

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 :
 TP-9

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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount						
			Recovery	=	0.00%	
35) Dibromofluoromethane	4.23	113	68	24.16	ug/l	-0.07
Spiked Amount						
			Recovery	=	48.32%	
50) Toluene-d8	7.73	98	138	19.46	ug/l	0.00
Spiked Amount						
			Recovery	=	38.92%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount						
			Recovery	=	0.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.10	50	130	43.24	ug/l #	44
4) Vinyl Chloride	1.17	62	79	26.04	ug/l #	43
5) Bromomethane	1.21	94	87	41.38	ug/l #	3
6) Chloroethane	1.36	64	163	106.55	ug/l #	46
7) Trichlorofluoromethane	1.61	101	87	11.72	ug/l #	20
8) Diethyl Ether	1.69	74	91	63.69	ug/l #	1
10) Methyl Iodide	1.90	142	72	13.12	ug/l #	23
11) Tert butyl alcohol	2.66	59	69	235.06	ug/l #	74
14) Allyl chloride	2.21	41	62	14.90	ug/l #	1
15) Acrylonitrile	3.09	53	60	103.10	ug/l #	63
16) Acetone	2.33	43	63	37.37	ug/l #	64
18) Methyl Acetate	2.46	43	59	26.42	ug/l #	67
19) Methyl tert-butyl Ether	2.57	73	93	8.89	ug/l #	1
20) Methylene Chloride	2.39	84	78	22.39	ug/l #	3
21) trans-1,2-Dichloroethene	2.37	96	67	21.73	ug/l #	1
22) Diisopropyl ether	2.98	45	75	6.41	ug/l #	37
23) Vinyl Acetate	3.32	43	136	19.90	ug/l #	84
25) 2-Butanone	4.48	43	237	147.17	ug/l #	60
26) 2,2-Dichloropropane	3.91	77	197	41.23	ug/l #	62
28) Bromochloromethane	3.88	49	61	19.19	ug/l #	6
29) Tetrahydrofuran	4.29	42	69	91.74	ug/l #	38
30) Chloroform	3.91	83	66	6.33	ug/l #	17
31) Cyclohexane	3.88	56	62	16.57	ug/l #	15
32) 1,1,1-Trichloroethane	4.27	97	65	9.59	ug/l #	21
36) 1,1-Dichloropropene	4.46	75	77	23.67	ug/l #	45
37) Ethyl Acetate	4.32	43	204	125.04	ug/l #	41
38) Carbon Tetrachloride	4.27	117	60	16.09	ug/l #	12
39) Methylcyclohexane	5.54	83	71	28.76	ug/l #	14
40) Benzene	4.90	78	69	10.93	ug/l #	51
41) Methacrylonitrile	4.99	41	64	68.60	ug/l #	43
43) Isopropyl Acetate	7.13	43	61	26.10	ug/l #	51
45) 1,2-Dichloropropane	6.33	63	70	39.96	ug/l #	42
46) Dibromomethane	6.31	93	64	40.12	ug/l #	3
47) Bromodichloromethane	6.42	83	78	19.00	ug/l #	25

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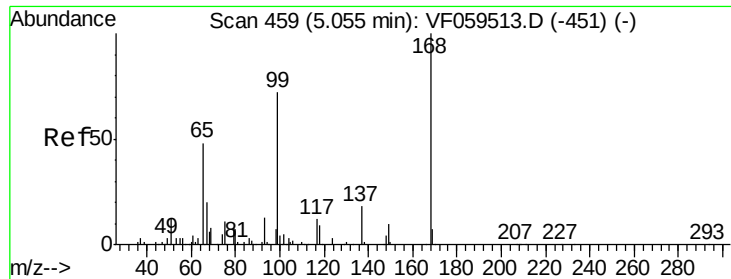
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

48) Methyl methacrylate	6.91	41	68	40.73	ug/l #	51
49) 1,4-Dioxane	6.57	88	73	Below Cal	#	27
51) 4-Methyl-2-Pentanone	8.44	43	61	36.81	ug/l #	40
55) 1,1,2-Trichloroethane	8.58	97	64	36.09	ug/l #	15
56) Ethyl methacrylate	8.89	69	66	30.01	ug/l #	13
58) 2-Chloroethyl Vinyl ether	7.74	63	74	381.12	ug/l	100
59) 2-Hexanone	9.69	43	491	392.09	ug/l #	30
73) Isopropylbenzene	11.30	105	83	19.63	ug/l #	51
74) N-amyl acetate	11.48	43	189	139.58	ug/l #	48
76) 1,2,3-Trichloropropane	11.72	75	61	81.01	ug/l #	38
78) n-propylbenzene	11.74	91	144	29.69	ug/l #	53
79) 2-Chlorotoluene	11.85	91	69	23.10	ug/l #	43
82) 4-Chlorotoluene	12.05	91	84	25.10	ug/l #	46
87) 1,3-Dichlorobenzene	12.57	146	66	32.46	ug/l #	23
88) 1,4-Dichlorobenzene	12.57	146	66	32.95	ug/l #	25
89) n-Butylbenzene	13.05	91	75	21.30	ug/l #	30
92) 1,2-Dibromo-3-Chloropropan	13.67	75	67	320.71	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.11	180	60	50.78	ug/l #	12
94) Hexachlorobutadiene	14.38	225	62	102.44	ug/l #	17
95) Naphthalene	14.50	128	62	25.26	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.00 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

ClientSampled :

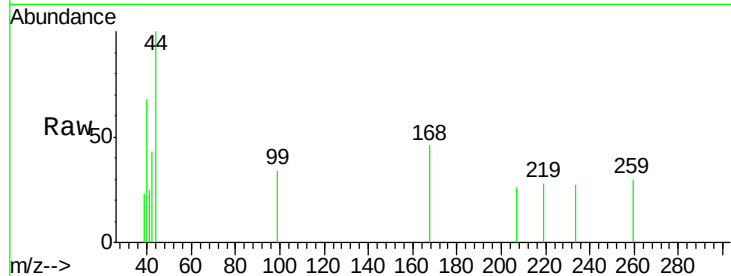
TP-9

Tot Ion:168 Resp: 446

Ion Ratio Lower Upper

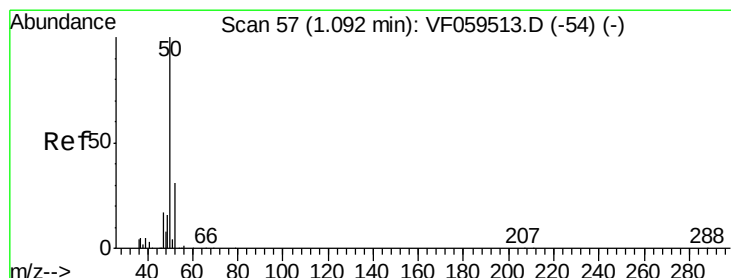
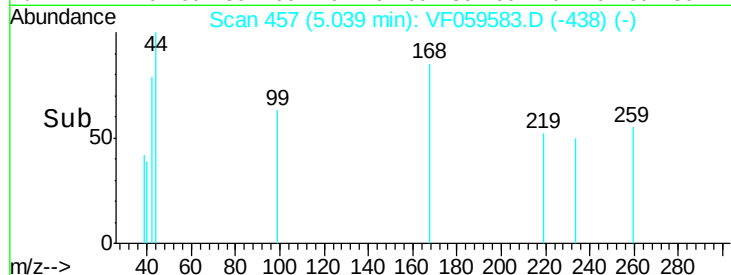
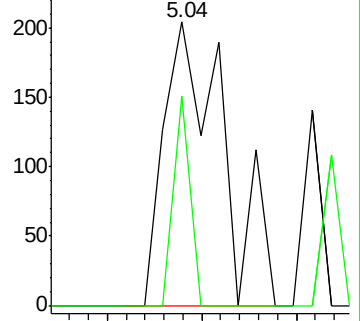
168 100

99 74.0 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: 43.24 ug/l

RT: 1.10 min Scan# 57

Delta R.T. 0.00 min

Lab File: VF059583.D

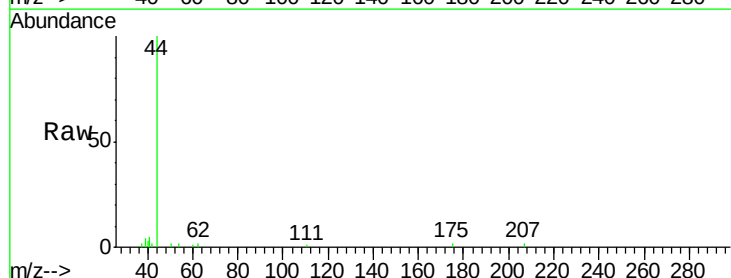
Acq: 20 Jul 2018 4:15

Tgt Ion: 50 Resp: 130

Ion Ratio Lower Upper

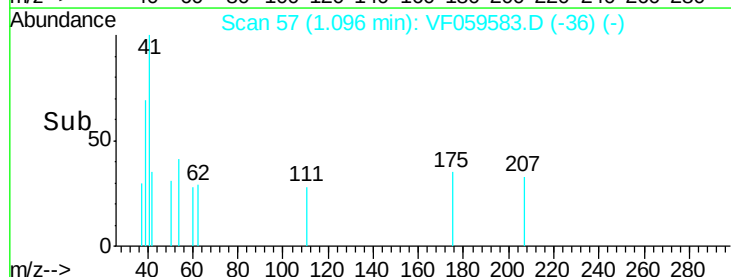
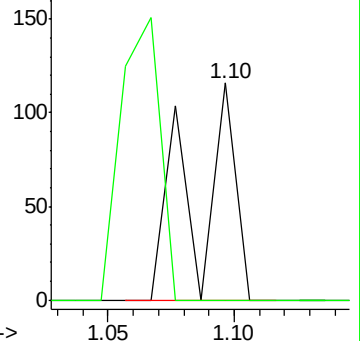
50 100

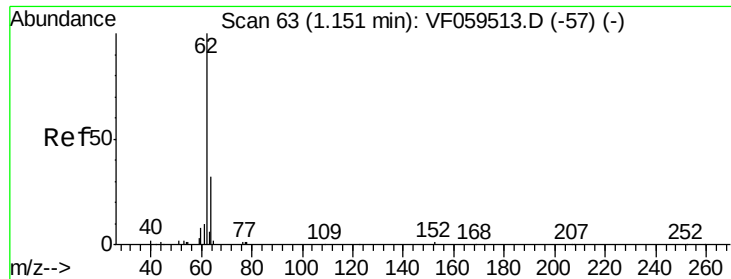
52 0.0 24.6 37.0#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#4

Vinyl Chloride

Concen: 26.04 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 :

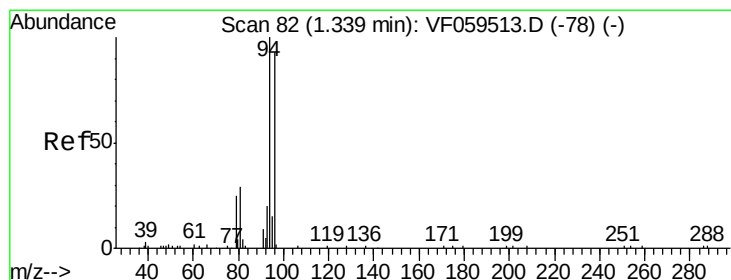
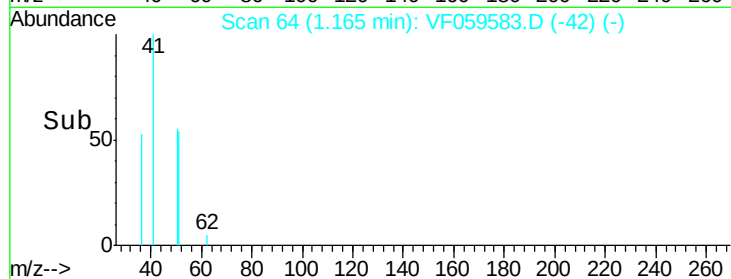
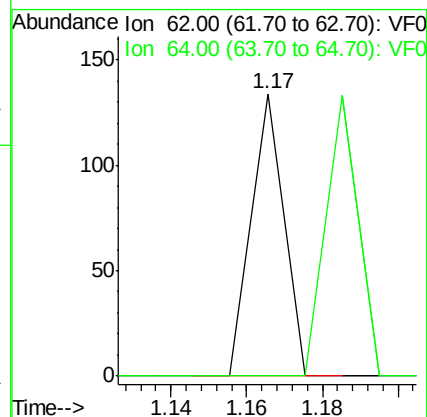
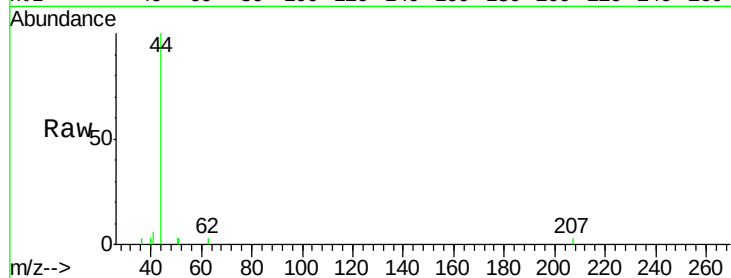
TP-9

Tot Ion: 62 Resp: 79

Ion Ratio Lower Upper

62 100

64 0.0 25.7 38.5#



#5

Bromomethane

Concen: 41.38 ug/l

RT: 1.21 min Scan# 69

Delta R.T. -0.12 min

Lab File: VF059583.D

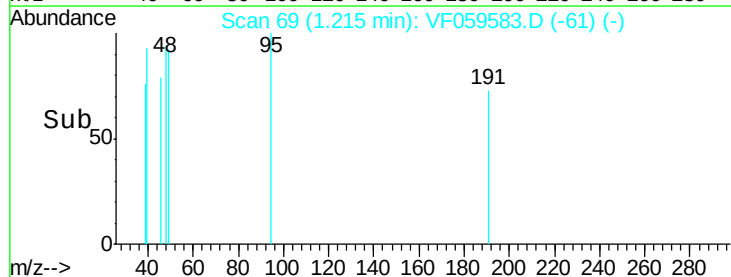
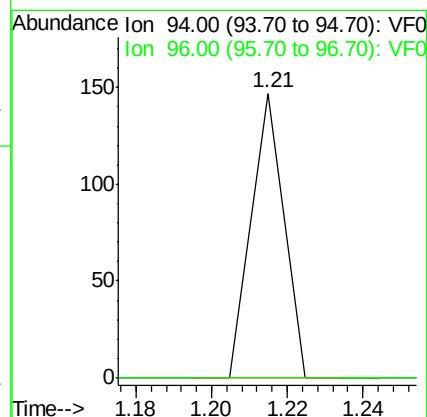
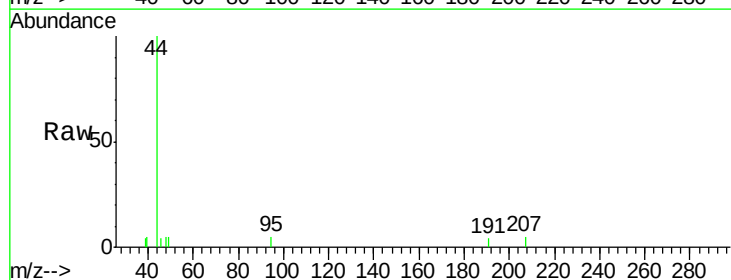
Acq: 20 Jul 2018 4:15

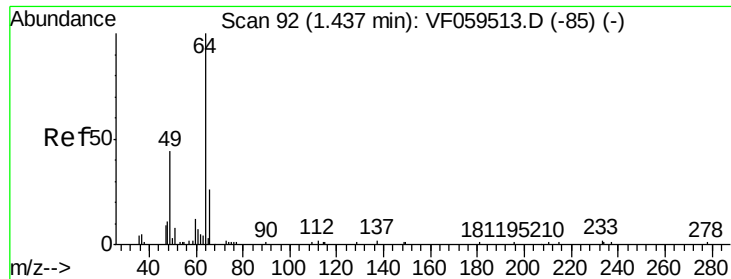
Tgt Ion: 94 Resp: 87

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#





#6

Chloroethane

Concen: 106.55 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

ClientSampled :

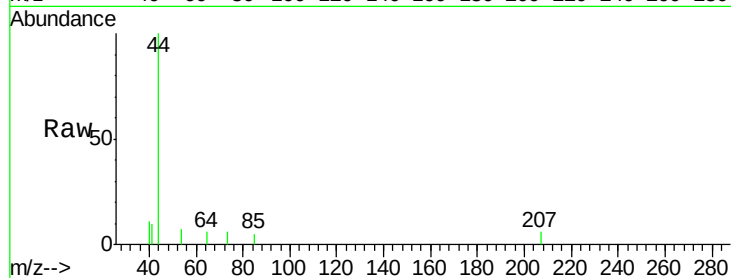
TP-9

Tot Ion: 64 Resp: 163

Ion Ratio Lower Upper

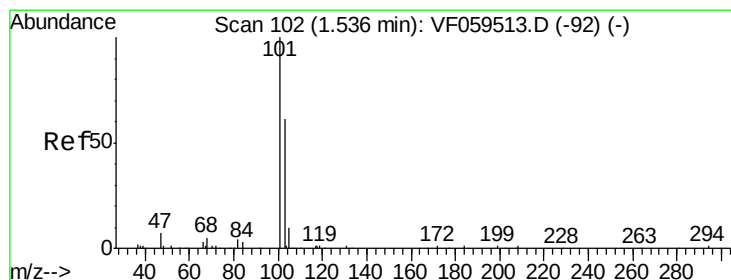
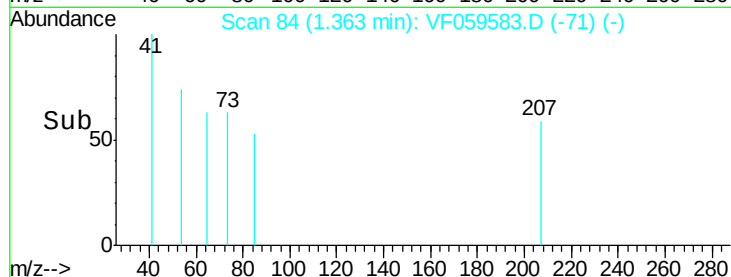
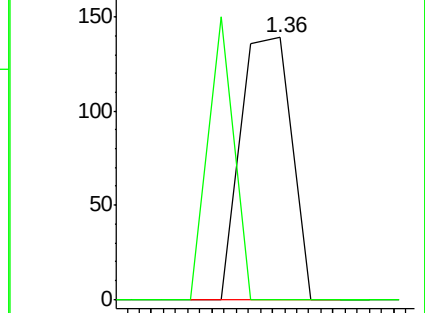
64 100

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



#7

Trichlorofluoromethane

Concen: 11.72 ug/l

RT: 1.61 min Scan# 109

Delta R.T. 0.07 min

Lab File: VF059583.D

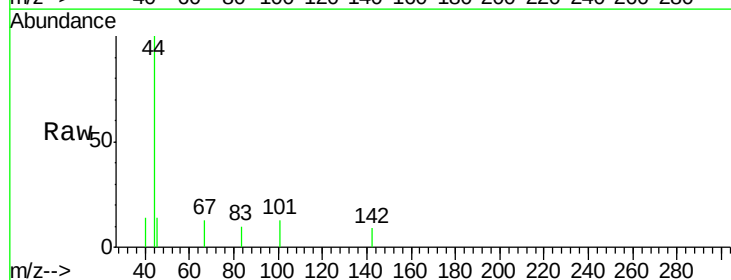
Acq: 20 Jul 2018 4:15

Tgt Ion: 101 Resp: 87

Ion Ratio Lower Upper

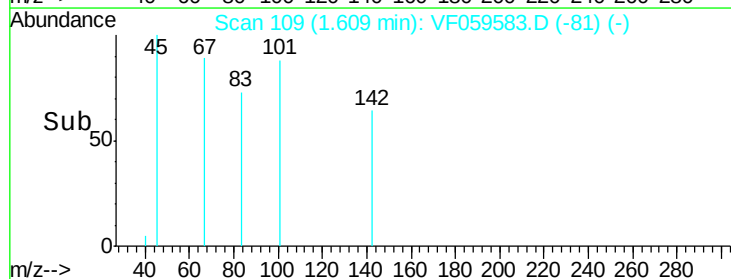
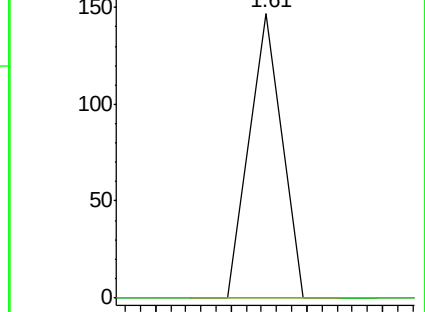
101 100

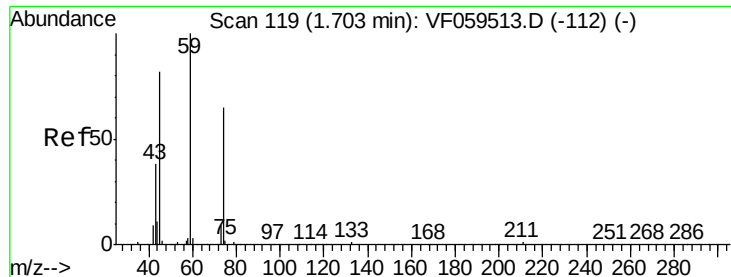
103 0.0 48.6 72.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#8

Diethyl Ether

Concen: 63.69 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 :

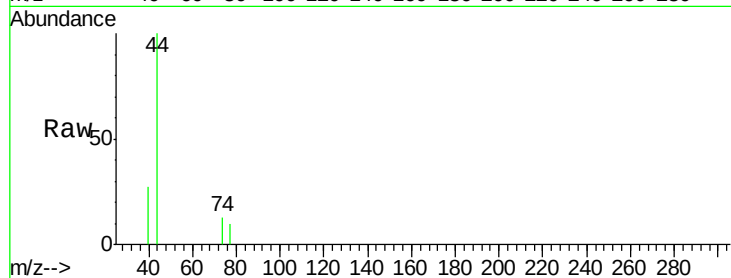
TP-9

Tot Ion: 74 Resp: 91

Ion Ratio Lower Upper

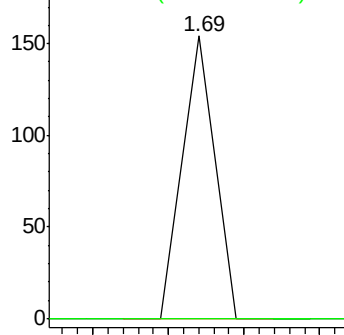
74 100

45 0.0 63.6 190.9#

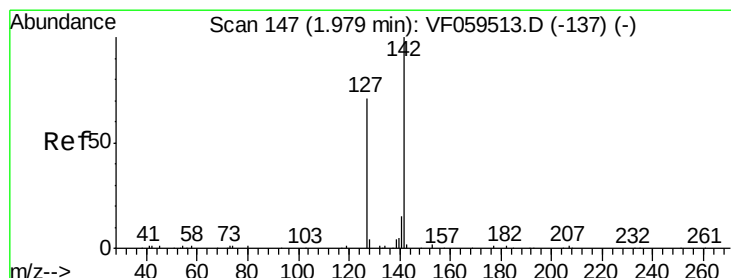
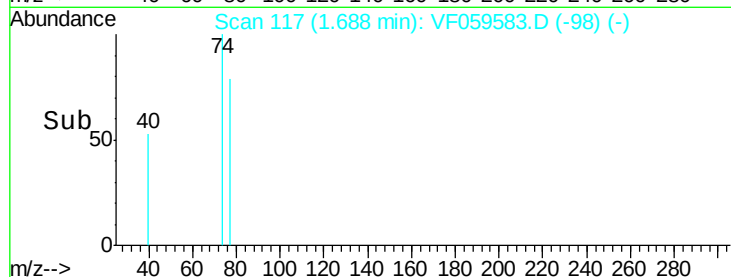


Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



Time-->



#10

Methyl Iodide

Concen: 13.12 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.07 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

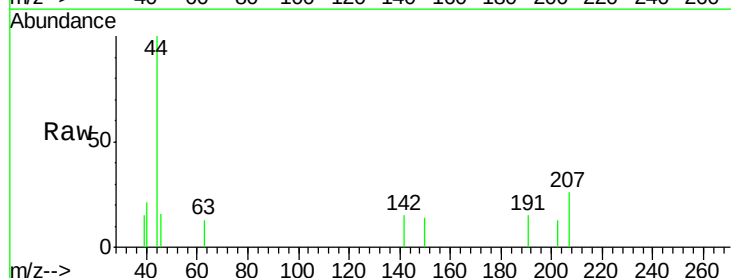
Tgt Ion: 142 Resp: 72

Ion Ratio Lower Upper

142 100

127 0.0 56.4 84.6#

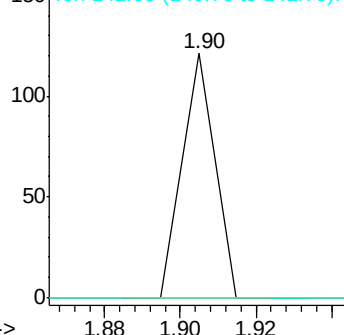
141 0.0 12.0 18.0#



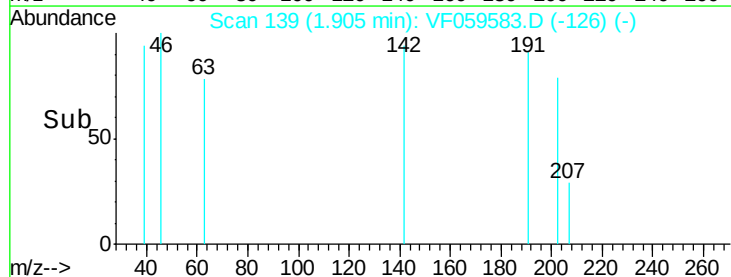
Abundance Ion 142.00 (141.70 to 142.70): V

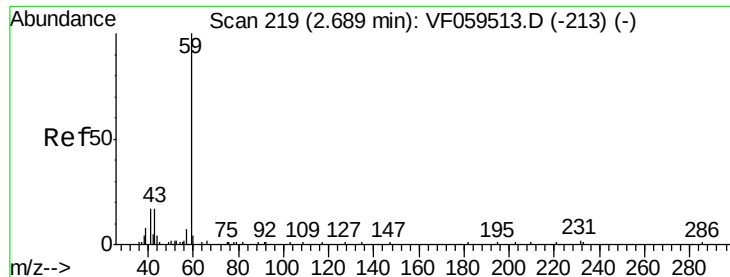
Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



Time-->



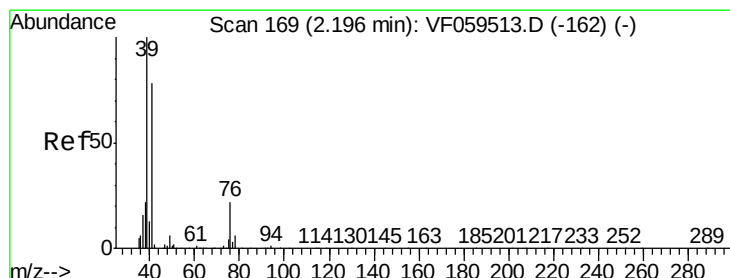
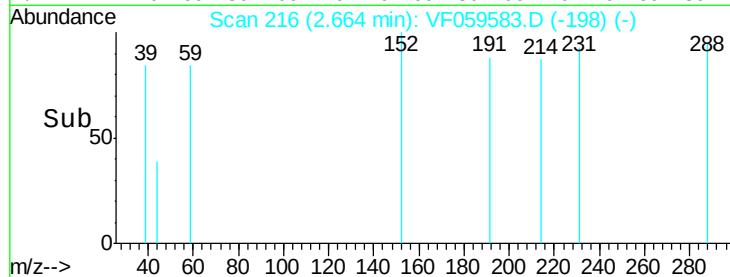
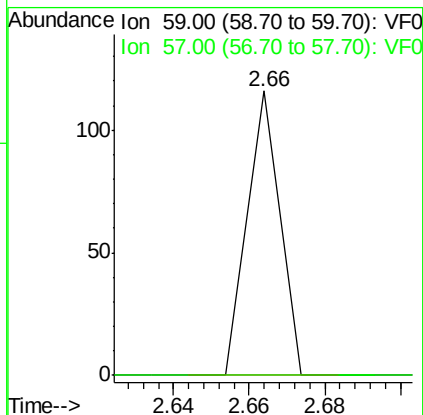
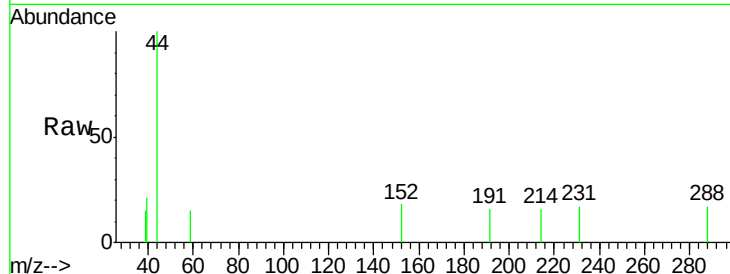


#11

Tert butyl alcohol
Concen: 235.06 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 :
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ClientSampled :
TP-9

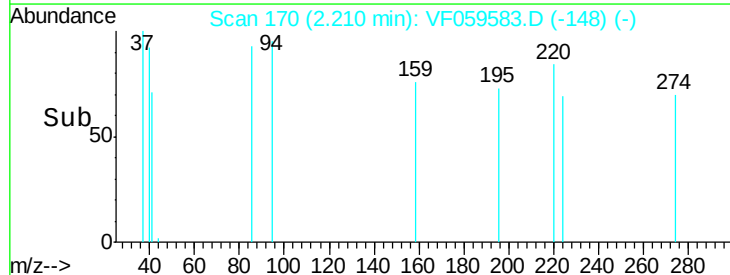
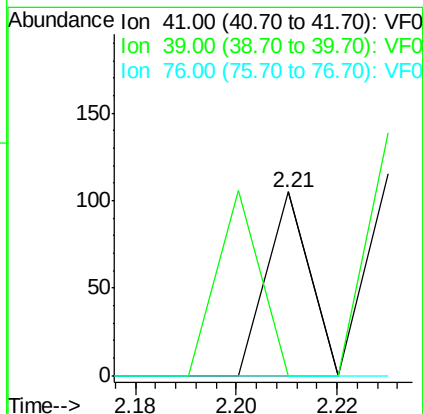
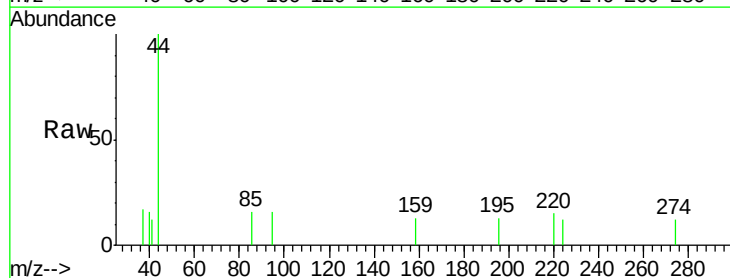
Tot Ion: 59 Resp: 69
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

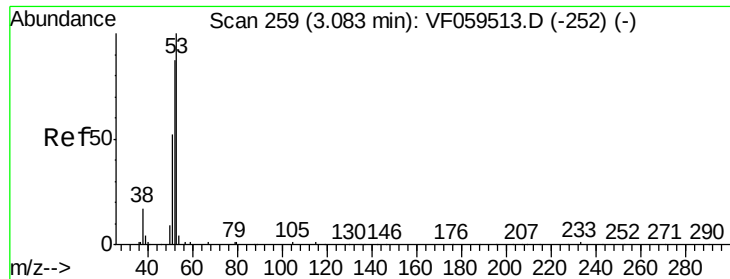


#14

Allyl chloride
Concen: 14.90 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: 103.10 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 :

TP-9

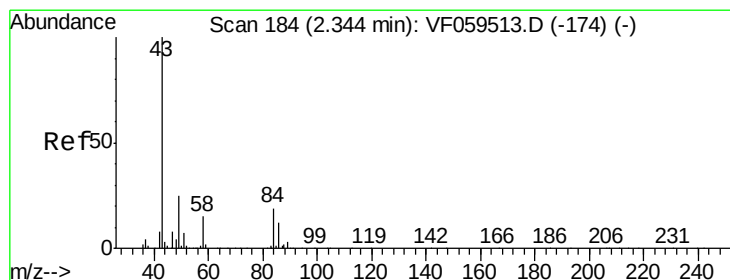
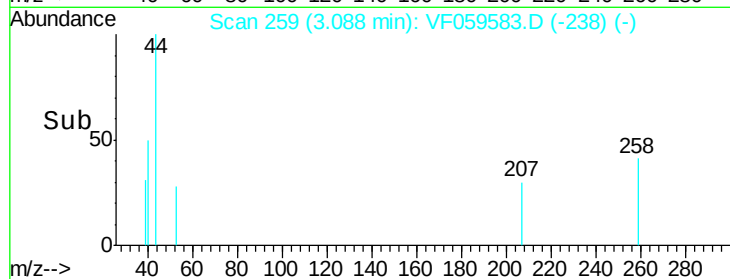
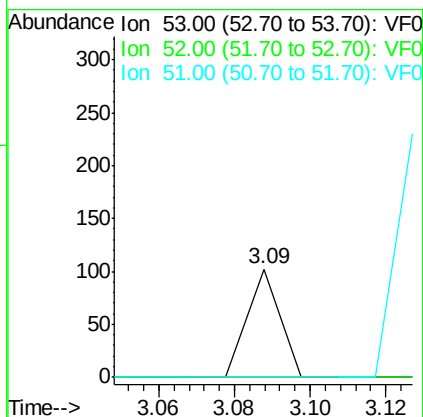
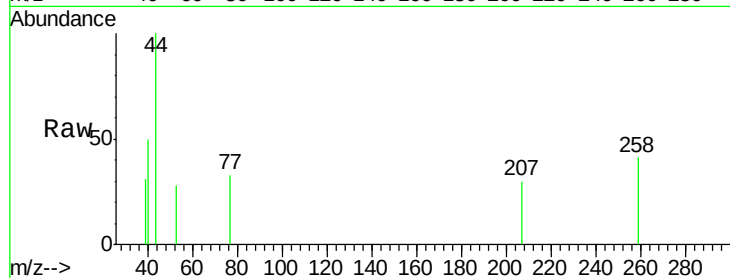
Tot Ion: 53 Resp: 60

Ion Ratio Lower Upper

53 100

52 100.0 70.1 105.1

51 0.0 42.5 63.7#



#16

Acetone

Concen: 37.37 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.02 min

Lab File: VF059583.D

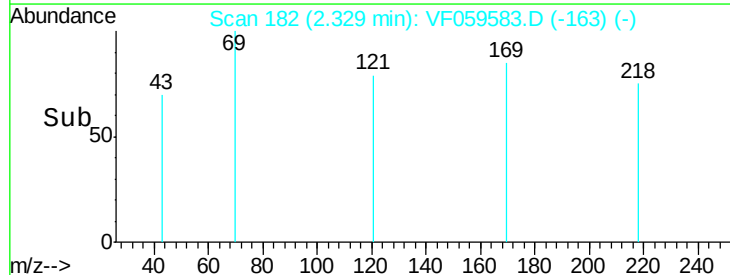
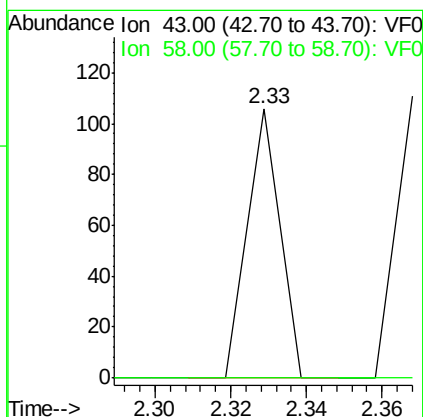
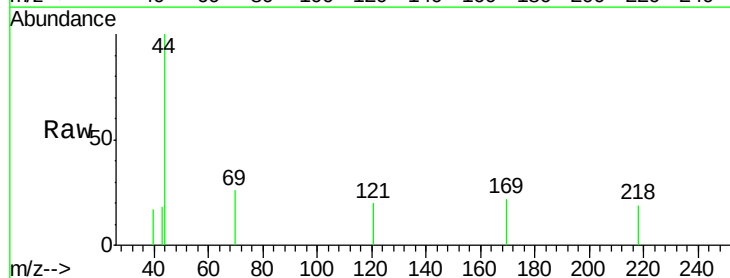
Acq: 20 Jul 2018 4:15

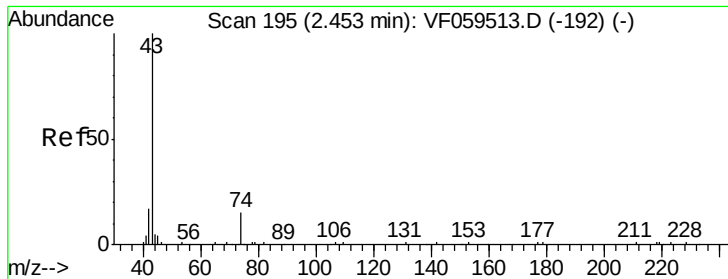
Tgt Ion: 43 Resp: 63

Ion Ratio Lower Upper

43 100

58 0.0 11.8 17.6#

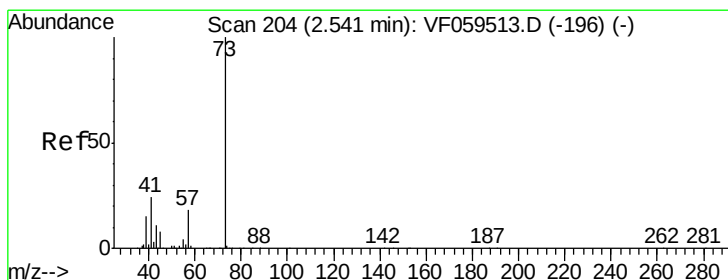
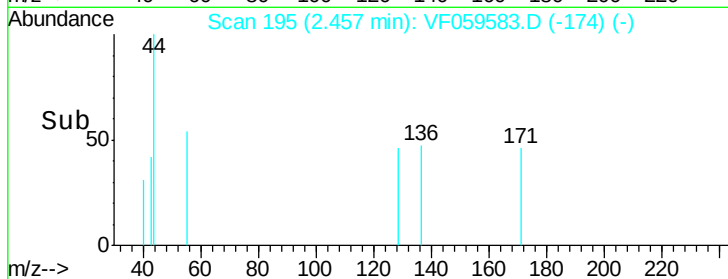
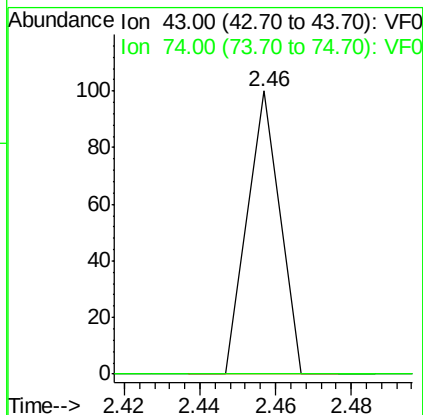
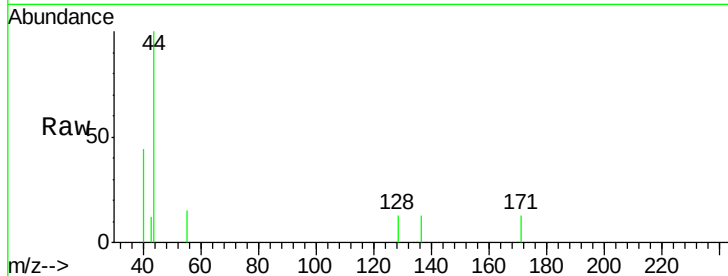




#18
Methyl Acetate
Concen: 26.42 ug/l
RT: 2.46 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF059583.D
Acq: 20 Jul 2018 4:15

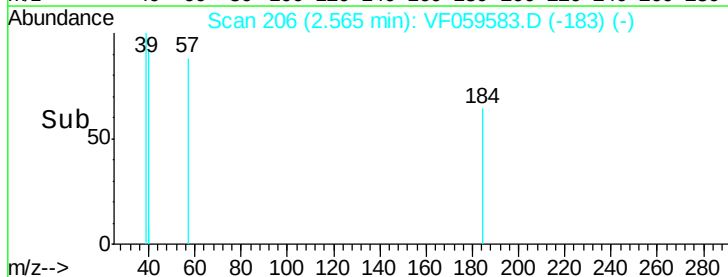
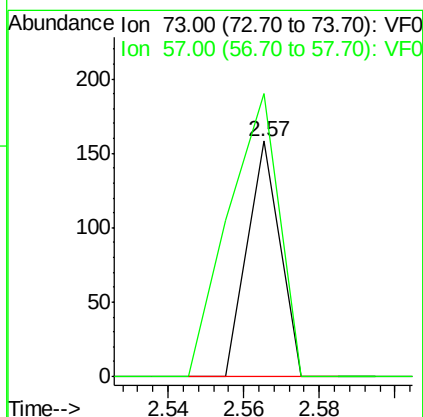
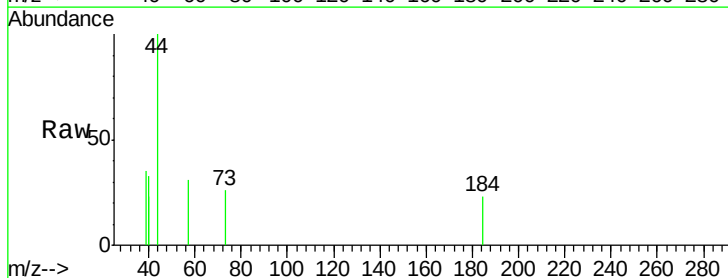
Instrument :
MSVOA_F
ClientSampled :
TP-9

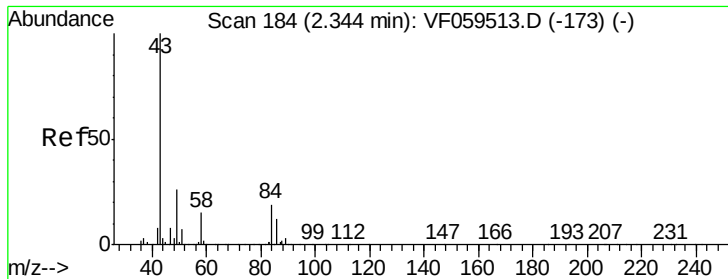
Tot Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
74 0.0 10.6 15.8#



#19
Methyl tert-butyl Ether
Concen: 8.89 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#

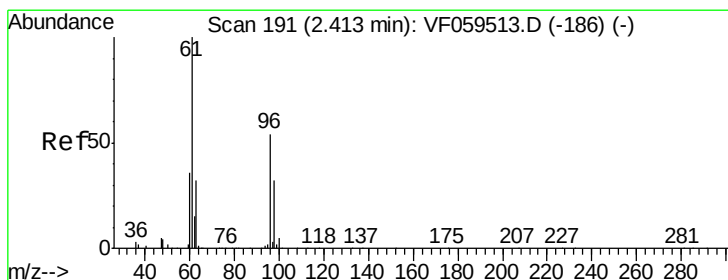
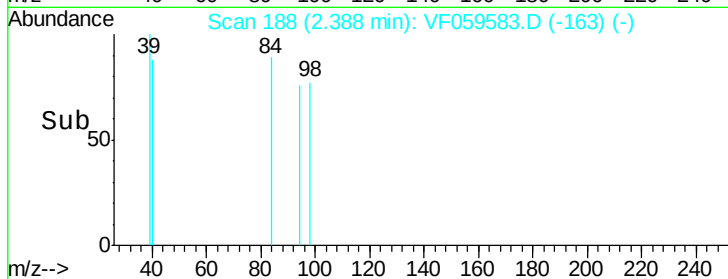
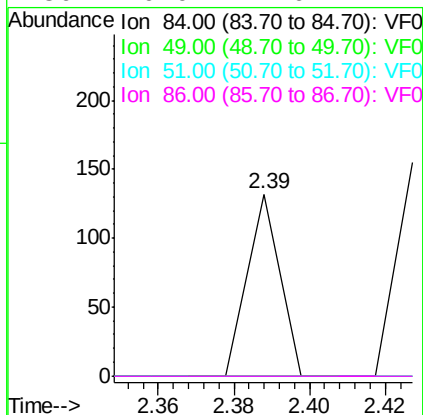
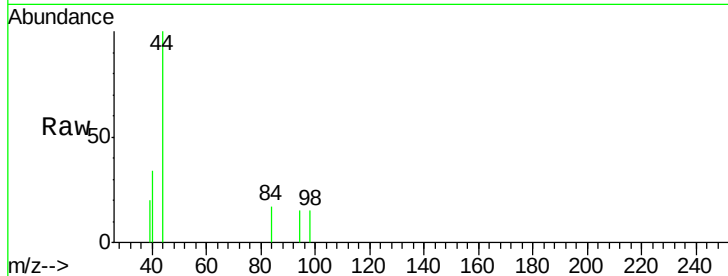




#20
Methylene Chloride
Concen: 22.39 ug/l
RT: 2.39 min Scan# 188
Delta R.T. 0.04 min
Lab File: VF059583.D
Acq: 20 Jul 2018 4:15

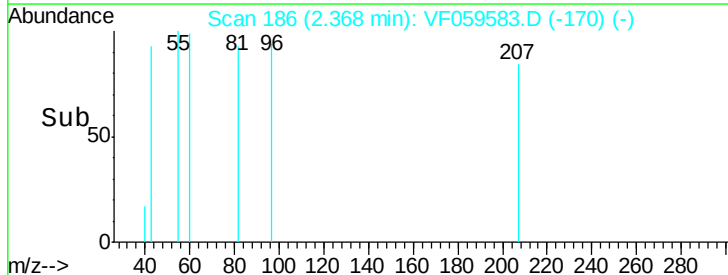
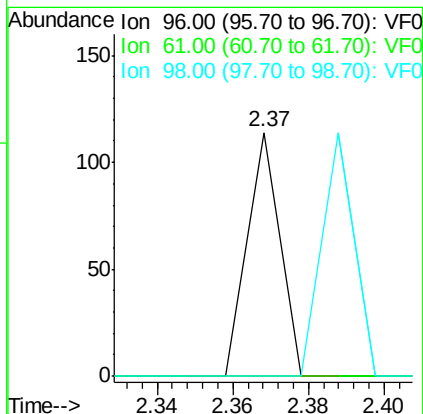
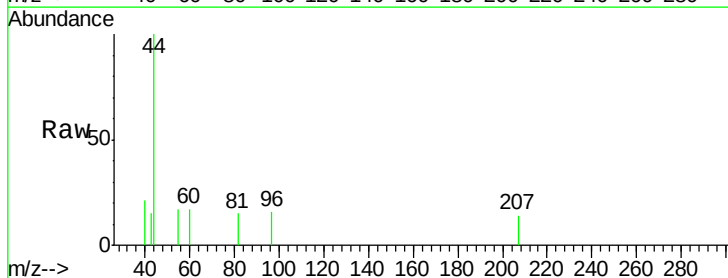
Instrument :
MSVOA_F
ClientSampleId :
TP-9

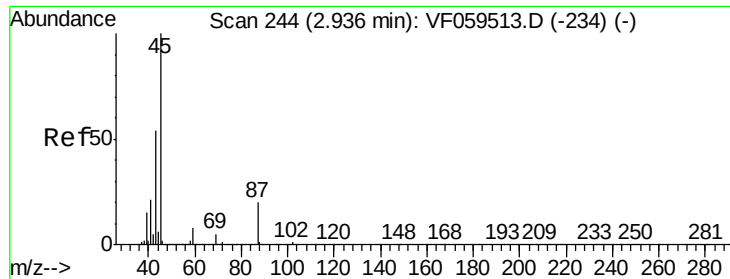
Tot Ion:	84	Resp:	78
Ion	Ratio	Lower	Upper
84	100		
49	0.0	109.4	164.2#
51	0.0	30.5	45.7#
86	0.0	47.6	71.4#



#21
trans-1,2-Dichloroethene
Concen: 21.73 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#

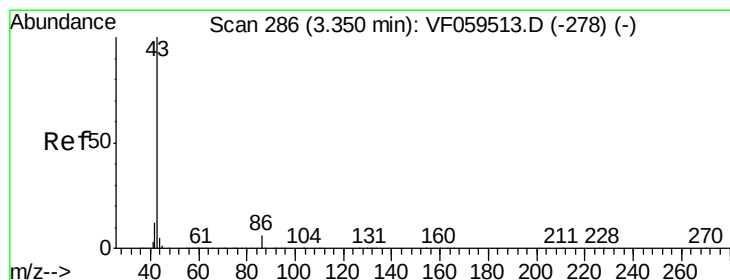
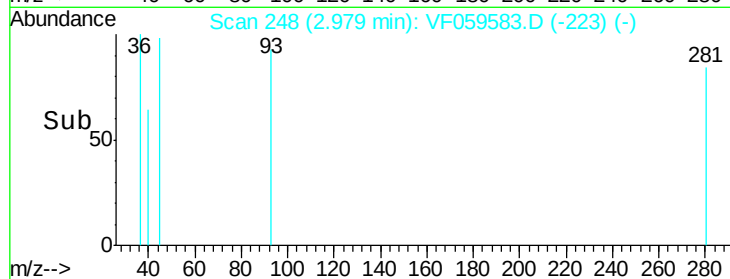
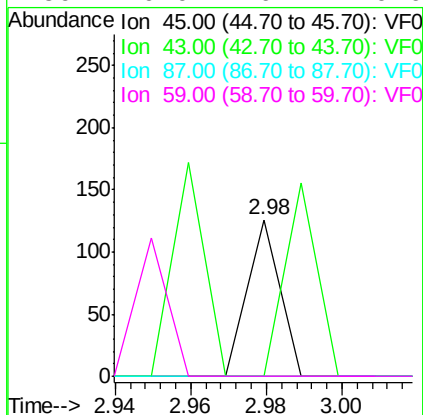
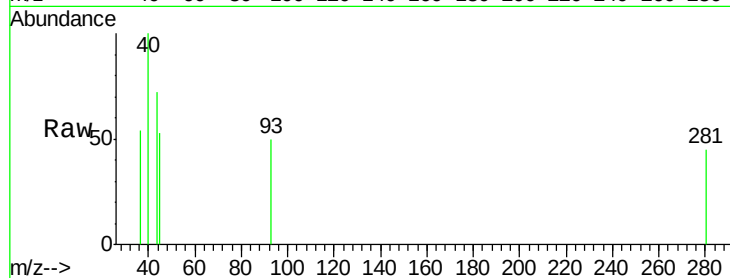




#22
Diisopropyl ether
Concen: 6.41 ug/l
RT: 2.98 min Scan# 248
Delta R.T. 0.04 min
Lab File: VF059583.D
Acq: 20 Jul 2018 4:15

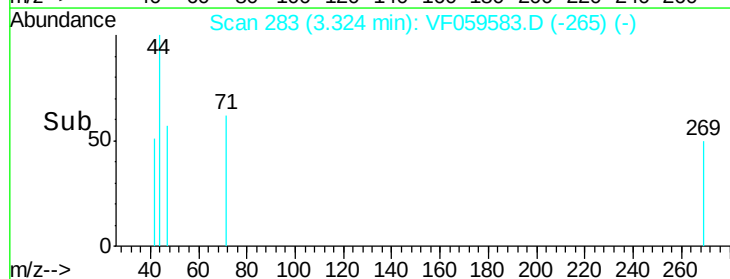
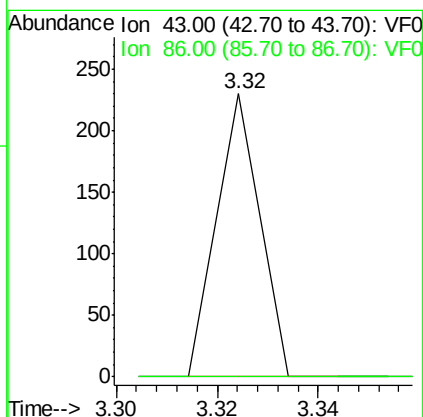
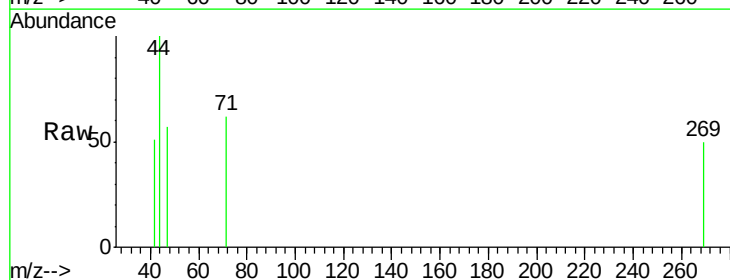
Instrument :
MSVOA_F
ClientSampled :
TP-9

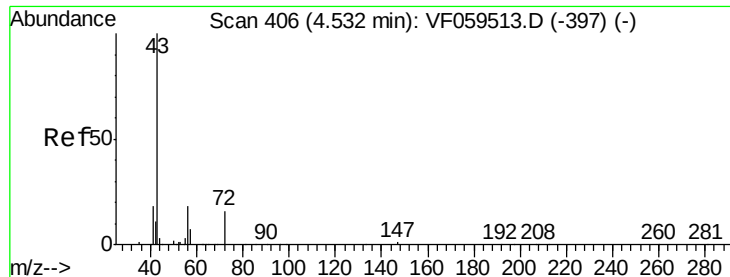
Tot Ion:	45	Resp:	75
Ion	Ratio	Lower	Upper
45	100		
43	0.0	43.6	65.4#
87	0.0	15.6	23.4#
59	0.0	6.4	9.6#



#23
Vinyl Acetate
Concen: 19.90 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: 147.17 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 :

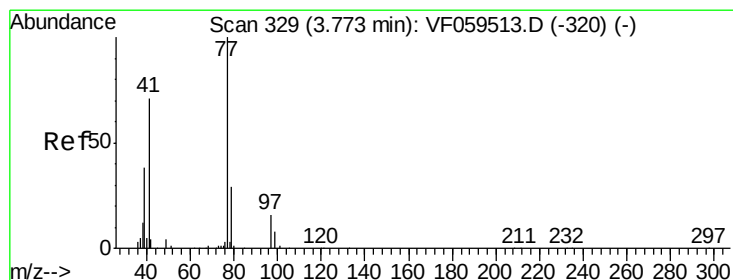
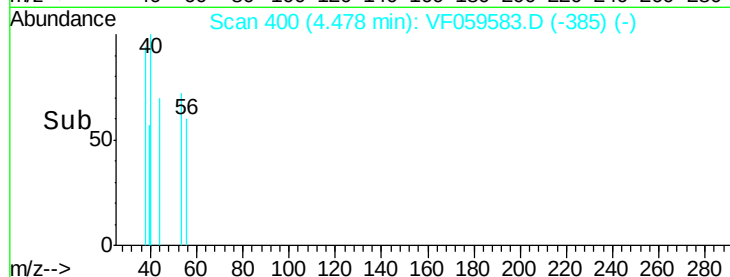
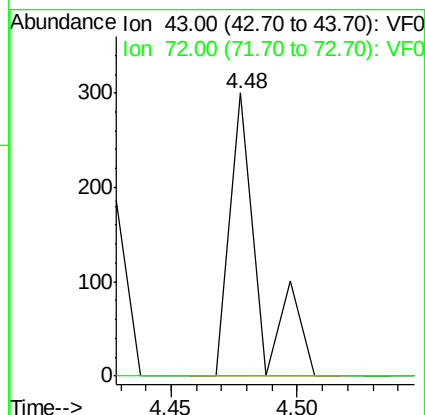
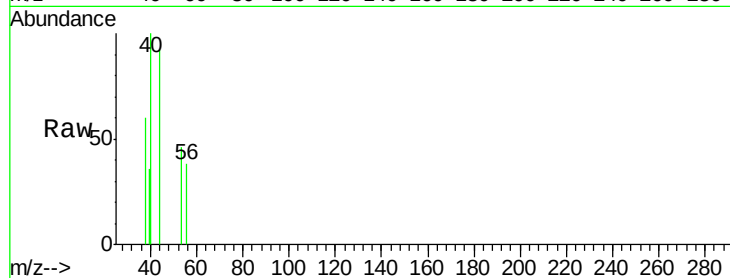
TP-9

Tot Ion: 43 Resp: 237

Ion Ratio Lower Upper

43 100

72 0.0 14.2 21.4#



#26

2,2-Dichloropropane

Concen: 41.23 ug/l

RT: 3.91 min Scan# 342

Delta R.T. 0.13 min

Lab File: VF059583.D

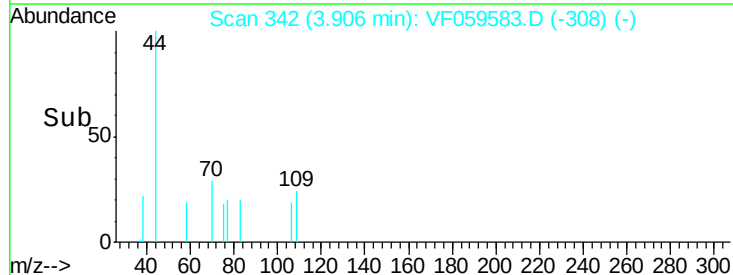
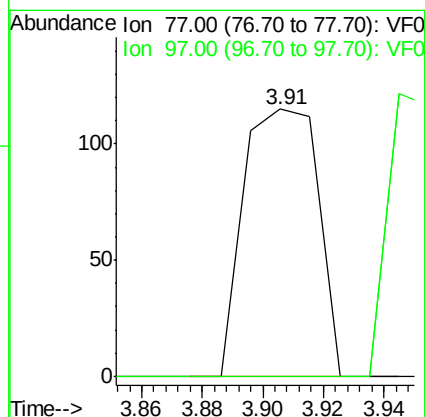
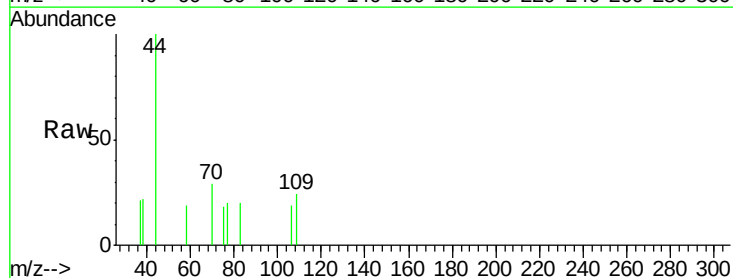
Acq: 20 Jul 2018 4:15

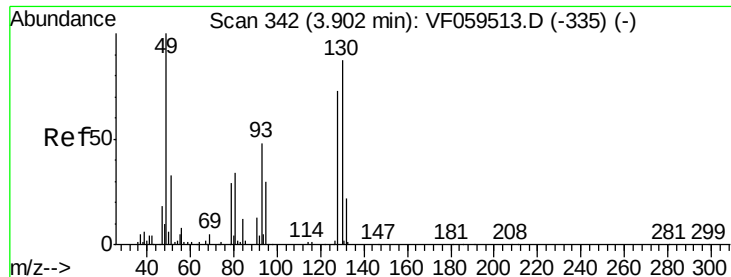
Tgt Ion: 77 Resp: 197

Ion Ratio Lower Upper

77 100

97 0.0 8.1 24.3#





#28

Bromochloromethane

Concen: 19.19 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 :

TP-9

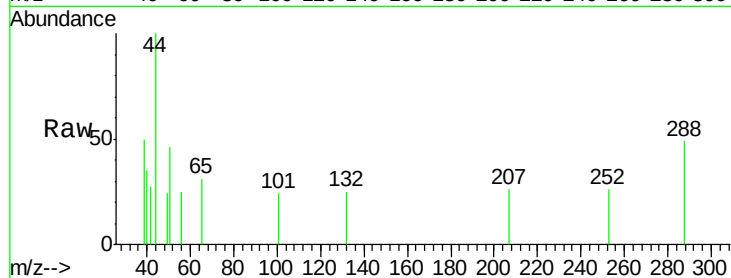
Tot Ion: 49 Resp: 61

Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.0

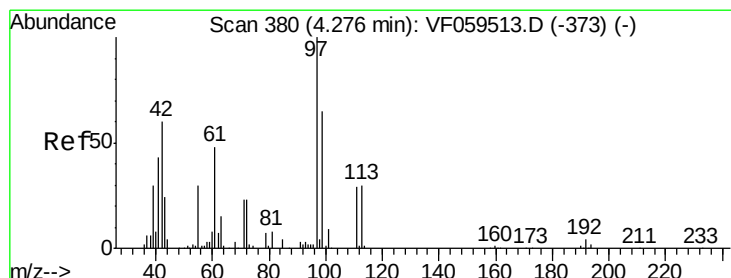
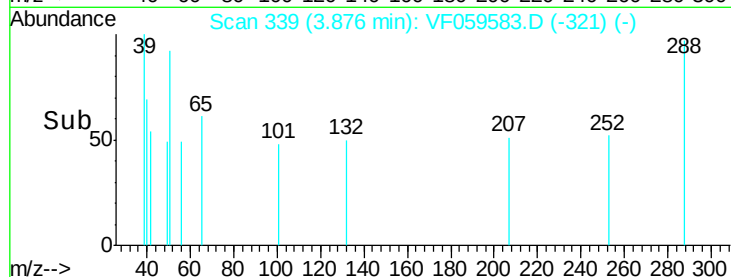
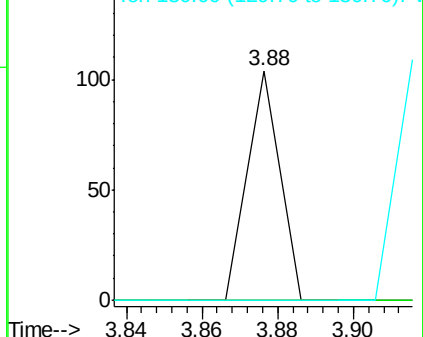
130 0.0 69.8 104.6#



Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): VF0

Ion 130.00 (129.70 to 130.70): VF0



#29

Tetrahydrofuran

Concen: 91.74 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

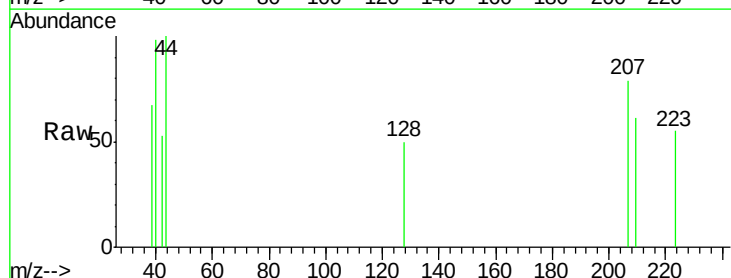
Tgt Ion: 42 Resp: 69

Ion Ratio Lower Upper

42 100

72 0.0 28.7 43.1#

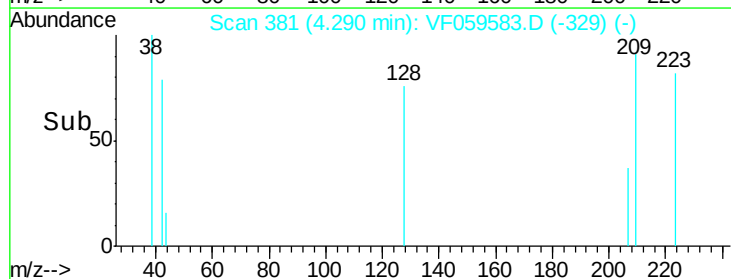
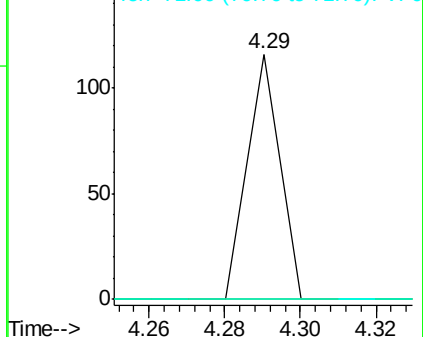
71 0.0 30.8 46.2#

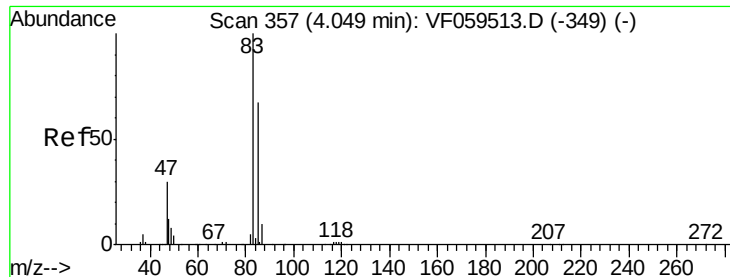


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

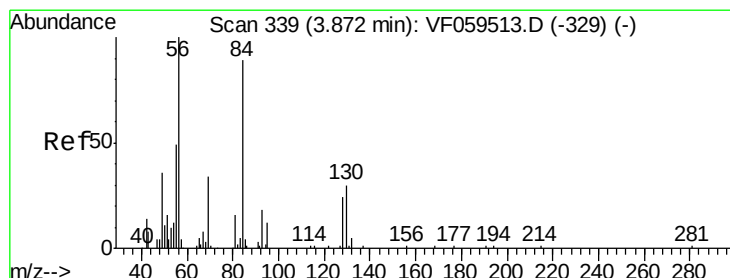
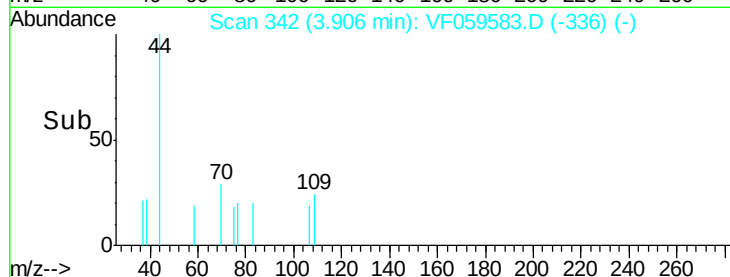
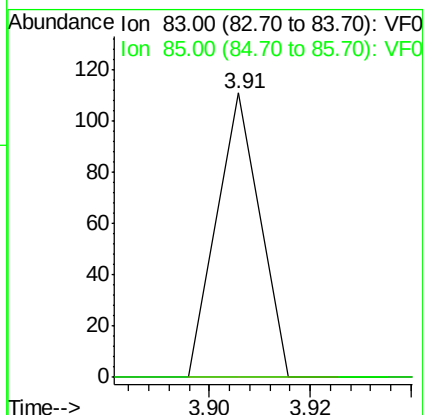
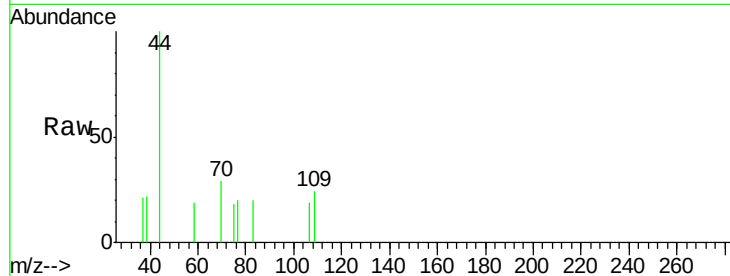




#30
Chloroform
Concen: 6.33 ug/l
RT: 3.91 min Scan# 342
Delta R.T. -0.14 min
Lab File: VF059583.D
Acq: 20 Jul 2018 4:15

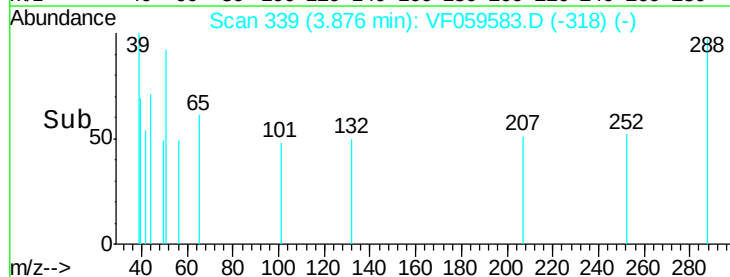
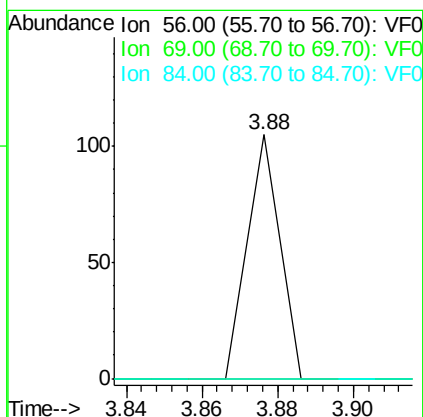
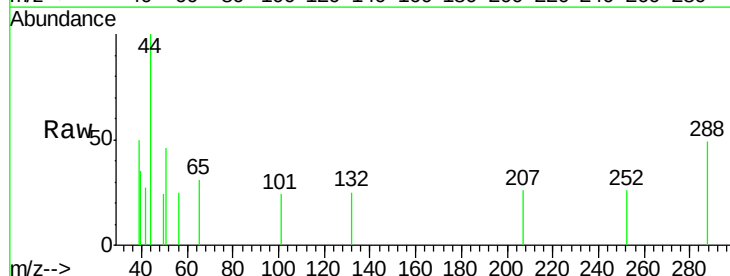
Instrument :
MSVOA_F
ClientSampled :
TP-9

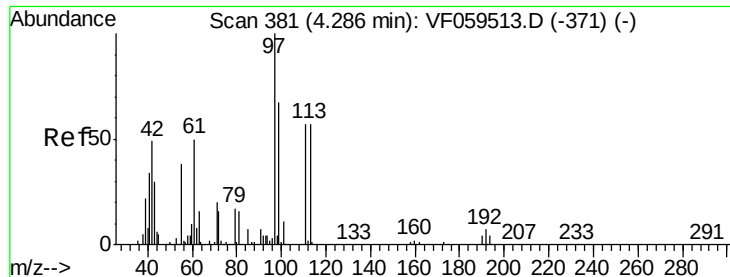
Tot Ion: 83 Resp: 66
Ion Ratio Lower Upper
83 100
85 0.0 53.2 79.8#



#31
Cyclohexane
Concen: 16.57 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: 9.59 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 :

TP-9

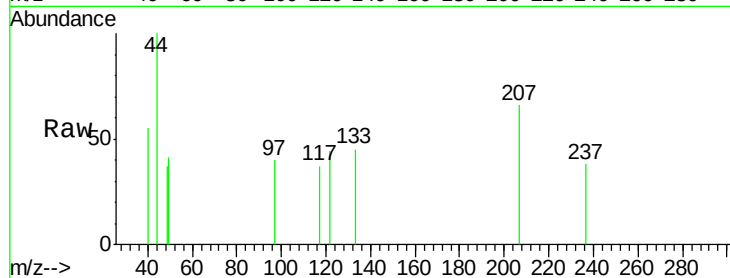
Tot Ion: 97 Resp: 65

Ion Ratio Lower Upper

97 100

99 0.0 53.5 80.3#

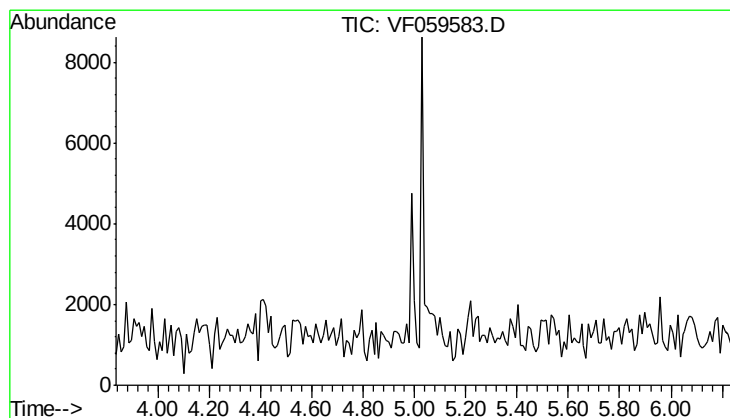
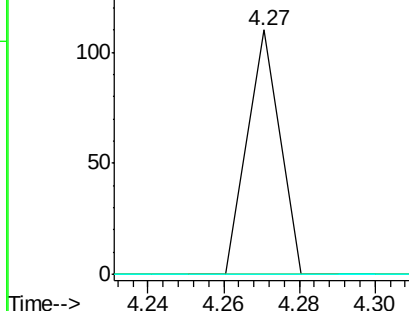
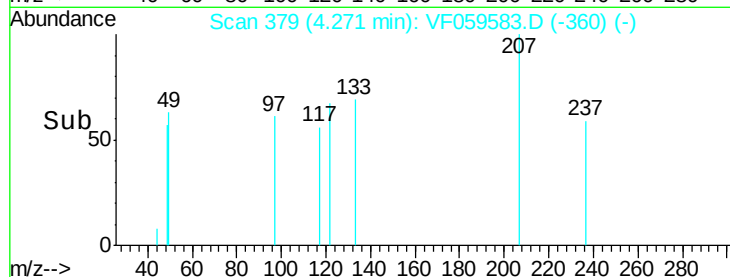
61 0.0 39.7 59.5#



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: 0.00 ug/l

Expected RT: 5.04 min

Lab File: VF059583.D

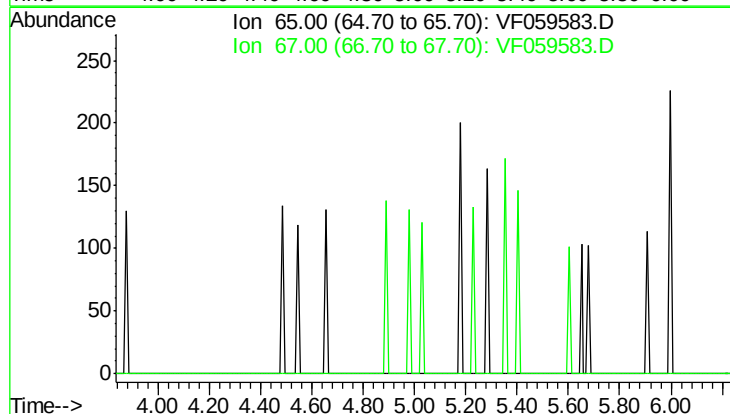
Acq: 20 Jul 2018 4:15

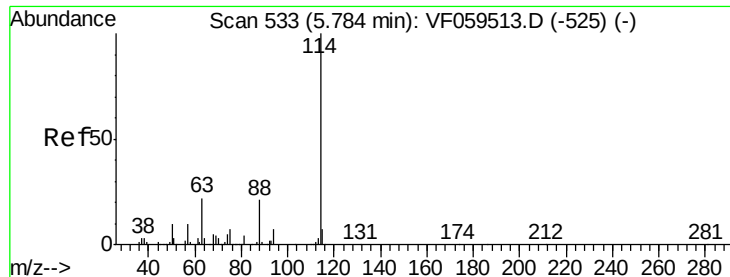
Tgt Ion: 65

Sig Exp Ratio

65 100

67 45.6

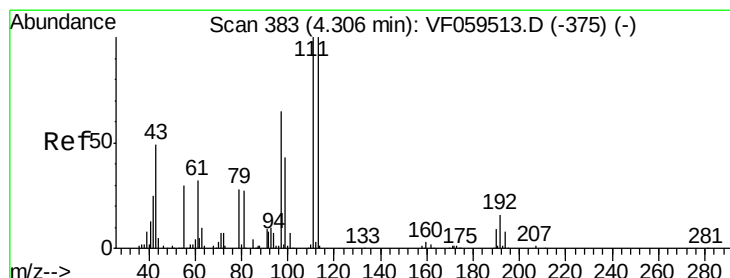
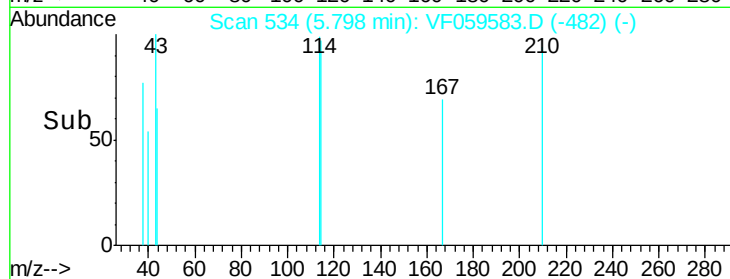
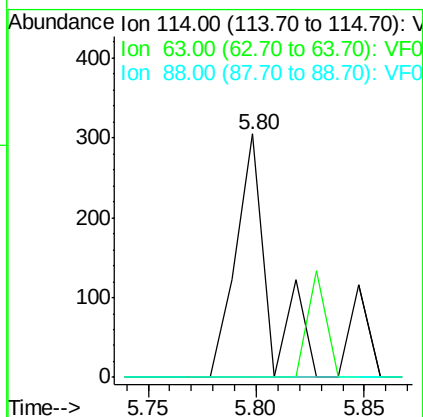
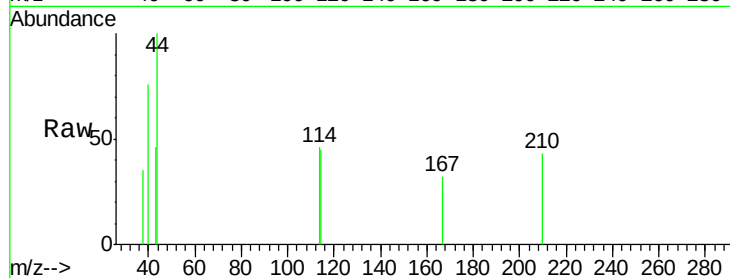




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.80 min Scan# 534
Delta R.T. 0.01 min
Lab File: VF059583.D
Acq: 20 Jul 2018 4:15

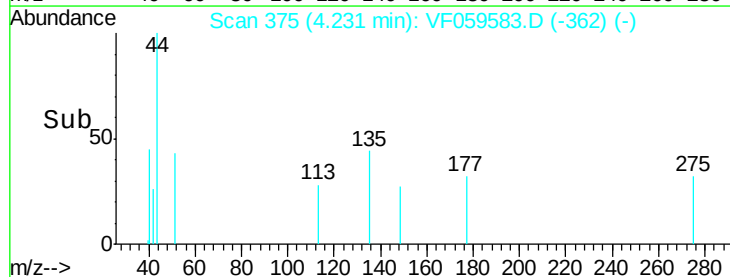
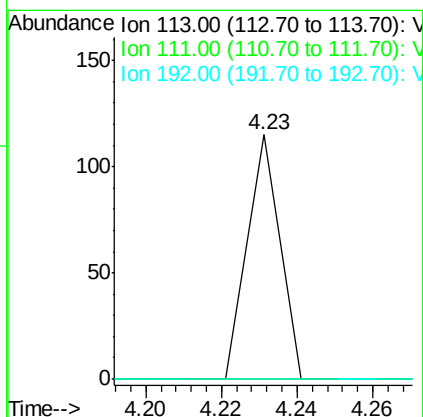
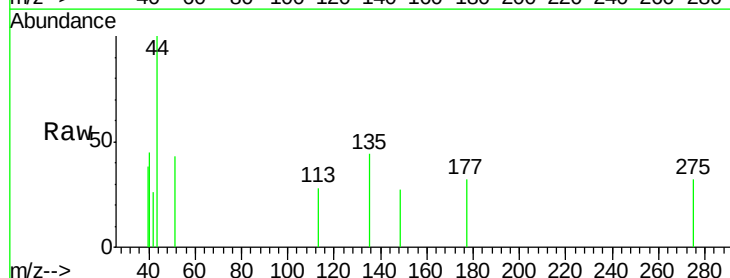
Instrument :
MSVOA_F
ClientSampleId :
TP-9

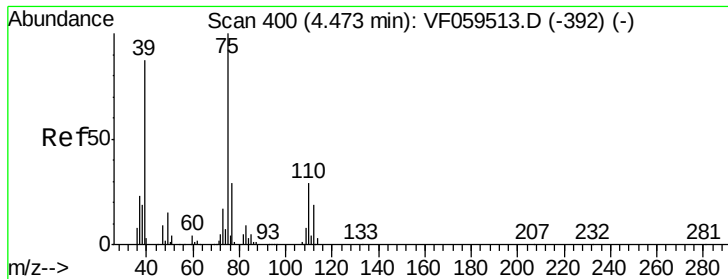
Tot Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	44.8
88	0.0	0.0	42.6



#35
Dibromofluoromethane
Concen: 24.16 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	Ratio	Lower	Upper
113	100		
111	0.0	80.3	120.5#
192	0.0	13.1	19.7#

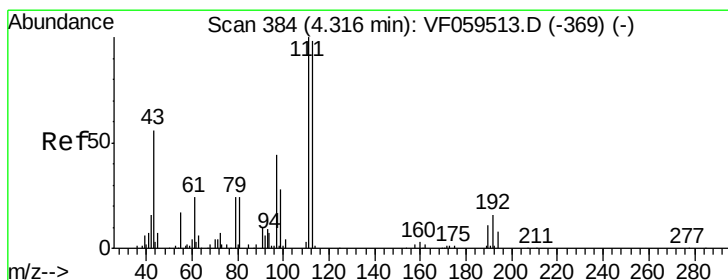
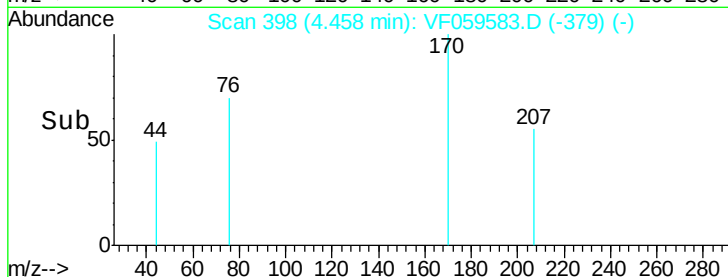
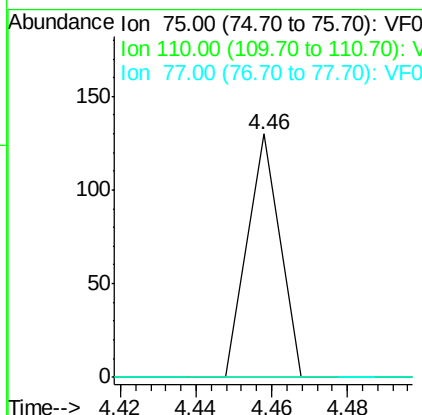
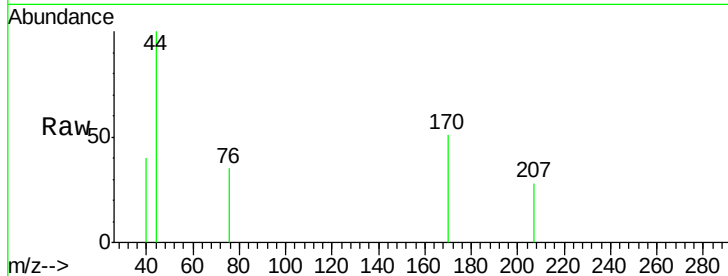




#36
 1,1-Dichloropropene
 Concen: 23.67 ug/l
 RT: 4.46 min Scan# 398
 Delta R.T. -0.02 min
 Lab File: VF059583.D
 Acq: 20 Jul 2018 4:15

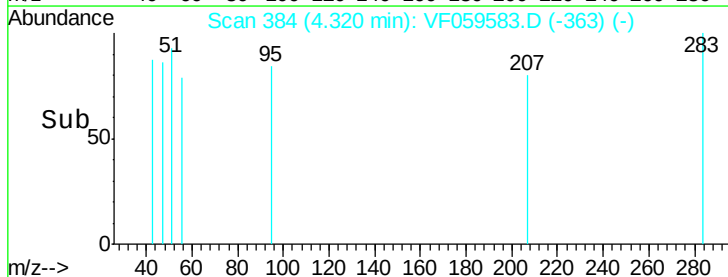
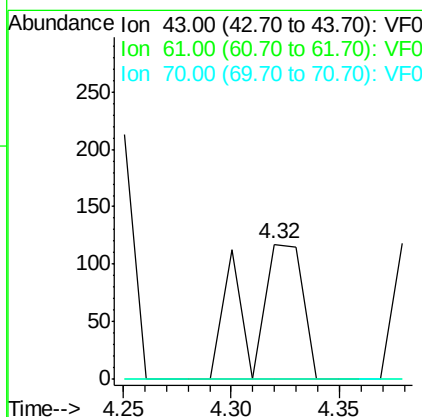
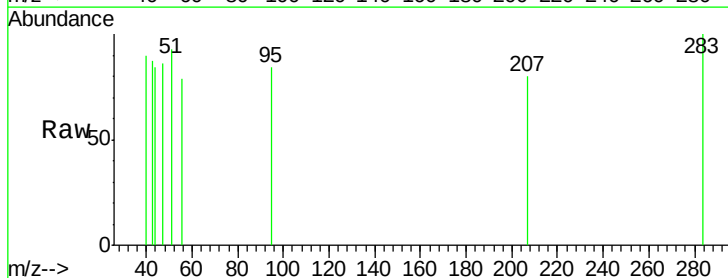
Instrument :
 MSVOA_F
 ClientSampled :
 TP-9

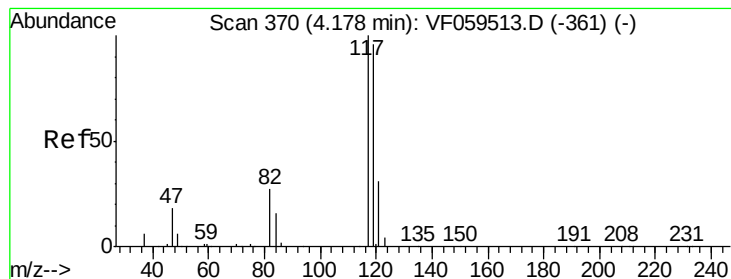
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	14.6	43.8#
77	0.0	23.7	35.5#



#37
 Ethyl Acetate
 Concen: 125.04 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	Ratio	Lower	Upper
43	100		
61	0.0	33.7	50.5#
70	0.0	7.4	11.0#





#38

Carbon Tetrachloride

Concen: 16.09 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 :

TP-9

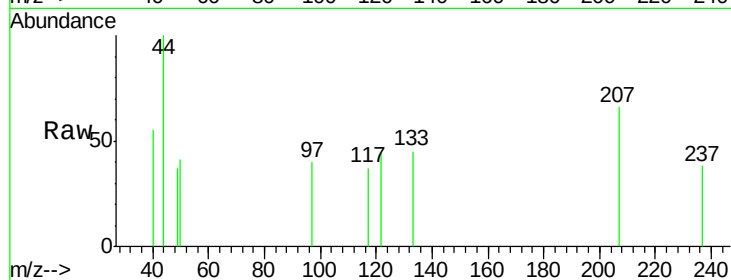
Tot Ion:117 Resp: 60

Ion Ratio Lower Upper

117 100

119 0.0 77.6 116.4#

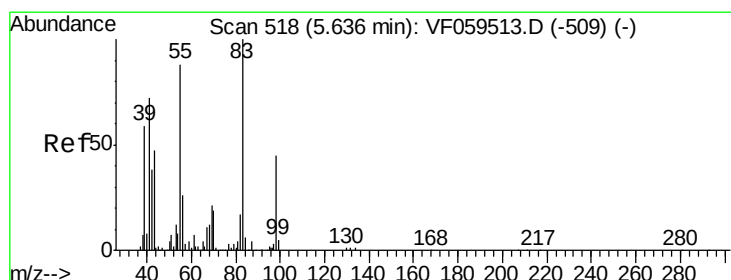
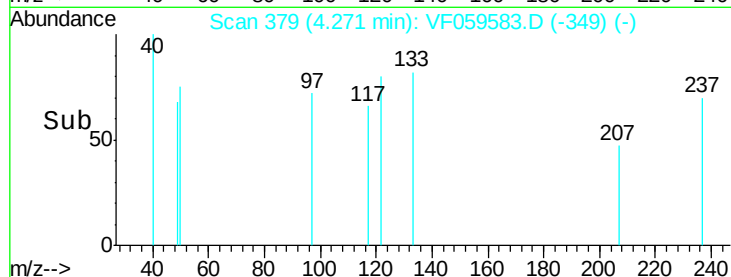
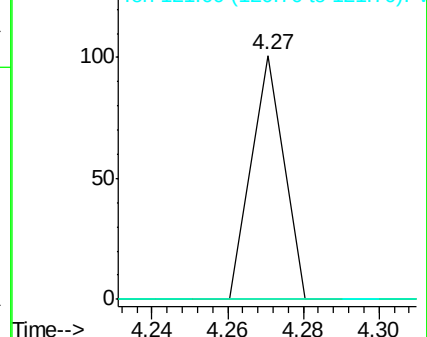
121 0.0 24.9 37.3#



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: 28.76 ug/l

RT: 5.54 min Scan# 508

Delta R.T. -0.09 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

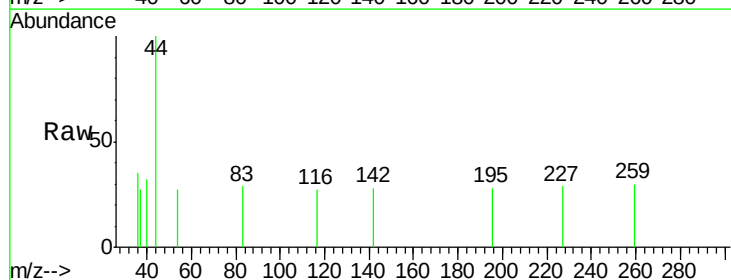
Tgt Ion: 83 Resp: 71

Ion Ratio Lower Upper

83 100

55 0.0 70.2 105.4#

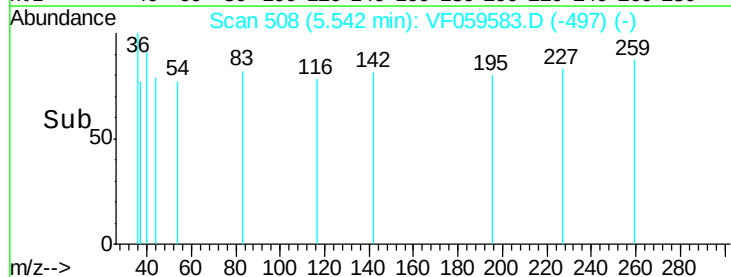
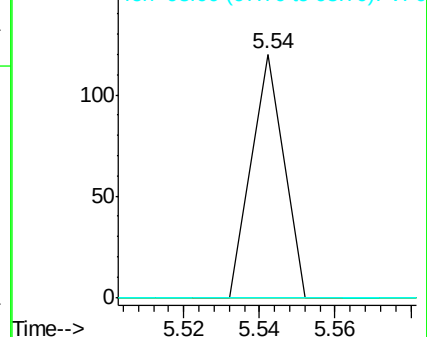
98 0.0 36.2 54.2#

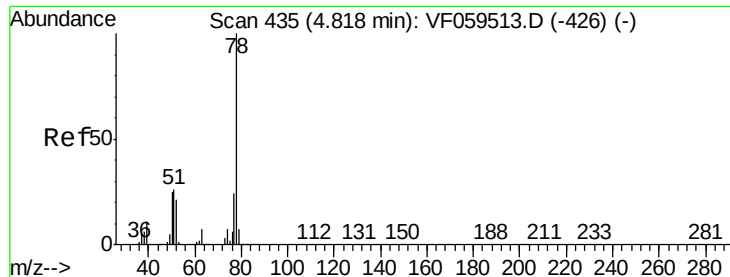


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#40

Benzene

Concen: 10.93 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 :

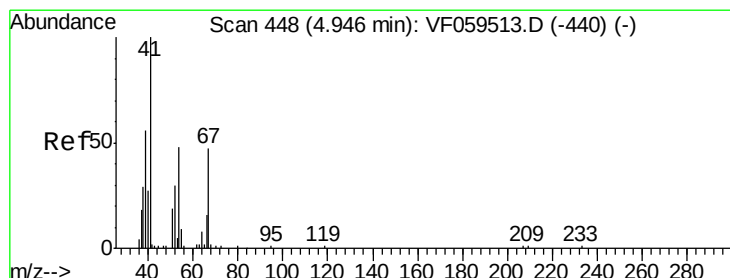
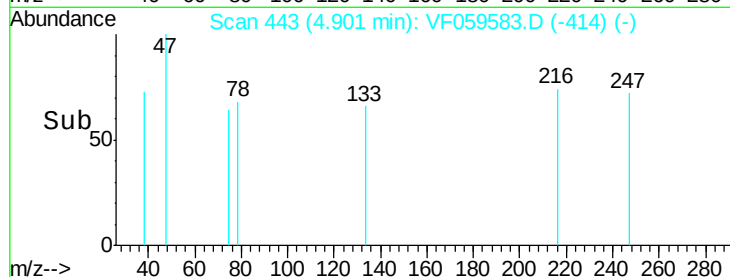
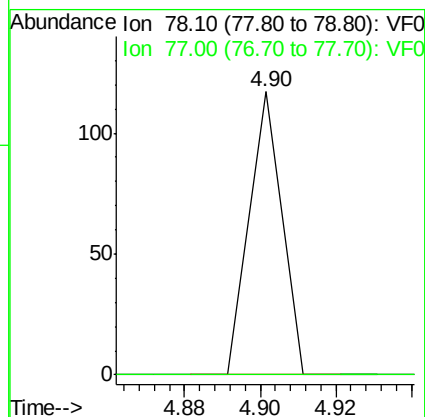
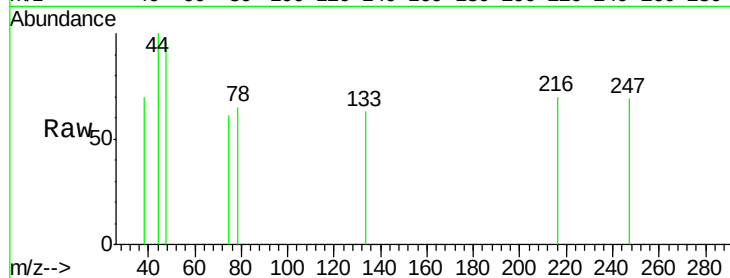
TP-9

Tot Ion: 78 Resp: 69

Ion Ratio Lower Upper

78 100

77 0.0 19.4 29.0#



#41

Methacrylonitrile

Concen: 68.60 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

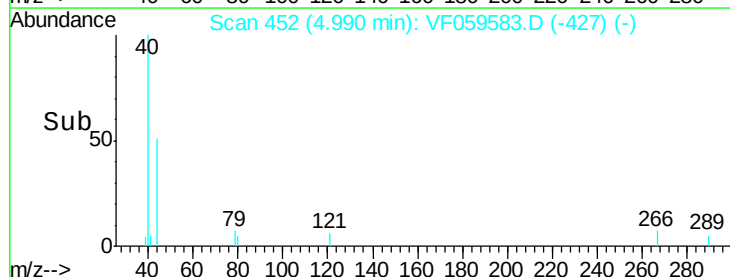
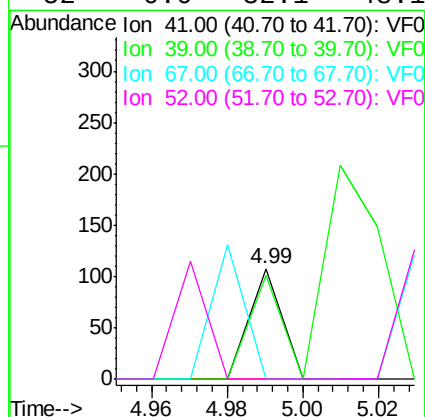
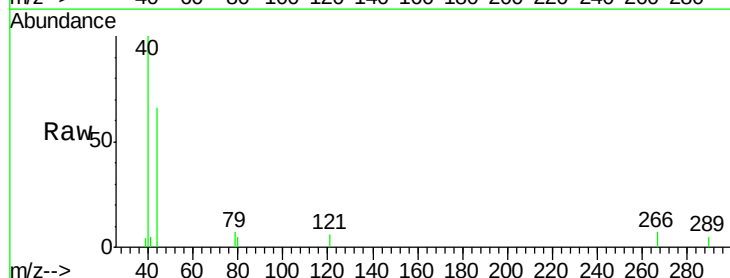
Ion Ratio Lower Upper

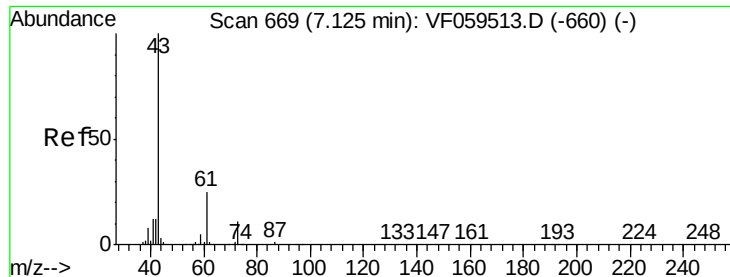
41 100

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: 26.10 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

ClientSampled :

TP-9

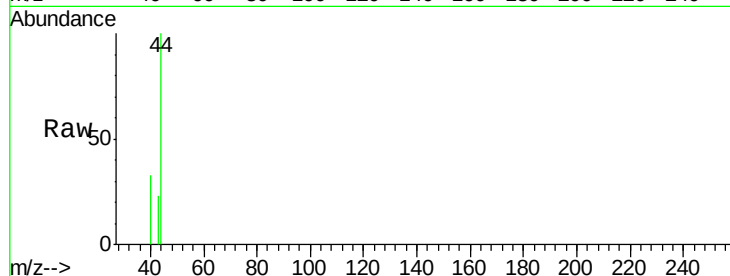
Tot Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

61 0.0 20.3 30.5#

87 0.0 0.4 0.6#

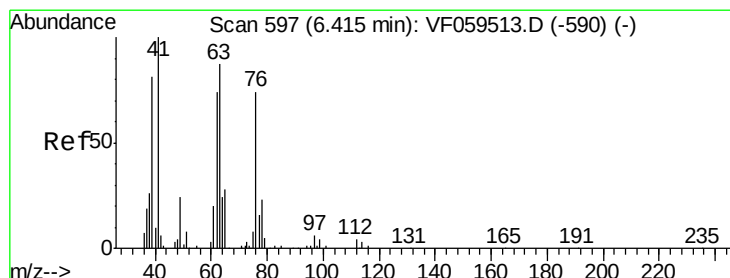
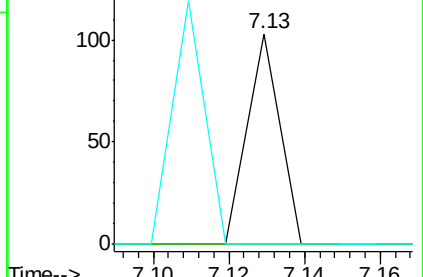
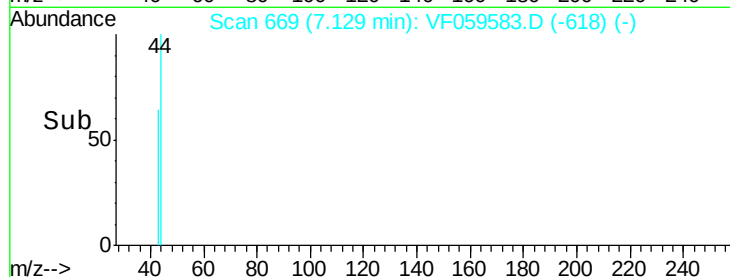


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Time-->



#45

1,2-Dichloropropane

Concen: 39.96 ug/l

RT: 6.33 min Scan# 588

Delta R.T. -0.08 min

Lab File: VF059583.D

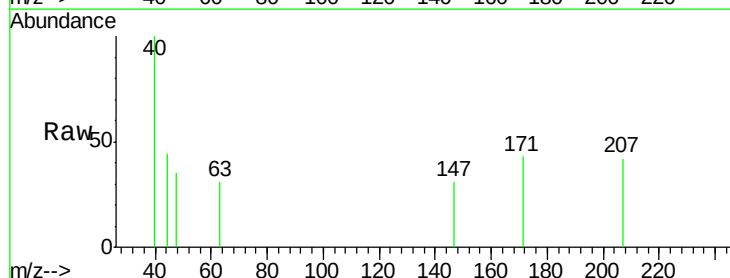
Acq: 20 Jul 2018 4:15

Tgt Ion: 63 Resp: 70

Ion Ratio Lower Upper

63 100

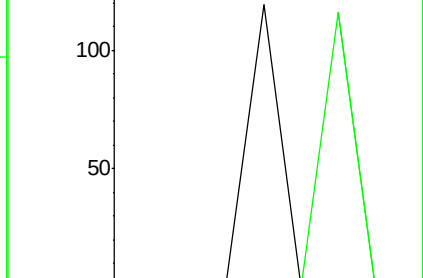
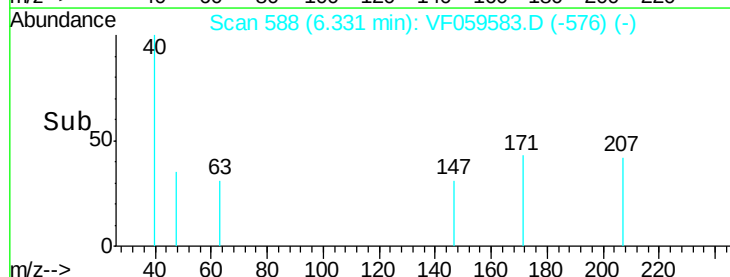
65 0.0 26.1 39.1#

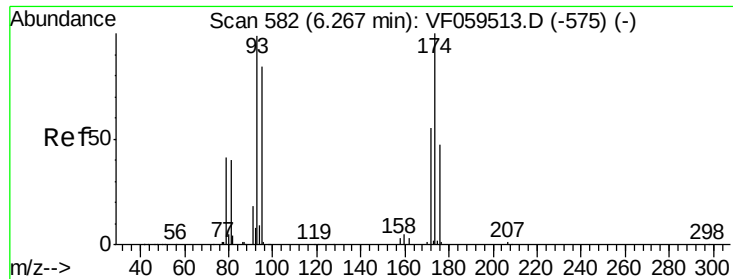


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

Time-->





#46

Dibromomethane

Concen: 40.12 ug/l

RT: 6.31 min Scan# 586

Delta R.T. 0.04 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

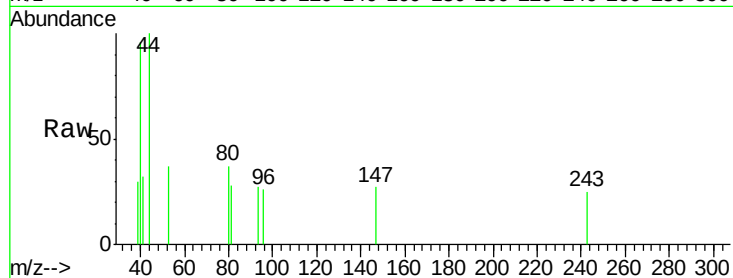
Instrument :

MSVOA_F

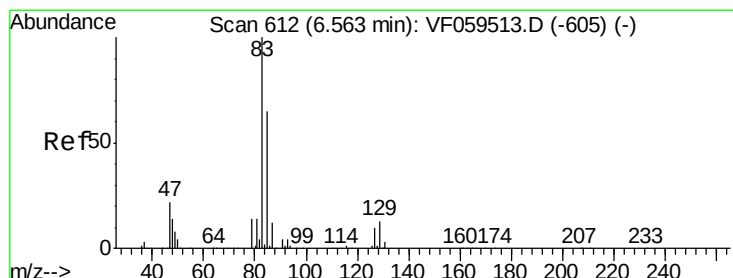
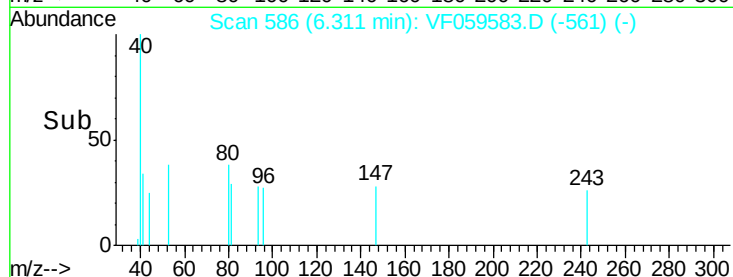
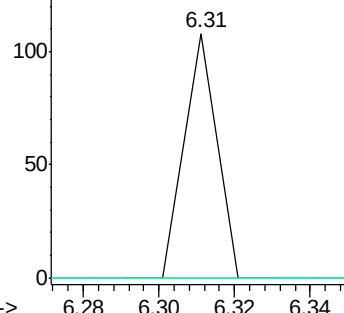
ClientSampled :

TP-9

Tot Ion:	93	Resp:	64
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: 19.00 ug/l

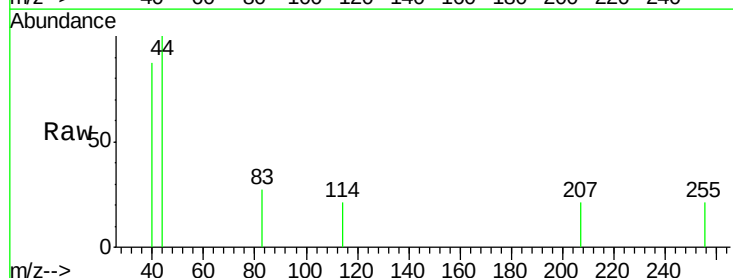
RT: 6.42 min Scan# 597

Delta R.T. -0.14 min

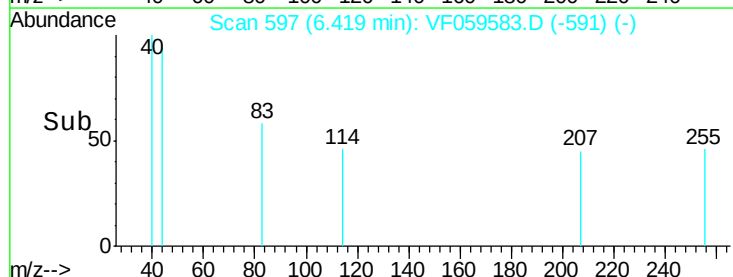
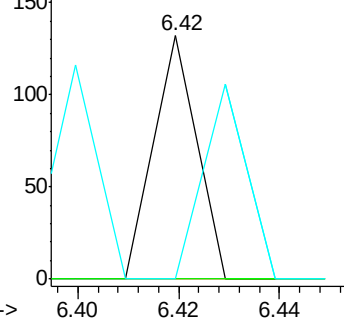
Lab File: VF059583.D

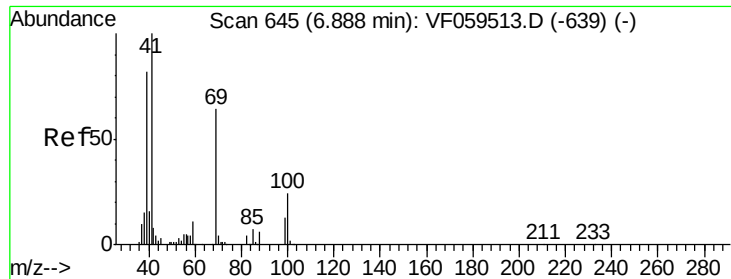
Acq: 20 Jul 2018 4:15

Tgt Ion:	83	Resp:	78
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

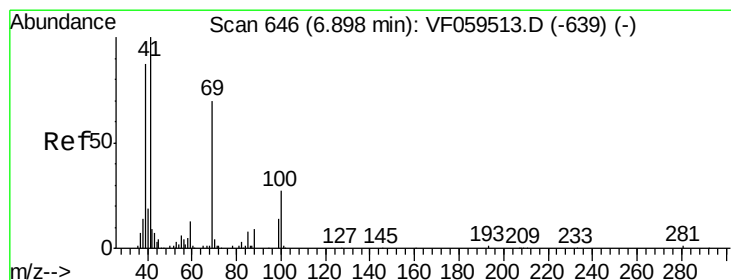
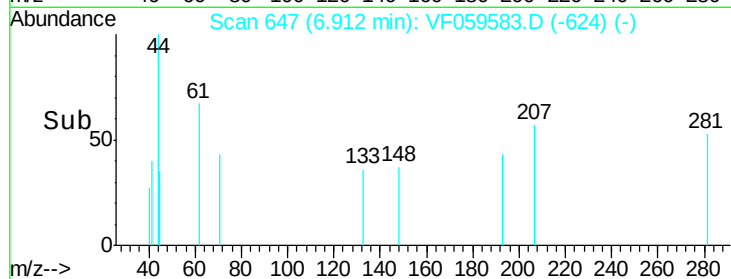
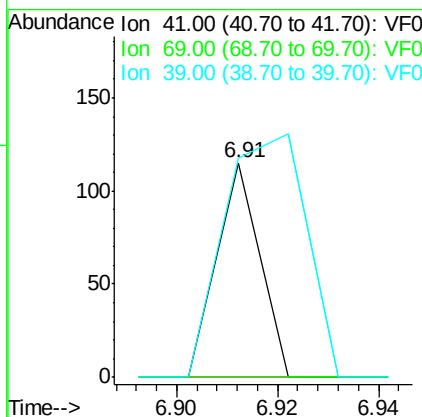
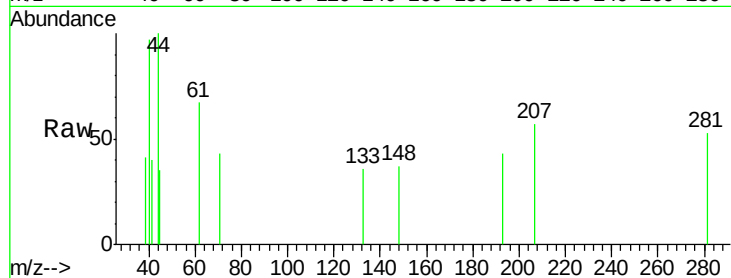




#48
Methvl methacrylate
Concen: 40.73 ug/l
RT: 6.91 min Scan# 647
Delta R.T. 0.02 min
Lab File: VF059583.D
Acq: 20 Jul 2018 4:15

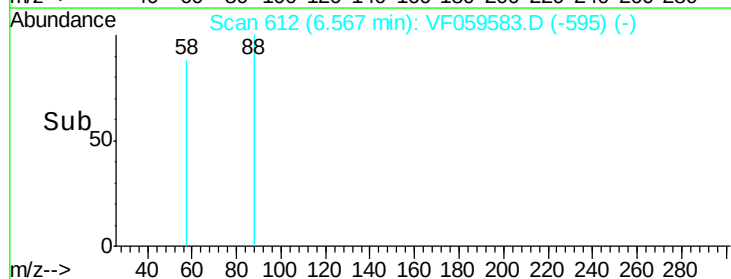
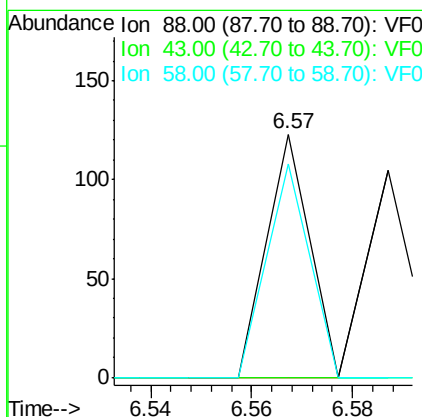
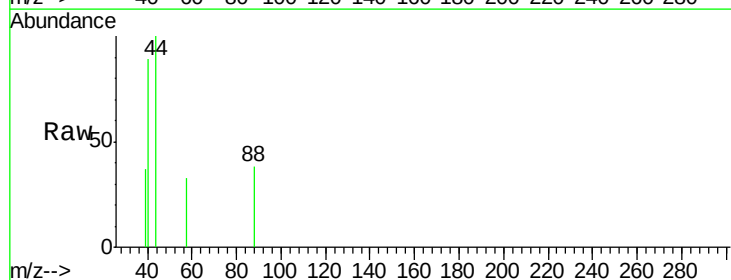
Instrument :
MSVOA_F
ClientSampled :
TP-9

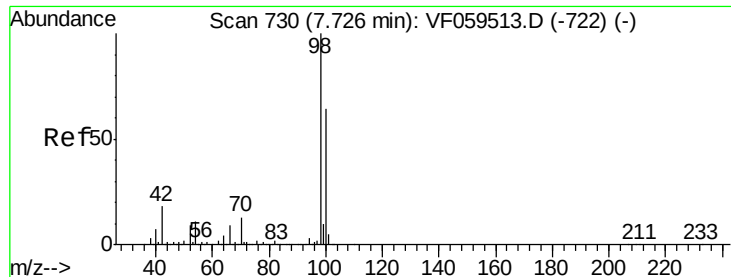
Tot Ion: 41 Resp: 68
Ion Ratio Lower Upper
41 100
69 0.0 51.3 76.9#
39 102.6 65.3 97.9#



#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#

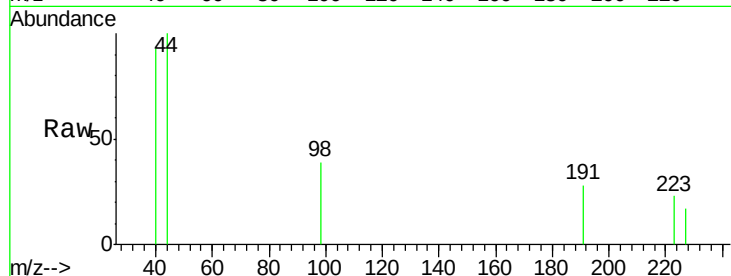




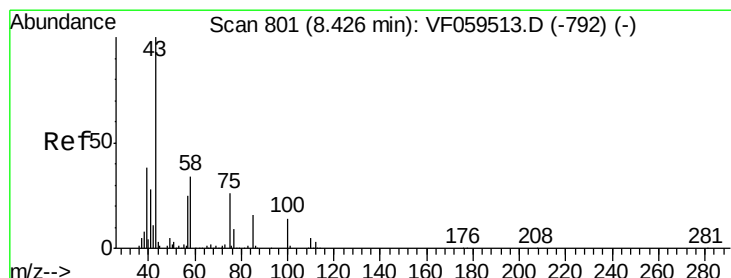
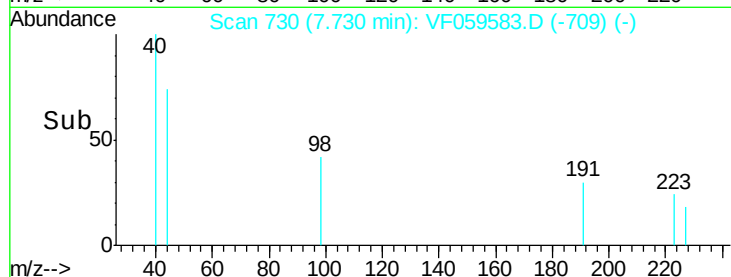
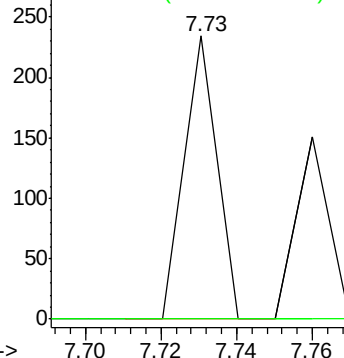
#50
Toluene-d8
Concen: 19.46 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.00 min
Lab File: VF059583.D
Acq: 20 Jul 2018 4:15

Instrument :
MSVOA_F
ClientSampled :
TP-9

Tot Ion: 98 Resp: 138
Ion Ratio Lower Upper
98 100
100 0.0 50.9 76.3#

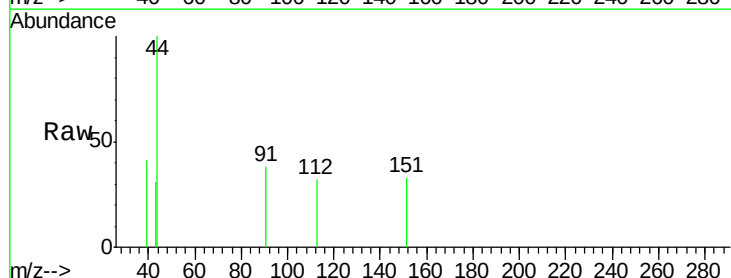


Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0

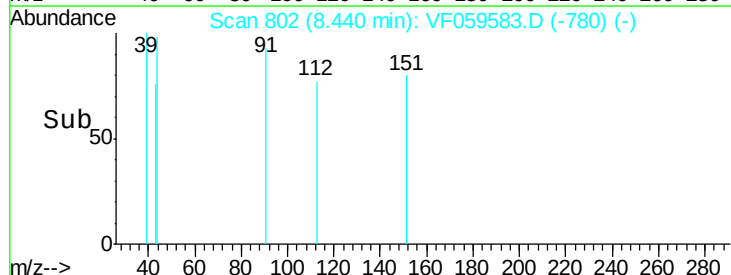
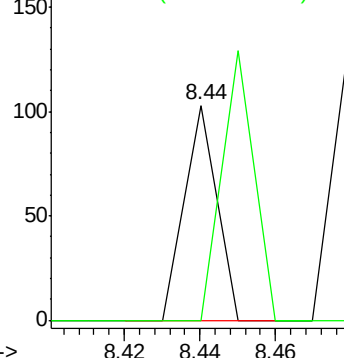


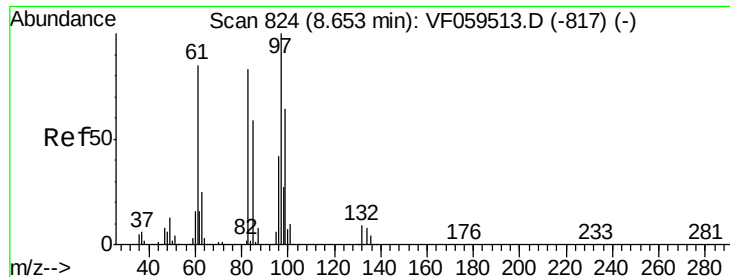
#51
4-Methyl-2-Pentanone
Concen: 36.81 ug/l
RT: 8.44 min Scan# 802
Delta R.T. 0.01 min
Lab File: VF059583.D
Acq: 20 Jul 2018 4:15

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





#55

1,1,2-Trichloroethane

Concen: 36.09 ug/l

RT: 8.58 min Scan# 816

Delta R.T. -0.07 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

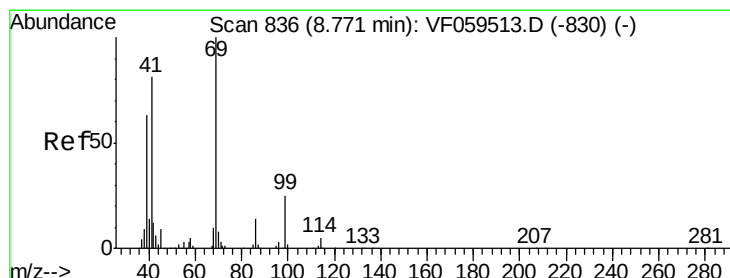
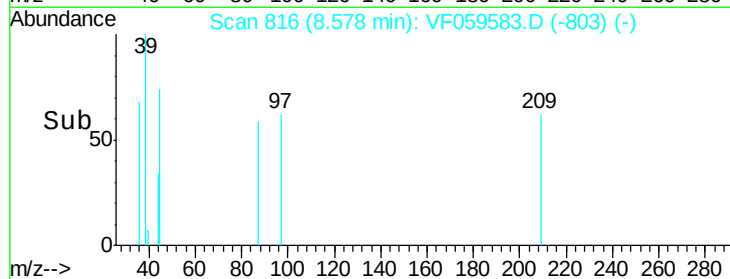
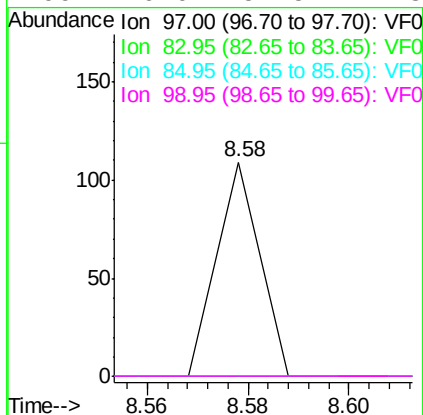
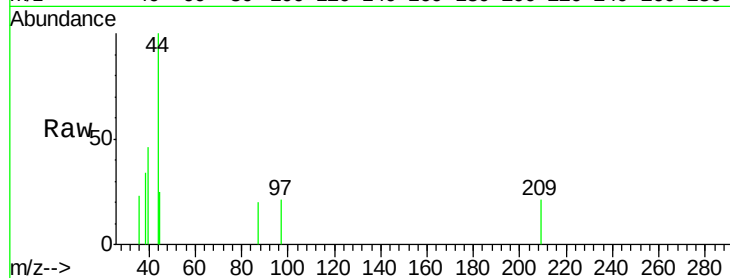
Instrument :

MSVOA_F

ClientSampled :

TP-9

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: 30.01 ug/l

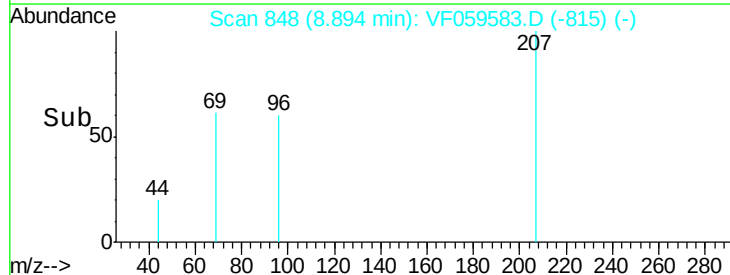
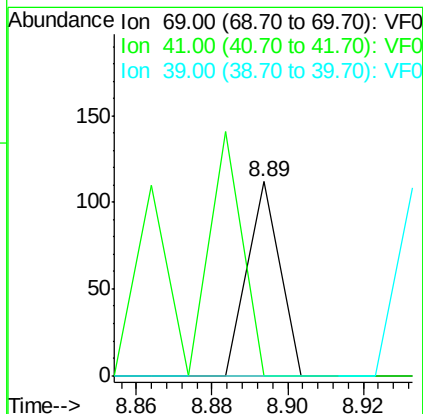
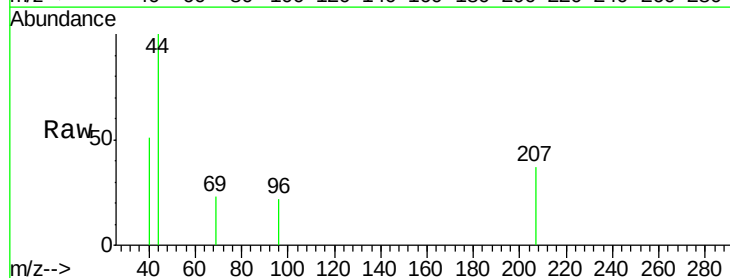
RT: 8.89 min Scan# 848

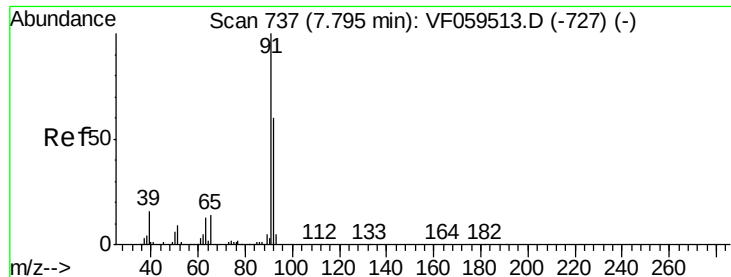
Delta R.T. 0.12 min

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#

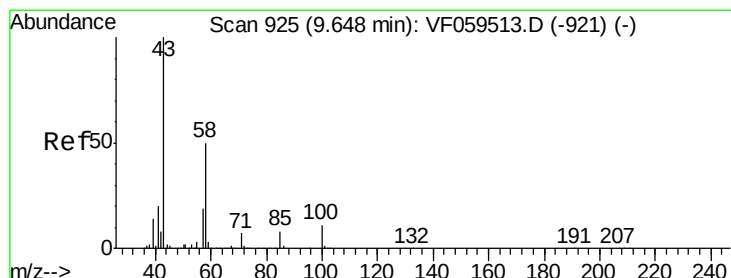
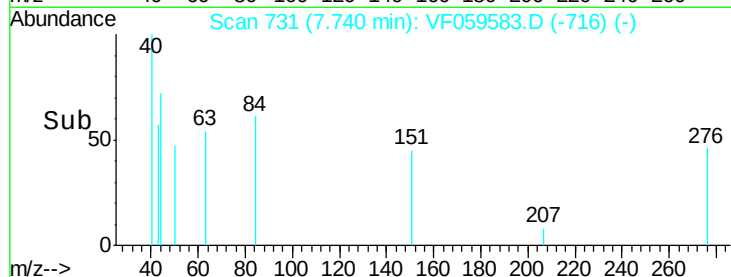
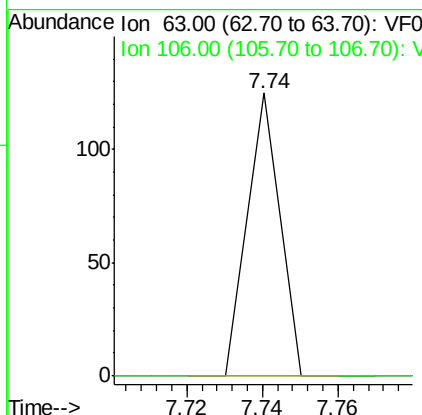
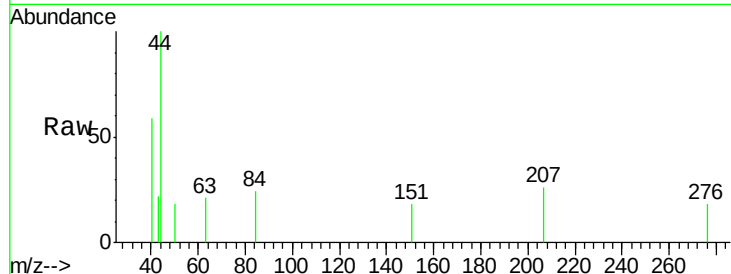




#58
2-Chloroethyl Vinyl ether
Concen: 381.12 ug/l
RT: 7.74 min Scan# 731
Delta R.T. -0.05 min
Lab File: VF059583.D
Acq: 20 Jul 2018 4:15

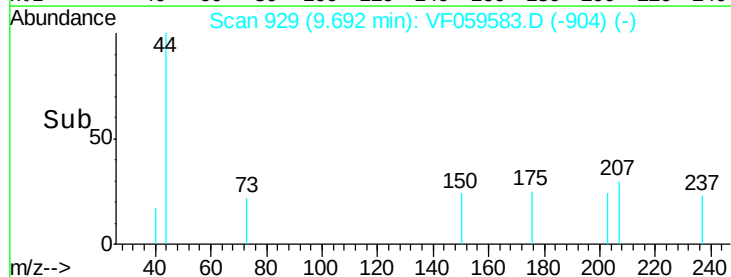
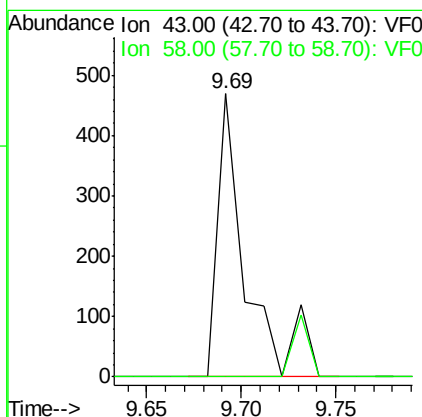
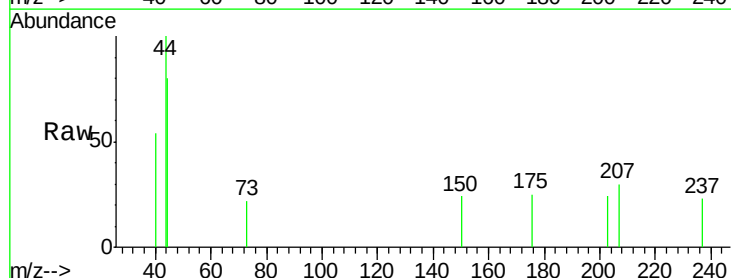
Instrument :
MSVOA_F
ClientSampled :
TP-9

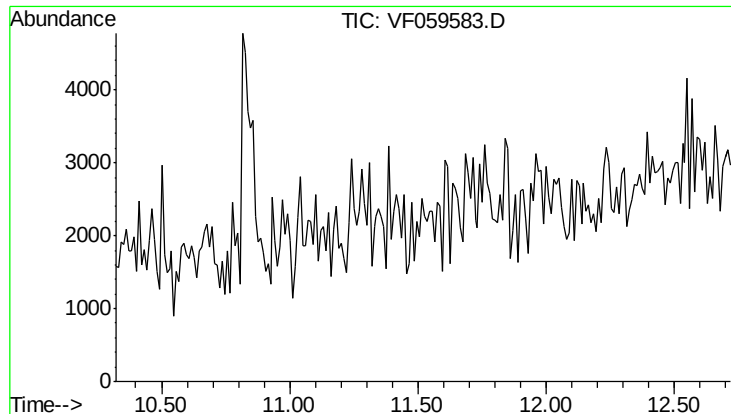
Tot Ion: 63 Resp: 74
Ion Ratio Lower Upper
63 100
106 0.0 0.0 0.0



#59
2-Hexanone
Concen: 392.09 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#

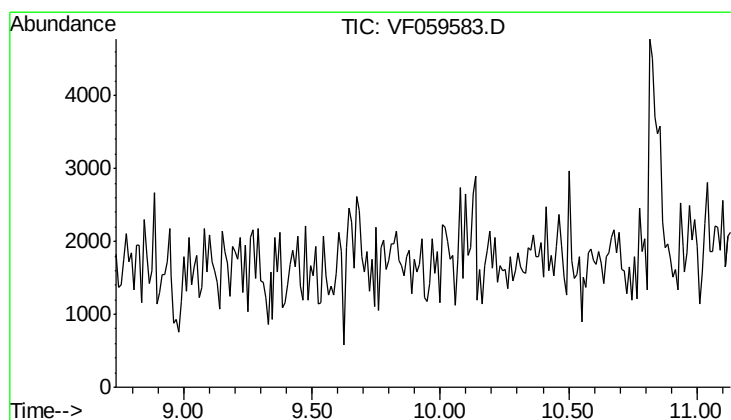
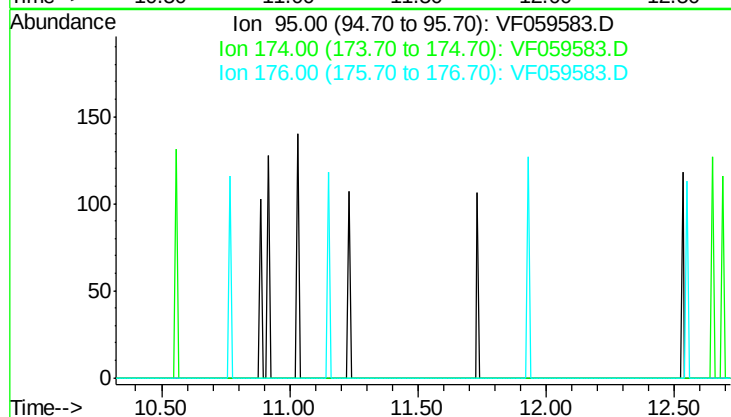




#62
 4-Bromofluorobenzene
 Concen: 0.00 ug/l
 Expected RT: 11.52 min
 Lab File: VF059583.D
 Acq: 20 Jul 2018 4:15

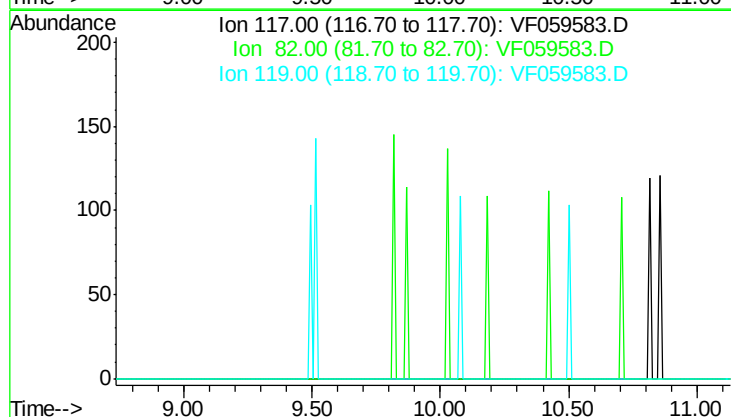
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-9

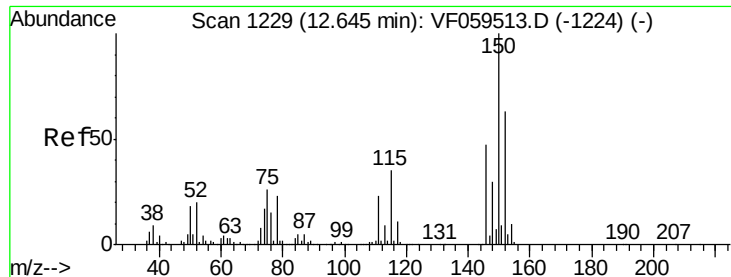
Tot Ion	95
Sig	Exp Ratio
95	100
174	87.2
176	84.7



#63
 Chlorobenzene-d5
 Concen: 0.00 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



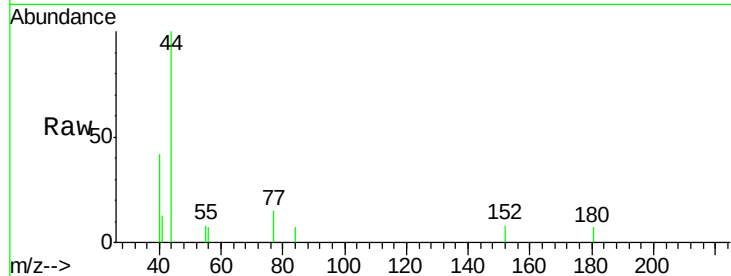


#72

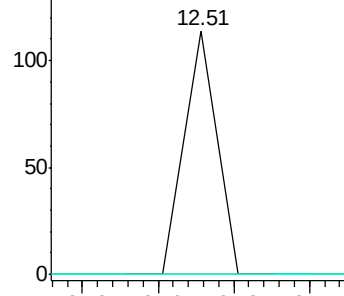
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.51 min Scan# 1215
Delta R.T. -0.13 min
Lab File: VF059583.D
Acq: 20 Jul 2018 4:15

Instrument :
MSVOA_F
ClientSampled :
TP-9

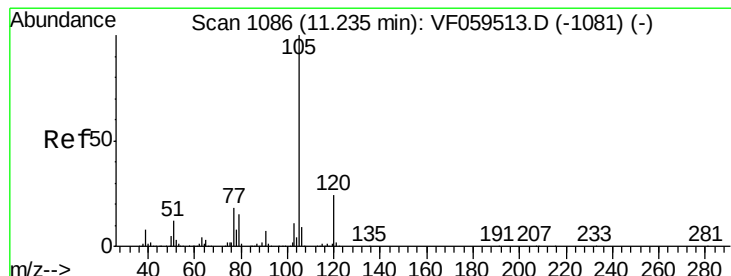
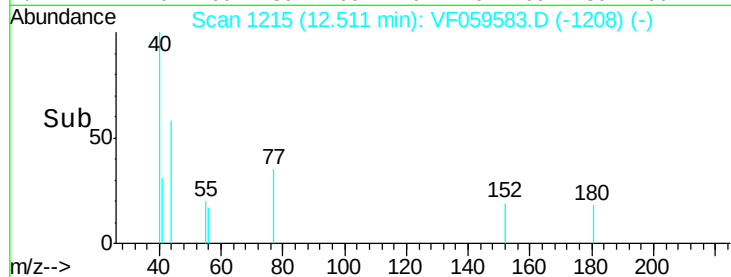
Tot Ion	Ratio	Lower	Upper
152	100		
115	0.0	27.8	83.3#
150	0.0	0.0	318.4



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



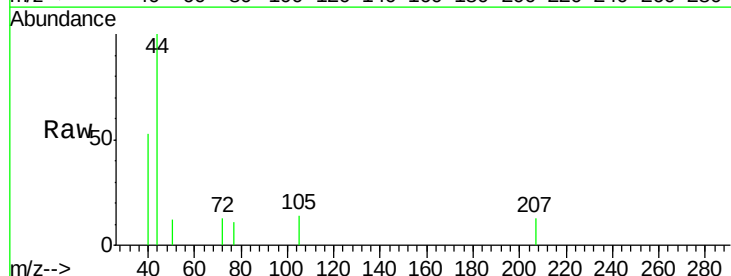
Time-->



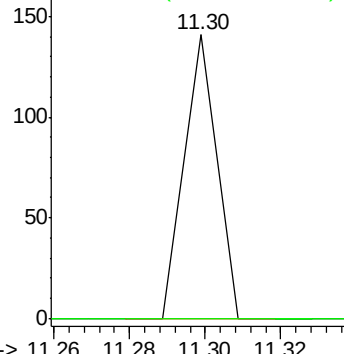
#73

Isopropylbenzene
Concen: 19.63 ug/l
RT: 11.30 min Scan# 1092
Delta R.T. 0.06 min
Lab File: VF059583.D
Acq: 20 Jul 2018 4:15

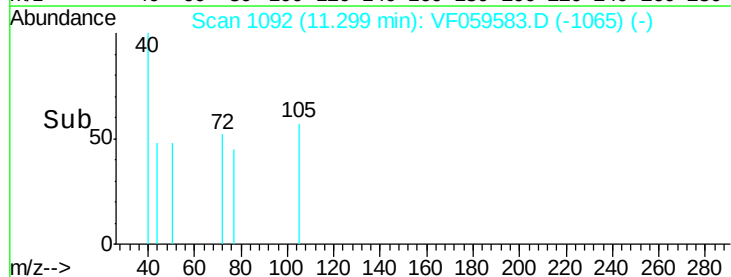
Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	12.0	36.0#

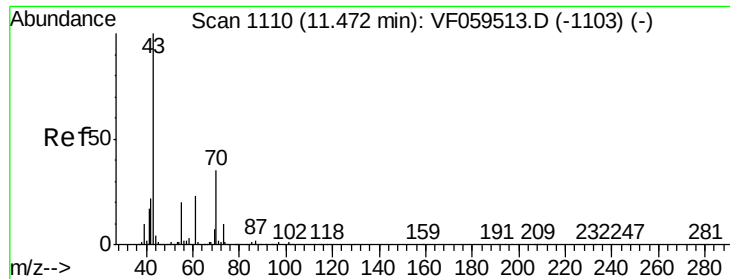


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



Time-->





#74

N-amvl acetate

Concen: 139.58 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

ClientSampled :

TP-9

Tot Ion: 43 Resp: 189

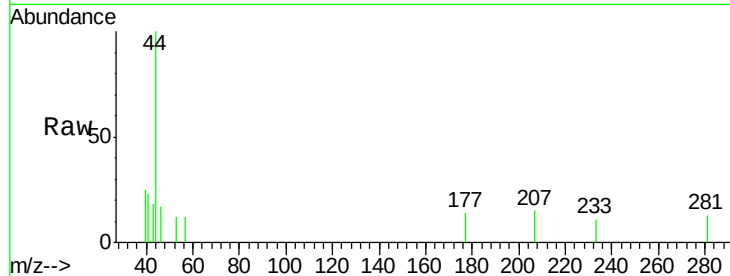
Ion Ratio Lower Upper

43 100

70 0.0 27.9 41.9#

55 0.0 16.2 24.2#

61 0.0 18.6 27.8#

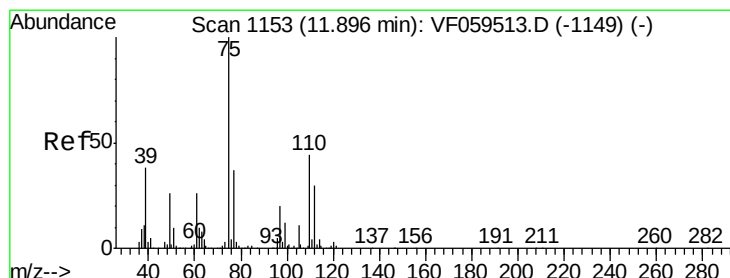
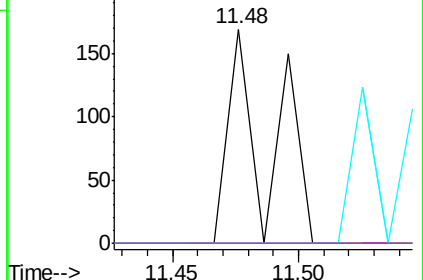
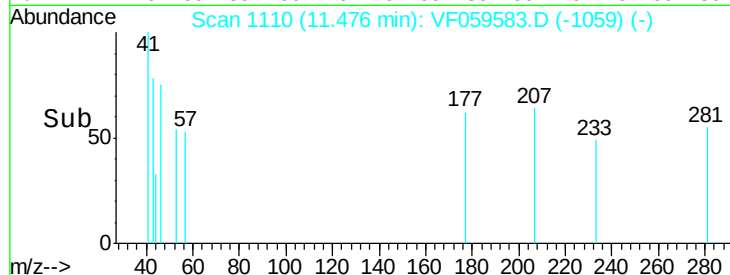


Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 81.01 ug/l

RT: 11.72 min Scan# 1135

Delta R.T. -0.17 min

Lab File: VF059583.D

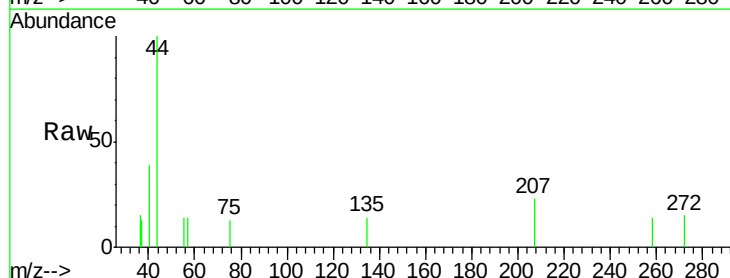
Acq: 20 Jul 2018 4:15

Tgt Ion: 75 Resp: 61

Ion Ratio Lower Upper

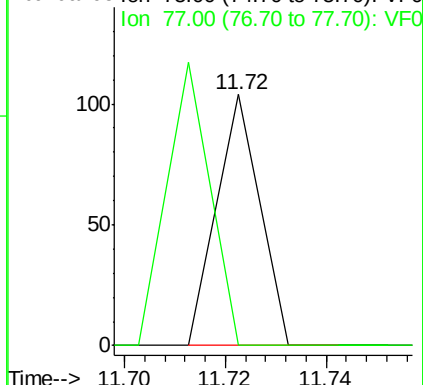
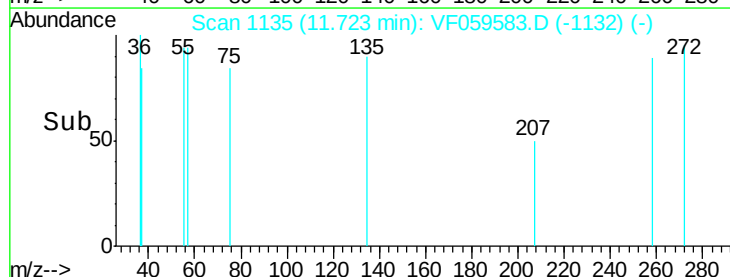
75 100

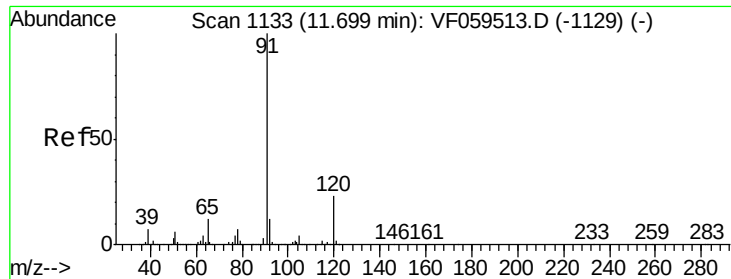
77 0.0 18.7 56.1#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#78

n-propylbenzene

Concen: 29.69 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 :

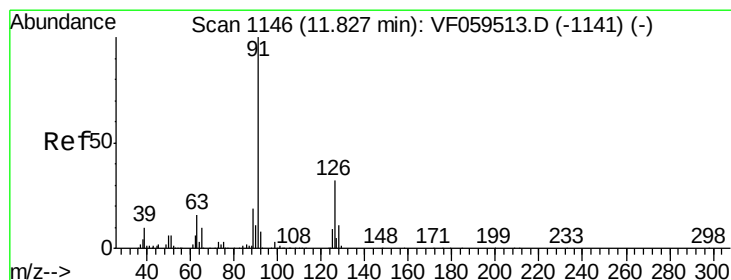
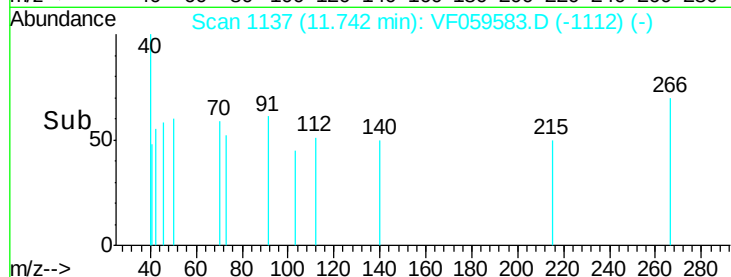
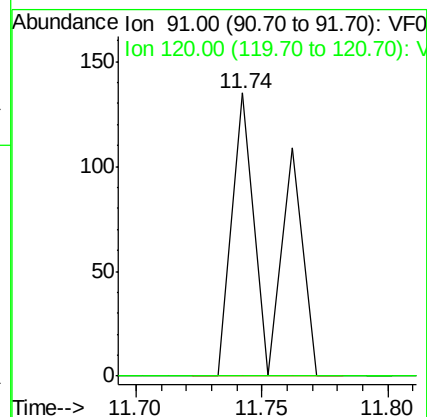
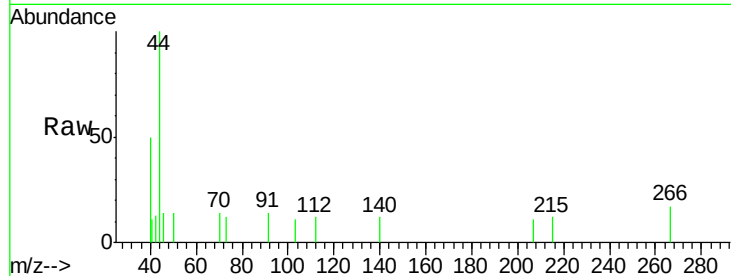
TP-9

Tot Ion: 91 Resp: 144

Ion Ratio Lower Upper

91 100

120 0.0 11.3 33.9#



#79

2-Chlorotoluene

Concen: 23.10 ug/l

RT: 11.85 min Scan# 1148

Delta R.T. 0.02 min

Lab File: VF059583.D

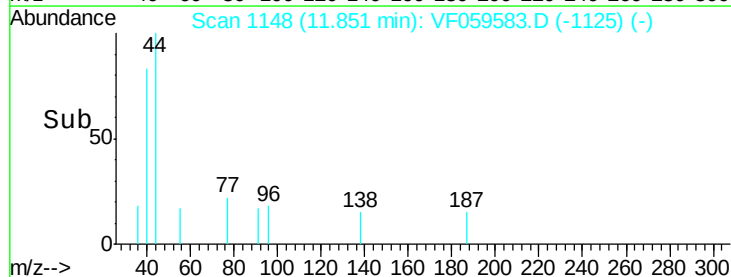
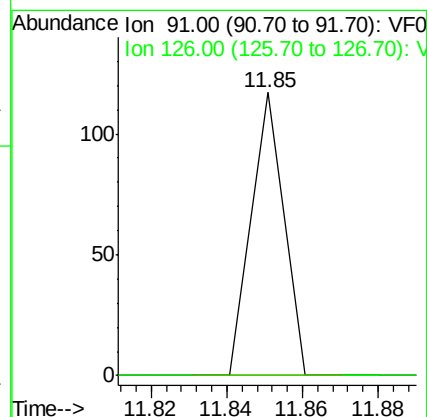
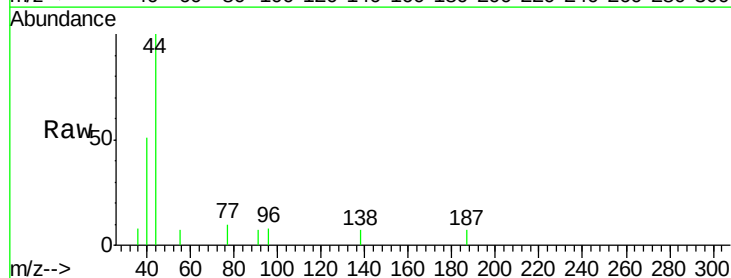
Acq: 20 Jul 2018 4:15

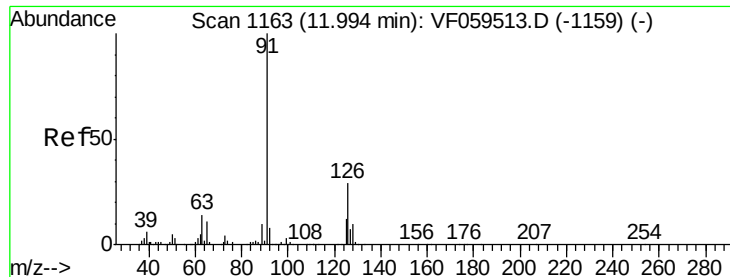
Tgt Ion: 91 Resp: 69

Ion Ratio Lower Upper

91 100

126 0.0 15.7 47.1#





#82

4-Chlorotoluene

Concen: 25.10 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 :

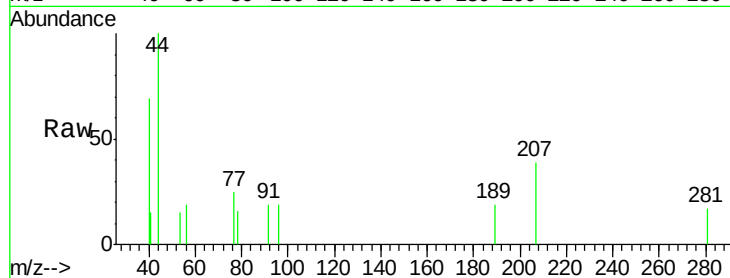
TP-9

Tot Ion: 91 Resp: 84

Ion Ratio Lower Upper

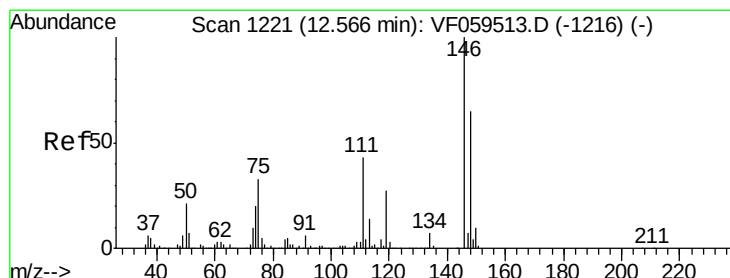
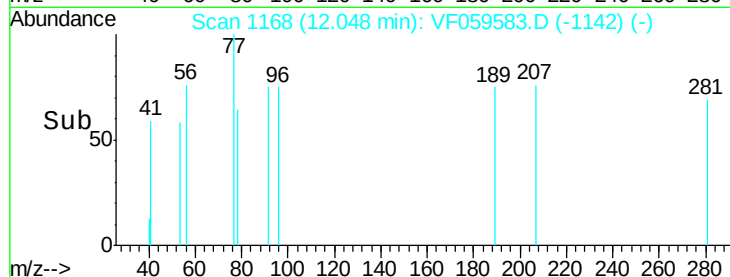
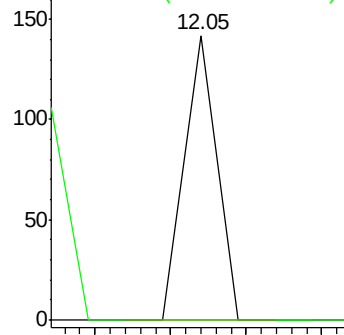
91 100

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



#87

1,3-Dichlorobenzene

Concen: 32.46 ug/l

RT: 12.57 min Scan# 1221

Delta R.T. 0.00 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

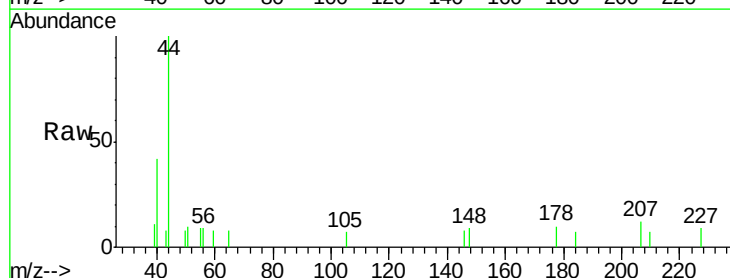
Tgt Ion: 146 Resp: 66

Ion Ratio Lower Upper

146 100

111 0.0 21.4 64.3#

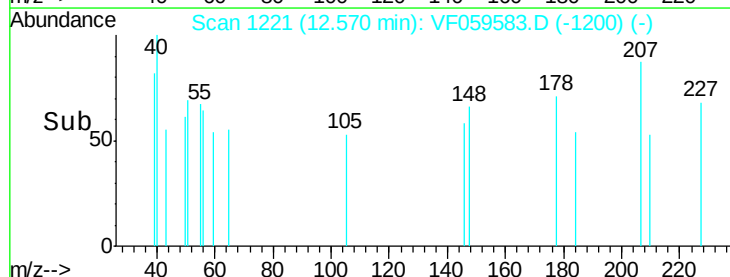
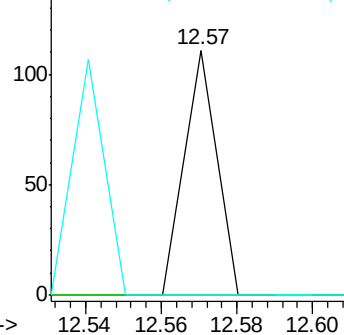
148 0.0 32.7 98.1#

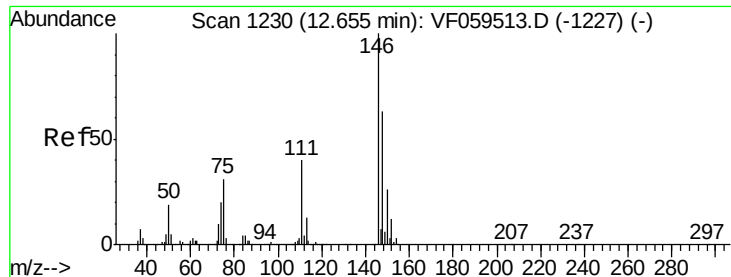


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

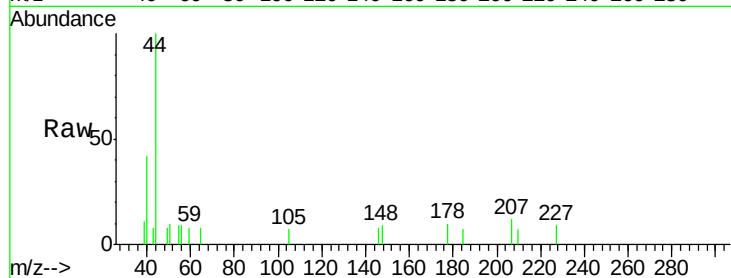




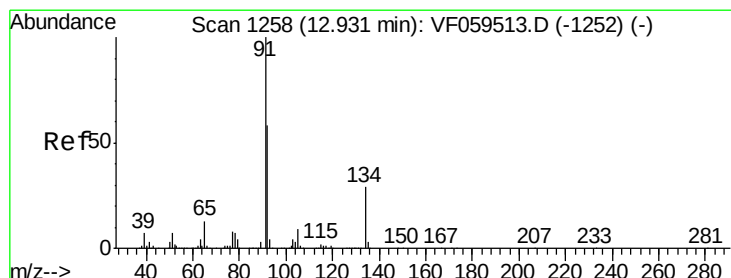
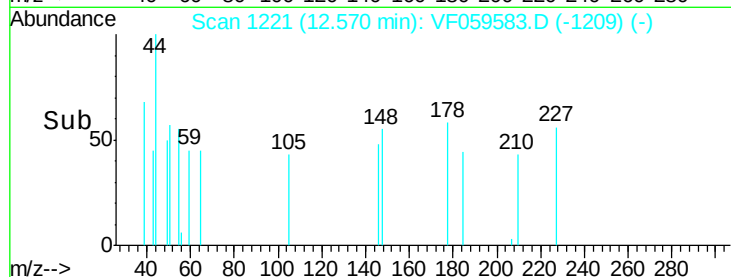
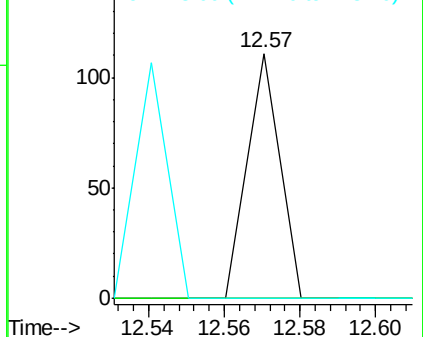
#88
 1,4-Dichlorobenzene
 Concen: 32.95 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. -0.08 min
 Lab File: VF059583.D
 Acq: 20 Jul 2018 4:15

Instrument :
 MSVOA_F
 ClientSampled :
 TP-9

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

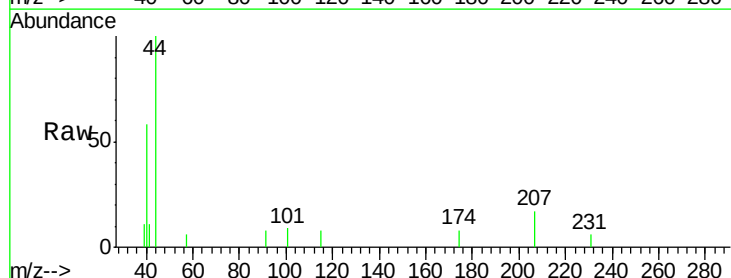


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

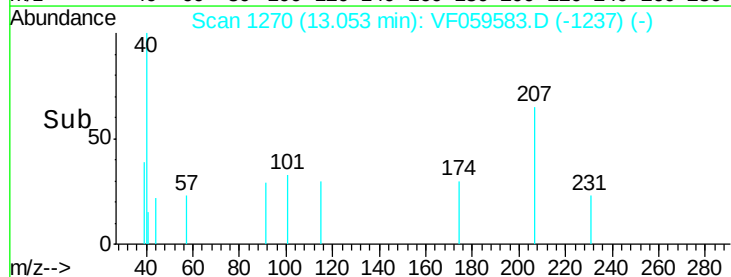
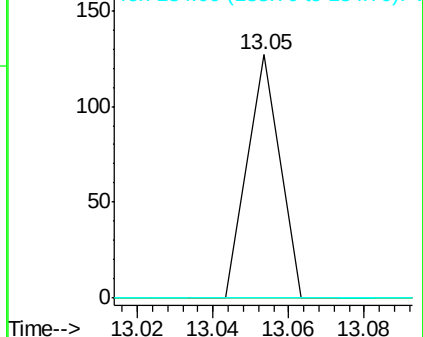


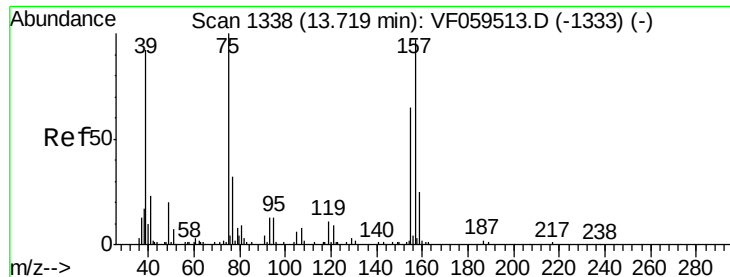
#89
 n-Butylbenzene
 Concen: 21.30 ug/l
 RT: 13.05 min Scan# 1270
 Delta R.T. 0.12 min
 Lab File: VF059583.D
 Acq: 20 Jul 2018 4:15

Tgt Ion	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: 320.71 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 :

TP-9

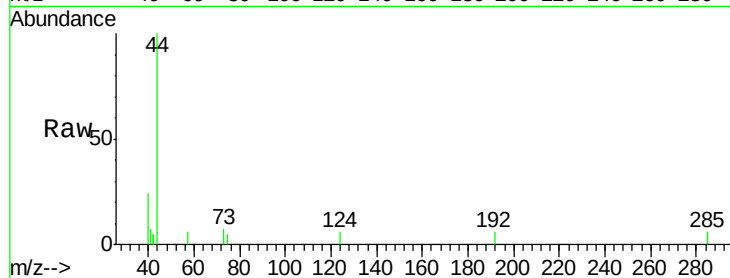
Tot Ion: 75 Resp: 67

Ion Ratio Lower Upper

75 100

155 0.0 32.8 98.3#

157 0.0 48.5 145.5#

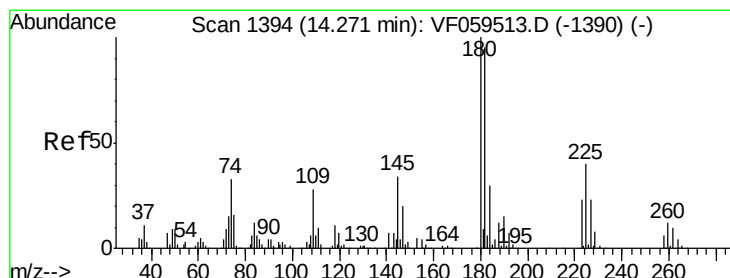
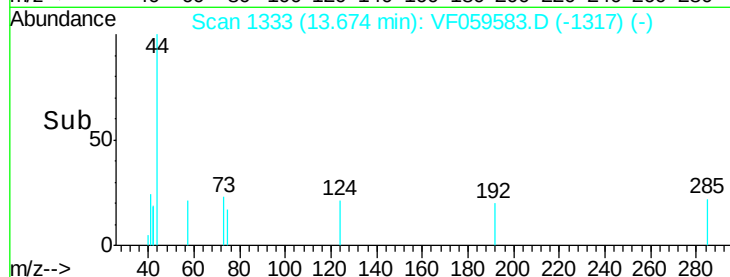
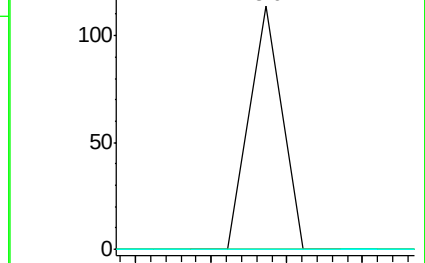


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

13.67



#93

1,2,4-Trichlorobenzene

Concen: 50.78 ug/l

RT: 14.11 min Scan# 1377

Delta R.T. -0.16 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

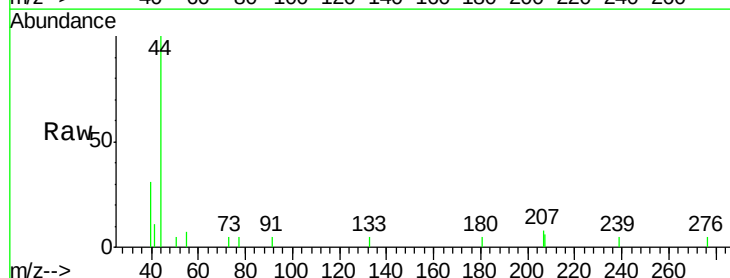
Tgt Ion: 180 Resp: 60

Ion Ratio Lower Upper

180 100

182 0.0 47.5 142.5#

145 0.0 17.3 51.7#

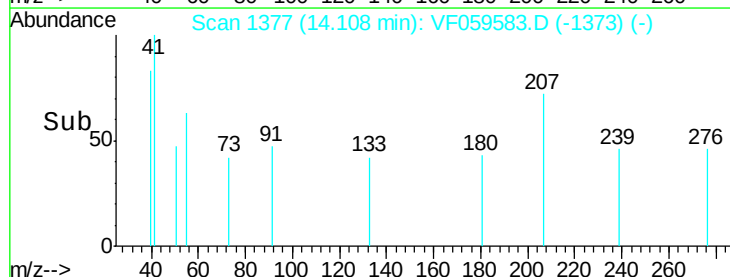
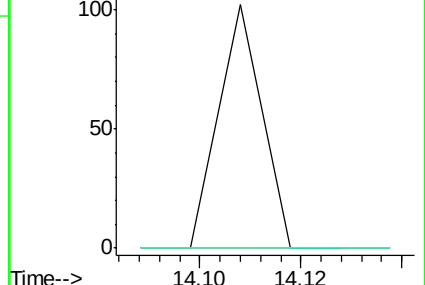


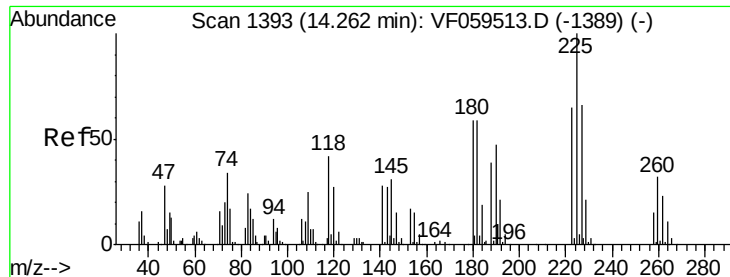
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

14.11





#94

Hexachlorobutadiene

Concen: 102.44 ug/l

RT: 14.38 min Scan# 1405

Delta R.T. 0.12 min

Lab File: VF059583.D

Acq: 20 Jul 2018 4:15

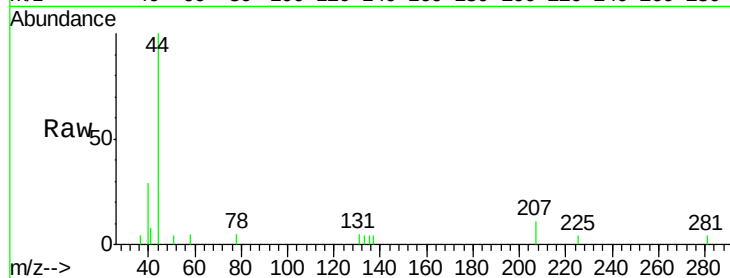
Instrument :

MSVOA_F

ClientSampled :

TP-9

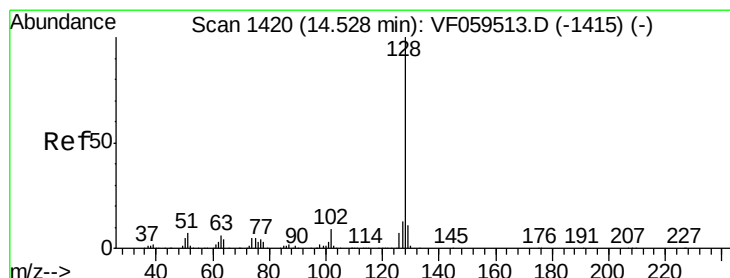
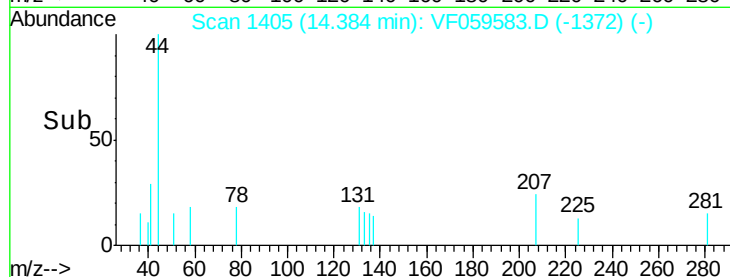
Tot Ion:	225	Resp:	62
Ion	Ratio	Lower	Upper
225	100		
223	0.0	32.3	96.8#
227	0.0	33.2	99.6#



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: 25.26 ug/l

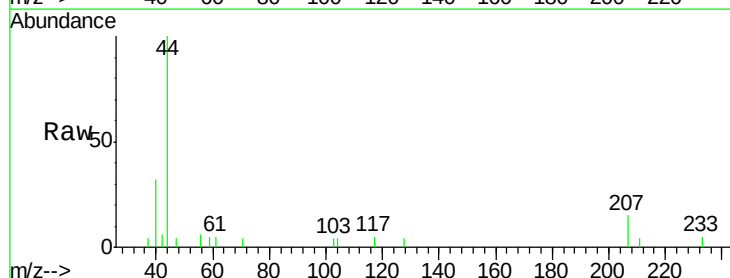
RT: 14.50 min Scan# 1417

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-->

