

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059575.D
 Acq On : 20 Jul 2018 00:35
 Operator : VA/AP
 Sample : J4057-05
 Misc : 6.21g/5mL/MSVOA F/SOIL
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 20 07:09:34 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	5.07	168	89	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.46	114	102	50.00	ug/l	-0.33
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.93
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.64

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount	50.000					
			Recovery	=	0.00%	
35) Dibromofluoromethane	3.97	113	70	79.24	ug/l	-0.33
Spiked Amount	50.000					
			Recovery	=	158.48%	
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount	50.000					
			Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000					
			Recovery	=	0.00%	

Target Compounds

						Qvalue
3) Chloromethane	1.09	50	108	180.002	ug/l #	44
4) Vinyl Chloride	1.26	62	68	112.325	ug/l #	43
5) Bromomethane	1.26	94	96	228.813	ug/l #	3
6) Chloroethane	1.56	64	85	278.447	ug/l #	46
8) Diethyl Ether	1.64	74	80	280.594	ug/l	69
10) Methyl Iodide	2.14	142	60	54.777	ug/l #	23
11) Tert butyl alcohol	2.75	59	92	1653.595	ug/l #	74
12) 1,1-Dichloroethene	1.82	96	131	196.871	ug/l #	1
13) Acrolein	2.13	56	62	3123.394	ug/l #	12
14) Allyl chloride	2.18	41	76	91.521	ug/l #	72
15) Acrylonitrile	3.05	53	73	628.596	ug/l #	13
16) Acetone	2.33	43	161	844.271	ug/l #	64
17) Carbon Disulfide	1.88	76	63	36.947	ug/l #	74
18) Methyl Acetate	2.37	43	109	271.178	ug/l #	67
19) Methyl tert-butyl Ether	2.44	73	71	34.013	ug/l #	59
20) Methylene Chloride	2.22	84	74	125.412	ug/l #	3
22) Diisopropyl ether	2.91	45	64	27.423	ug/l #	38
23) Vinyl Acetate	3.39	43	86	63.060	ug/l #	84
24) 1,1-Dichloroethane	2.96	63	197	136.685	ug/l #	91
25) 2-Butanone	4.62	43	61	189.817	ug/l #	60
26) 2,2-Dichloropropane	3.76	77	88	92.290	ug/l #	62
27) cis-1,2-Dichloroethene	3.74	96	77	107.538	ug/l	1
28) Bromochloromethane	4.03	49	60	94.576	ug/l #	6
29) Tetrahydrofuran	4.32	42	62	495.056	ug/l #	38
30) Chloroform	3.95	83	64	30.739	ug/l #	17
31) Cyclohexane	3.75	56	72	96.445	ug/l #	15
37) Ethyl Acetate	4.10	43	141	283.168	ug/l #	41
40) Benzene	4.47	78	82	41.400	ug/l #	51
41) Methacrylonitrile	4.66	41	88	300.566	ug/l #	27
42) 1,2-Dichloroethane	4.87	62	66	50.730	ug/l	85
43) Isopropyl Acetate	6.74	43	67	91.327	ug/l #	51
44) Trichloroethene	5.22	130	63	85.930	ug/l	1
45) 1,2-Dichloropropane	5.96	63	72	130.968	ug/l #	42
46) Dibromomethane	6.00	93	72	143.812	ug/l #	3

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 Response via : Initial Calibration

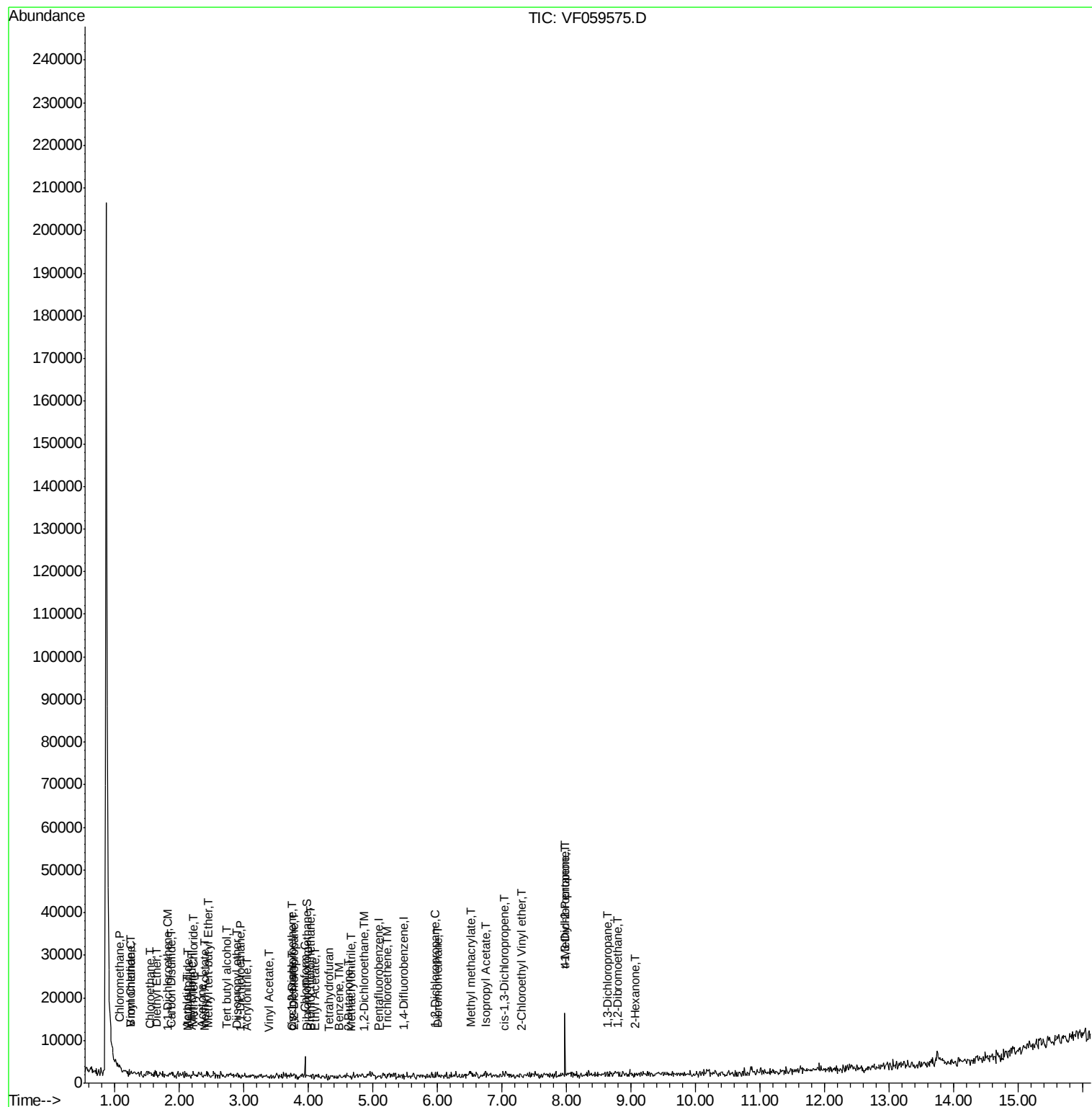
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) Methyl methacrylate	6.51	41	109	208.035	uq/l #	13
49) 1,4-Dioxane	6.80	88	70	Below Cal	#	15
51) 4-Methyl-2-Pentanone	7.97	43	125	240.369	uq/l #	40
53) t-1,3-Dichloropropene	7.97	75	65	54.833	uq/l #	1
54) cis-1,3-Dichloropropene	7.04	75	73	61.847	uq/l #	19
57) 1,3-Dichloropropane	8.63	76	83	84.335	uq/l #	42
58) 2-Chloroethyl Vinyl ether	7.31	63	73	1197.939	uq/l	100
59) 2-Hexanone	9.07	43	66	167.930	uq/l #	30
61) 1,2-Dibromoethane	8.78	107	79	114.391	uq/l #	2

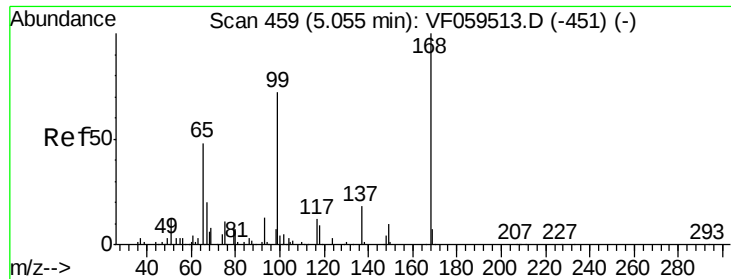
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 461

Delta R.T. 0.02 min

Lab File: VF059575.D

Acq: 20 Jul 2018 00:35

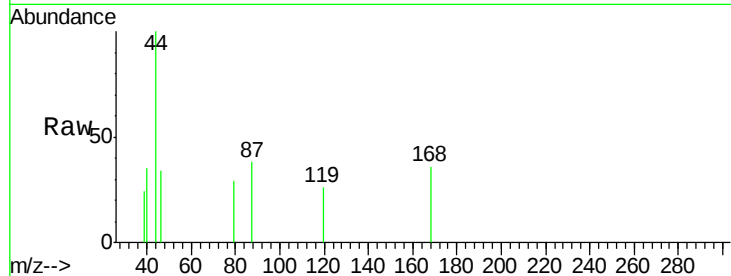
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 89

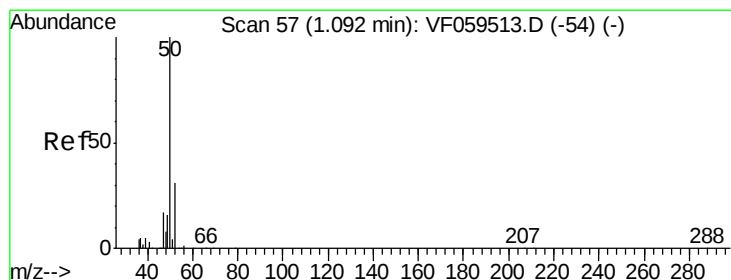
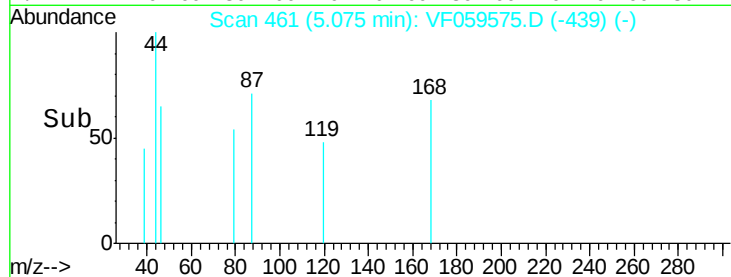
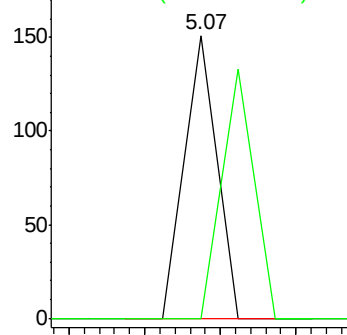
Ion Ratio Lower Upper

168 100

99 0.0 57.6 86.4#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: 180.002 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059575.D

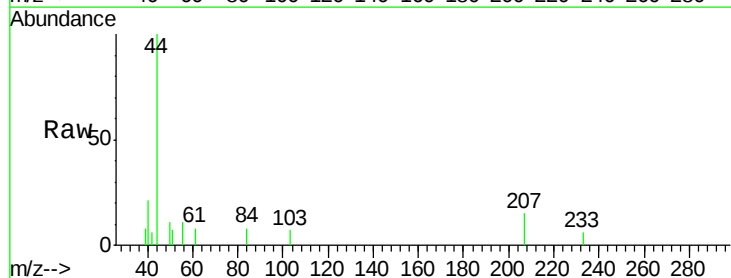
Acq: 20 Jul 2018 00:35

Tgt Ion: 50 Resp: 108

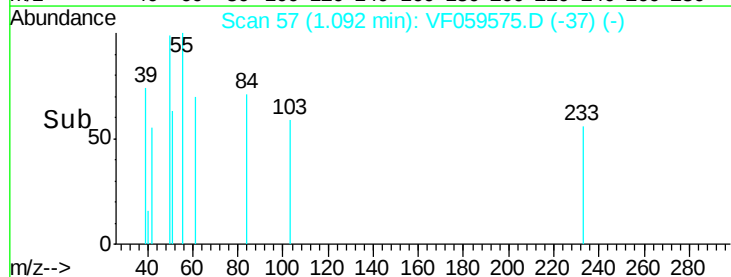
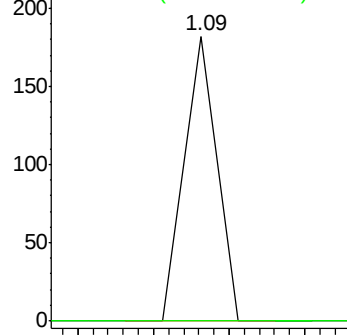
Ion Ratio Lower Upper

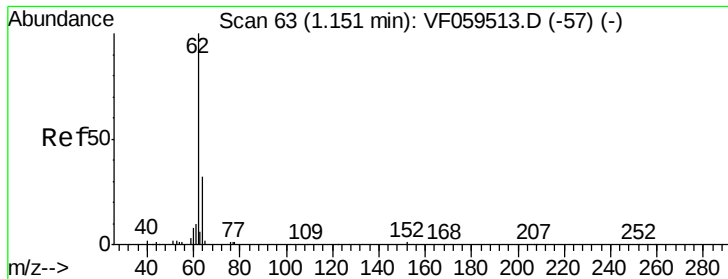
50 100

52 0.0 24.6 37.0#



Abundance Ion 50.00 (49.70 to 50.70): VF0





#4

Vinyl Chloride

Concen: 112.325 ug/l

RT: 1.26 min Scan# 74

Delta R.T. 0.11 min

Lab File: VF059575.D

Acq: 20 Jul 2018 00:35

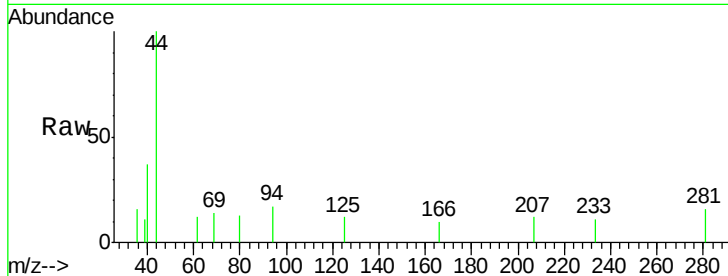
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 62 Resp: 68

Ion Ratio Lower Upper

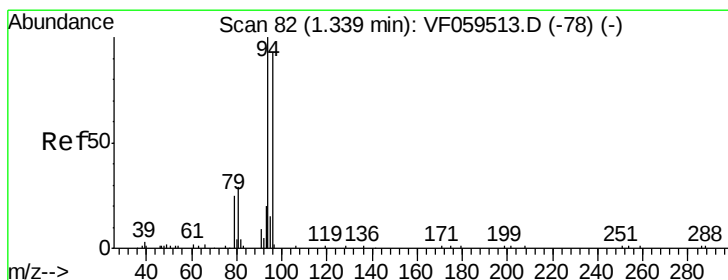
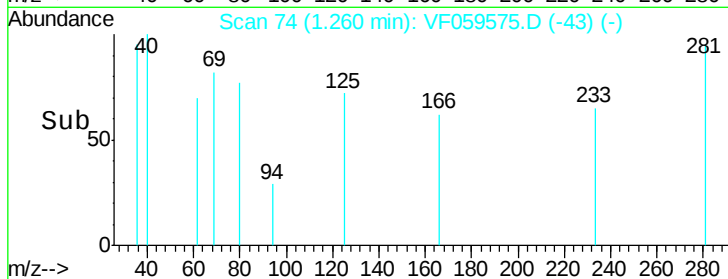
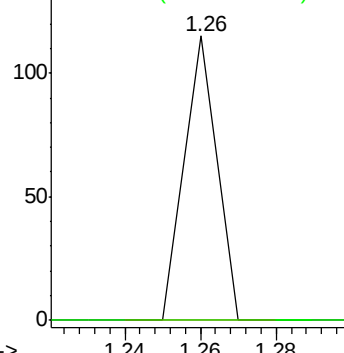
62 100

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: 228.813 ug/l

RT: 1.26 min Scan# 74

Delta R.T. -0.08 min

Lab File: VF059575.D

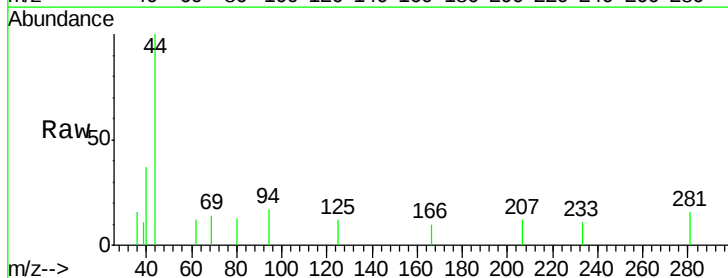
Acq: 20 Jul 2018 00:35

Tgt Ion: 94 Resp: 96

Ion Ratio Lower Upper

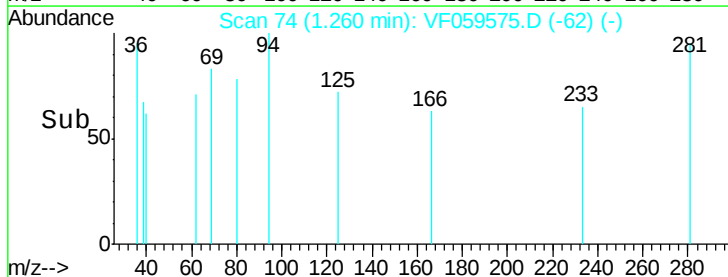
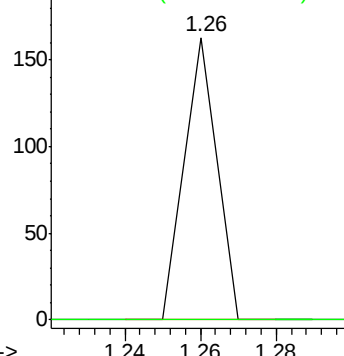
94 100

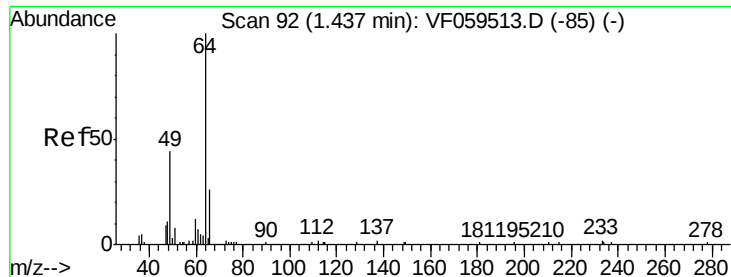
96 0.0 74.2 111.2#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#6

Chloroethane

Concen: 278.447 ug/l

RT: 1.56 min Scan# 104

Delta R.T. 0.12 min

Lab File: VF059575.D

Acq: 20 Jul 2018 00:35

Instrument :

MSVOA_F

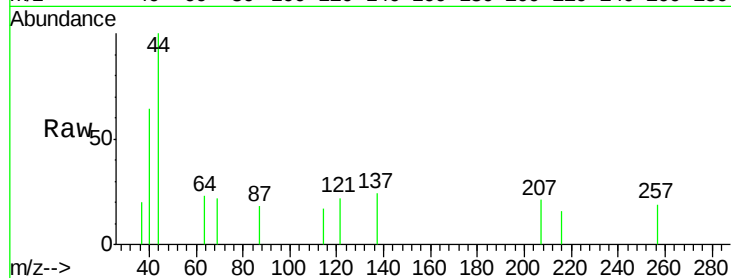
ClientSampleId :

Tot Ion: 64 Resp: 85

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

1.56

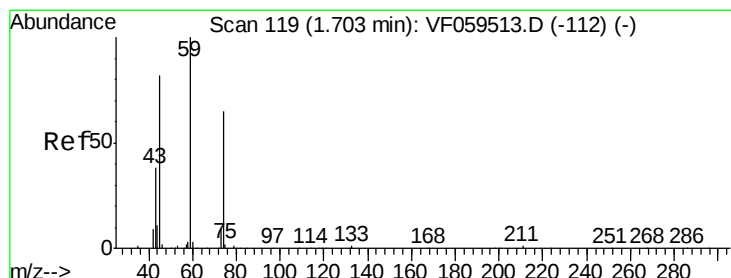
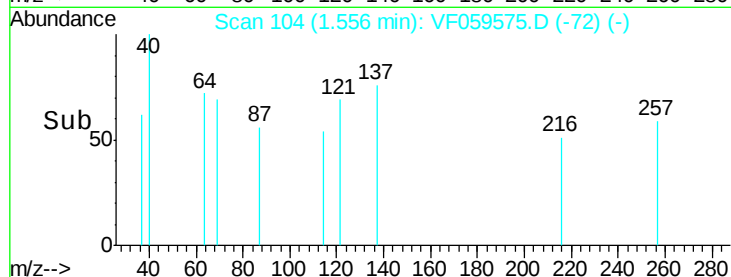
150

100

50

0

Time--> 1.52 1.54 1.56 1.58



#8

Diethyl Ether

Concen: 280.594 ug/l

RT: 1.64 min Scan# 113

Delta R.T. -0.06 min

Lab File: VF059575.D

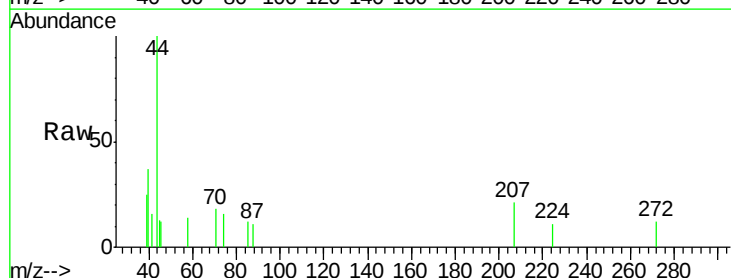
Acq: 20 Jul 2018 00:35

Tgt Ion: 74 Resp: 80

Ion Ratio Lower Upper

74 100

45 163.2 63.6 190.9



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

250

200

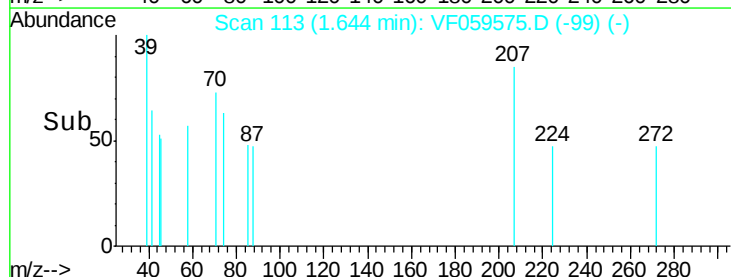
150

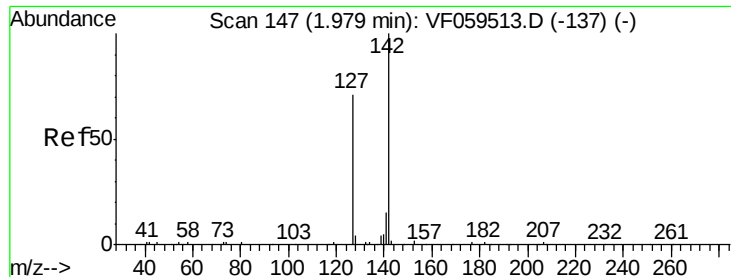
100

50

0

Time--> 1.62 1.64 1.66

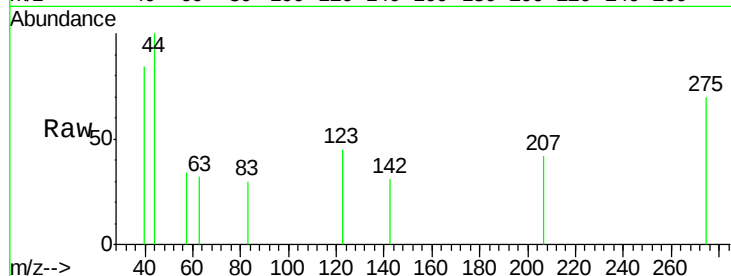




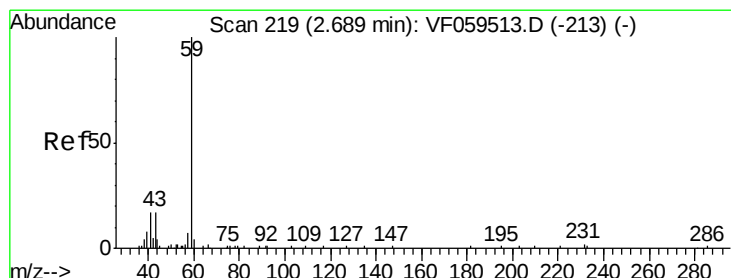
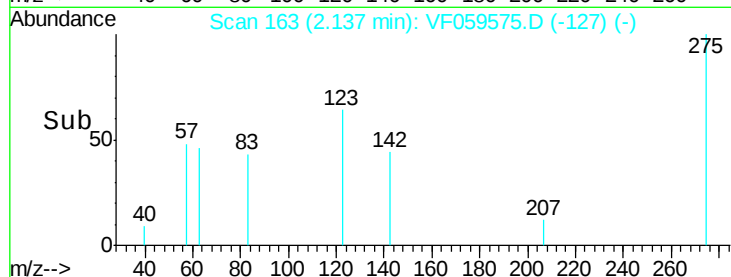
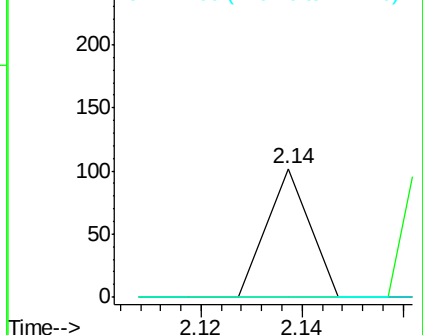
#10
Methyl Iodide
Concen: 54.777 ug/l
RT: 2.14 min Scan# 163
Delta R.T. 0.16 min
Lab File: VF059575.D
Acq: 20 Jul 2018 00:35

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:142 Resp: 60
Ion Ratio Lower Upper
142 100
127 0.0 56.4 84.6#
141 0.0 12.0 18.0#

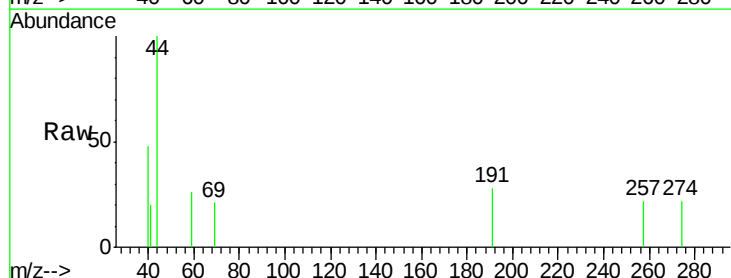


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

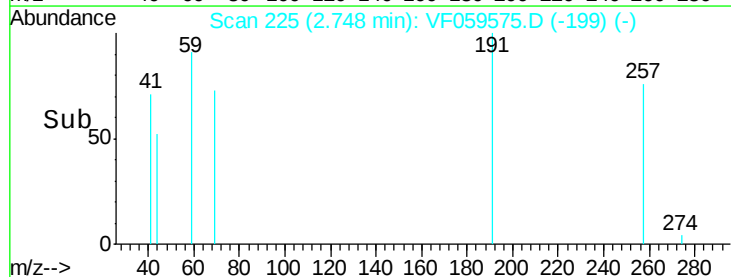
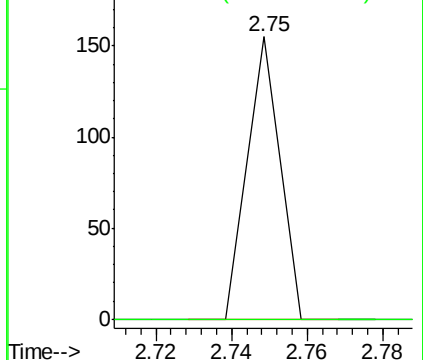


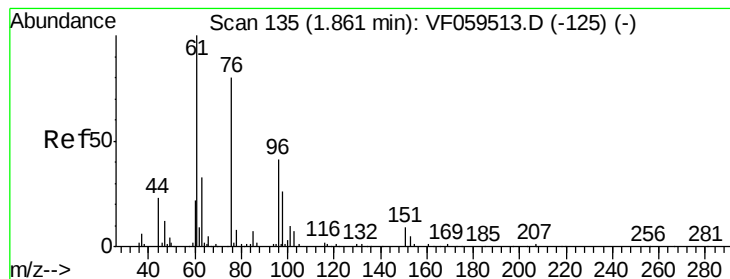
#11
Tert butyl alcohol
Concen: 1653.595 ug/l
RT: 2.75 min Scan# 225
Delta R.T. 0.06 min
Lab File: VF059575.D
Acq: 20 Jul 2018 00:35

Tgt Ion: 59 Resp: 92
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



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





#12

1,1-Dichloroethene

Concen: 196.871 ug/l

RT: 1.82 min Scan# 131

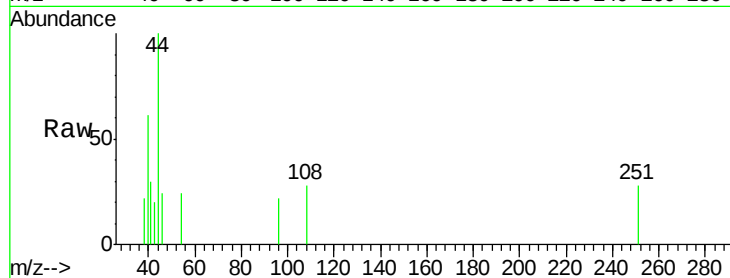
Delta R.T. -0.04 min

Lab File: VF059575.D

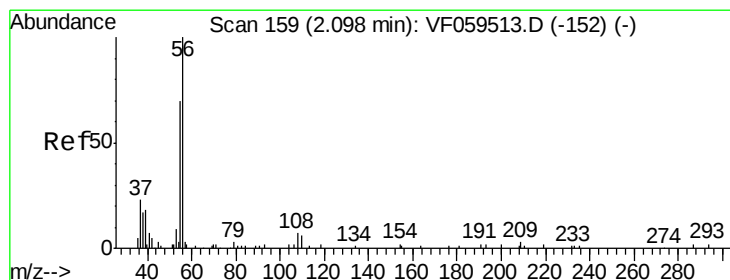
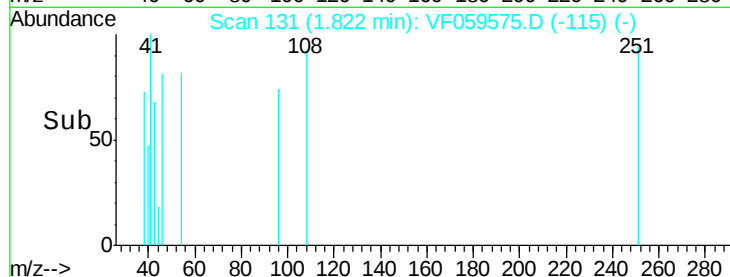
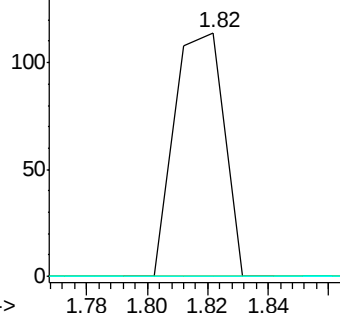
Acq: 20 Jul 2018 00:35

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ClientSampleId :

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



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: 3123.394 ug/l

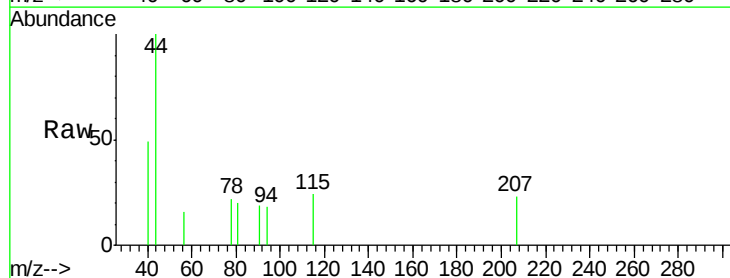
RT: 2.13 min Scan# 162

Delta R.T. 0.03 min

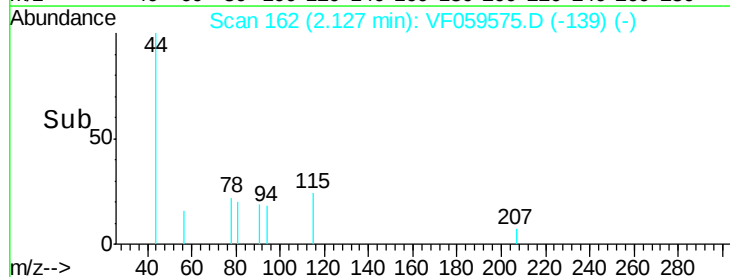
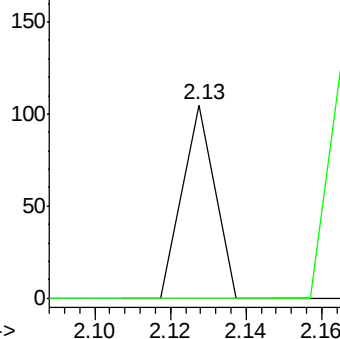
Lab File: VF059575.D

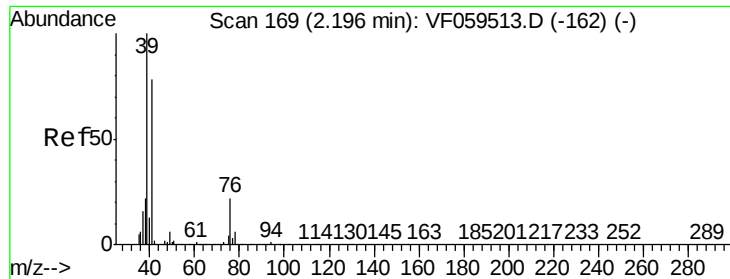
Acq: 20 Jul 2018 00:35

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



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 55.00 (54.70 to 55.70): VF0

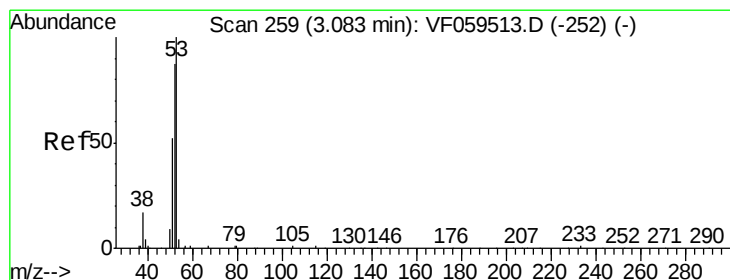
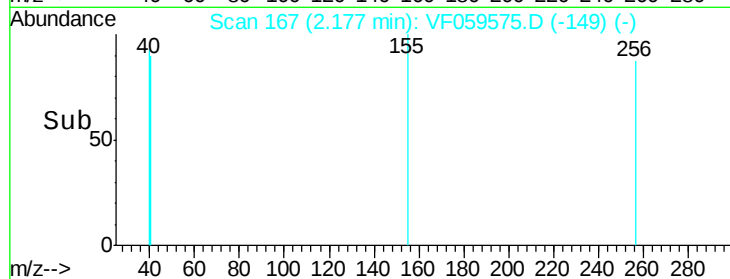
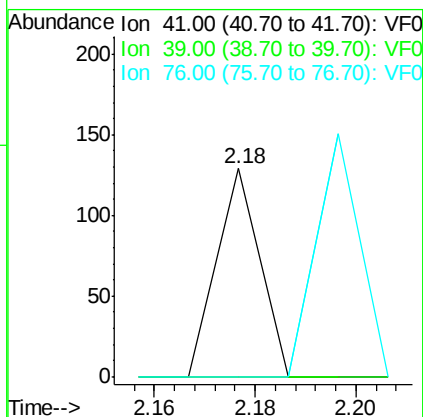
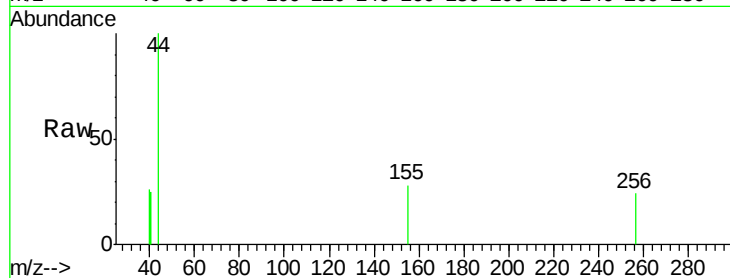




#14
Allvl chloride
Concen: 91.521 ug/l
RT: 2.18 min Scan# 167
Delta R.T. -0.02 min
Lab File: VF059575.D
Acq: 20 Jul 2018 00:35

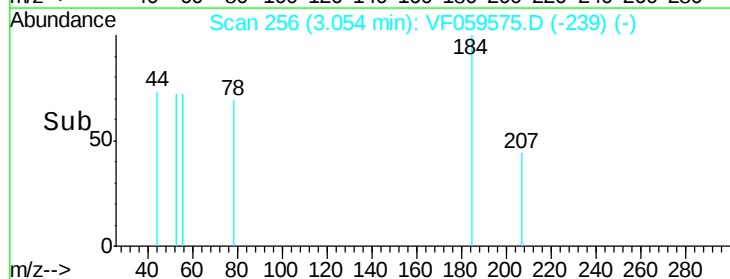
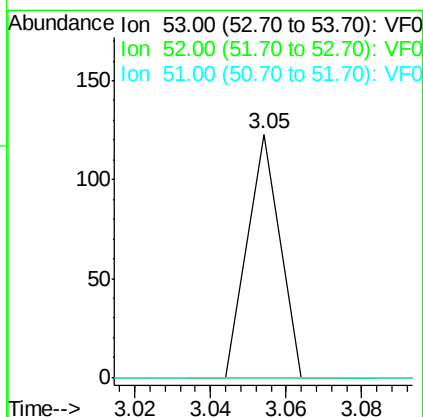
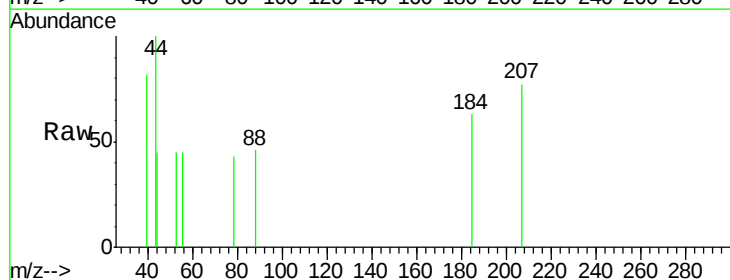
Instrument :
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ClientSampleId :

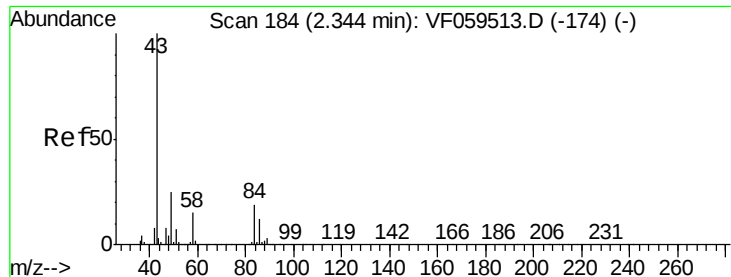
Tot Ion	Ratio	Lower	Upper
41	100		
39	103.1	103.0	154.4
76	0.0	22.6	34.0#



#15
Acrylonitrile
Concen: 628.596 ug/l
RT: 3.05 min Scan# 256
Delta R.T. -0.03 min
Lab File: VF059575.D
Acq: 20 Jul 2018 00:35

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

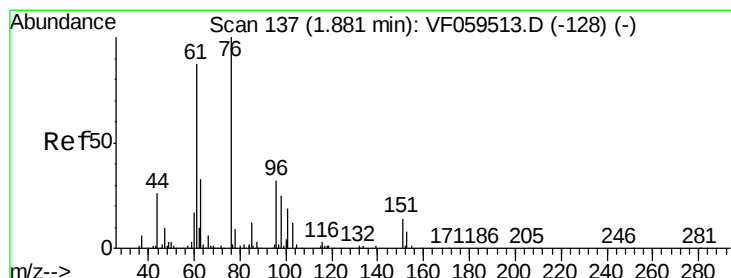
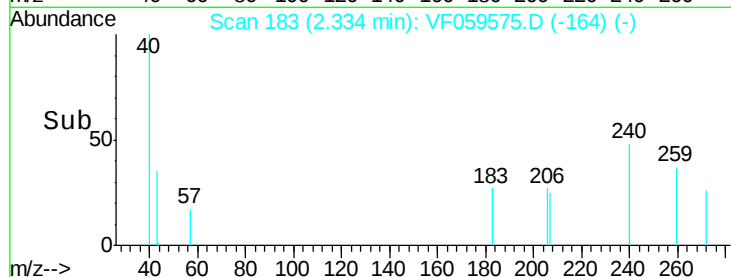
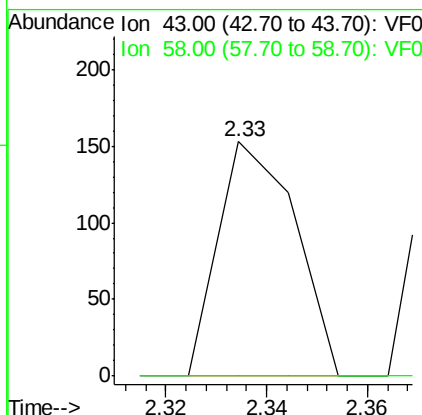
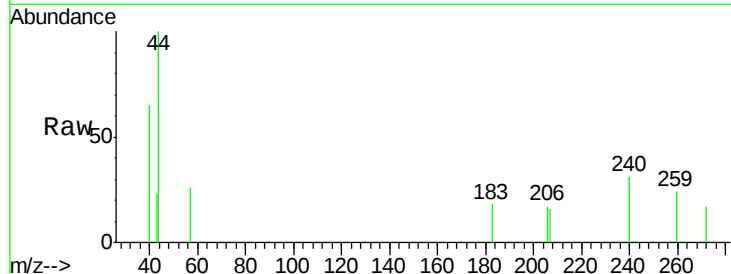




#16
Acetone
Concen: 844.271 ug/l
RT: 2.33 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF059575.D
Acq: 20 Jul 2018 00:35

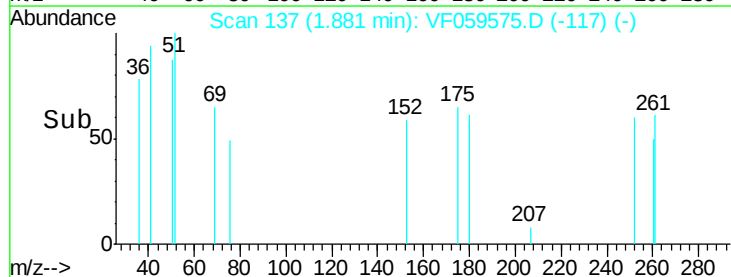
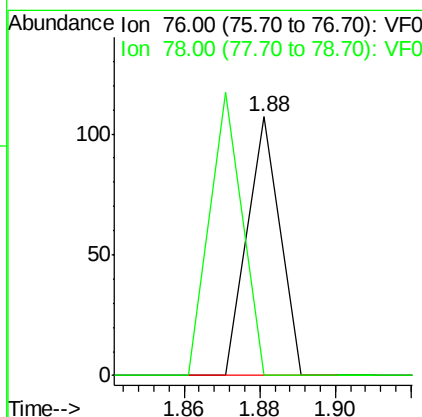
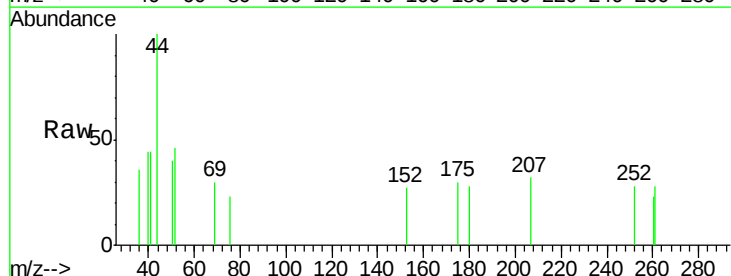
Instrument :
MSVOA_F
ClientSampled :

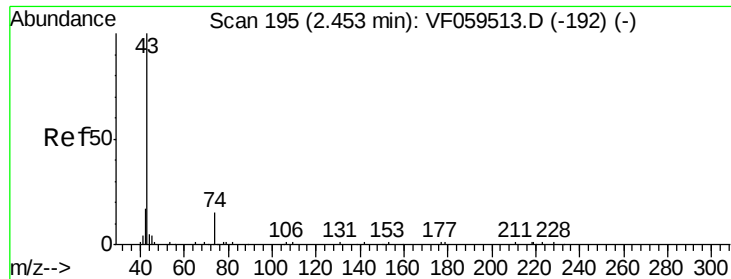
Tot Ion: 43 Resp: 161
Ion Ratio Lower Upper
43 100
58 0.0 11.8 17.6#



#17
Carbon Disulfide
Concen: 36.947 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF059575.D
Acq: 20 Jul 2018 00:35

Tgt Ion: 76 Resp: 63
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#

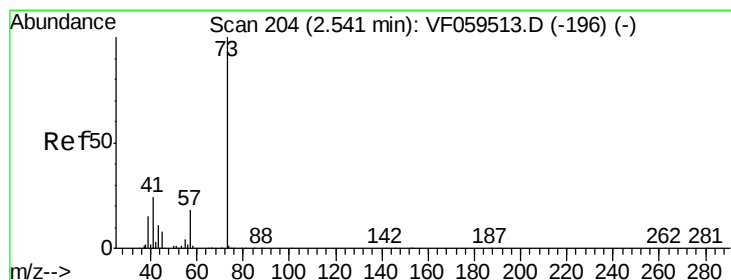
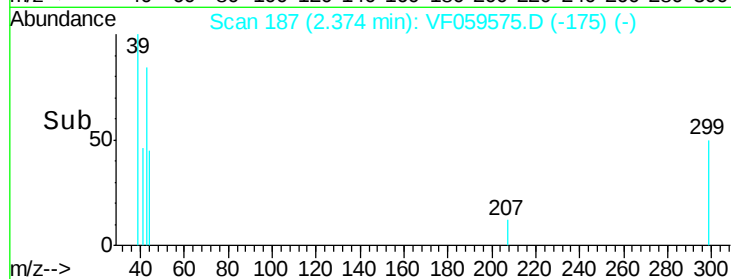
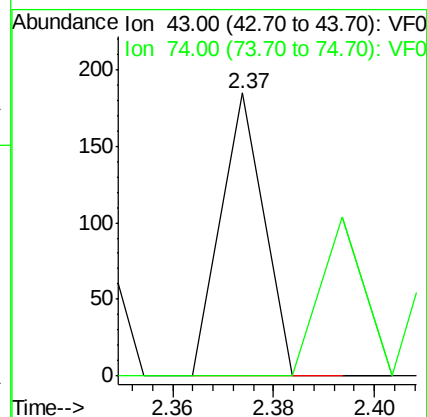
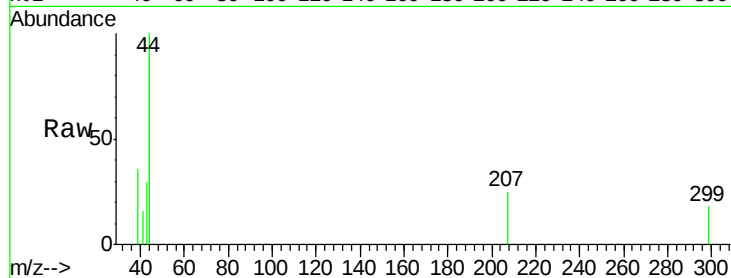




#18
Methyl Acetate
Concen: 271.178 ug/l
RT: 2.37 min Scan# 187
Delta R.T. -0.08 min
Lab File: VF059575.D
Acq: 20 Jul 2018 00:35

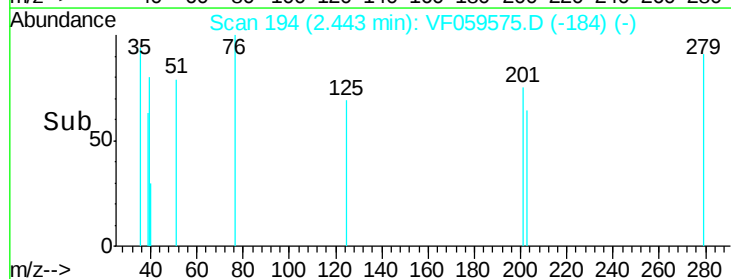
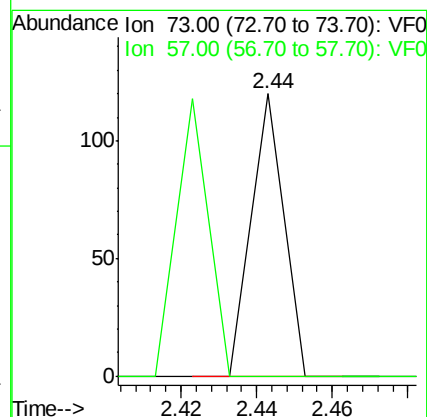
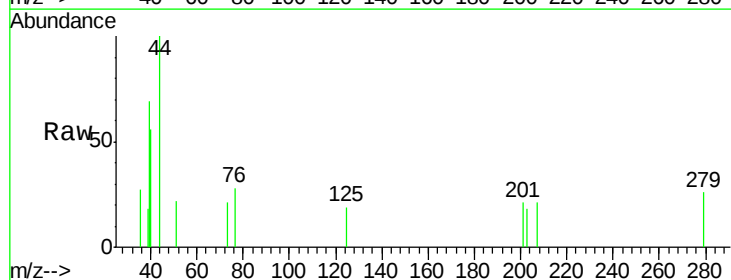
Instrument :
MSVOA_F
ClientSampleId :

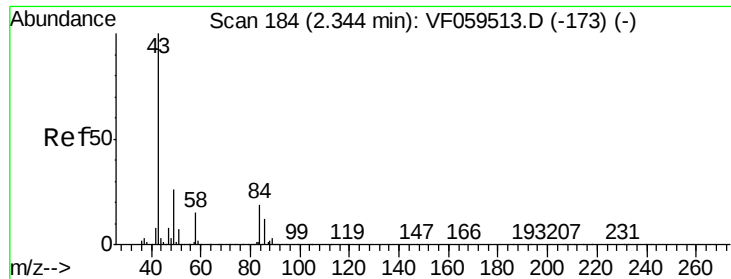
Tot Ion: 43 Resp: 109
Ion Ratio Lower Upper
43 100
74 0.0 10.6 15.8#



#19
Methyl tert-butyl Ether
Concen: 34.013 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.10 min
Lab File: VF059575.D
Acq: 20 Jul 2018 00:35

Tgt Ion: 73 Resp: 71
Ion Ratio Lower Upper
73 100
57 0.0 14.3 21.5#

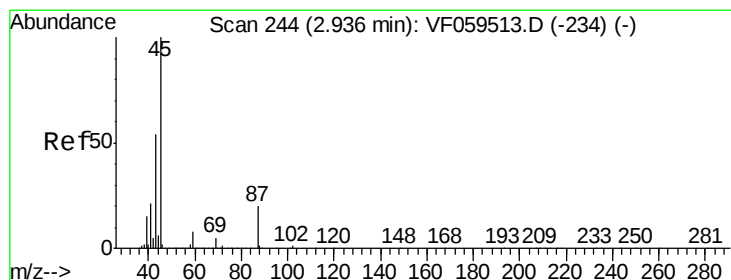
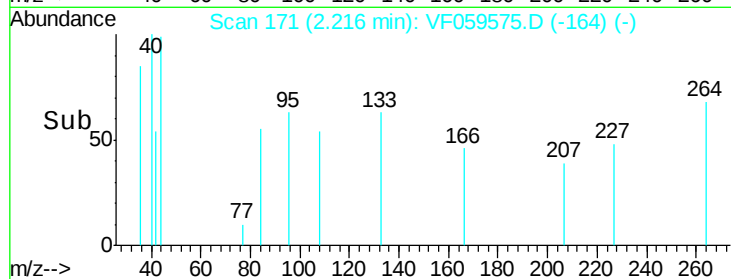
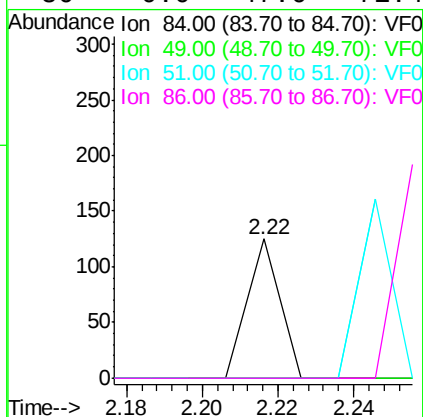
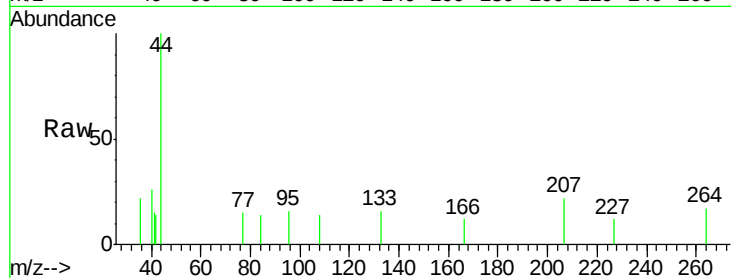




#20
Methvlene Chloride
Concen: 125.412 ug/l
RT: 2.22 min Scan# 171
Delta R.T. -0.13 min
Lab File: VF059575.D
Acq: 20 Jul 2018 00:35

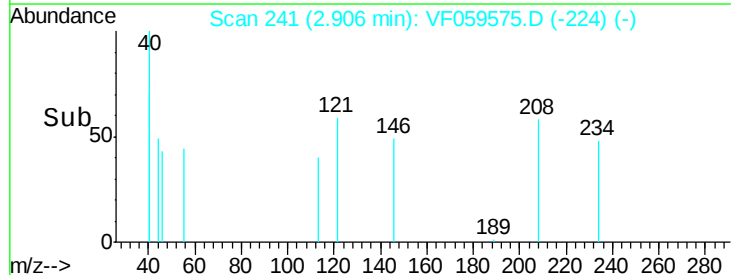
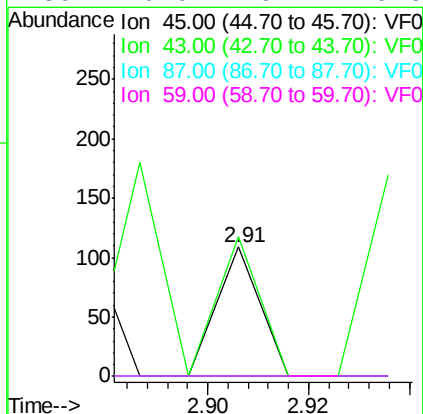
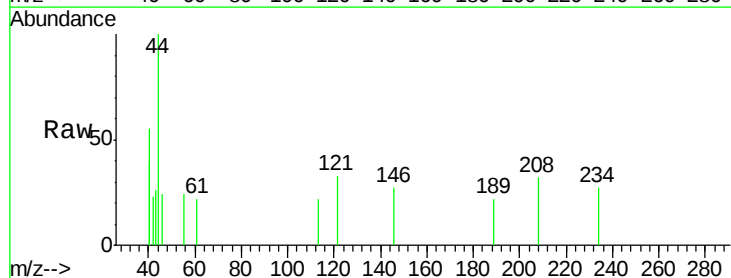
Instrument :
MSVOA_F
ClientSampled :

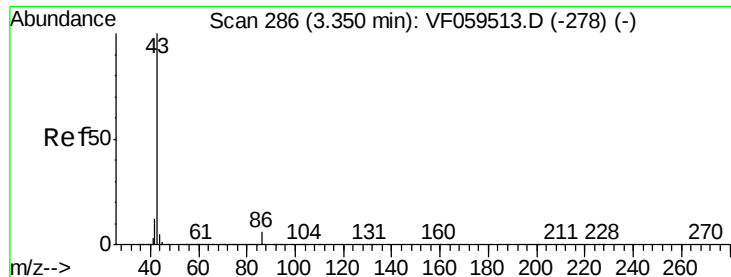
Tot Ion:	84	Resp:	74
Ion	Ratio	Lower	Upper
84	100		
49	0.0	109.4	164.2#
51	0.0	30.5	45.7#
86	0.0	47.6	71.4#



#22
Diisopropyl ether
Concen: 27.423 ug/l
RT: 2.91 min Scan# 241
Delta R.T. -0.03 min
Lab File: VF059575.D
Acq: 20 Jul 2018 00:35

Tgt Ion:	45	Resp:	64
Ion	Ratio	Lower	Upper
45	100		
43	108.3	43.6	65.4#
87	0.0	15.6	23.4#
59	0.0	6.4	9.6#





#23

Vinyl Acetate

Concen: 63.060 ug/l

RT: 3.39 min Scan# 290

Delta R.T. 0.04 min

Lab File: VF059575.D

Acq: 20 Jul 2018 00:35

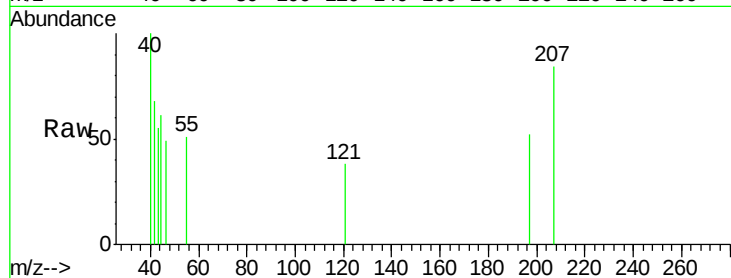
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 86

Ion Ratio Lower Upper

43 100

86 0.0 4.4 6.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.39

150

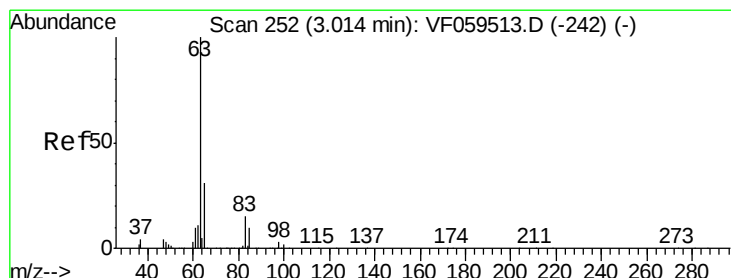
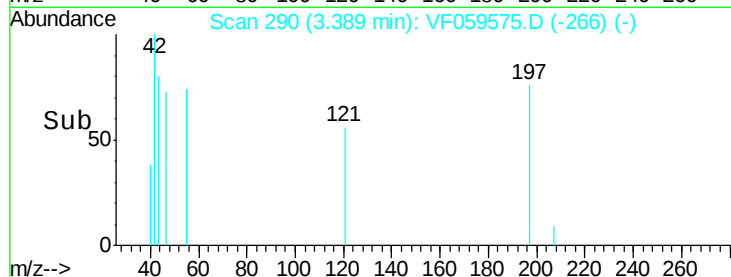
100

50

0

3.36 3.38 3.40 3.42

Time-->



#24

1,1-Dichloroethane

Concen: 136.685 ug/l

RT: 2.96 min Scan# 246

Delta R.T. -0.06 min

Lab File: VF059575.D

Acq: 20 Jul 2018 00:35

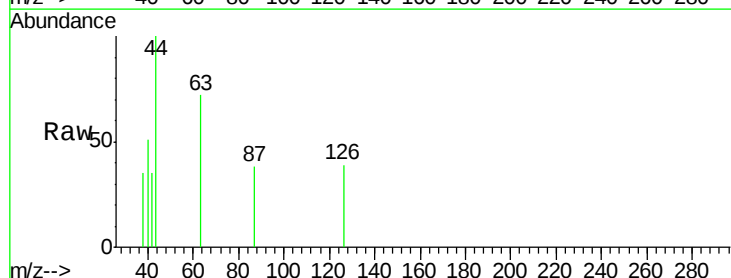
Tgt Ion: 63 Resp: 197

Ion Ratio Lower Upper

63 100

98 0.0 1.8 5.4#

100 0.0 1.3 3.8#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

300

250

200

150

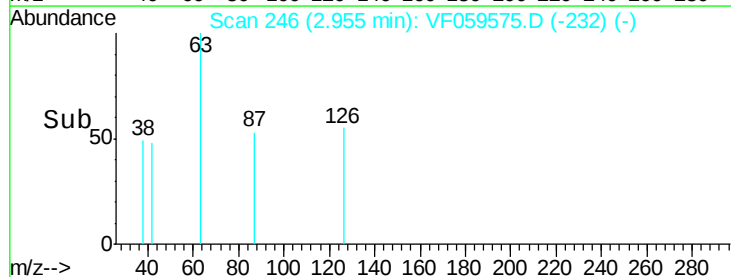
100

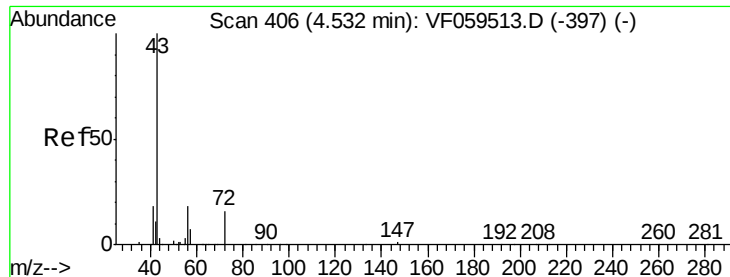
50

0

2.92 2.94 2.96 2.98

Time-->





#25

2-Butanone

Concen: 189.817 ug/l

RT: 4.62 min Scan# 415

Delta R.T. 0.09 min

Lab File: VF059575.D

Acq: 20 Jul 2018 00:35

Instrument :

MSVOA_F

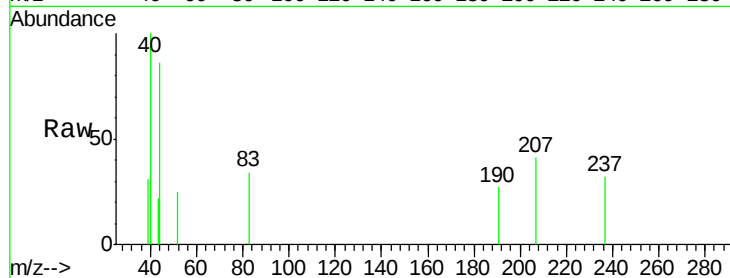
ClientSampled :

Tot Ion: 43 Resp: 61

Ion Ratio Lower Upper

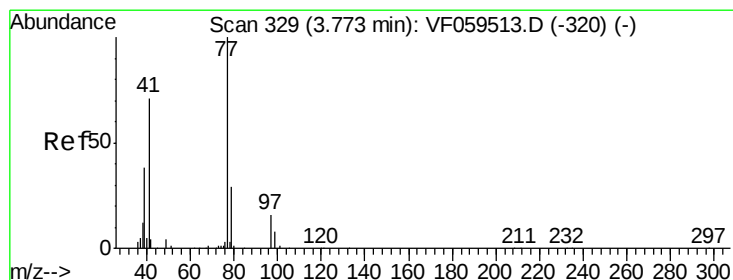
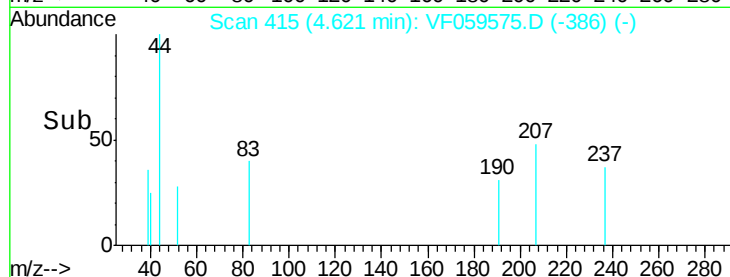
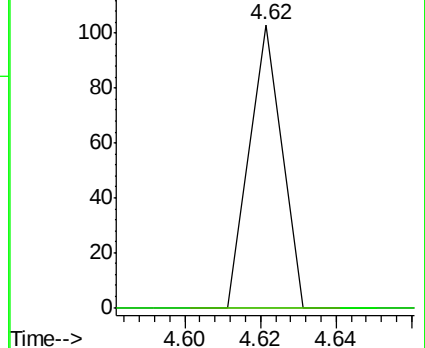
43 100

72 0.0 14.2 21.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 92.290 ug/l

RT: 3.76 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF059575.D

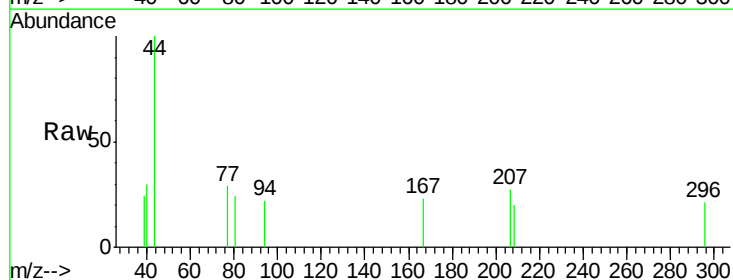
Acq: 20 Jul 2018 00:35

Tgt Ion: 77 Resp: 88

Ion Ratio Lower Upper

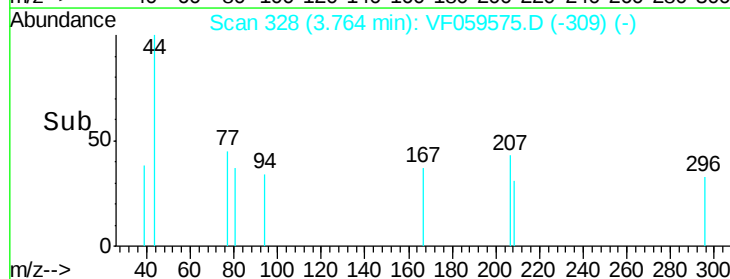
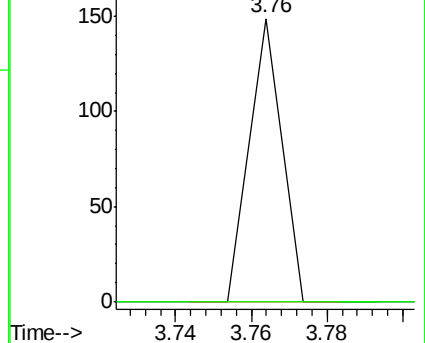
77 100

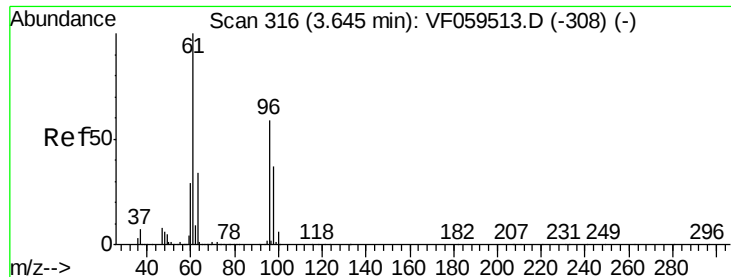
97 0.0 8.1 24.3#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



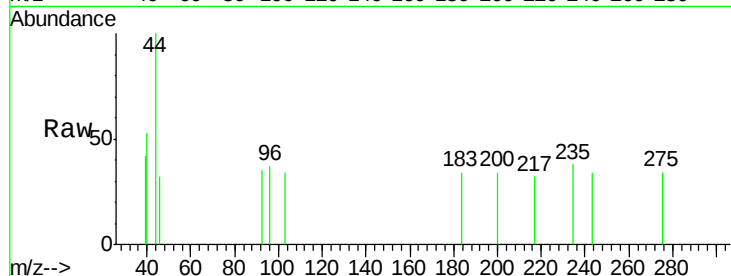


#27

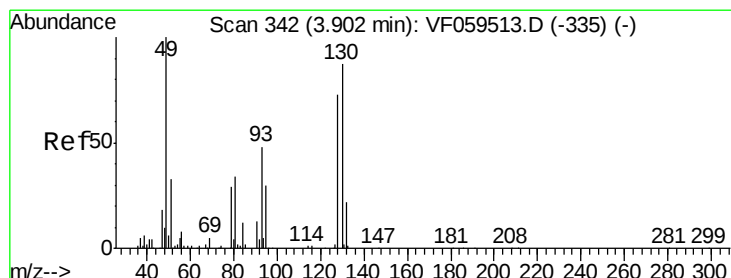
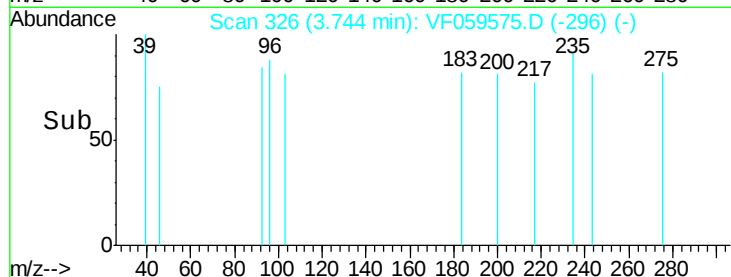
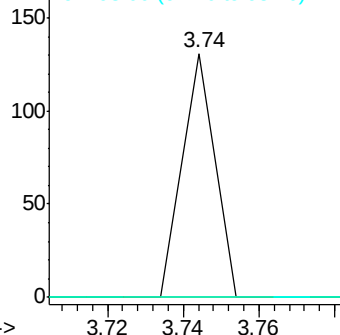
cis-1,2-Dichloroethene
Concen: 107.538 ug/l
RT: 3.74 min Scan# 326
Delta R.T. 0.10 min
Lab File: VF059575.D
Acq: 20 Jul 2018 00:35

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	339.0
98	0.0	0.0	125.4



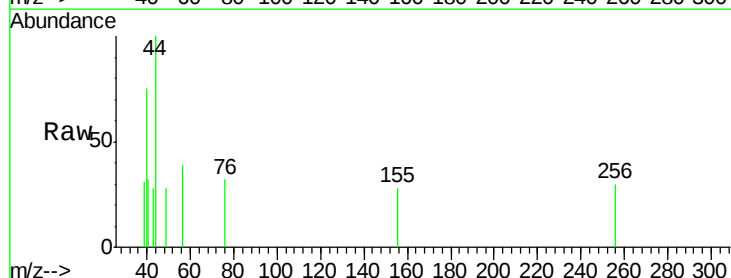
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



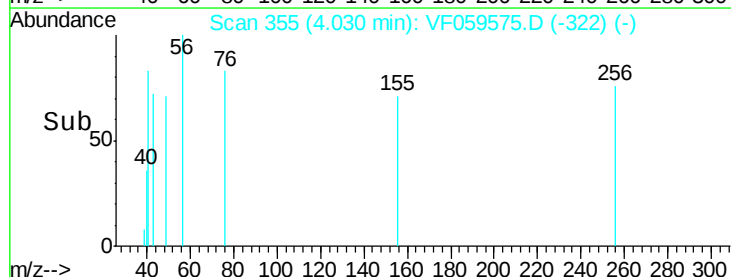
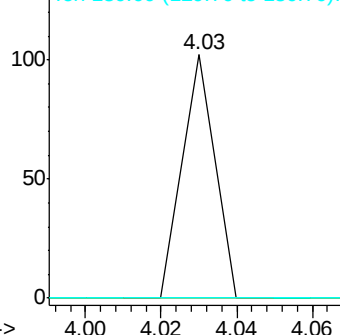
#28

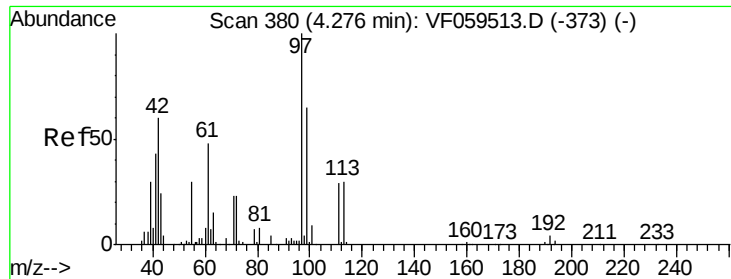
Bromochloromethane
Concen: 94.576 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.13 min
Lab File: VF059575.D
Acq: 20 Jul 2018 00:35

Tgt 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: 495.056 ug/l

RT: 4.32 min Scan# 384

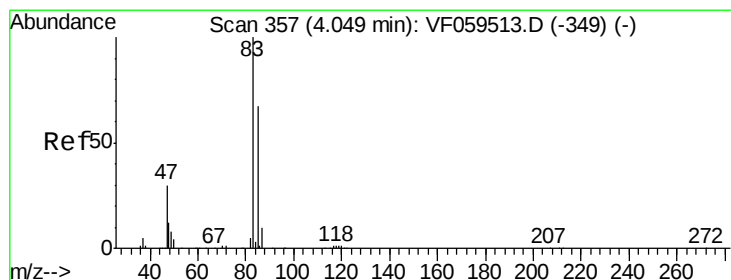
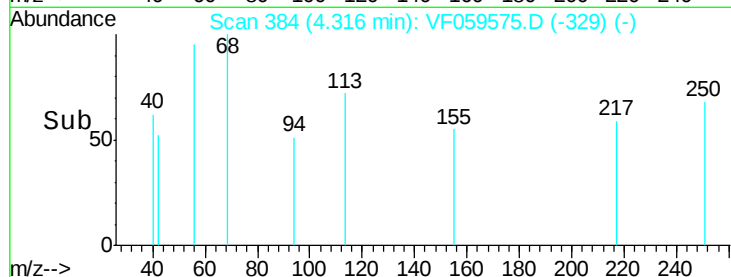
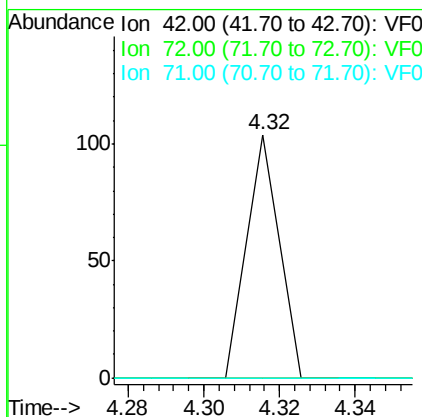
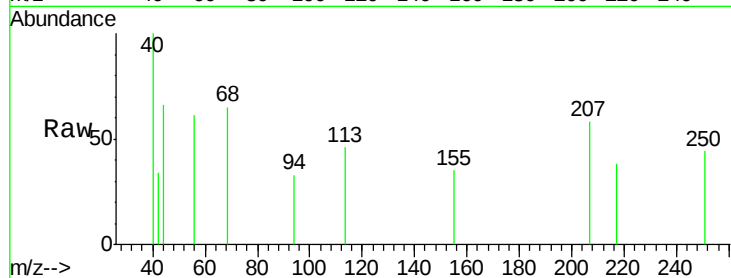
Delta R.T. 0.04 min

Lab File: VF059575.D

Acq: 20 Jul 2018 00:35

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 42 Resp: 62
Ion Ratio Lower Upper
42 100
72 0.0 28.7 43.1#
71 0.0 30.8 46.2#



#30

Chloroform

Concen: 30.739 ug/l

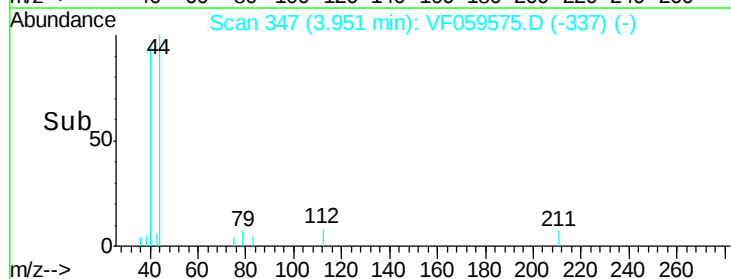
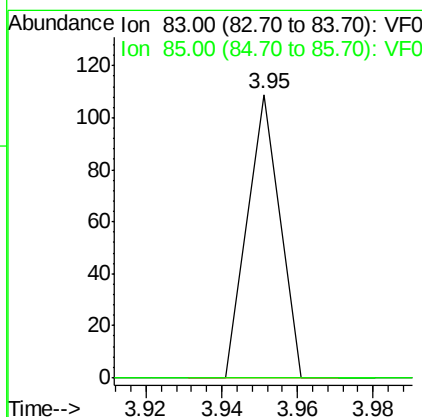
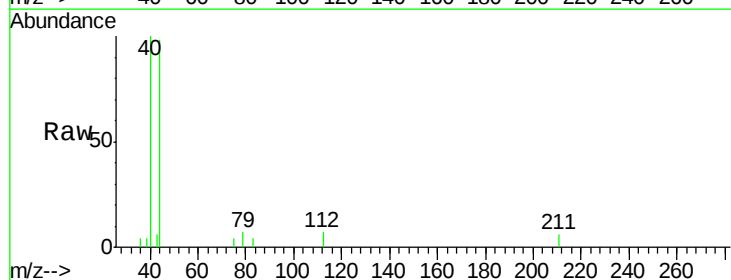
RT: 3.95 min Scan# 347

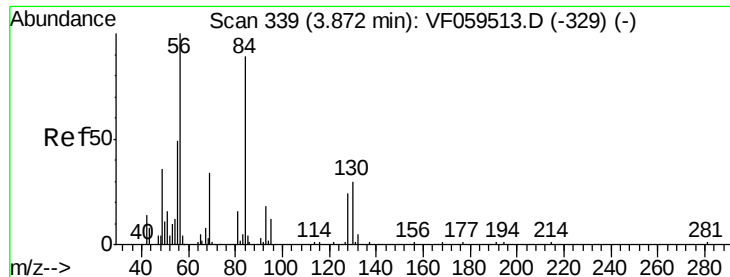
Delta R.T. -0.10 min

Lab File: VF059575.D

Acq: 20 Jul 2018 00:35

Tgt Ion: 83 Resp: 64
Ion Ratio Lower Upper
83 100
85 0.0 53.2 79.8#

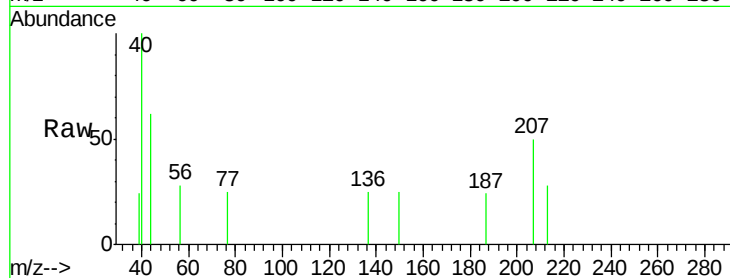




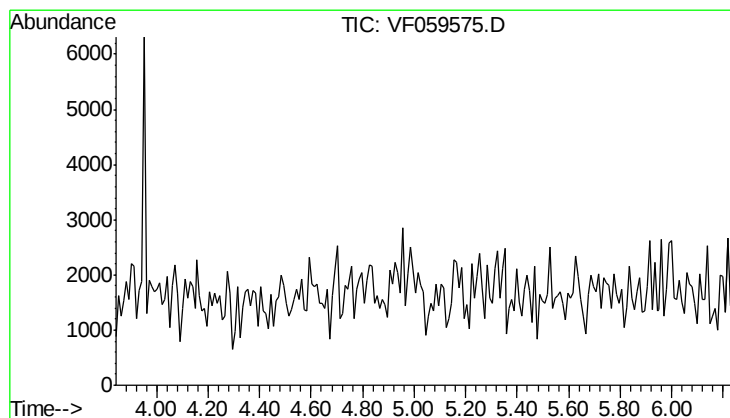
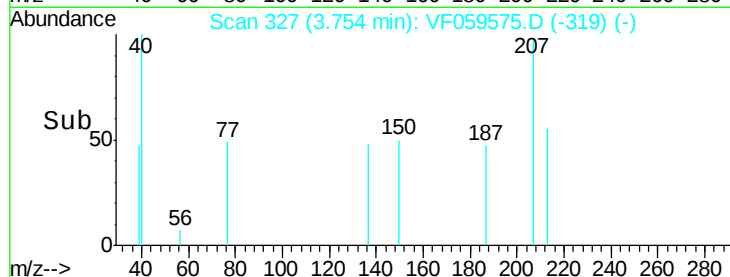
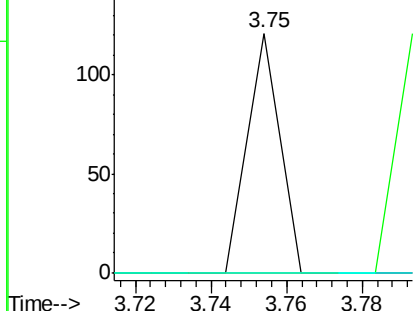
#31
Cvclohexane
Concen: 96.445 ug/l
RT: 3.75 min Scan# 327
Delta R.T. -0.12 min
Lab File: VF059575.D
Acq: 20 Jul 2018 00:35

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 72
Ion Ratio Lower Upper
56 100
69 0.0 27.6 41.4#
84 0.0 71.4 107.2#



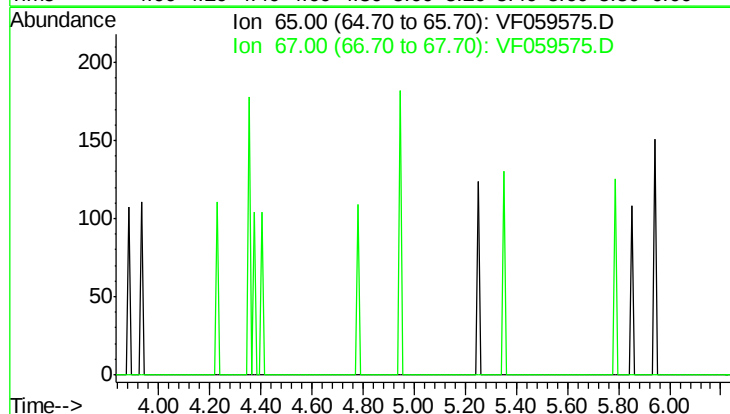
Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

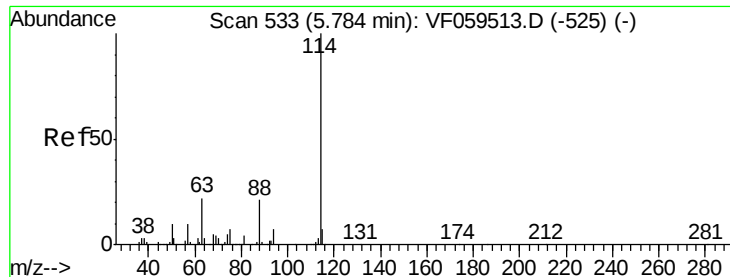


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.04 min

Lab File: VF059575.D
Acq: 20 Jul 2018 00:35

Tgt Ion: 65
Sig Exp Ratio
65 100
67 45.6

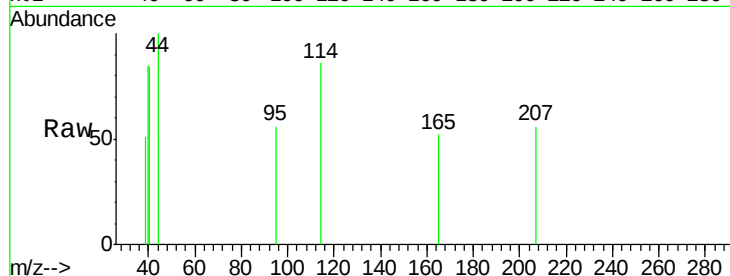




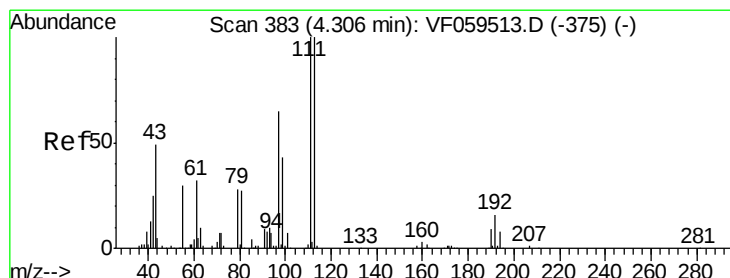
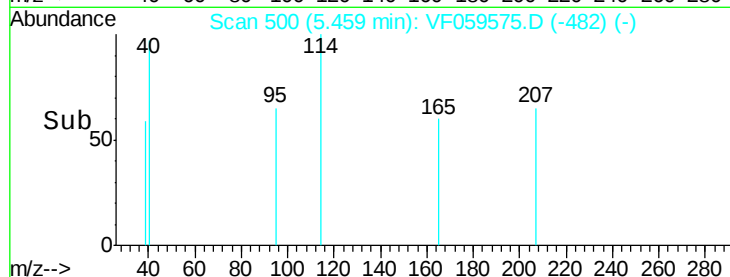
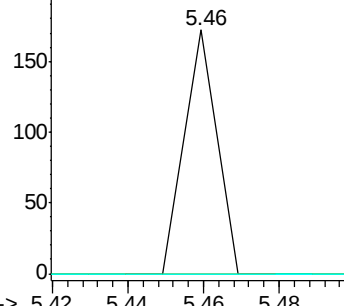
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.46 min Scan# 500
Delta R.T. -0.33 min
Lab File: VF059575.D
Acq: 20 Jul 2018 00:35

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:114 Resp: 102
Ion Ratio Lower Upper
114 100
63 0.0 0.0 44.8
88 0.0 0.0 42.6

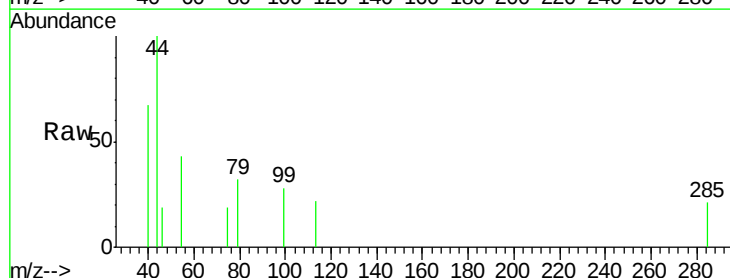


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

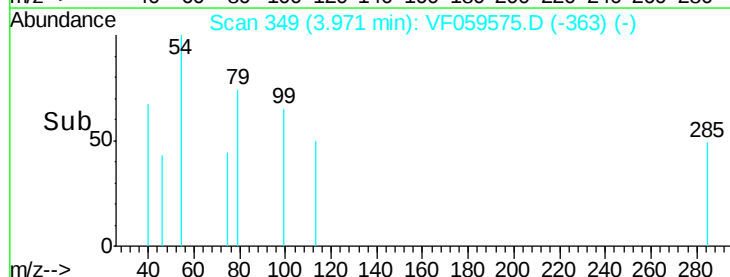
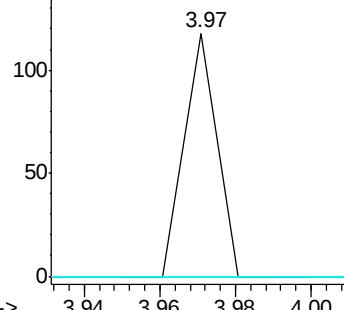


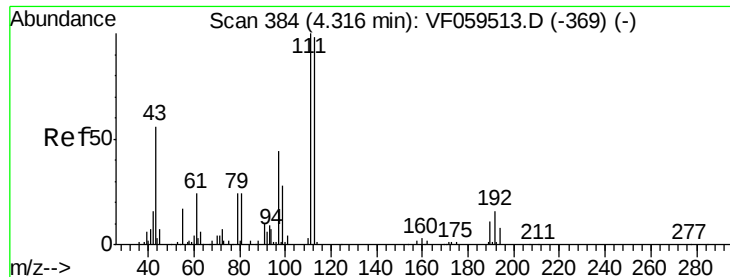
#35
Dibromofluoromethane
Concen: 79.239 ug/l
RT: 3.97 min Scan# 349
Delta R.T. -0.33 min
Lab File: VF059575.D
Acq: 20 Jul 2018 00:35

Tgt Ion:113 Resp: 70
Ion Ratio Lower Upper
113 100
111 0.0 80.3 120.5#
192 0.0 13.1 19.7#



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





#37

Ethyl Acetate

Concen: 283.168 ug/l

RT: 4.10 min Scan# 362

Delta R.T. -0.22 min

Lab File: VF059575.D

Acq: 20 Jul 2018 00:35

Instrument :
MSVOA_F
ClientSampled :

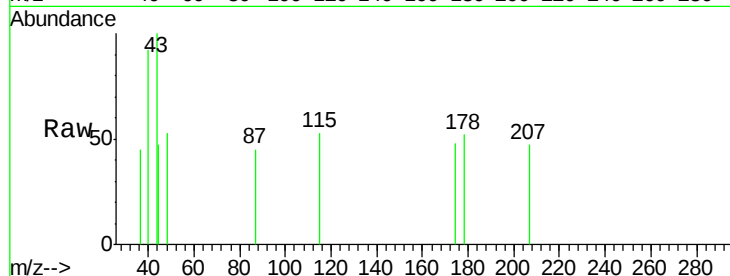
Tot Ion: 43 Resp: 141

Ion Ratio Lower Upper

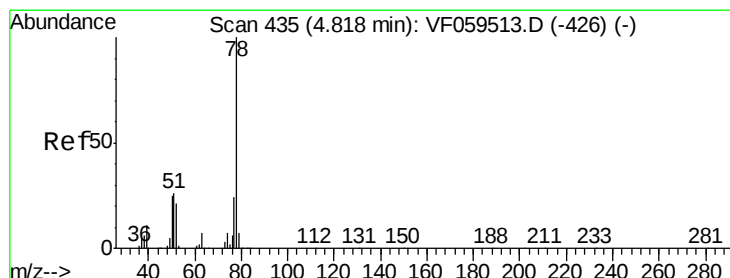
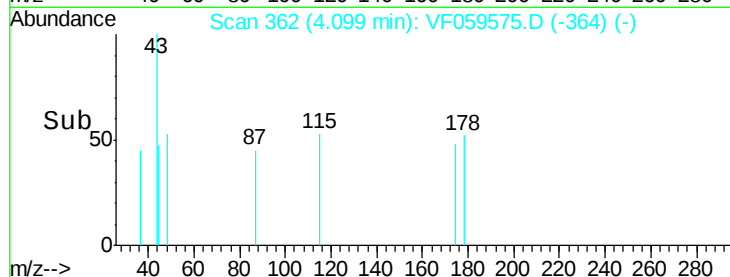
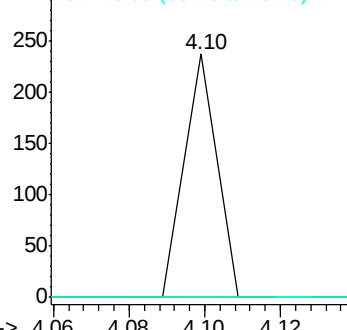
43 100

61 0.0 33.7 50.5#

70 0.0 7.4 11.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0



#40

Benzene

Concen: 41.400 ug/l

RT: 4.47 min Scan# 400

Delta R.T. -0.34 min

Lab File: VF059575.D

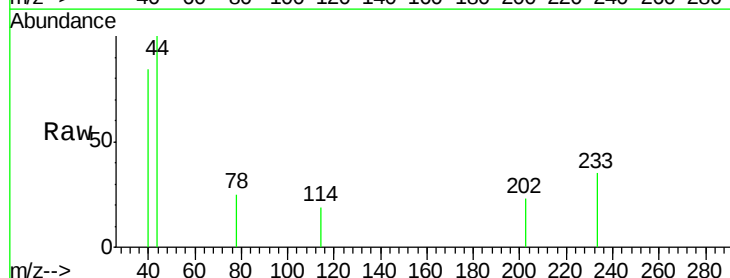
Acq: 20 Jul 2018 00:35

Tgt Ion: 78 Resp: 82

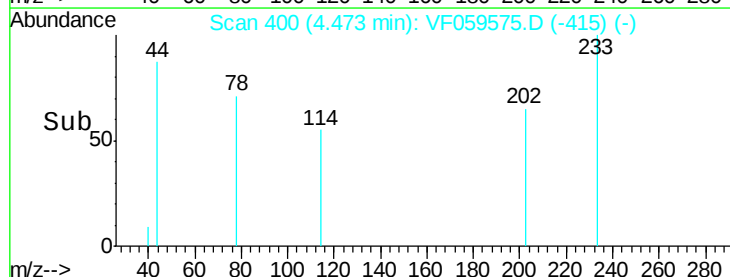
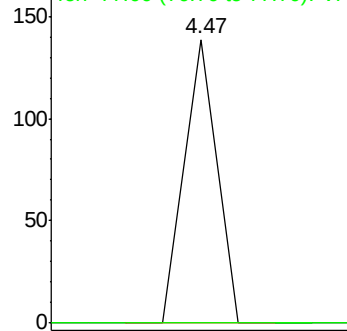
Ion Ratio Lower Upper

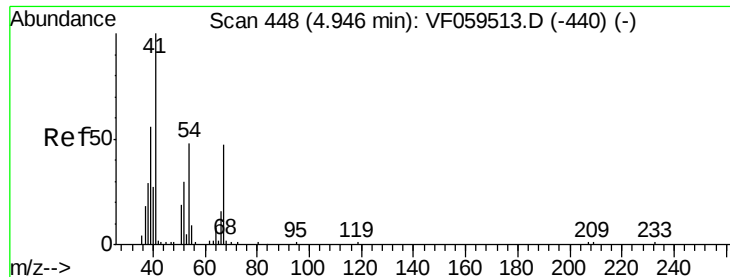
78 100

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

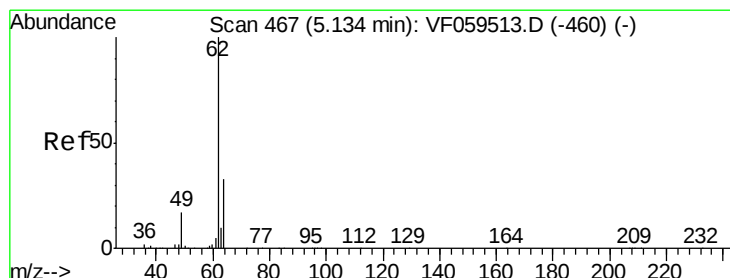
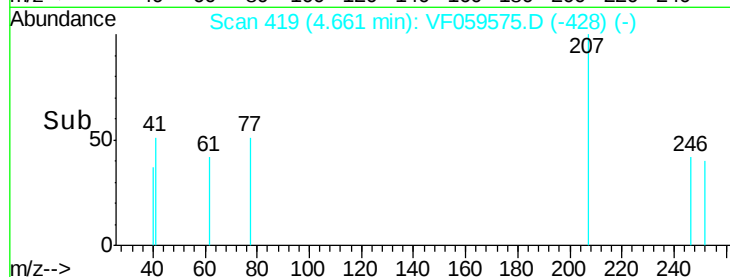
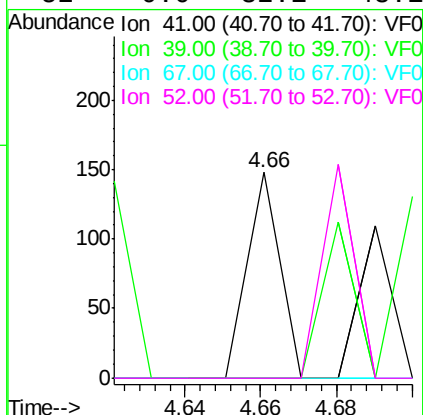
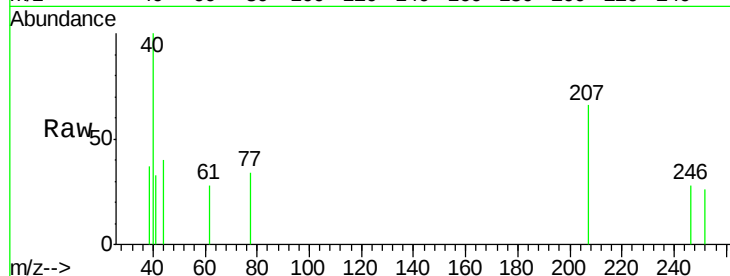




#41
Methacrylonitrile
Concen: 300.566 ug/l
RT: 4.66 min Scan# 419
Delta R.T. -0.29 min
Lab File: VF059575.D
Acq: 20 Jul 2018 00:35

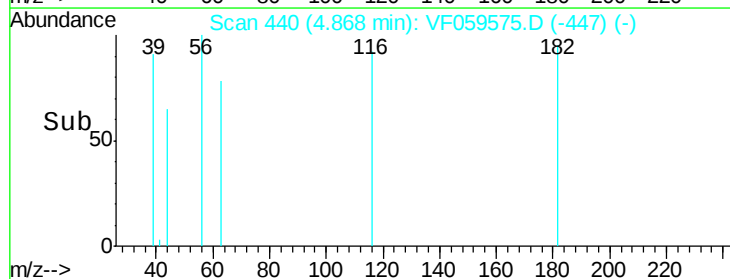
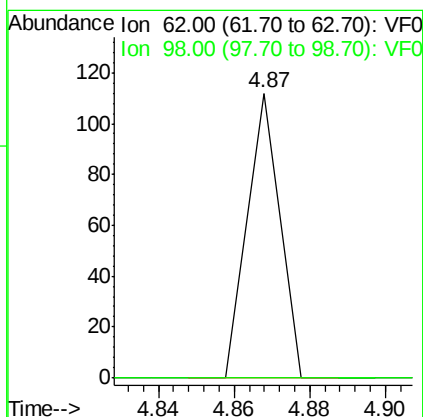
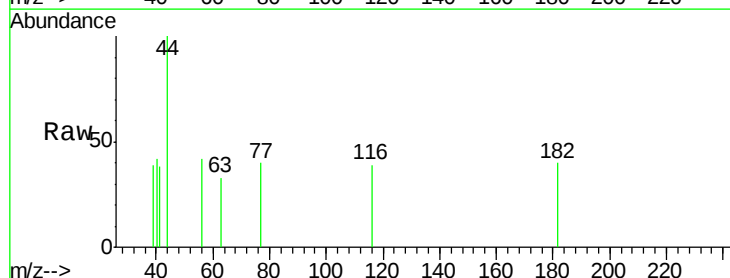
Instrument :
MSVOA_F
ClientSampled :

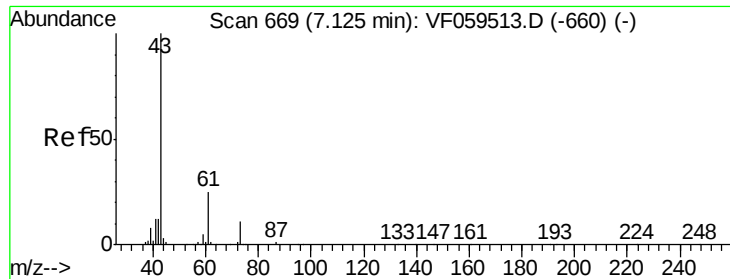
Tot Ion: 41 Resp: 88
Ion Ratio Lower Upper
41 100
39 0.0 49.4 74.0#
67 0.0 37.4 56.2#
52 0.0 32.1 48.1#



#42
1,2-Dichloroethane
Concen: 50.730 ug/l
RT: 4.87 min Scan# 440
Delta R.T. -0.27 min
Lab File: VF059575.D
Acq: 20 Jul 2018 00:35

Tgt Ion: 62 Resp: 66
Ion Ratio Lower Upper
62 100
98 0.0 0.0 9.6



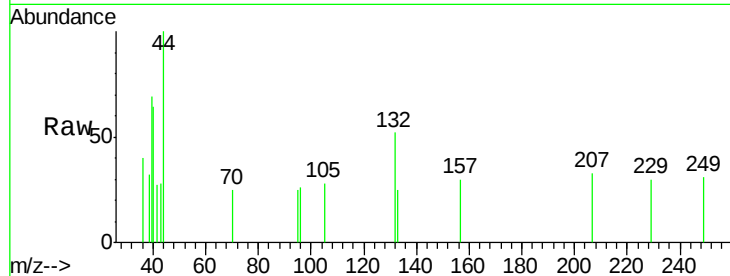


#43

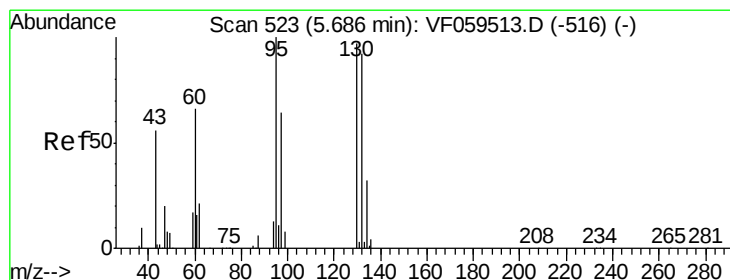
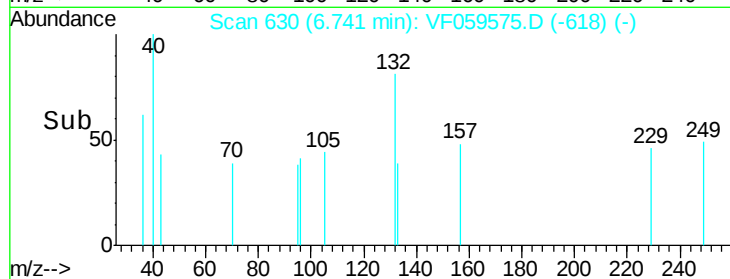
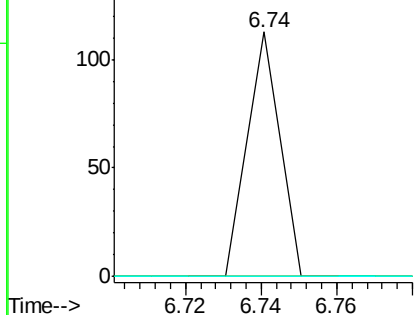
Isopropyl Acetate
 Concen: 91.327 ug/l
 RT: 6.74 min Scan# 630
 Delta R.T. -0.38 min
 Lab File: VF059575.D
 Acq: 20 Jul 2018 00:35

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
61	0.0	20.3	30.5#	
87	0.0	0.4	0.6#	



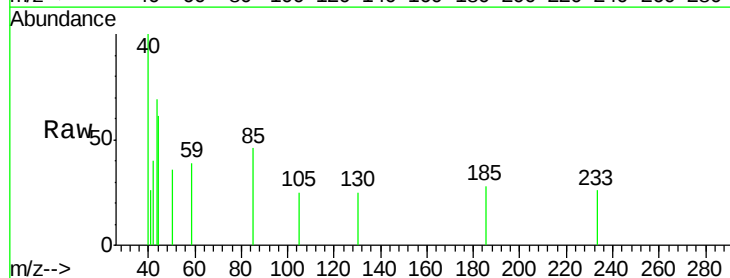
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



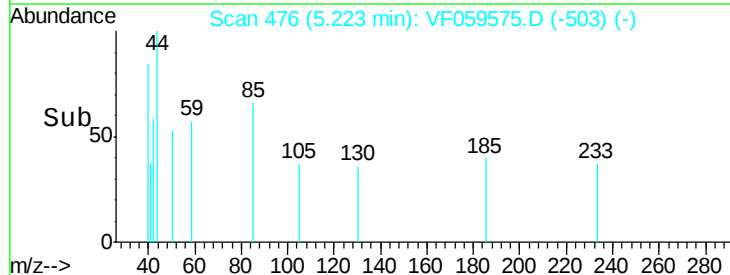
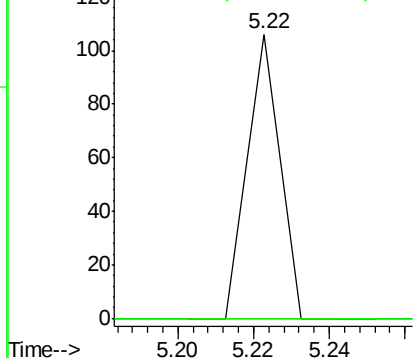
#44

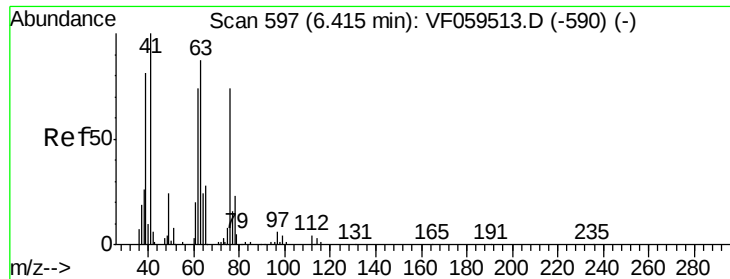
Trichloroethene
 Concen: 85.930 ug/l
 RT: 5.22 min Scan# 476
 Delta R.T. -0.46 min
 Lab File: VF059575.D
 Acq: 20 Jul 2018 00:35

Tgt Ion	Ion	Ratio	Lower	Upper
130	100			
95	0.0	0.0	206.6	



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 130.968 ug/l

RT: 5.96 min Scan# 551

Delta R.T. -0.45 min

Lab File: VF059575.D

Acq: 20 Jul 2018 00:35

Instrument :

MSVOA_F

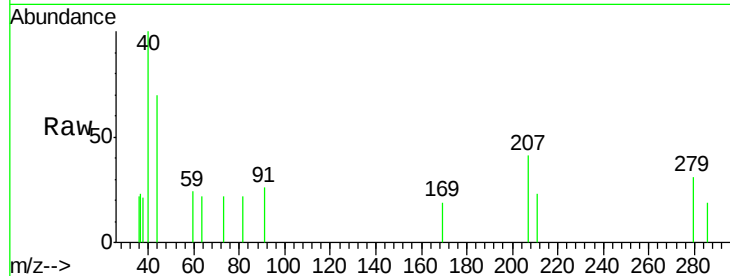
ClientSampleId :

Tot Ion: 63 Resp: 72

Ion Ratio Lower Upper

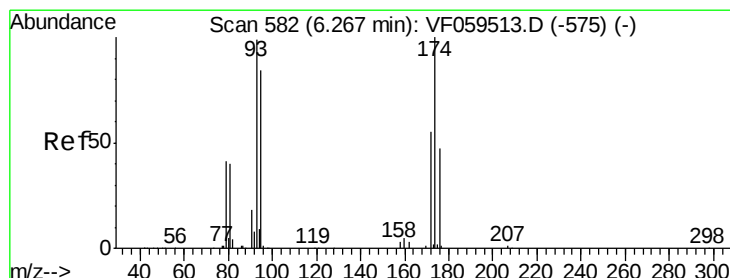
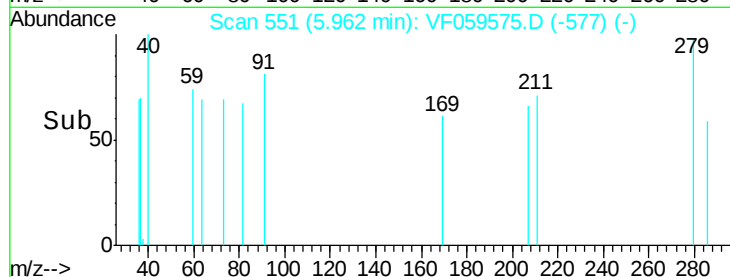
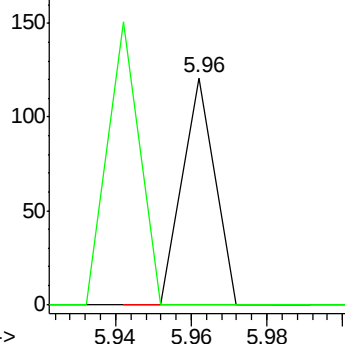
63 100

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



#46

Dibromomethane

Concen: 143.812 ug/l

RT: 6.00 min Scan# 555

Delta R.T. -0.27 min

Lab File: VF059575.D

Acq: 20 Jul 2018 00:35

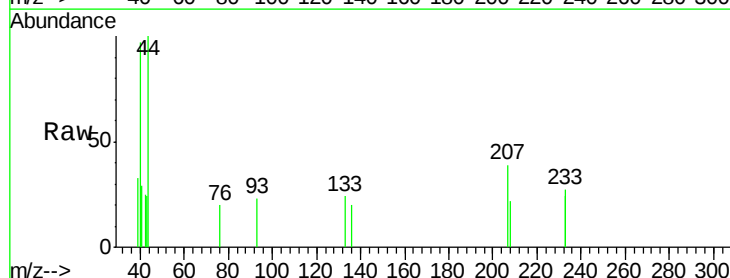
Tgt Ion: 93 Resp: 72

Ion Ratio Lower Upper

93 100

95 0.0 68.3 102.5#

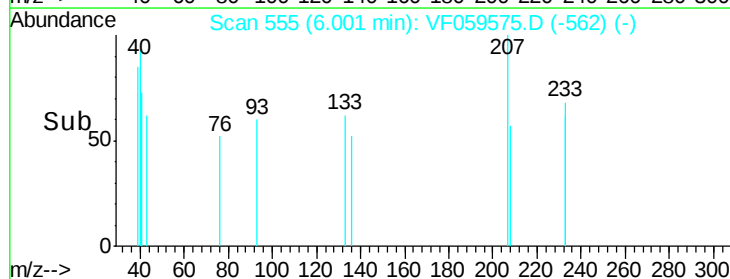
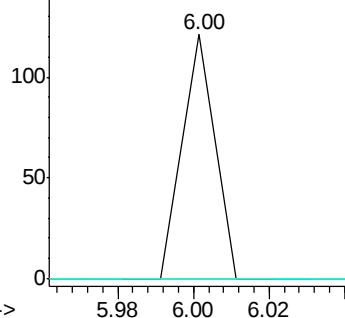
174 0.0 81.2 121.8#

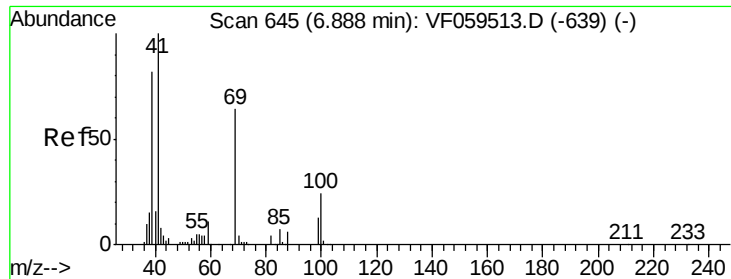


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

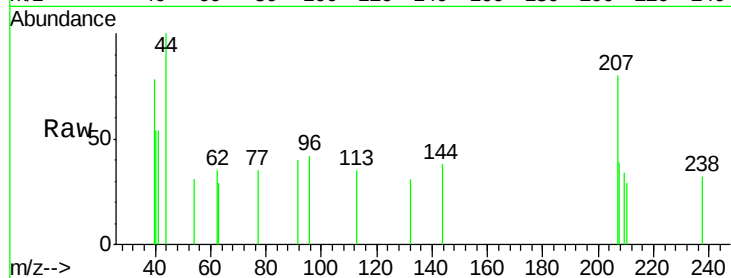




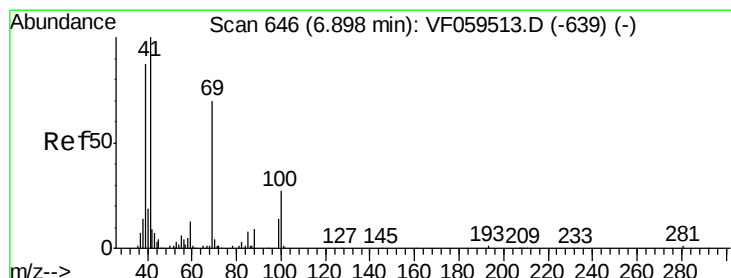
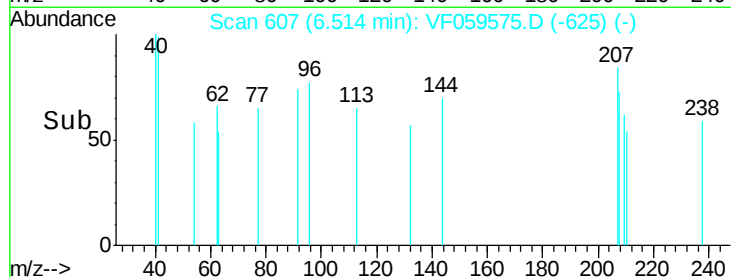
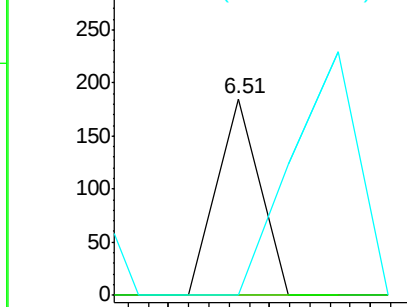
#48
Methvl methacrylate
Concen: 208.035 ug/l
RT: 6.51 min Scan# 607
Delta R.T. -0.37 min
Lab File: VF059575.D
Acq: 20 Jul 2018 00:35

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 41 Resp: 109
Ion Ratio Lower Upper
41 100
69 0.0 51.3 76.9#
39 0.0 65.3 97.9#

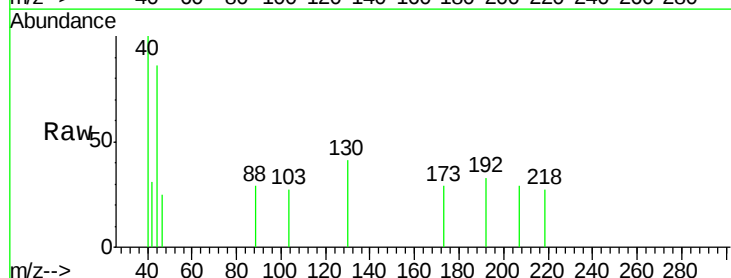


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

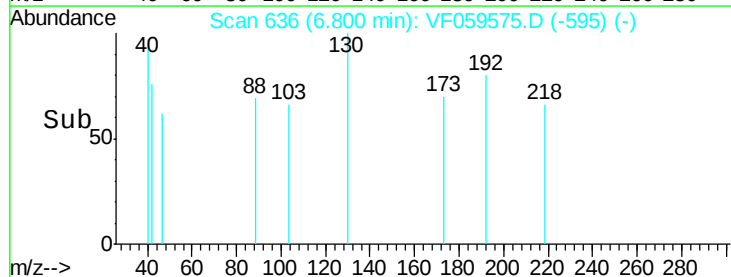
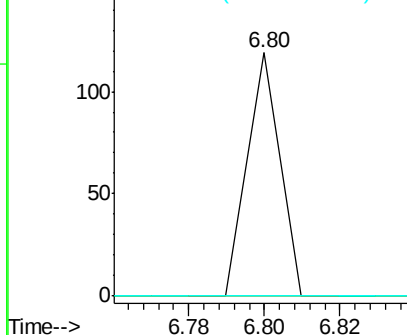


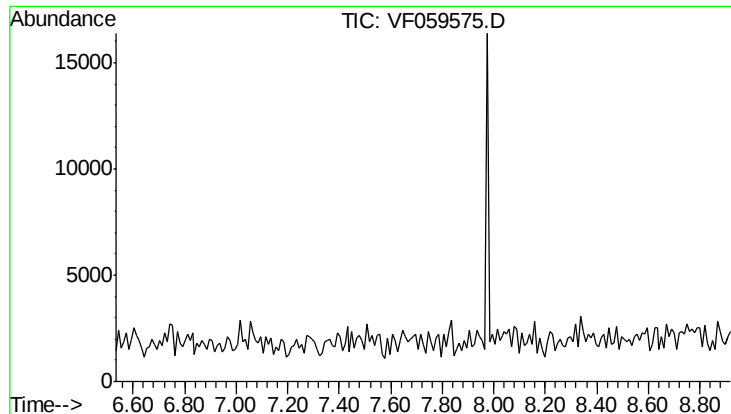
#49
1,4-Dioxane
Concen: Below Cal
RT: 6.80 min Scan# 636
Delta R.T. -0.10 min
Lab File: VF059575.D
Acq: 20 Jul 2018 00:35

Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 0.0 64.8 97.2#
58 0.0 44.1 66.1#



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

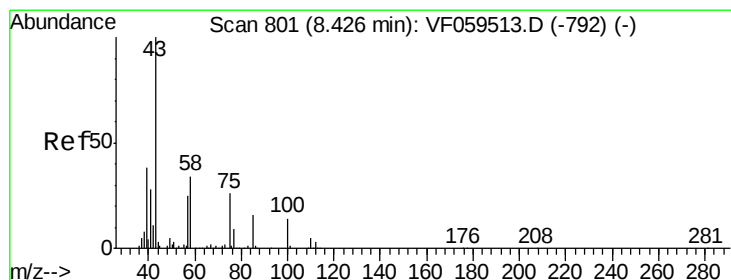
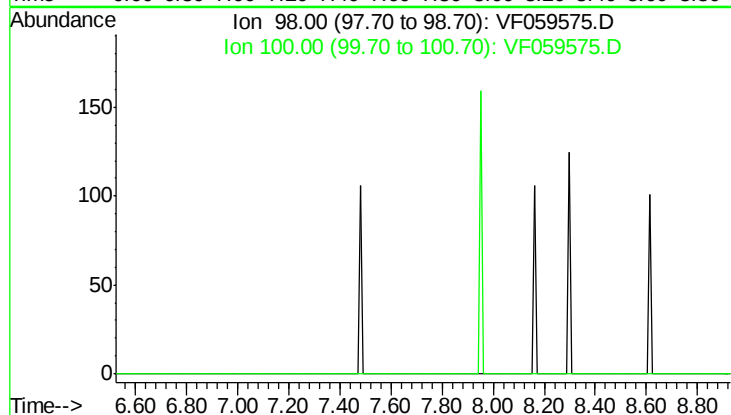




#50
 Toluene-d8
 Concen: 0.000 ug/l
 Expected RT: 7.73 min
 Lab File: VF059575.D
 Acq: 20 Jul 2018 00:35

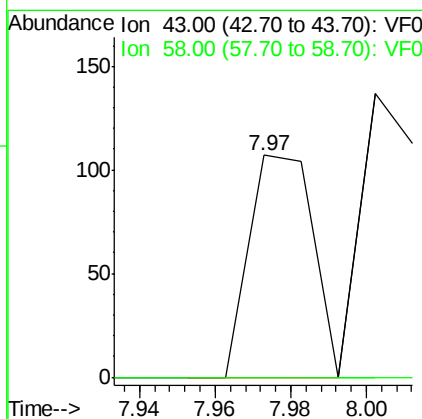
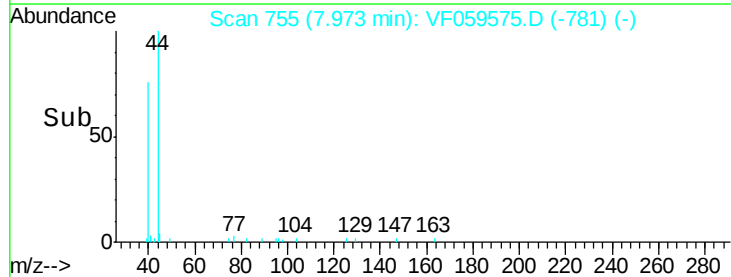
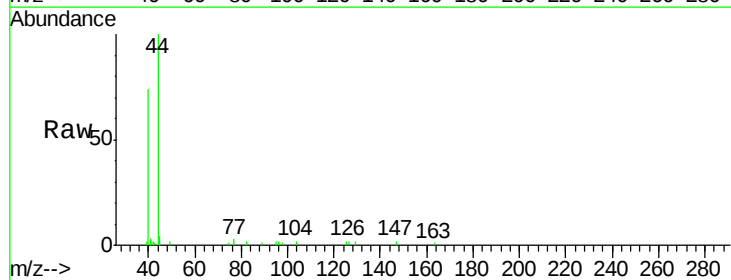
Instrument :
 MSVOA_F
 ClientSampleId :

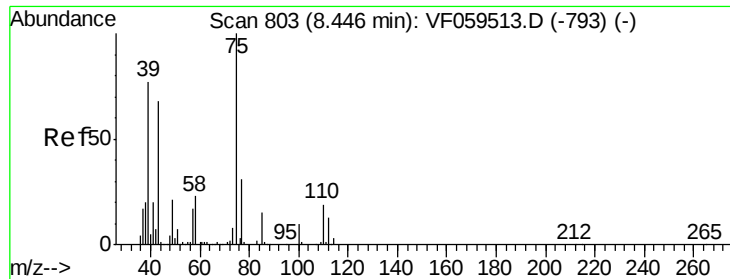
Tot Ion	98
Sig	Exp Ratio
98	100
100	63.6



#51
 4-Methyl-2-Pentanone
 Concen: 240.369 ug/l
 RT: 7.97 min Scan# 755
 Delta R.T. -0.45 min
 Lab File: VF059575.D
 Acq: 20 Jul 2018 00:35

Tgt Ion	43	Resp:	125
Ion Ratio	Lower	Upper	
43	100		
58	0.0	27.4	41.2#





#53

t-1,3-Dichloropropene

Concen: 54.833 ug/l

RT: 7.97 min Scan# 755

Delta R.T. -0.47 min

Lab File: VF059575.D

Acq: 20 Jul 2018 00:35

Instrument :

MSVOA_F

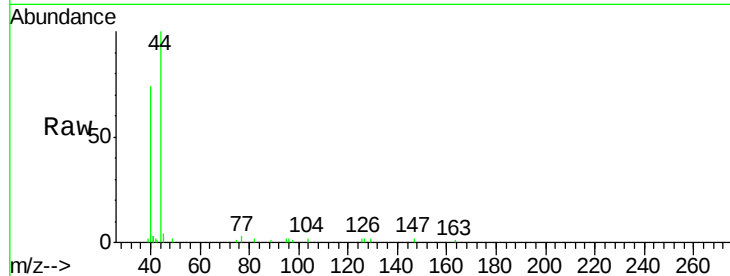
ClientSampleId :

Tot Ion: 75 Resp: 65

Ion Ratio Lower Upper

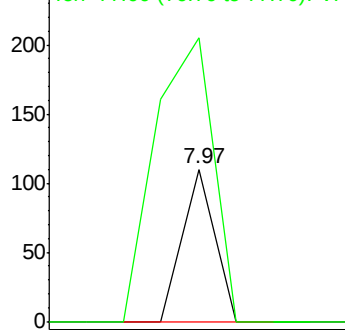
75 100

77 186.4 25.3 37.9#

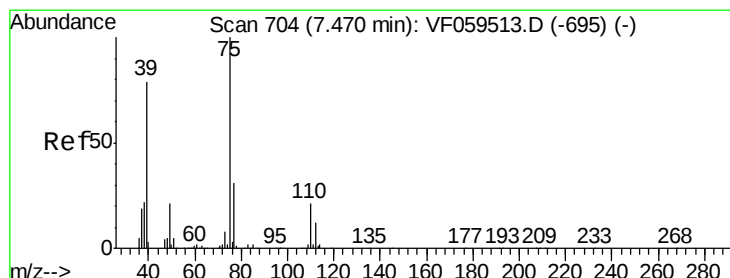
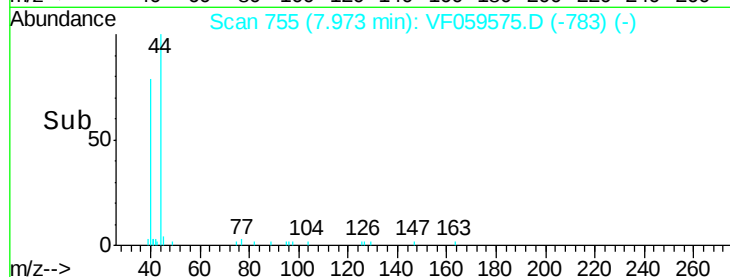


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time--> 7.94 7.96 7.98 8.00



#54

cis-1,3-Dichloropropene

Concen: 61.847 ug/l

RT: 7.04 min Scan# 660

Delta R.T. -0.43 min

Lab File: VF059575.D

Acq: 20 Jul 2018 00:35

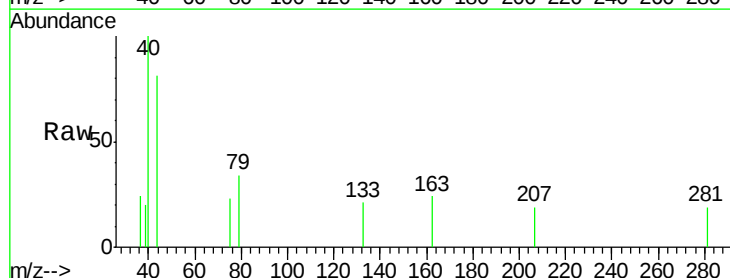
Tgt Ion: 75 Resp: 73

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

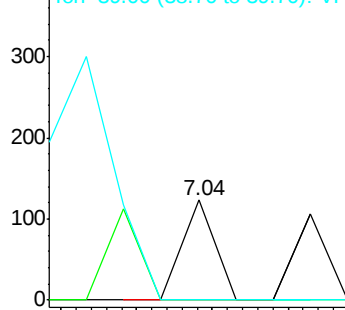
39 0.0 63.8 95.6#



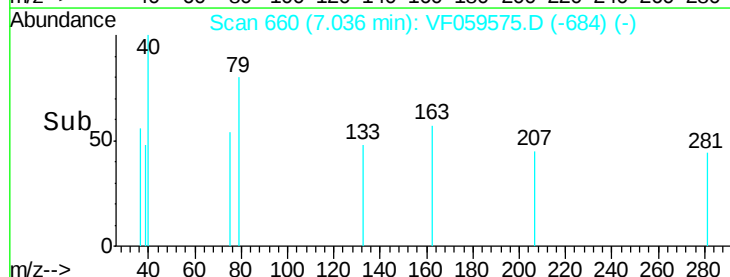
Abundance Ion 75.00 (74.70 to 75.70): VF0

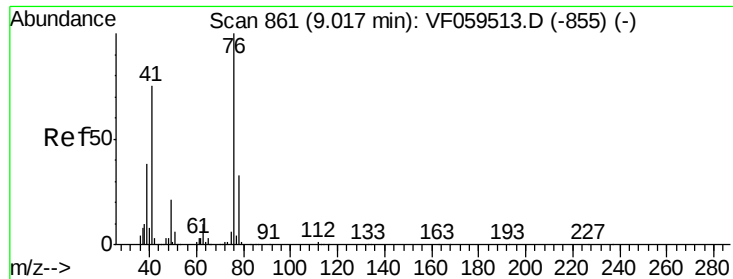
Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



Time--> 7.00 7.02 7.04 7.06





#57

1,3-Dichloropropane

Concen: 84.335 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.38 min

Lab File: VF059575.D

Acq: 20 Jul 2018 00:35

Instrument :

MSVOA_F

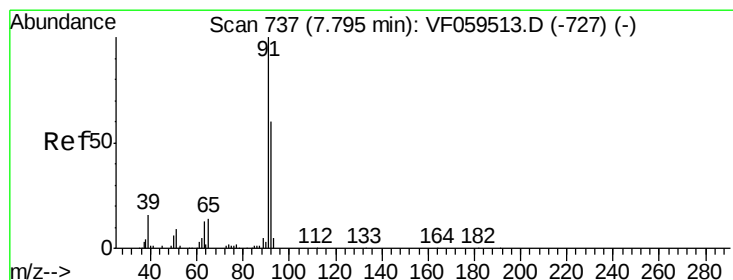
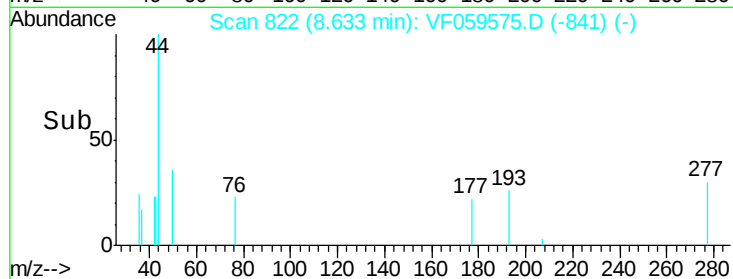
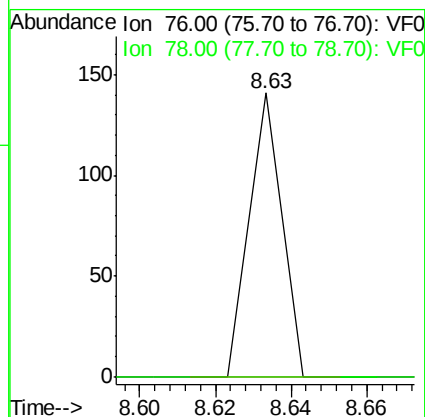
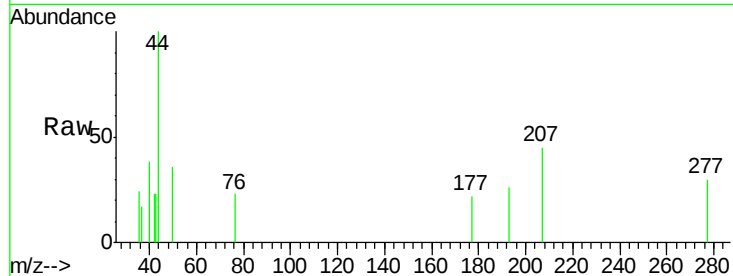
ClientSampleId :

Tot Ion: 76 Resp: 83

Ion Ratio Lower Upper

76 100

78 0.0 26.4 39.6#



#58

2-Chloroethyl Vinyl ether

Concen: 1197.939 ug/l

RT: 7.31 min Scan# 688

Delta R.T. -0.48 min

Lab File: VF059575.D

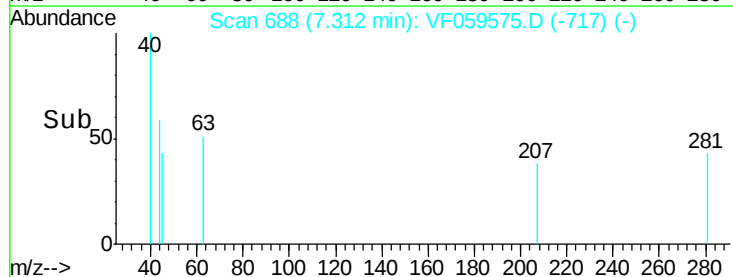
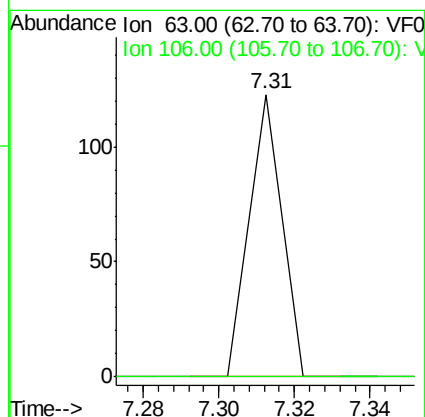
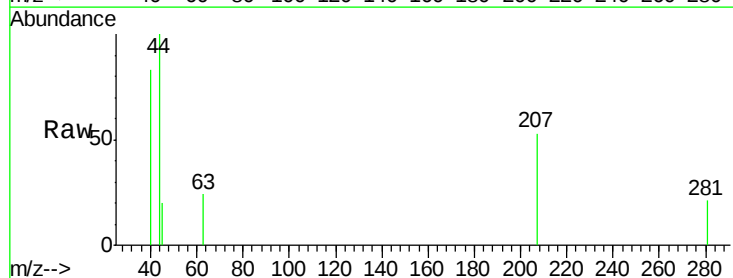
Acq: 20 Jul 2018 00:35

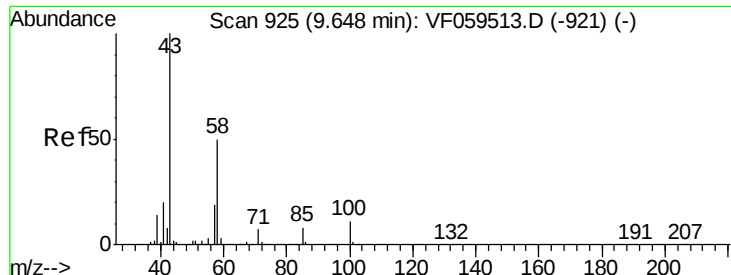
Tgt Ion: 63 Resp: 73

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

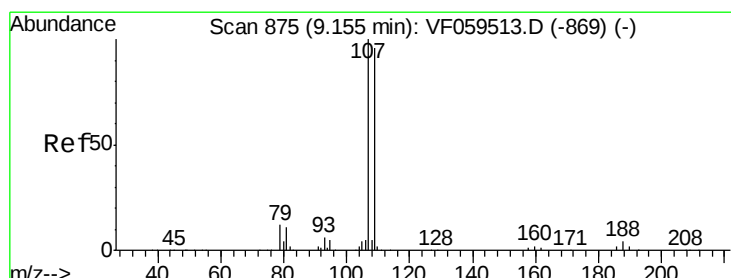
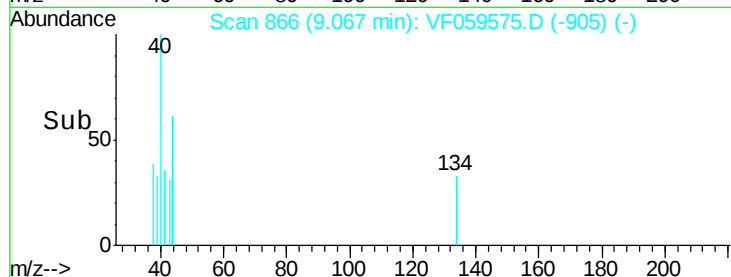
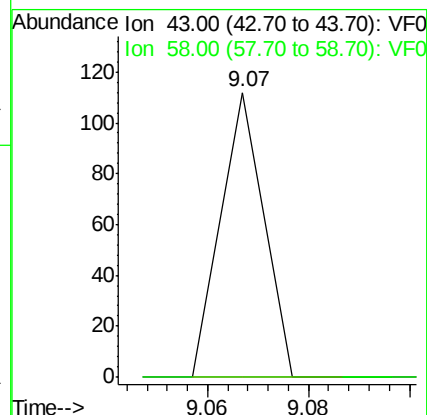
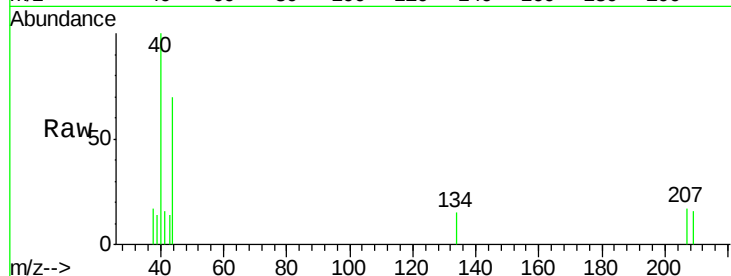




#59
2-Hexanone
Concen: 167.930 ug/l
RT: 9.07 min Scan# 866
Delta R.T. -0.58 min
Lab File: VF059575.D
Acq: 20 Jul 2018 00:35

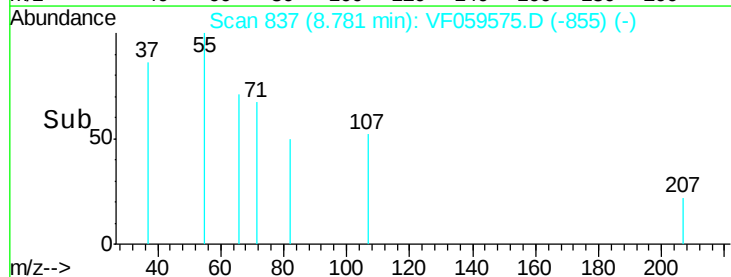
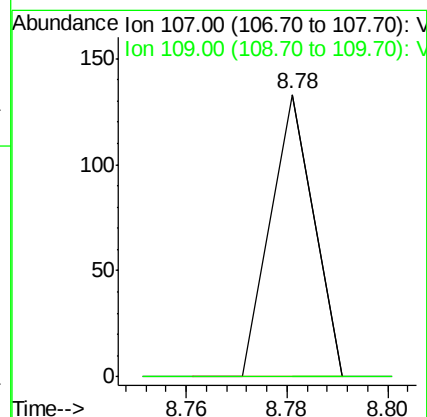
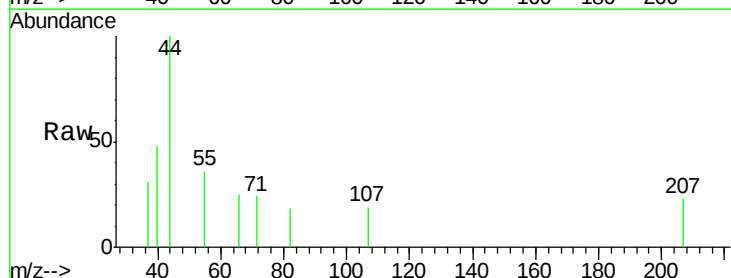
Instrument :
MSVOA_F
ClientSampleId :

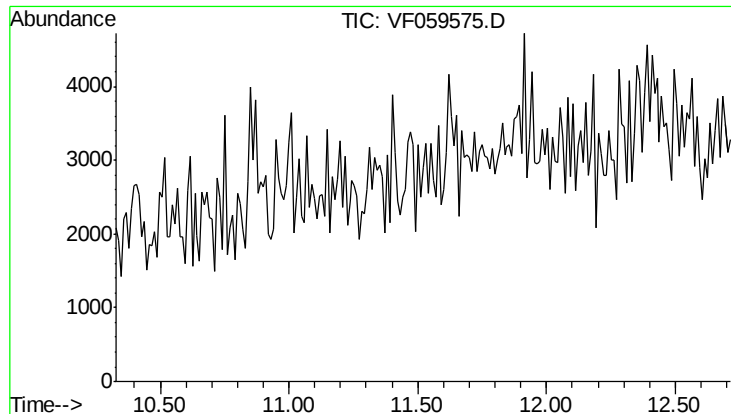
Tot Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
58 0.0 23.3 69.9#



#61
1,2-Dibromoethane
Concen: 114.391 ug/l
RT: 8.78 min Scan# 837
Delta R.T. -0.37 min
Lab File: VF059575.D
Acq: 20 Jul 2018 00:35

Tgt Ion: 107 Resp: 79
Ion Ratio Lower Upper
107 100
109 0.0 76.5 114.7#

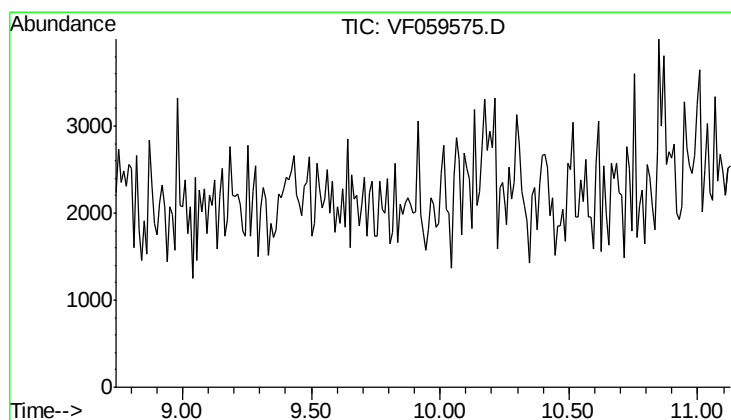
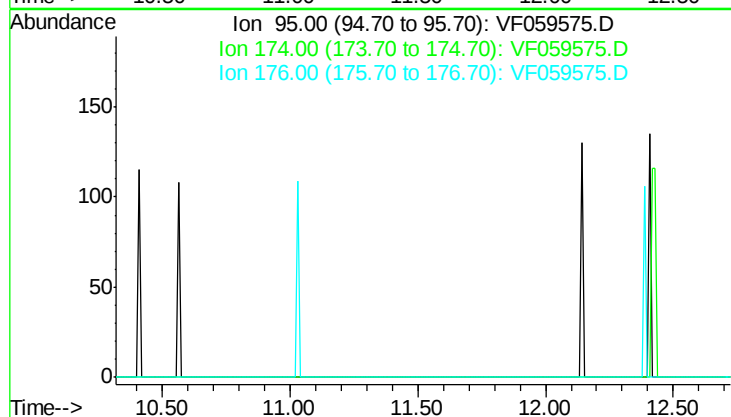




#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 11.52 min
 Lab File: VF059575.D
 Acq: 20 Jul 2018 00:35

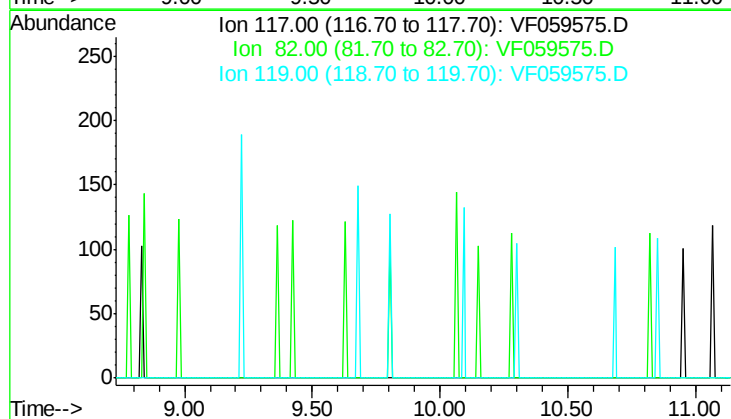
Instrument :
 MSVOA_F
 ClientSampleId :

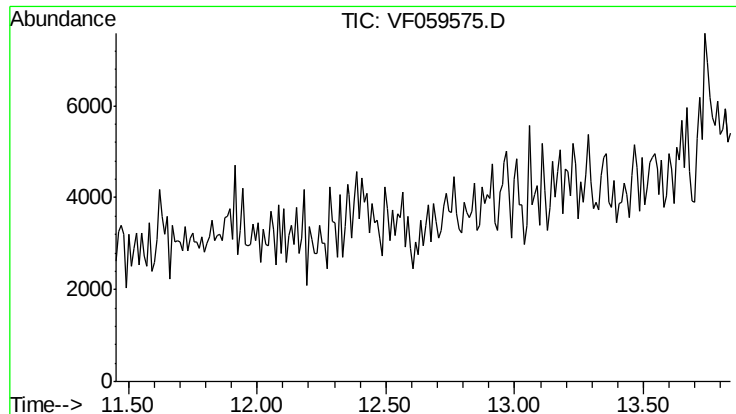
Tot Ion	95
Sig	Exp Ratio
95	100
174	87.2
176	84.7



#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 9.93 min
 Lab File: VF059575.D
 Acq: 20 Jul 2018 00:35

Tgt Ion	117
Sig	Exp Ratio
117	100
82	57.6
119	34.0





#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 12.64 min
Lab File: VF059575.D
Acq: 20 Jul 2018 00:35

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	152
Sig	Exp Ratio
152	100
115	55.5
150	159.2

