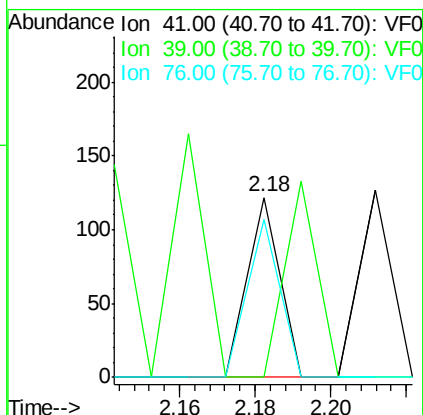
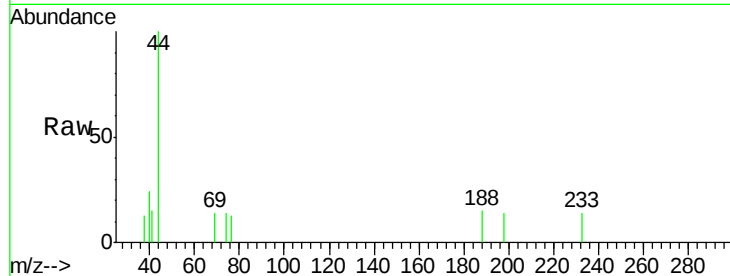




#14
Allvl chloride
Concen: 7.067 ug/l
RT: 2.18 min Scan# 167
Delta R.T. -0.01 min
Lab File: VF059540.D
Acq: 19 Jul 2018 4:07

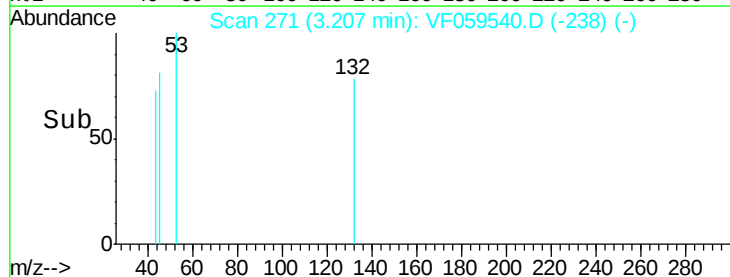
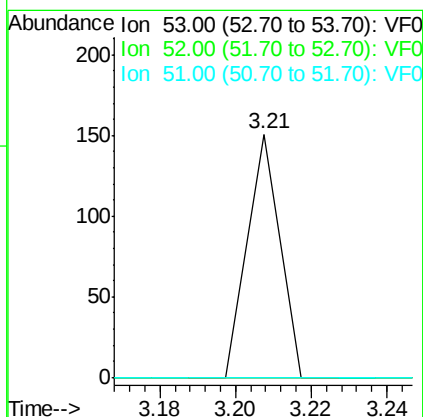
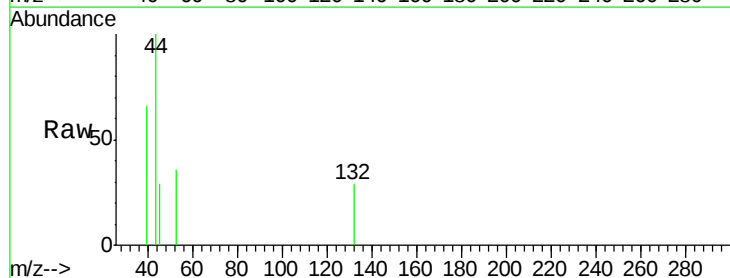
Instrument :
MSVOA_F
ClientSampled :

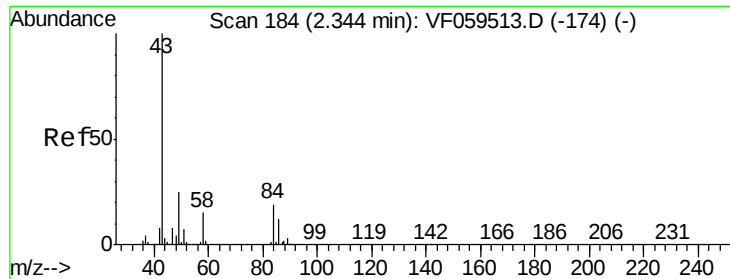
Tot Ion: 41 Resp: 72
Ion Ratio Lower Upper
41 100
39 0.0 103.0 154.4#
76 87.7 22.6 34.0#



#15
Acrylonitrile
Concen: 62.461 ug/l
RT: 3.21 min Scan# 271
Delta R.T. 0.12 min
Lab File: VF059540.D
Acq: 19 Jul 2018 4:07

Tgt Ion: 53 Resp: 89
Ion Ratio Lower Upper
53 100
52 0.0 70.1 105.1#
51 0.0 42.5 63.7#





#16

Acetone

Concen: 46.560 ug/l

RT: 2.35 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

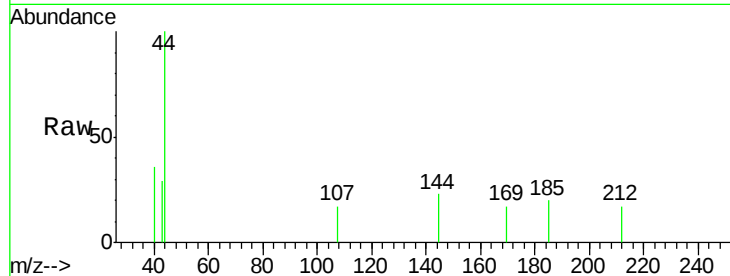
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 175

Ion Ratio Lower Upper

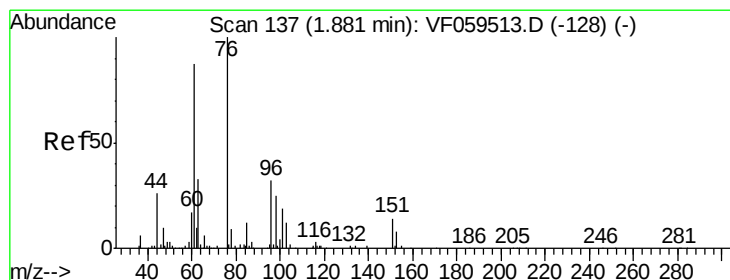
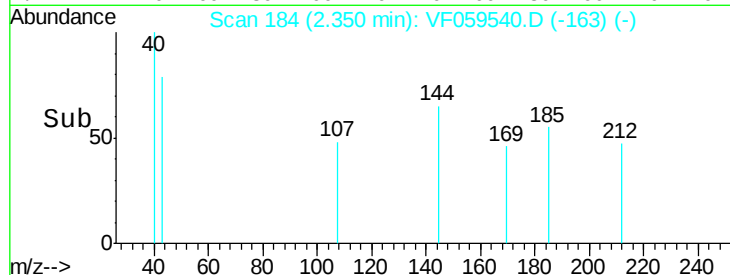
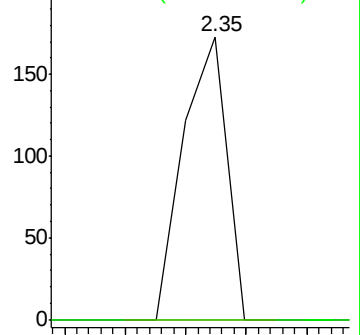
43 100

58 0.0 11.8 17.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#17

Carbon Disulfide

Concen: 3.298 ug/l

RT: 1.91 min Scan# 139

Delta R.T. 0.03 min

Lab File: VF059540.D

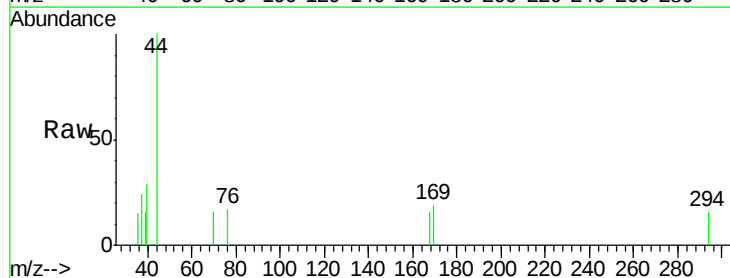
Acq: 19 Jul 2018 4:07

Tgt Ion: 76 Resp: 69

Ion Ratio Lower Upper

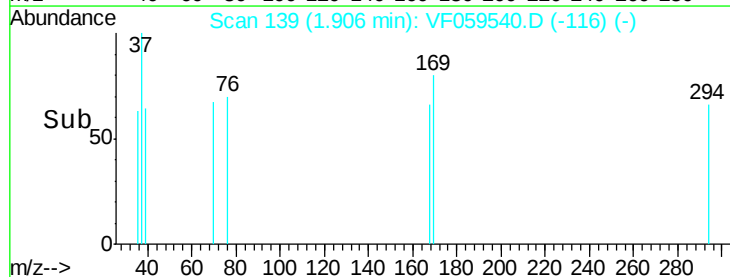
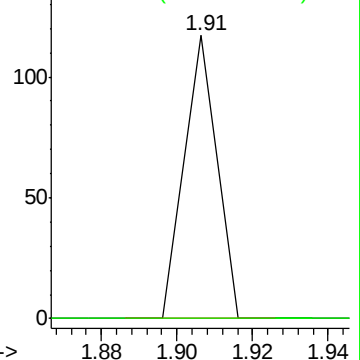
76 100

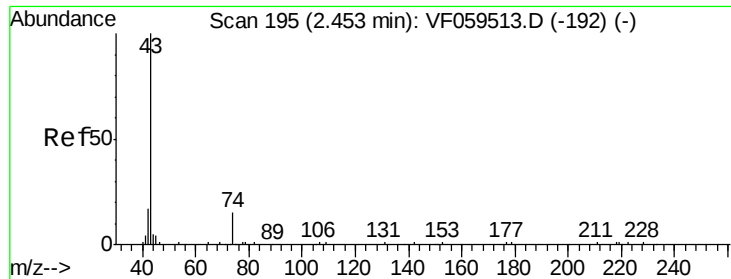
78 0.0 7.8 11.6#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

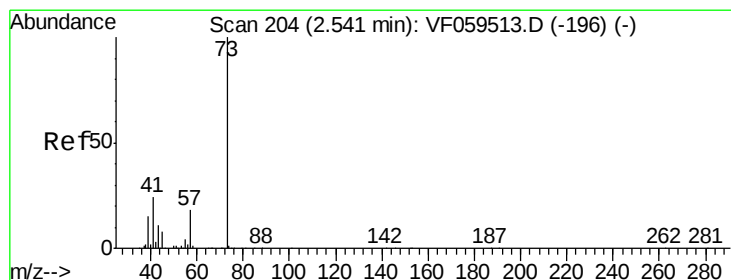
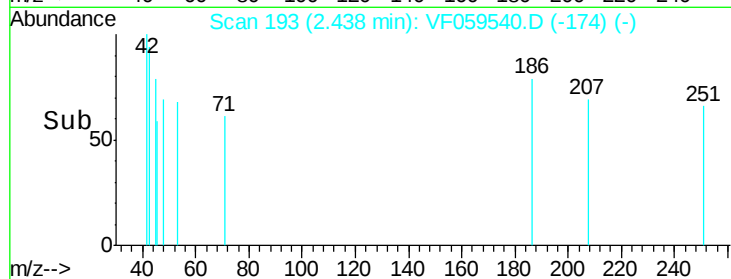
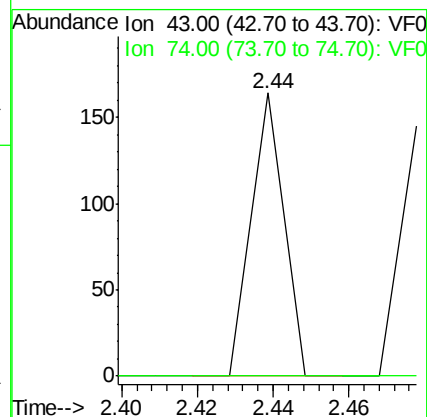
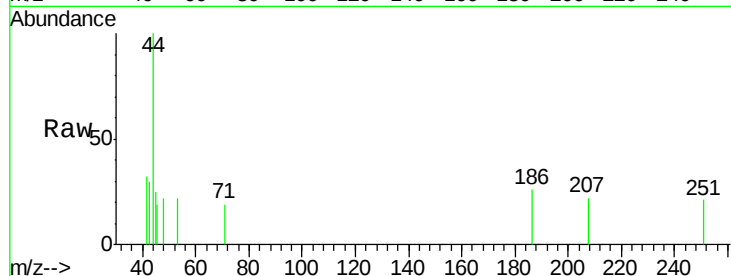




#18
Methvl Acetate
Concen: 16.686 ug/l
RT: 2.44 min Scan# 193
Delta R.T. -0.01 min
Lab File: VF059540.D
Acq: 19 Jul 2018 4:07

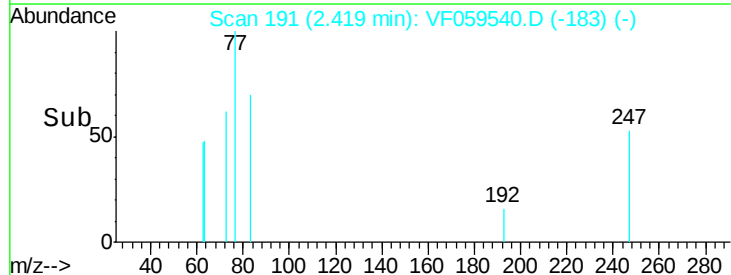
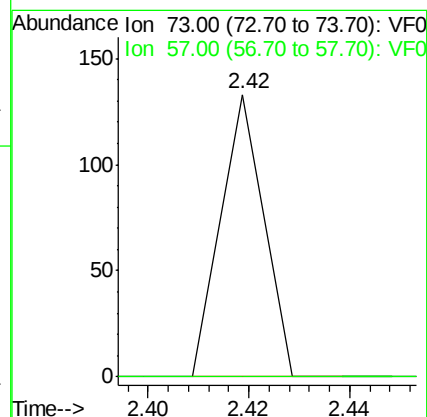
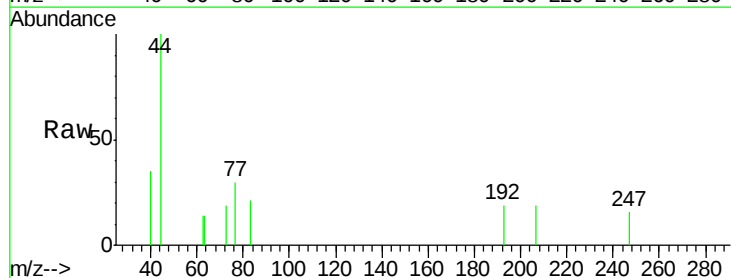
Instrument :
MSVOA_F
ClientSampleId :

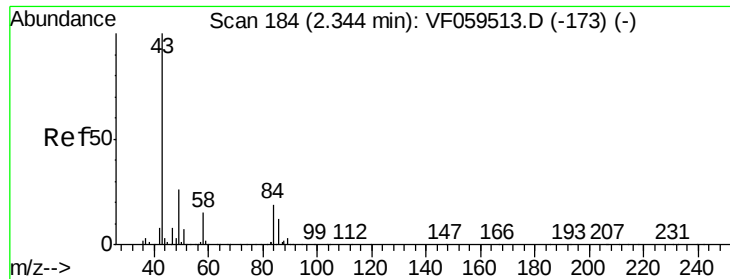
Tot Ion: 43 Resp: 97
Ion Ratio Lower Upper
43 100
74 0.0 10.6 15.8#



#19
Methyl tert-butyl Ether
Concen: 3.085 ug/l
RT: 2.42 min Scan# 191
Delta R.T. -0.12 min
Lab File: VF059540.D
Acq: 19 Jul 2018 4:07

Tgt Ion: 73 Resp: 79
Ion Ratio Lower Upper
73 100
57 0.0 14.3 21.5#

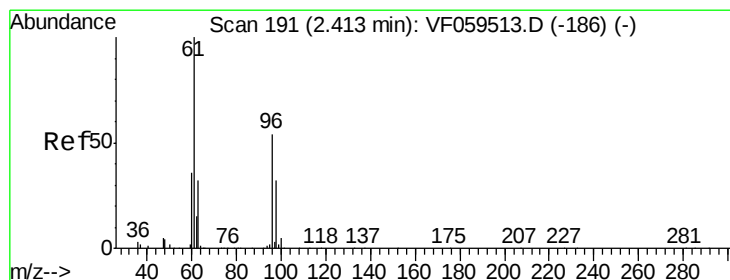
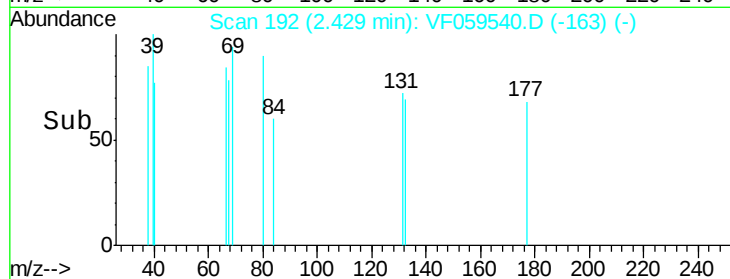
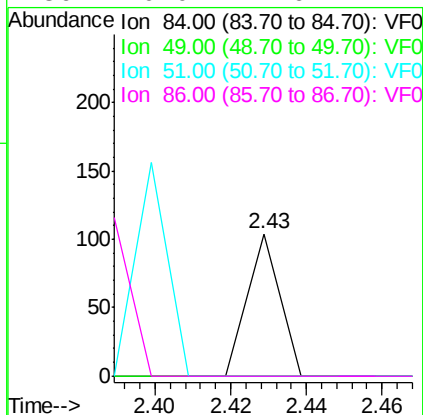
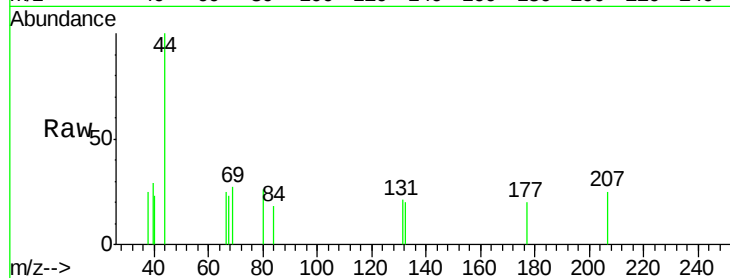




#20
Methvlene Chloride
Concen: 3.863 ug/l
RT: 2.43 min Scan# 192
Delta R.T. 0.08 min
Lab File: VF059540.D
Acq: 19 Jul 2018 4:07

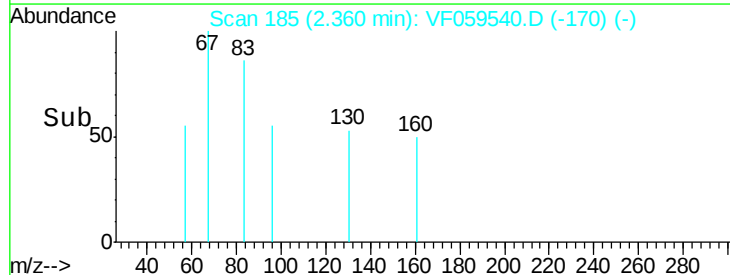
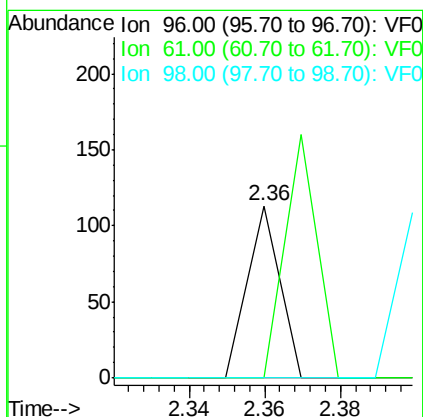
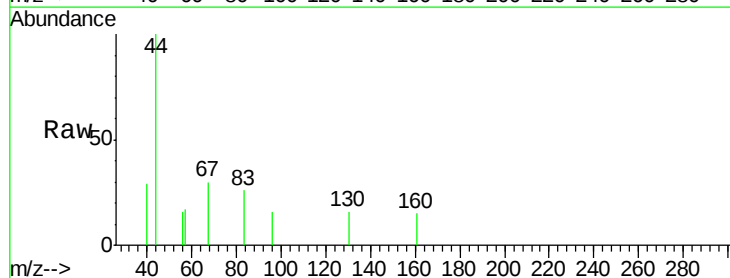
Instrument :
MSVOA_F
ClientSampleId :

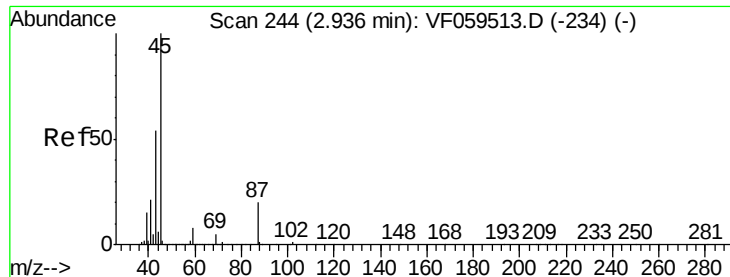
Tot Ion: 84 Resp: 62
Ion Ratio Lower Upper
84 100
49 0.0 109.4 164.2#
51 0.0 30.5 45.7#
86 0.0 47.6 71.4#



#21
trans-1,2-Dichloroethene
Concen: 8.876 ug/l
RT: 2.36 min Scan# 185
Delta R.T. -0.05 min
Lab File: VF059540.D
Acq: 19 Jul 2018 4:07

Tgt Ion: 96 Resp: 67
Ion Ratio Lower Upper
96 100
61 0.0 149.8 224.8#
98 0.0 47.8 71.8#

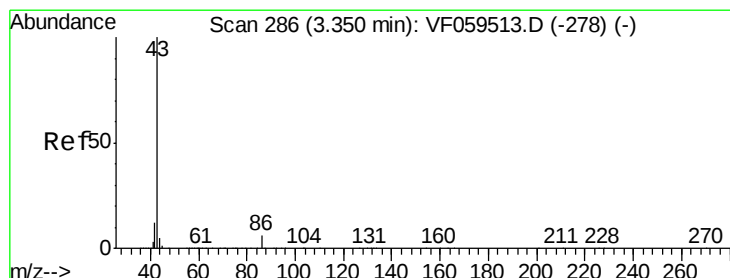
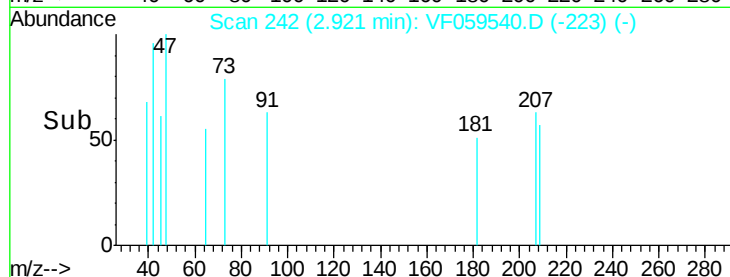
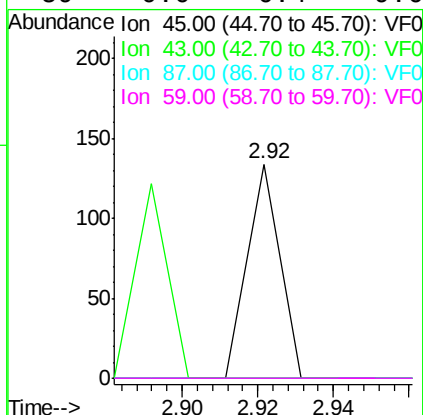
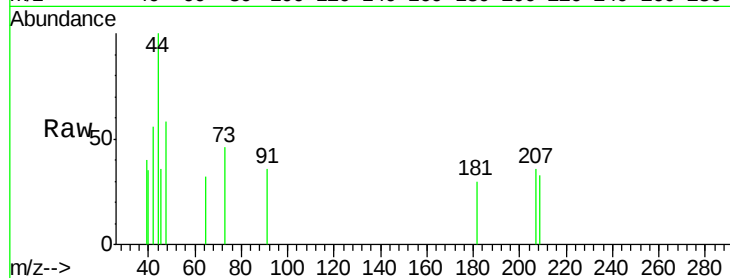




#22
Diisopropyl ether
Concen: 2.759 ug/l
RT: 2.92 min Scan# 242
Delta R.T. -0.01 min
Lab File: VF059540.D
Acq: 19 Jul 2018 4:07

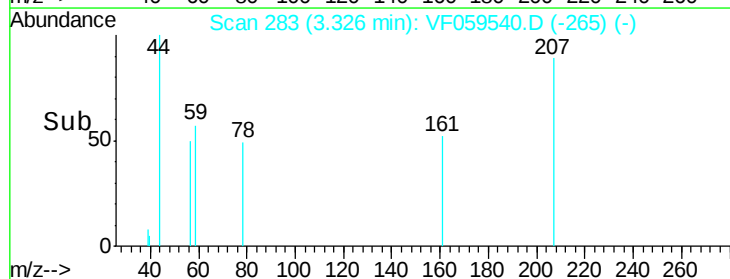
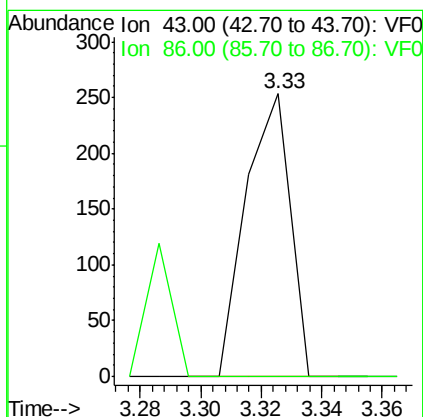
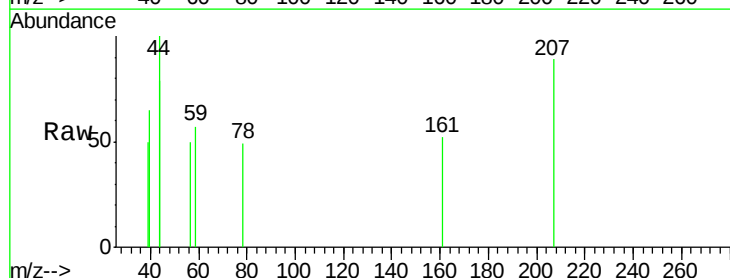
Instrument :
MSVOA_F
ClientSampled :

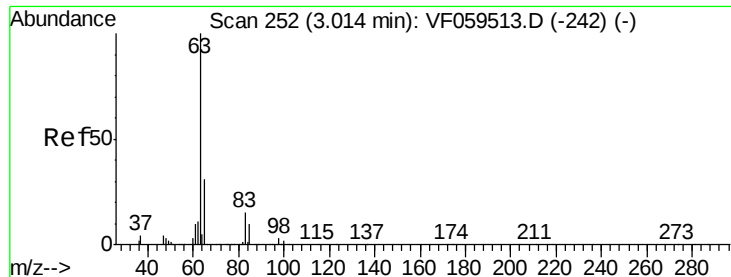
Tot Ion:	45	Resp:	79
Ion	Ratio	Lower	Upper
45	100		
43	0.0	43.6	65.4#
87	0.0	15.6	23.4#
59	0.0	6.4	9.6#



#23
Vinyl Acetate
Concen: 15.359 ug/l
RT: 3.33 min Scan# 283
Delta R.T. -0.02 min
Lab File: VF059540.D
Acq: 19 Jul 2018 4:07

Tgt Ion:	43	Resp:	257
Ion	Ratio	Lower	Upper
43	100		
86	0.0	4.4	6.6#





#24

1,1-Dichloroethane

Concen: 6.107 ug/l

RT: 3.03 min Scan# 253

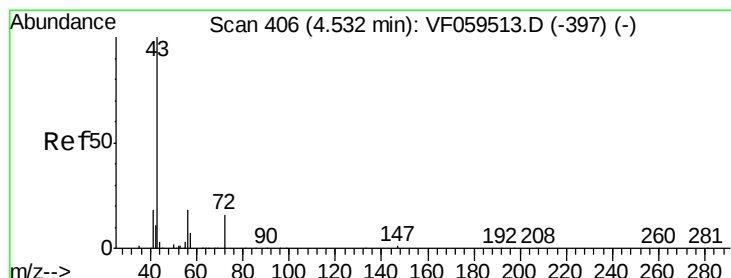
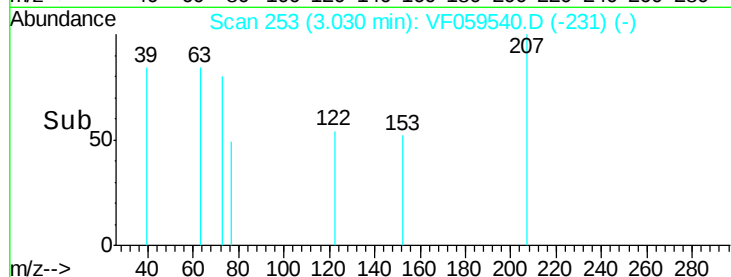
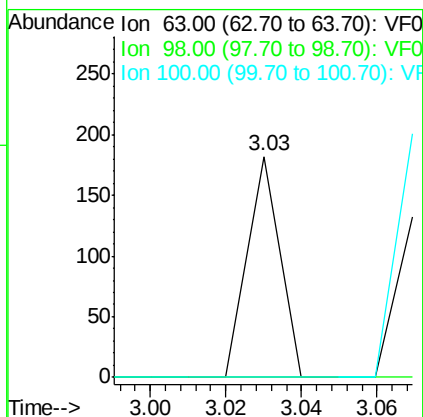
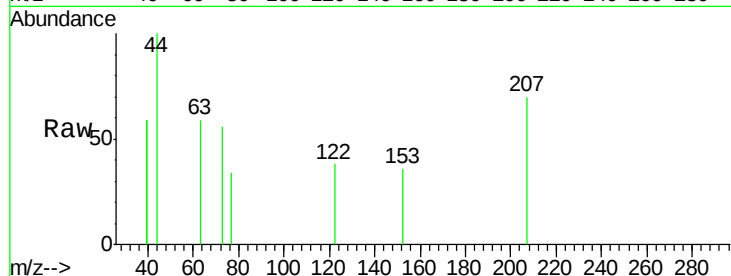
Delta R.T. 0.02 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	63	Resp:	108
Ion	Ratio	Lower	Upper
63	100		
98	0.0	1.8	5.4#
100	0.0	1.3	3.8#



#25

2-Butanone

Concen: 37.535 ug/l

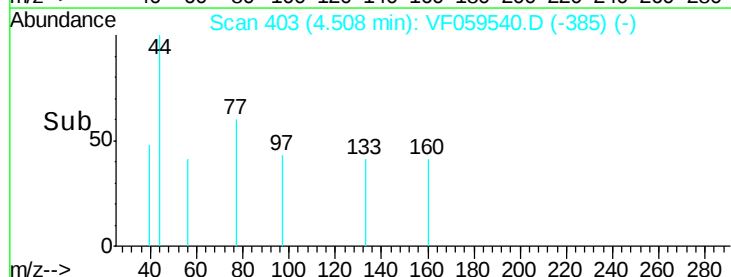
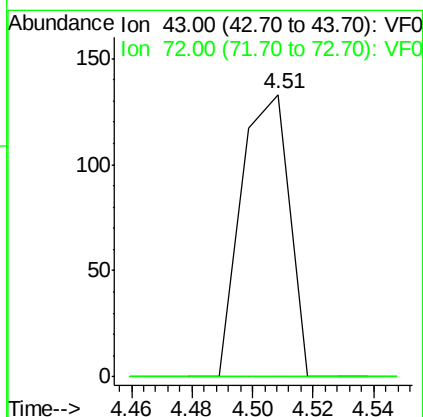
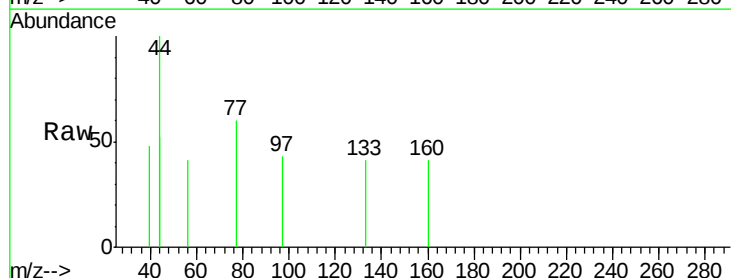
RT: 4.51 min Scan# 403

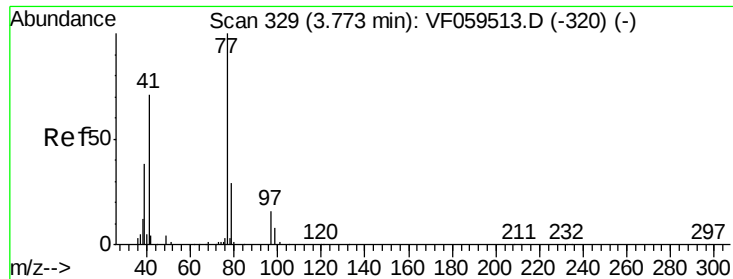
Delta R.T. -0.02 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

Tgt Ion:	43	Resp:	148
Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.2	21.4#





#26

2,2-Dichloropropane

Concen: 5.385 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

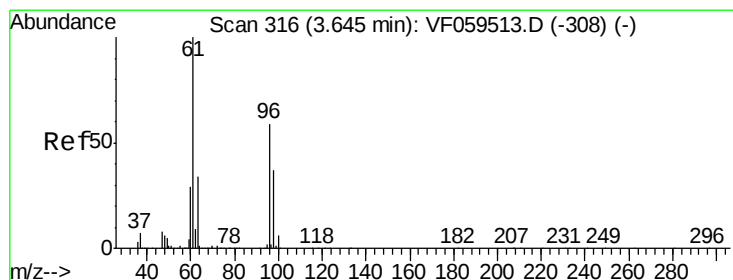
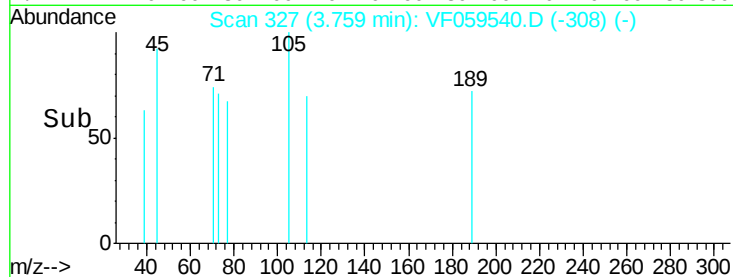
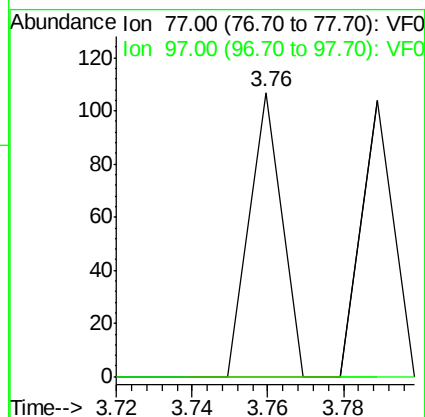
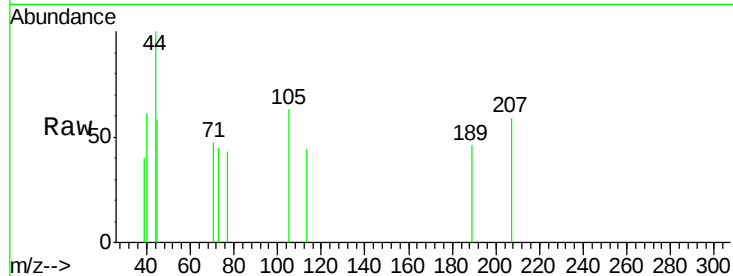
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 77 Resp: 63

Ion Ratio Lower Upper

77 100

97 0.0 8.1 24.3#



#27

cis-1,2-Dichloroethene

Concen: 11.838 ug/l

RT: 3.68 min Scan# 319

Delta R.T. 0.04 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

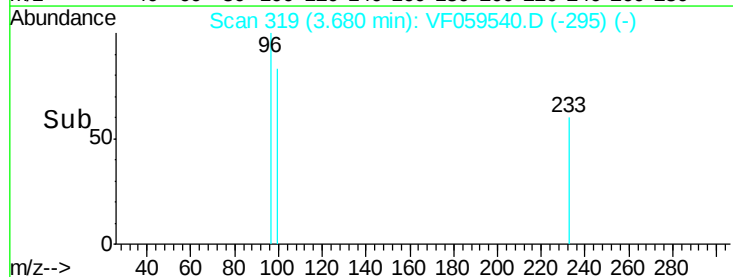
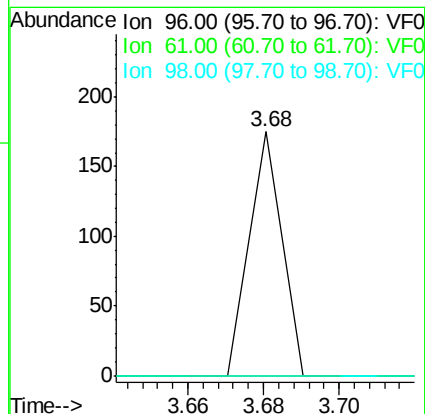
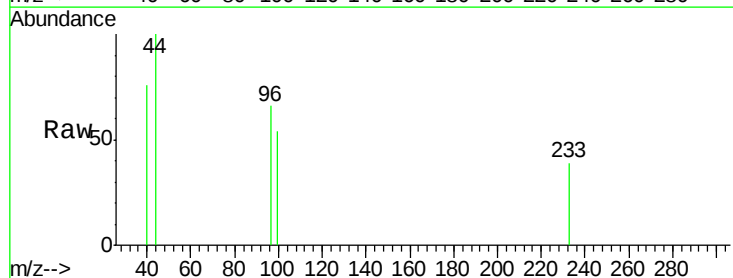
Tgt Ion: 96 Resp: 104

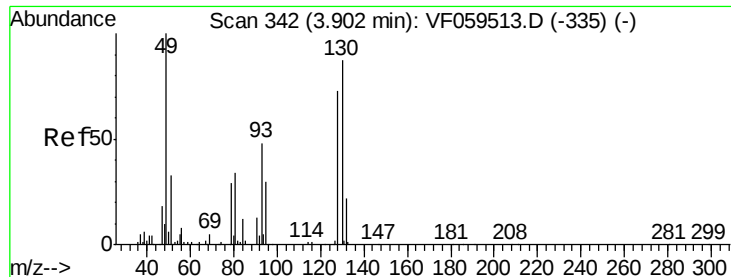
Ion Ratio Lower Upper

96 100

61 0.0 0.0 339.0

98 0.0 0.0 125.4





#28

Bromochloromethane

Concen: 33.145 ug/l

RT: 3.92 min Scan# 343

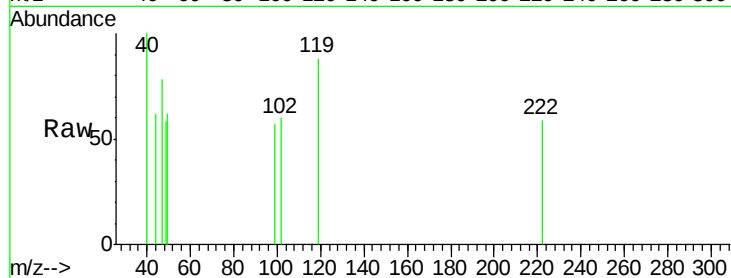
Delta R.T. 0.02 min

Lab File: VF059540.D

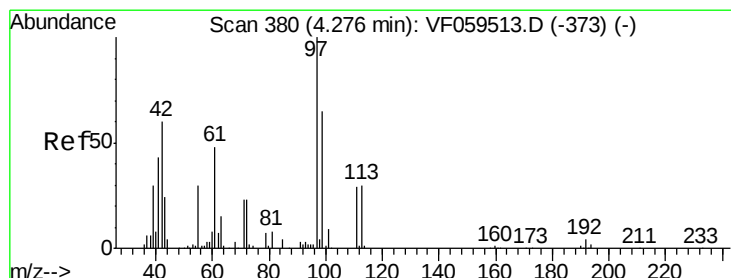
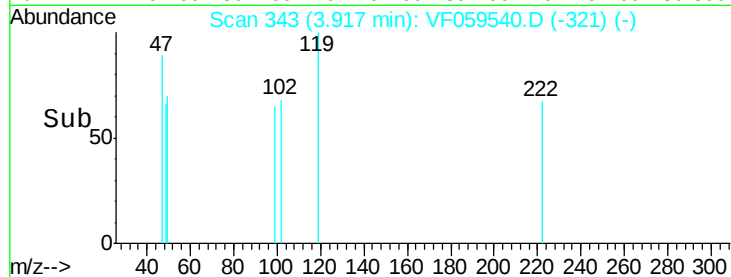
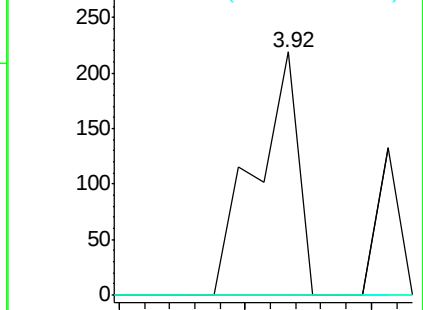
Acq: 19 Jul 2018 4:07

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 49 Resp: 258
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 0.0 69.8 104.6#



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V



#29

Tetrahydrofuran

Concen: 40.669 ug/l

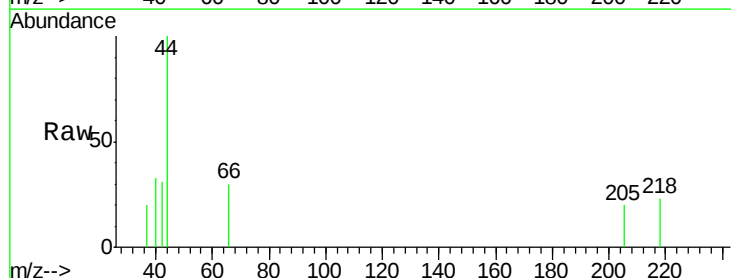
RT: 4.10 min Scan# 362

Delta R.T. -0.17 min

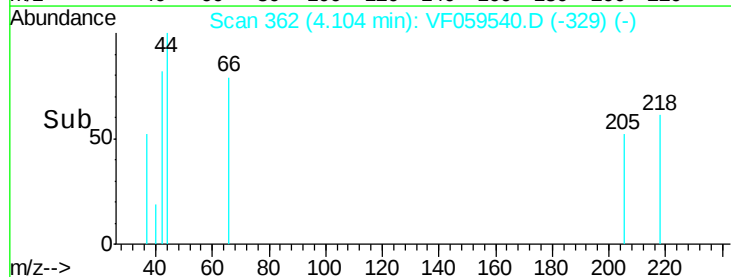
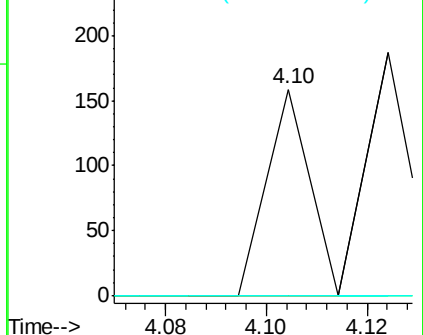
Lab File: VF059540.D

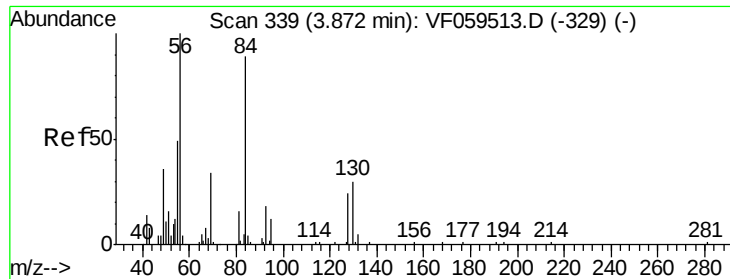
Acq: 19 Jul 2018 4:07

Tgt Ion: 42 Resp: 94
Ion Ratio Lower Upper
42 100
72 0.0 28.7 43.1#
71 0.0 30.8 46.2#



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

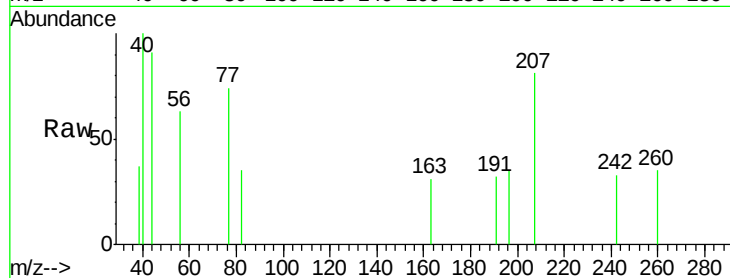




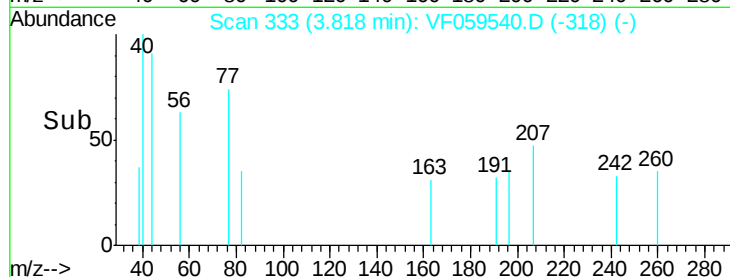
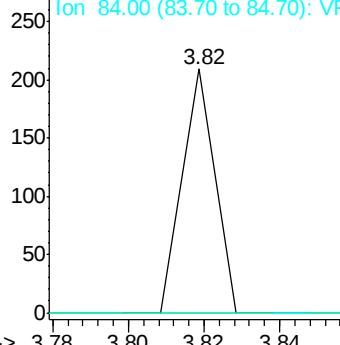
#31
Cvclohexane
Concen: 13.537 ug/l
RT: 3.82 min Scan# 333
Delta R.T. -0.05 min
Lab File: VF059540.D
Acq: 19 Jul 2018 4:07

Instrument :
MSVOA_F
ClientSampled :

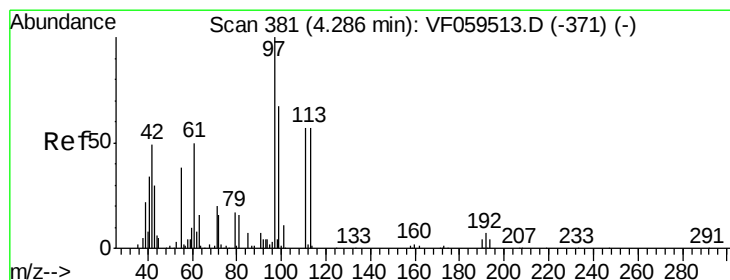
Tot Ion:	56	Resp:	124
Ion	Ratio	Lower	Upper
56	100		
69	0.0	27.6	41.4#
84	0.0	71.4	107.2#



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

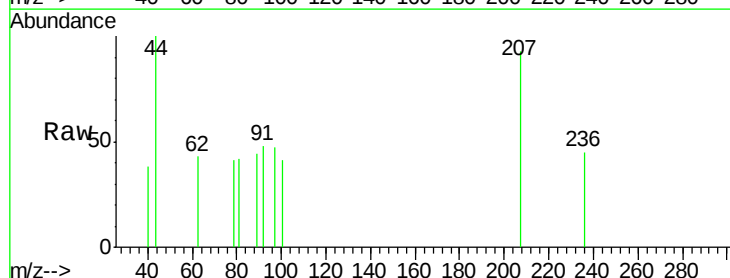


Time-->

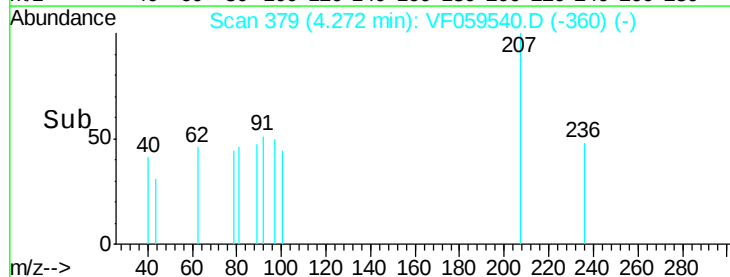
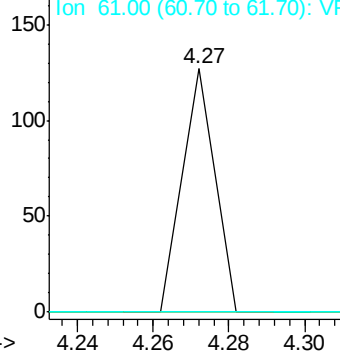


#32
1,1,1-Trichloroethane
Concen: 4.518 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059540.D
Acq: 19 Jul 2018 4:07

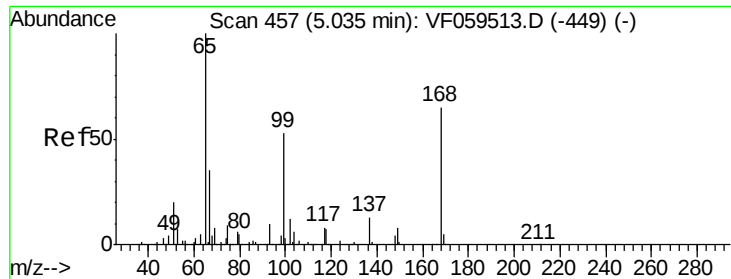
Tgt Ion:	97	Resp:	75
Ion	Ratio	Lower	Upper
97	100		
99	0.0	53.5	80.3#
61	0.0	39.7	59.5#



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0



Time-->



#33

1,2-Dichloroethane-d4

Concen: 3.533 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.02 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

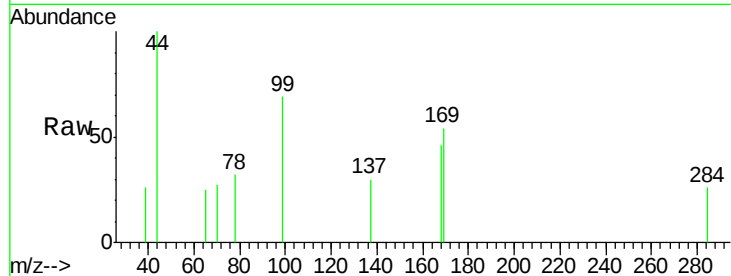
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 60

Ion Ratio Lower Upper

65 100

67 0.0 0.0 91.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

150

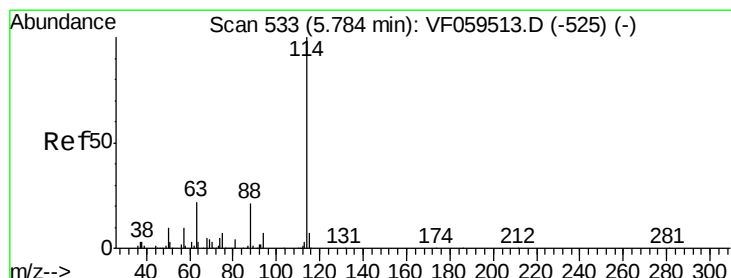
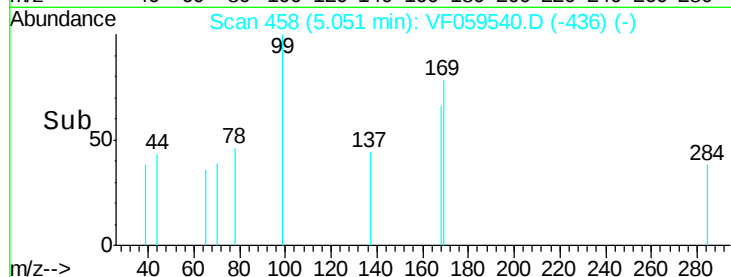
100

50

0

5.02 5.04 5.06 5.08

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.01 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

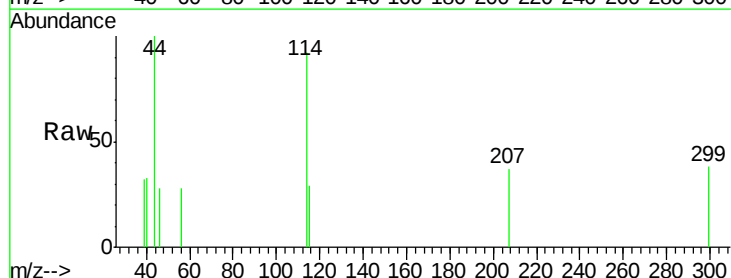
Tgt Ion: 114 Resp: 1071

Ion Ratio Lower Upper

114 100

63 0.0 0.0 44.8

88 0.0 0.0 42.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

400

300

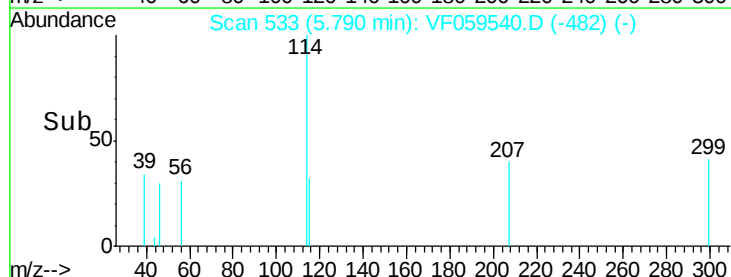
200

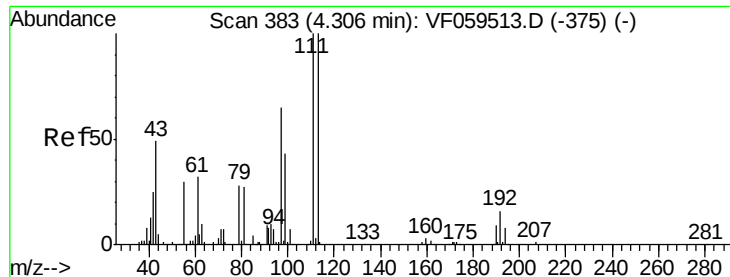
100

0

5.70 5.75 5.80 5.85

Time-->





#35

Dibromofluoromethane

Concen: 15.309 ug/l

RT: 4.29 min Scan# 381

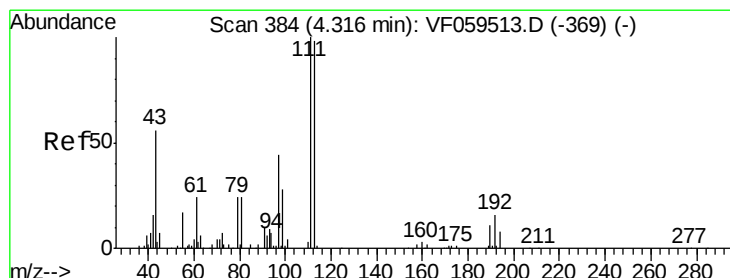
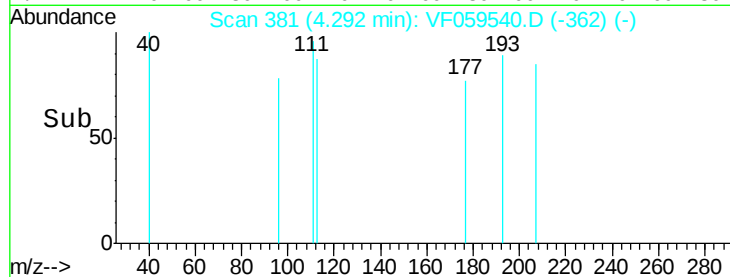
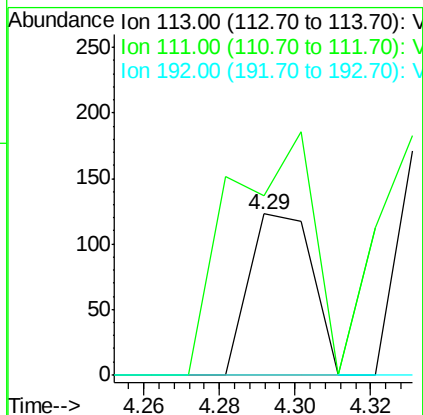
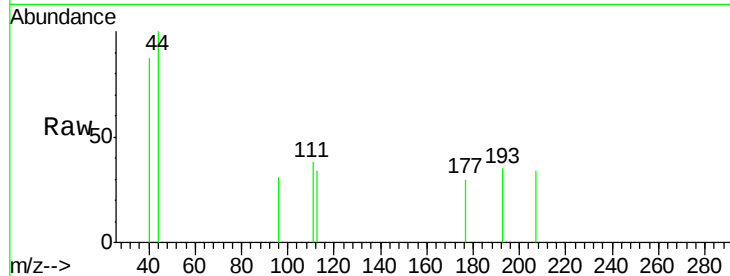
Delta R.T. -0.01 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	111.4	80.3	120.5
192	0.0	13.1	19.7#



#37

Ethyl Acetate

Concen: 20.516 ug/l

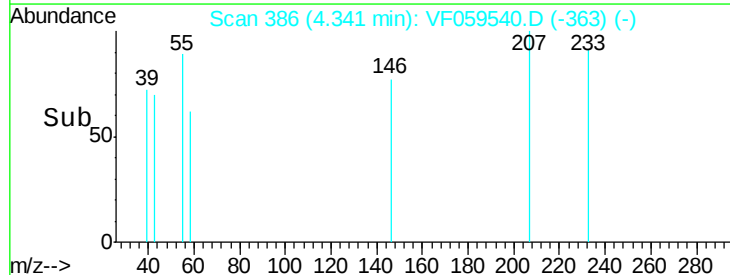
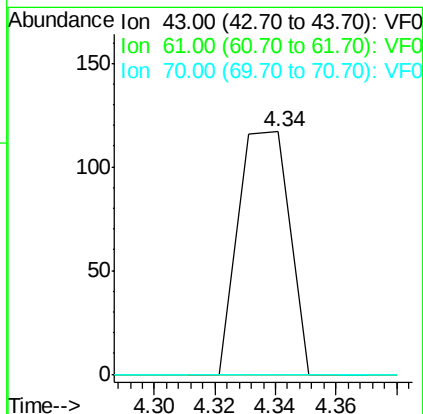
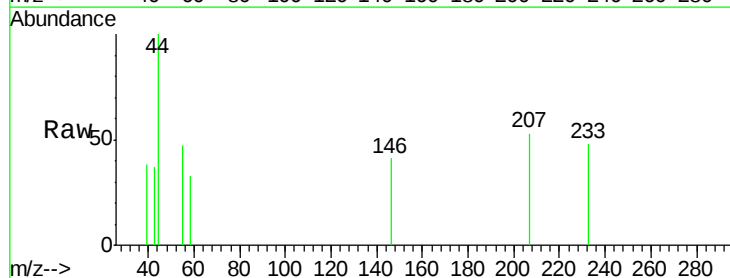
RT: 4.34 min Scan# 386

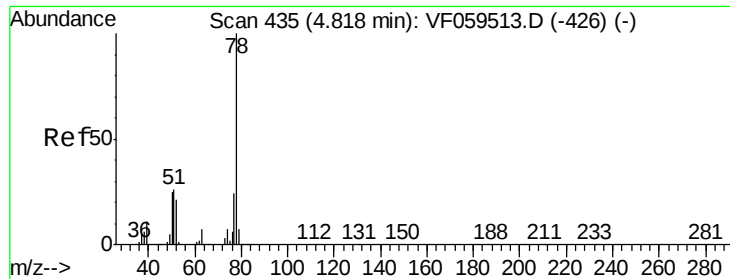
Delta R.T. 0.03 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	33.7	50.5#
70	0.0	7.4	11.0#





#40

Benzene

Concen: 9.713 ug/l

RT: 4.80 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

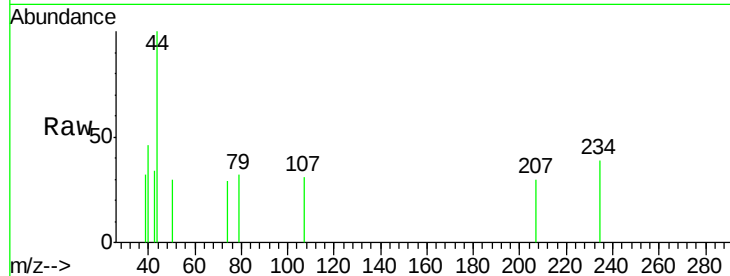
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 78 Resp: 202

Ion Ratio Lower Upper

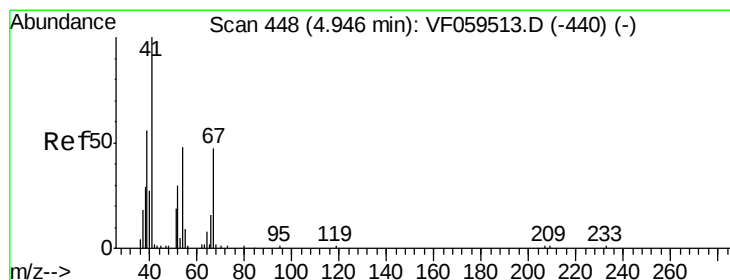
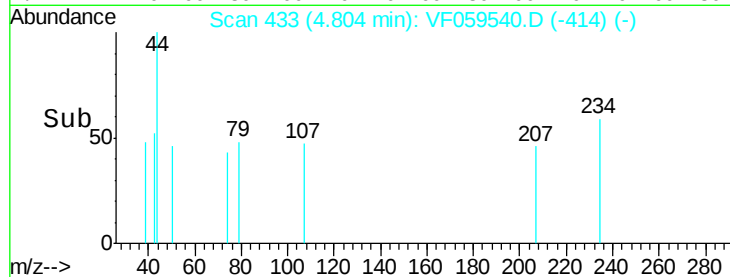
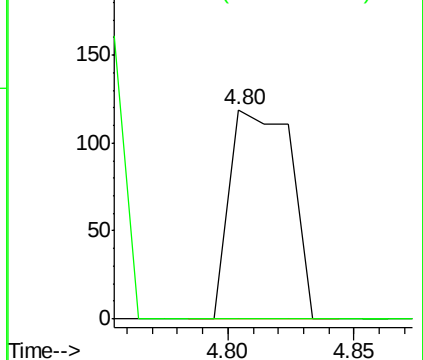
78 100

77 0.0 19.4 29.0#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



#41

Methacrylonitrile

Concen: 41.637 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.02 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

Tgt Ion: 41 Resp: 128

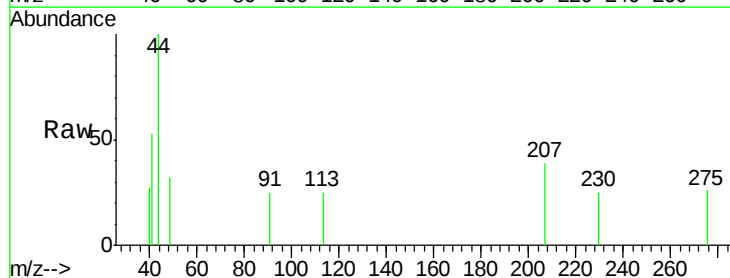
Ion Ratio Lower Upper

41 100

39 0.0 49.4 74.0#

67 0.0 37.4 56.2#

52 0.0 32.1 48.1#

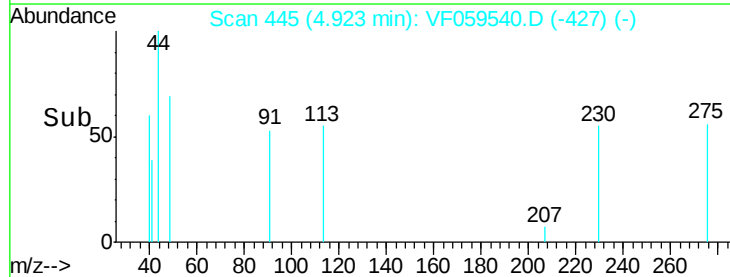
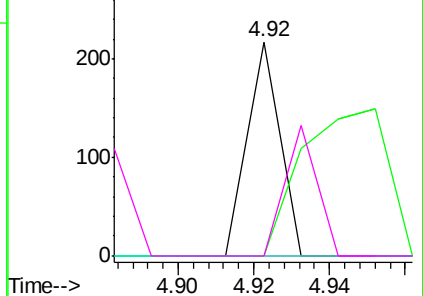


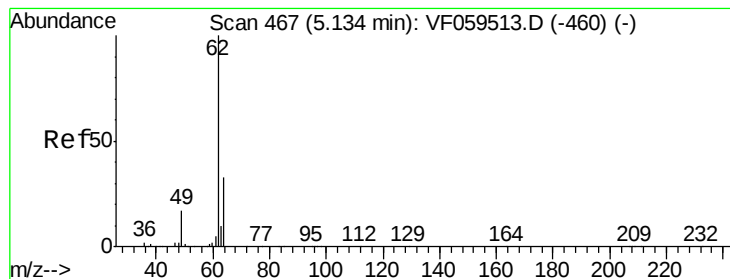
Abundance Ion 41.00 (40.70 to 41.70): VF0

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





#42

1,2-Dichloroethane

Concen: 4.685 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.06 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

Instrument :

MSVOA_F

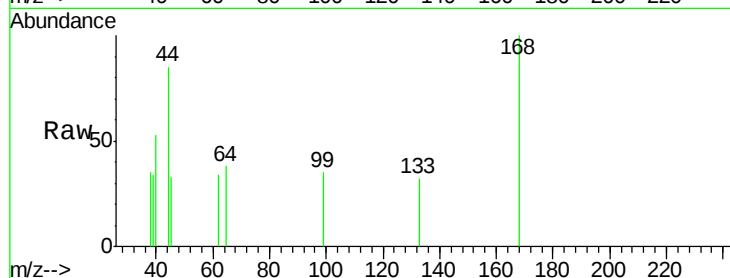
ClientSampled :

Tot Ion: 62 Resp: 64

Ion Ratio Lower Upper

62 100

98 0.0 0.0 9.6

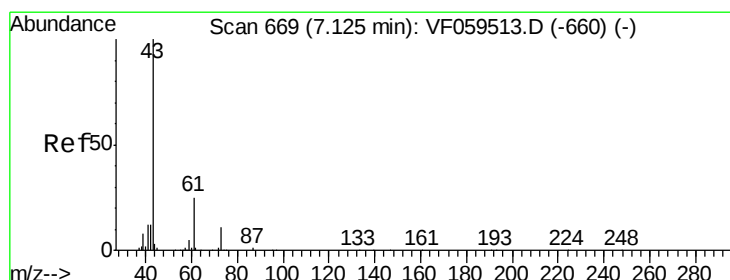
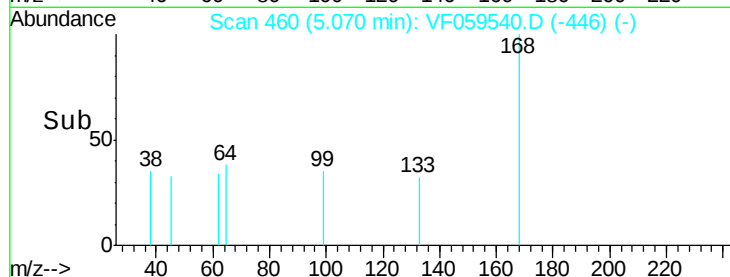


Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

5.07

Time-->



#43

Isopropyl Acetate

Concen: 30.118 ug/l

RT: 7.12 min Scan# 668

Delta R.T. -0.00 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

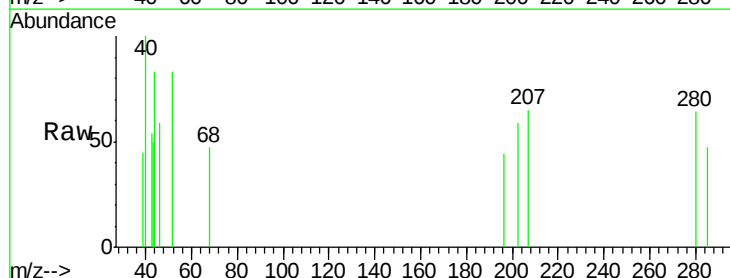
Tgt Ion: 43 Resp: 232

Ion Ratio Lower Upper

43 100

61 0.0 20.3 30.5#

87 0.0 0.4 0.6#



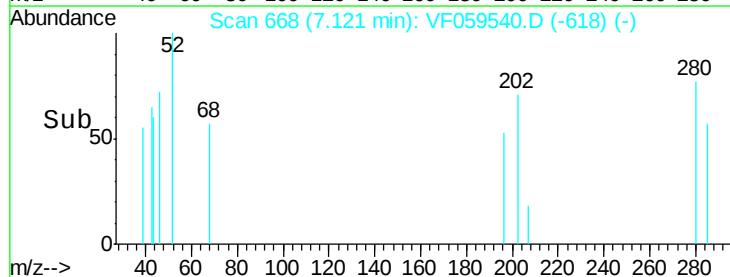
Abundance Ion 43.00 (42.70 to 43.70): VF0

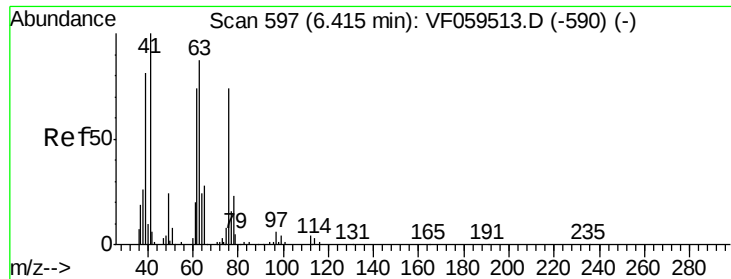
Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

7.12

Time-->





#45

1,2-Dichloropropane

Concen: 13.513 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.14 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

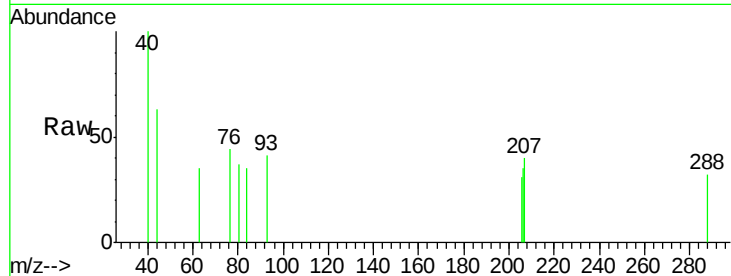
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 63 Resp: 78

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.27

150

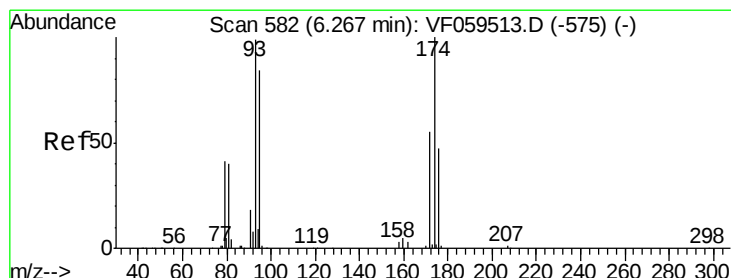
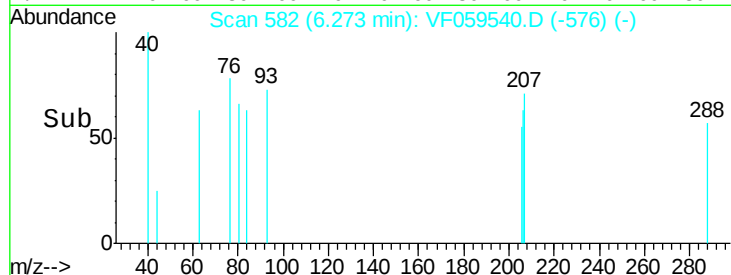
100

50

0

6.24 6.26 6.28 6.30

Time-->



#46

Dibromomethane

Concen: 17.120 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.01 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

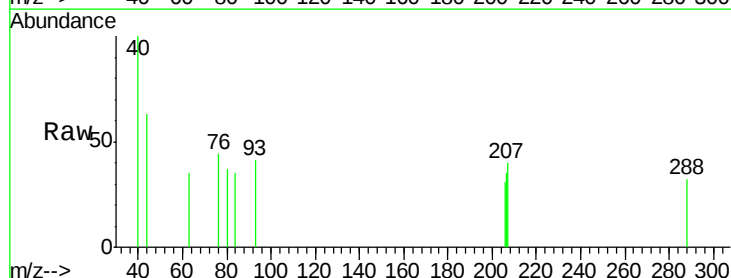
Tgt Ion: 93 Resp: 90

Ion Ratio Lower Upper

93 100

95 0.0 68.3 102.5#

174 0.0 81.2 121.8#



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

200

150

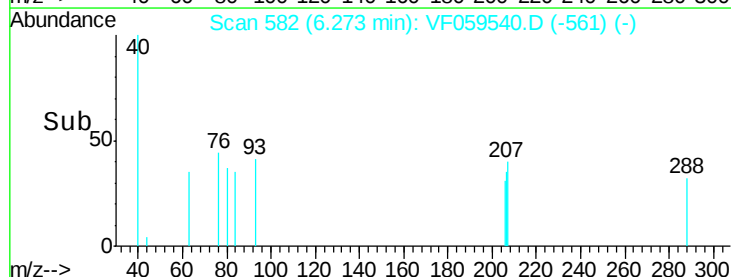
100

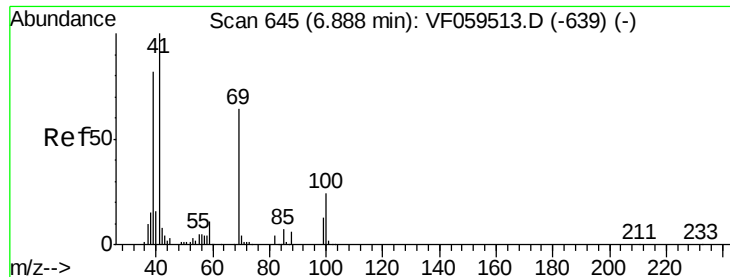
50

0

6.24 6.26 6.28 6.30

Time-->





#48

Methyl methacrylate

Concen: 12.179 ug/l

RT: 6.95 min Scan# 651

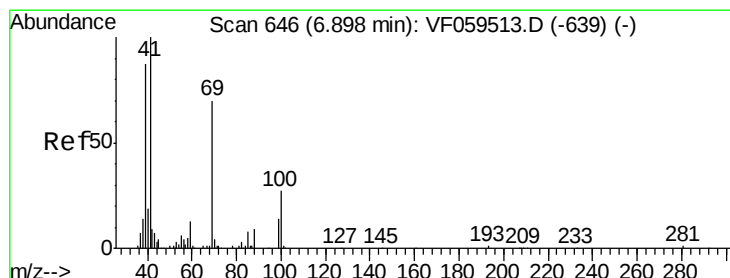
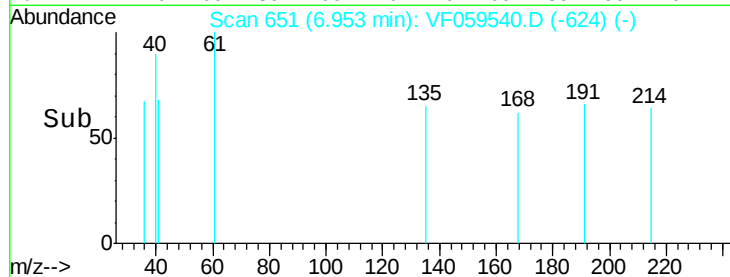
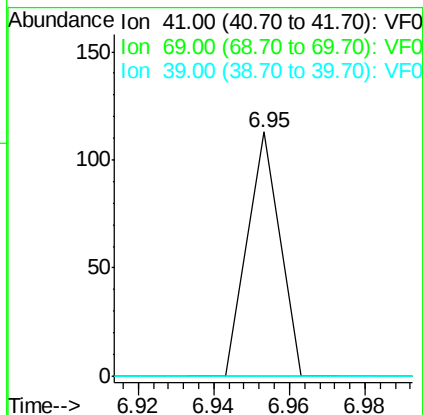
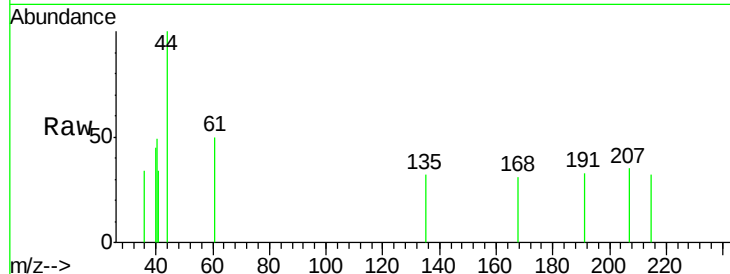
Delta R.T. 0.06 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	41	Resp:	67
Ion	Ratio	Lower	Upper
41	100		
69	0.0	51.3	76.9#
39	131.0	65.3	97.9#



#49

1,4-Dioxane

Concen: Below Cal

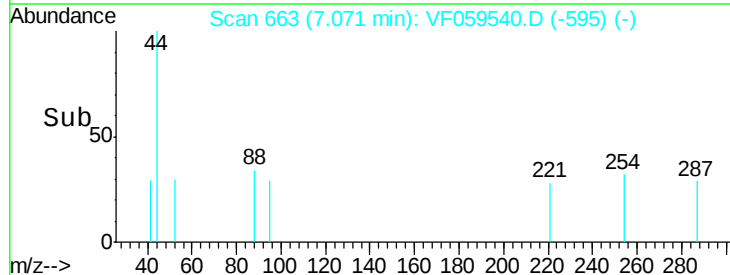
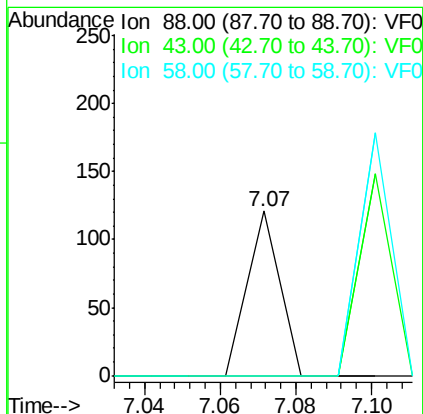
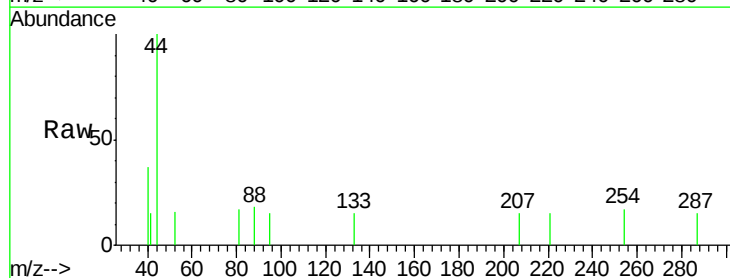
RT: 7.07 min Scan# 663

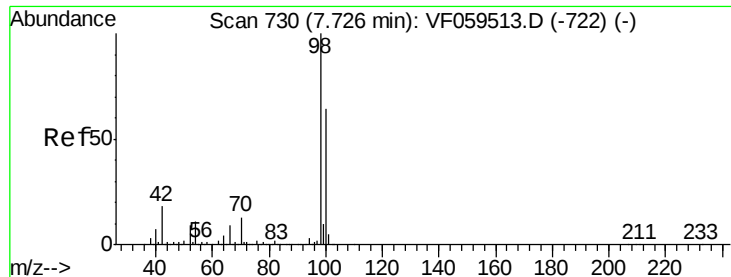
Delta R.T. 0.17 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

Tgt Ion:	88	Resp:	72
Ion	Ratio	Lower	Upper
88	100		
43	0.0	64.8	97.2#
58	0.0	44.1	66.1#

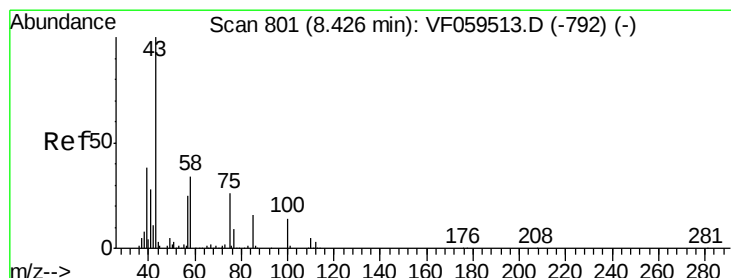
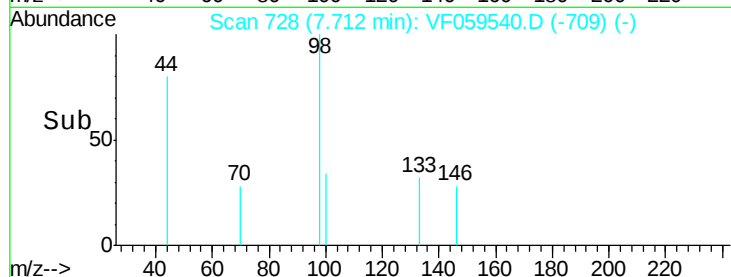
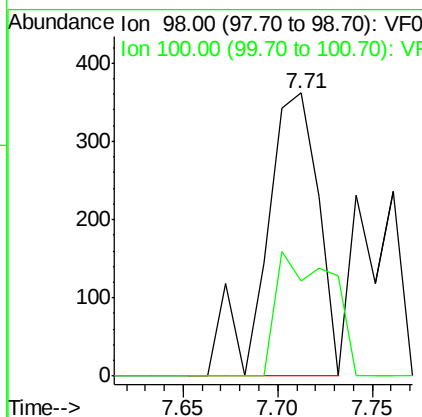
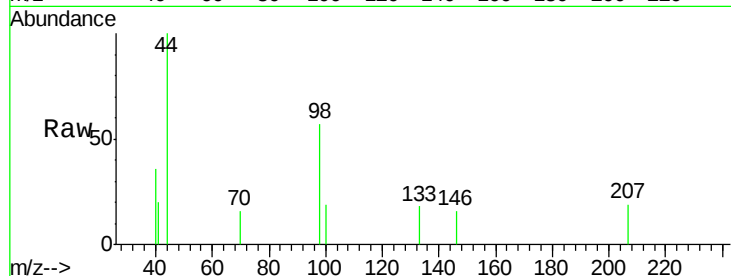




#50
Toluene-d8
Concen: 30.345 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF059540.D
Acq: 19 Jul 2018 4:07

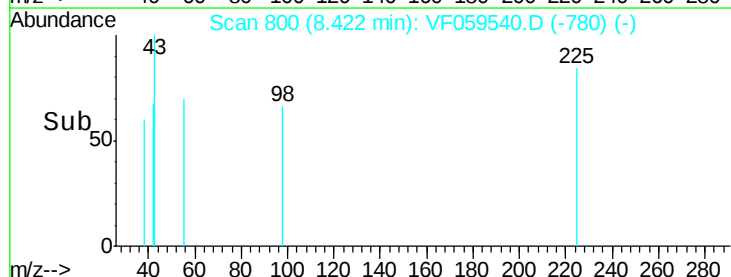
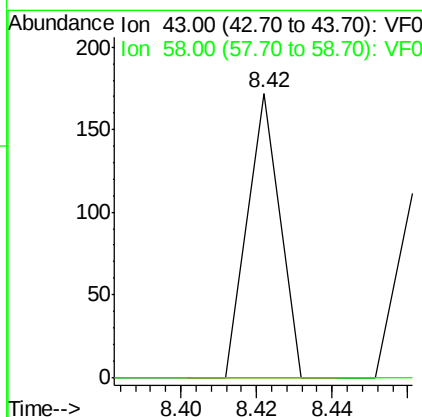
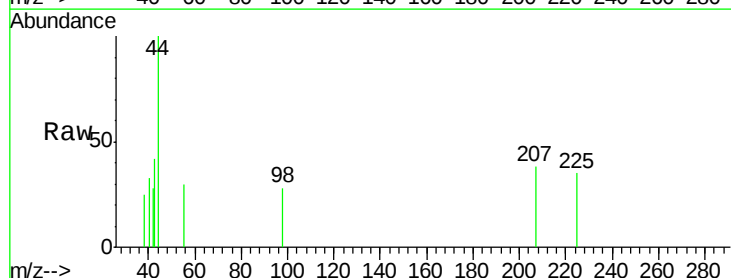
Instrument :
MSVOA_F
ClientSampled :

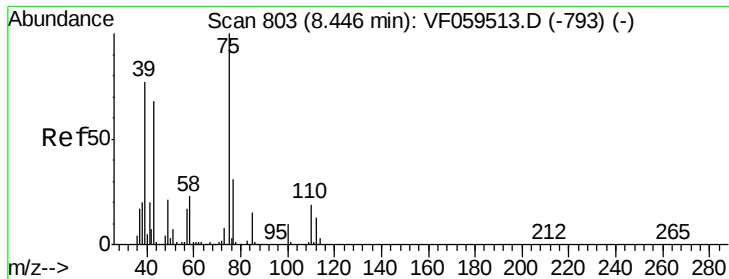
Tot Ion: 98 Resp: 709
Ion Ratio Lower Upper
98 100
100 33.7 50.9 76.3#



#51
4-Methyl-2-Pentanone
Concen: 18.680 ug/l
RT: 8.42 min Scan# 800
Delta R.T. -0.00 min
Lab File: VF059540.D
Acq: 19 Jul 2018 4:07

Tgt Ion: 43 Resp: 102
Ion Ratio Lower Upper
43 100
58 0.0 27.4 41.2#





#53

t-1,3-Dichloropropene

Concen: 5.062 ug/l

RT: 8.36 min Scan# 794

Delta R.T. -0.08 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

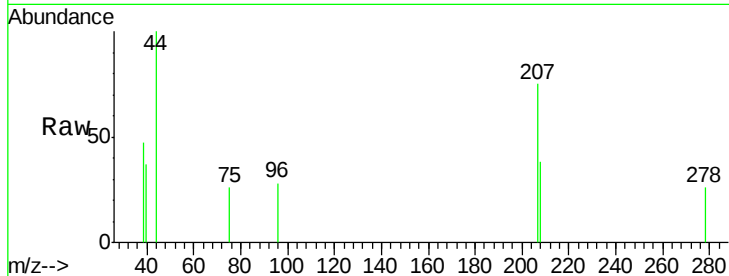
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 63

Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

150

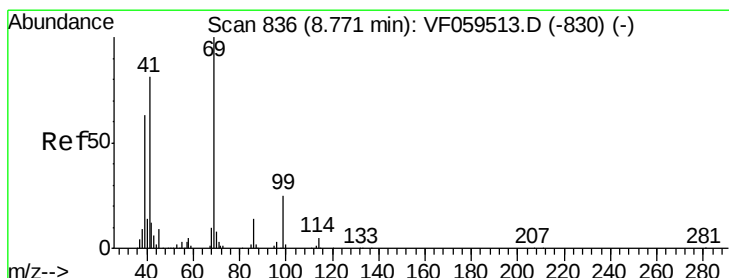
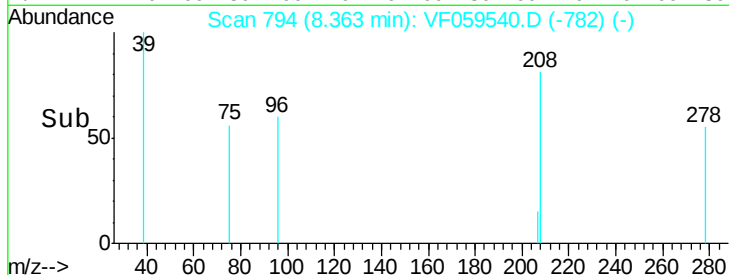
100

50

0

8.34 8.36 8.38

Time-->



#56

Ethyl methacrylate

Concen: 9.107 ug/l

RT: 8.80 min Scan# 838

Delta R.T. 0.03 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

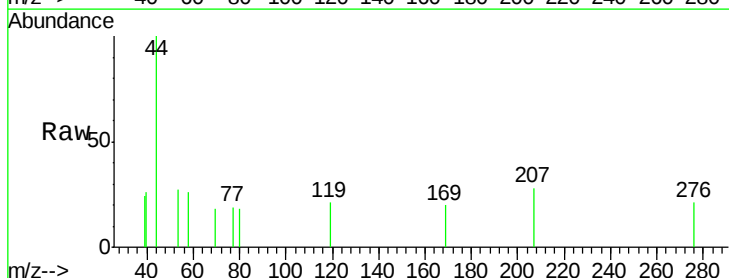
Tgt Ion: 69 Resp: 66

Ion Ratio Lower Upper

69 100

41 0.0 65.4 98.2#

39 127.7 51.0 76.4#



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

200

150

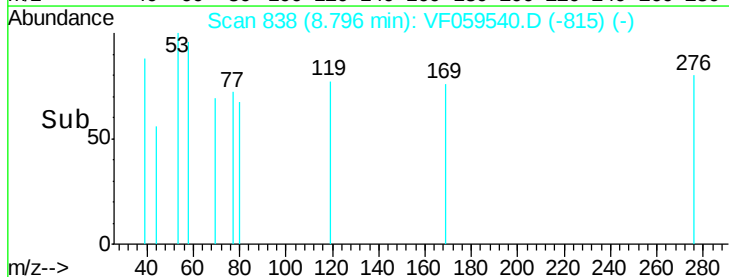
100

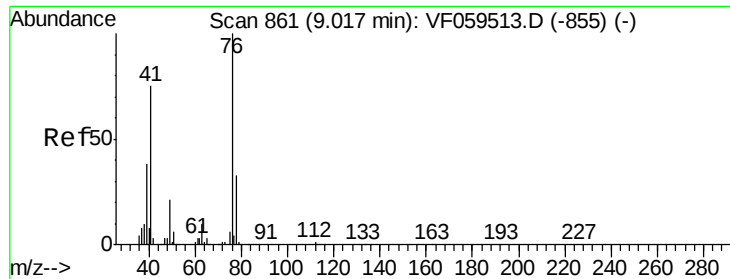
50

0

8.76 8.78 8.80 8.82

Time-->





#57

1,3-Dichloropropane

Concen: 8.032 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.11 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

Instrument :

MSVOA_F

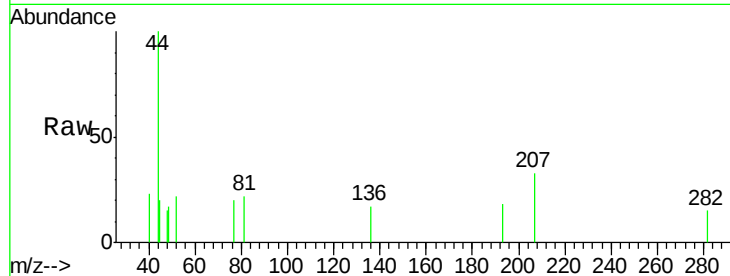
ClientSampleId :

Tot Ion: 76 Resp: 83

Ion Ratio Lower Upper

76 100

78 0.0 26.4 39.6#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

9.13

150

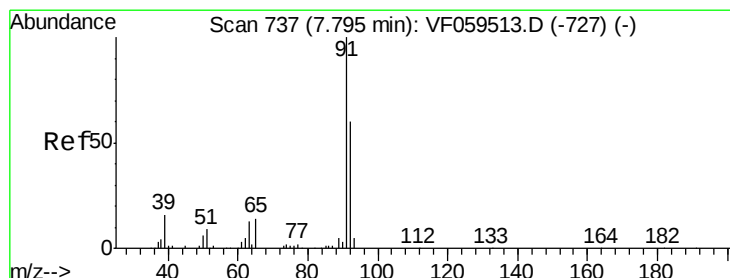
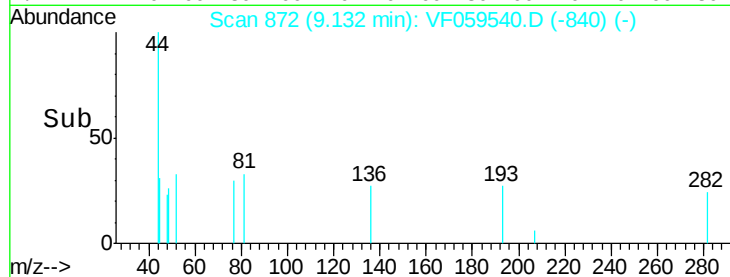
100

50

0

9.10 9.12 9.14 9.16

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 123.467 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.07 min

Lab File: VF059540.D

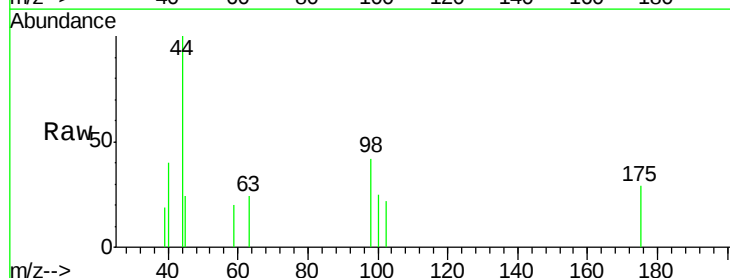
Acq: 19 Jul 2018 4:07

Tgt Ion: 63 Resp: 79

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.72

150

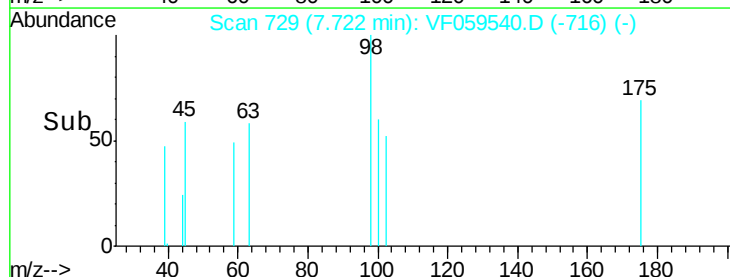
100

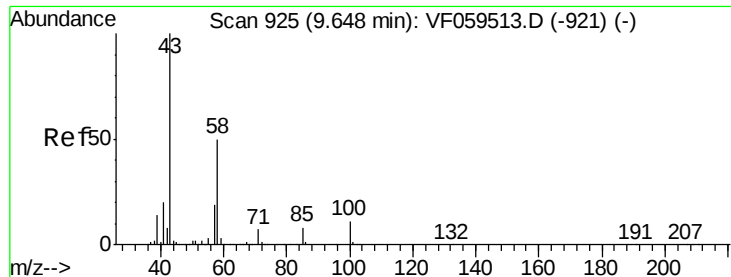
50

0

7.70 7.72 7.74

Time-->

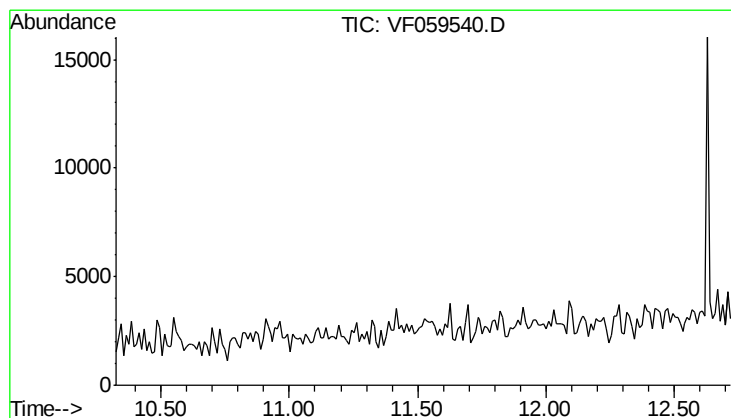
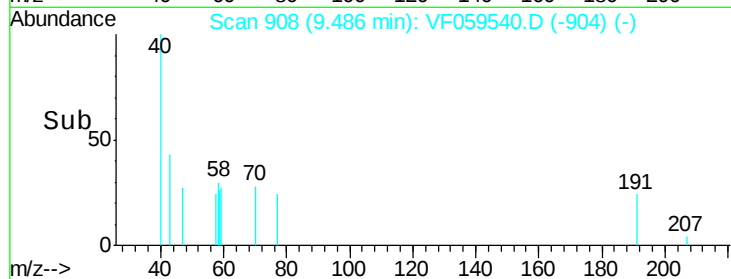
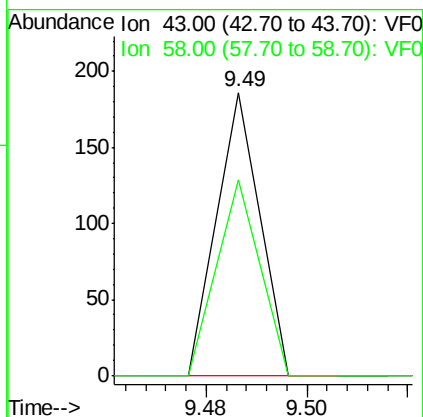
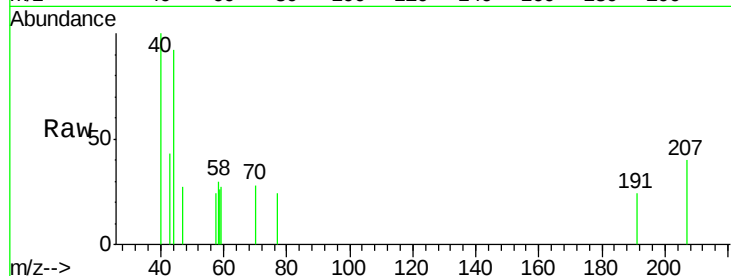




#59
2-Hexanone
Concen: 26.656 ug/l
RT: 9.49 min Scan# 908
Delta R.T. -0.16 min
Lab File: VF059540.D
Acq: 19 Jul 2018 4:07

Instrument :
MSVOA_F
ClientSampleId :

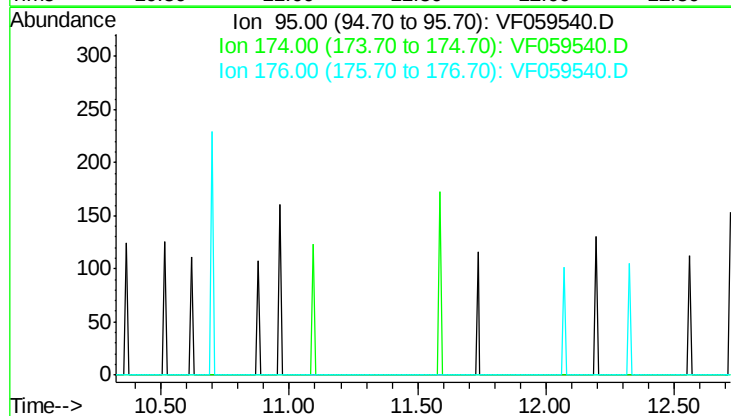
Tot Ion: 43 Resp: 110
Ion Ratio Lower Upper
43 100
58 69.4 23.3 69.9

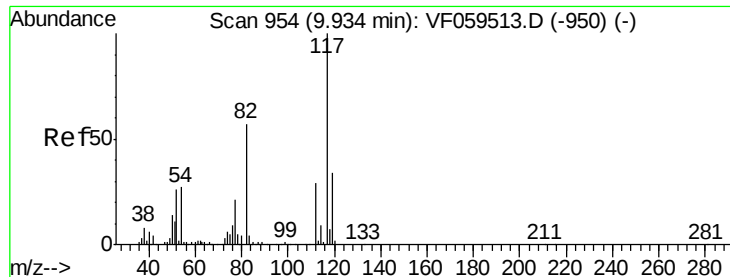


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.52 min

Lab File: VF059540.D
Acq: 19 Jul 2018 4:07

Tgt Ion: 95
Sig Exp Ratio
95 100
174 87.2
176 84.7

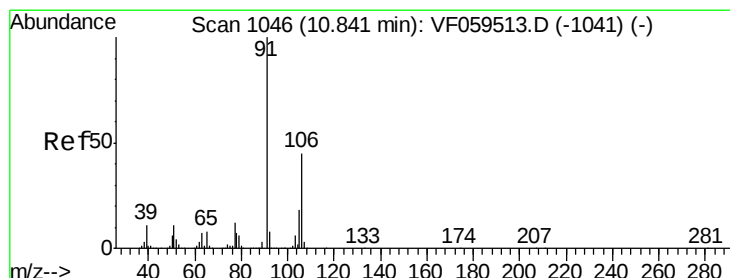
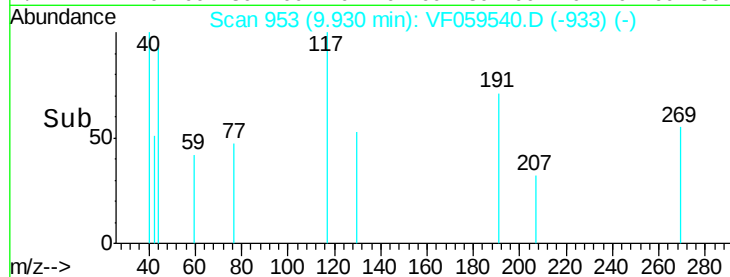
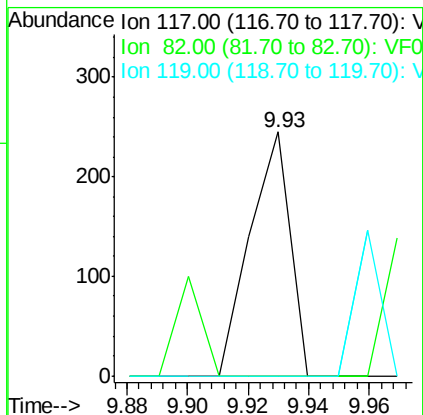
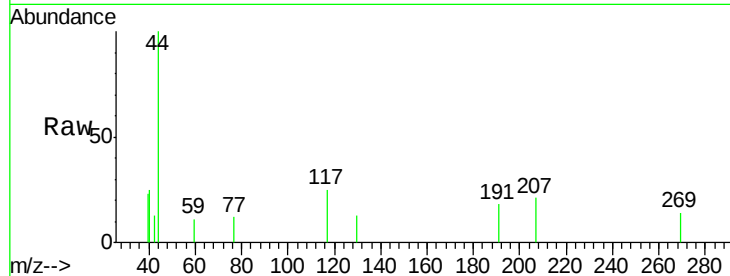




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF059540.D
Acq: 19 Jul 2018 4:07

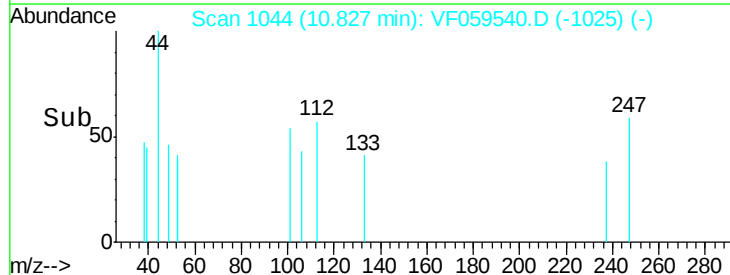
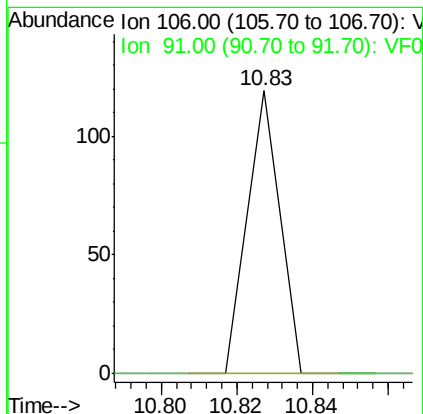
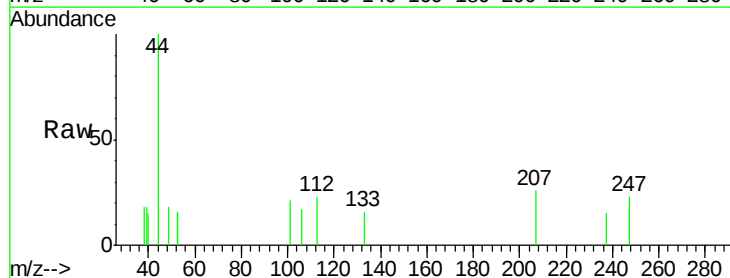
Instrument :
MSVOA_F
ClientSampleId :

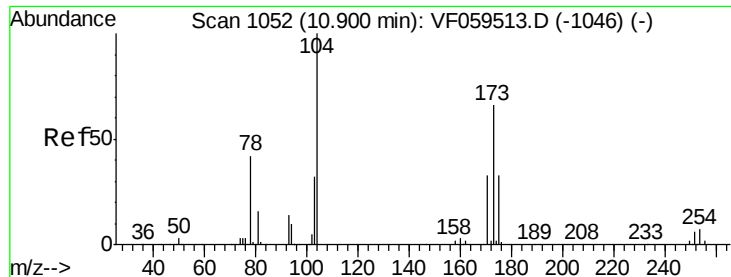
Tot Ion:117 Resp: 228
Ion Ratio Lower Upper
117 100
82 0.0 46.1 69.1#
119 0.0 27.2 40.8#



#69
o-Xylene
Concen: 24.471 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059540.D
Acq: 19 Jul 2018 4:07

Tgt Ion:106 Resp: 70
Ion Ratio Lower Upper
106 100
91 0.0 112.3 336.9#





#71

Bromoform

Concen: 53.221 ug/l

RT: 10.97 min Scan# 1059

Delta R.T. 0.07 min

Lab File: VF059540.D

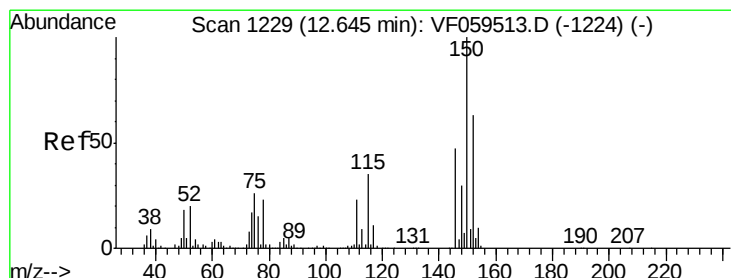
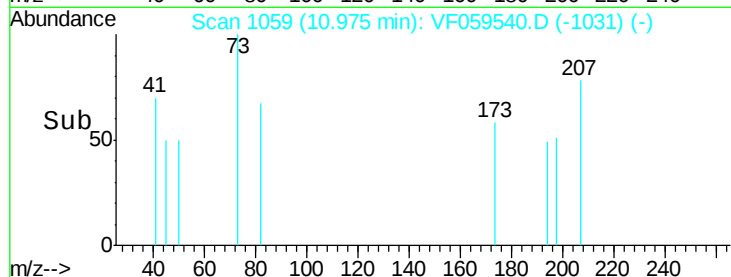
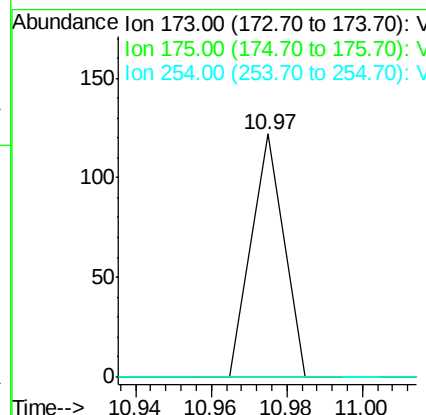
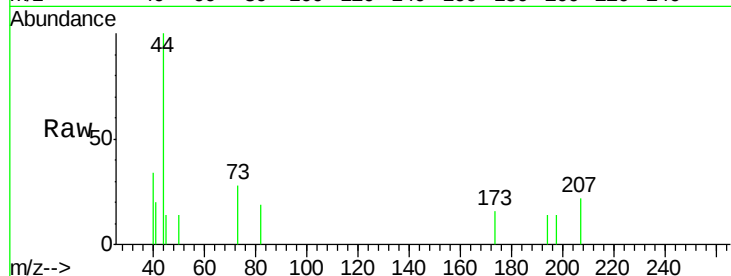
Acq: 19 Jul 2018 4:07

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion	Ratio	Lower	Upper
173	100		
175	0.0	25.3	75.8#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

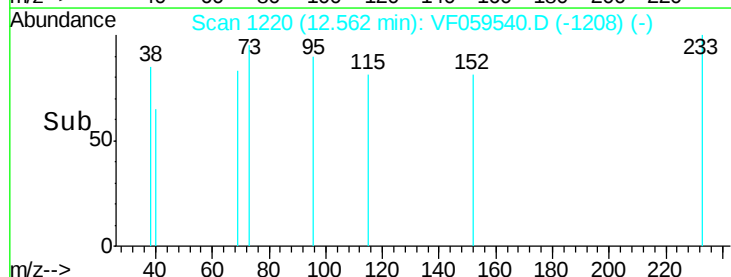
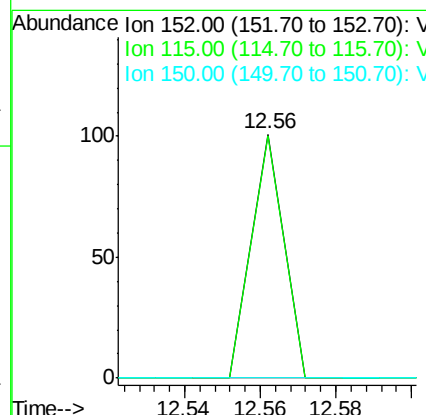
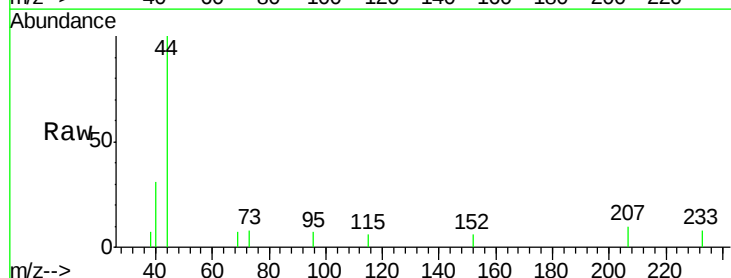
RT: 12.56 min Scan# 1220

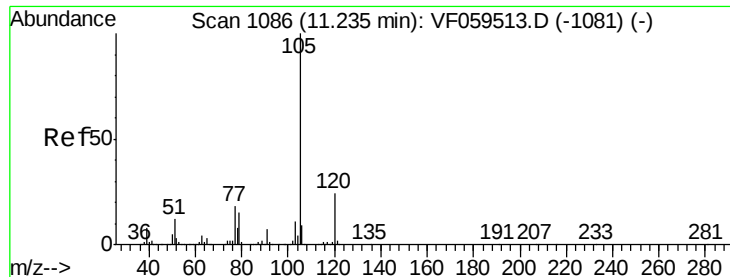
Delta R.T. -0.08 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	99.0	27.8	83.3#
150	0.0	0.0	318.4





#73

Isopropylbenzene

Concen: 17.696 ug/l

RT: 11.25 min Scan# 1087

Delta R.T. 0.02 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

Instrument :

MSVOA_F

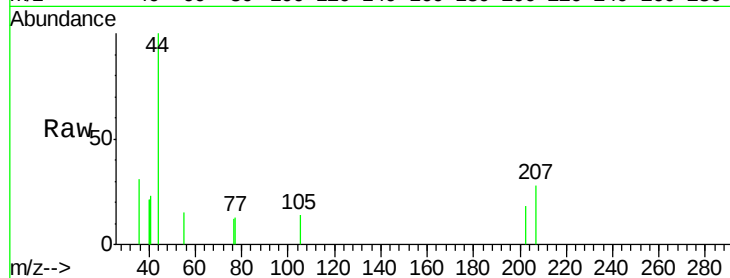
ClientSampled :

Tot Ion: 105 Resp: 67

Ion Ratio Lower Upper

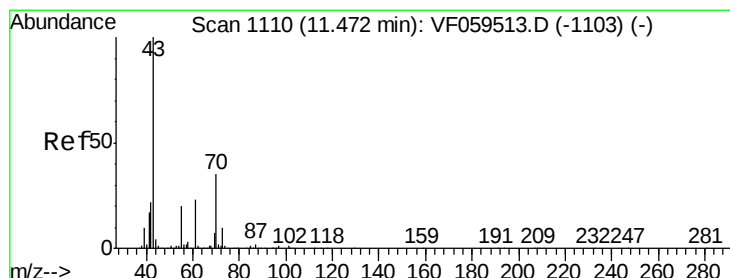
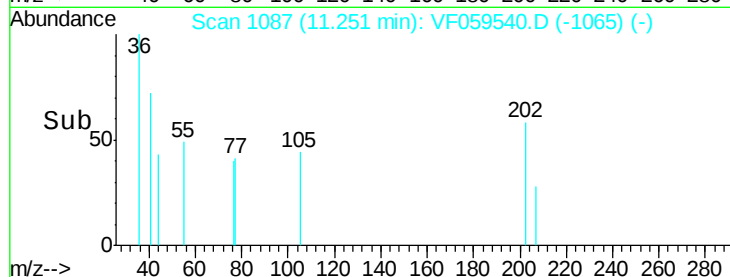
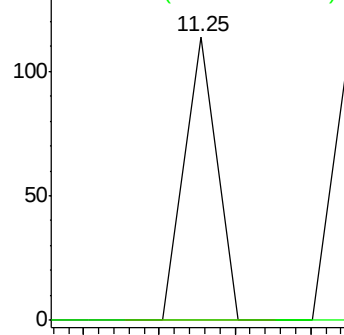
105 100

120 0.0 12.0 36.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.131 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

Tgt Ion: 43 Resp: 62

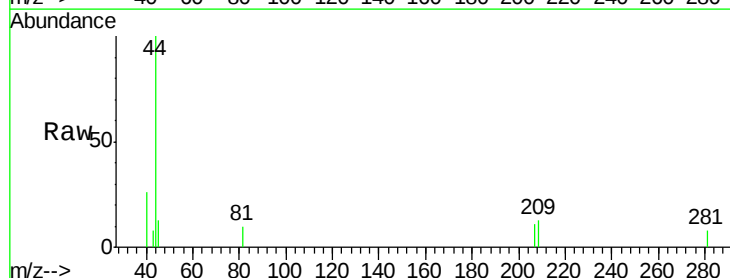
Ion Ratio Lower Upper

43 100

70 0.0 27.9 41.9#

55 0.0 16.2 24.2#

61 0.0 18.6 27.8#

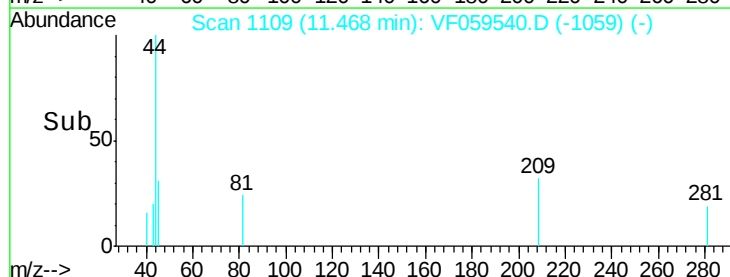
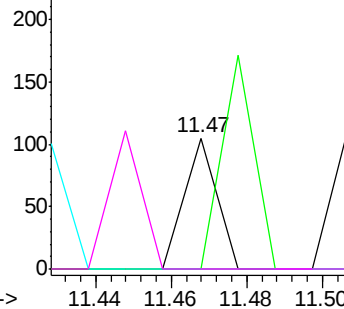


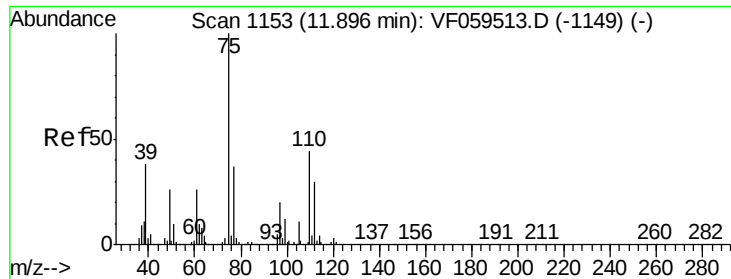
Abundance Ion 43.00 (42.70 to 43.70): VF0

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

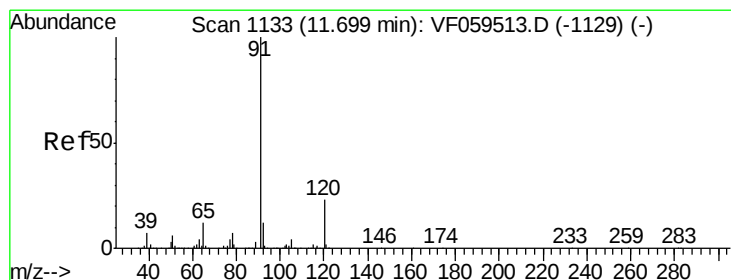
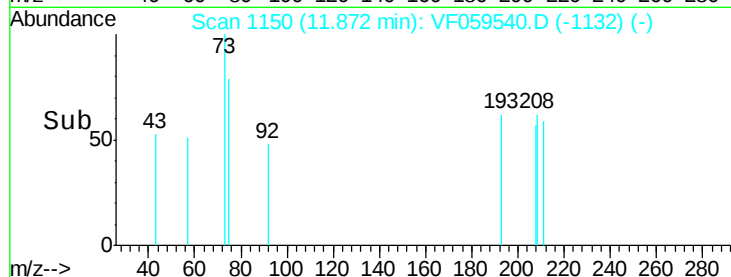
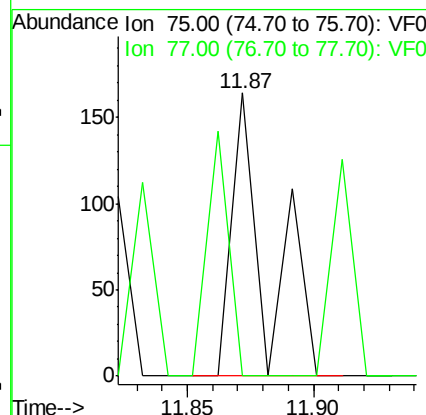
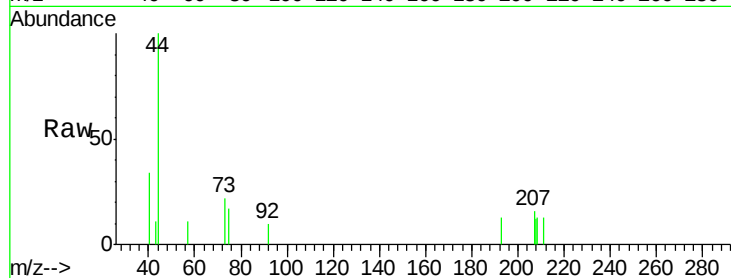




#76
 1,2,3-Trichloropropane
 Concen: 238.753 ug/l
 RT: 11.87 min Scan# 1150
 Delta R.T. -0.02 min
 Lab File: VF059540.D
 Acq: 19 Jul 2018 4:07

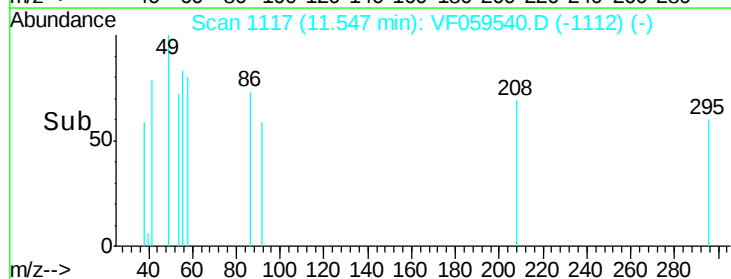
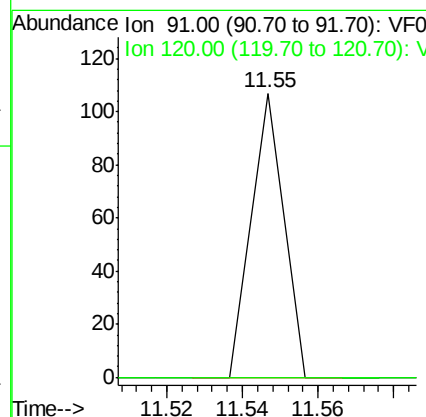
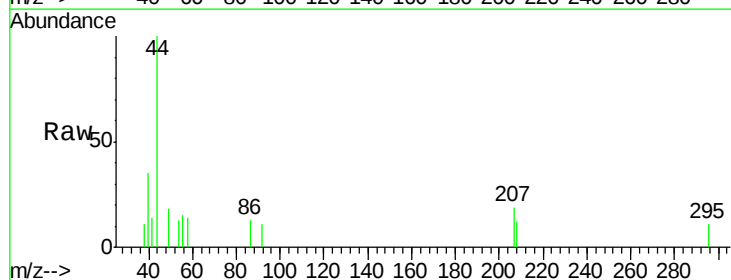
Instrument :
 MSVOA_F
 ClientSampled :

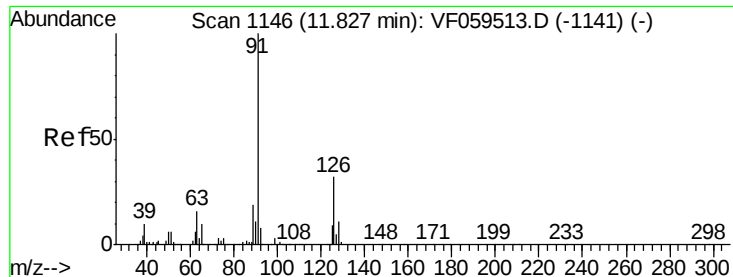
Tot Ion: 75 Resp: 161
 Ion Ratio Lower Upper
 75 100
 77 0.0 18.7 56.1#



#78
 n-propylbenzene
 Concen: 14.506 ug/l
 RT: 11.55 min Scan# 1117
 Delta R.T. -0.15 min
 Lab File: VF059540.D
 Acq: 19 Jul 2018 4:07

Tgt Ion: 91 Resp: 63
 Ion Ratio Lower Upper
 91 100
 120 0.0 11.3 33.9#





#79

2-Chlorotoluene

Concen: 28.784 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.07 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

Instrument :

MSVOA_F

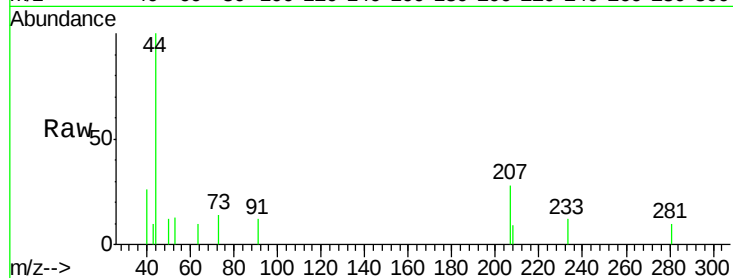
ClientSampled :

Tot Ion: 91 Resp: 77

Ion Ratio Lower Upper

91 100

126 0.0 15.7 47.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

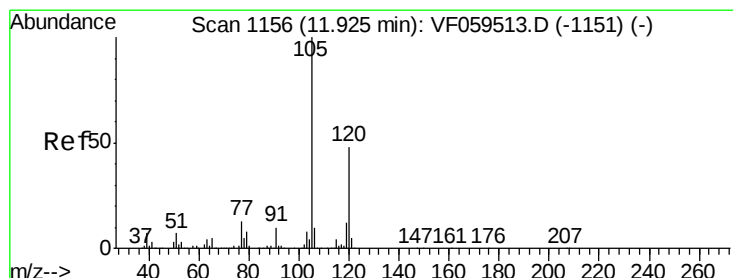
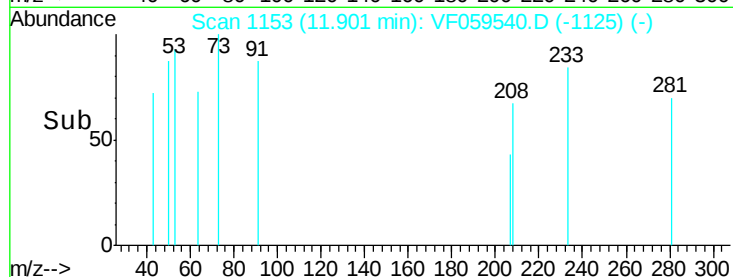
11.90

100

50

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.119 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. 0.07 min

Lab File: VF059540.D

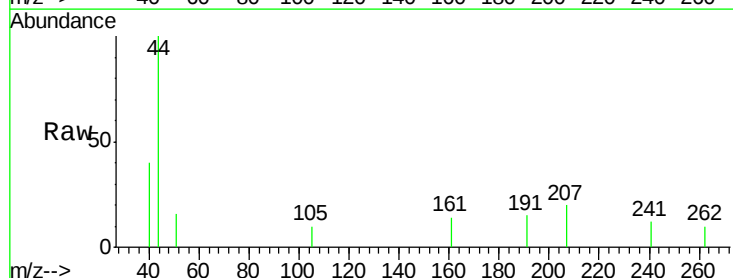
Acq: 19 Jul 2018 4:07

Tgt Ion:105 Resp: 67

Ion Ratio Lower Upper

105 100

120 0.0 24.1 72.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

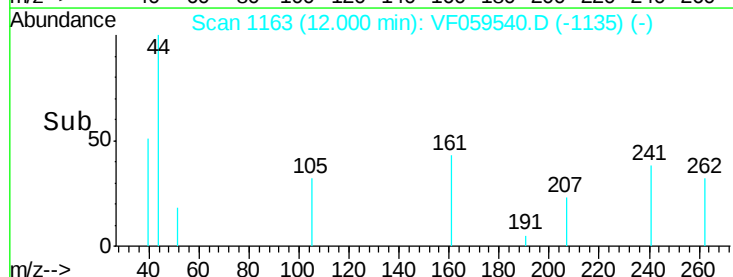
12.00

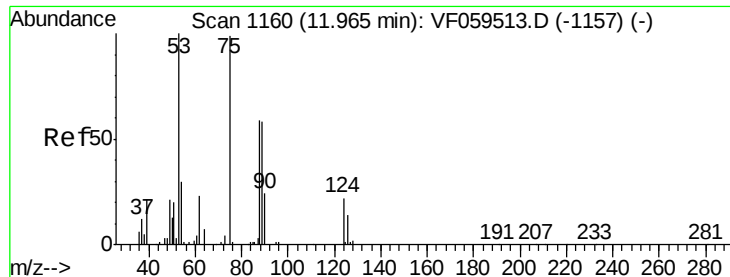
100

50

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 512.919 ug/l

RT: 12.02 min Scan# 1165

Delta R.T. 0.05 min

Lab File: VF059540.D

Acq: 19 Jul 2018 4:07

Instrument :

MSVOA_F

ClientSampleId :

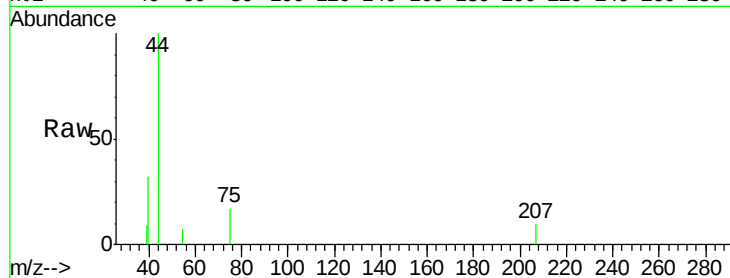
Tot Ion: 75 Resp: 158

Ion Ratio Lower Upper

75 100

53 0.0 84.6 127.0#

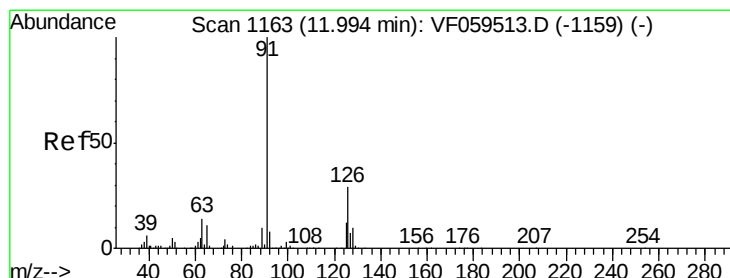
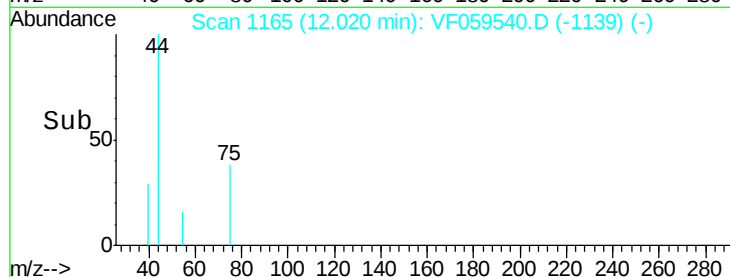
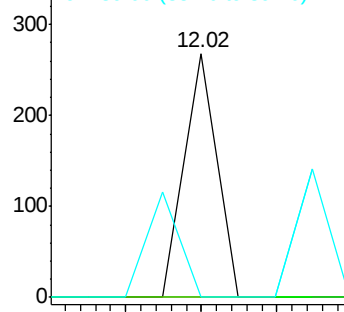
89 0.0 48.2 72.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 25.689 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.09 min

Lab File: VF059540.D

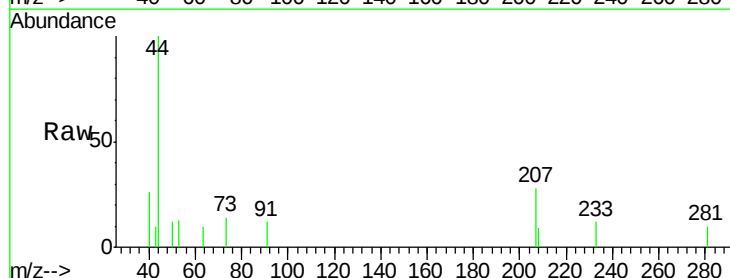
Acq: 19 Jul 2018 4:07

Tgt Ion: 91 Resp: 77

Ion Ratio Lower Upper

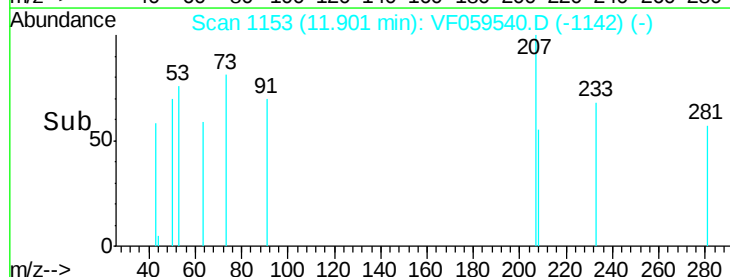
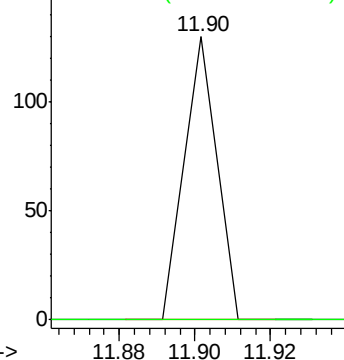
91 100

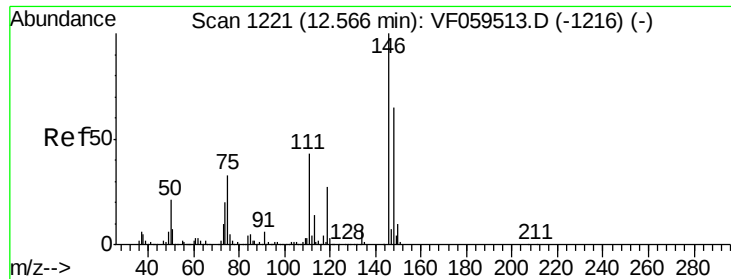
126 0.0 14.4 43.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

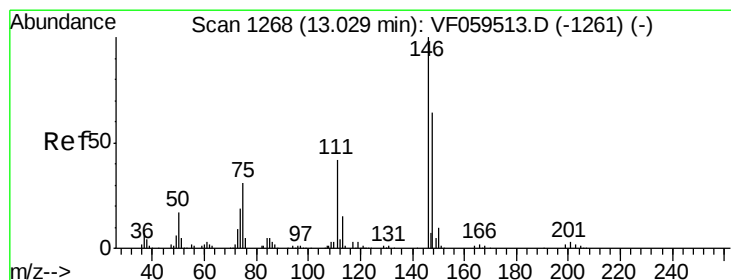
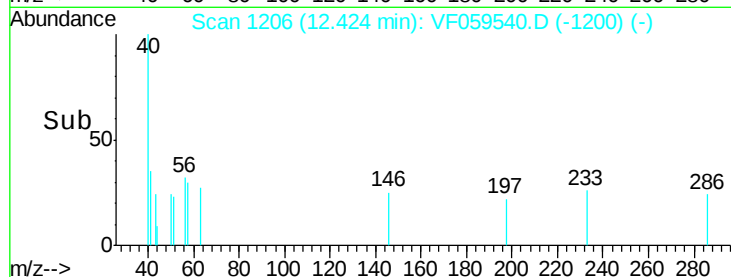
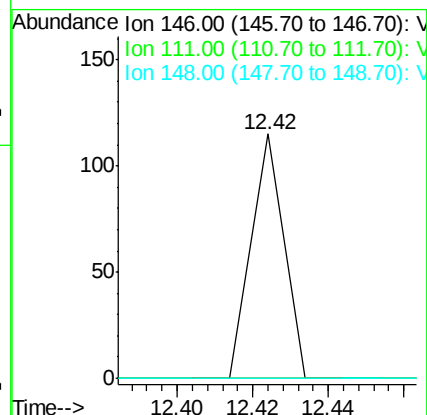
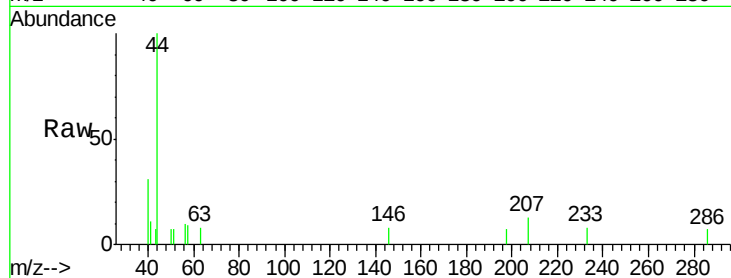




#87
 1,3-Dichlorobenzene
 Concen: 37.351 ug/l
 RT: 12.42 min Scan# 1206
 Delta R.T. -0.14 min
 Lab File: VF059540.D
 Acq: 19 Jul 2018 4:07

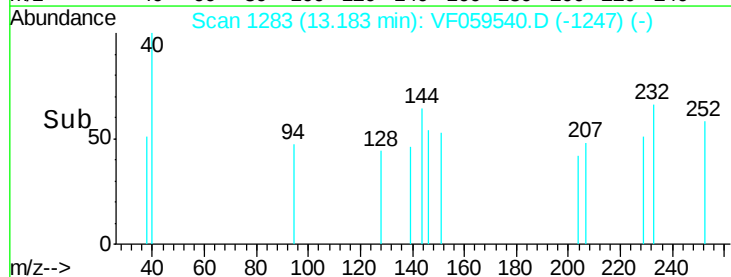
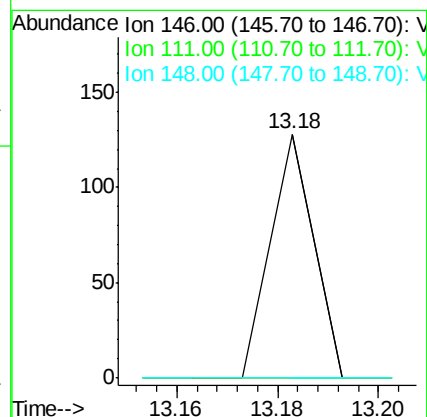
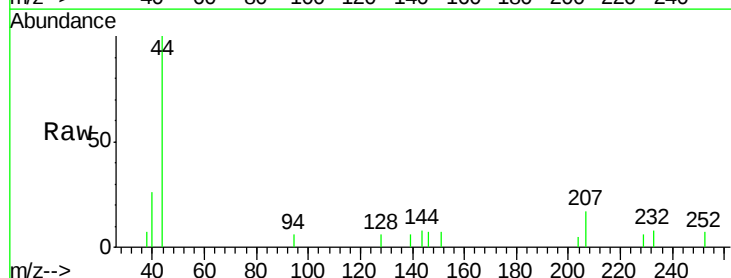
Instrument :
 MSVOA_F
 ClientSampleId :

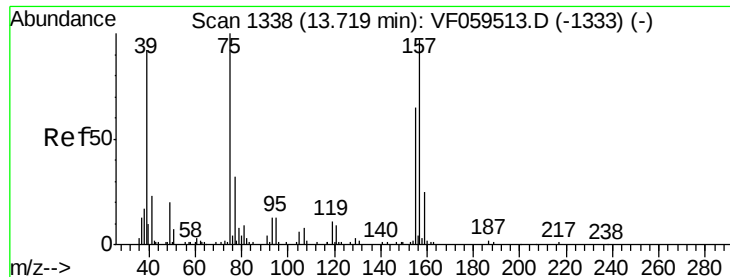
Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.4	64.3#
148	0.0	32.7	98.1#



#91
 1,2-Dichlorobenzene
 Concen: 43.647 ug/l
 RT: 13.18 min Scan# 1283
 Delta R.T. 0.15 min
 Lab File: VF059540.D
 Acq: 19 Jul 2018 4:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.1	63.1#
148	0.0	32.3	96.8#

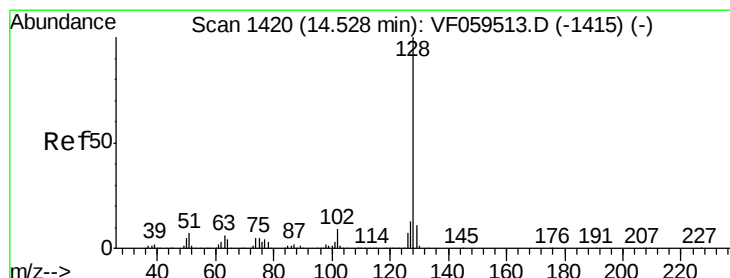
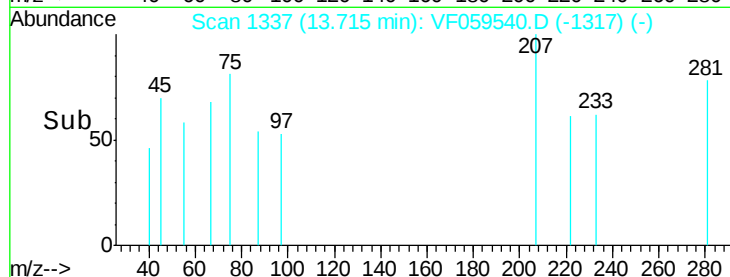
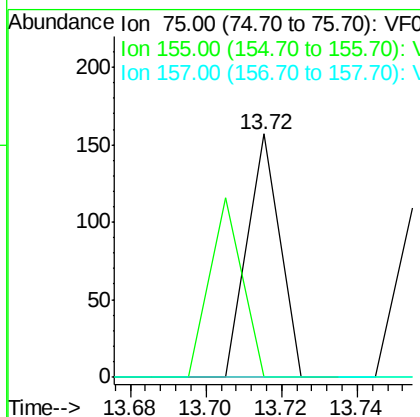
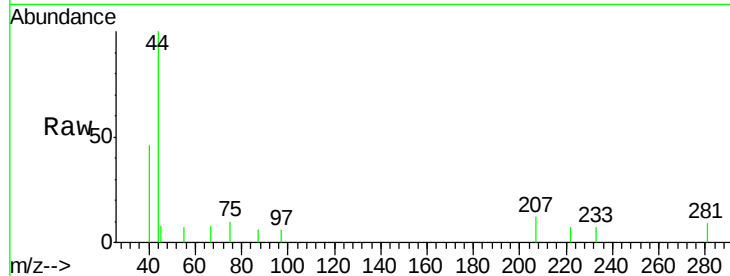




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 497.106 ug/l
 RT: 13.72 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VF059540.D
 Acq: 19 Jul 2018 4:07

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 75 Resp: 93
 Ion Ratio Lower Upper
 75 100
 155 0.0 32.8 98.3#
 157 0.0 48.5 145.5#



#95
 Naphthalene
 Concen: 29.573 ug/l
 RT: 14.52 min Scan# 1419
 Delta R.T. -0.00 min
 Lab File: VF059540.D
 Acq: 19 Jul 2018 4:07

Tgt Ion: 128 Resp: 65
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.2#
 129 0.0 9.0 13.4#

