

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060579.D
 Acq On : 5 Nov 2018 18:46
 Operator : VA/AP
 Sample : J5741-11RE
 Misc : 7.34/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-3RE

Quant Time: Nov 06 06:56:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.94	168	72	50.00	ug/l	0.07
34) 1,4-Difluorobenzene	5.95	114	69	50.00	ug/l	0.36
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.78
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.55

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.94	65	65	89.35	ug/l	0.09
Spiked Amount	50.000		Recovery	=	178.70%	
35) Dibromofluoromethane	4.52	113	62	116.30	ug/l	0.41
Spiked Amount	50.000		Recovery	=	232.60%	
50) Toluene-d8	8.06	98	252	159.58	ug/l	0.50
Spiked Amount	50.000		Recovery	=	319.16%	
62) 4-Bromofluorobenzene	12.12	95	317	458.92	ug/l	0.70
Spiked Amount	50.000		Recovery	=	917.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	743	1069.251	ug/l #	41
3) Chloromethane	0.96	50	553	877.583	ug/l	95
4) Vinyl Chloride	1.31	62	92	158.441	ug/l #	48
5) Bromomethane	1.35	94	314	963.388	ug/l #	1
6) Chloroethane	1.42	64	183	950.280	ug/l #	40
8) Diethyl Ether	1.60	74	59	292.915	ug/l #	44
9) 1,1,2-Trichlorotrifluoroet	1.79	101	60	96.614	ug/l #	17
10) Methyl Iodide	2.00	142	64	62.624	ug/l #	1
12) 1,1-Dichloroethene	1.79	96	220	420.604	ug/l #	1
13) Acrolein	2.02	56	339	16382.745	ug/l	88
14) Allyl chloride	2.12	41	557	652.171	ug/l #	38
15) Acrylonitrile	2.97	53	248	2860.481	ug/l #	25
16) Acetone	2.18	43	435	2537.635	ug/l	99
17) Carbon Disulfide	1.80	76	66	44.795	ug/l #	1
18) Methyl Acetate	2.35	43	216	803.911	ug/l #	64
19) Methyl tert-butyl Ether	2.45	73	151	123.495	ug/l #	1
20) Methylene Chloride	2.28	84	110	236.847	ug/l #	6
21) trans-1,2-Dichloroethene	2.31	96	259	471.982	ug/l #	1
22) Diisopropyl ether	2.82	45	410	226.578	ug/l #	1
23) Vinyl Acetate	3.24	43	191	175.677	ug/l #	75
24) 1,1-Dichloroethane	2.98	63	64	61.113	ug/l #	89
25) 2-Butanone	4.41	43	78	240.742	ug/l #	56
26) 2,2-Dichloropropane	3.66	77	235	299.898	ug/l #	57
27) cis-1,2-Dichloroethene	3.52	96	149	142.235	ug/l	1
29) Tetrahydrofuran	4.16	42	926	7627.451	ug/l #	46
30) Chloroform	4.01	83	110	66.392	ug/l	83
31) Cyclohexane	3.68	56	205	141.852	ug/l #	45
32) 1,1,1-Trichloroethane	4.13	97	194	167.649	ug/l #	21
37) Ethyl Acetate	4.34	43	460	1261.307	ug/l #	17
39) Methylcyclohexane	5.79	83	263	283.670	ug/l #	45
40) Benzene	4.95	78	84	45.549	ug/l #	1
41) Methacrylonitrile	5.07	41	260	1258.872	ug/l #	71
43) Isopropyl Acetate	7.38	43	207	448.715	ug/l #	45
45) 1,2-Dichloropropane	6.55	63	79	167.497	ug/l #	43

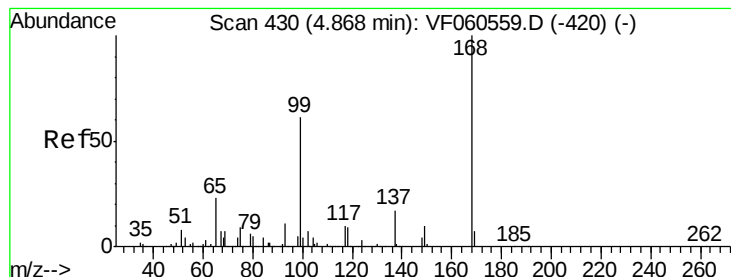
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	6.33	93	66	220.575	uq/l #	3
47) Bromodichloromethane	6.76	83	830	1150.034	uq/l #	84
48) Methyl methacrylate	7.17	41	380	1310.649	uq/l #	48
49) 1,4-Dioxane	7.16	88	59	19452.900	uq/l #	1
51) 4-Methyl-2-Pentanone	8.79	43	1438	4635.415	uq/l #	37
52) Toluene	8.16	92	70	58.271	uq/l #	1
53) t-1,3-Dichloropropene	8.87	75	64	102.030	uq/l #	1
54) cis-1,3-Dichloropropene	7.67	75	76	95.895	uq/l #	1
55) 1,1,2-Trichloroethane	9.01	97	301	861.048	uq/l #	63
56) Ethyl methacrylate	9.19	69	372	827.105	uq/l #	1
57) 1,3-Dichloropropane	9.39	76	79	128.795	uq/l #	44
58) 2-Chloroethyl Vinyl ether	8.10	63	82	3087.087	uq/l	100
59) 2-Hexanone	10.11	43	866	4668.401	uq/l #	55
60) Dibromochloromethane	9.41	129	72	147.272	uq/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.94 min Scan# 437

Delta R.T. 0.07 min

Lab File: VF060579.D

Acq: 5 Nov 2018 18:46

Instrument :

MSVOA_F

ClientSampleID :

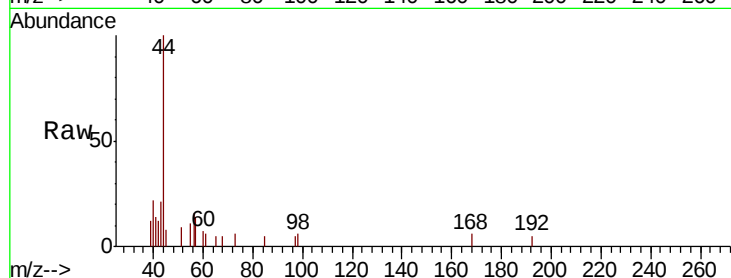
TP-3RE

Tot Ion:168 Resp: 72

Ion Ratio Lower Upper

168 100

99 0.0 48.6 72.8#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

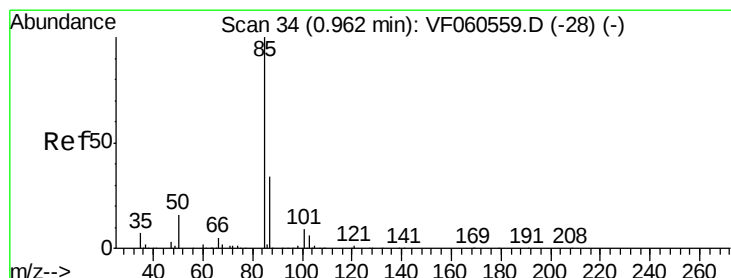
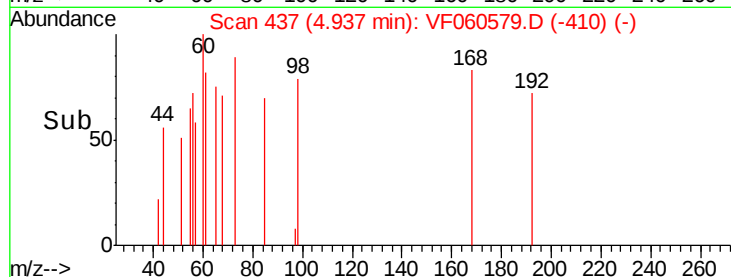
4.94

100

50

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1069.251 ug/l

RT: 0.97 min Scan# 35

Delta R.T. 0.01 min

Lab File: VF060579.D

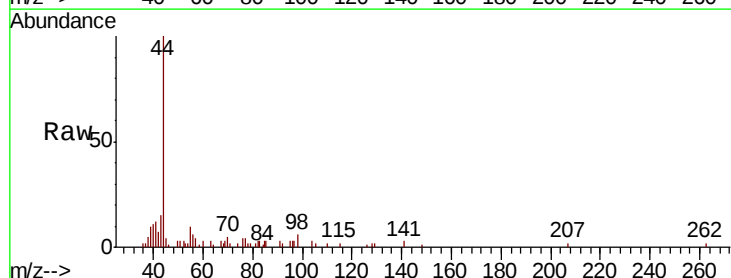
Acq: 5 Nov 2018 18:46

Tgt Ion: 85 Resp: 743

Ion Ratio Lower Upper

85 100

87 0.0 16.9 50.7#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

500

400

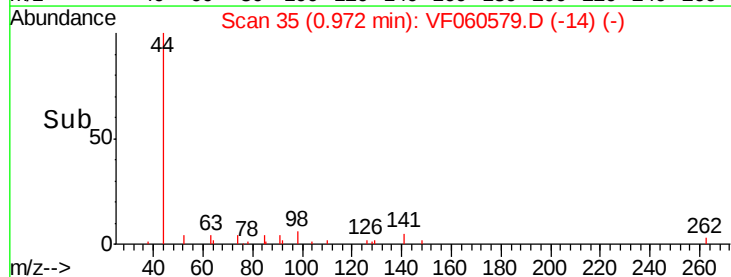
300

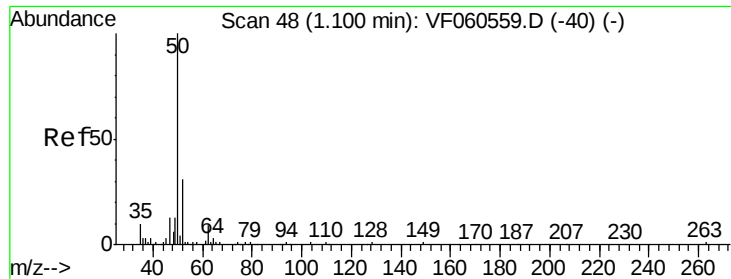
200

100

0

Time-->





#3

Chloromethane

Concen: 877.583 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.14 min

Lab File: VF060579.D

Acq: 5 Nov 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

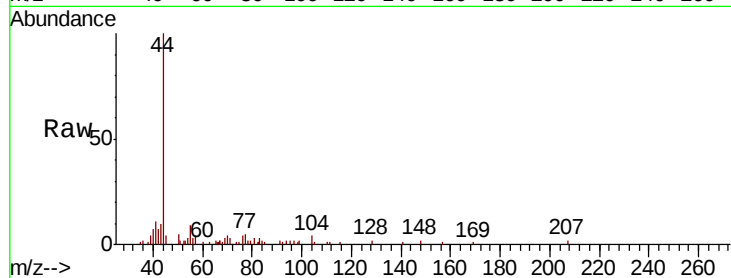
TP-3RE

Tot Ion: 50 Resp: 553

Ion Ratio Lower Upper

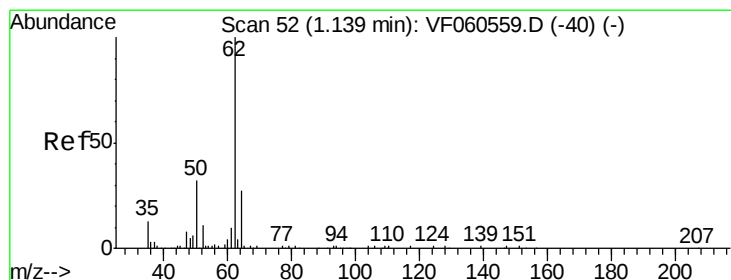
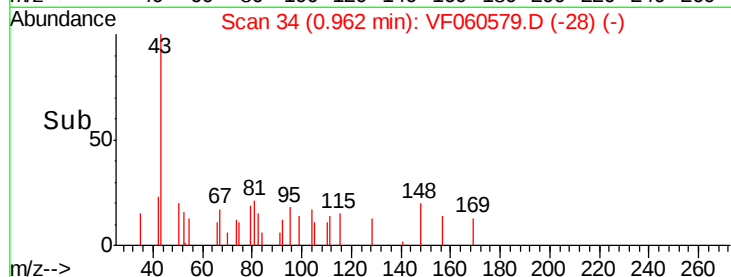
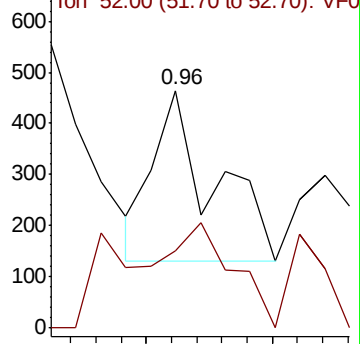
50 100

52 32.7 24.0 36.0



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 158.441 ug/l

RT: 1.31 min Scan# 69

Delta R.T. 0.17 min

Lab File: VF060579.D

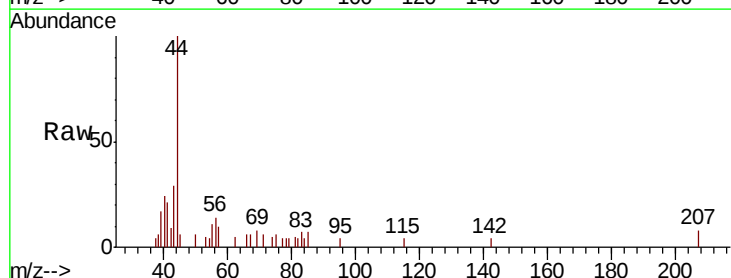
Acq: 5 Nov 2018 18:46

Tgt Ion: 62 Resp: 92

Ion Ratio Lower Upper

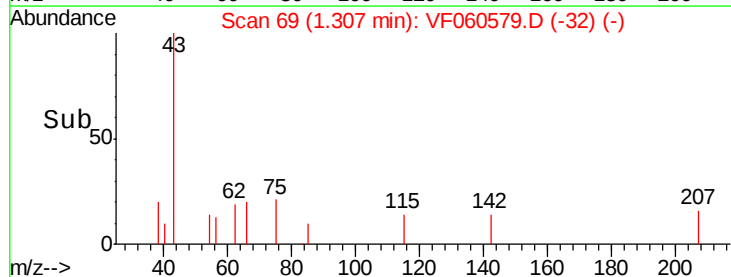
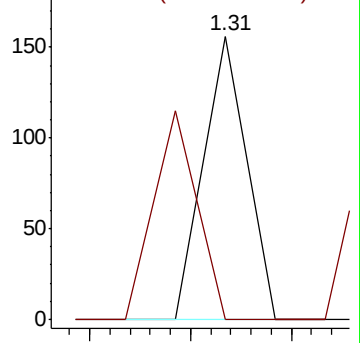
62 100

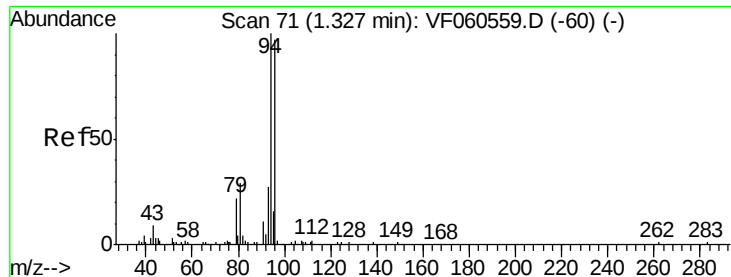
64 0.0 21.8 32.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 963.388 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.02 min

Lab File: VF060579.D

Acq: 5 Nov 2018 18:46

Instrument :

MSVOA_F

ClientSampled :

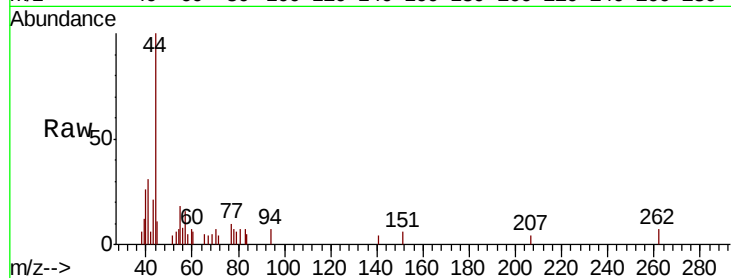
TP-3RE

Tot Ion: 94 Resp: 314

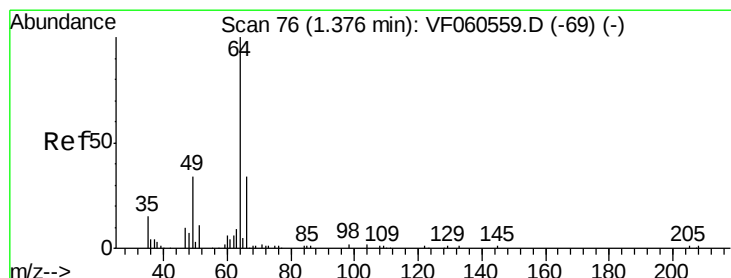
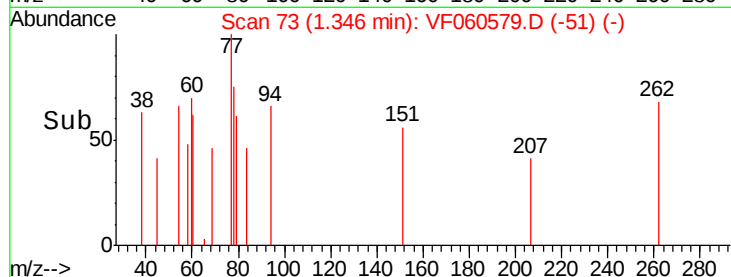
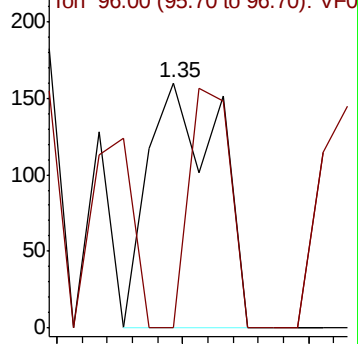
Ion Ratio Lower Upper

94 100

96 0.0 77.9 116.9#



Abundance Ion 94.00 (93.70 to 94.70): VF0



#6

Chloroethane

Concen: 950.280 ug/l

RT: 1.42 min Scan# 80

Delta R.T. 0.04 min

Lab File: VF060579.D

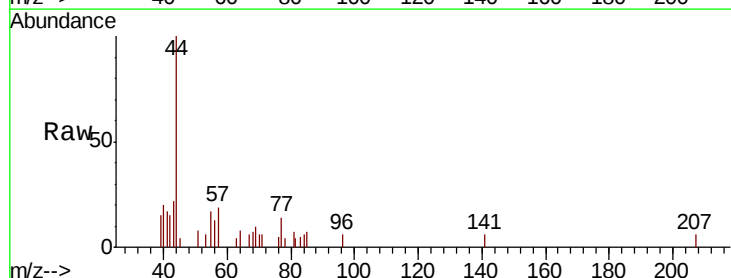
Acq: 5 Nov 2018 18:46

Tgt Ion: 64 Resp: 183

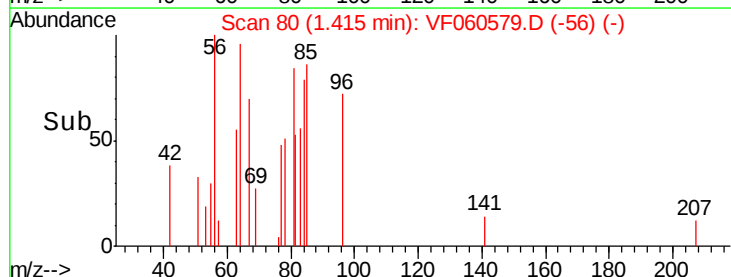
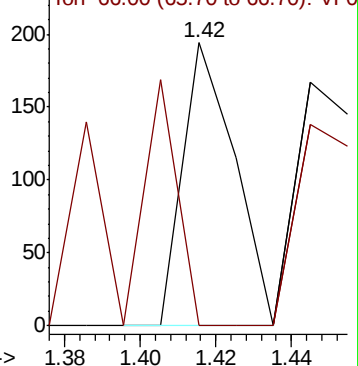
Ion Ratio Lower Upper

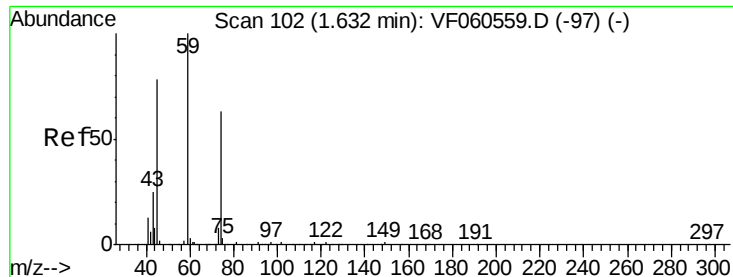
64 100

66 0.0 27.8 41.8#



Abundance Ion 64.00 (63.70 to 64.70): VF0

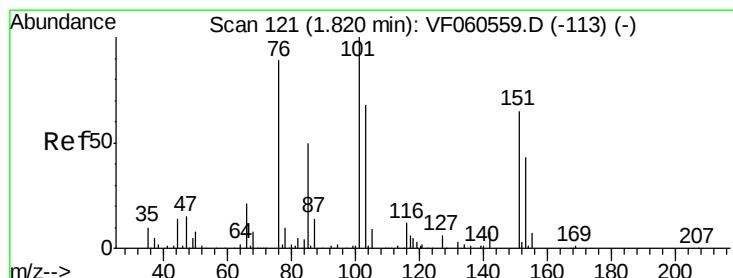
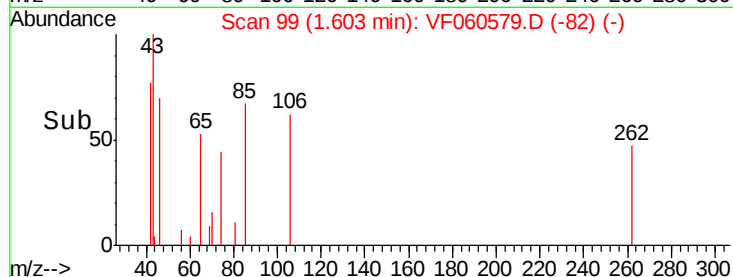
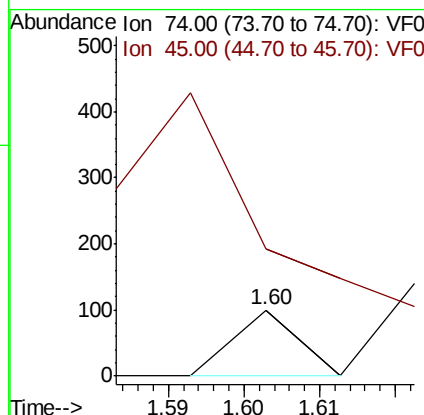
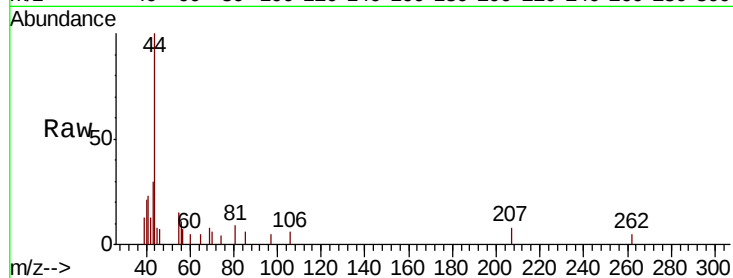




#8
Diethyl Ether
Concen: 292.915 ug/l
RT: 1.60 min Scan# 99
Delta R.T. -0.03 min
Lab File: VF060579.D
Acq: 5 Nov 2018 18:46

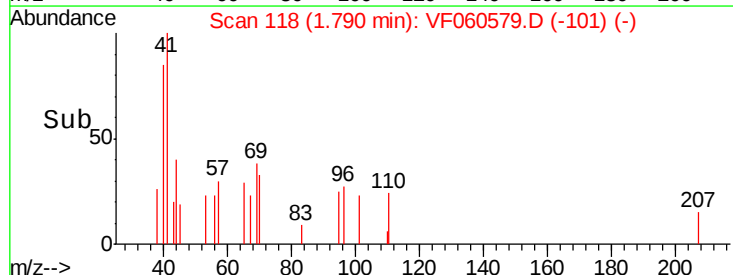
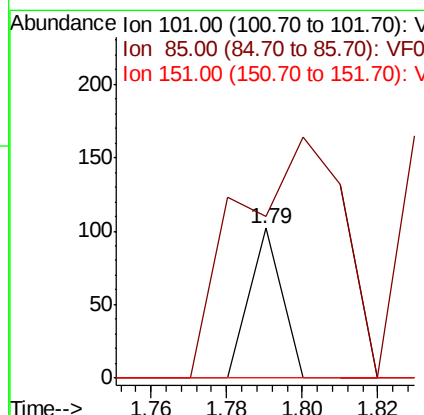
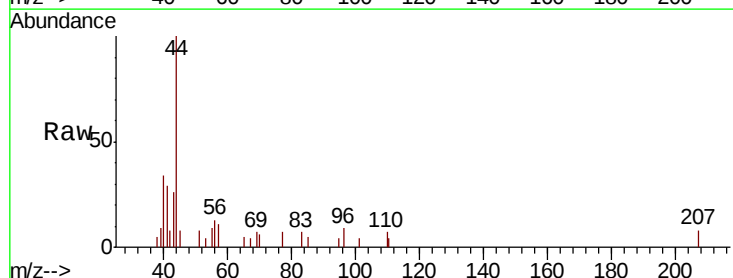
Instrument :
MSVOA_F
ClientSampled :
TP-3RE

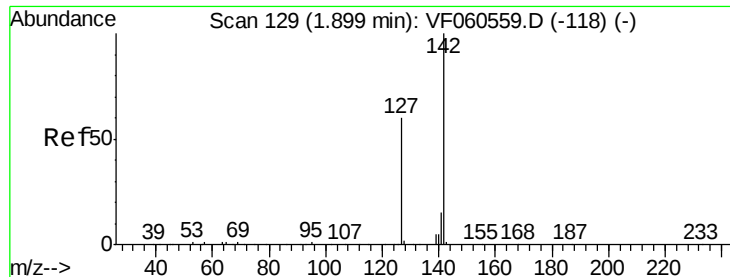
Tot Ion: 74 Resp: 59
Ion Ratio Lower Upper
74 100
45 192.0 63.8 191.5#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 96.614 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.03 min
Lab File: VF060579.D
Acq: 5 Nov 2018 18:46

Tgt Ion:101 Resp: 60
Ion Ratio Lower Upper
101 100
85 107.8 39.8 59.6#
151 0.0 50.8 76.2#

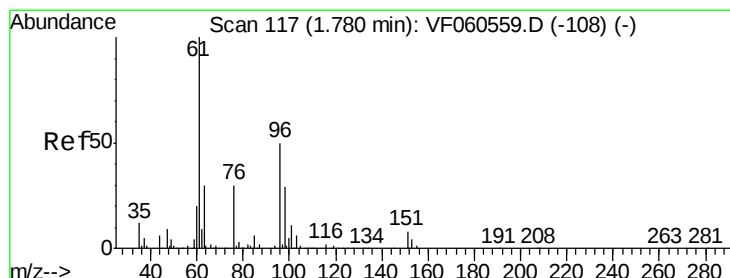
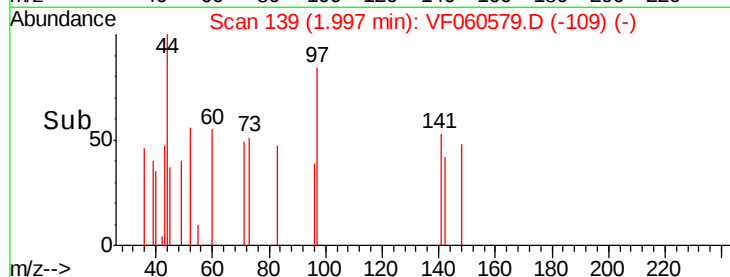
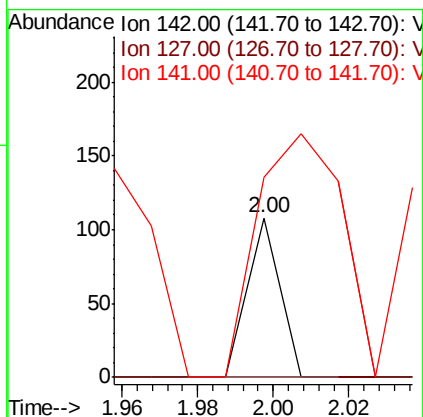
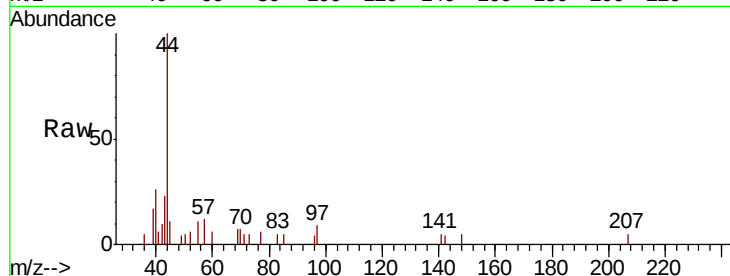




#10
Methyl Iodide
Concen: 62.624 ug/l
RT: 2.00 min Scan# 139
Delta R.T. 0.10 min
Lab File: VF060579.D
Acq: 5 Nov 2018 18:46

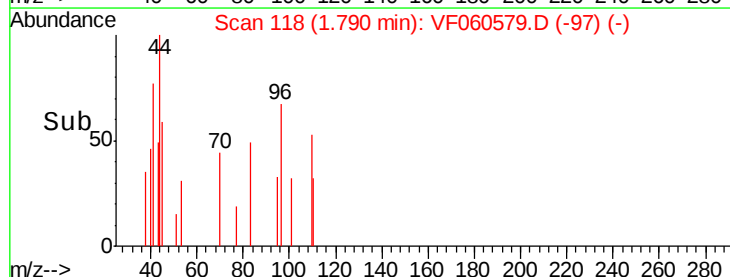
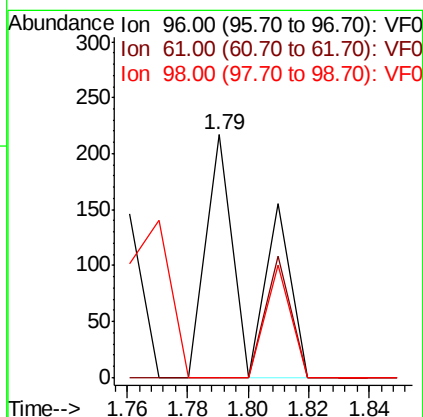
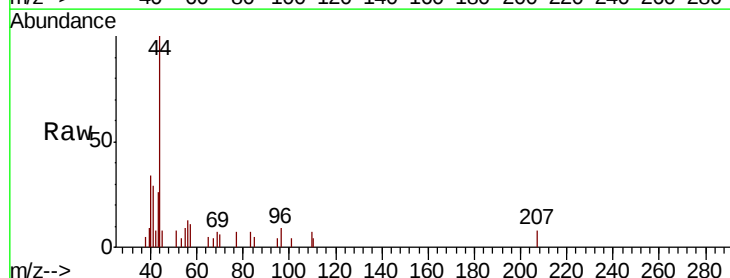
Instrument :
MSVOA_F
ClientSampled :
TP-3RE

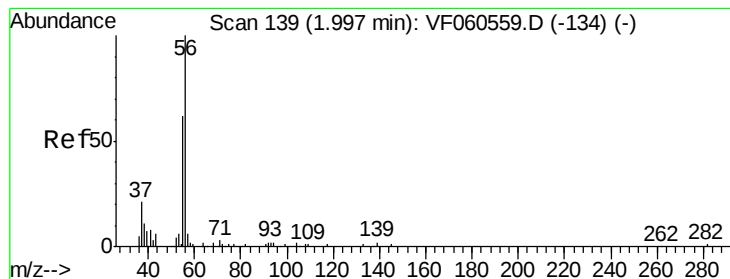
Tot Ion:142 Resp: 64
Ion Ratio Lower Upper
142 100
127 0.0 47.8 71.6#
141 125.9 12.7 19.1#



#12
1,1-Dichloroethene
Concen: 420.604 ug/l
RT: 1.79 min Scan# 118
Delta R.T. 0.01 min
Lab File: VF060579.D
Acq: 5 Nov 2018 18:46

Tgt Ion: 96 Resp: 220
Ion Ratio Lower Upper
96 100
61 0.0 158.1 237.1#
98 0.0 47.0 70.6#





#13

Acrolein

Concen: 16382.745 ug/l

RT: 2.02 min Scan# 141

Delta R.T. 0.02 min

Lab File: VF060579.D

Acq: 5 Nov 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

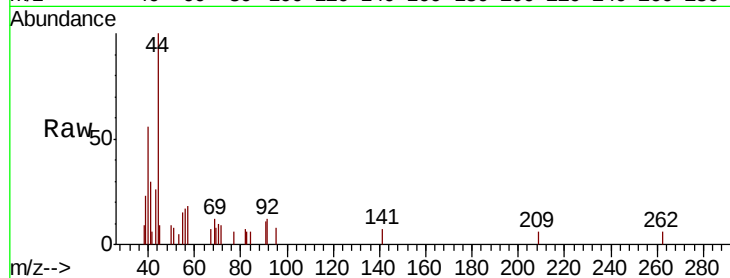
TP-3RE

Tot Ion: 56 Resp: 339

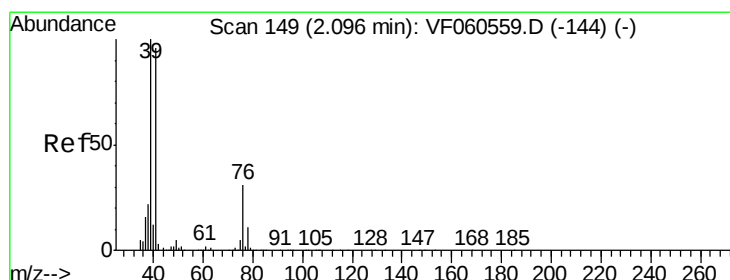
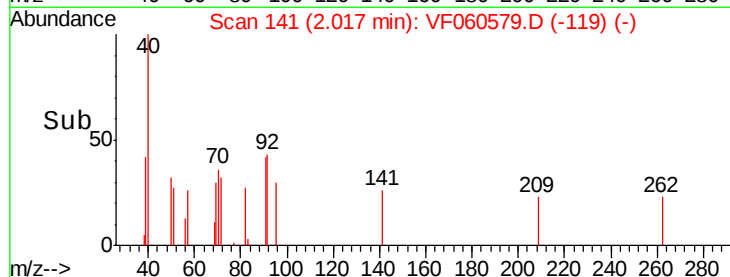
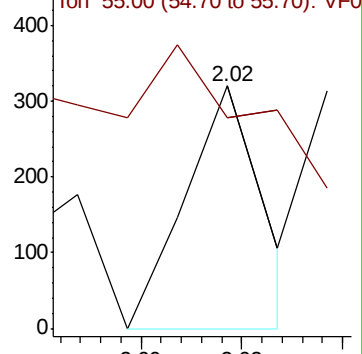
Ion Ratio Lower Upper

56 100

55 87.2 61.8 92.6



Abundance Ion 56.00 (55.70 to 56.70): VF0



#14

Allyl chloride

Concen: 652.171 ug/l

RT: 2.12 min Scan# 151

Delta R.T. 0.02 min

Lab File: VF060579.D

Acq: 5 Nov 2018 18:46

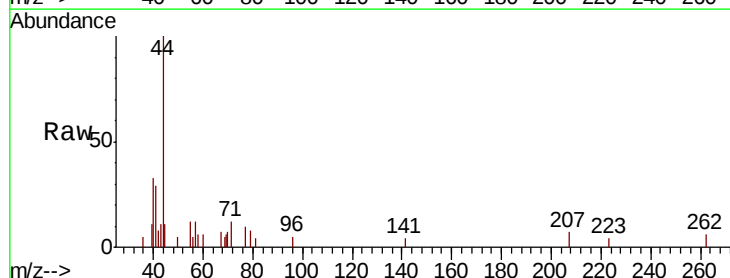
Tgt Ion: 41 Resp: 557

Ion Ratio Lower Upper

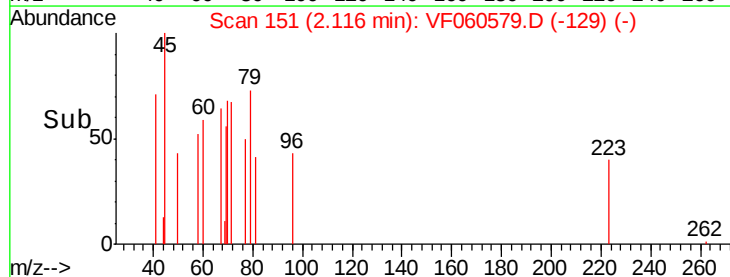
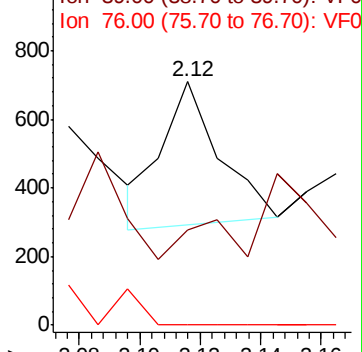
41 100

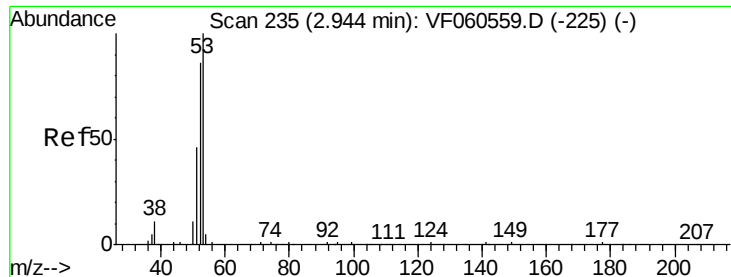
39 39.2 82.6 124.0#

76 0.0 26.7 40.1#



Abundance Ion 41.00 (40.70 to 41.70): VF0





#15

Acrylonitrile

Concen: 2860.481 ug/l

RT: 2.97 min Scan# 238

Delta R.T. 0.03 min

Lab File: VF060579.D

Acq: 5 Nov 2018 18:46

Instrument :

MSVOA_F

ClientSampled :

TP-3RE

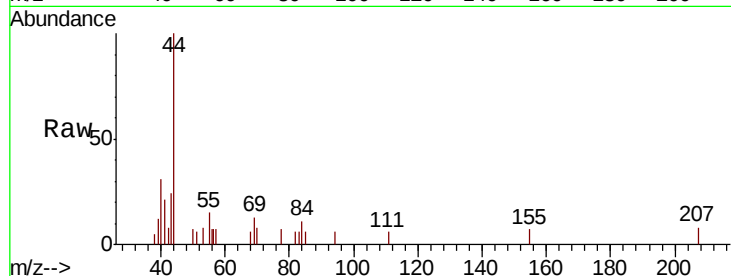
Tot Ion: 53 Resp: 248

Ion Ratio Lower Upper

53 100

52 0.0 68.5 102.7#

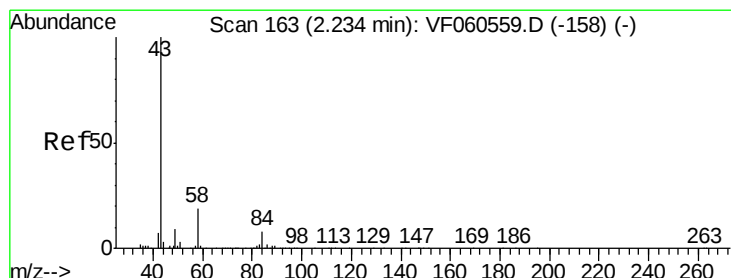
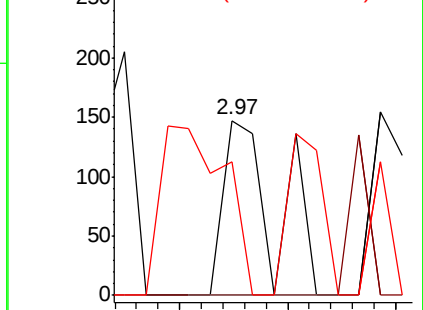
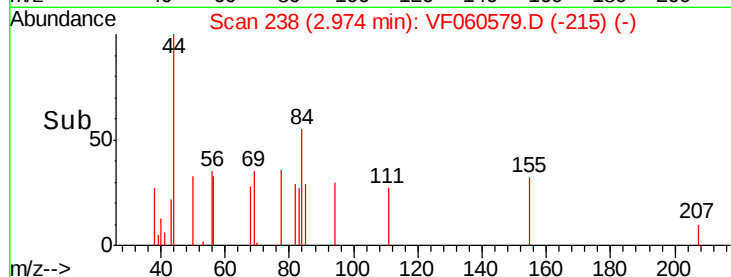
51 76.2 38.2 57.2#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 2537.635 ug/l

RT: 2.18 min Scan# 158

Delta R.T. -0.05 min

Lab File: VF060579.D

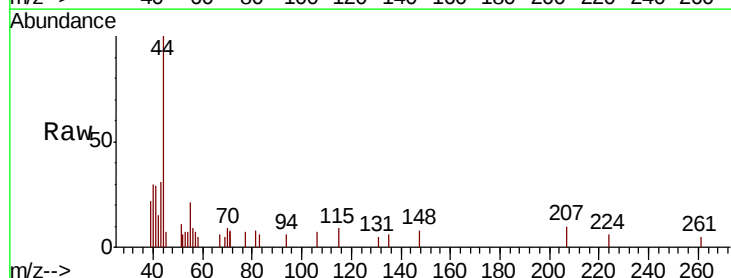
Acq: 5 Nov 2018 18:46

Tgt Ion: 43 Resp: 435

Ion Ratio Lower Upper

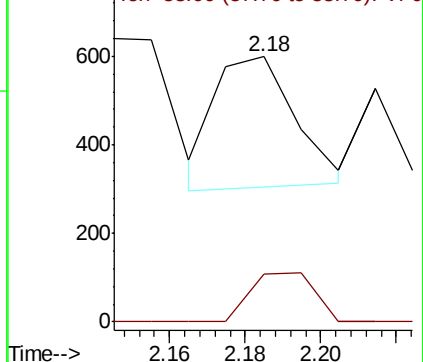
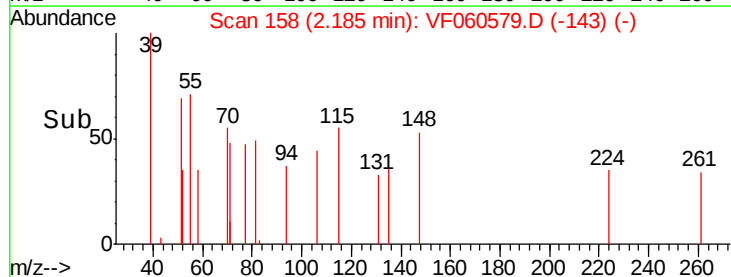
43 100

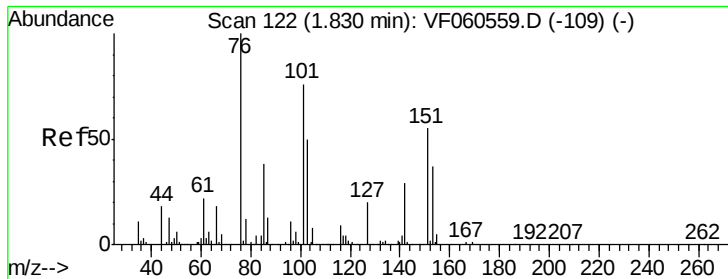
58 17.9 14.6 22.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

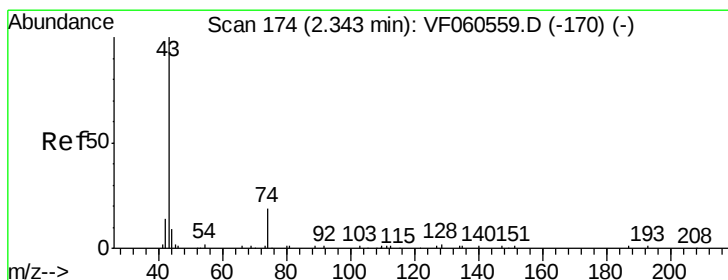
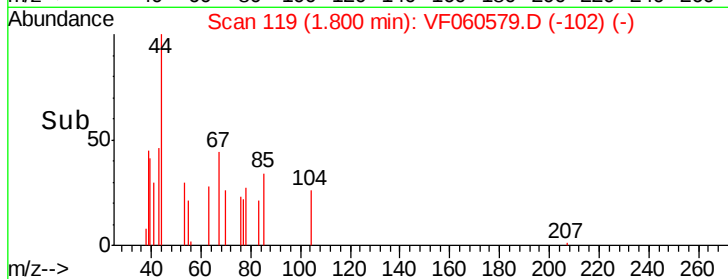
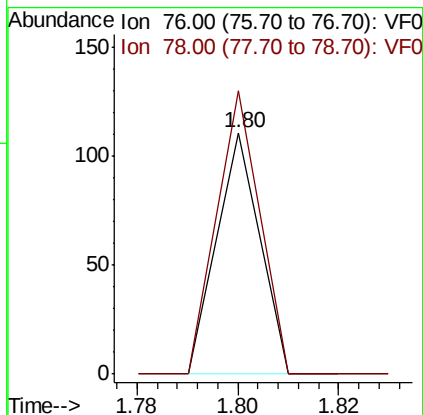
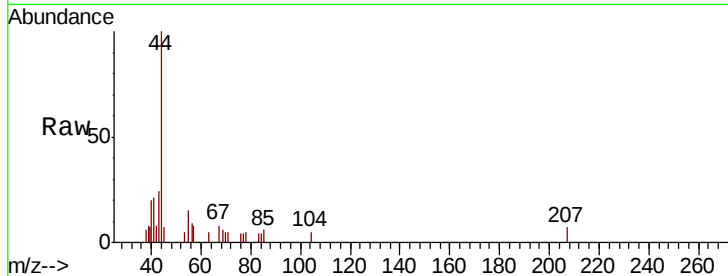




#17
Carbon Disulfide
Concen: 44.795 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.03 min
Lab File: VF060579.D
Acq: 5 Nov 2018 18:46

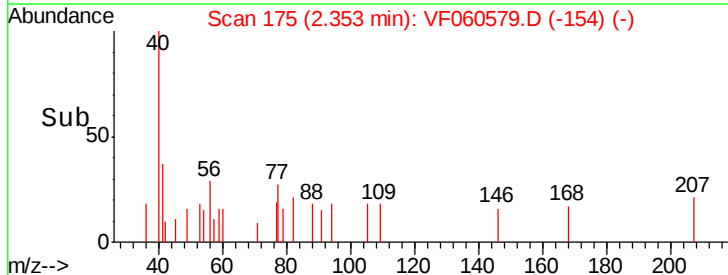
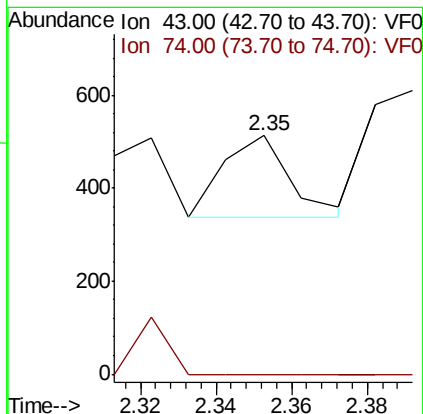
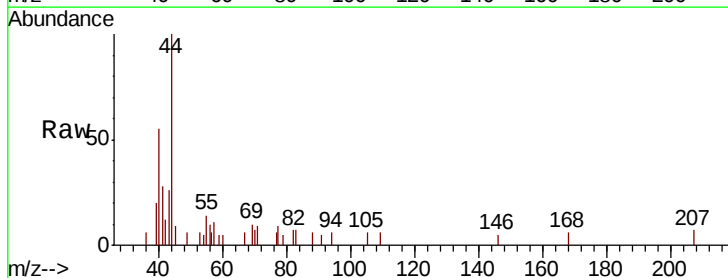
Instrument :
MSVOA_F
ClientSampleId :
TP-3RE

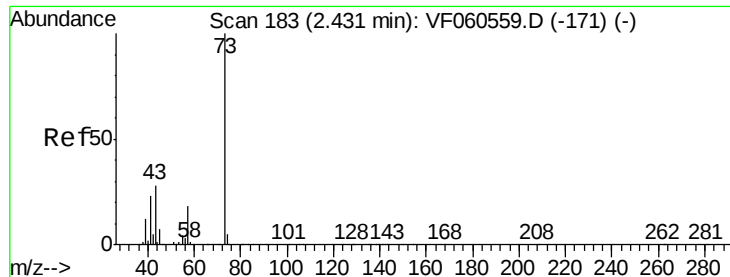
Tot Ion: 76 Resp: 66
Ion Ratio Lower Upper
76 100
78 117.1 9.9 14.9#



#18
Methyl Acetate
Concen: 803.911 ug/l
RT: 2.35 min Scan# 175
Delta R.T. 0.01 min
Lab File: VF060579.D
Acq: 5 Nov 2018 18:46

Tgt Ion: 43 Resp: 216
Ion Ratio Lower Upper
43 100
74 0.0 12.1 18.1#



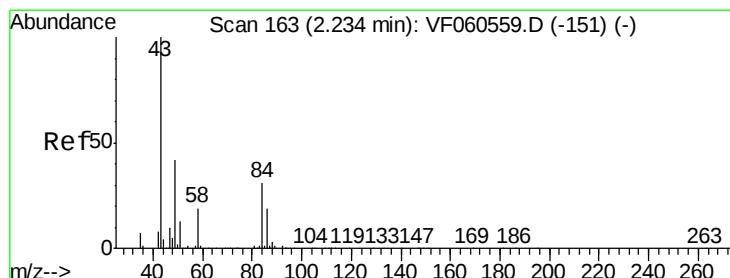
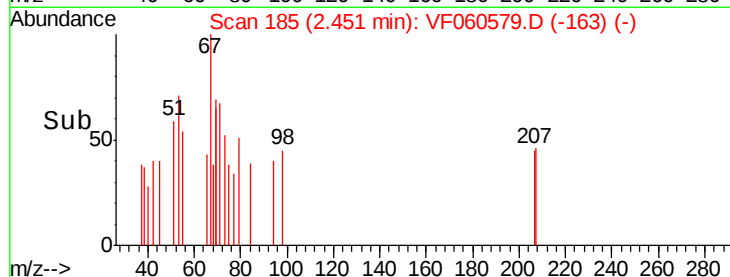
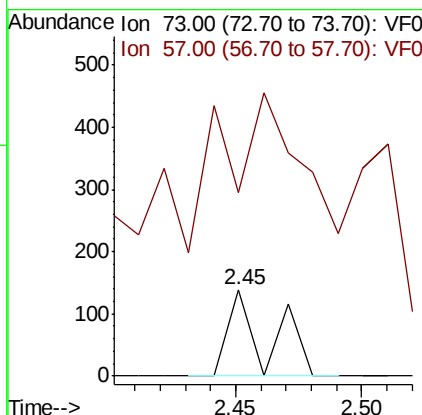
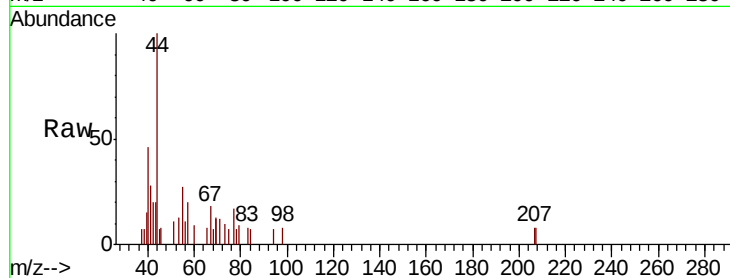


#19

Methyl tert-butyl Ether
 Concen: 123.495 ug/l
 RT: 2.45 min Scan# 185
 Delta R.T. 0.02 min
 Lab File: VF060579.D
 Acq: 5 Nov 2018 18:46

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-3RE

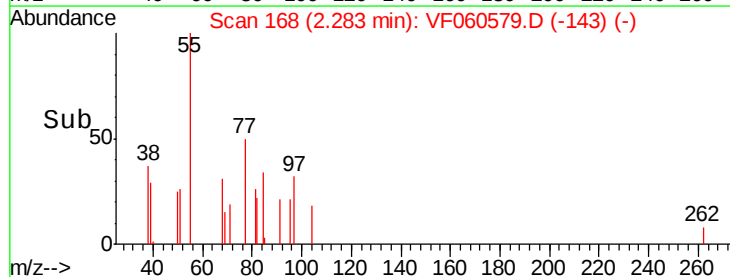
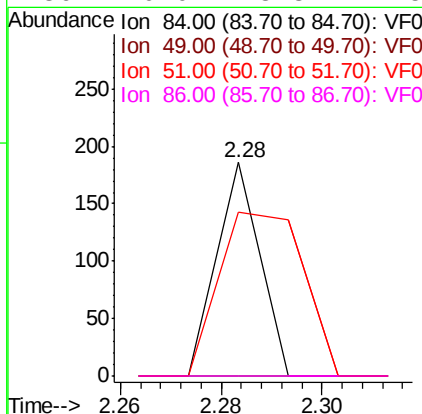
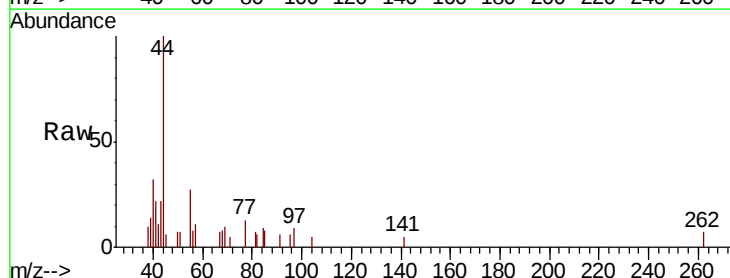
Tot Ion: 73 Resp: 151
 Ion Ratio Lower Upper
 73 100
 57 212.2 15.4 23.0#

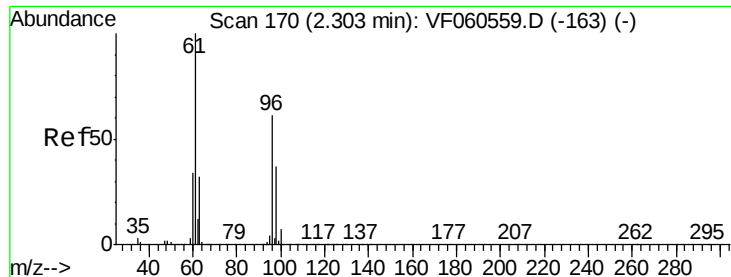


#20

Methylene Chloride
 Concen: 236.847 ug/l
 RT: 2.28 min Scan# 168
 Delta R.T. 0.05 min
 Lab File: VF060579.D
 Acq: 5 Nov 2018 18:46

Tgt Ion: 84 Resp: 110
 Ion Ratio Lower Upper
 84 100
 49 0.0 109.9 164.9#
 51 76.9 35.8 53.8#
 86 0.0 48.3 72.5#





#21

trans-1,2-Dichloroethene

Concen: 471.982 ug/l

RT: 2.31 min Scan# 171

Delta R.T. 0.01 min

Lab File: VF060579.D

Acq: 5 Nov 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

TP-3RE

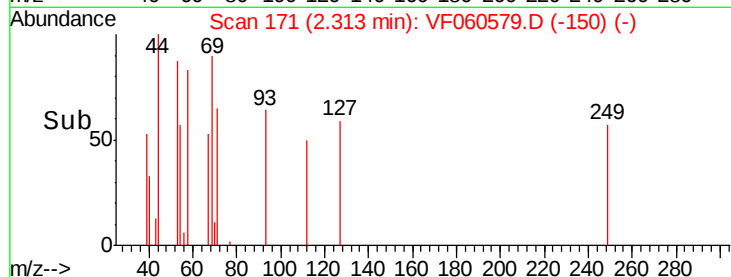
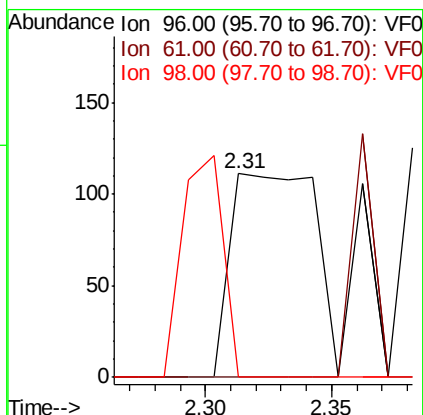
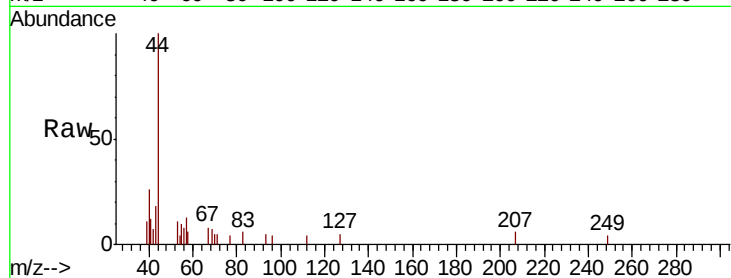
Tot Ion: 96 Resp: 259

Ion Ratio Lower Upper

96 100

61 0.0 131.3 196.9#

98 0.0 48.6 73.0#



#22

Diisopropyl ether

Concen: 226.578 ug/l

RT: 2.82 min Scan# 222

Delta R.T. 0.02 min

Lab File: VF060579.D

Acq: 5 Nov 2018 18:46

Tgt Ion: 45 Resp: 410

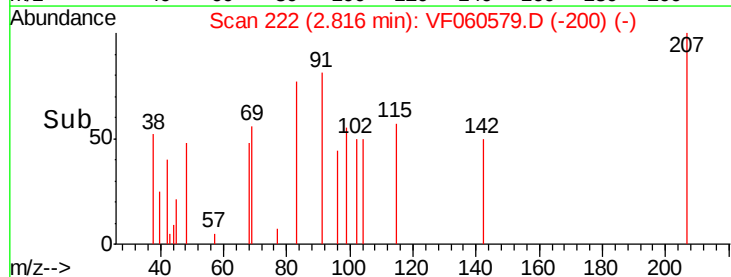
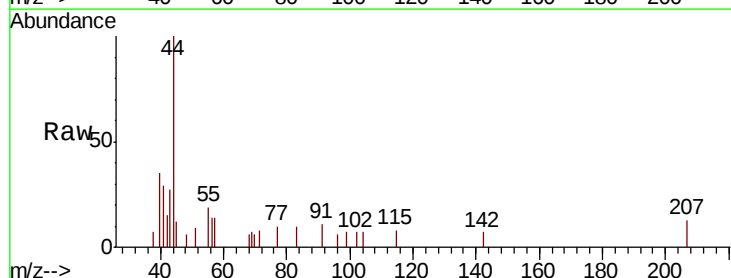
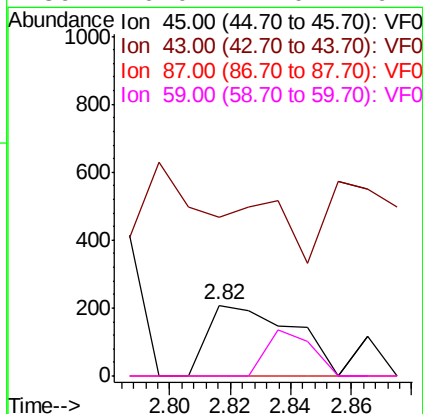
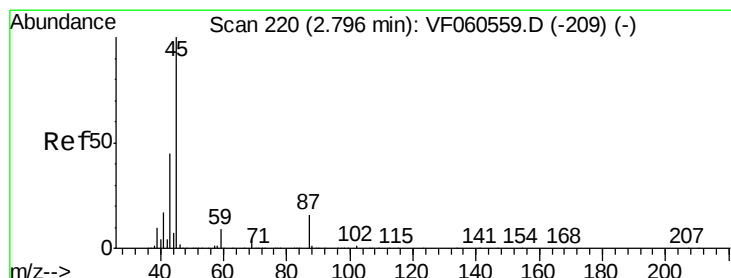
Ion Ratio Lower Upper

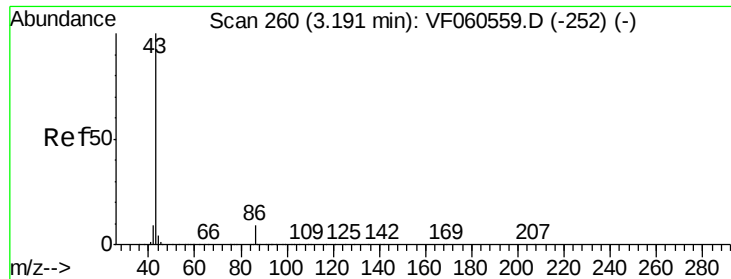
45 100

43 223.0 38.1 57.1#

87 0.0 12.7 19.1#

59 0.0 7.0 10.4#





#23

Vinyl Acetate

Concen: 175.677 ug/l

RT: 3.24 min Scan# 265

Delta R.T. 0.05 min

Lab File: VF060579.D

Acq: 5 Nov 2018 18:46

Instrument :

MSVOA_F

ClientSampled :

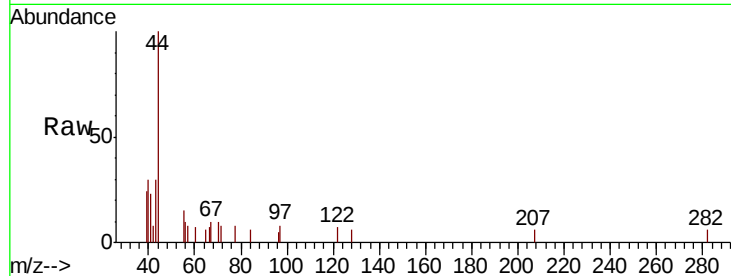
TP-3RE

Tot Ion: 43 Resp: 191

Ion Ratio Lower Upper

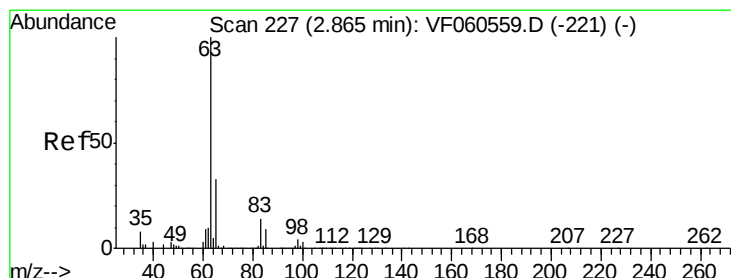
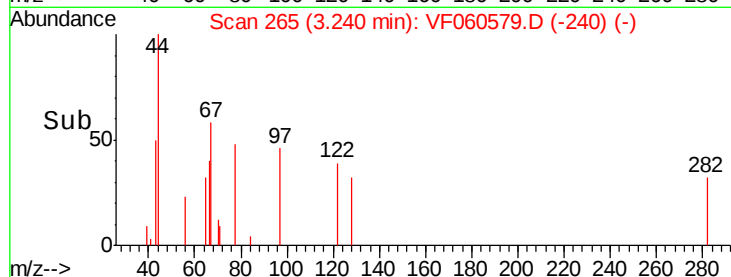
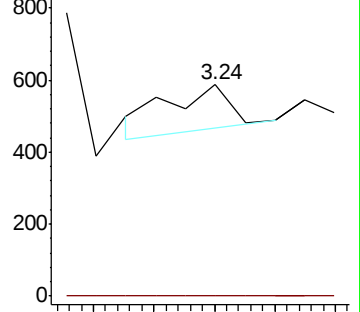
43 100

86 0.0 7.1 10.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 61.113 ug/l

RT: 2.98 min Scan# 239

Delta R.T. 0.12 min

Lab File: VF060579.D

Acq: 5 Nov 2018 18:46

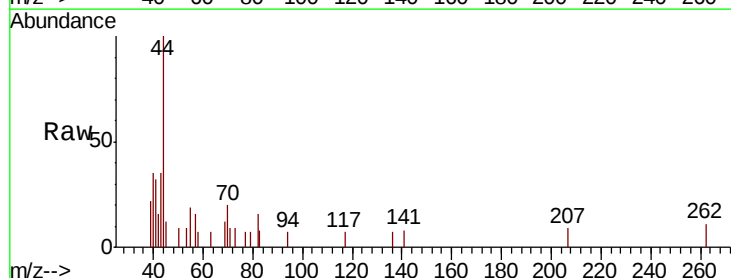
Tgt Ion: 63 Resp: 64

Ion Ratio Lower Upper

63 100

98 0.0 2.2 6.6#

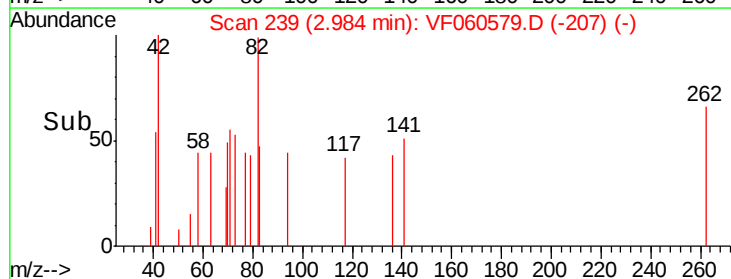
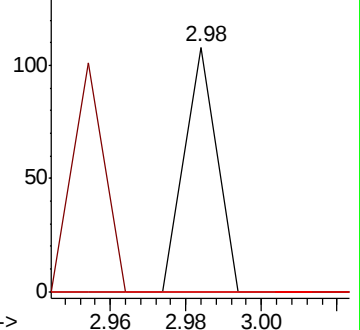
100 0.0 1.4 4.0#

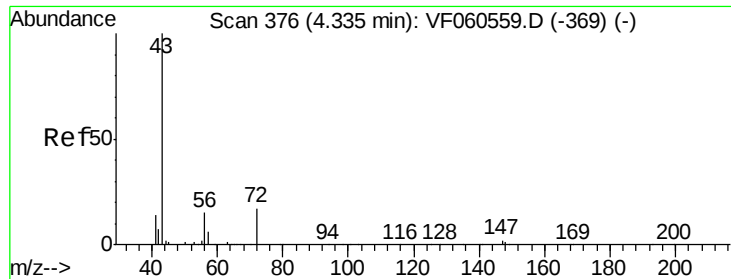


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 240.742 ug/l

RT: 4.41 min Scan# 384

Delta R.T. 0.08 min

Lab File: VF060579.D

Acq: 5 Nov 2018 18:46

Instrument :

MSVOA_F

ClientSampled :

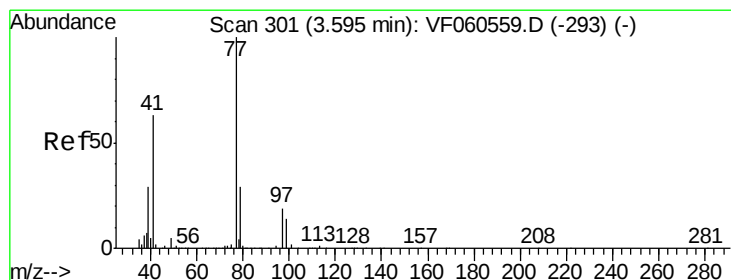
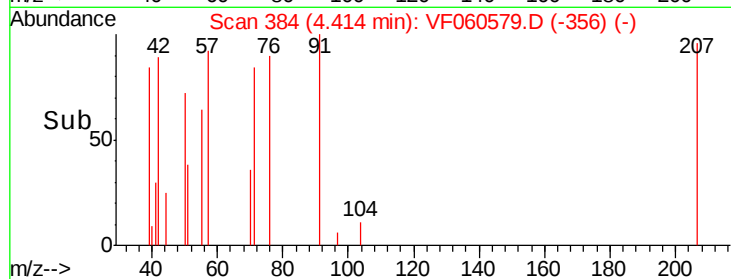
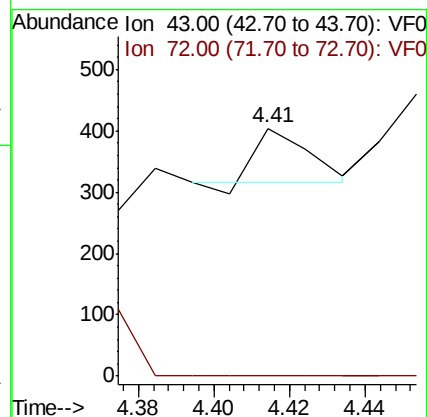
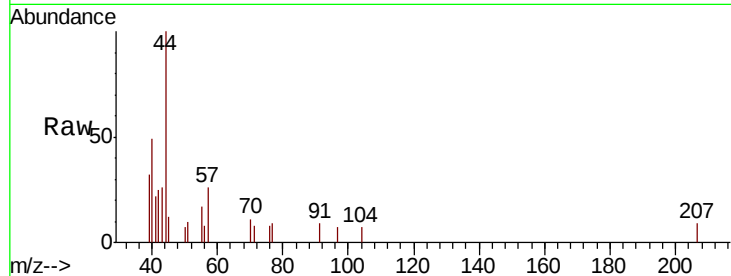
TP-3RE

Tot Ion: 43 Resp: 78

Ion Ratio Lower Upper

43 100

72 0.0 16.2 24.2#



#26

2,2-Dichloropropane

Concen: 299.898 ug/l

RT: 3.66 min Scan# 308

Delta R.T. 0.07 min

Lab File: VF060579.D

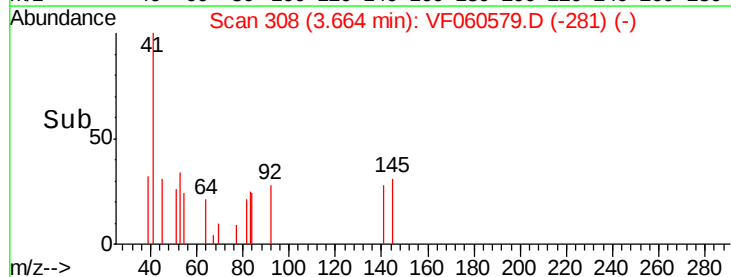
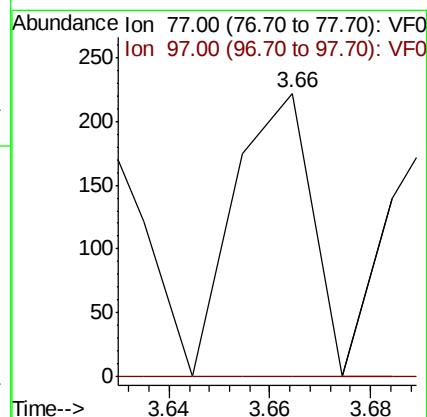
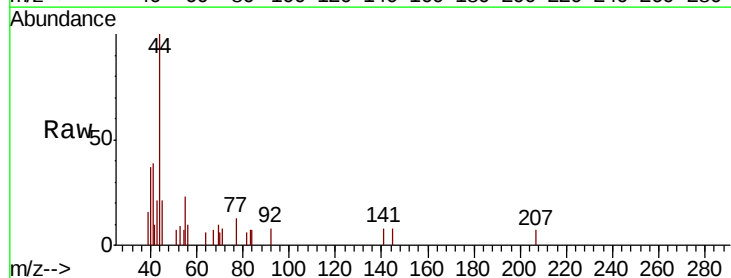
Acq: 5 Nov 2018 18:46

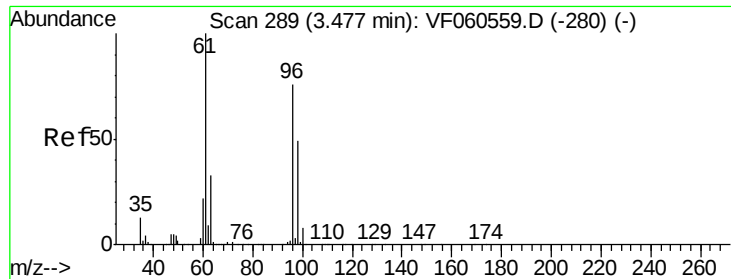
Tgt Ion: 77 Resp: 235

Ion Ratio Lower Upper

77 100

97 0.0 9.8 29.3#



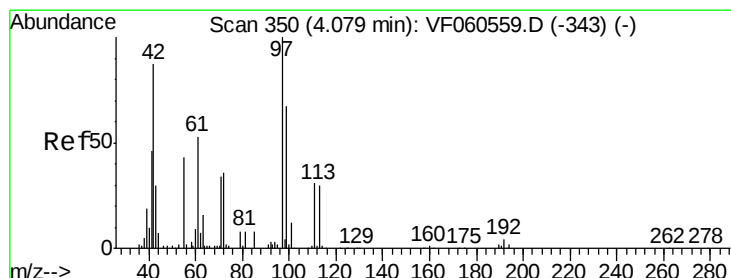
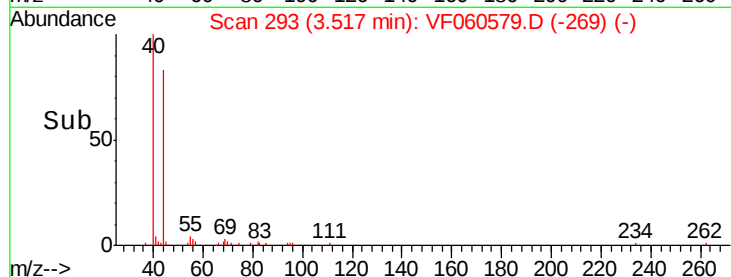
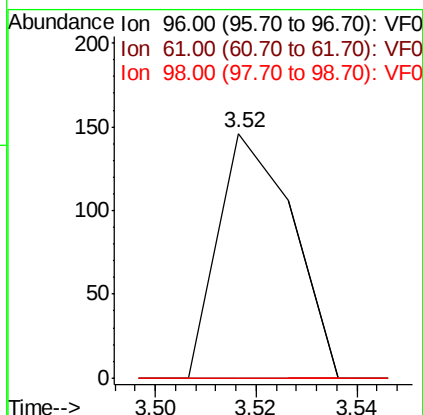
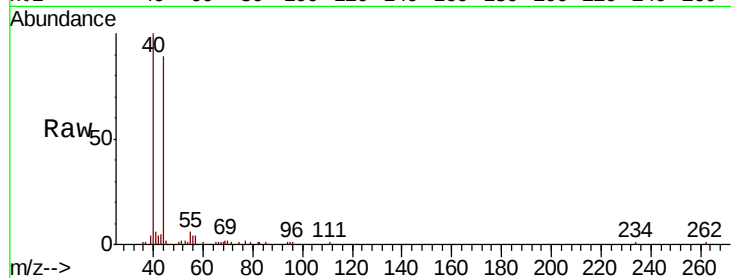


#27

cis-1,2-Dichloroethene
Concen: 142.235 ug/l
RT: 3.52 min Scan# 293
Delta R.T. 0.04 min
Lab File: VF060579.D
Acq: 5 Nov 2018 18:46

Instrument :
MSVOA_F
ClientSampleId :
TP-3RE

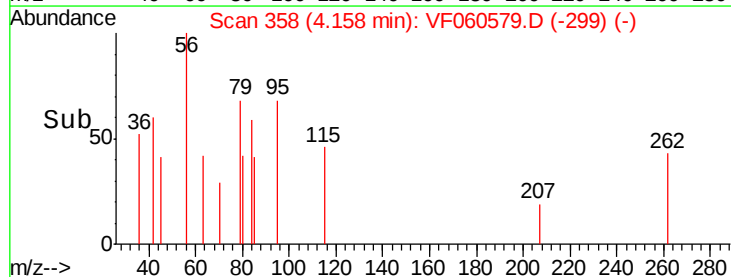
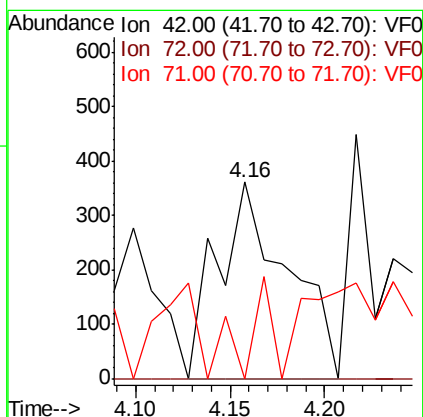
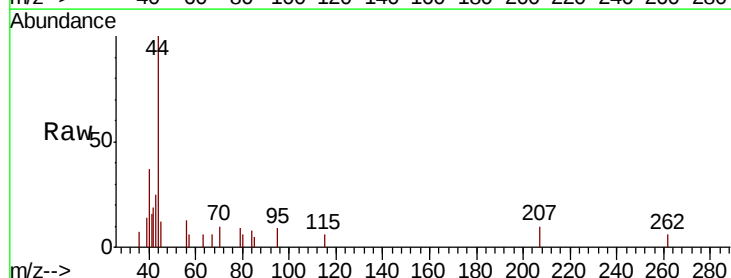
Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	263.0
98	0.0	0.0	130.6

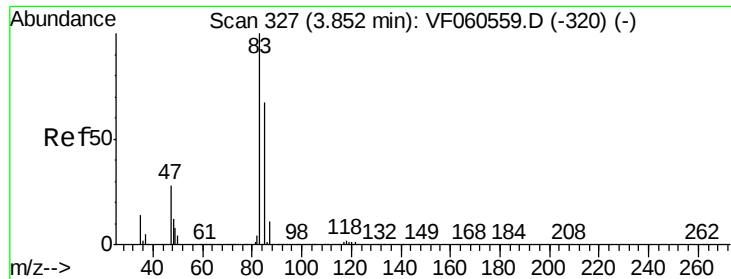


#29

Tetrahydrofuran
Concen: 7627.451 ug/l
RT: 4.16 min Scan# 358
Delta R.T. 0.08 min
Lab File: VF060579.D
Acq: 5 Nov 2018 18:46

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.0#
71	12.0	31.8	47.6#

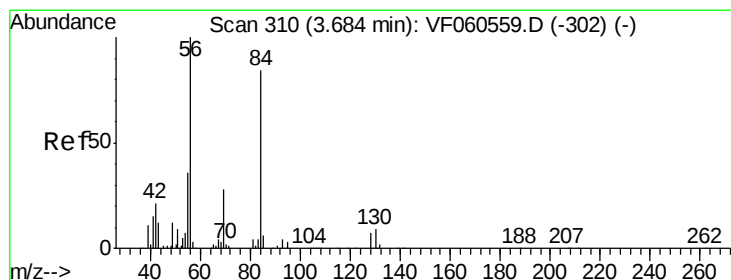
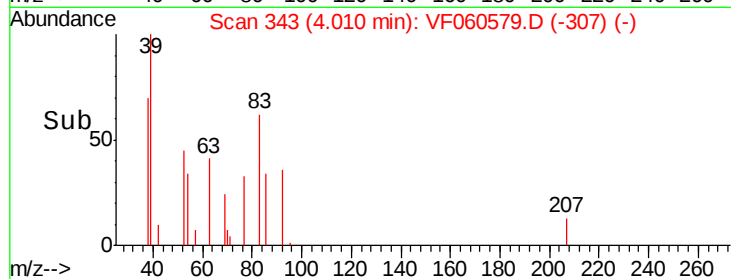
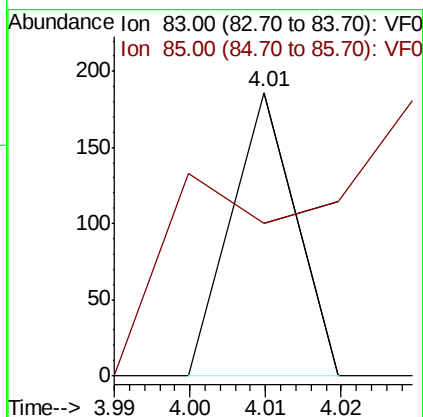
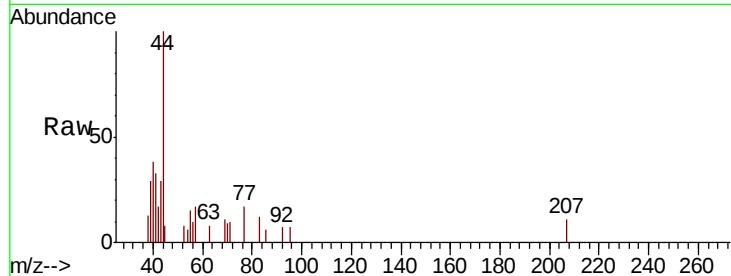




#30
Chloroform
Concen: 66.392 ug/l
RT: 4.01 min Scan# 343
Delta R.T. 0.16 min
Lab File: VF060579.D
Acq: 5 Nov 2018 18:46

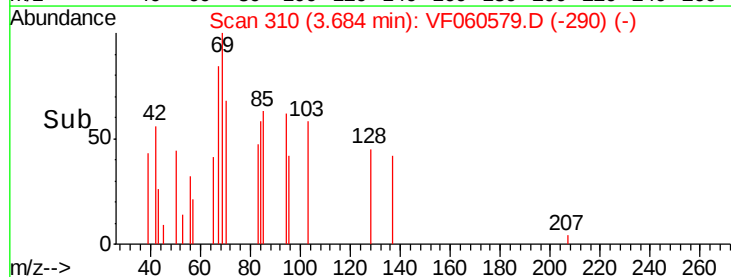
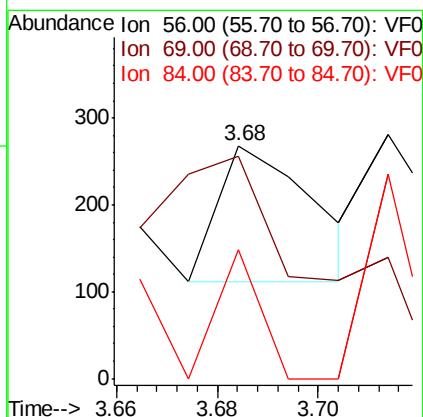
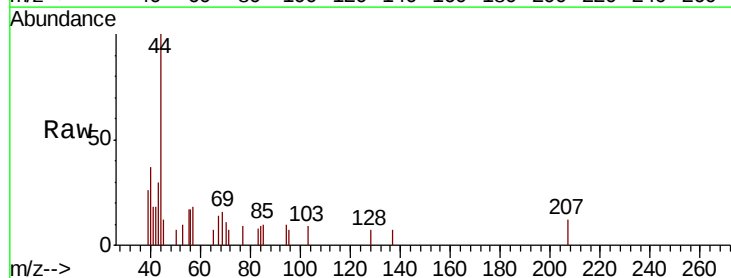
Instrument :
MSVOA_F
ClientSampled :
TP-3RE

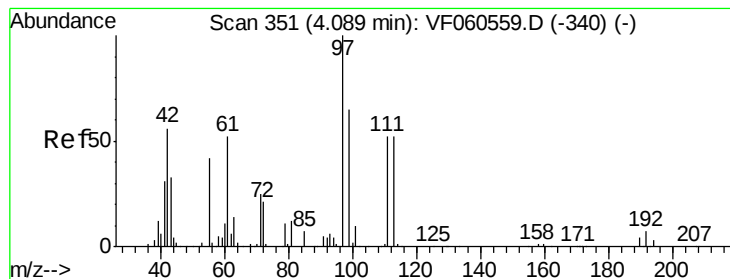
Tot Ion: 83 Resp: 110
Ion Ratio Lower Upper
83 100
85 53.8 53.7 80.5



#31
Cyclohexane
Concen: 141.852 ug/l
RT: 3.68 min Scan# 310
Delta R.T. 0.00 min
Lab File: VF060579.D
Acq: 5 Nov 2018 18:46

Tgt Ion: 56 Resp: 205
Ion Ratio Lower Upper
56 100
69 95.5 23.0 34.4#
84 55.6 67.1 100.7#





#32

1,1,1-Trichloroethane

Concen: 167.649 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.04 min

Lab File: VF060579.D

Acq: 5 Nov 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

TP-3RE

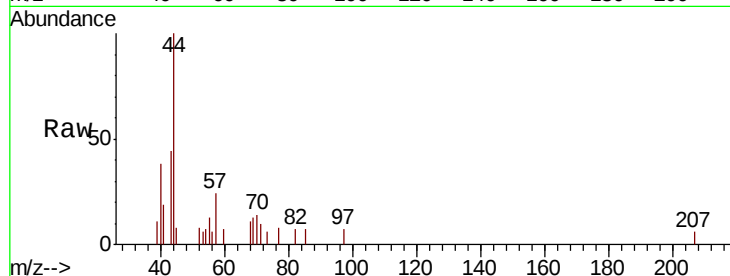
Tot Ion: 97 Resp: 194

Ion Ratio Lower Upper

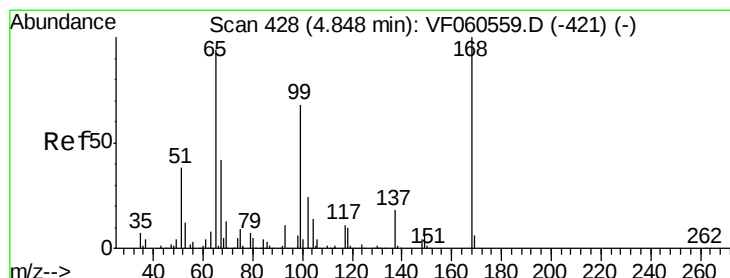
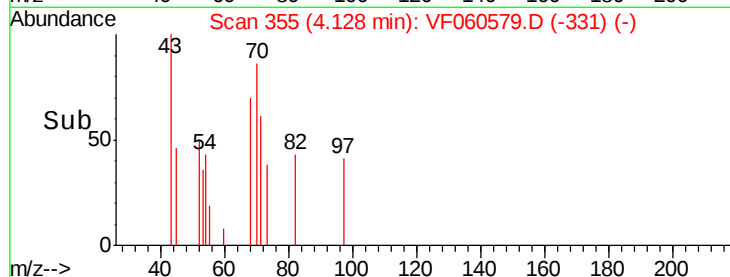
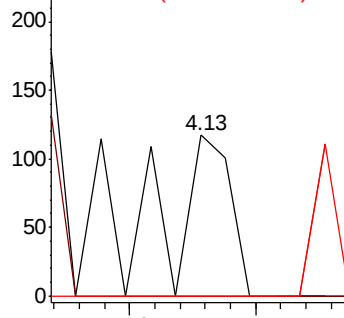
97 100

99 0.0 52.4 78.6#

61 0.0 41.5 62.3#



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: 89.351 ug/l

RT: 4.94 min Scan# 437

Delta R.T. 0.09 min

Lab File: VF060579.D

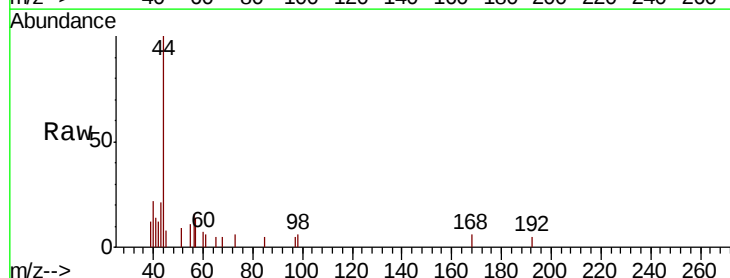
Acq: 5 Nov 2018 18:46

Tgt Ion: 65 Resp: 65

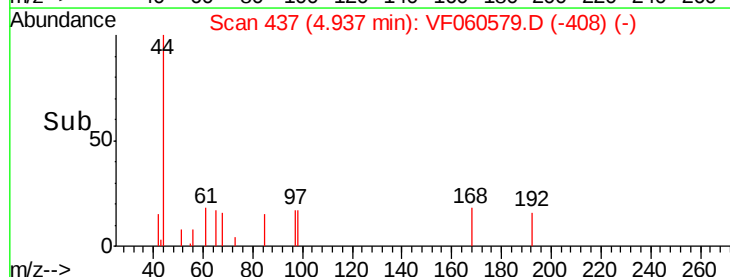
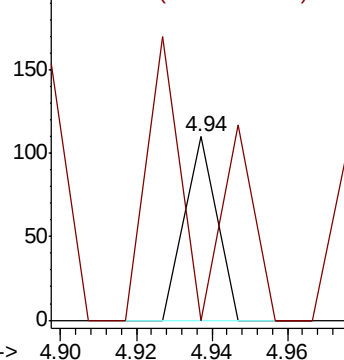
Ion Ratio Lower Upper

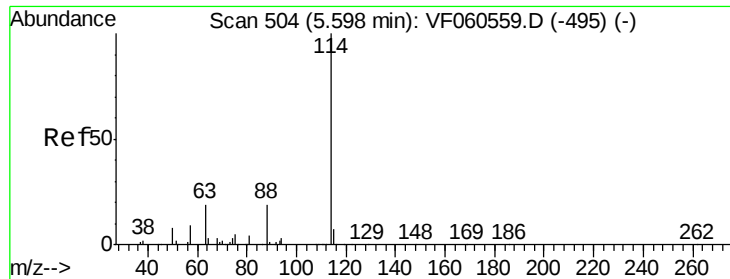
65 100

67 0.0 0.0 101.8



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0

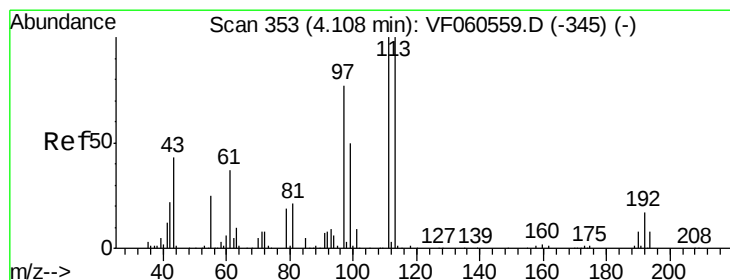
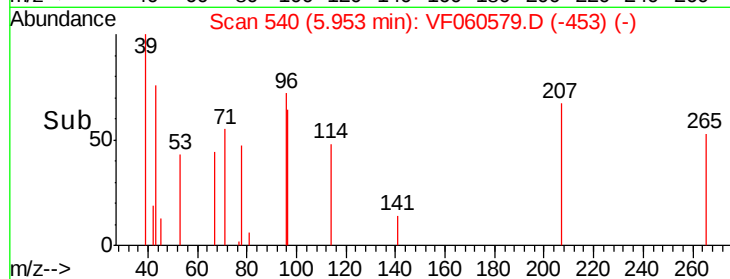
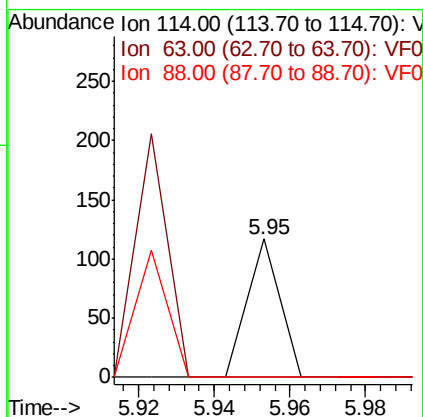
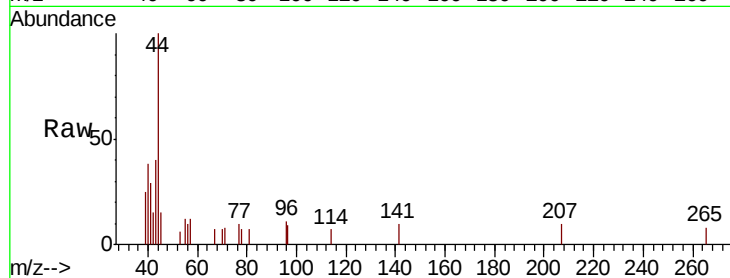




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.95 min Scan# 540
 Delta R.T. 0.36 min
 Lab File: VF060579.D
 Acq: 5 Nov 2018 18:46

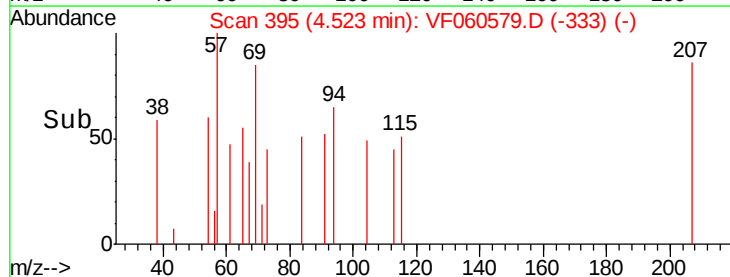
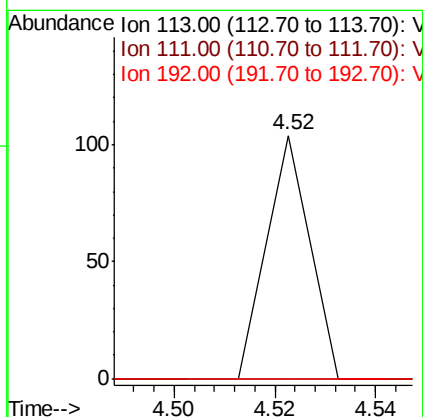
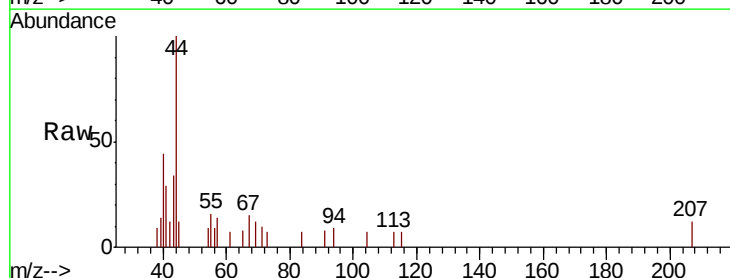
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-3RE

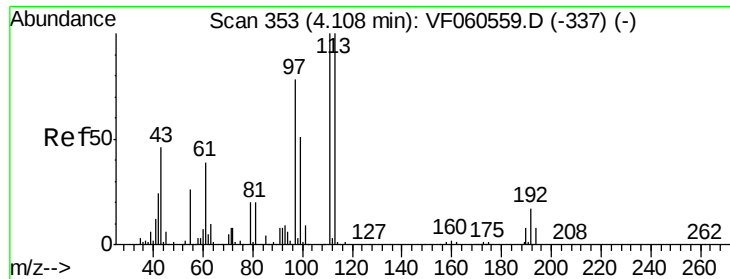
Tot Ion:114 Resp: 69
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 39.0
 88 0.0 0.0 38.2



#35
 Dibromofluoromethane
 Concen: 116.303 ug/l
 RT: 4.52 min Scan# 395
 Delta R.T. 0.41 min
 Lab File: VF060579.D
 Acq: 5 Nov 2018 18:46

Tgt Ion:113 Resp: 62
 Ion Ratio Lower Upper
 113 100
 111 0.0 79.9 119.9#
 192 0.0 13.3 19.9#

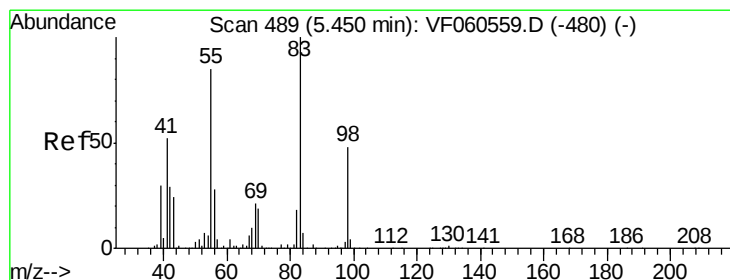
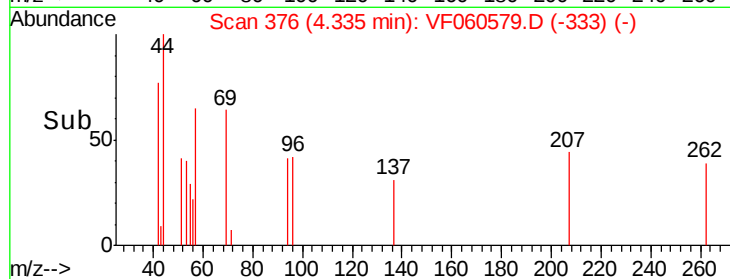
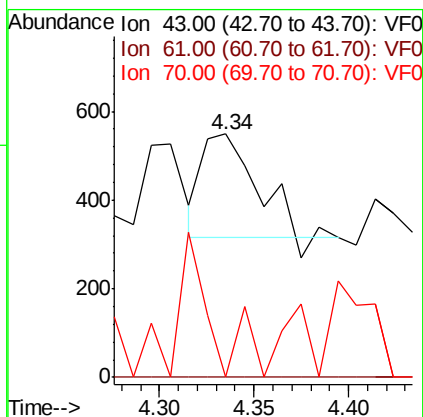
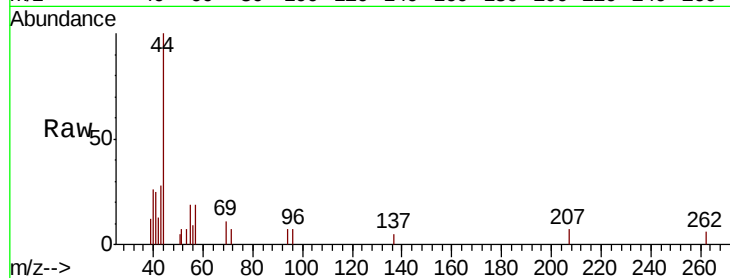




#37
 Ethyl Acetate
 Concen: 1261.307 ug/l
 RT: 4.34 min Scan# 376
 Delta R.T. 0.23 min
 Lab File: VF060579.D
 Acq: 5 Nov 2018 18:46

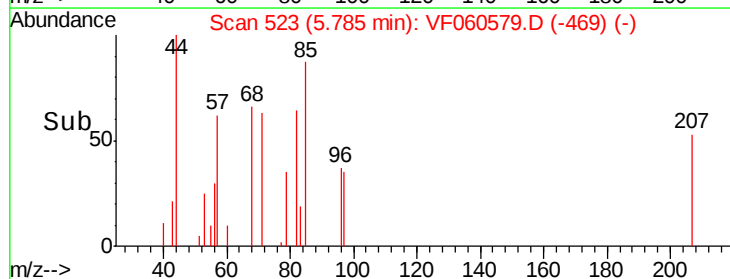
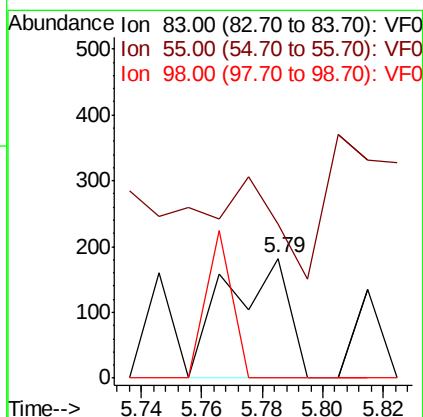
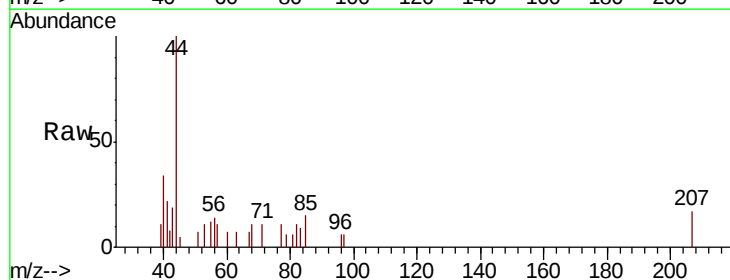
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-3RE

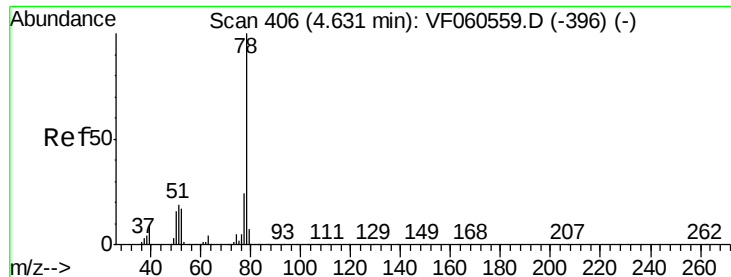
Tot Ion: 43 Resp: 460
 Ion Ratio Lower Upper
 43 100
 61 0.0 63.4 95.2#
 70 0.0 9.3 13.9#



#39
 Methylcyclohexane
 Concen: 283.670 ug/l
 RT: 5.79 min Scan# 523
 Delta R.T. 0.34 min
 Lab File: VF060579.D
 Acq: 5 Nov 2018 18:46

Tgt Ion: 83 Resp: 263
 Ion Ratio Lower Upper
 83 100
 55 129.1 69.1 103.7#
 98 0.0 38.6 57.8#





#40

Benzene

Concen: 45.549 ug/l

RT: 4.95 min Scan# 438

Delta R.T. 0.32 min

Lab File: VF060579.D

Acq: 5 Nov 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

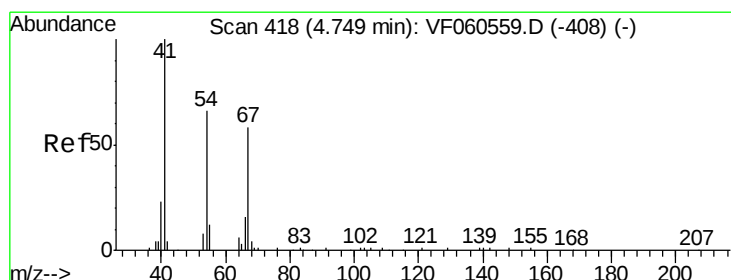
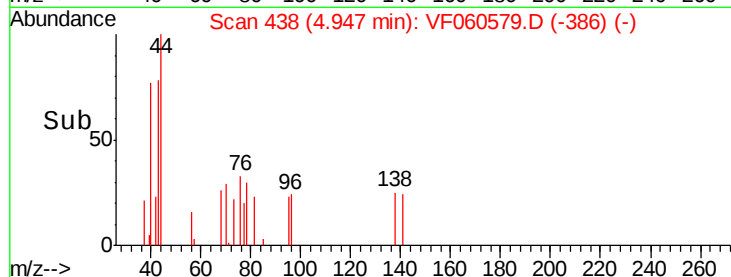
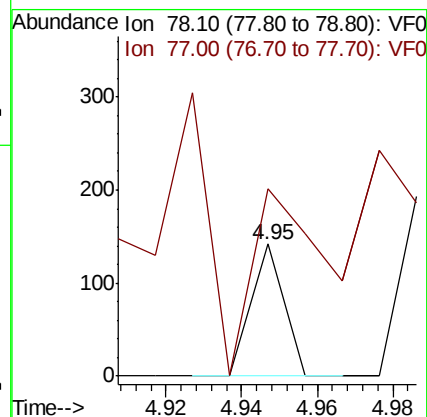
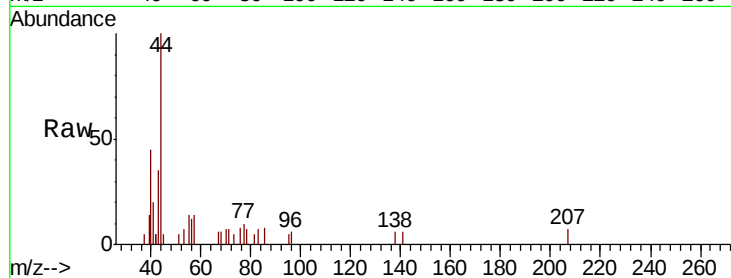
TP-3RE

Tot Ion: 78 Resp: 84

Ion Ratio Lower Upper

78 100

77 142.3 19.3 28.9#



#41

Methacrylonitrile

Concen: 1258.872 ug/l

RT: 5.07 min Scan# 450

Delta R.T. 0.32 min

Lab File: VF060579.D

Acq: 5 Nov 2018 18:46

Tgt Ion: 41 Resp: 260

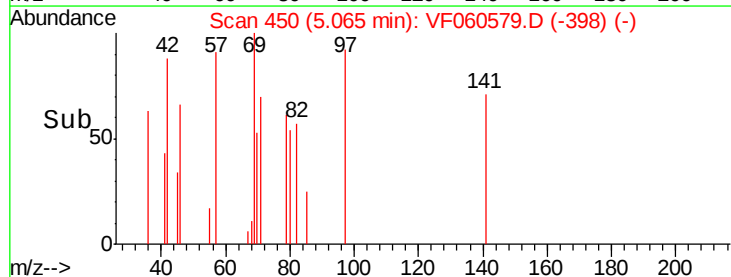
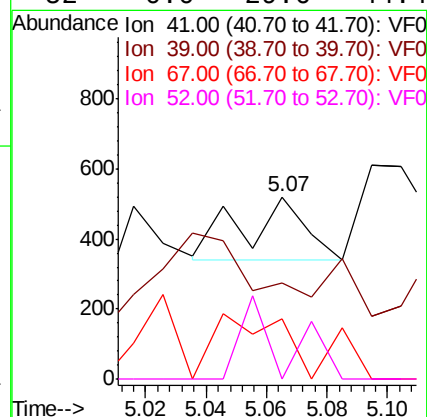
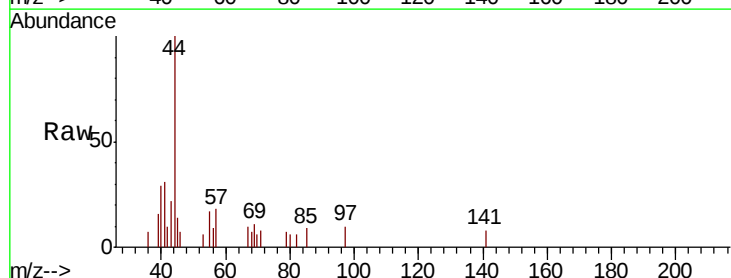
Ion Ratio Lower Upper

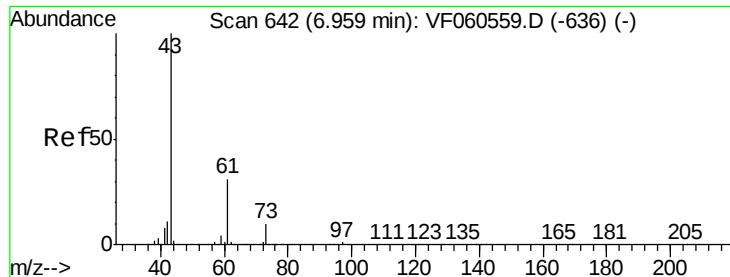
41 100

39 52.7 45.6 68.4

67 33.3 45.3 67.9#

52 0.0 29.6 44.4#





#43

Isopropyl Acetate

Concen: 448.715 ug/l

RT: 7.38 min Scan# 685

Delta R.T. 0.42 min

Lab File: VF060579.D

Acq: 5 Nov 2018 18:46

Instrument :

MSVOA_F

ClientSampleID :

TP-3RE

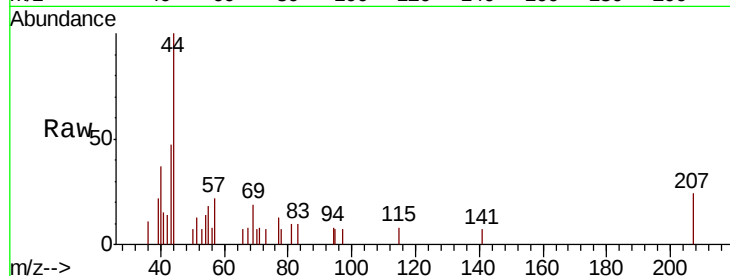
Tot Ion: 43 Resp: 207

Ion Ratio Lower Upper

43 100

61 0.0 24.2 36.2#

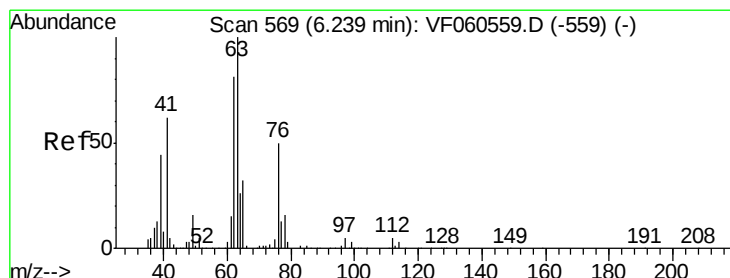
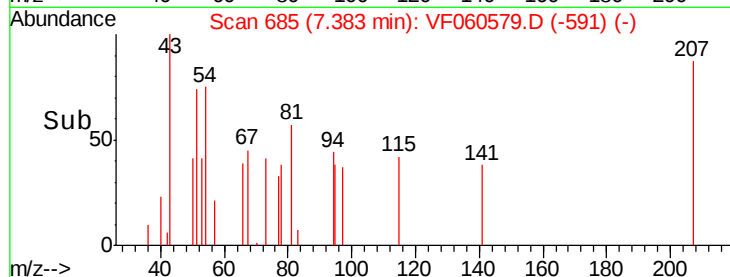
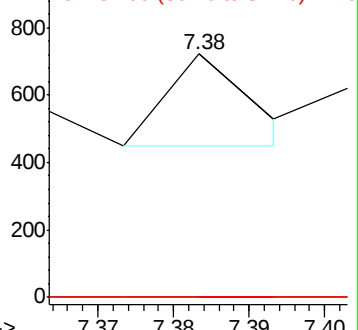
87 0.0 0.2 0.4#



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



#45

1,2-Dichloropropane

Concen: 167.497 ug/l

RT: 6.55 min Scan# 601

Delta R.T. 0.32 min

Lab File: VF060579.D

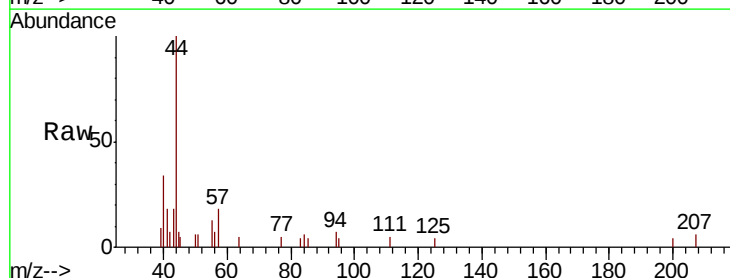
Acq: 5 Nov 2018 18:46

Tgt Ion: 63 Resp: 79

Ion Ratio Lower Upper

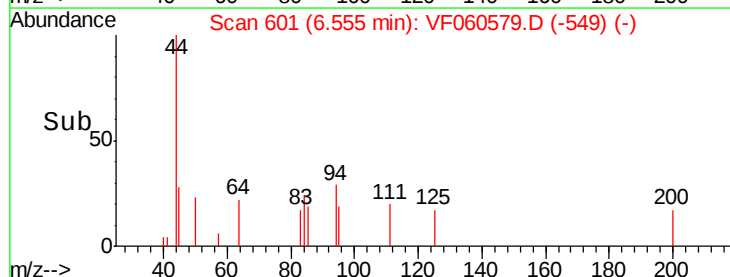
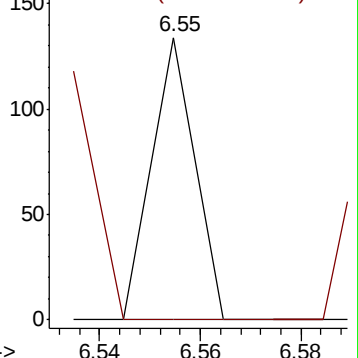
63 100

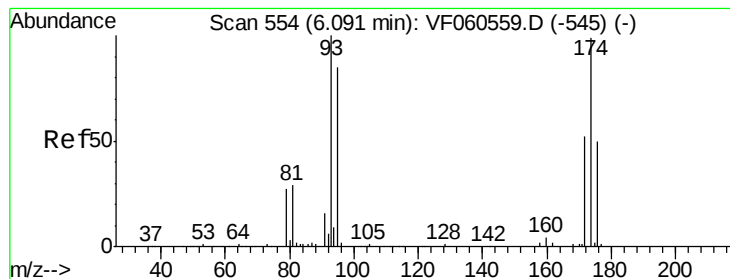
65 0.0 25.4 38.0#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0





#46

Dibromomethane

Concen: 220.575 ug/l

RT: 6.33 min Scan# 578

Delta R.T. 0.24 min

Lab File: VF060579.D

Acq: 5 Nov 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

TP-3RE

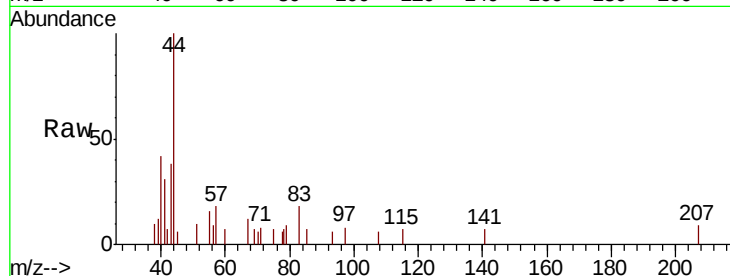
Tot Ion: 93 Resp: 66

Ion Ratio Lower Upper

93 100

95 0.0 68.6 102.8#

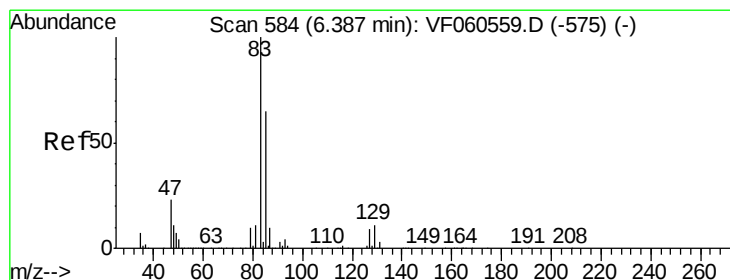
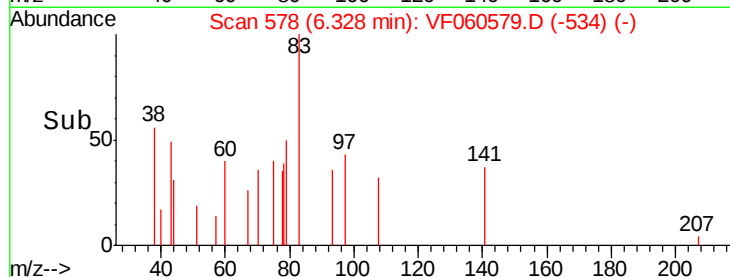
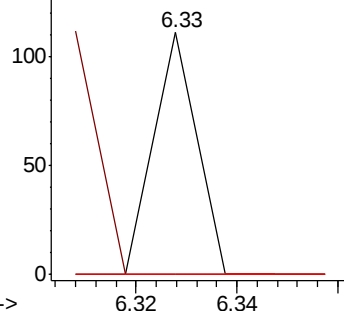
174 0.0 79.0 118.4#



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: 1150.034 ug/l

RT: 6.76 min Scan# 622

Delta R.T. 0.37 min

Lab File: VF060579.D

Acq: 5 Nov 2018 18:46

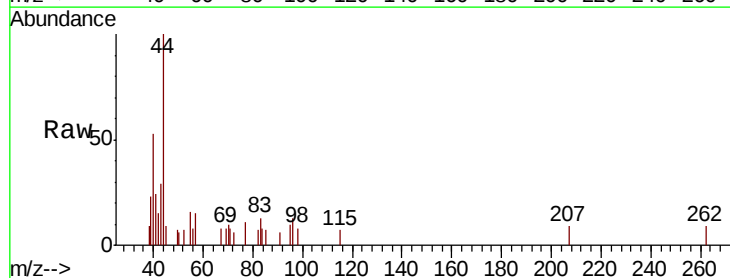
Tgt Ion: 83 Resp: 830

Ion Ratio Lower Upper

83 100

85 52.6 51.8 77.6

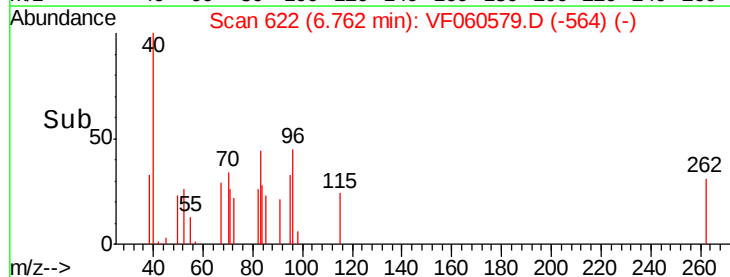
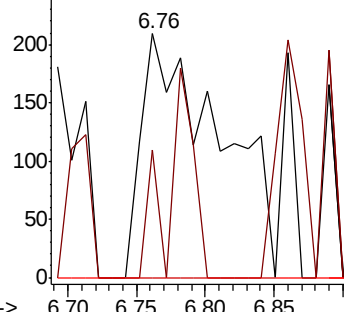
127 0.0 7.0 10.4#

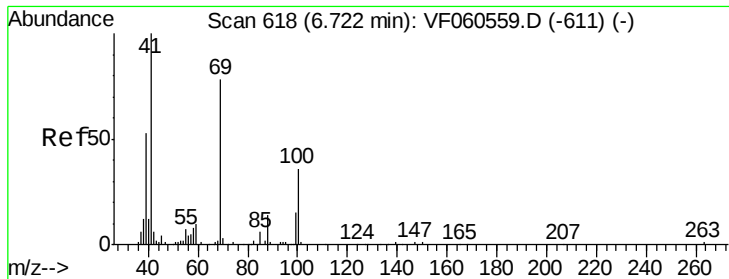


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V

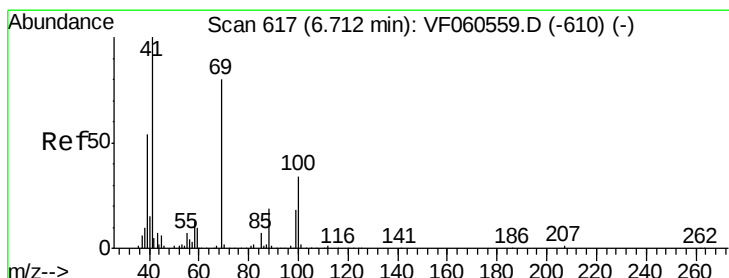
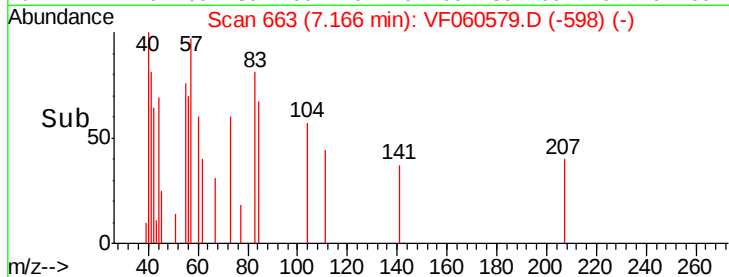
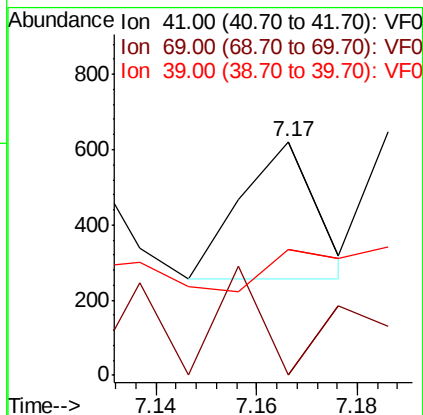
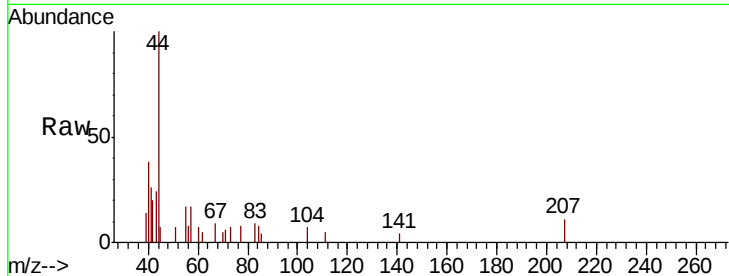




#48
Methyl methacrylate
Concen: 1310.649 ug/l
RT: 7.17 min Scan# 663
Delta R.T. 0.44 min
Lab File: VF060579.D
Acq: 5 Nov 2018 18:46

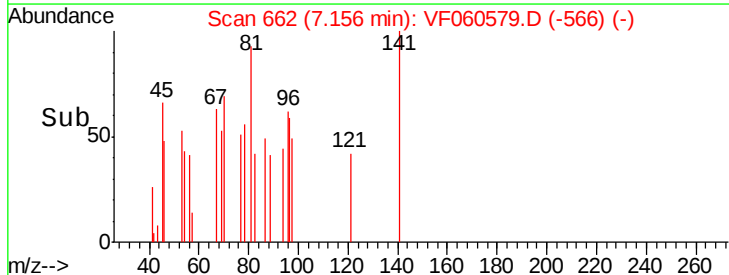
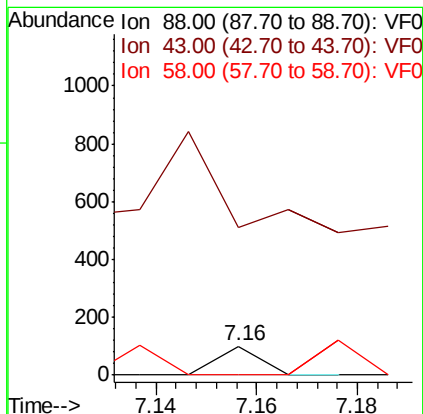
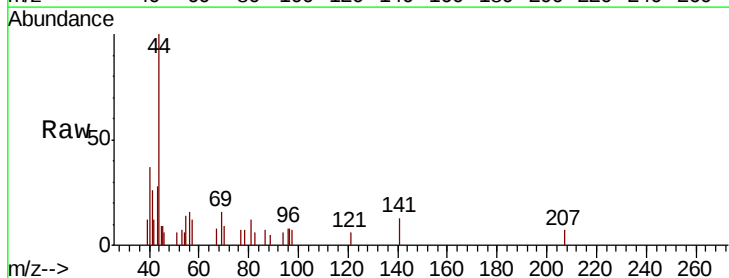
Instrument :
MSVOA_F
ClientSampled :
TP-3RE

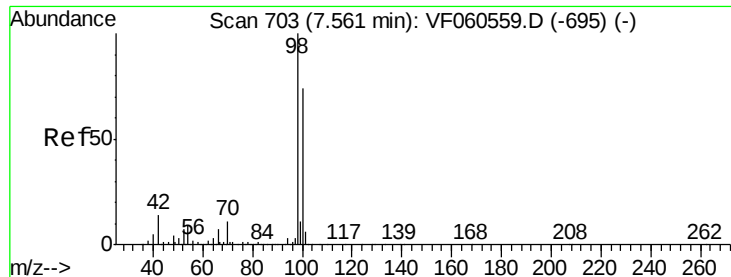
Tot Ion: 41 Resp: 380
Ion Ratio Lower Upper
41 100
69 0.0 61.1 91.7#
39 53.9 43.0 64.6



#49
1,4-Dioxane
Concen: 19452.900 ug/l
RT: 7.16 min Scan# 662
Delta R.T. 0.44 min
Lab File: VF060579.D
Acq: 5 Nov 2018 18:46

Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 512.0 61.2 91.8#
58 0.0 56.9 85.3#





#50

Toluene-d8

Concen: 159.577 ug/l

RT: 8.06 min Scan# 754

Delta R.T. 0.50 min

Lab File: VF060579.D

Acq: 5 Nov 2018 18:46

Instrument :

MSVOA_F

ClientSampleId :

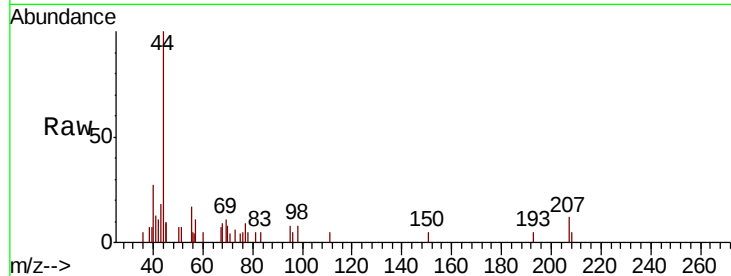
TP-3RE

Tot Ion: 98 Resp: 252

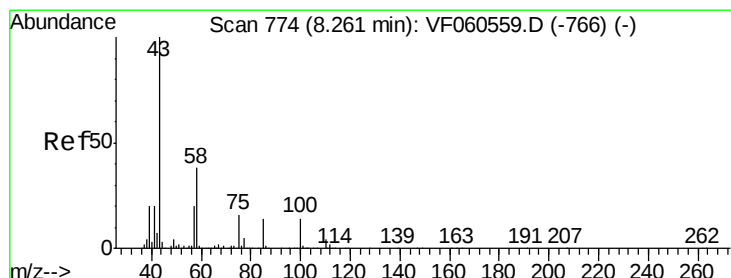
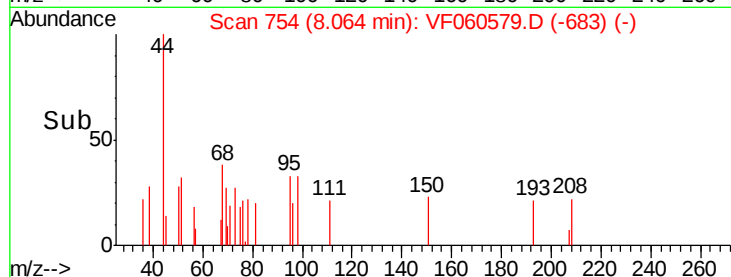
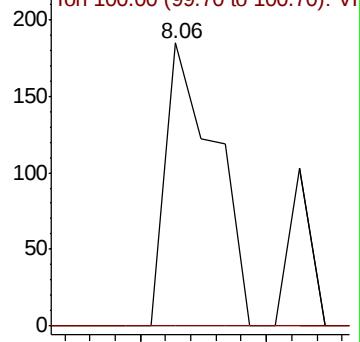
Ion Ratio Lower Upper

98 100

100 0.0 59.4 89.2#



Abundance Ion 98.00 (97.70 to 98.70): VF0



#51

4-Methyl-2-Pentanone

Concen: 4635.415 ug/l

RT: 8.79 min Scan# 828

Delta R.T. 0.53 min

Lab File: VF060579.D

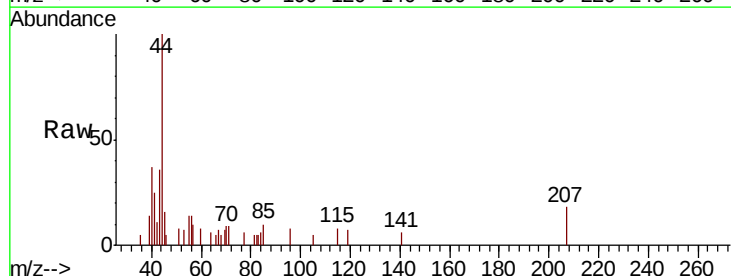
Acq: 5 Nov 2018 18:46

Tgt Ion: 43 Resp: 1438

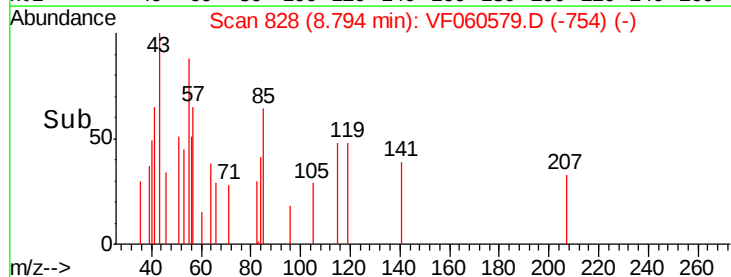
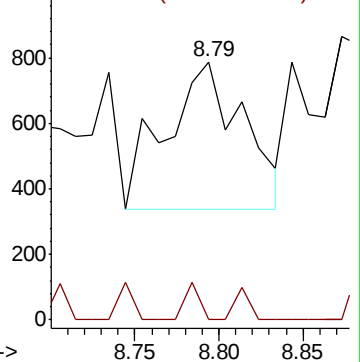
Ion Ratio Lower Upper

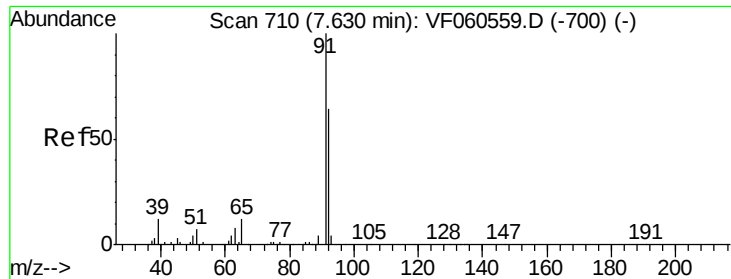
43 100

58 0.0 30.1 45.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0





#52

Toluene

Concen: 58.271 ug/l

RT: 8.16 min Scan# 764

Delta R.T. 0.53 min

Lab File: VF060579.D

Acq: 5 Nov 2018 18:46

Instrument :

MSVOA_F

ClientSampled :

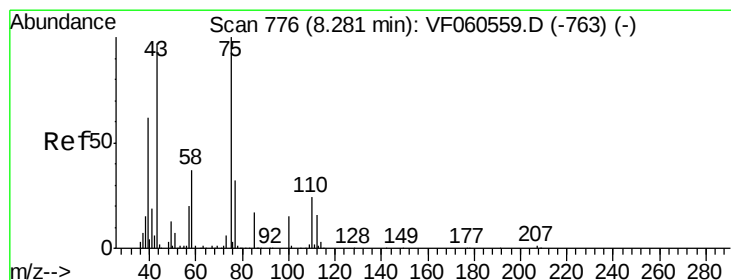
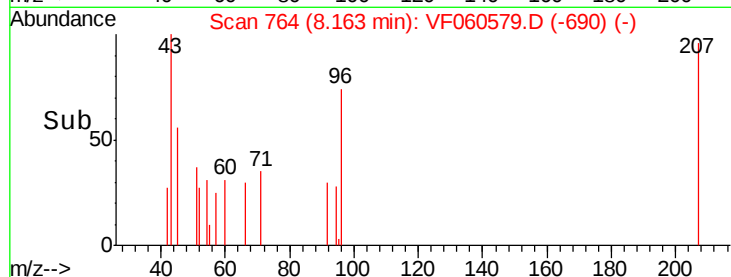
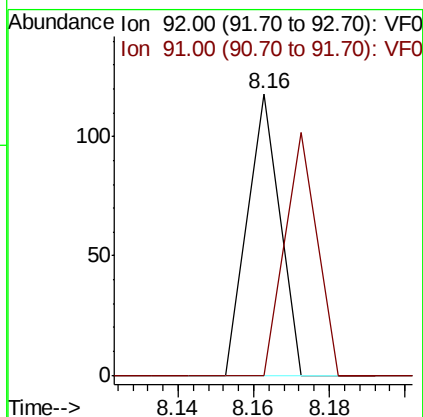
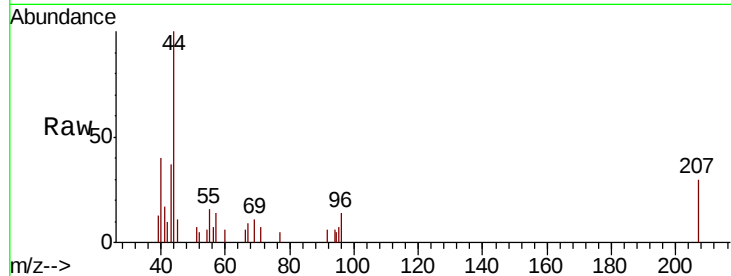
TP-3RE

Tot Ion: 92 Resp: 70

Ion Ratio Lower Upper

92 100

91 0.0 124.5 186.7#



#53

t-1,3-Dichloropropene

Concen: 102.030 ug/l

RT: 8.87 min Scan# 836

Delta R.T. 0.59 min

Lab File: VF060579.D

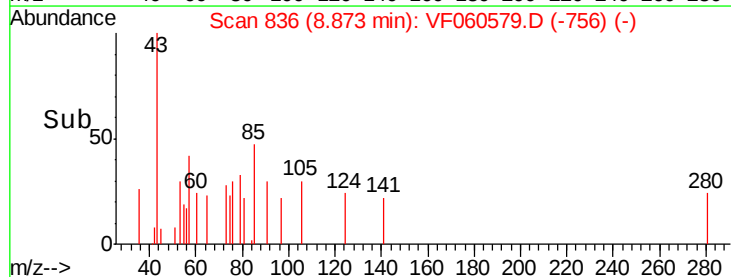
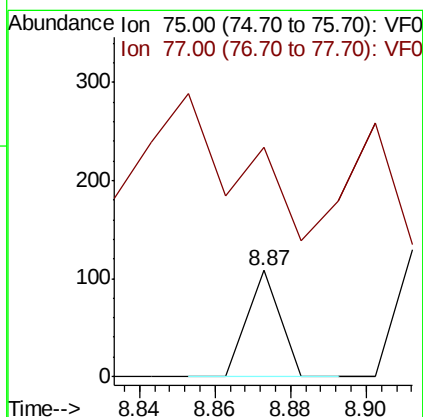
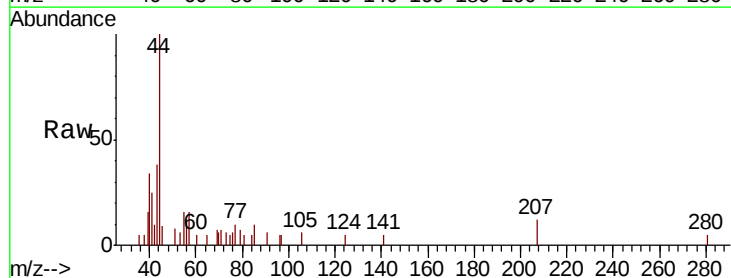
Acq: 5 Nov 2018 18:46

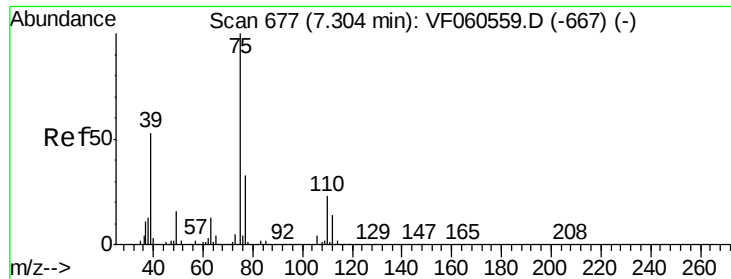
Tgt Ion: 75 Resp: 64

Ion Ratio Lower Upper

75 100

77 216.7 25.7 38.5#



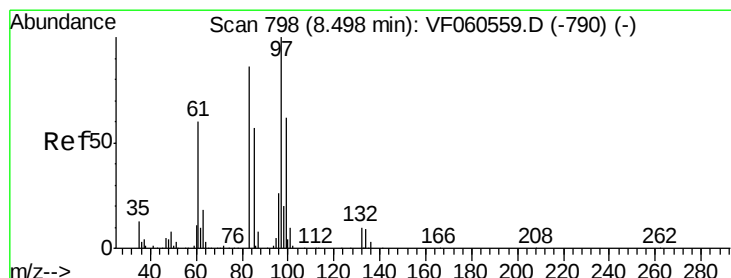
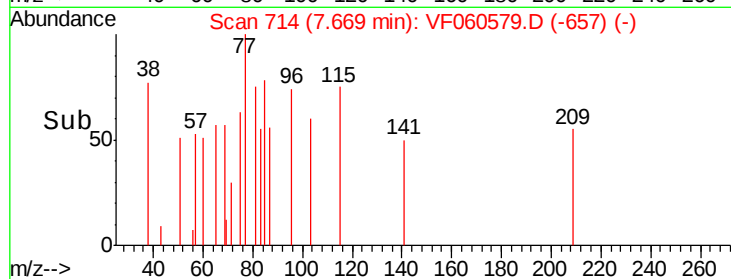
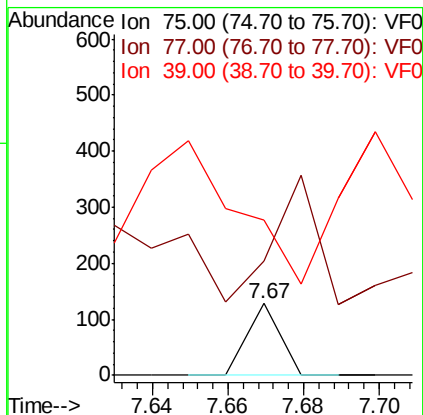
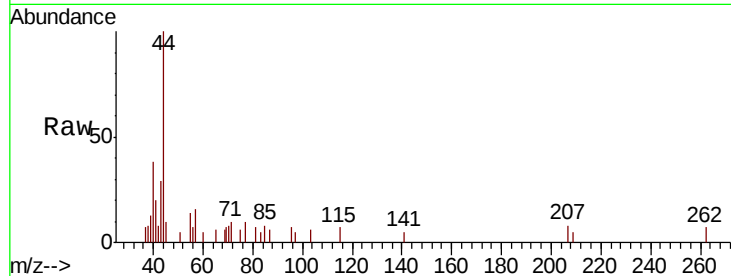


#54

cis-1,3-Dichloropropene
 Concen: 95.895 ug/l
 RT: 7.67 min Scan# 714
 Delta R.T. 0.37 min
 Lab File: VF060579.D
 Acq: 5 Nov 2018 18:46

Instrument :
 MSVOA_F
 ClientSampleID :
 TP-3RE

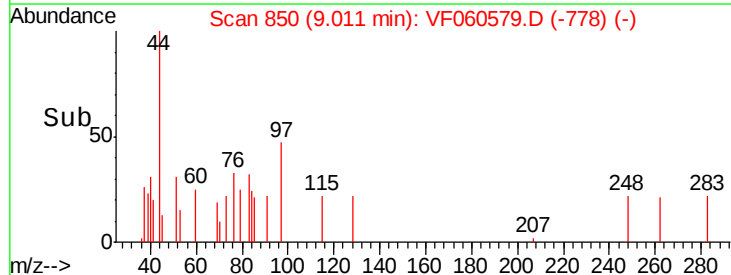
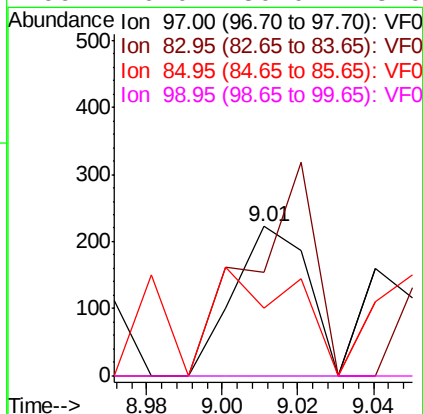
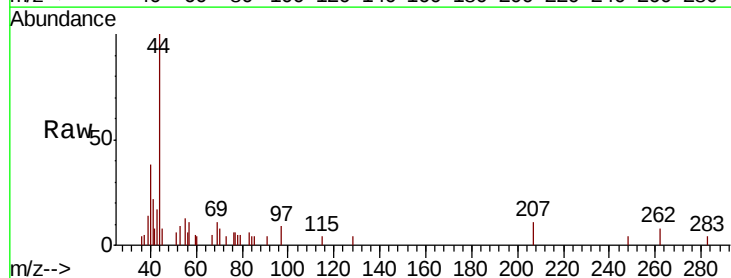
Tot Ion: 75 Resp: 76
 Ion Ratio Lower Upper
 75 100
 77 159.4 26.7 40.1#
 39 216.4 43.0 64.4#

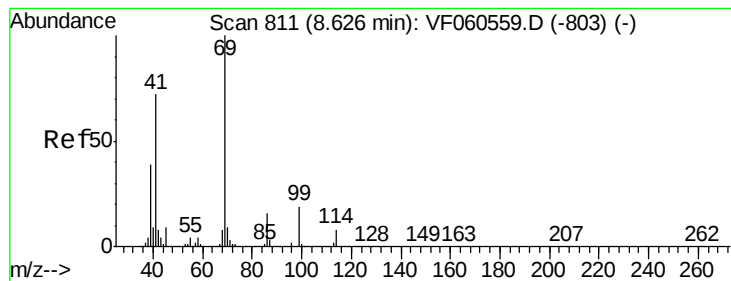


#55

1,1,2-Trichloroethane
 Concen: 861.048 ug/l
 RT: 9.01 min Scan# 850
 Delta R.T. 0.51 min
 Lab File: VF060579.D
 Acq: 5 Nov 2018 18:46

Tgt Ion: 97 Resp: 301
 Ion Ratio Lower Upper
 97 100
 83 69.8 69.4 104.0
 85 45.5 46.6 69.8#
 99 0.0 50.0 75.0#





#56

Ethyl methacrylate

Concen: 827.105 ug/l

RT: 9.19 min Scan# 868

Delta R.T. 0.56 min

Lab File: VF060579.D

Acq: 5 Nov 2018 18:46

Instrument :

MSVOA_F

ClientSampled :

TP-3RE

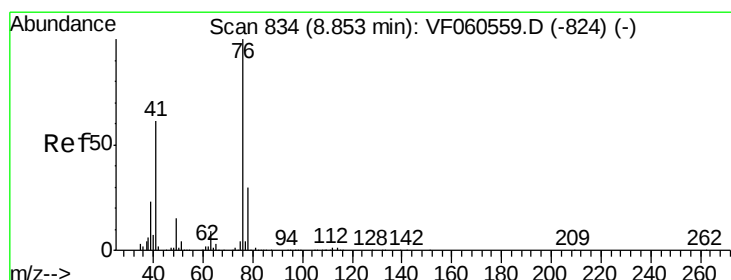
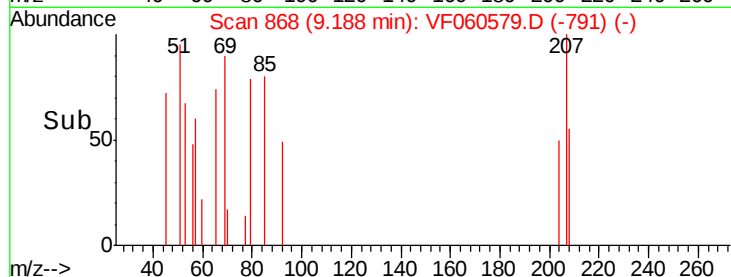
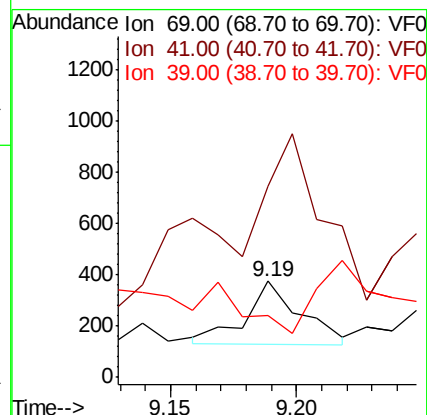
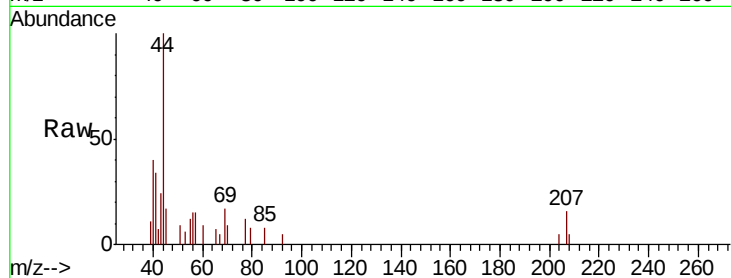
Tot Ion: 69 Resp: 372

Ion Ratio Lower Upper

69 100

41 199.2 59.2 88.8#

39 63.7 32.3 48.5#



#57

1,3-Dichloropropane

Concen: 128.795 ug/l

RT: 9.39 min Scan# 888

Delta R.T. 0.53 min

Lab File: VF060579.D

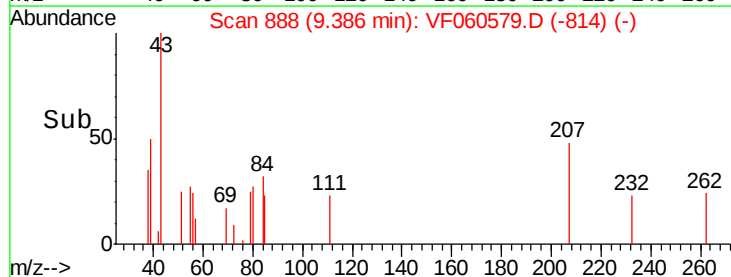
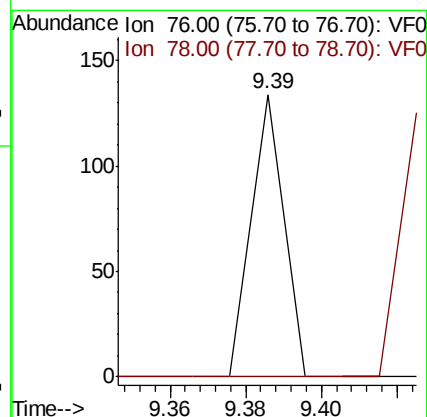
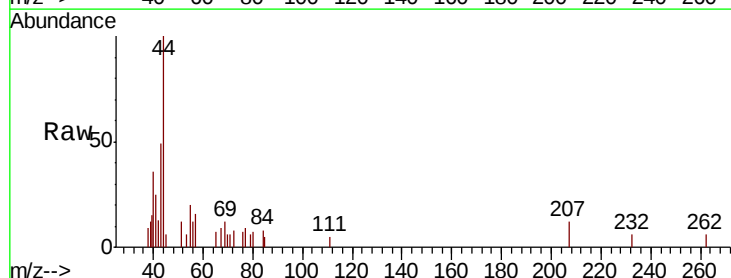
Acq: 5 Nov 2018 18:46

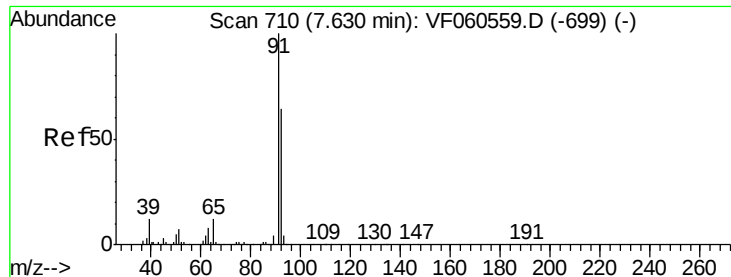
Tgt Ion: 76 Resp: 79

Ion Ratio Lower Upper

76 100

78 0.0 24.2 36.4#

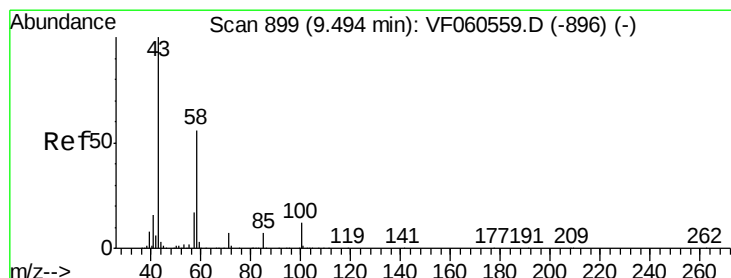
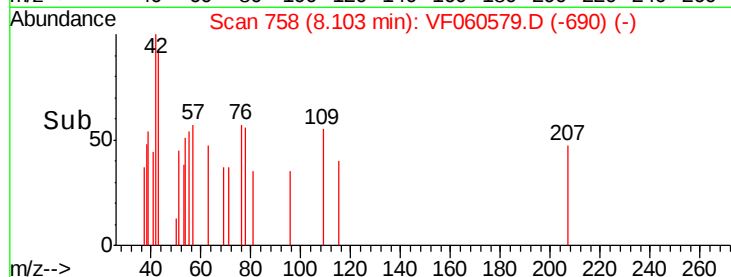
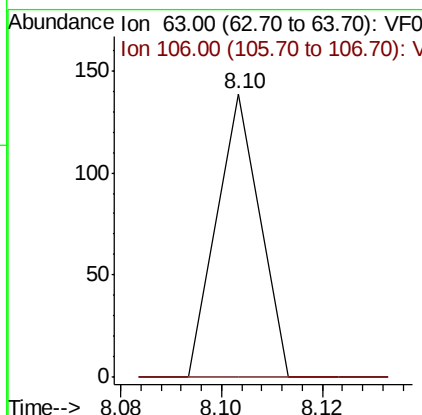
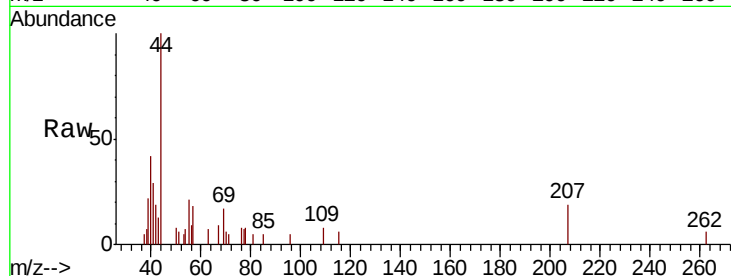




#58
 2-Chloroethyl Vinyl ether
 Concen: 3087.087 ug/l
 RT: 8.10 min Scan# 758
 Delta R.T. 0.47 min
 Lab File: VF060579.D
 Acq: 5 Nov 2018 18:46

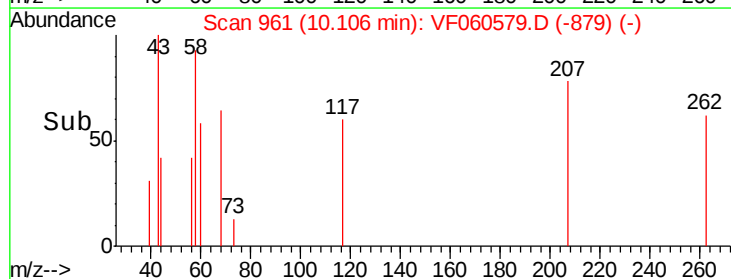
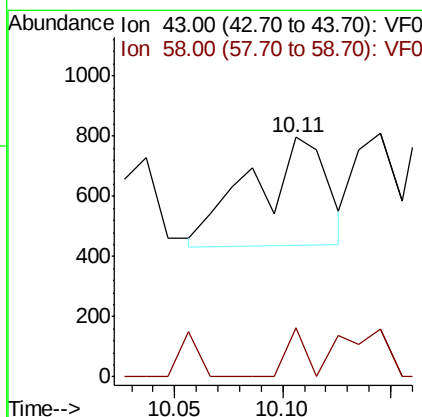
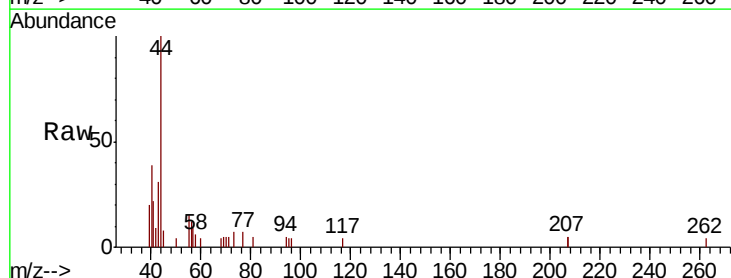
Instrument :
 MSVOA_F
 ClientSampleId :
 TP-3RE

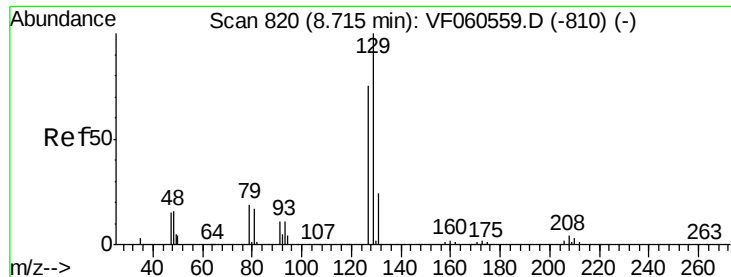
Tot Ion: 63 Resp: 82
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#59
 2-Hexanone
 Concen: 4668.401 ug/l
 RT: 10.11 min Scan# 961
 Delta R.T. 0.61 min
 Lab File: VF060579.D
 Acq: 5 Nov 2018 18:46

Tgt Ion: 43 Resp: 866
 Ion Ratio Lower Upper
 43 100
 58 20.5 26.1 78.3#





#60

Dibromochloromethane

Concen: 147.272 ug/l

RT: 9.41 min Scan# 890

Delta R.T. 0.69 min

Lab File: VF060579.D

Acq: 5 Nov 2018 18:46

Instrument :

MSVOA_F

ClientSampled :

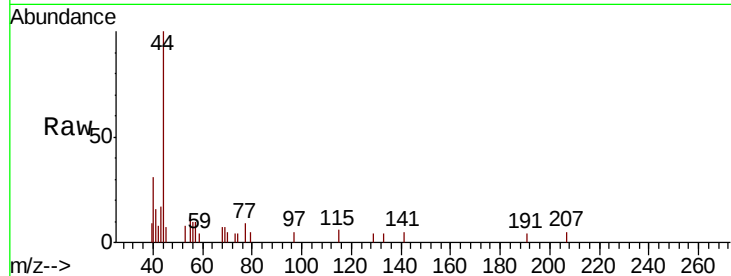
TP-3RE

Tot Ion:129 Resp: 72

Ion Ratio Lower Upper

129 100

127 0.0 37.8 113.3#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

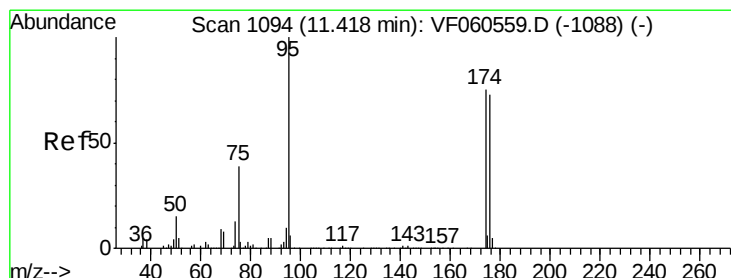
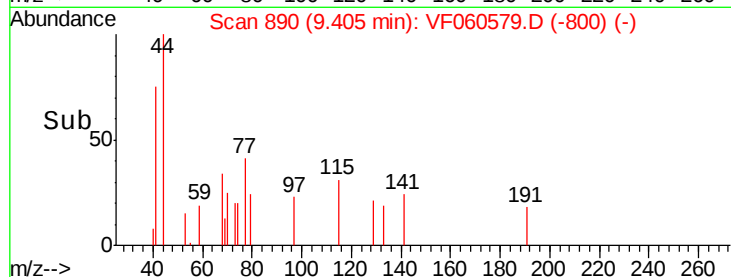
9.41

100

50

0

Time-->



#62

4-Bromofluorobenzene

Concen: 458.918 ug/l

RT: 12.12 min Scan# 1165

Delta R.T. 0.70 min

Lab File: VF060579.D

Acq: 5 Nov 2018 18:46

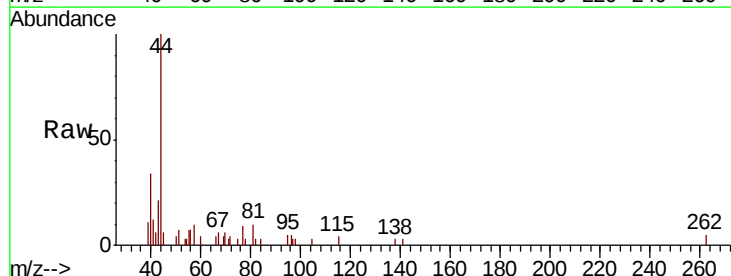
Tgt Ion: 95 Resp: 317

Ion Ratio Lower Upper

95 100

174 0.0 0.0 149.0

176 0.0 0.0 145.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

300

250

200

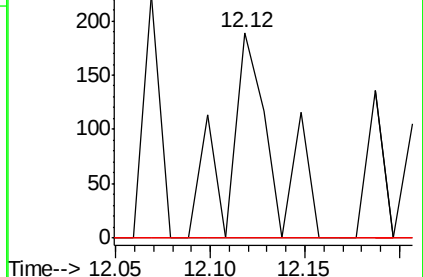
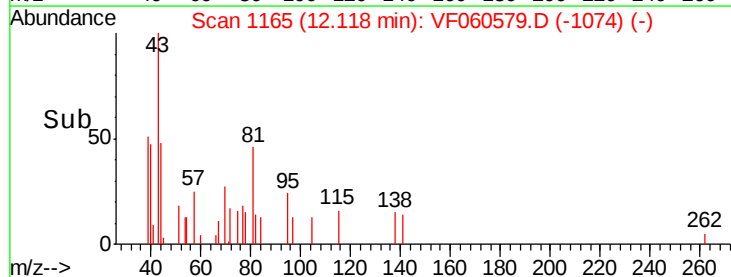
150

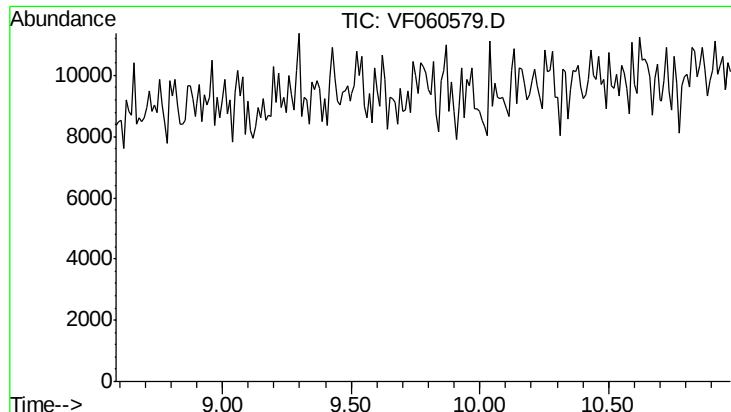
100

50

0

Time-->



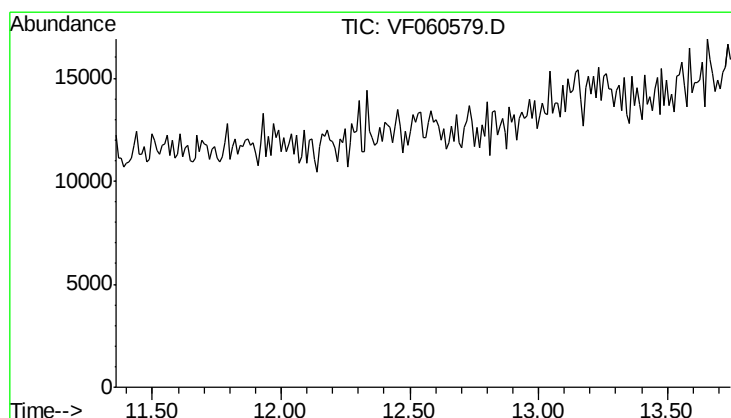
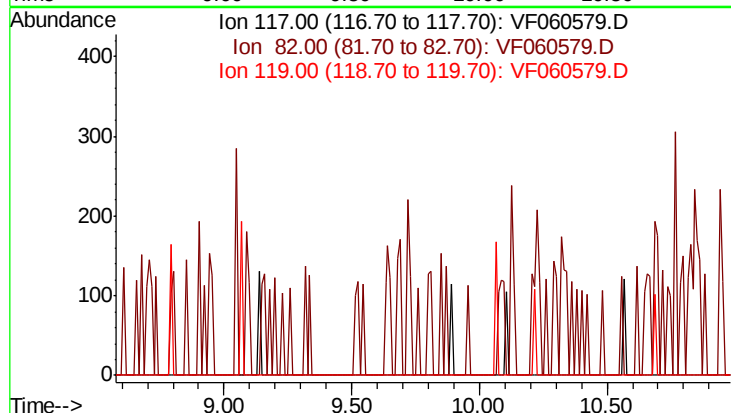


#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 9.78 min

Lab File: VF060579.D
 Acq: 5 Nov 2018 18:46

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-3RE

Tot Ion: 117
 Sig Exp Ratio
 117 100
 82 54.9
 119 34.2



#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 12.55 min

Lab File: VF060579.D
 Acq: 5 Nov 2018 18:46

Tgt Ion: 152
 Sig Exp Ratio
 152 100
 115 59.2
 150 157.8

