

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059583.D
 Acq On : 20 Jul 2018 4:15
 Operator : VA/AP
 Sample : J4062-25
 Misc : 5.08g/5mL/MSVOA F/SOIL
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 20 07:11:03 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	446	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.80	114	325	50.00	ug/l	0.01
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.93
72) 1,4-Dichlorobenzene-d4	12.51	152	67	50.00	ug/l	-0.13

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	4.23	113	68	24.16	ug/l	-0.07
Spiked Amount	50.000					
			Recovery	=	48.32%	
50) Toluene-d8	7.73	98	138	19.46	ug/l	0.00
Spiked Amount	50.000					
			Recovery	=	38.92%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000					
			Recovery	=	0.00%	

Target Compounds

						Qvalue
3) Chloromethane	1.10	50	130	43.237	ug/l #	44
4) Vinyl Chloride	1.17	62	79	26.040	ug/l #	43
5) Bromomethane	1.21	94	87	41.379	ug/l #	3
6) Chloroethane	1.36	64	163	106.553	ug/l #	46
7) Trichlorofluoromethane	1.61	101	87	11.718	ug/l #	20
8) Diethyl Ether	1.69	74	91	63.692	ug/l #	1
10) Methyl Iodide	1.90	142	72	13.117	ug/l #	23
11) Tert butyl alcohol	2.66	59	69	235.062	ug/l #	74
14) Allyl chloride	2.21	41	62	14.899	ug/l #	1
15) Acrylonitrile	3.09	53	60	103.099	ug/l #	63
16) Acetone	2.33	43	63	37.367	ug/l #	64
18) Methyl Acetate	2.46	43	59	26.423	ug/l #	67
19) Methyl tert-butyl Ether	2.57	73	93	8.891	ug/l #	1
20) Methylene Chloride	2.39	84	78	22.395	ug/l #	3
21) trans-1,2-Dichloroethene	2.37	96	67	21.732	ug/l #	1
22) Diisopropyl ether	2.98	45	75	6.413	ug/l #	37
23) Vinyl Acetate	3.32	43	136	19.900	ug/l #	84
25) 2-Butanone	4.48	43	237	147.166	ug/l #	60
26) 2,2-Dichloropropane	3.91	77	197	41.228	ug/l #	62
28) Bromochloromethane	3.88	49	61	19.187	ug/l #	6
29) Tetrahydrofuran	4.29	42	69	91.744	ug/l #	38
30) Chloroform	3.91	83	66	6.326	ug/l #	17
31) Cyclohexane	3.88	56	62	16.573	ug/l #	15
32) 1,1,1-Trichloroethane	4.27	97	65	9.586	ug/l #	21
36) 1,1-Dichloropropene	4.46	75	77	23.670	ug/l #	45
37) Ethyl Acetate	4.32	43	204	125.040	ug/l #	41
38) Carbon Tetrachloride	4.27	117	60	16.095	ug/l #	12
39) Methylcyclohexane	5.54	83	71	28.759	ug/l #	14
40) Benzene	4.90	78	69	10.933	ug/l #	51
41) Methacrylonitrile	4.99	41	64	68.605	ug/l #	43
43) Isopropyl Acetate	7.13	43	61	26.096	ug/l #	51
45) 1,2-Dichloropropane	6.33	63	70	39.962	ug/l #	42
46) Dibromomethane	6.31	93	64	40.120	ug/l #	3
47) Bromodichloromethane	6.42	83	78	18.995	ug/l #	25

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059583.D
 Acq On : 20 Jul 2018 4:15
 Operator : VA/AP
 Sample : J4062-25
 Misc : 5.08g/5mL/MSVOA F/SOIL
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 20 07:11:03 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

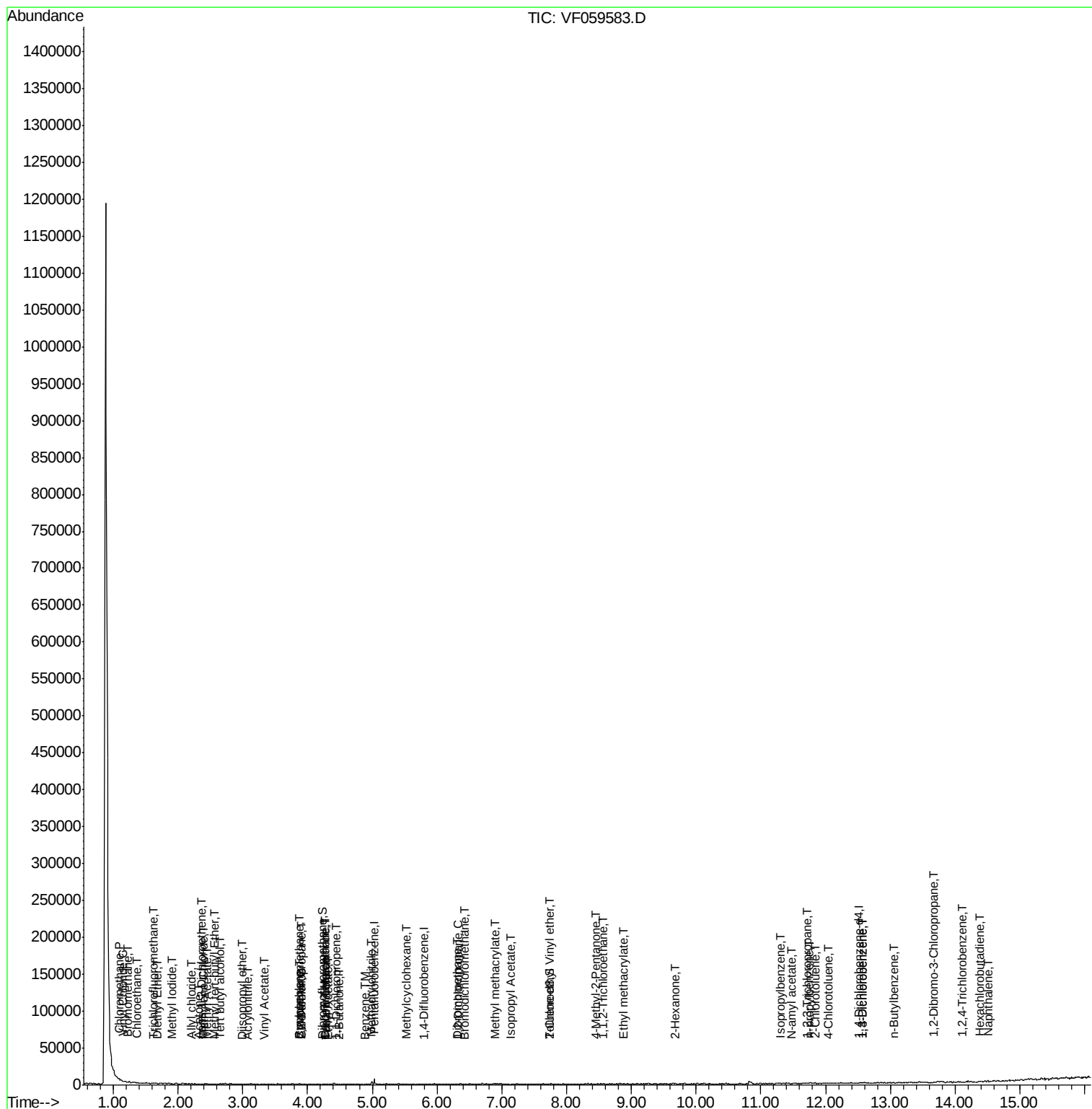
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) Methyl methacrylate	6.91	41	68	40.732	ug/l #	51
49) 1,4-Dioxane	6.57	88	73	Below Cal	#	27
51) 4-Methyl-2-Pentanone	8.44	43	61	36.814	ug/l #	40
55) 1,1,2-Trichloroethane	8.58	97	64	36.089	ug/l #	15
56) Ethyl methacrylate	8.89	69	66	30.010	ug/l #	13
58) 2-Chloroethyl Vinyl ether	7.74	63	74	381.119	ug/l	100
59) 2-Hexanone	9.69	43	491	392.087	ug/l #	30
73) Isopropylbenzene	11.30	105	83	19.632	ug/l #	51
74) N-amyl acetate	11.48	43	189	139.584	ug/l #	48
76) 1,2,3-Trichloropropane	11.72	75	61	81.008	ug/l #	38
78) n-propylbenzene	11.74	91	144	29.693	ug/l #	53
79) 2-Chlorotoluene	11.85	91	69	23.098	ug/l #	43
82) 4-Chlorotoluene	12.05	91	84	25.096	ug/l #	46
87) 1,3-Dichlorobenzene	12.57	146	66	32.464	ug/l #	23
88) 1,4-Dichlorobenzene	12.57	146	66	32.946	ug/l #	25
89) n-Butylbenzene	13.05	91	75	21.301	ug/l #	30
92) 1,2-Dibromo-3-Chloropropan	13.67	75	67	320.714	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.11	180	60	50.784	ug/l #	12
94) Hexachlorobutadiene	14.38	225	62	102.438	ug/l #	17
95) Naphthalene	14.50	128	62	25.261	ug/l #	1

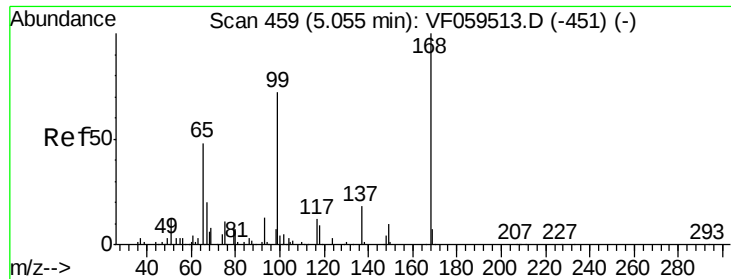
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF071918\
Data File : VF059583.D
Acq On : 20 Jul 2018 4:15
Operator : VA/AP
Sample : J4062-25
Misc : 5.08g/5mL/MSVOA F/SOIL
ALS Vial : 75 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jul 20 07:11:03 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

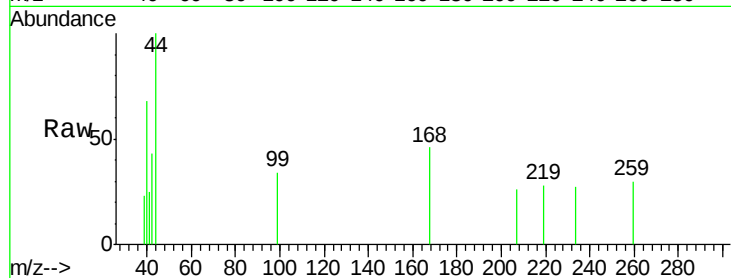
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 446

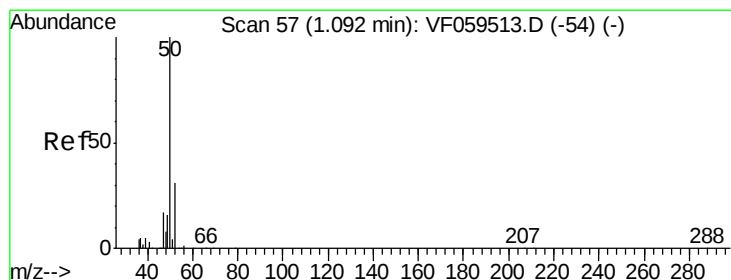
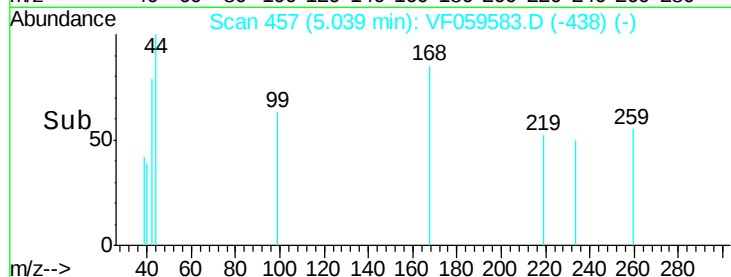
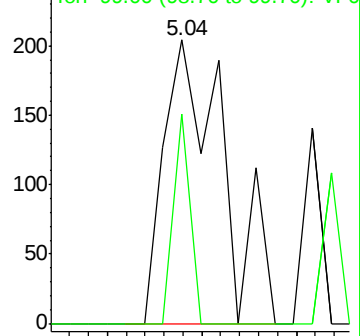
Ion Ratio Lower Upper

168 100

99 74.0 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: 43.237 ug/l

RT: 1.10 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059583.D

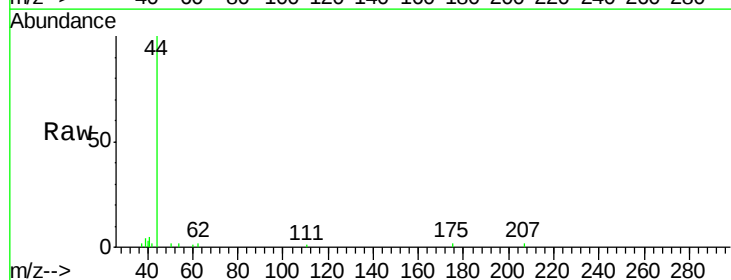
Acq: 20 Jul 2018 4:15

Tgt Ion: 50 Resp: 130

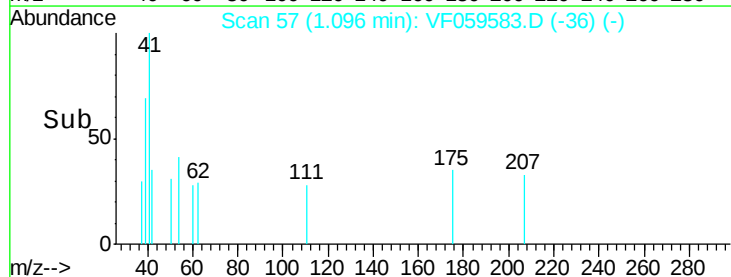
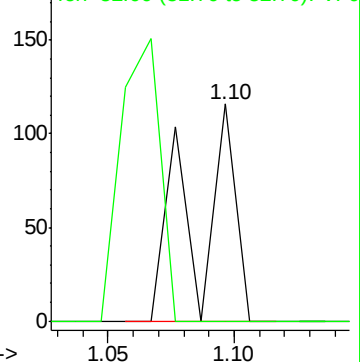
Ion Ratio Lower Upper

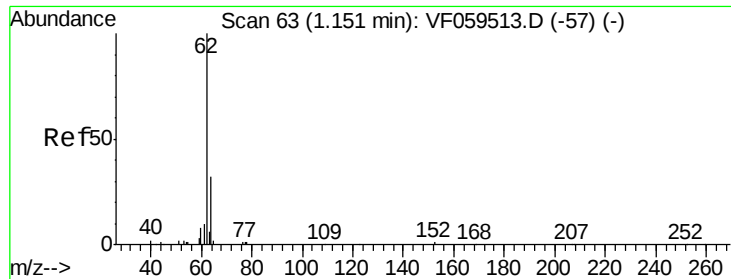
50 100

52 0.0 24.6 37.0#



Abundance Ion 50.00 (49.70 to 50.70): VF0





#4

Vinyl Chloride

Concen: 26.040 ug/l

RT: 1.17 min Scan# 64

Delta R.T. 0.01 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

Instrument :

MSVOA_F

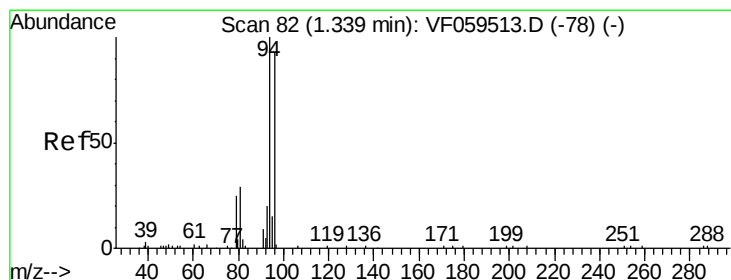
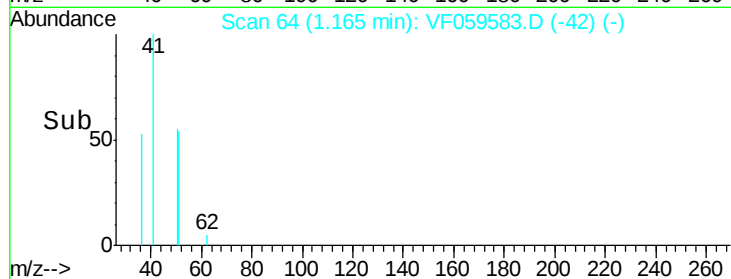
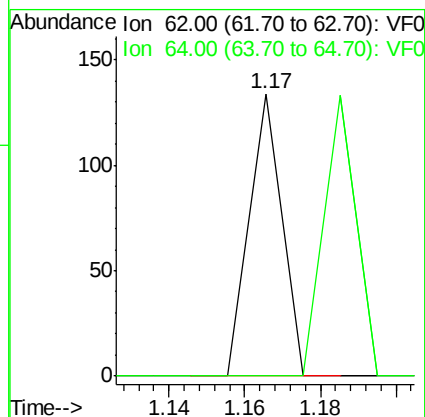
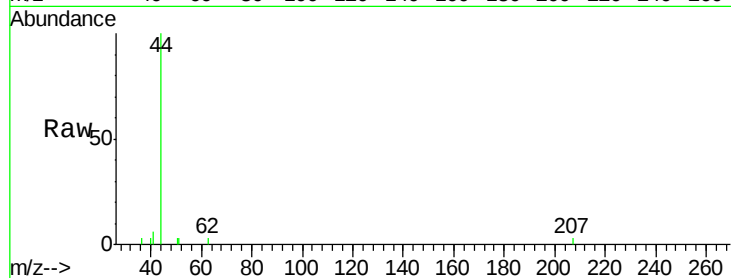
ClientSampled :

Tot Ion: 62 Resp: 79

Ion Ratio Lower Upper

62 100

64 0.0 25.7 38.5#



#5

Bromomethane

Concen: 41.379 ug/l

RT: 1.21 min Scan# 69

Delta R.T. -0.12 min

Lab File: VF059583.D

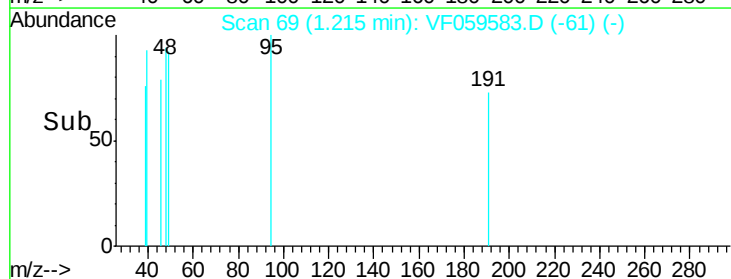
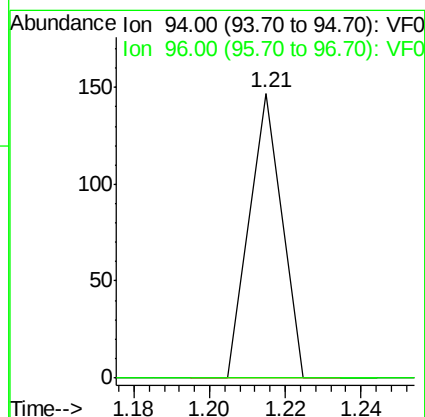
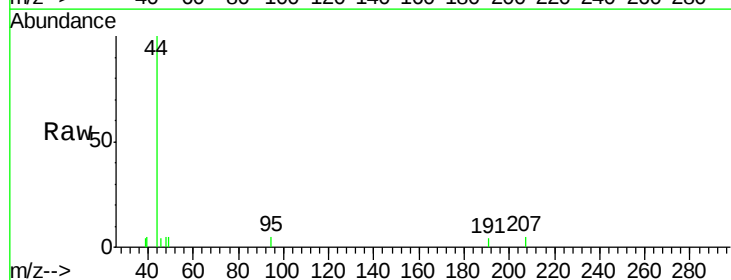
Acq: 20 Jul 2018 4:15

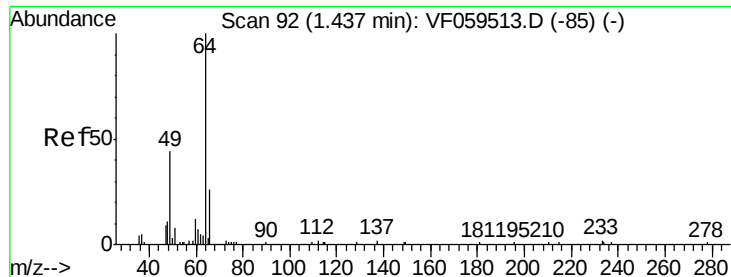
Tgt Ion: 94 Resp: 87

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#





#6

Chloroethane

Concen: 106.553 ug/l

RT: 1.36 min Scan# 84

Delta R.T. -0.07 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

Instrument :

MSVOA_F

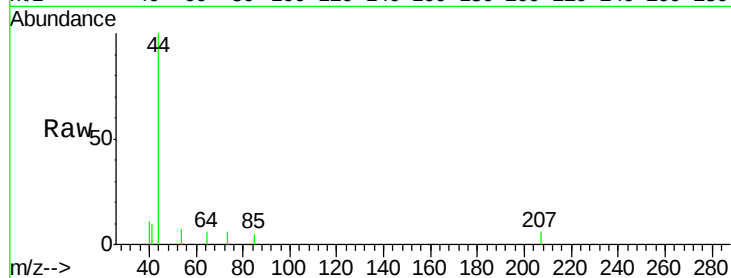
ClientSampleId :

Tot Ion: 64 Resp: 163

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

150

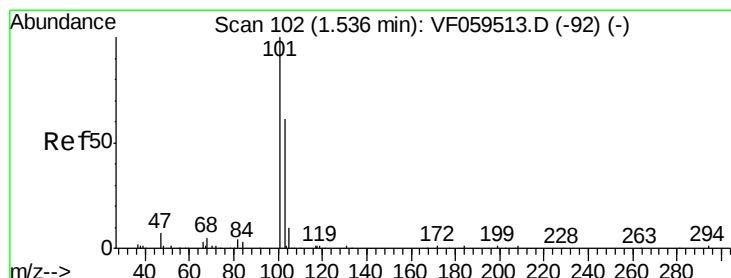
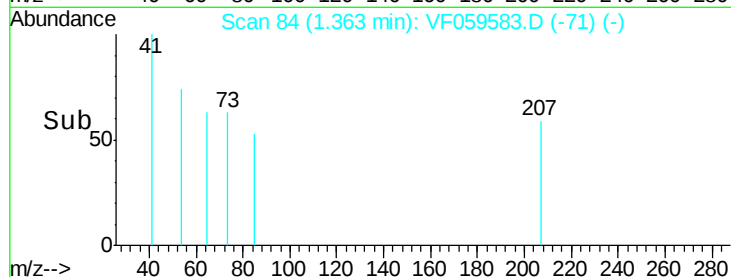
100

50

0

1.32 1.34 1.36 1.38 1.40

Time-->



#7

Trichlorofluoromethane

Concen: 11.718 ug/l

RT: 1.61 min Scan# 109

Delta R.T. 0.07 min

Lab File: VF059583.D

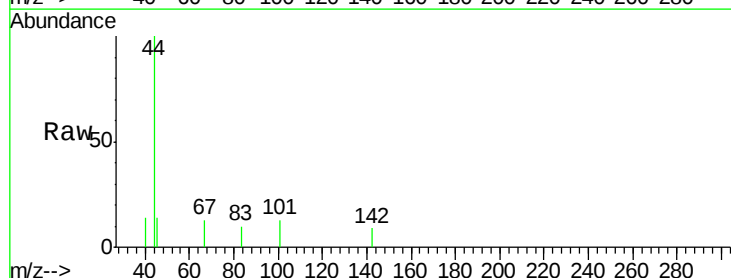
Acq: 20 Jul 2018 4:15

Tgt Ion: 101 Resp: 87

Ion Ratio Lower Upper

101 100

103 0.0 48.6 72.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

150

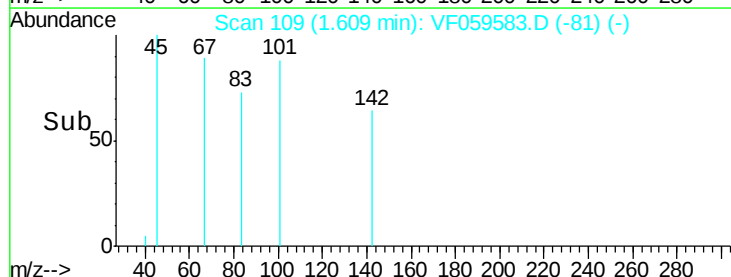
100

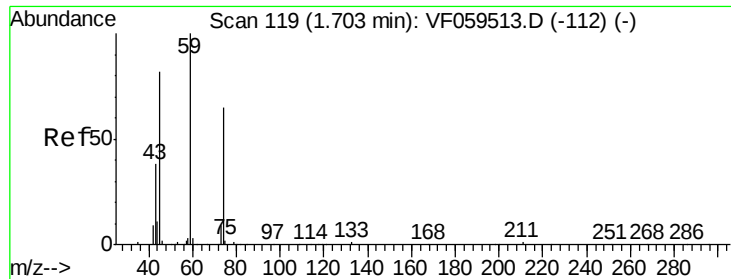
50

0

1.58 1.60 1.62 1.64

Time-->





#8

Diethyl Ether

Concen: 63.692 ug/l

RT: 1.69 min Scan# 117

Delta R.T. -0.02 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

Instrument :

MSVOA_F

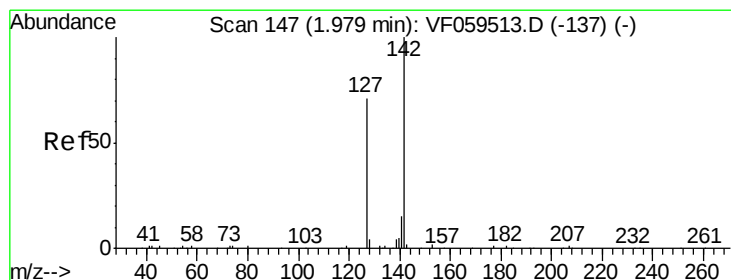
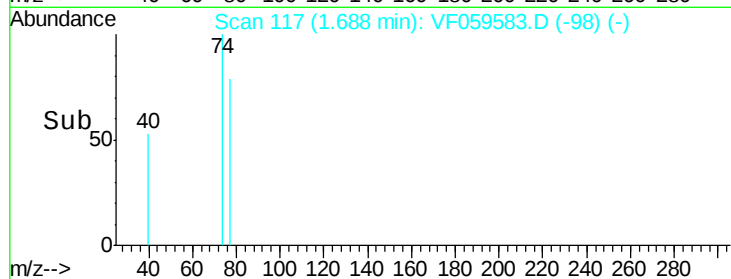
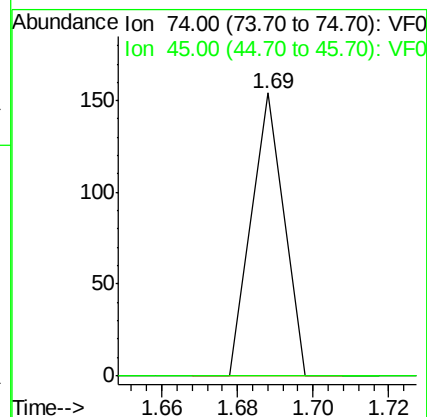
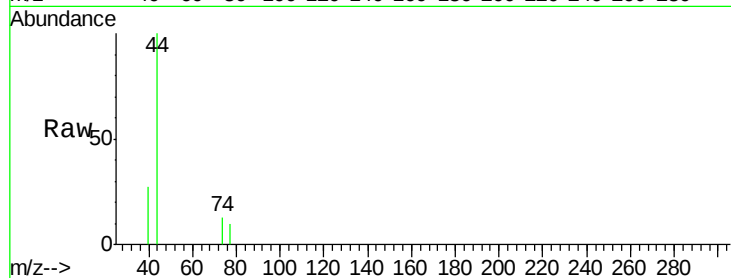
ClientSampleId :

Tot Ion: 74 Resp: 91

Ion Ratio Lower Upper

74 100

45 0.0 63.6 190.9#



#10

Methyl Iodide

Concen: 13.117 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.07 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

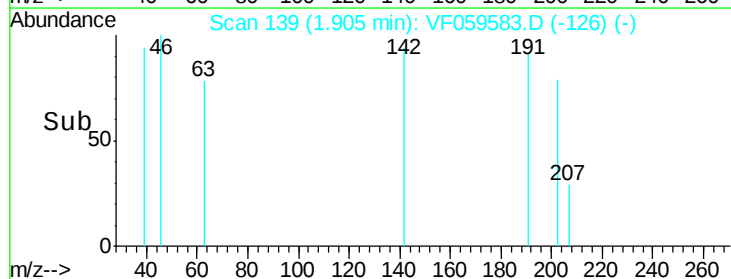
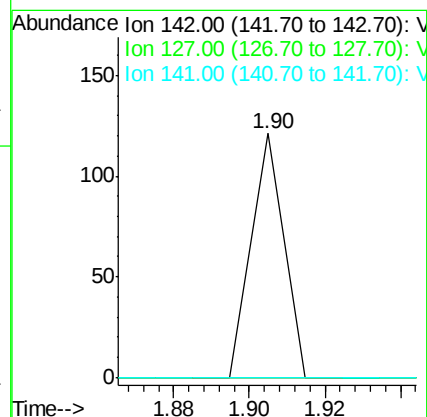
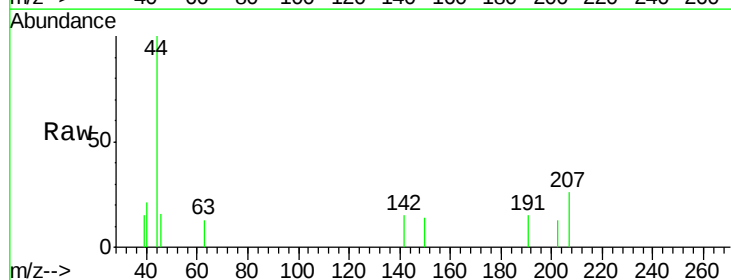
Tgt Ion: 142 Resp: 72

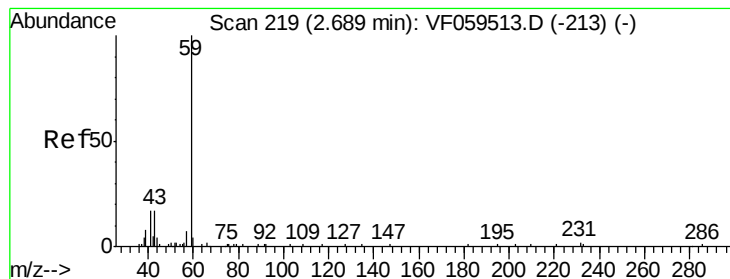
Ion Ratio Lower Upper

142 100

127 0.0 56.4 84.6#

141 0.0 12.0 18.0#



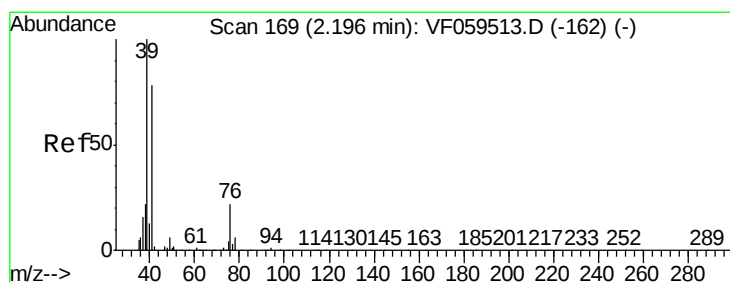
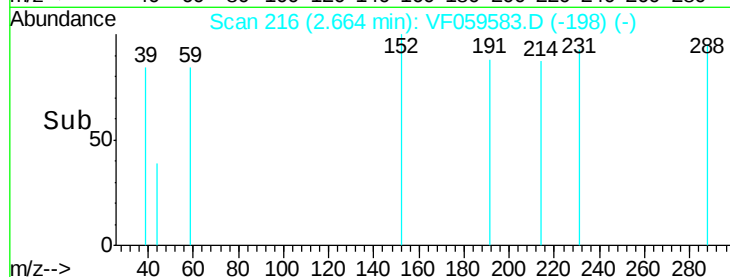
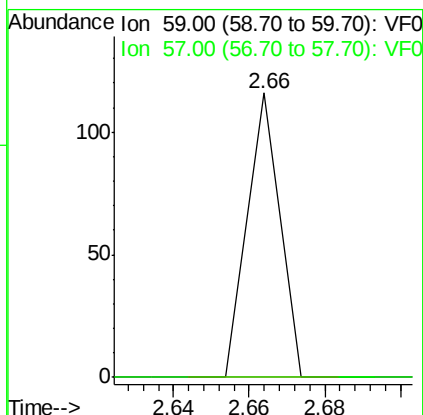
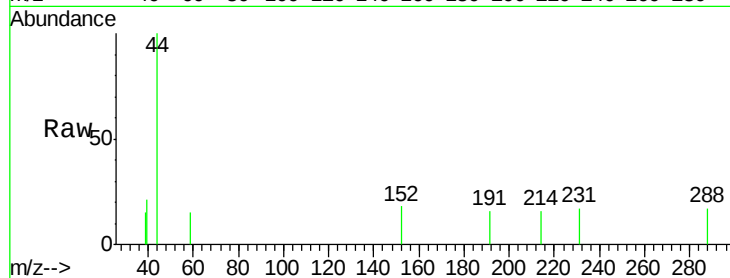


#11

Tert butyl alcohol
 Concen: 235.062 ug/l
 RT: 2.66 min Scan# 216
 Delta R.T. -0.03 min
 Lab File: VF059583.D
 Acq: 20 Jul 2018 4:15

Instrument :
 MSVOA_F
 ClientSampleId :

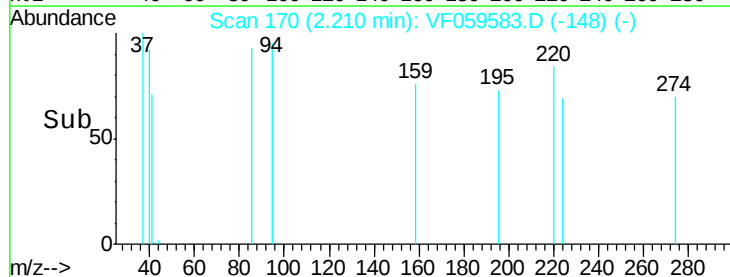
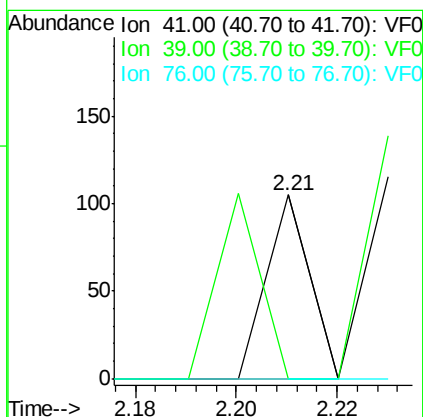
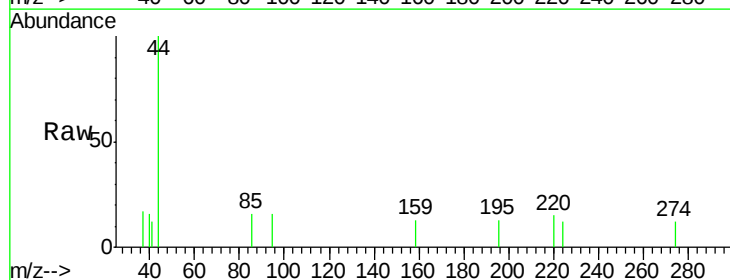
Tot Ion: 59 Resp: 69
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

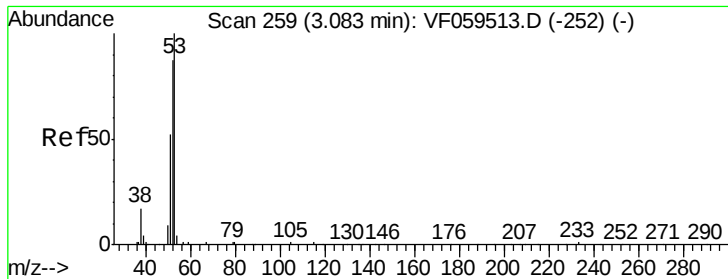


#14

Allyl chloride
 Concen: 14.899 ug/l
 RT: 2.21 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VF059583.D
 Acq: 20 Jul 2018 4:15

Tgt Ion: 41 Resp: 62
 Ion Ratio Lower Upper
 41 100
 39 0.0 103.0 154.4#
 76 0.0 22.6 34.0#





#15

Acrylonitrile

Concen: 103.099 ug/l

RT: 3.09 min Scan# 259

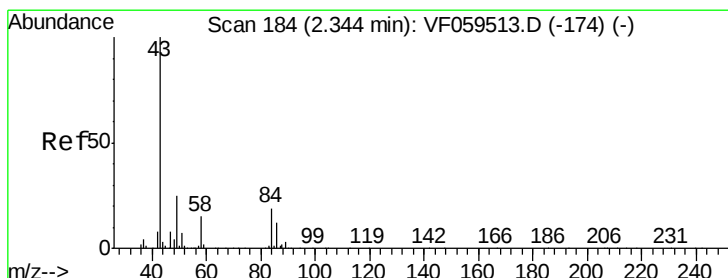
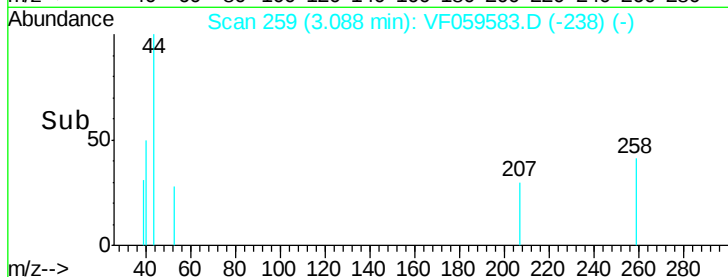
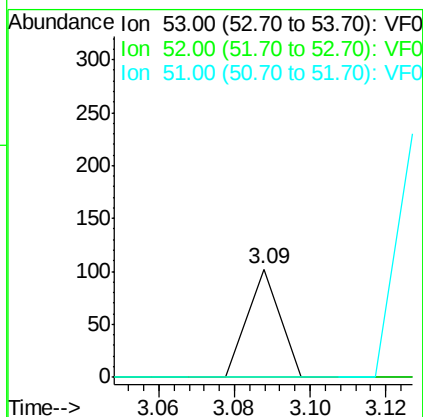
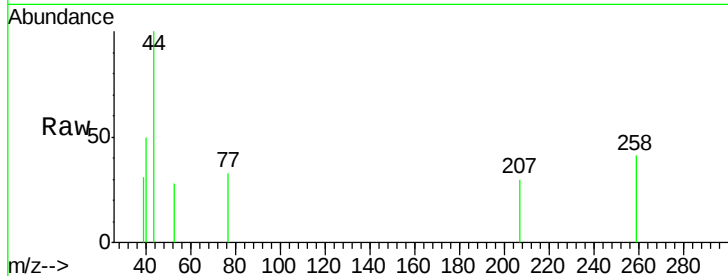
Delta R.T. 0.00 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	53	Resp:	60
Ion	Ratio	Lower	Upper
53	100		
52	100.0	70.1	105.1
51	0.0	42.5	63.7#



#16

Acetone

Concen: 37.367 ug/l

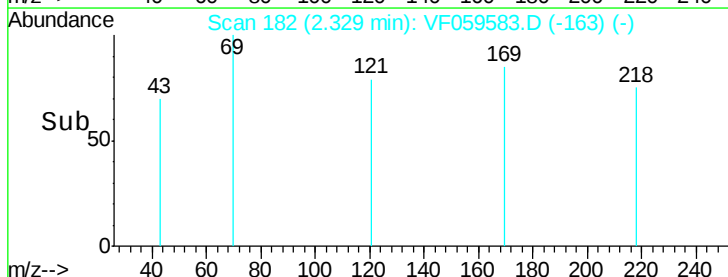
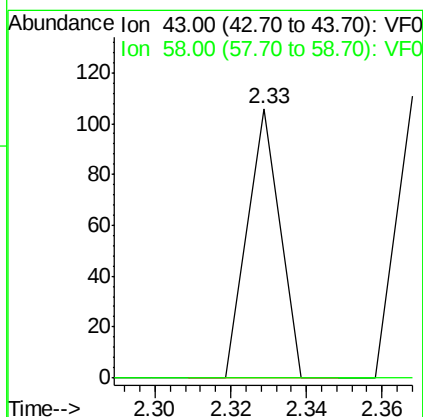
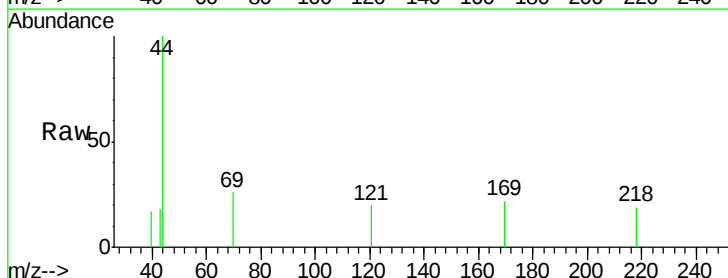
RT: 2.33 min Scan# 182

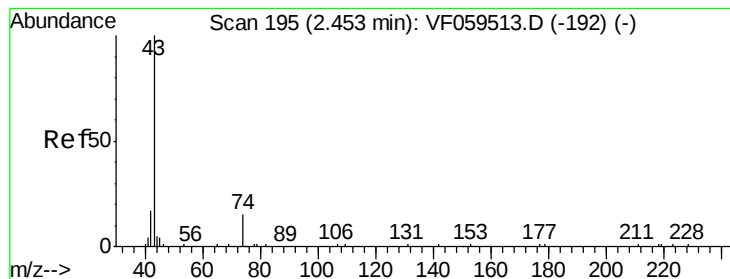
Delta R.T. -0.02 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

Tgt Ion:	43	Resp:	63
Ion	Ratio	Lower	Upper
43	100		
58	0.0	11.8	17.6#





#18

Methyl Acetate

Concen: 26.423 ug/l

RT: 2.46 min Scan# 195

Delta R.T. 0.00 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

Instrument :

MSVOA_F

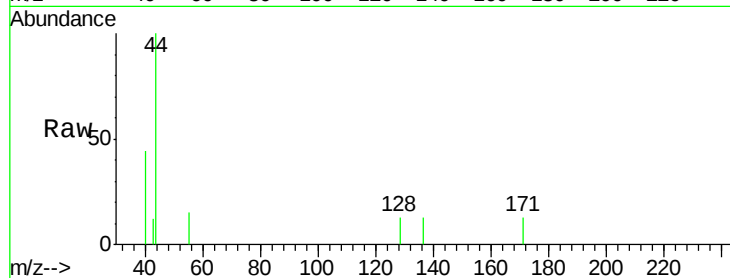
ClientSampleId :

Tot Ion: 43 Resp: 59

Ion Ratio Lower Upper

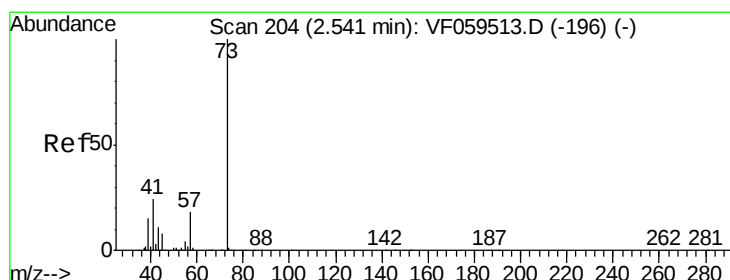
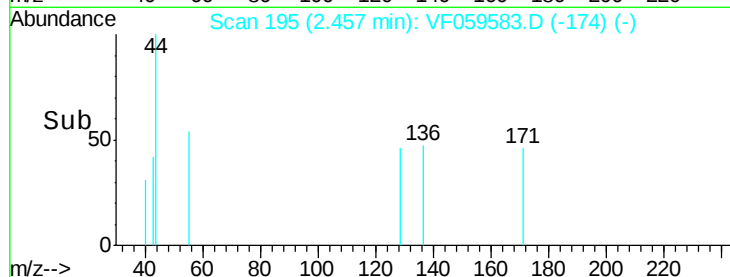
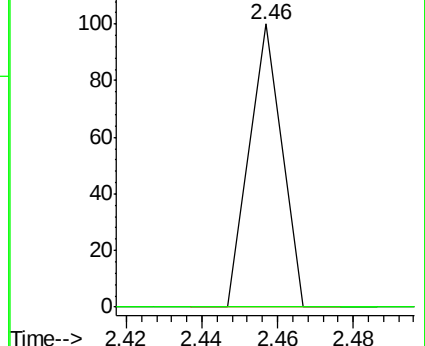
43 100

74 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



#19

Methyl tert-butyl Ether

Concen: 8.891 ug/l

RT: 2.57 min Scan# 206

Delta R.T. 0.02 min

Lab File: VF059583.D

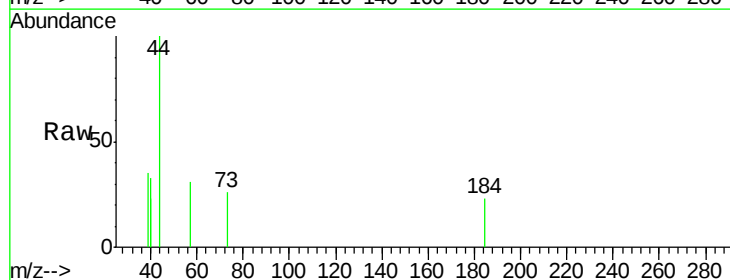
Acq: 20 Jul 2018 4:15

Tgt Ion: 73 Resp: 93

Ion Ratio Lower Upper

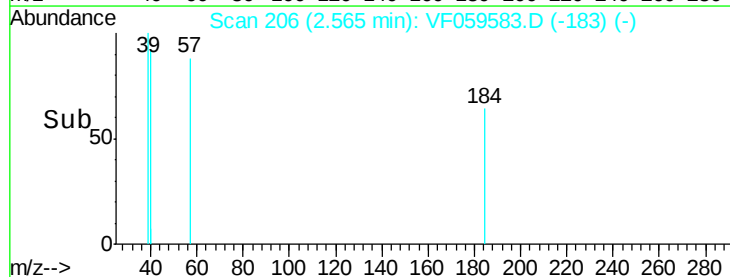
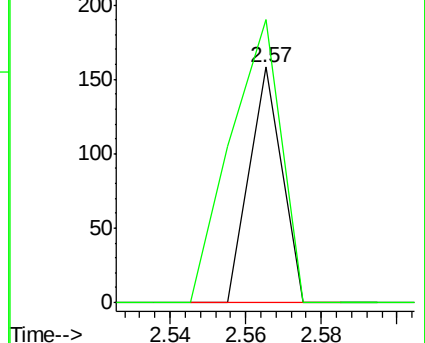
73 100

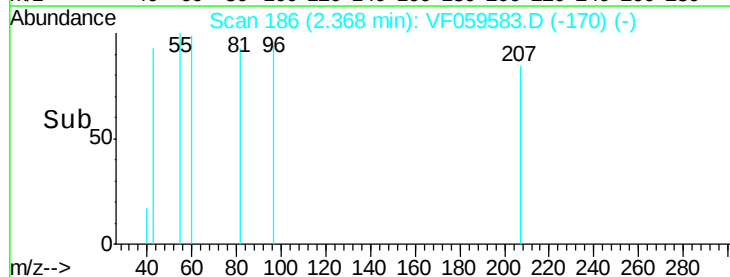
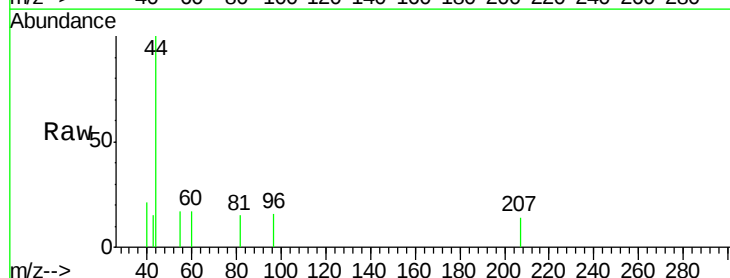
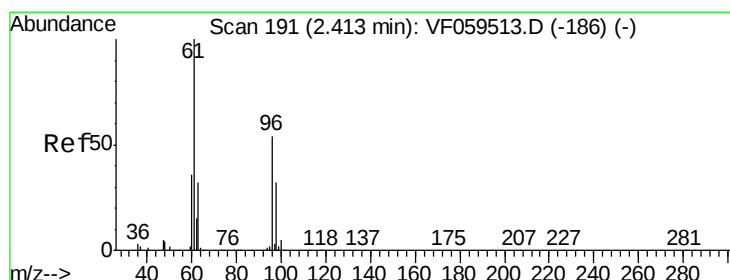
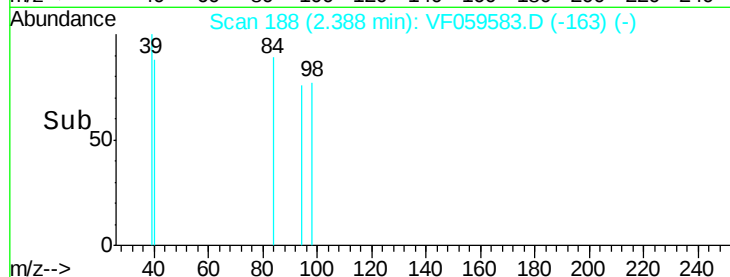
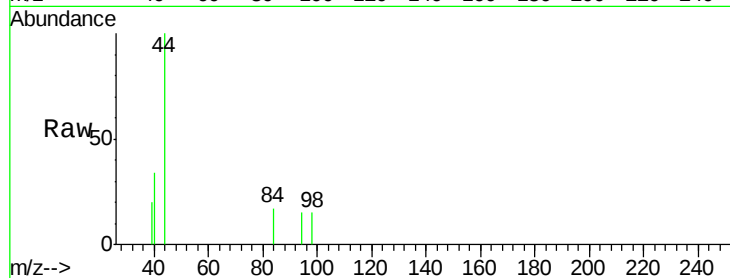
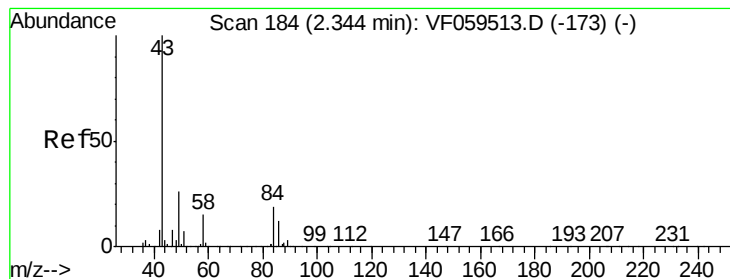
57 120.3 14.3 21.5#



Abundance Ion 73.00 (72.70 to 73.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#20

Methylene Chloride

Concen: 22.395 ug/l

RT: 2.39 min Scan# 188

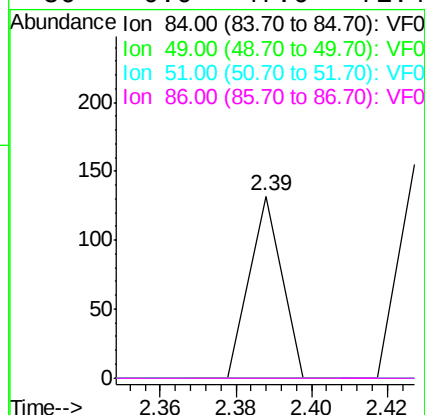
Delta R.T. 0.04 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

Tot Ion: 84 Resp: 78

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: 21.732 ug/l

RT: 2.37 min Scan# 186

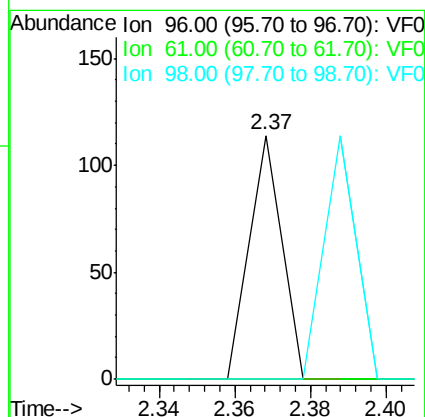
Delta R.T. -0.05 min

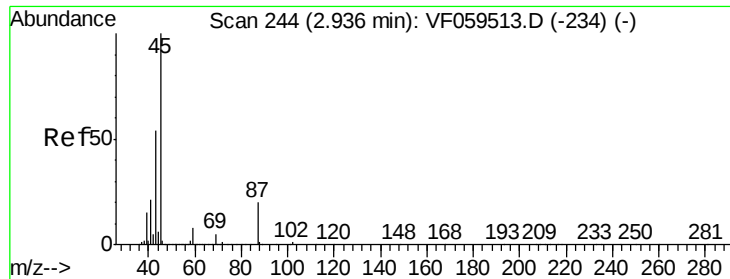
Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

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#

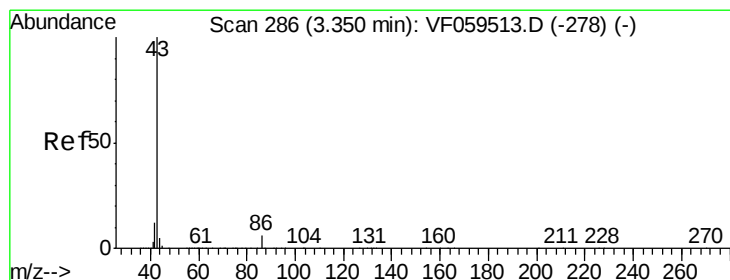
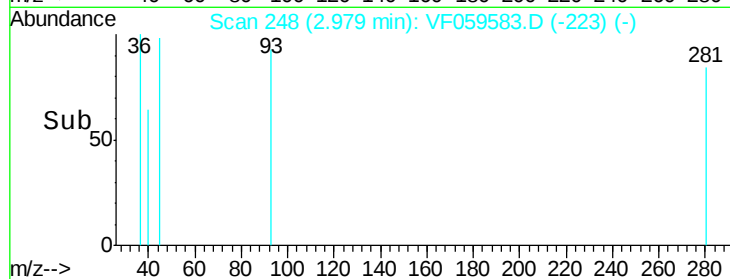
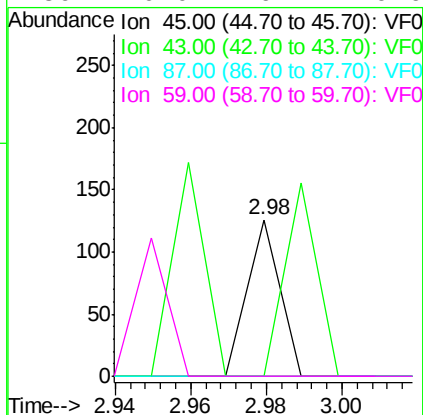
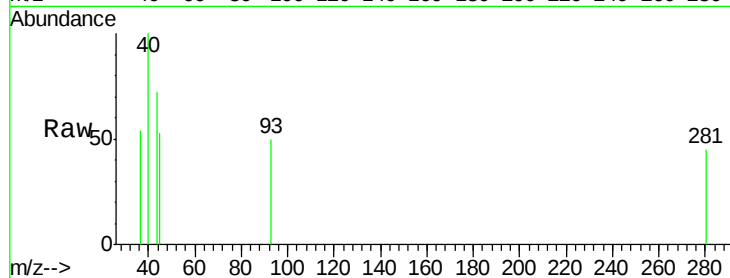




#22
Diisopropyl ether
Concen: 6.413 ug/l
RT: 2.98 min Scan# 248
Delta R.T. 0.04 min
Lab File: VF059583.D
Acq: 20 Jul 2018 4:15

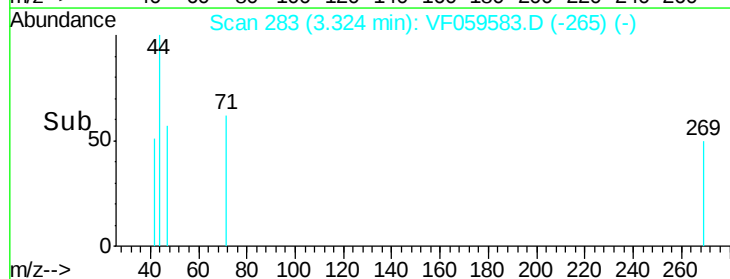
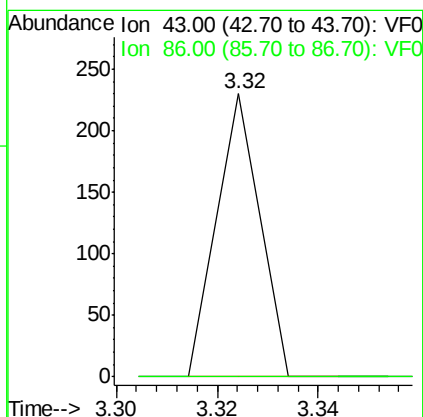
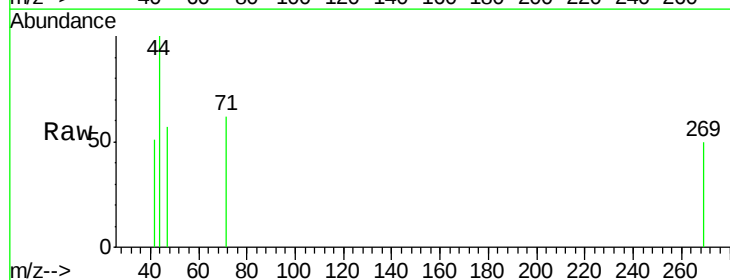
Instrument :
MSVOA_F
ClientSampled :

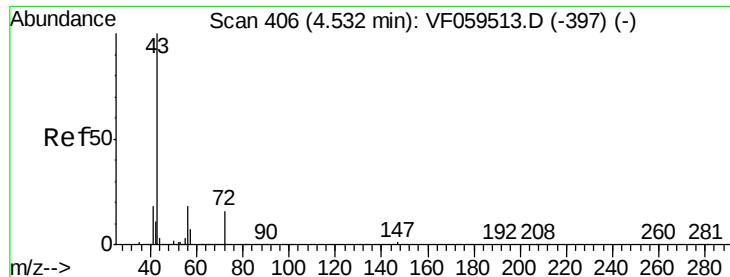
Tot Ion:	45	Resp:	75
Ion	Ratio	Lower	Upper
45	100		
43	0.0	43.6	65.4#
87	0.0	15.6	23.4#
59	0.0	6.4	9.6#



#23
Vinyl Acetate
Concen: 19.900 ug/l
RT: 3.32 min Scan# 283
Delta R.T. -0.03 min
Lab File: VF059583.D
Acq: 20 Jul 2018 4:15

Tgt Ion:	43	Resp:	136
Ion	Ratio	Lower	Upper
43	100		
86	0.0	4.4	6.6#





#25

2-Butanone

Concen: 147.166 ug/l

RT: 4.48 min Scan# 400

Delta R.T. -0.05 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

Instrument :

MSVOA_F

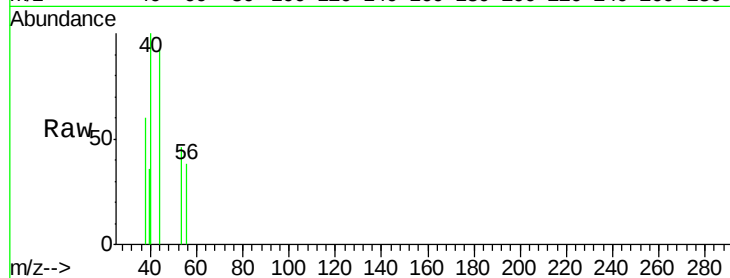
ClientSampleId :

Tot Ion: 43 Resp: 237

Ion Ratio Lower Upper

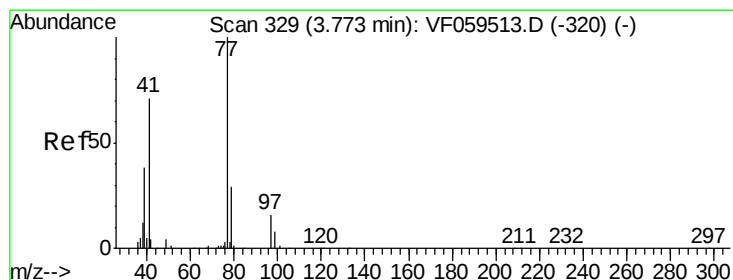
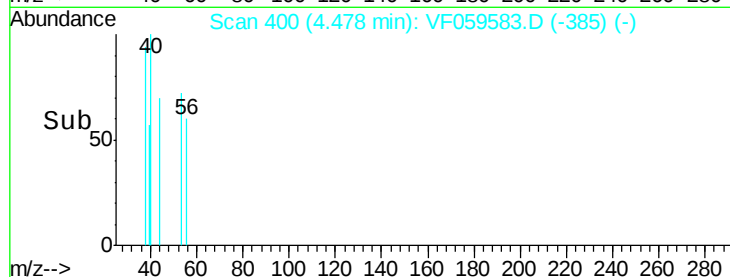
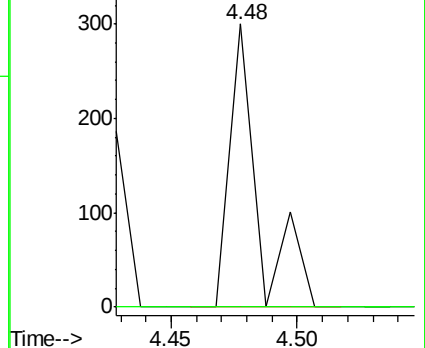
43 100

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: 41.228 ug/l

RT: 3.91 min Scan# 342

Delta R.T. 0.13 min

Lab File: VF059583.D

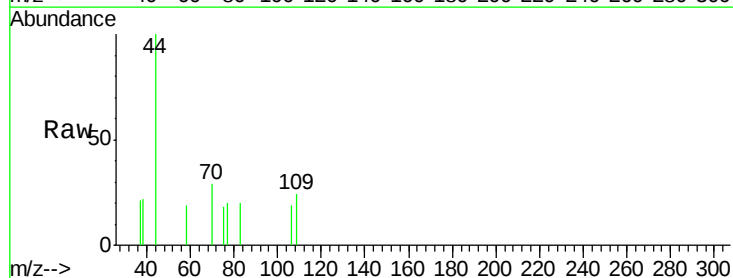
Acq: 20 Jul 2018 4:15

Tgt Ion: 77 Resp: 197

Ion Ratio Lower Upper

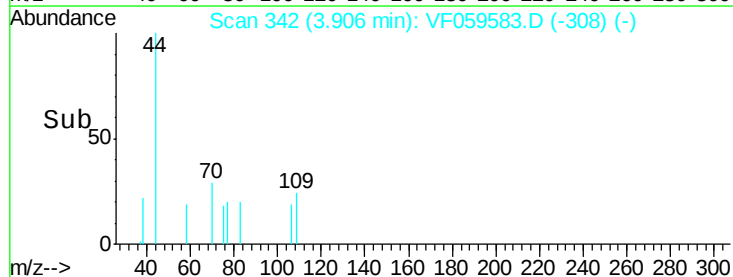
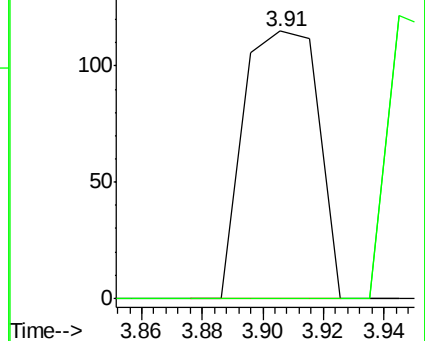
77 100

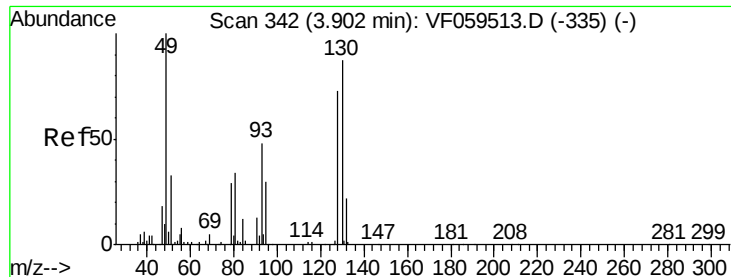
97 0.0 8.1 24.3#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#28

Bromochloromethane

Concen: 19.187 ug/l

RT: 3.88 min Scan# 339

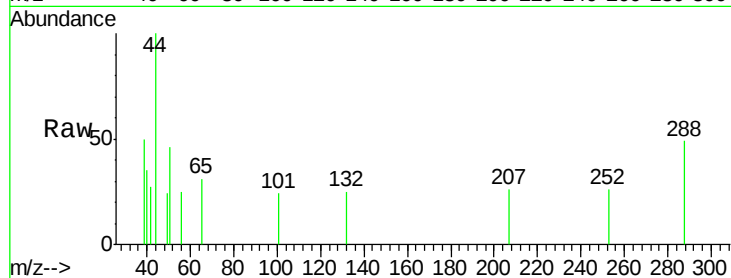
Delta R.T. -0.03 min

Lab File: VF059583.D

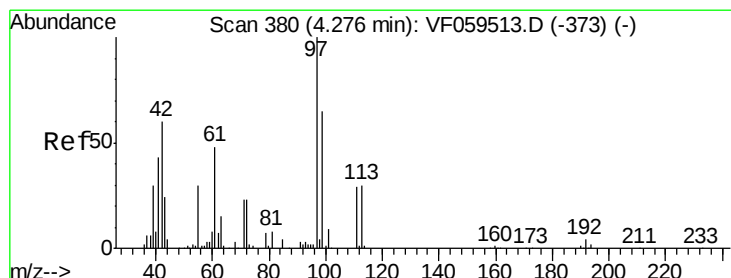
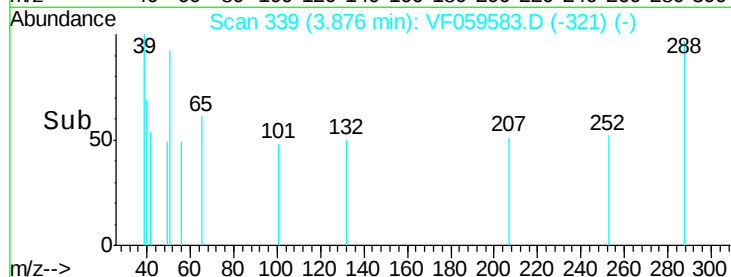
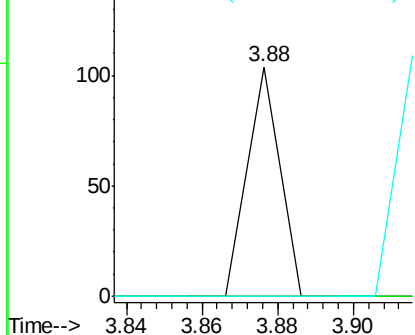
Acq: 20 Jul 2018 4:15

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 49 Resp: 61
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: 91.744 ug/l

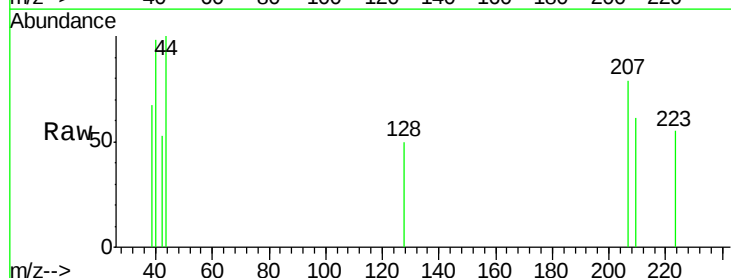
RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

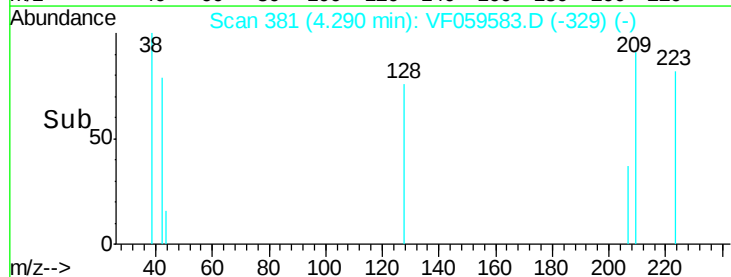
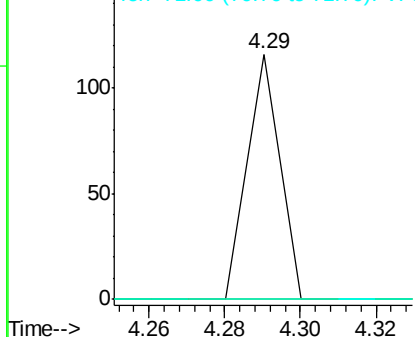
Lab File: VF059583.D

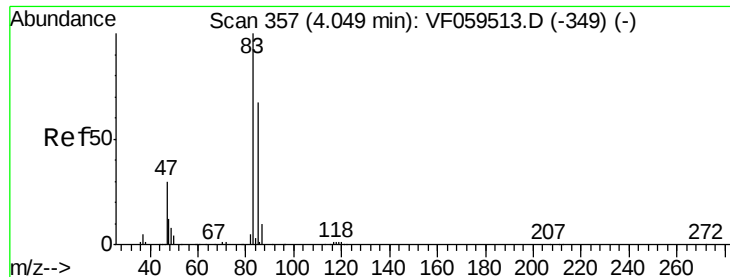
Acq: 20 Jul 2018 4:15

Tgt Ion: 42 Resp: 69
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

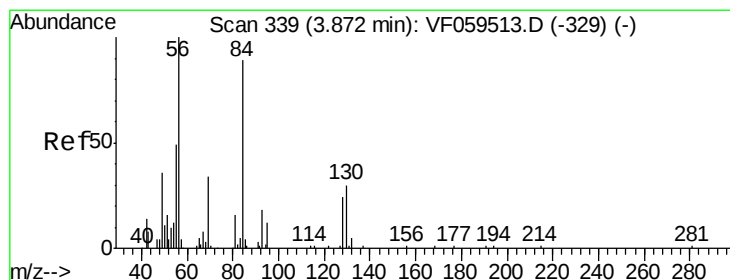
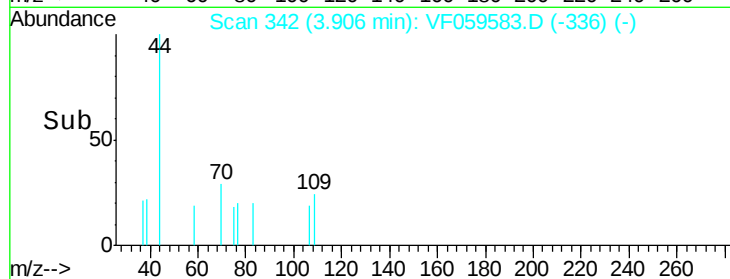
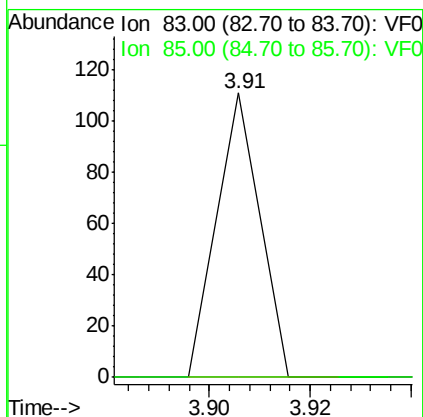
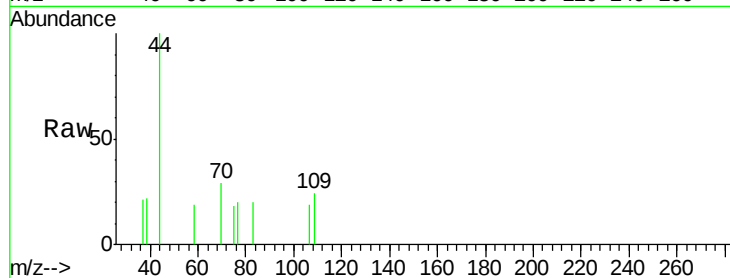




#30
Chloroform
Concen: 6.326 ug/l
RT: 3.91 min Scan# 342
Delta R.T. -0.14 min
Lab File: VF059583.D
Acq: 20 Jul 2018 4:15

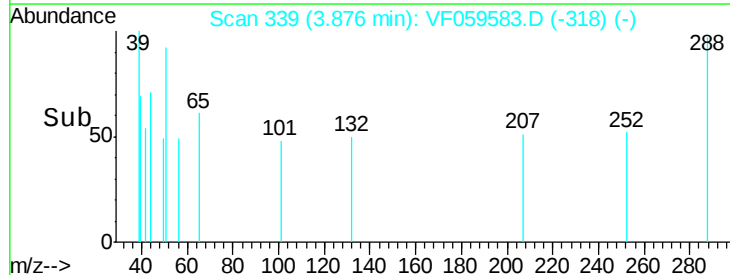
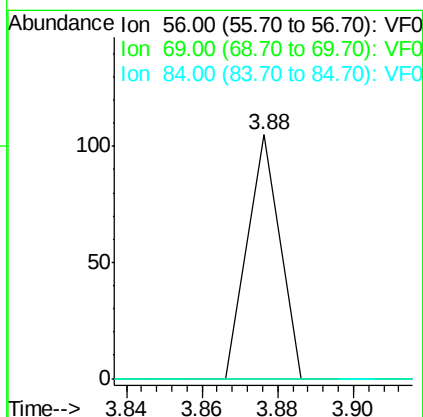
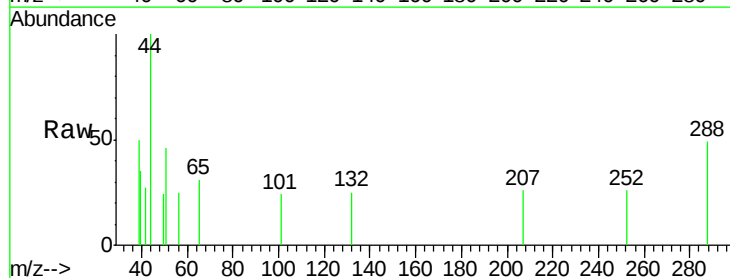
Instrument :
MSVOA_F
ClientSampleId :

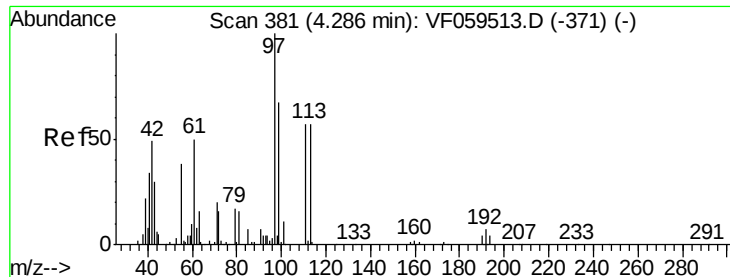
Tot Ion: 83 Resp: 66
Ion Ratio Lower Upper
83 100
85 0.0 53.2 79.8#



#31
Cyclohexane
Concen: 16.573 ug/l
RT: 3.88 min Scan# 339
Delta R.T. 0.00 min
Lab File: VF059583.D
Acq: 20 Jul 2018 4:15

Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
69 0.0 27.6 41.4#
84 0.0 71.4 107.2#





#32

1,1,1-Trichloroethane

Concen: 9.586 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.02 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

Instrument :

MSVOA_F

ClientSampleId :

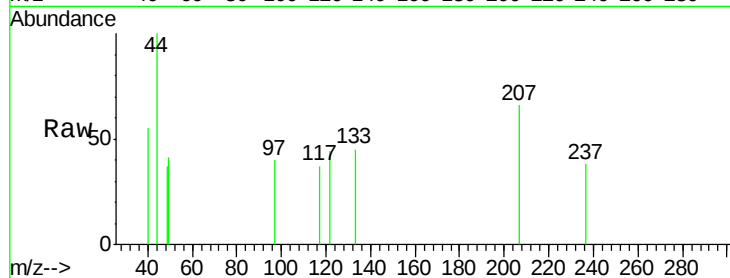
Tot Ion: 97 Resp: 65

Ion Ratio Lower Upper

97 100

99 0.0 53.5 80.3#

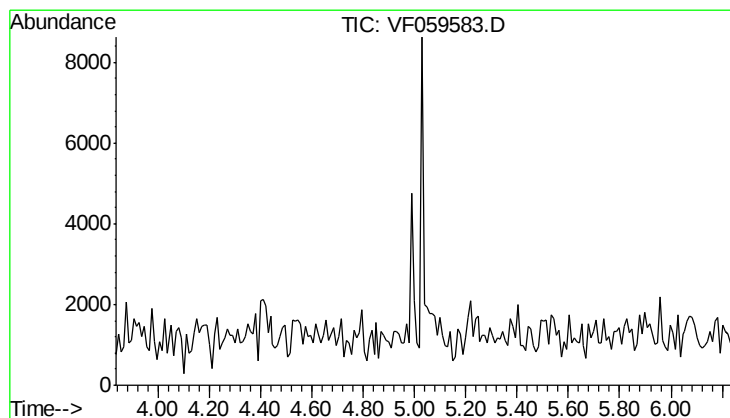
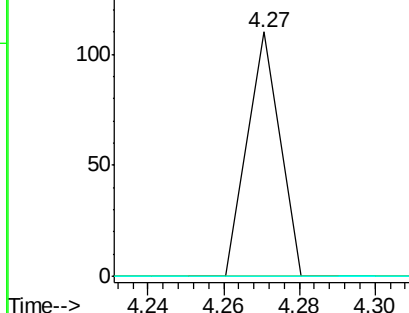
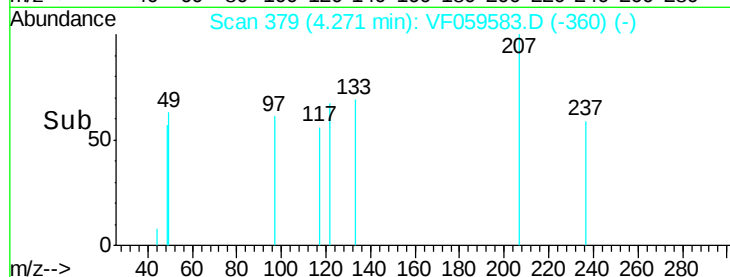
61 0.0 39.7 59.5#



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



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 5.04 min

Lab File: VF059583.D

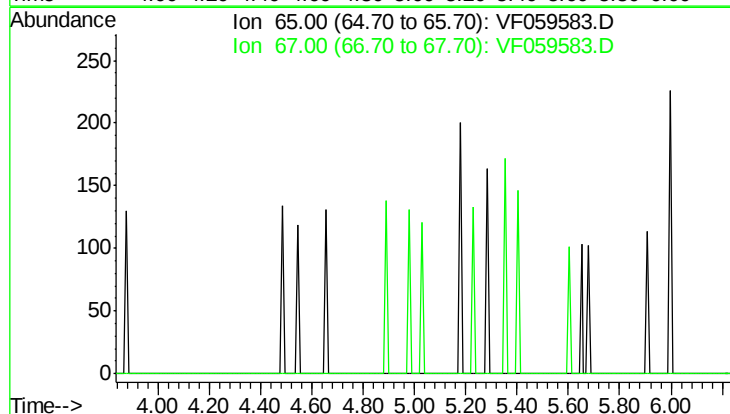
Acq: 20 Jul 2018 4:15

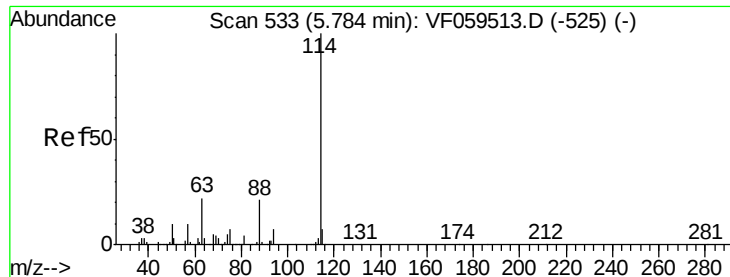
Tgt Ion: 65

Sig Exp Ratio

65 100

67 45.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.01 min

Lab File: VF059583.D

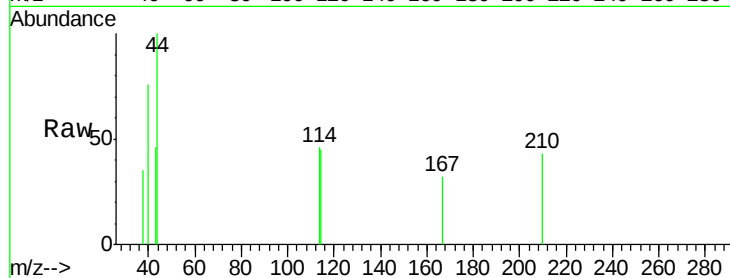
Acq: 20 Jul 2018 4:15

Instrument :

MSVOA_F

ClientSampleId :

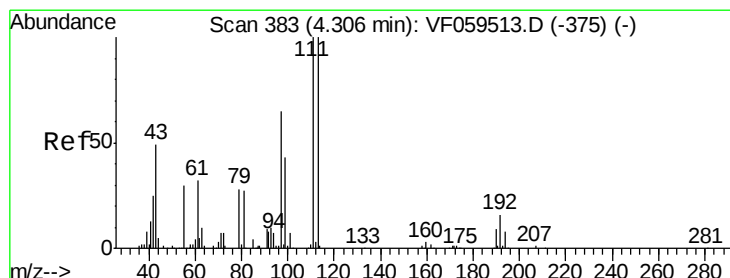
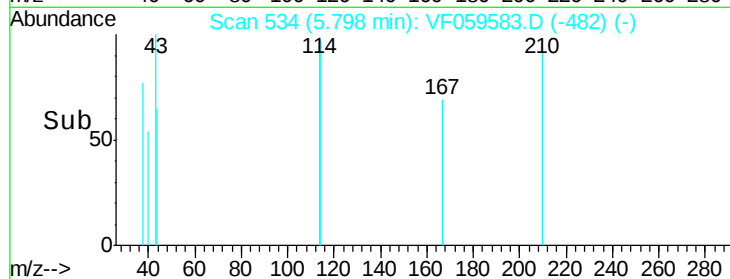
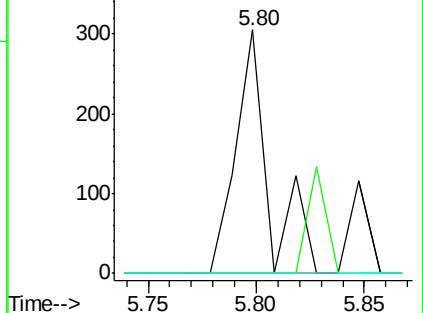
Tot Ion:	114	Resp:	325
Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	44.8
88	0.0	0.0	42.6



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: 24.158 ug/l

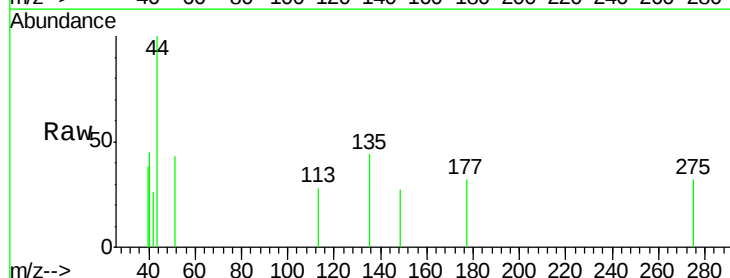
RT: 4.23 min Scan# 375

Delta R.T. -0.07 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

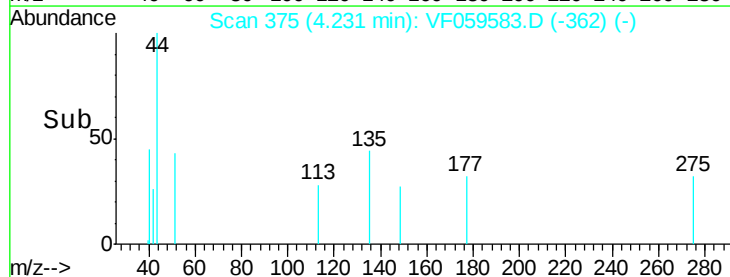
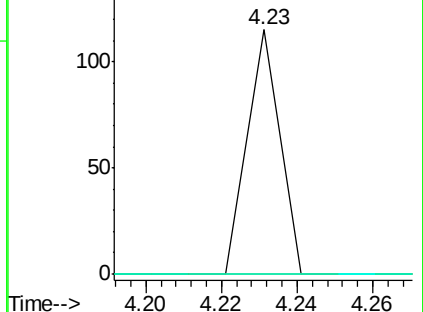
Tgt Ion:	113	Resp:	68
Ion	Ratio	Lower	Upper
113	100		
111	0.0	80.3	120.5#
192	0.0	13.1	19.7#

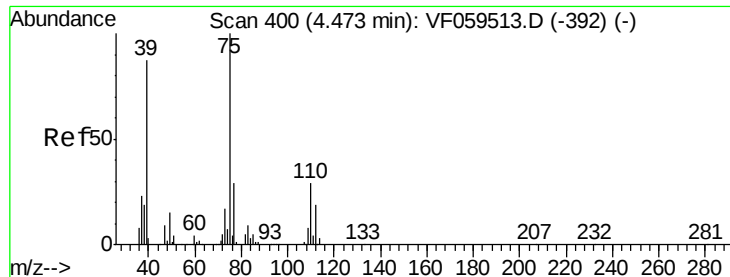


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#36

1,1-Dichloropropene

Concen: 23.670 ug/l

RT: 4.46 min Scan# 398

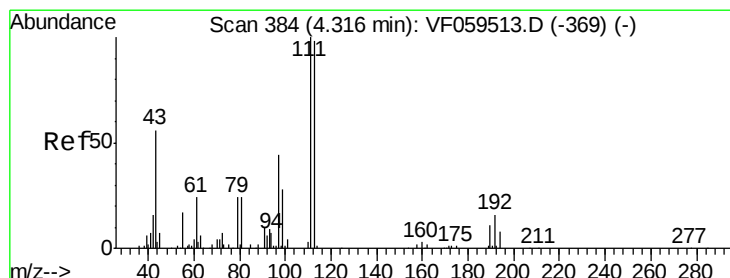
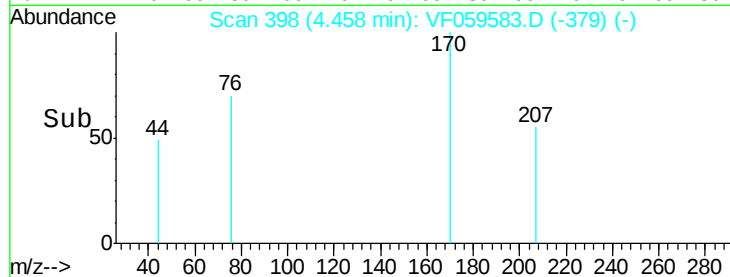
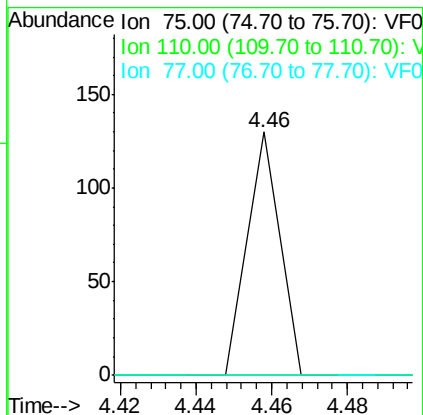
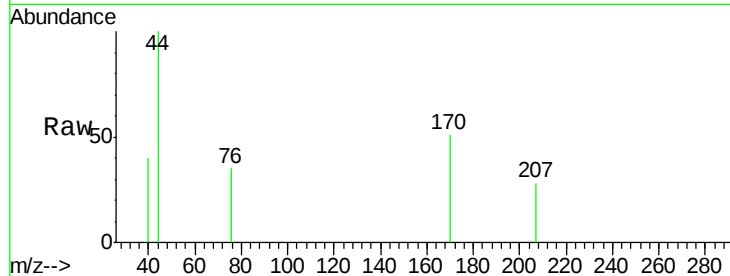
Delta R.T. -0.02 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	75	Resp:	77
Ion	Ratio	Lower	Upper
75	100		
110	0.0	14.6	43.8#
77	0.0	23.7	35.5#



#37

Ethyl Acetate

Concen: 125.040 ug/l

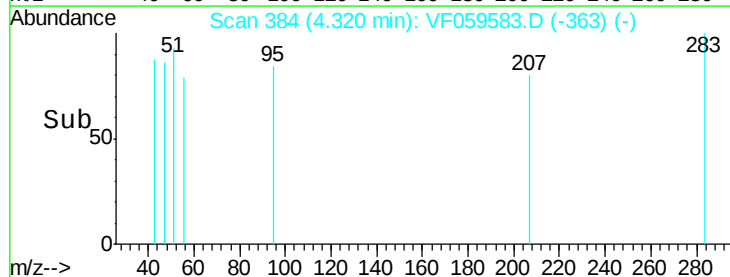
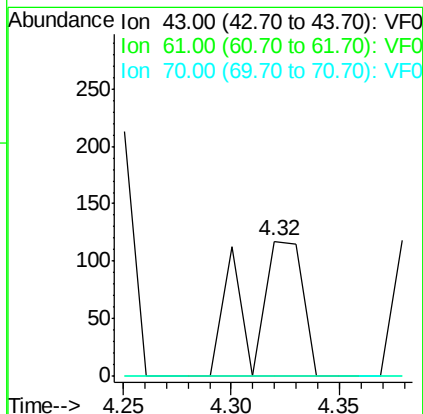
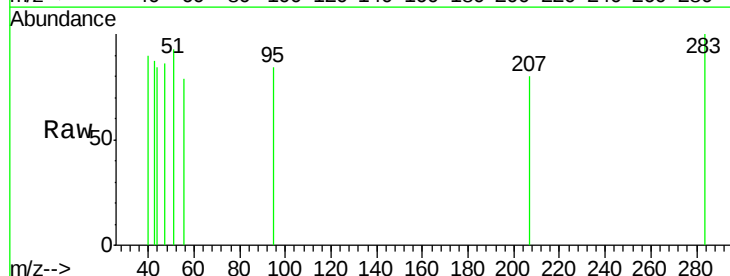
RT: 4.32 min Scan# 384

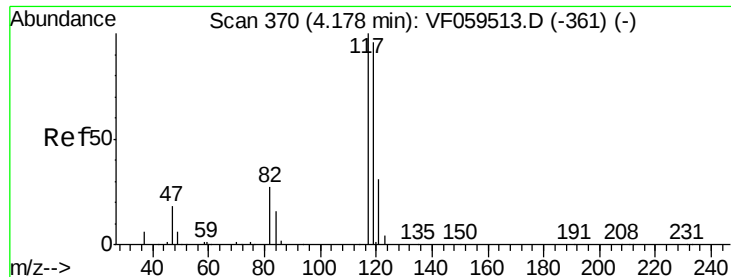
Delta R.T. 0.00 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

Tgt Ion:	43	Resp:	204
Ion	Ratio	Lower	Upper
43	100		
61	0.0	33.7	50.5#
70	0.0	7.4	11.0#





#38

Carbon Tetrachloride

Concen: 16.095 ug/l

RT: 4.27 min Scan# 379

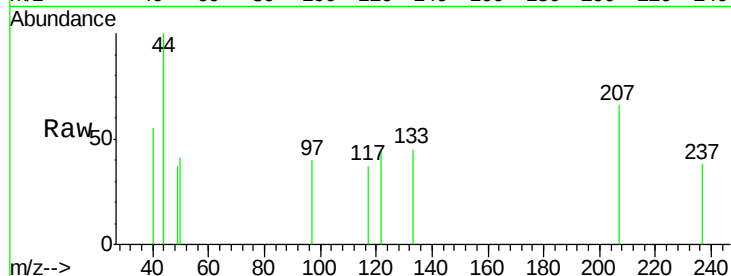
Delta R.T. 0.09 min

Lab File: VF059583.D

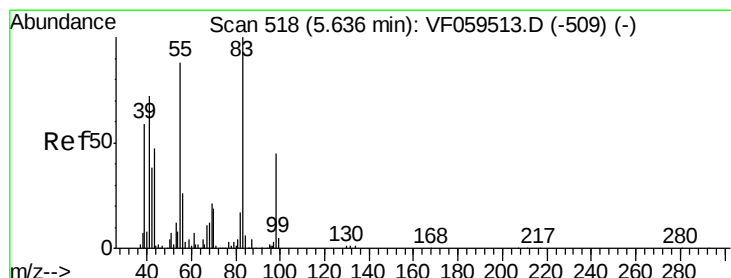
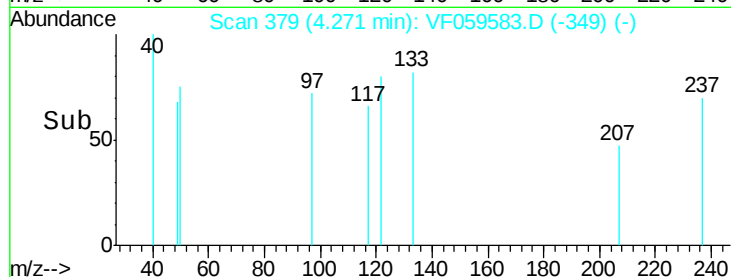
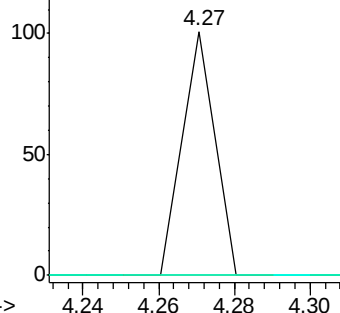
Acq: 20 Jul 2018 4:15

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 117 Resp: 60
Ion Ratio Lower Upper
117 100
119 0.0 77.6 116.4#
121 0.0 24.9 37.3#



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#39

Methylcyclohexane

Concen: 28.759 ug/l

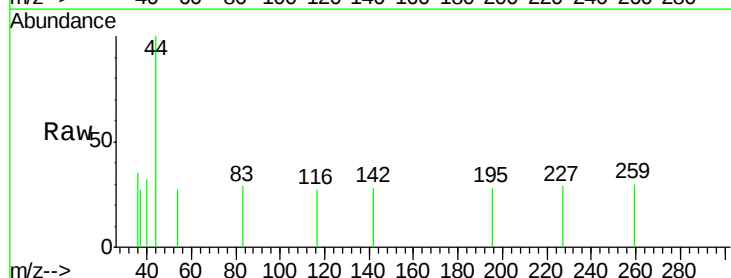
RT: 5.54 min Scan# 508

Delta R.T. -0.09 min

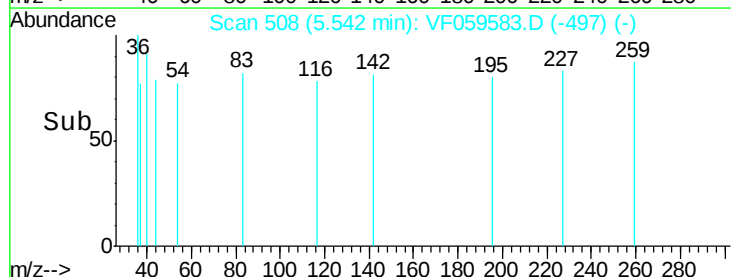
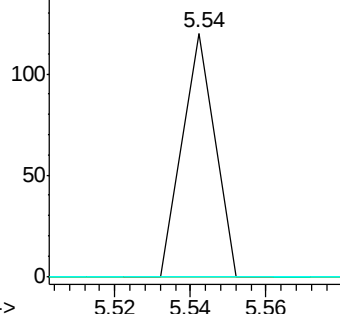
Lab File: VF059583.D

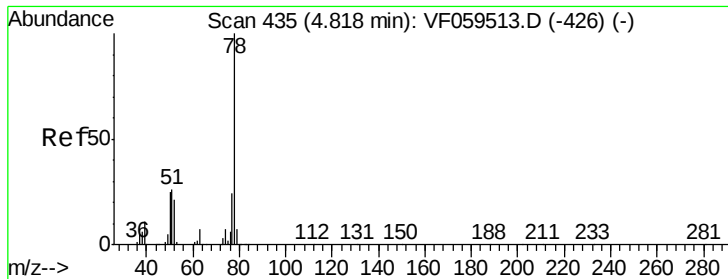
Acq: 20 Jul 2018 4:15

Tgt Ion: 83 Resp: 71
Ion Ratio Lower Upper
83 100
55 0.0 70.2 105.4#
98 0.0 36.2 54.2#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#40

Benzene

Concen: 10.933 ug/l

RT: 4.90 min Scan# 443

Delta R.T. 0.08 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

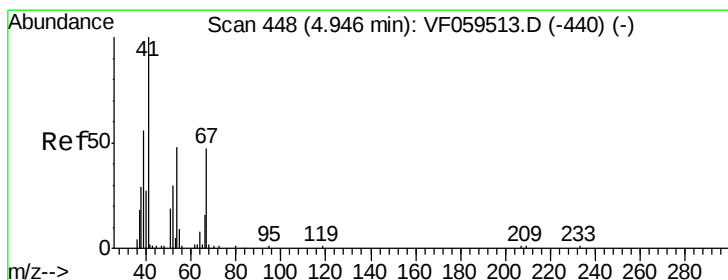
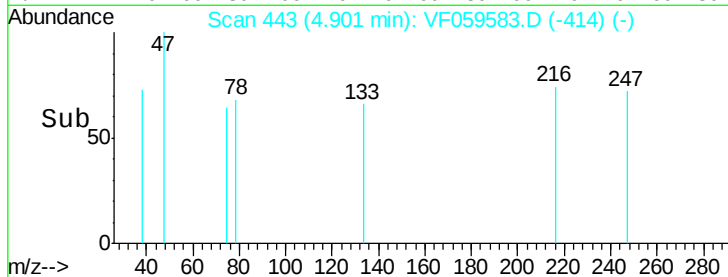
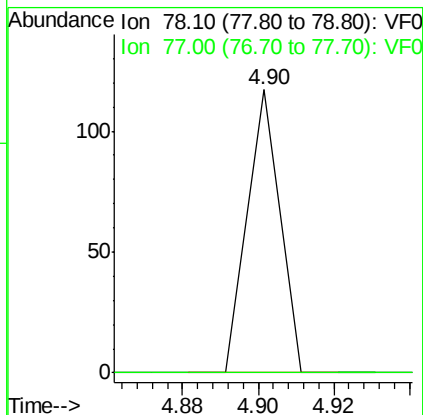
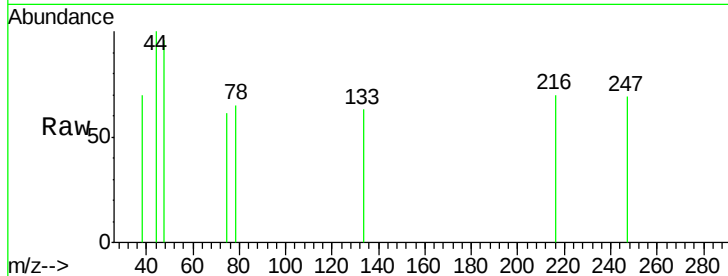
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 78 Resp: 69

Ion Ratio Lower Upper

78 100

77 0.0 19.4 29.0#



#41

Methacrylonitrile

Concen: 68.605 ug/l

RT: 4.99 min Scan# 452

Delta R.T. 0.04 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

Tgt Ion: 41 Resp: 64

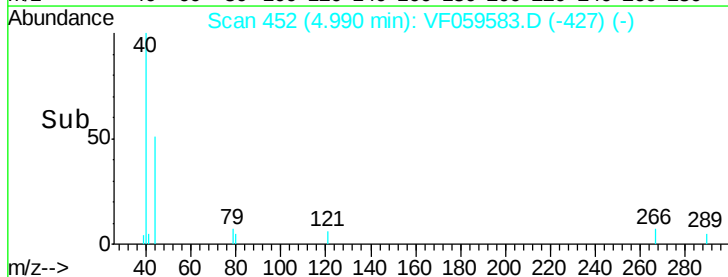
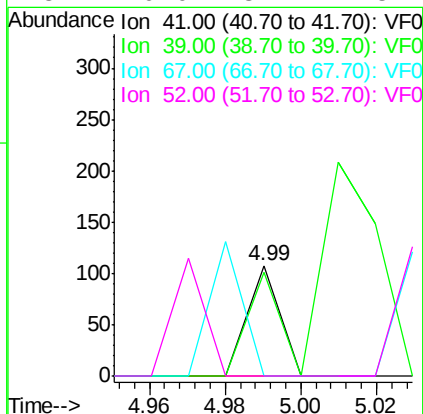
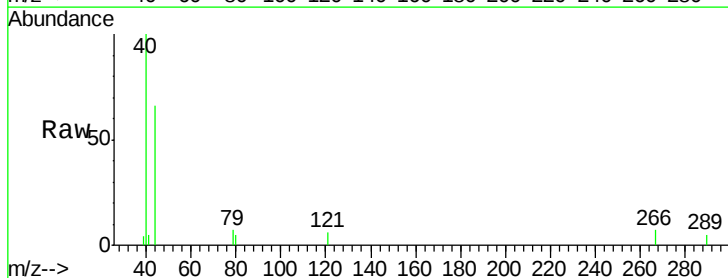
Ion Ratio Lower Upper

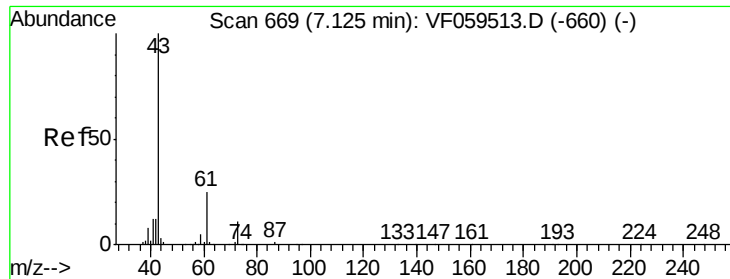
41 100

39 93.5 49.4 74.0#

67 0.0 37.4 56.2#

52 0.0 32.1 48.1#



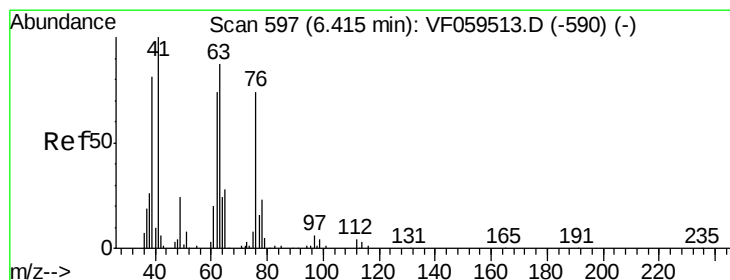
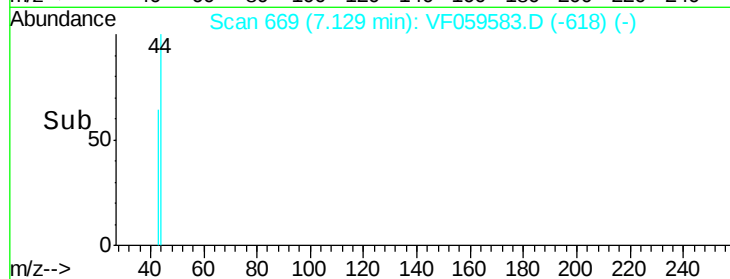
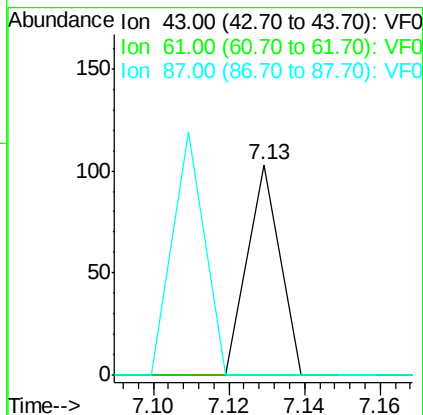
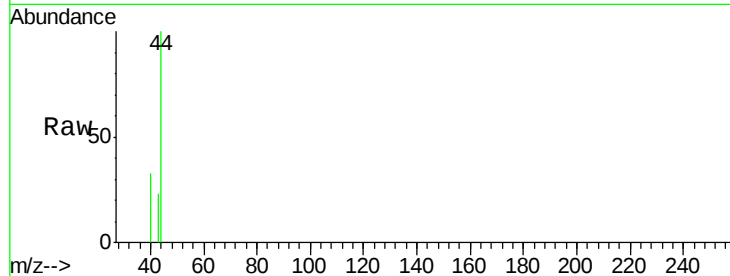


#43

Isopropyl Acetate
 Concen: 26.096 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: VF059583.D
 Acq: 20 Jul 2018 4:15

Instrument :
 MSVOA_F
 ClientSampleId :

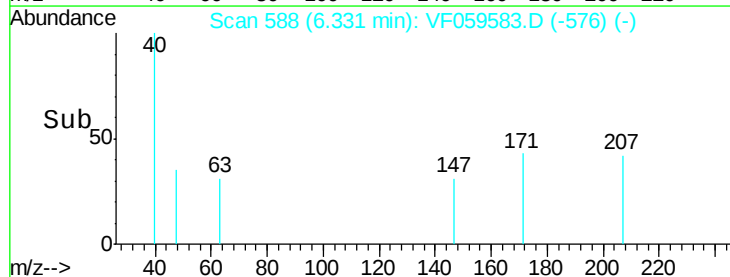
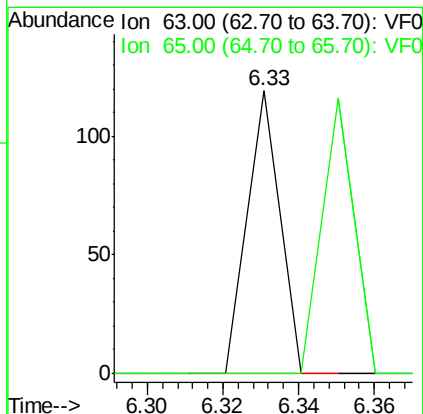
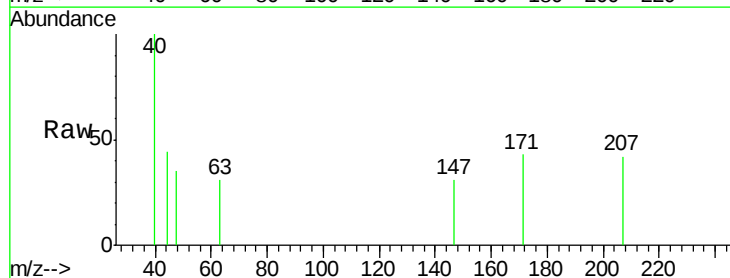
Tot Ion	43	61	87
Resp	61		
Ratio	100	0.0	0.0
Lower		20.3	0.4
Upper		30.5#	0.6#

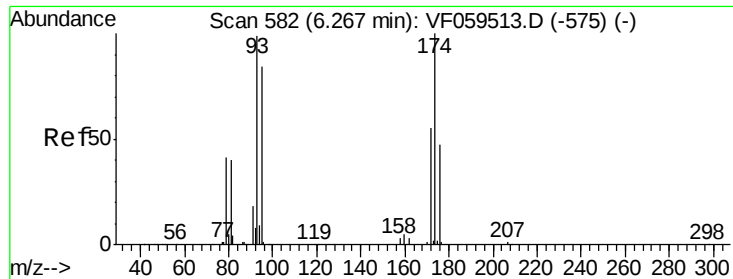


#45

1,2-Dichloropropane
 Concen: 39.962 ug/l
 RT: 6.33 min Scan# 588
 Delta R.T. -0.08 min
 Lab File: VF059583.D
 Acq: 20 Jul 2018 4:15

Tgt Ion	63	65
Resp	70	
Ratio	100	0.0
Lower		26.1
Upper		39.1#

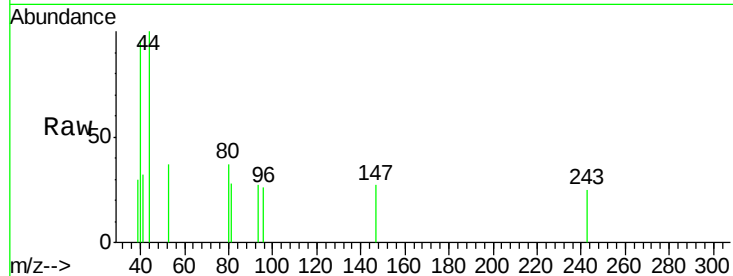




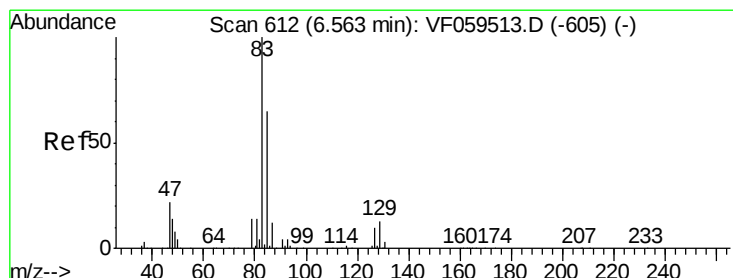
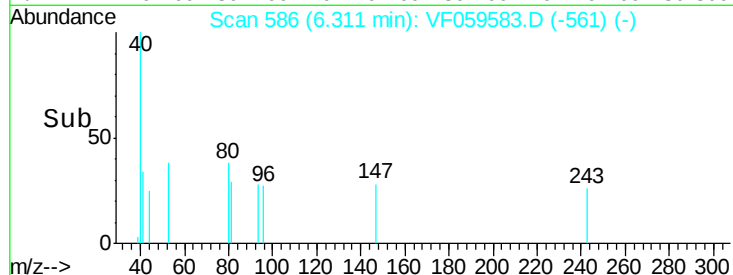
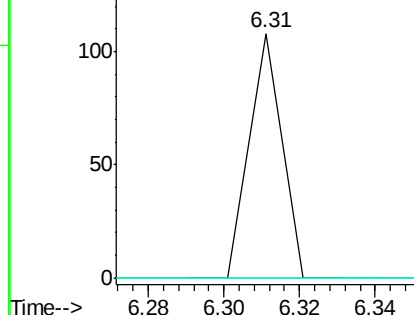
#46
Dibromomethane
Concen: 40.120 ug/l
RT: 6.31 min Scan# 586
Delta R.T. 0.04 min
Lab File: VF059583.D
Acq: 20 Jul 2018 4:15

Instrument :
MSVOA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
93	100		
95	0.0	68.3	102.5#
174	0.0	81.2	121.8#

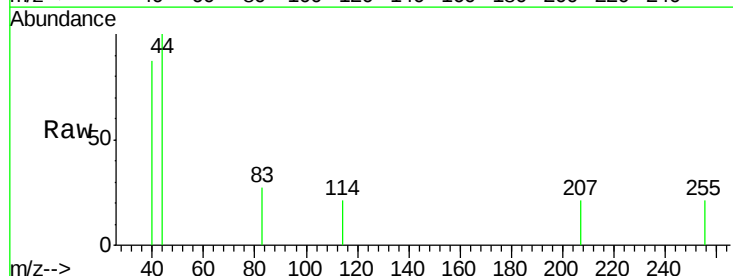


Abundance Ion 93.00 (92.70 to 93.70): VF0
Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V

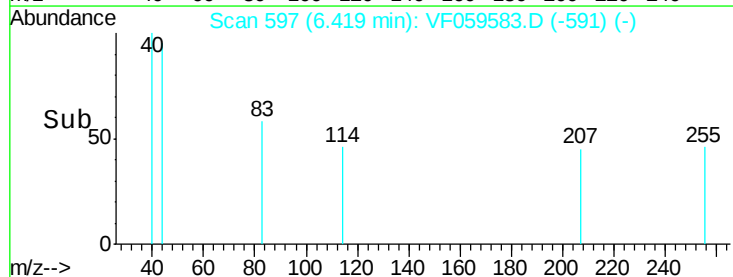
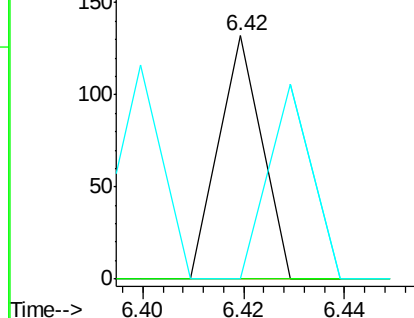


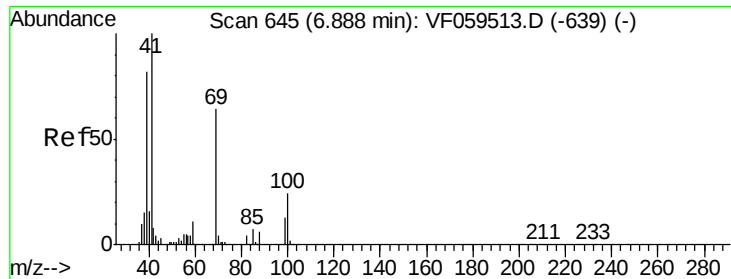
#47
Bromodichloromethane
Concen: 18.995 ug/l
RT: 6.42 min Scan# 597
Delta R.T. -0.14 min
Lab File: VF059583.D
Acq: 20 Jul 2018 4:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	0.0	52.4	78.6#
127	0.0	8.2	12.4#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V

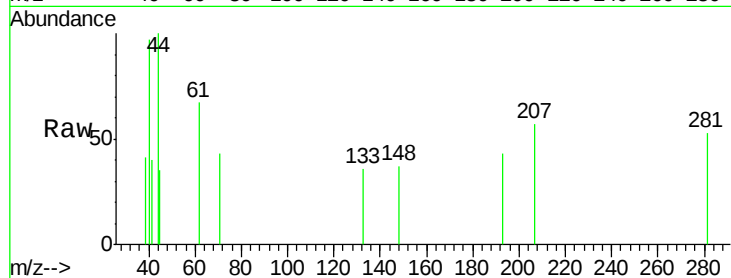




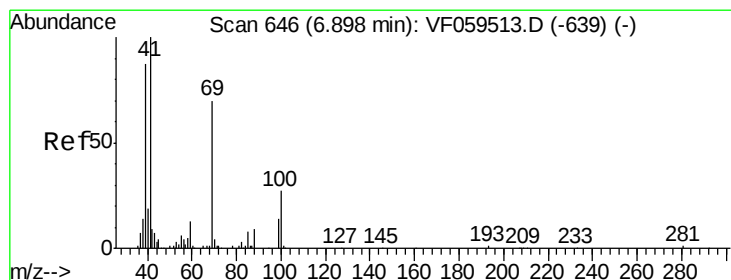
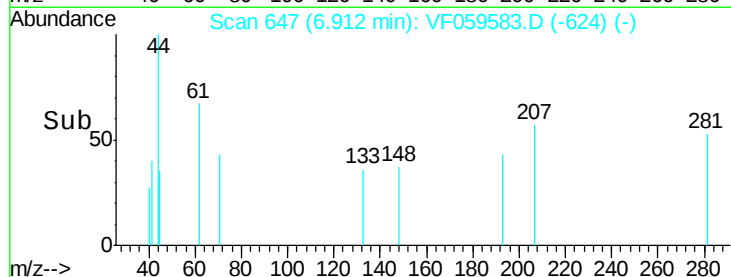
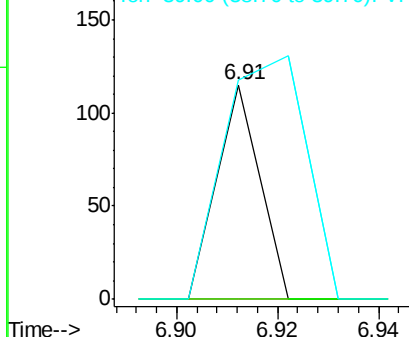
#48
Methvl methacrilate
Concen: 40.732 ug/l
RT: 6.91 min Scan# 647
Delta R.T. 0.02 min
Lab File: VF059583.D
Acq: 20 Jul 2018 4:15

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 41 Resp: 68
Ion Ratio Lower Upper
41 100
69 0.0 51.3 76.9#
39 102.6 65.3 97.9#

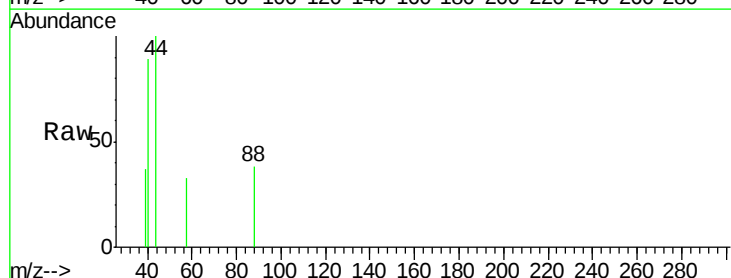


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

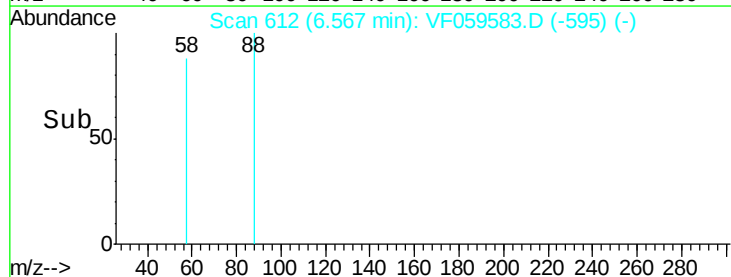
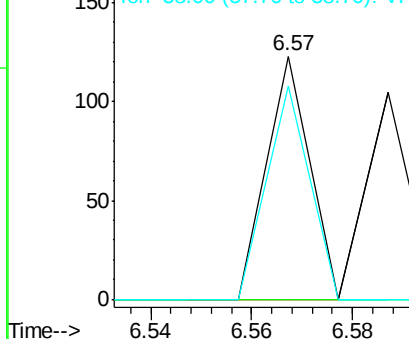


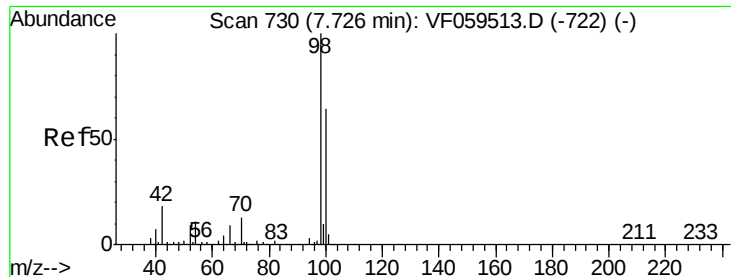
#49
1,4-Dioxane
Concen: Below Cal
RT: 6.57 min Scan# 612
Delta R.T. -0.33 min
Lab File: VF059583.D
Acq: 20 Jul 2018 4:15

Tgt Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 0.0 64.8 97.2#
58 87.8 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: 19.463 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.00 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

Instrument :

MSVOA_F

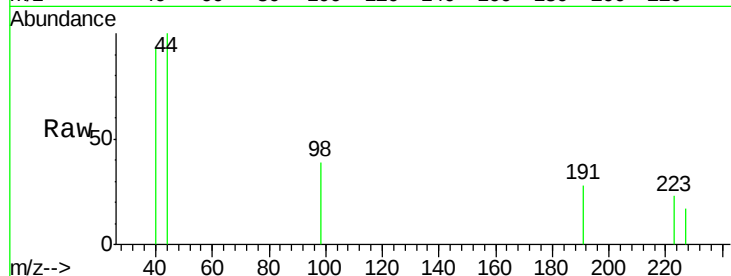
ClientSampleId :

Tot Ion: 98 Resp: 138

Ion Ratio Lower Upper

98 100

100 0.0 50.9 76.3#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.73

250

200

150

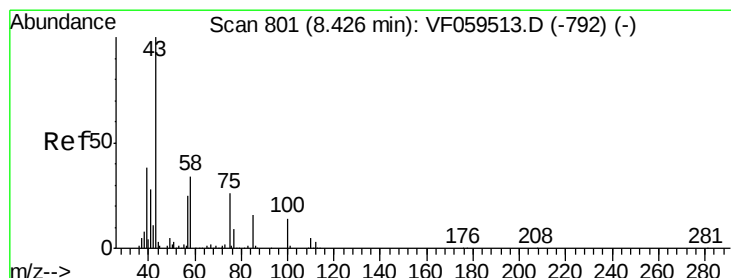
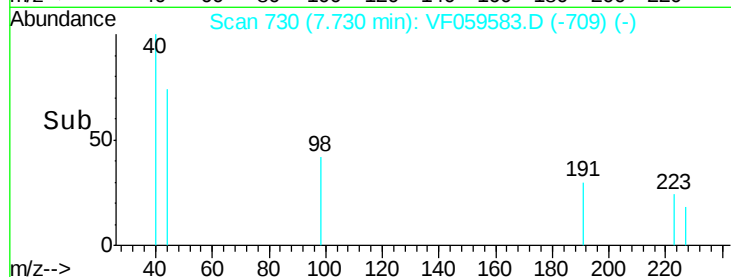
100

50

0

7.70 7.72 7.74 7.76

Time-->



#51

4-Methyl-2-Pentanone

Concen: 36.814 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF059583.D

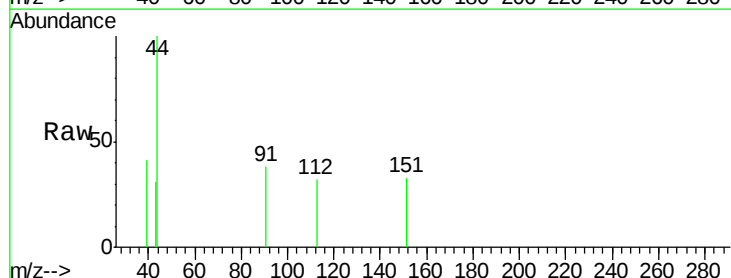
Acq: 20 Jul 2018 4:15

Tgt Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

58 0.0 27.4 41.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.44

150

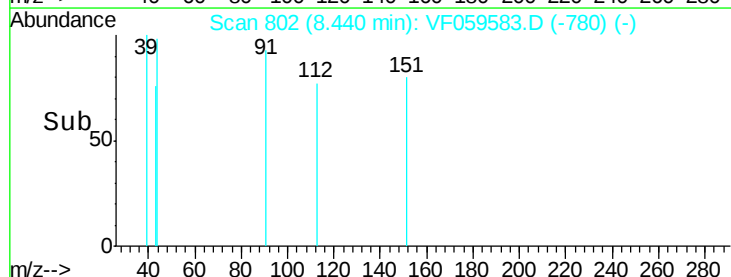
100

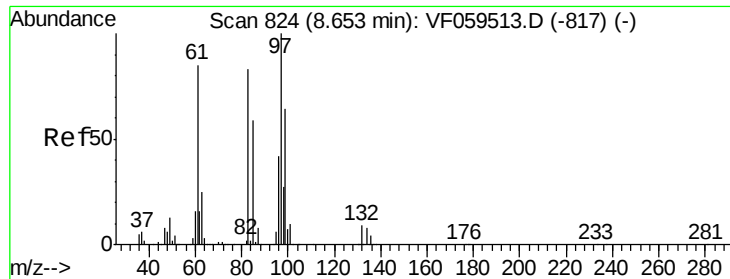
50

0

8.42 8.44 8.46

Time-->





#55

1,1,2-Trichloroethane

Concen: 36.089 ug/l

RT: 8.58 min Scan# 816

Delta R.T. -0.07 min

Lab File: VF059583.D

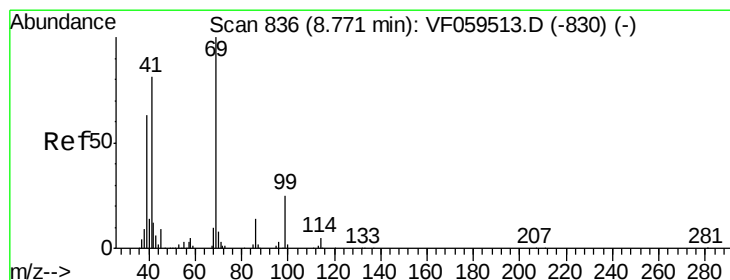
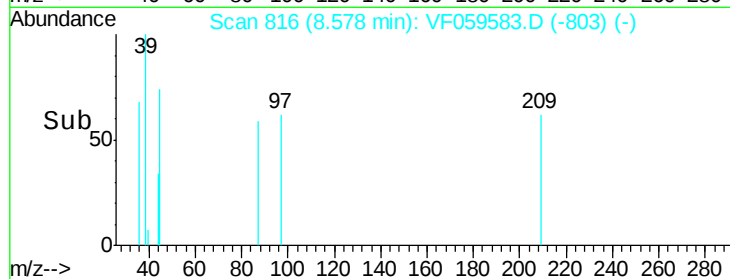
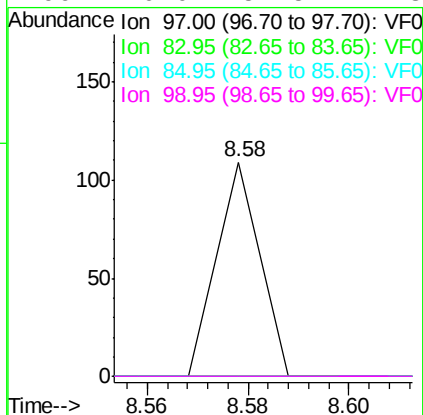
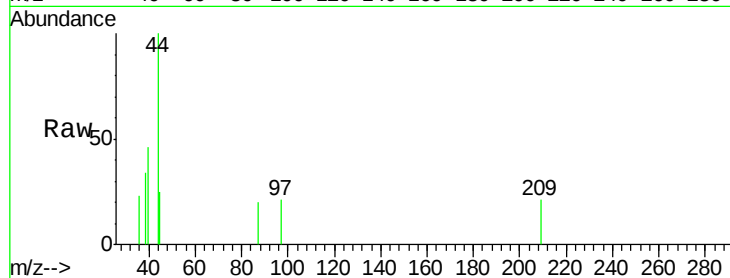
Acq: 20 Jul 2018 4:15

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	97	Resp:	64
Ion	Ratio	Lower	Upper
97	100		
83	0.0	66.9	100.3#
85	0.0	46.9	70.3#
99	0.0	51.5	77.3#



#56

Ethyl methacrylate

Concen: 30.010 ug/l

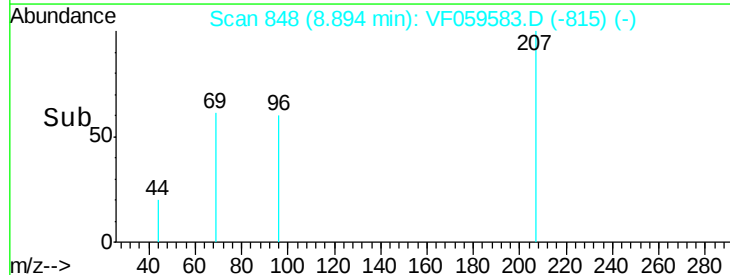
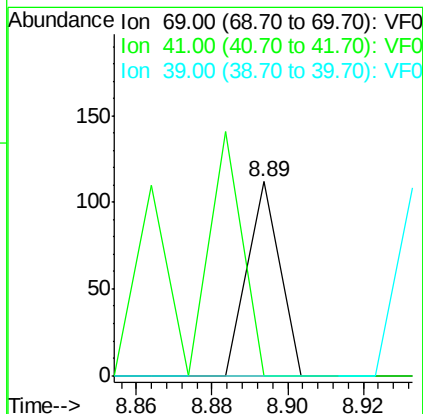
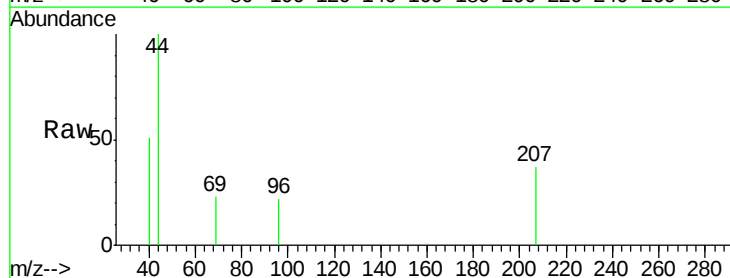
RT: 8.89 min Scan# 848

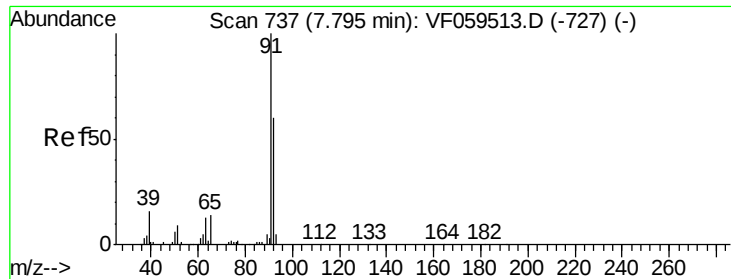
Delta R.T. 0.12 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

Tgt Ion:	69	Resp:	66
Ion	Ratio	Lower	Upper
69	100		
41	0.0	65.4	98.2#
39	0.0	51.0	76.4#

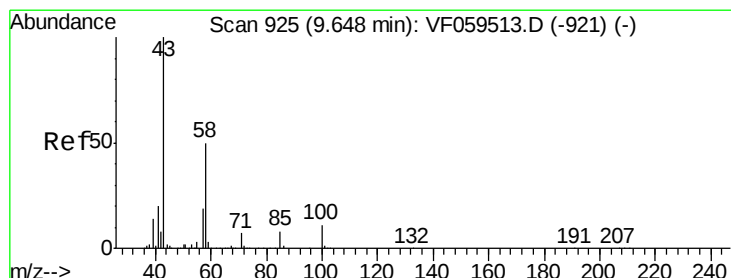
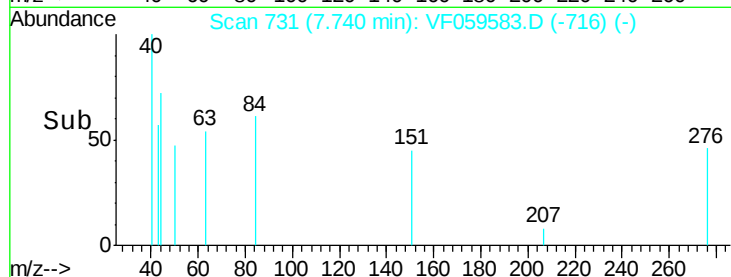
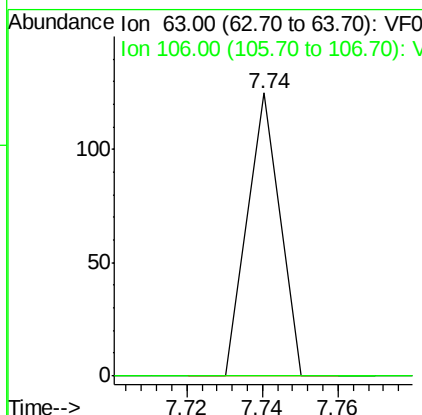
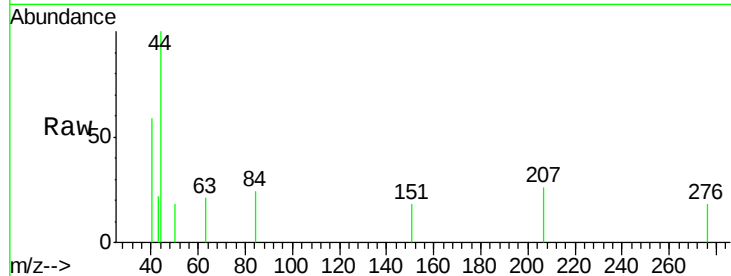




#58
 2-Chloroethyl Vinyl ether
 Concen: 381.119 ug/l
 RT: 7.74 min Scan# 731
 Delta R.T. -0.05 min
 Lab File: VF059583.D
 Acq: 20 Jul 2018 4:15

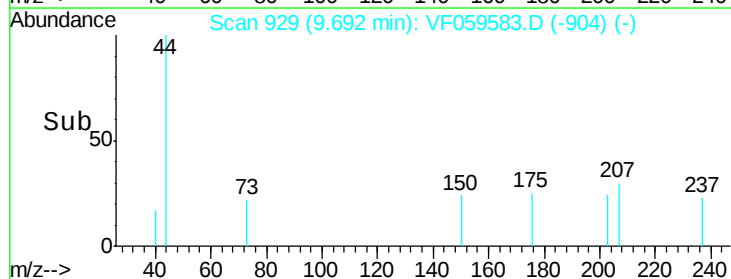
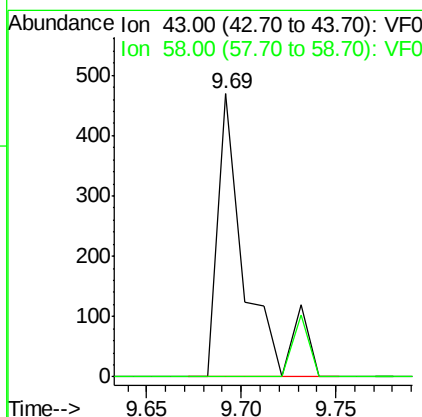
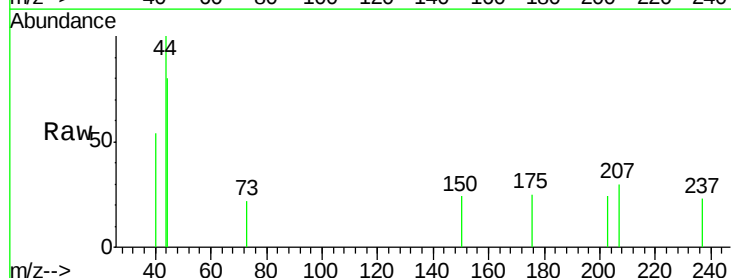
Instrument :
 MSVOA_F
 ClientSampleId :

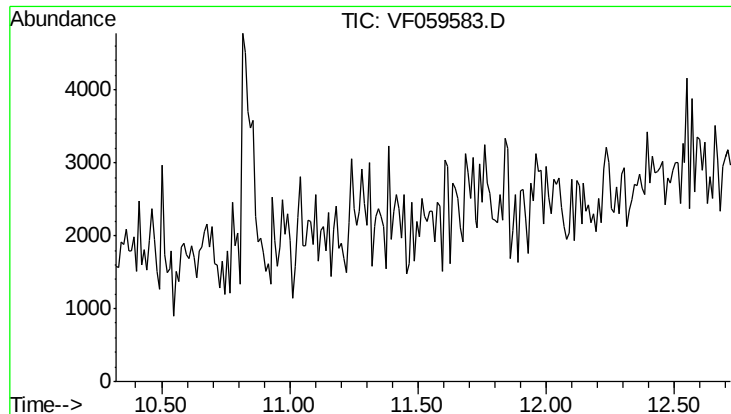
Tot Ion: 63 Resp: 74
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#59
 2-Hexanone
 Concen: 392.087 ug/l
 RT: 9.69 min Scan# 929
 Delta R.T. 0.04 min
 Lab File: VF059583.D
 Acq: 20 Jul 2018 4:15

Tgt Ion: 43 Resp: 491
 Ion Ratio Lower Upper
 43 100
 58 0.0 23.3 69.9#





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 11.52 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

Tot Ion: 95

Sig Exp Ratio

95 100

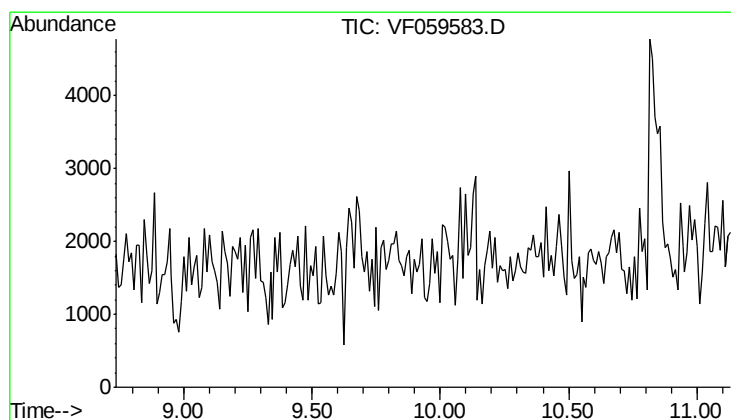
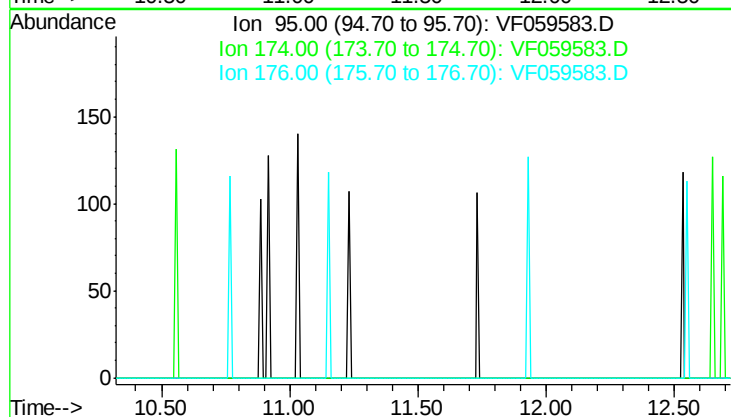
174 87.2

176 84.7

Instrument :

MSVOA_F

ClientSampleId :



#63

Chlorobenzene-d5

Concen: 0.000 ug/l

Expected RT: 9.93 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

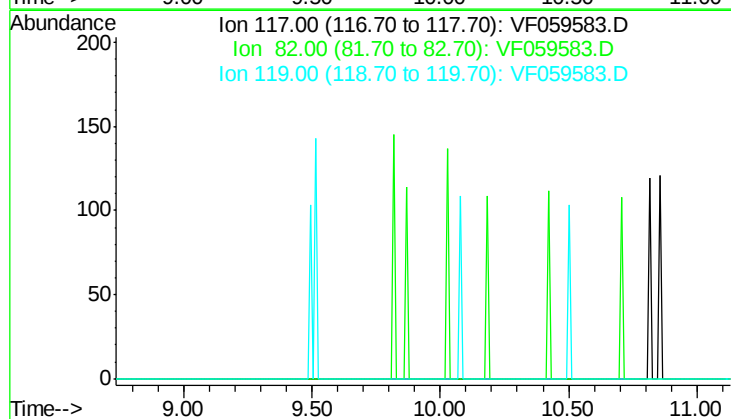
Tgt Ion: 117

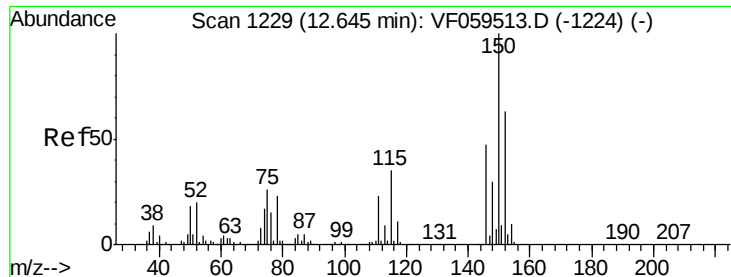
Sig Exp Ratio

117 100

82 57.6

119 34.0



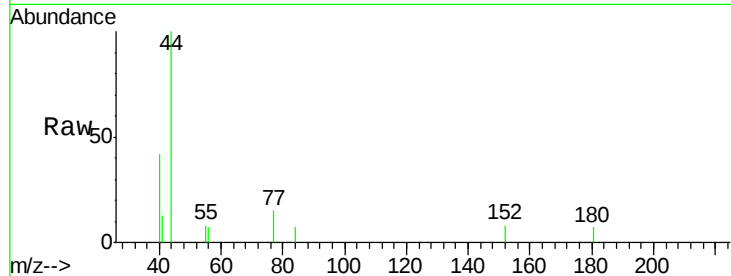


#72

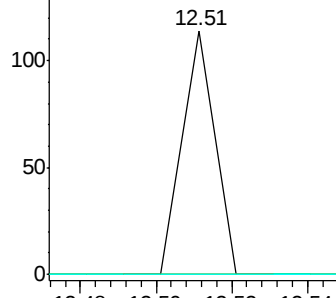
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.51 min Scan# 1215
Delta R.T. -0.13 min
Lab File: VF059583.D
Acq: 20 Jul 2018 4:15

Instrument :
MSVOA_F
ClientSampleId :

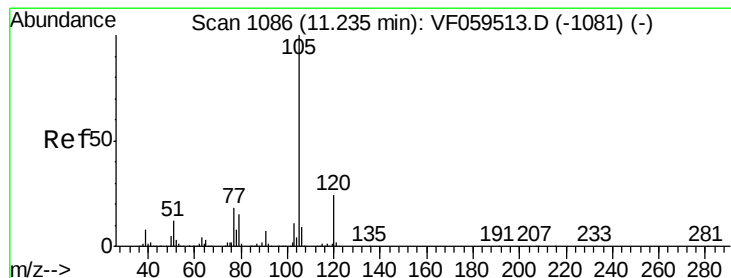
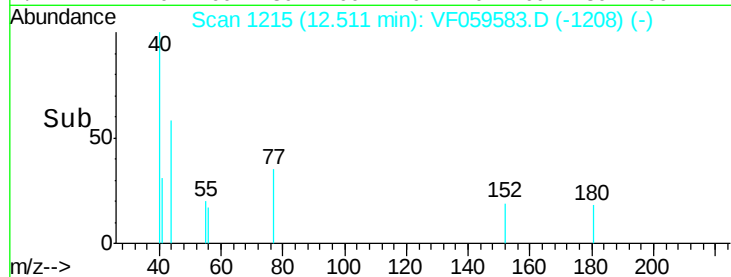
Tot Ion	Ratio	Lower	Upper
152	100		
115	0.0	27.8	83.3#
150	0.0	0.0	318.4



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



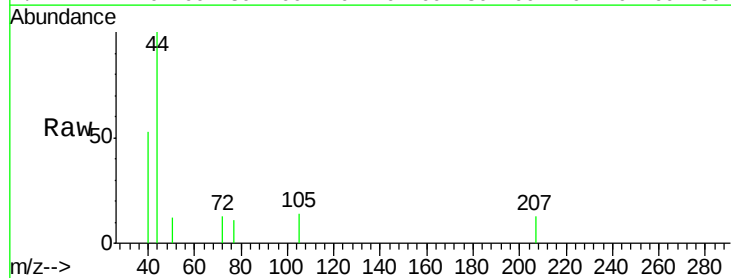
Time-->



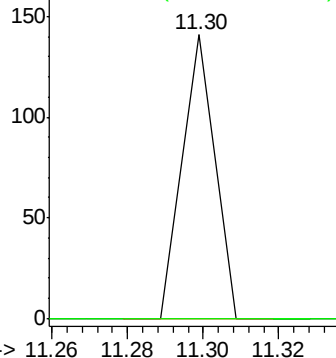
#73

Isopropylbenzene
Concen: 19.632 ug/l
RT: 11.30 min Scan# 1092
Delta R.T. 0.06 min
Lab File: VF059583.D
Acq: 20 Jul 2018 4:15

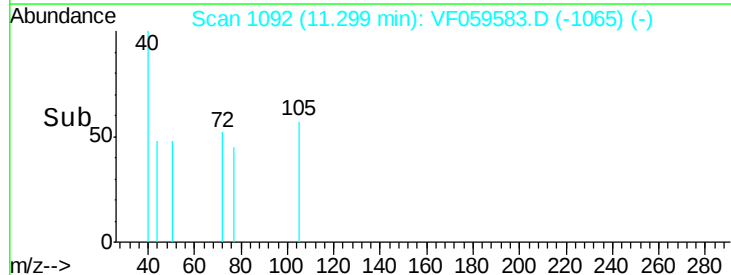
Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	12.0	36.0#

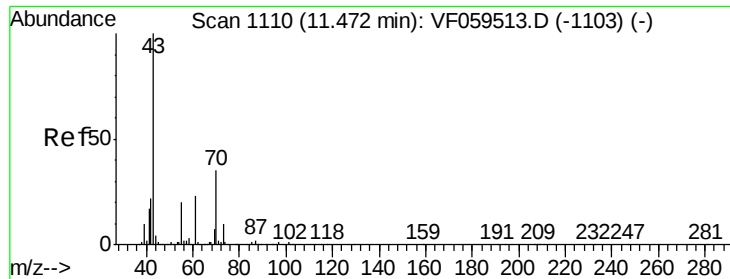


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



Time-->





#74

N-amvl acetate

Concen: 139.584 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059583.D

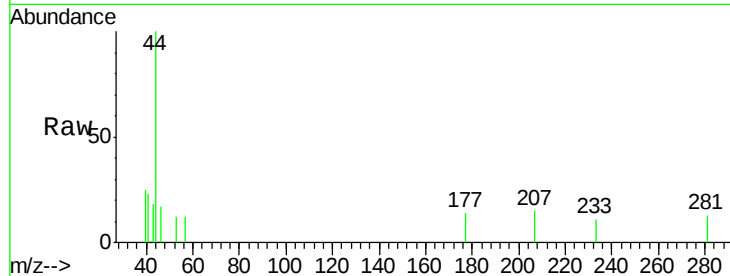
Acq: 20 Jul 2018 4:15

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:	43	Resp:	189
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#

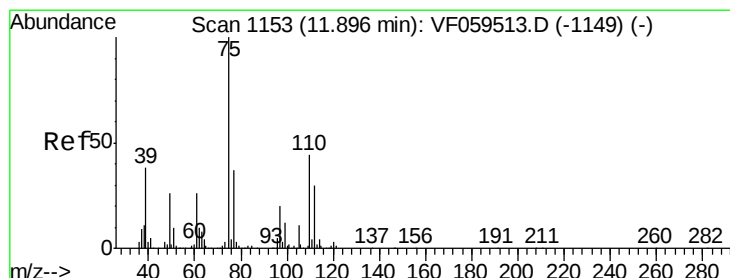
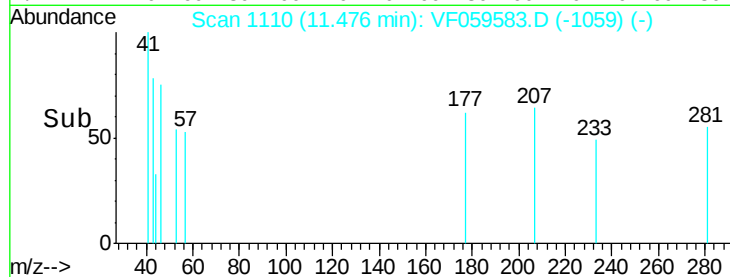
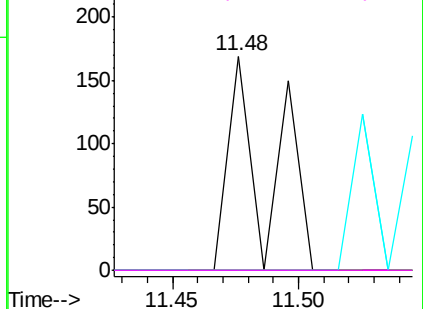


Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 81.008 ug/l

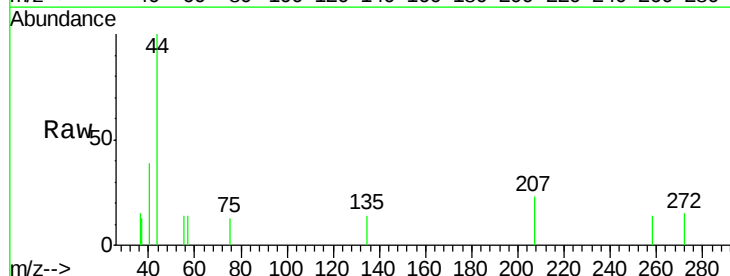
RT: 11.72 min Scan# 1135

Delta R.T. -0.17 min

Lab File: VF059583.D

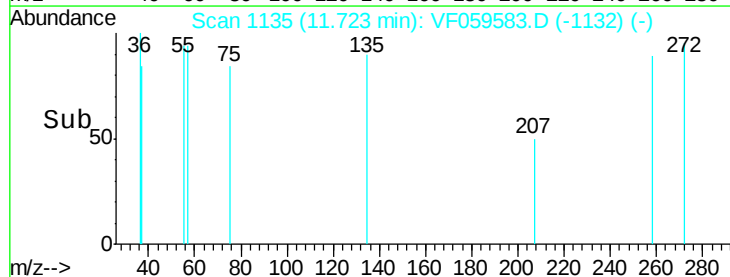
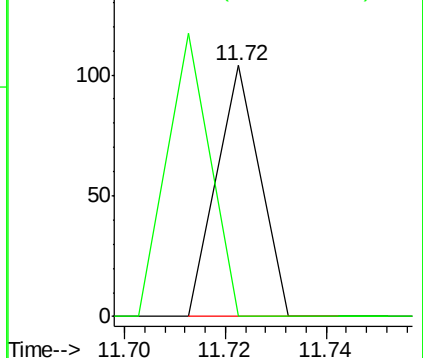
Acq: 20 Jul 2018 4:15

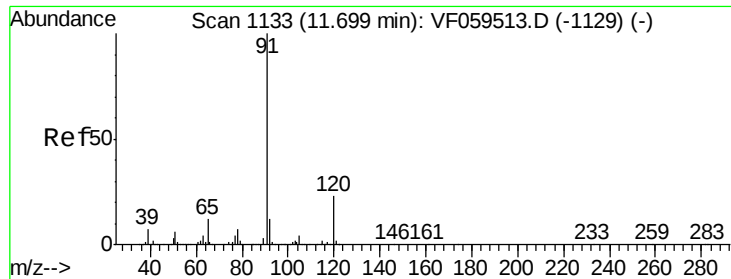
Tgt Ion:	75	Resp:	61
Ion	Ratio	Lower	Upper
75	100		
77	0.0	18.7	56.1#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#78

n-propylbenzene

Concen: 29.693 ug/l

RT: 11.74 min Scan# 1137

Delta R.T. 0.04 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

Instrument :

MSVOA_F

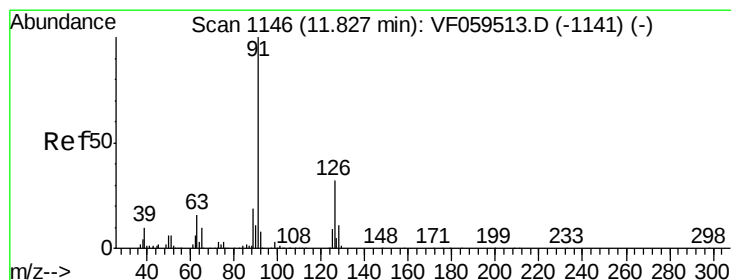
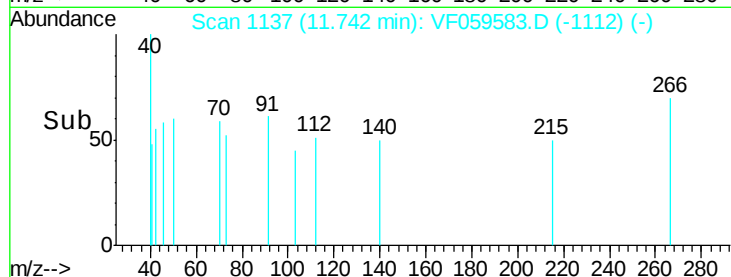
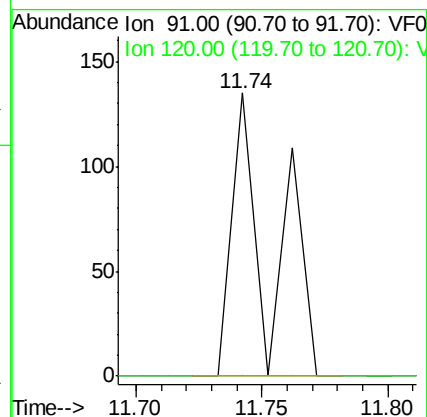
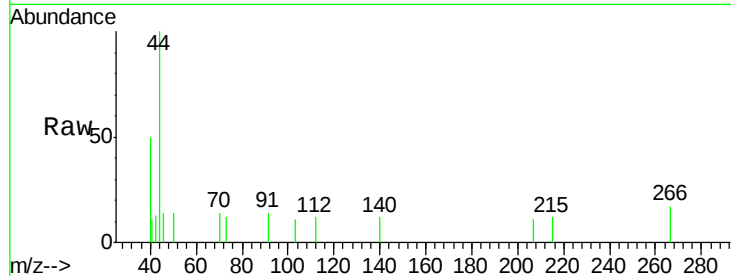
ClientSampled :

Tot Ion: 91 Resp: 144

Ion Ratio Lower Upper

91 100

120 0.0 11.3 33.9#



#79

2-Chlorotoluene

Concen: 23.098 ug/l

RT: 11.85 min Scan# 1148

Delta R.T. 0.02 min

Lab File: VF059583.D

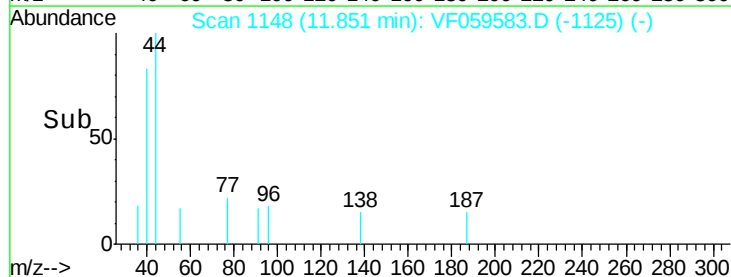
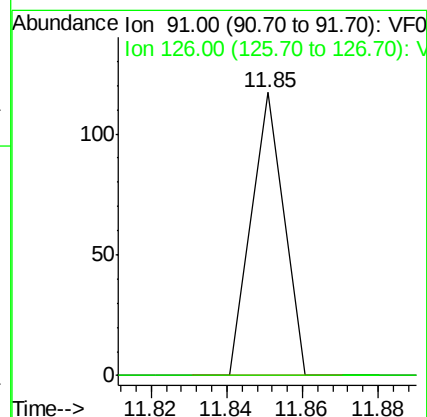
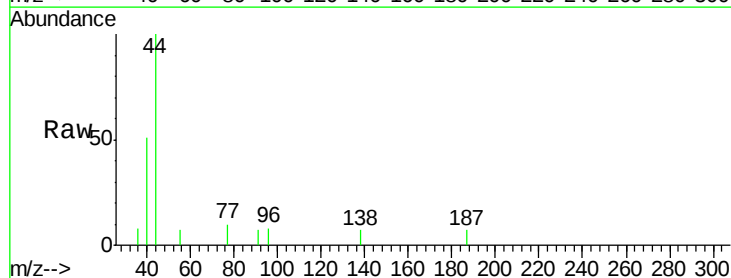
Acq: 20 Jul 2018 4:15

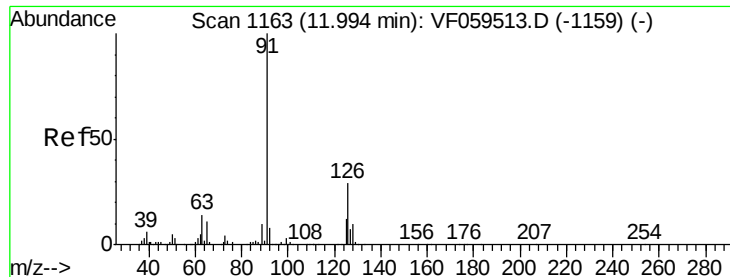
Tgt Ion: 91 Resp: 69

Ion Ratio Lower Upper

91 100

126 0.0 15.7 47.1#





#82

4-Chlorotoluene

Concen: 25.096 ug/l

RT: 12.05 min Scan# 1168

Delta R.T. 0.05 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

Instrument :

MSVOA_F

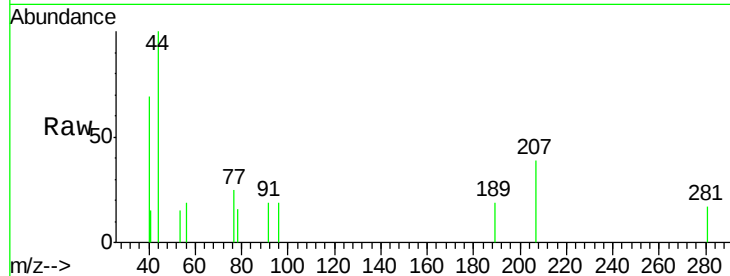
ClientSampleId :

Tot Ion: 91 Resp: 84

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

12.05

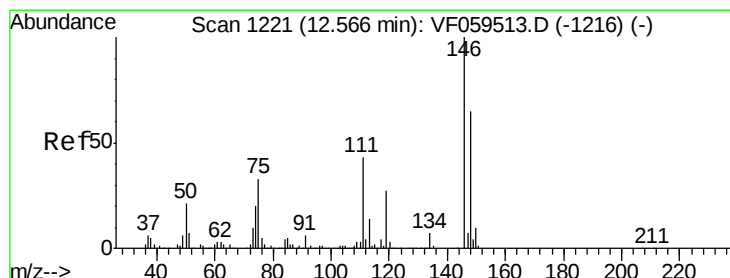
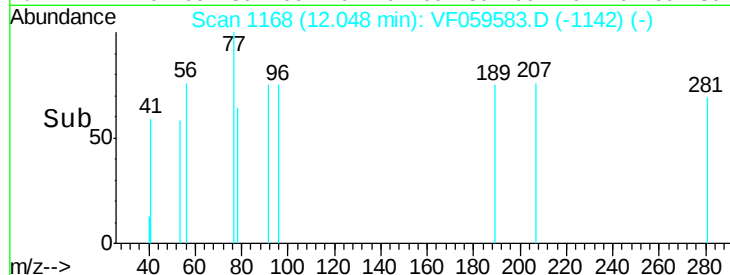
150

100

50

0

Time-->



#87

1,3-Dichlorobenzene

Concen: 32.464 ug/l

RT: 12.57 min Scan# 1221

Delta R.T. 0.00 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

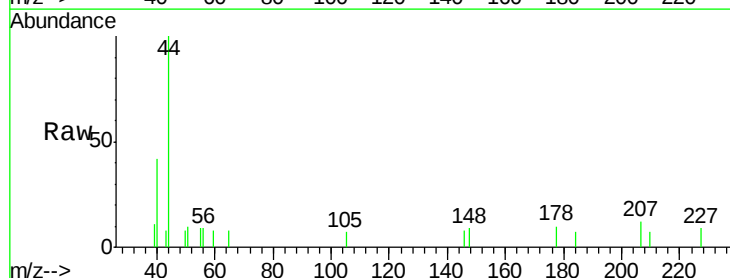
Tgt Ion: 146 Resp: 66

Ion Ratio Lower Upper

146 100

111 0.0 21.4 64.3#

148 0.0 32.7 98.1#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

12.57

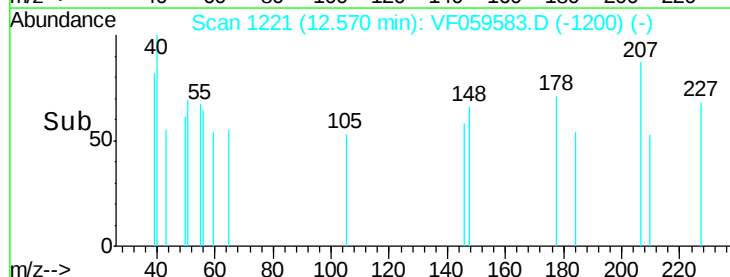
150

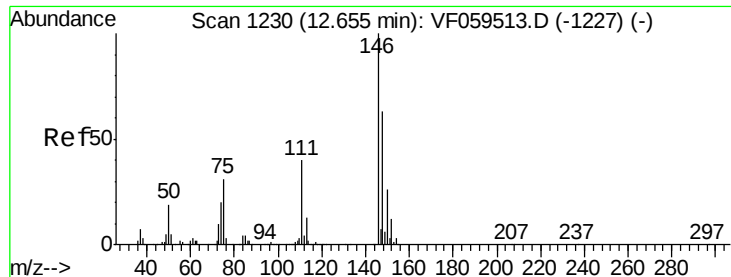
100

50

0

Time-->





#88

1,4-Dichlorobenzene

Concen: 32.946 ug/l

RT: 12.57 min Scan# 1221

Delta R.T. -0.08 min

Lab File: VF059583.D

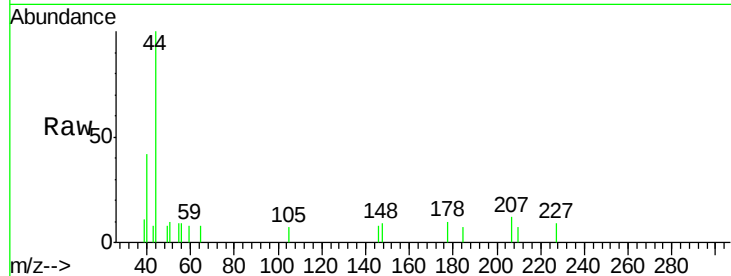
Acq: 20 Jul 2018 4:15

Instrument :

MSVOA_F

ClientSampled :

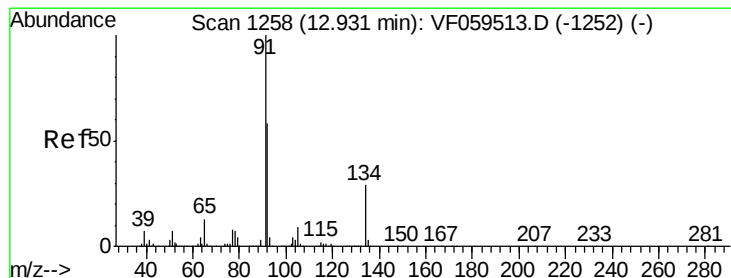
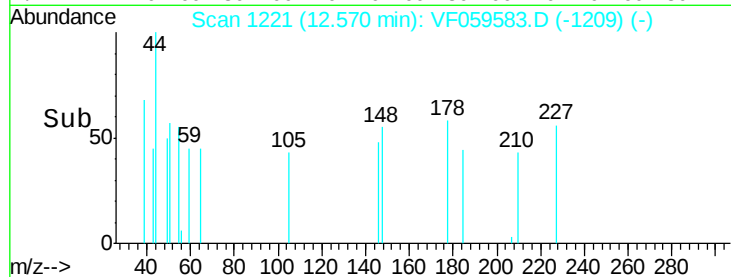
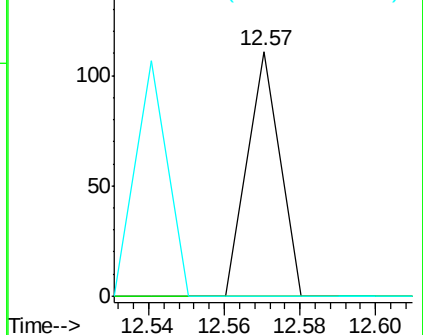
Tot Ion:	146	Resp:	66
Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.0	59.9#
148	0.0	31.5	94.5#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#89

n-Butylbenzene

Concen: 21.301 ug/l

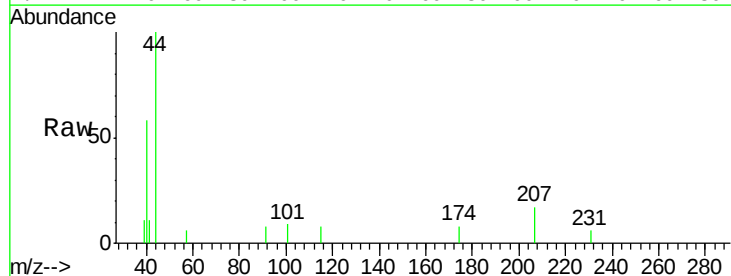
RT: 13.05 min Scan# 1270

Delta R.T. 0.12 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

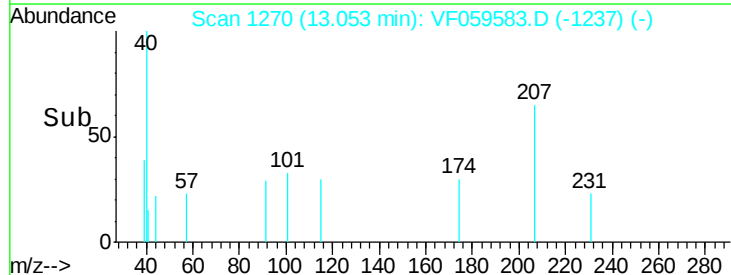
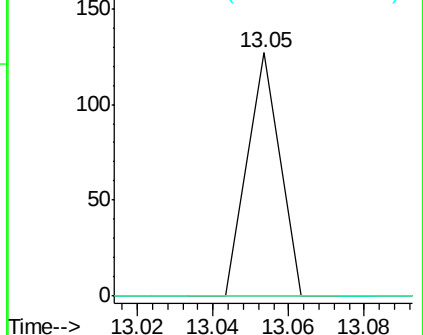
Tgt Ion:	91	Resp:	75
Ion	Ratio	Lower	Upper
91	100		
92	0.0	29.1	87.3#
134	0.0	14.3	42.9#

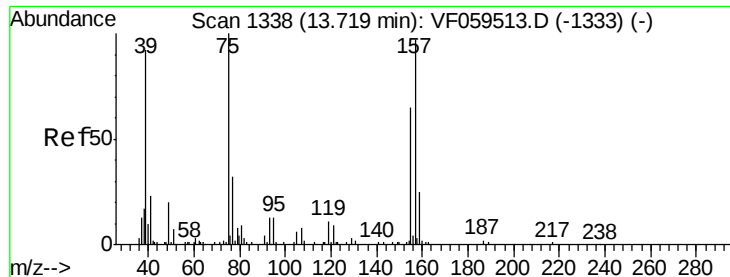


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 320.714 ug/l

RT: 13.67 min Scan# 1333

Delta R.T. -0.05 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

Instrument :

MSVOA_F

ClientSampleId :

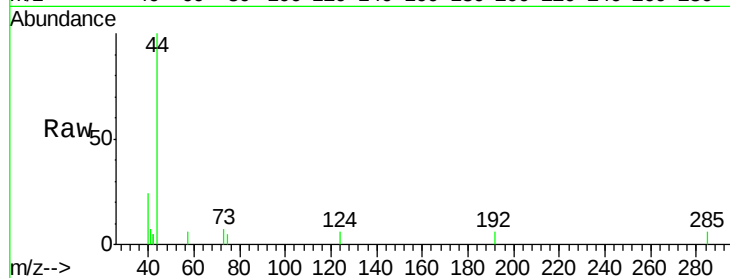
Tot Ion: 75 Resp: 67

Ion Ratio Lower Upper

75 100

155 0.0 32.8 98.3#

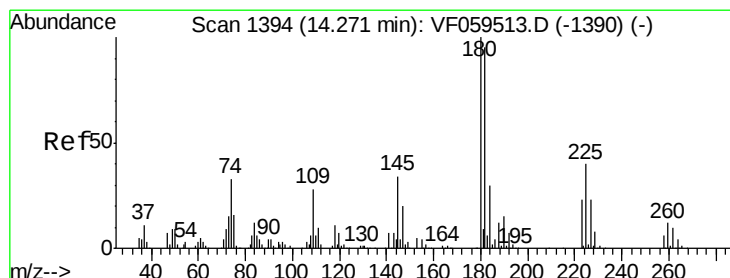
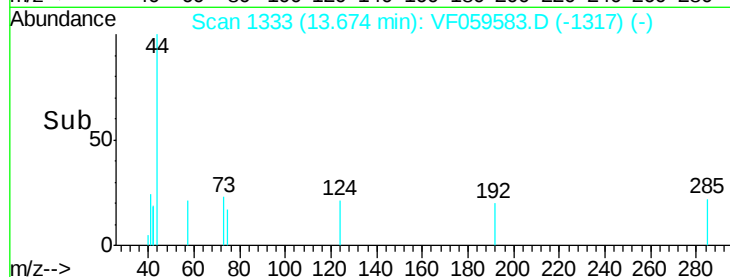
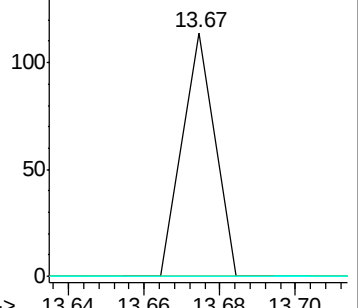
157 0.0 48.5 145.5#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



#93

1,2,4-Trichlorobenzene

Concen: 50.784 ug/l

RT: 14.11 min Scan# 1377

Delta R.T. -0.16 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

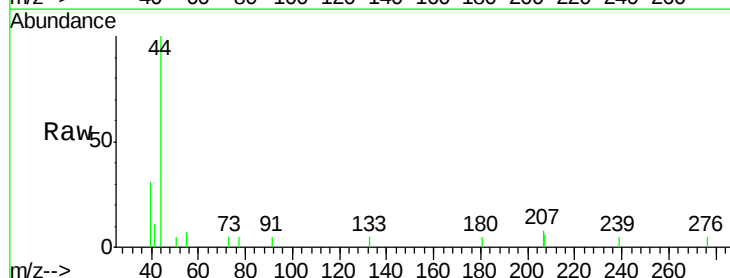
Tgt Ion: 180 Resp: 60

Ion Ratio Lower Upper

180 100

182 0.0 47.5 142.5#

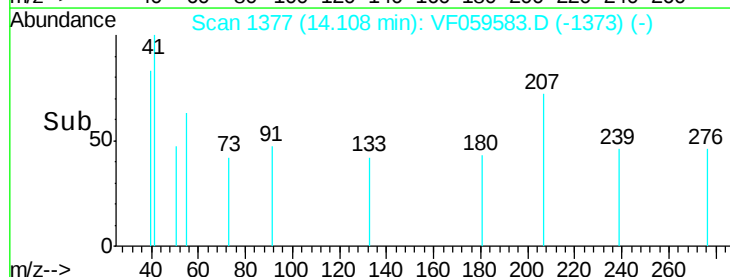
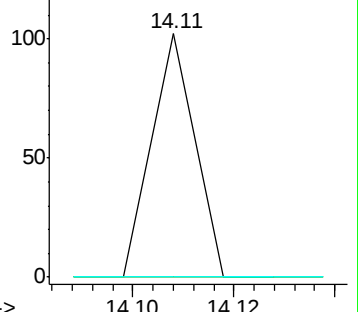
145 0.0 17.3 51.7#

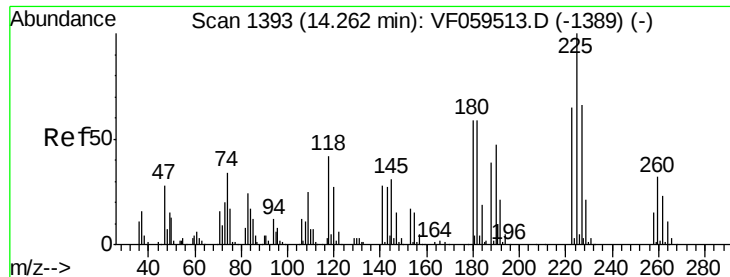


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#94

Hexachlorobutadiene

Concen: 102.438 ug/l

RT: 14.38 min Scan# 1405

Delta R.T. 0.12 min

Lab File: VF059583.D

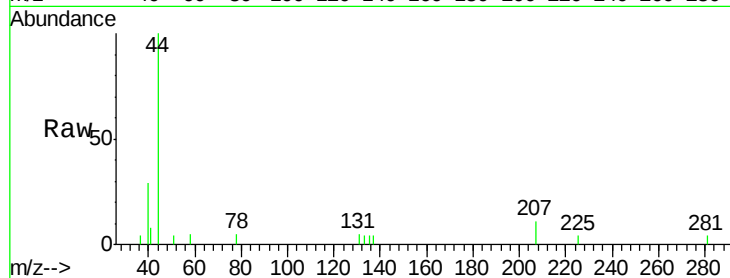
Acq: 20 Jul 2018 4:15

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:	225	Resp:	62
Ion	Ratio	Lower	Upper
225	100		
223	0.0	32.3	96.8#
227	0.0	33.2	99.6#



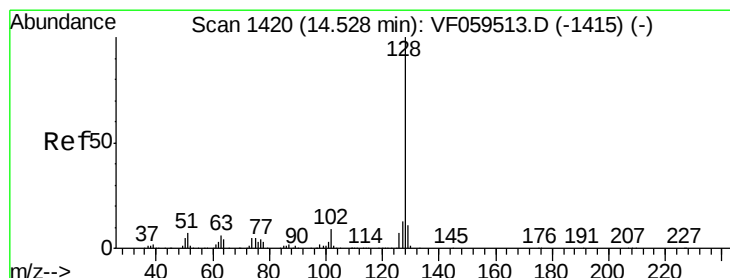
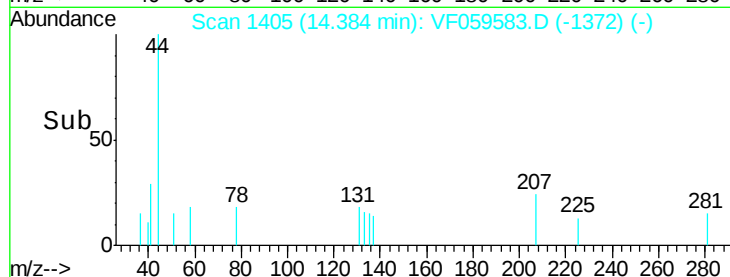
Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

14.38

Time-->



#95

Naphthalene

Concen: 25.261 ug/l

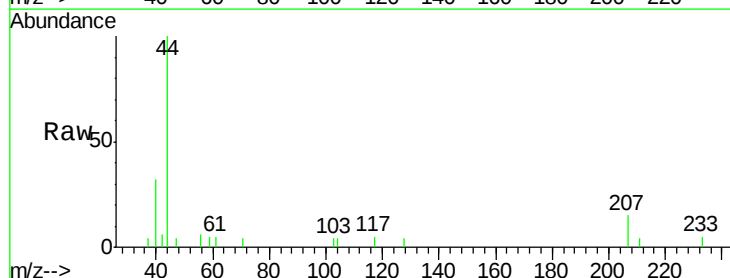
RT: 14.50 min Scan# 1417

Delta R.T. -0.03 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

Tgt Ion:	128	Resp:	62
Ion	Ratio	Lower	Upper
128	100		
127	100.0	10.2	15.2#
129	0.0	9.0	13.4#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

14.50

Time-->

