

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022219\
 Data File : VF061717.D
 Acq On : 22 Feb 2019 19:23
 Operator : VA/AP
 Sample : K1597-11RE
 Misc : 4.05µ/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-22RE

Quant Time: Feb 23 01:46:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	4020	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	5240	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	3065	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	1169	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	272	9.23	ug/l	-0.03
Spiked Amount						
			Recovery	=	18.46%	
35) Dibromofluoromethane	4.09	113	814	20.92	ug/l	-0.03
Spiked Amount						
			Recovery	=	41.84%	
50) Toluene-d8	7.54	98	3806	34.02	ug/l	-0.02
Spiked Amount						
			Recovery	=	68.04%	
62) 4-Bromofluorobenzene	11.40	95	928	20.50	ug/l	-0.01
Spiked Amount						
			Recovery	=	41.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.06	50	60	1.239	ug/l #	42
4) Vinyl Chloride	1.22	62	107	2.376	ug/l #	40
5) Bromomethane	1.29	94	270	8.712	ug/l #	3
6) Chloroethane	1.33	64	61	2.749	ug/l #	40
8) Diethyl Ether	1.63	74	60	4.384	ug/l	96
11) Tert butyl alcohol	2.49	59	75	43.961	ug/l #	63
12) 1,1-Dichloroethene	1.78	96	69	2.003	ug/l #	1
13) Acrolein	1.99	56	315	146.906	ug/l	94
14) Allyl chloride	2.11	41	897	21.220	ug/l #	73
15) Acrylonitrile	2.92	53	161	26.605	ug/l #	21
16) Acetone	2.26	43	1136	179.607	ug/l #	83
17) Carbon Disulfide	1.84	76	156	1.441	ug/l #	1
18) Methyl Acetate	2.35	43	268	18.809	ug/l #	59
19) Methyl tert-butyl Ether	2.43	73	79	1.342	ug/l #	1
20) Methylene Chloride	2.16	84	193	3.342	ug/l #	5
21) trans-1,2-Dichloroethene	2.30	96	88	2.350	ug/l #	1
22) Diisopropyl ether	2.77	45	643	6.337	ug/l #	1
23) Vinyl Acetate	3.15	43	164	3.309	ug/l #	74
24) 1,1-Dichloroethane	2.87	63	66	1.075	ug/l #	1
25) 2-Butanone	4.31	43	92	6.659	ug/l #	55
26) 2,2-Dichloropropane	3.55	77	60	2.307	ug/l #	52
27) cis-1,2-Dichloroethene	3.43	96	62	1.261	ug/l	1
29) Tetrahydrofuran	4.07	42	80	12.740	ug/l #	33
31) Cyclohexane	3.57	56	82	1.234	ug/l #	16
36) 1,1-Dichloropropene	4.22	75	63	1.214	ug/l #	37
37) Ethyl Acetate	4.11	43	70	2.903	ug/l #	30
38) Carbon Tetrachloride	3.90	117	67	1.869	ug/l #	13
41) Methacrylonitrile	4.74	41	185	15.004	ug/l #	50
43) Isopropyl Acetate	6.94	43	71	2.488	ug/l #	43
45) 1,2-Dichloropropane	6.26	63	62	1.889	ug/l #	44
47) Bromodichloromethane	6.27	83	60	1.356	ug/l #	24
48) Methyl methacrylate	6.69	41	140	8.152	ug/l #	17
51) 4-Methyl-2-Pentanone	8.24	43	65	3.188	ug/l #	34
56) Ethyl methacrylate	8.66	69	71	2.636	ug/l #	26

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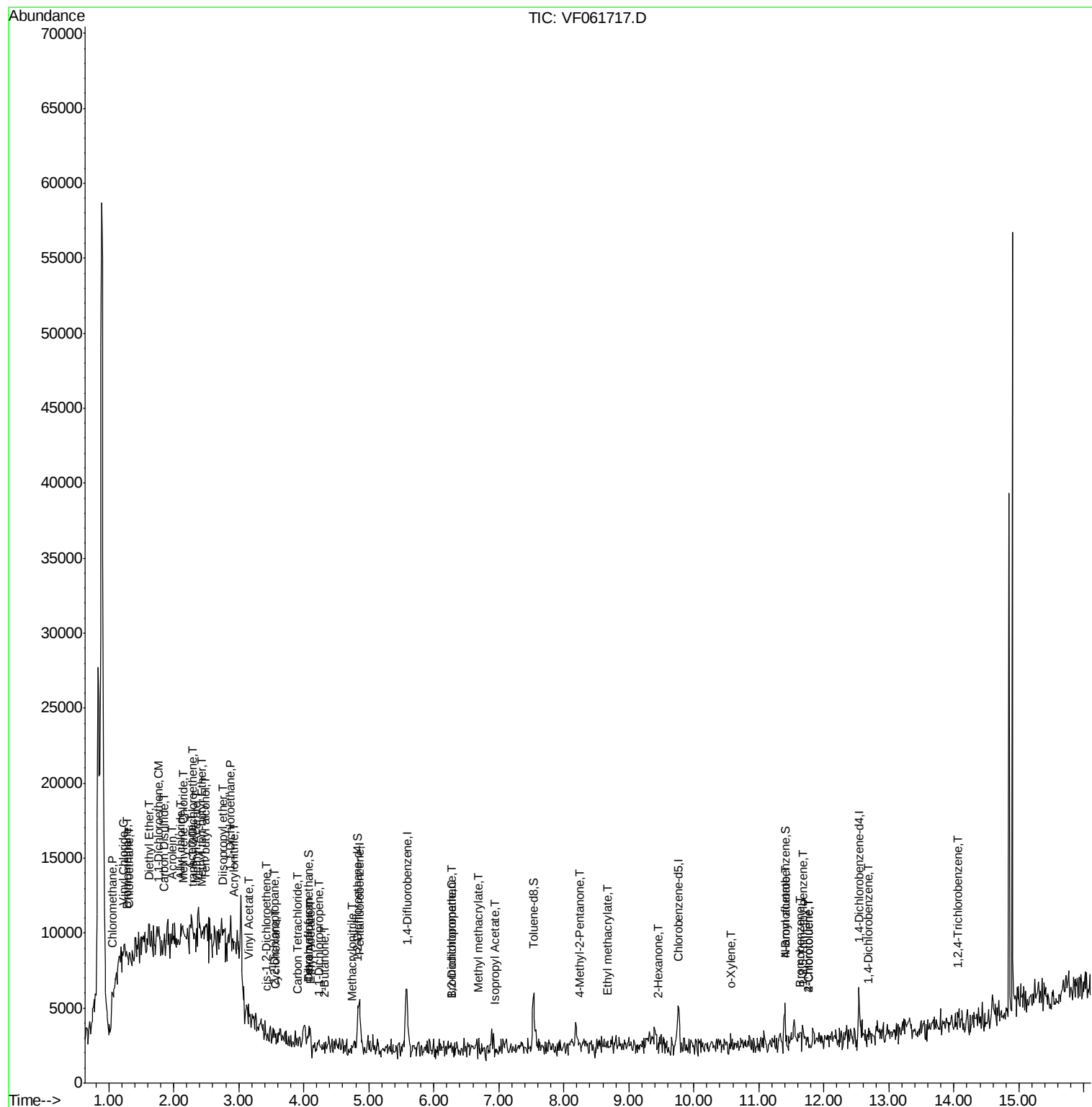
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 2-Hexanone	9.45	43	63	4.407	ug/l #	23
69) o-Xylene	10.57	106	79	1.870	ug/l #	1
74) N-amyl acetate	11.40	43	256	12.814	ug/l #	44
77) Bromobenzene	11.63	156	63	3.064	ug/l #	1
79) 2-Chlorotoluene	11.76	91	65	1.215	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.69	105	67	1.007	ug/l #	23
82) 4-Chlorotoluene	11.76	91	65	1.171	ug/l #	37
88) 1,4-Dichlorobenzene	12.68	146	62	1.608	ug/l #	25
93) 1,2,4-Trichlorobenzene	14.06	180	70	2.561	ug/l #	11

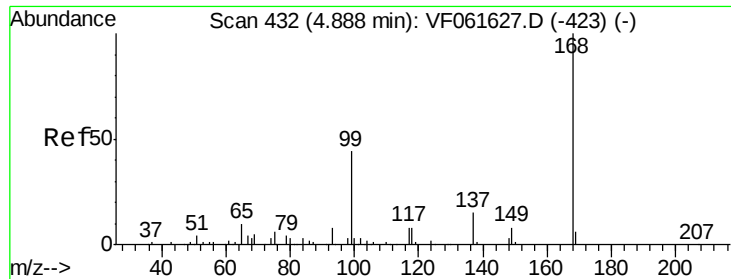
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF022219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.04 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

Instrument :

MSVOA_F

ClientSampleId :

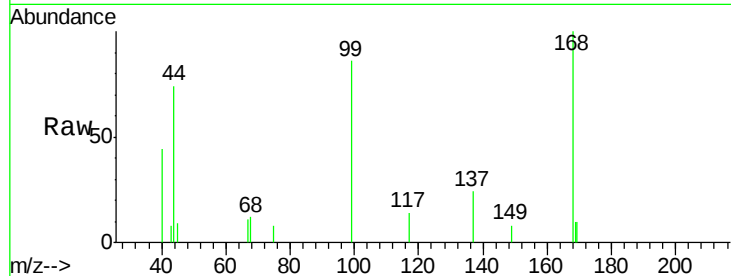
TP-22RE

Tot Ion:168 Resp: 4020

Ion Ratio Lower Upper

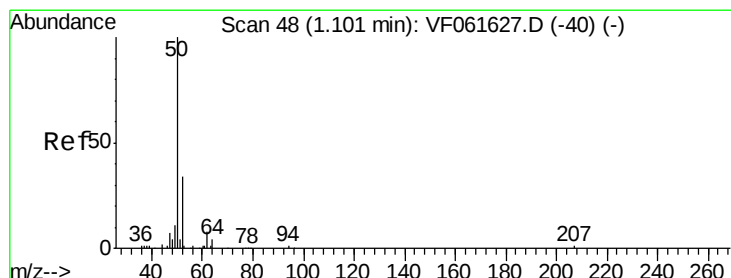
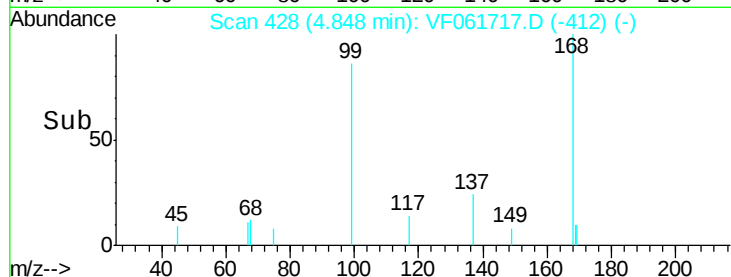
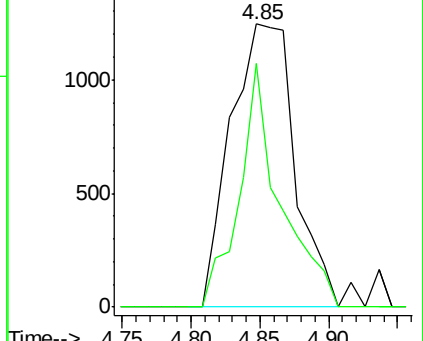
168 100

99 86.1 34.9 52.3#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#3

Chloromethane

Concen: 1.239 ug/l

RT: 1.06 min Scan# 44

Delta R.T. -0.04 min

Lab File: VF061717.D

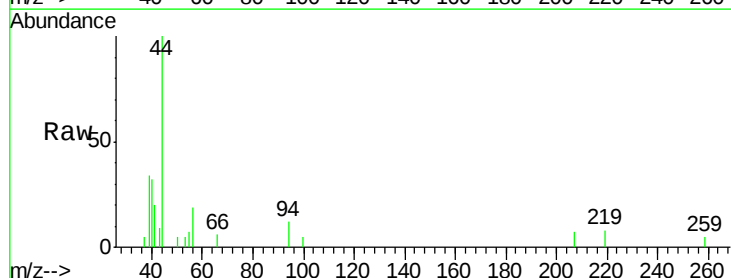
Acq: 22 Feb 2019 19:23

Tgt Ion: 50 Resp: 60

Ion Ratio Lower Upper

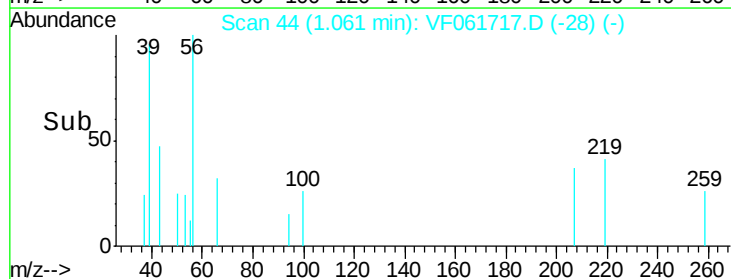
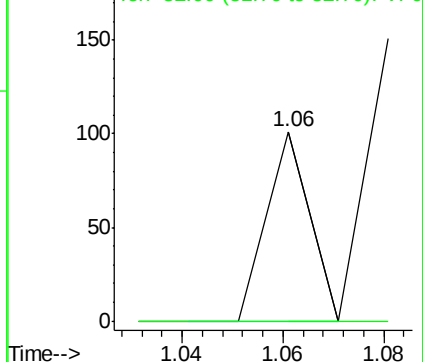
50 100

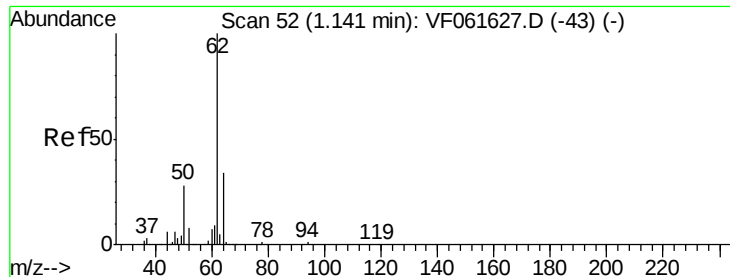
52 0.0 26.2 39.4#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#4

Vinyl Chloride

Concen: 2.376 ug/l

RT: 1.22 min Scan# 60

Delta R.T. 0.08 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

Instrument :

MSVOA_F

ClientSampled :

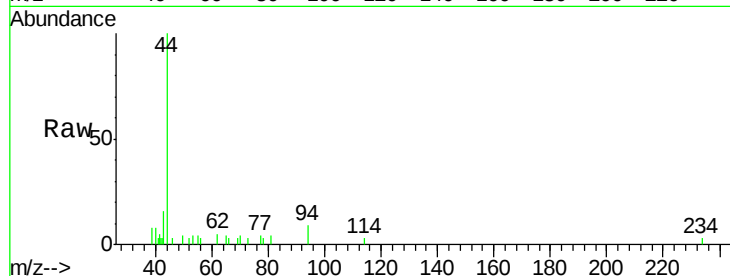
TP-22RE

Tot Ion: 62 Resp: 107

Ion Ratio Lower Upper

62 100

64 0.0 27.5 41.3#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.22

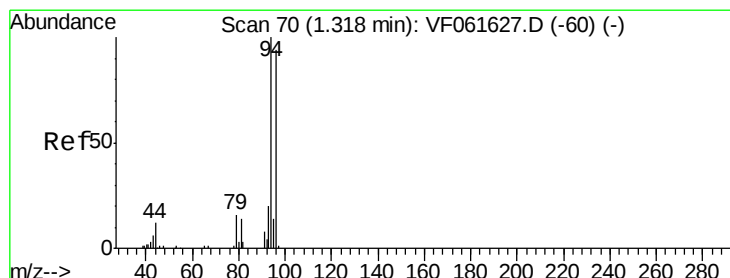
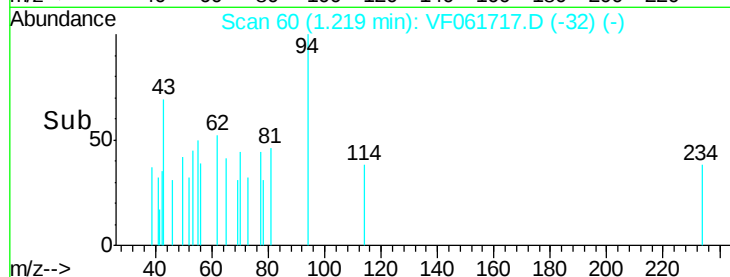
150

100

50

0

Time--> 1.18 1.20 1.22 1.24



#5

Bromomethane

Concen: 8.712 ug/l

RT: 1.29 min Scan# 67

Delta R.T. -0.03 min

Lab File: VF061717.D

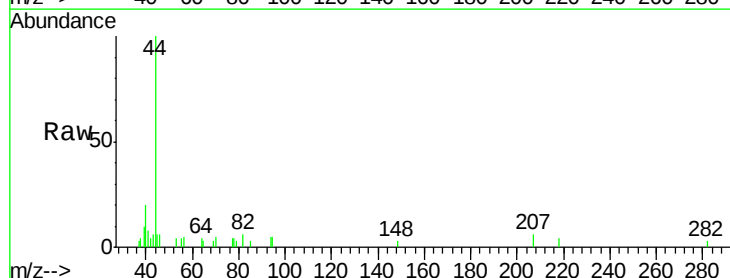
Acq: 22 Feb 2019 19:23

Tgt Ion: 94 Resp: 270

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.29

400

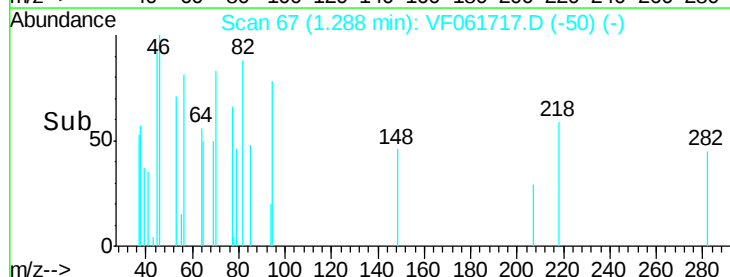
300

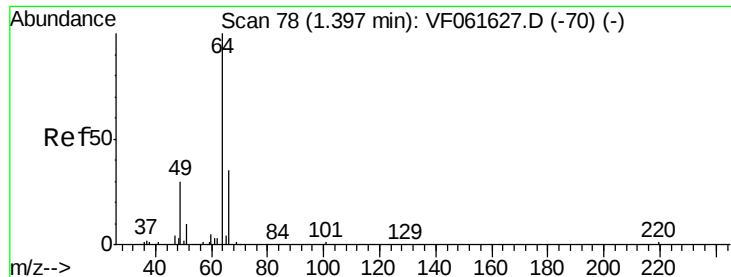
200

100

0

Time--> 1.28 1.30





#6

Chloroethane

Concen: 2.749 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.07 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

Instrument :

MSVOA_F

ClientSampleId :

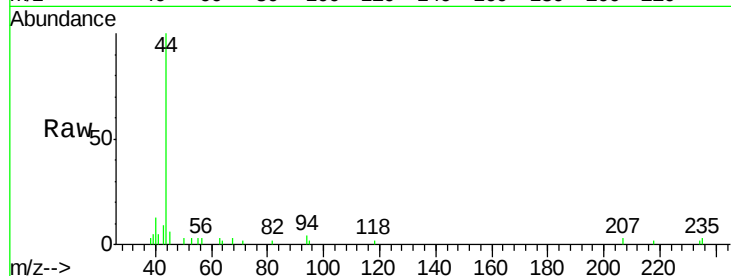
TP-22RE

Tot Ion: 64 Resp: 61

Ion Ratio Lower Upper

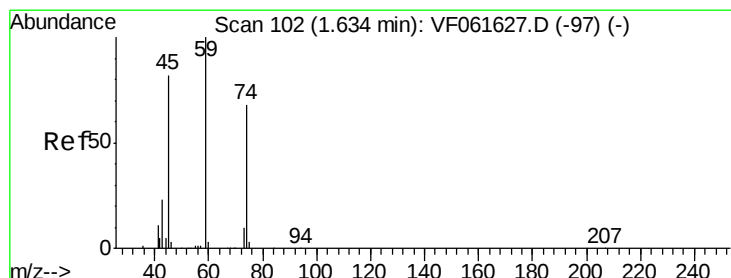
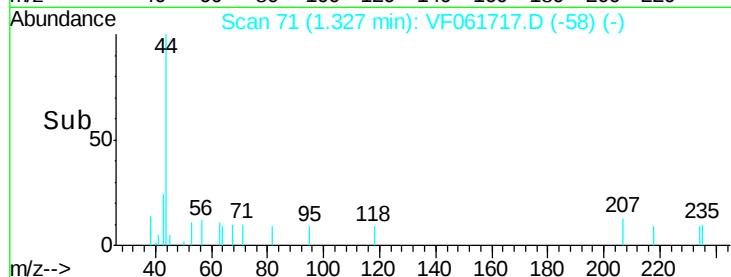
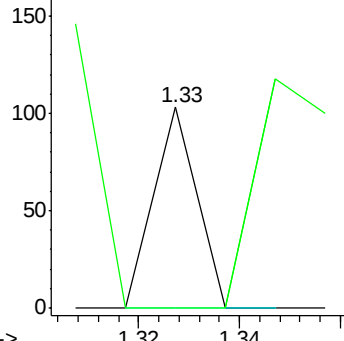
64 100

66 0.0 27.9 41.9#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



#8

Diethyl Ether

Concen: 4.384 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.00 min

Lab File: VF061717.D

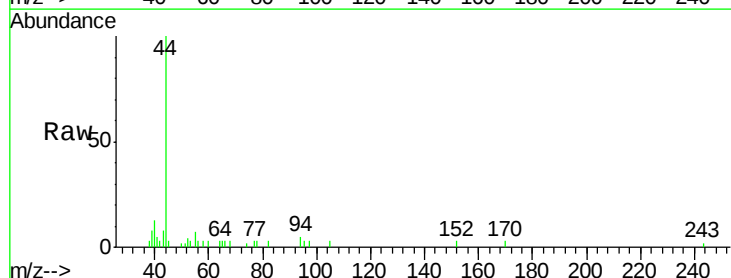
Acq: 22 Feb 2019 19:23

Tgt Ion: 74 Resp: 60

Ion Ratio Lower Upper

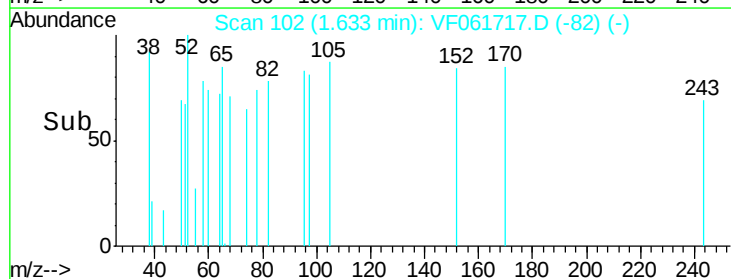
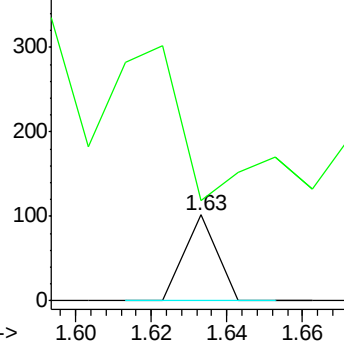
74 100

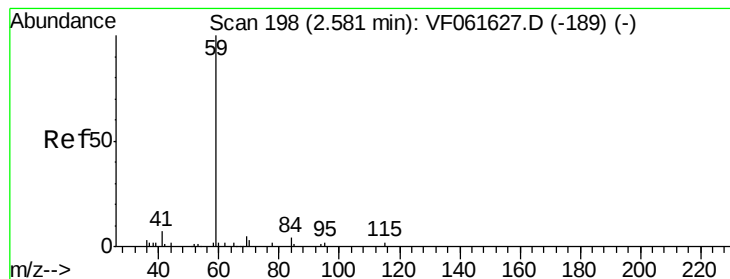
45 116.7 60.8 182.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



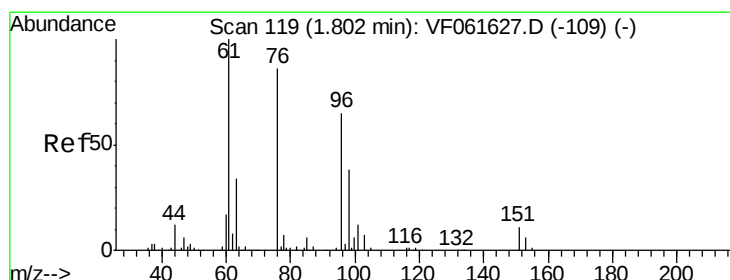
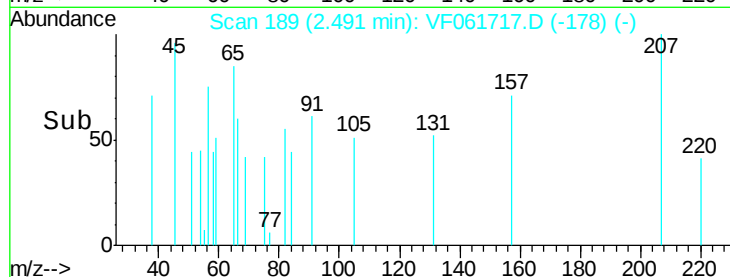
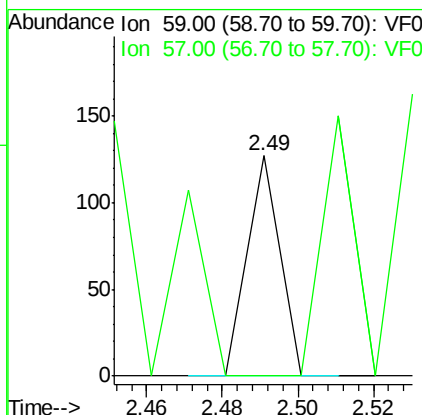
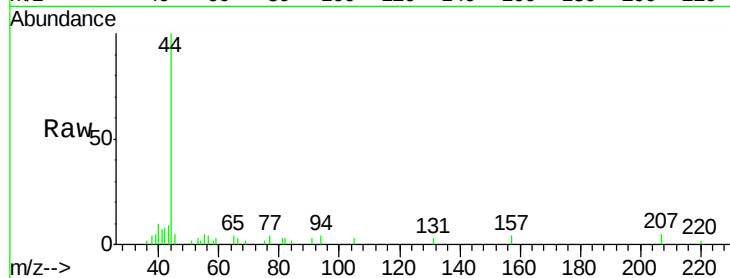


#11

Tert butyl alcohol
Concen: 43.961 ug/l
RT: 2.49 min Scan# 189
Delta R.T. -0.09 min
Lab File: VF061717.D
Acq: 22 Feb 2019 19:23

Instrument :
MSVOA_F
ClientSampled :
TP-22RE

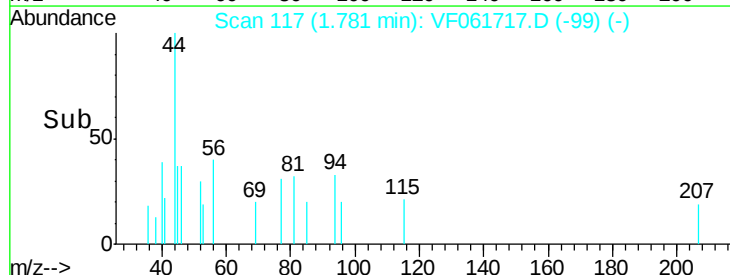
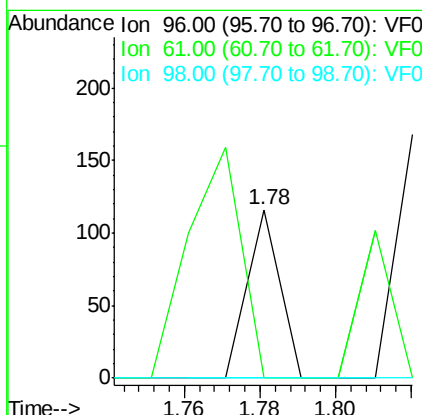
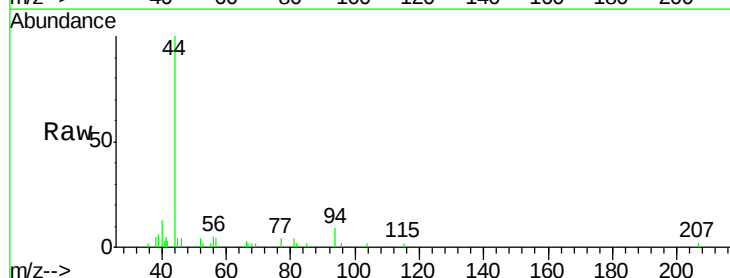
Tot Ion: 59 Resp: 75
Ion Ratio Lower Upper
59 100
57 0.0 12.5 18.7#

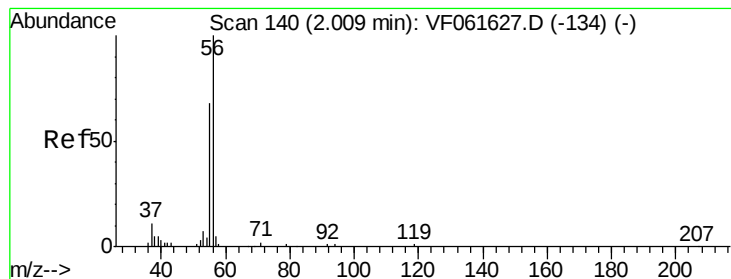


#12

1,1-Dichloroethene
Concen: 2.003 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.02 min
Lab File: VF061717.D
Acq: 22 Feb 2019 19:23

Tgt Ion: 96 Resp: 69
Ion Ratio Lower Upper
96 100
61 0.0 122.6 184.0#
98 0.0 47.2 70.8#





#13

Acrolein

Concen: 146.906 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

Instrument :

MSVOA_F

ClientSampleId :

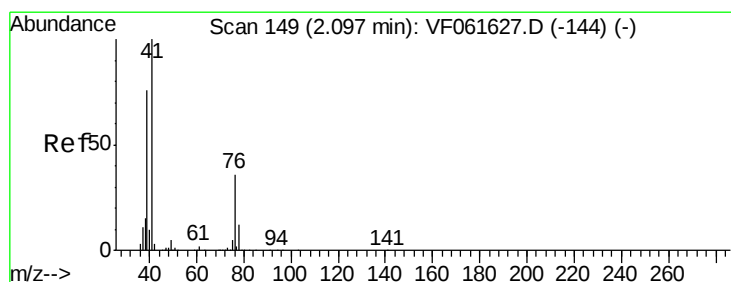
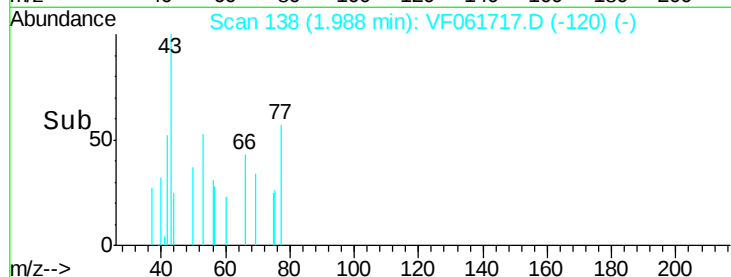
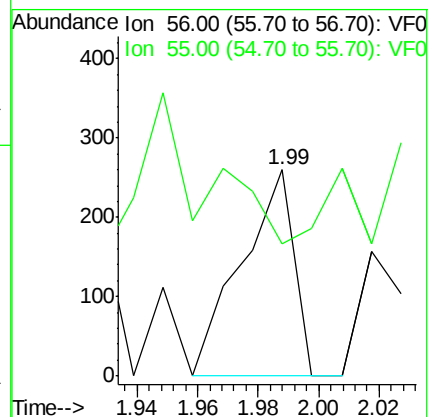
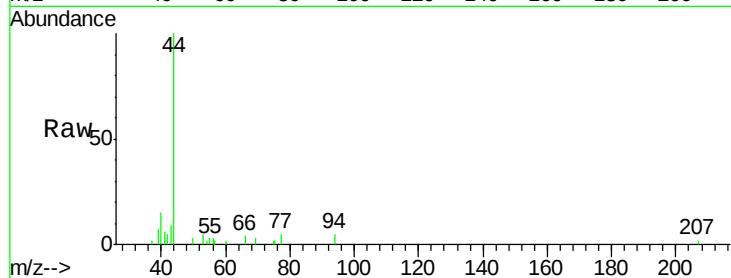
TP-22RE

Tot Ion: 56 Resp: 315

Ion Ratio Lower Upper

56 100

55 64.2 55.0 82.6



#14

Allyl chloride

Concen: 21.220 ug/l

RT: 2.11 min Scan# 150

Delta R.T. 0.01 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

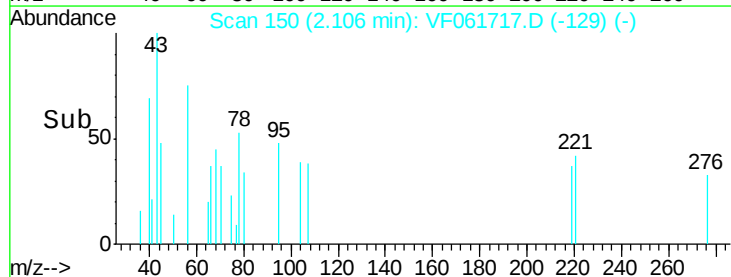
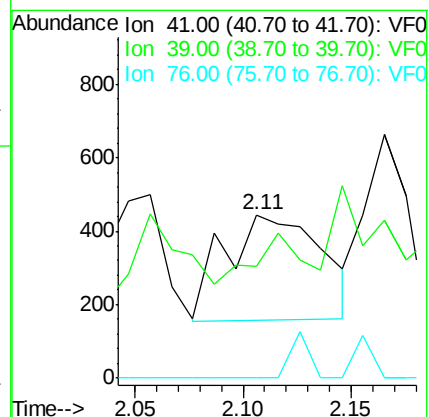
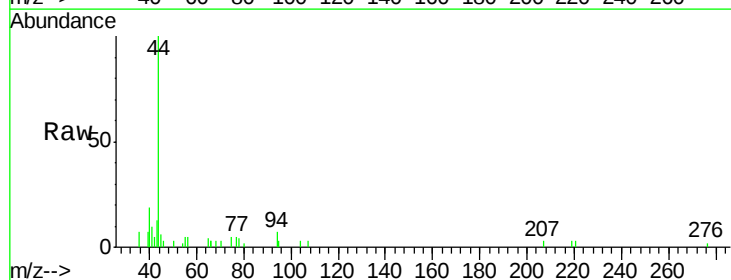
Tgt Ion: 41 Resp: 897

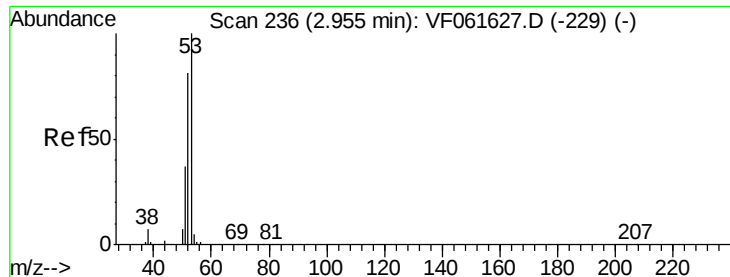
Ion Ratio Lower Upper

41 100

39 68.3 61.6 92.4

76 0.0 30.3 45.5#





#15

Acrylonitrile

Concen: 26.605 ug/l

RT: 2.92 min Scan# 233

Delta R.T. -0.03 min

Lab File: VF061717.D

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TP-22RE

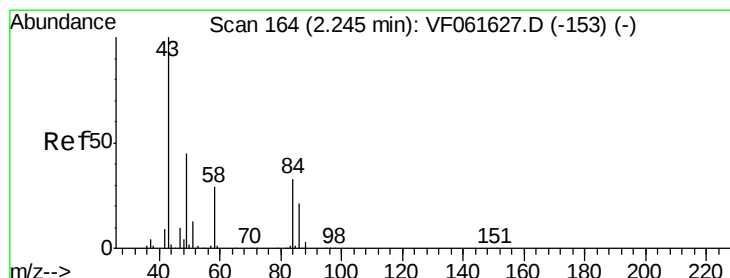
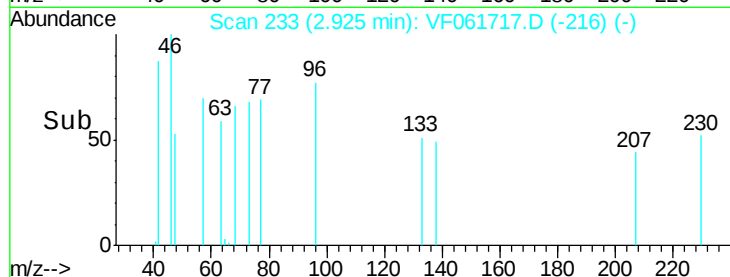
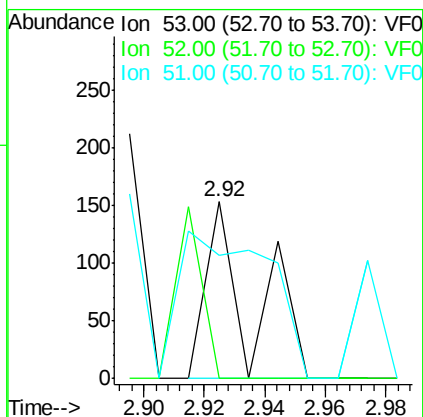
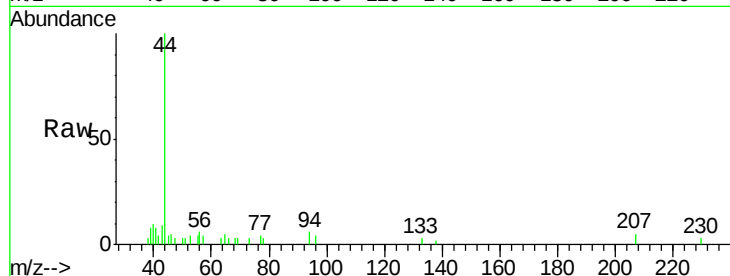
Tot Ion: 53 Resp: 161

Ion Ratio Lower Upper

53 100

52 0.0 64.6 97.0#

51 69.3 29.8 44.8#



#16

Acetone

Concen: 179.607 ug/l

RT: 2.26 min Scan# 166

Delta R.T. 0.02 min

Lab File: VF061717.D

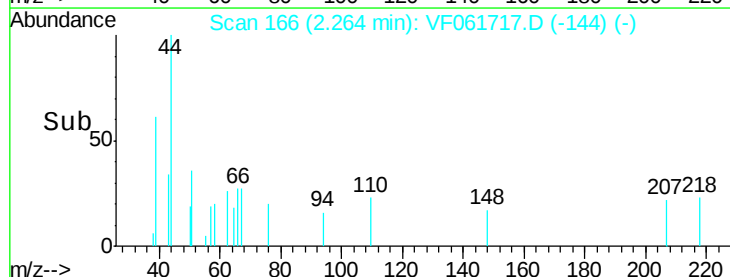
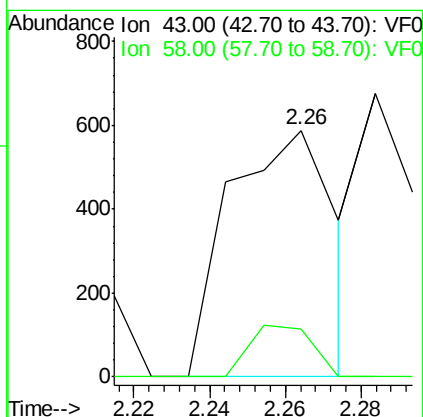
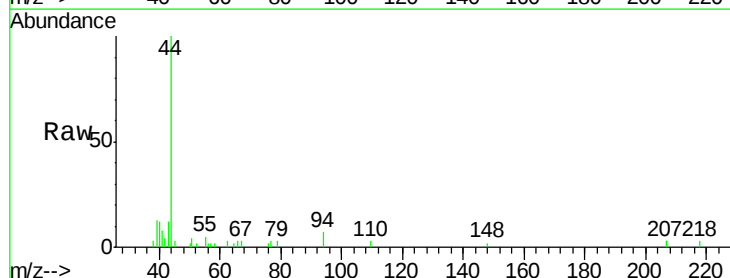
Acq: 22 Feb 2019 19:23

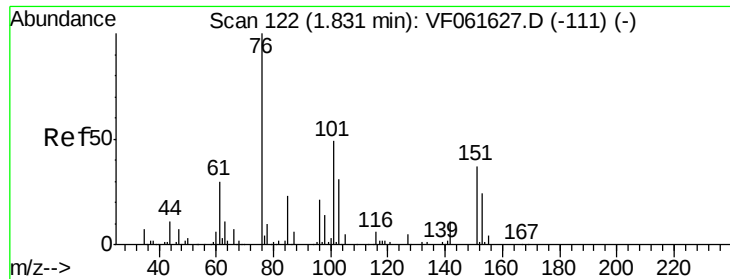
Tgt Ion: 43 Resp: 1136

Ion Ratio Lower Upper

43 100

58 19.4 22.9 34.3#





#17

Carbon Disulfide

Concen: 1.441 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

Instrument :

MSVOA_F

ClientSampleId :

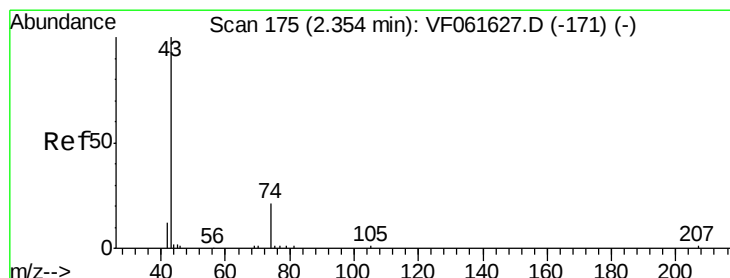
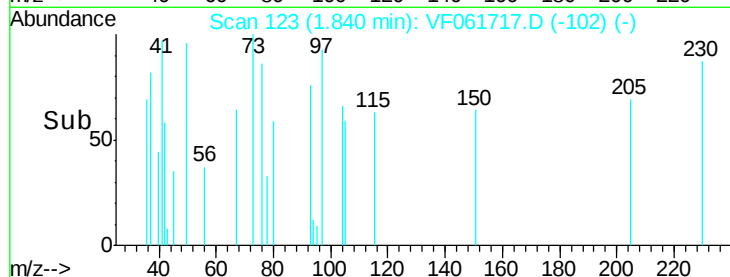
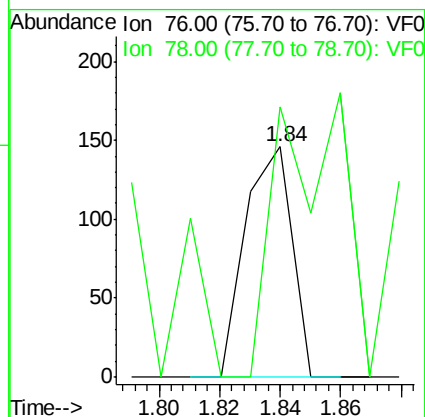
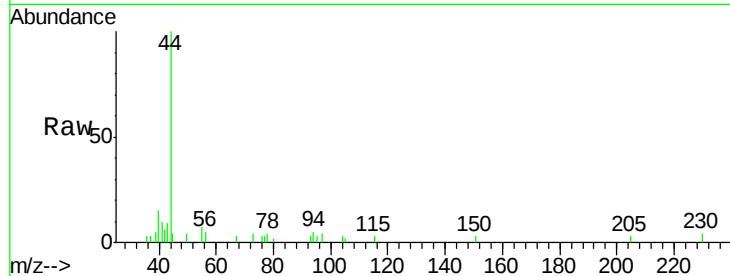
TP-22RE

Tot Ion: 76 Resp: 156

Ion Ratio Lower Upper

76 100

78 117.1 7.9 11.9#



#18

Methyl Acetate

Concen: 18.809 ug/l

RT: 2.35 min Scan# 175

Delta R.T. -0.00 min

Lab File: VF061717.D

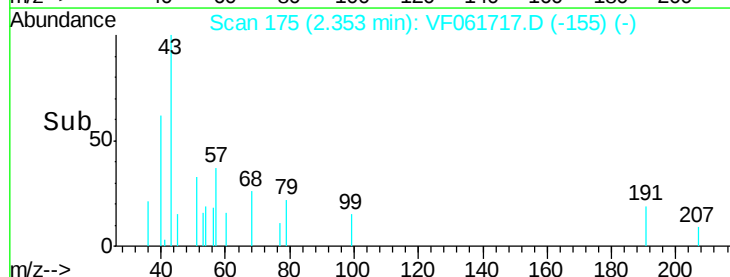
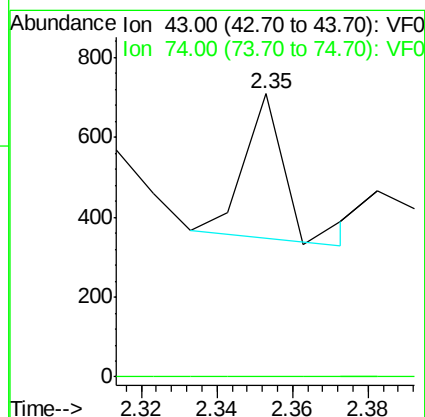
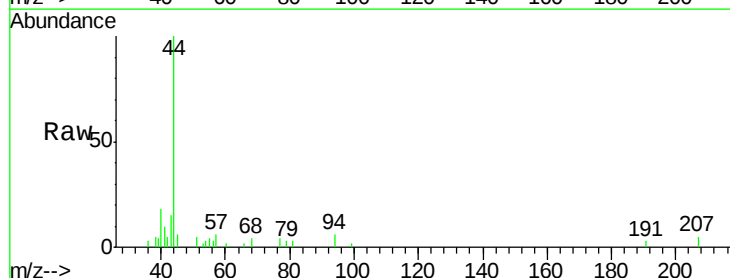
Acq: 22 Feb 2019 19:23

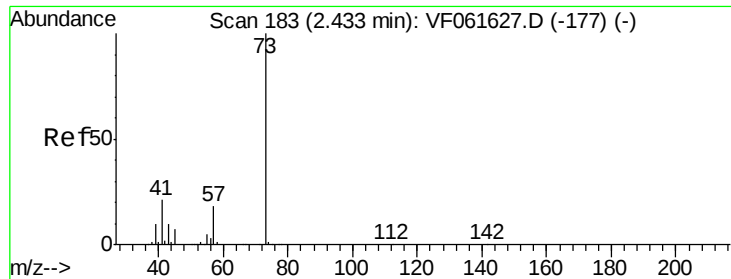
Tgt Ion: 43 Resp: 268

Ion Ratio Lower Upper

43 100

74 0.0 14.6 21.8#



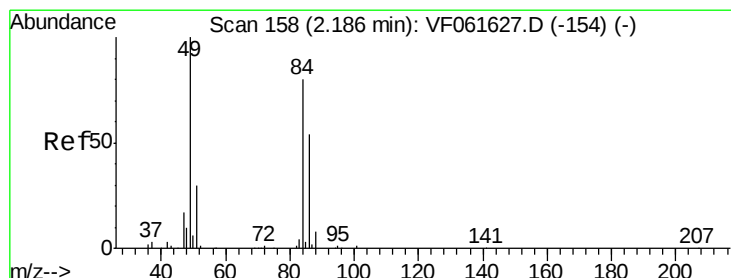
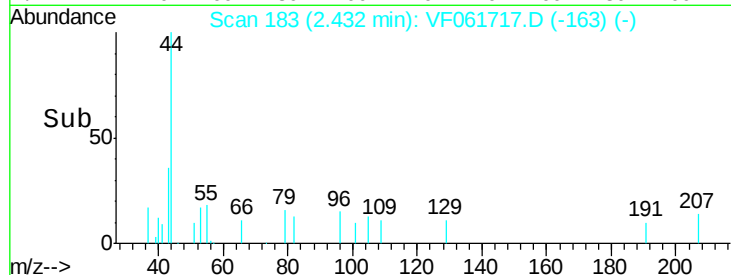
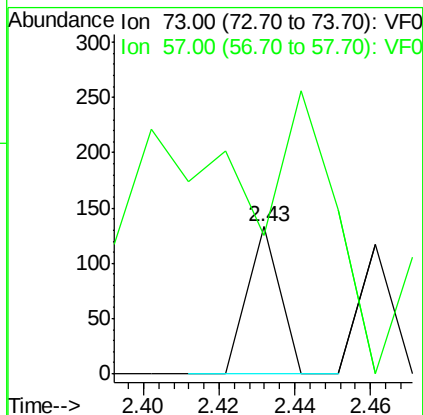
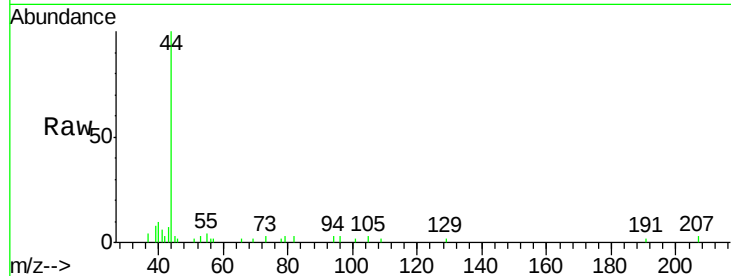


#19

Methyl tert-butyl Ether
 Concen: 1.342 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VF061717.D
 Acq: 22 Feb 2019 19:23

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-22RE

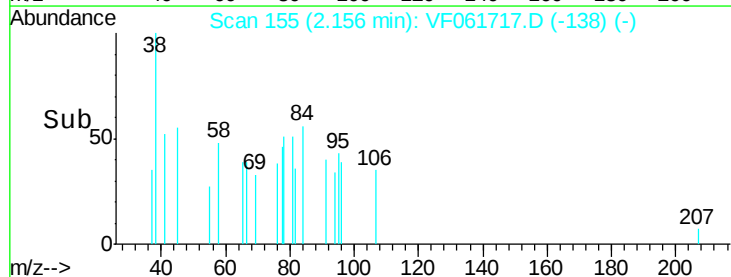
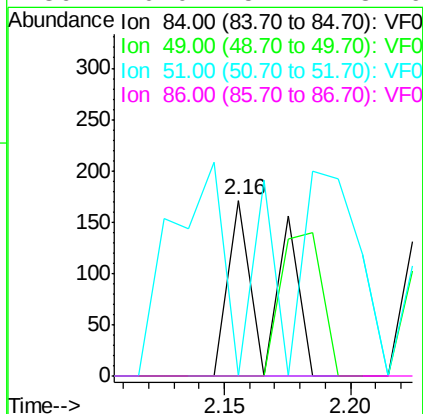
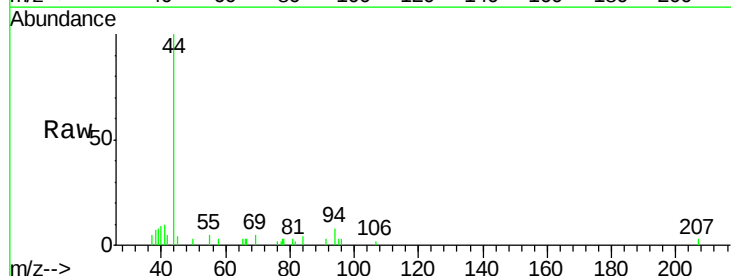
Tot Ion: 73 Resp: 79
 Ion Ratio Lower Upper
 73 100
 57 94.0 15.8 23.8#

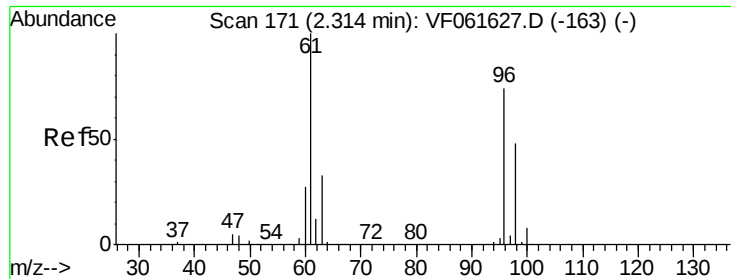


#20

Methylene Chloride
 Concen: 3.342 ug/l
 RT: 2.16 min Scan# 155
 Delta R.T. -0.03 min
 Lab File: VF061717.D
 Acq: 22 Feb 2019 19:23

Tgt Ion: 84 Resp: 193
 Ion Ratio Lower Upper
 84 100
 49 0.0 101.8 152.8#
 51 0.0 31.1 46.7#
 86 0.0 54.4 81.6#





#21

trans-1,2-Dichloroethene

Concen: 2.350 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

Instrument :

MSVOA_F

ClientSampleId :

TP-22RE

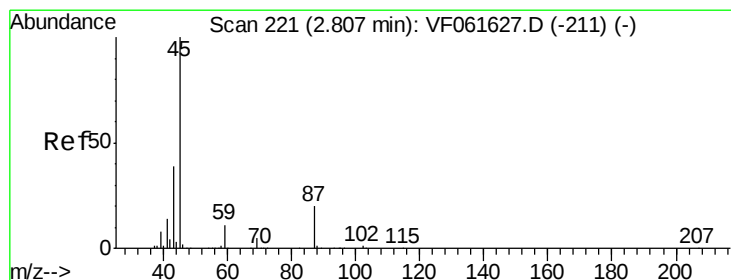
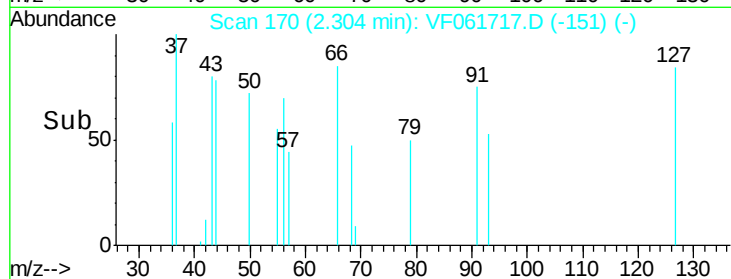
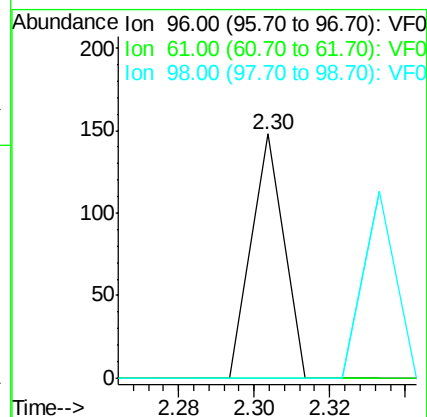
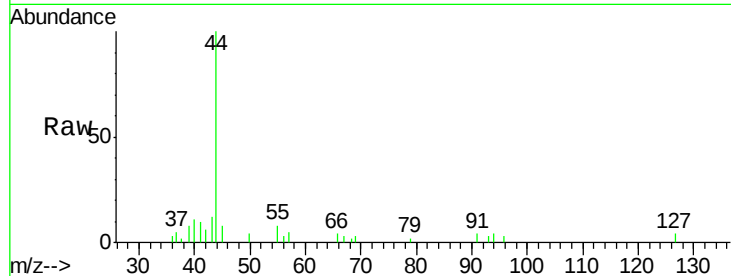
Tot Ion: 96 Resp: 88

Ion Ratio Lower Upper

96 100

61 0.0 108.2 162.4#

98 0.0 52.2 78.2#



#22

Diisopropyl ether

Concen: 6.337 ug/l

RT: 2.77 min Scan# 217

Delta R.T. -0.04 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

Tgt Ion: 45 Resp: 643

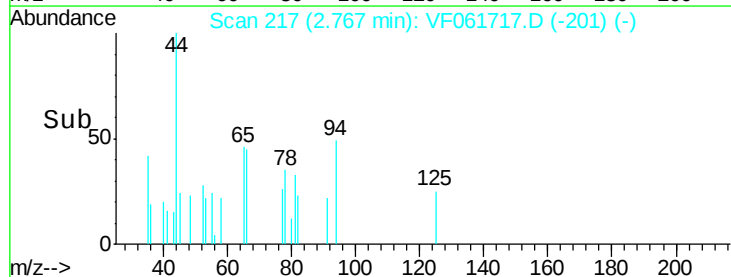
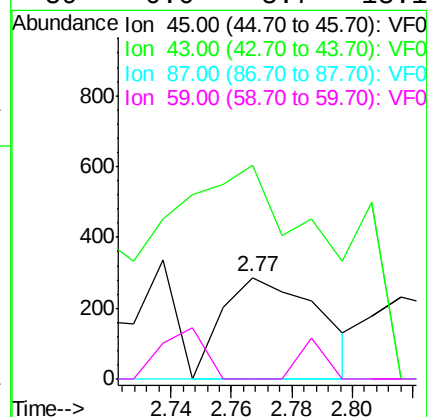
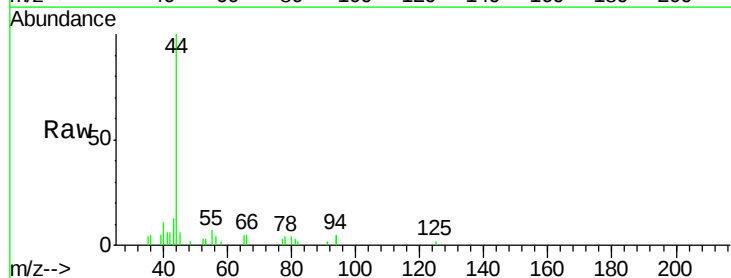
Ion Ratio Lower Upper

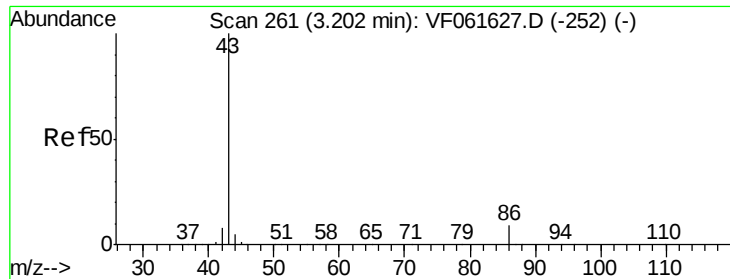
45 100

43 210.1 31.4 47.2#

87 0.0 16.3 24.5#

59 0.0 8.7 13.1#





#23

Vinyl Acetate

Concen: 3.309 ug/l

RT: 3.15 min Scan# 256

Delta R.T. -0.05 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

Instrument :

MSVOA_F

ClientSampleId :

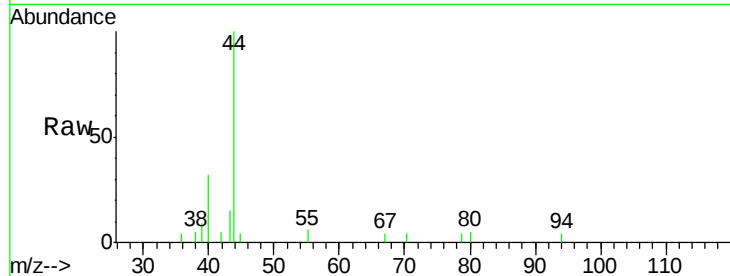
TP-22RE

Tot Ion: 43 Resp: 164

Ion Ratio Lower Upper

43 100

86 0.0 7.5 11.3#

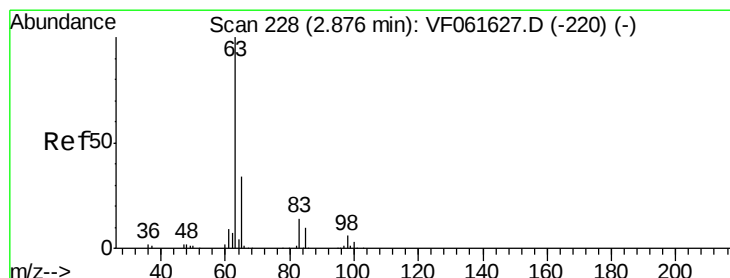
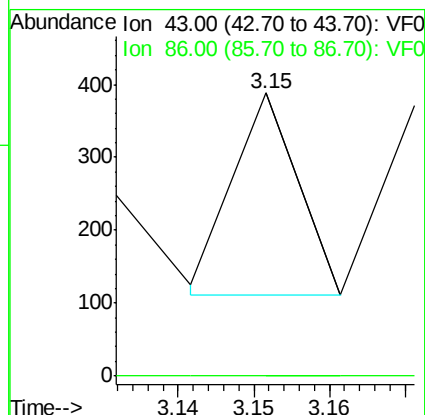
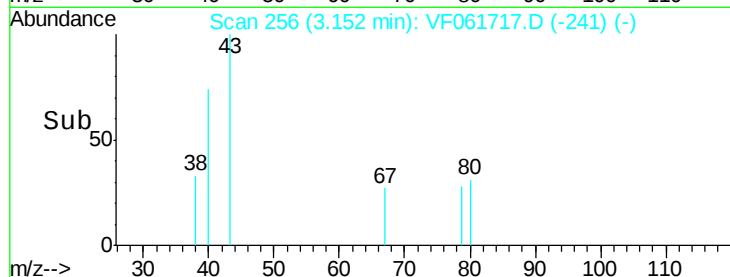


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.15

3.16



#24

1,1-Dichloroethane

Concen: 1.075 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.01 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

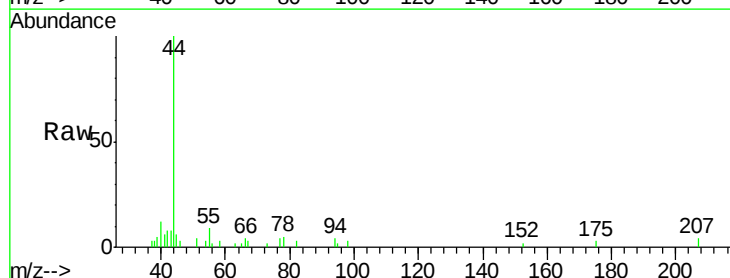
Tgt Ion: 63 Resp: 66

Ion Ratio Lower Upper

63 100

98 111.6 2.8 8.3#

100 0.0 1.8 5.4#



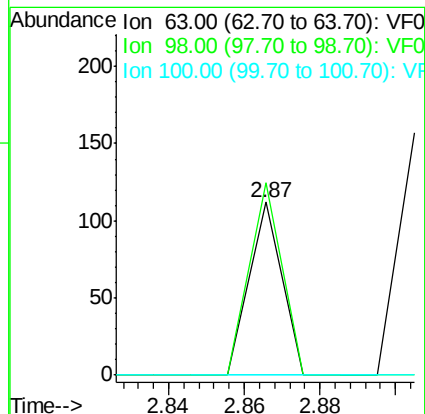
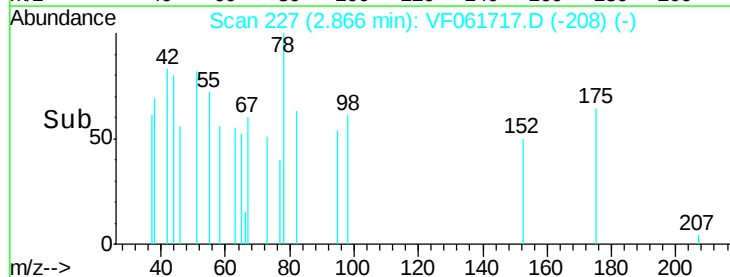
Abundance Ion 63.00 (62.70 to 63.70): VF0

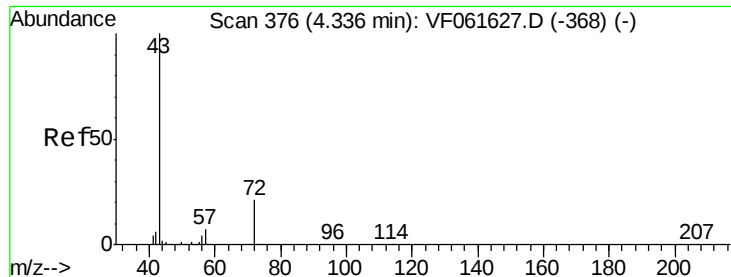
Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.87

2.88





#25

2-Butanone

Concen: 6.659 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.03 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

Instrument :

MSVOA_F

ClientSampleId :

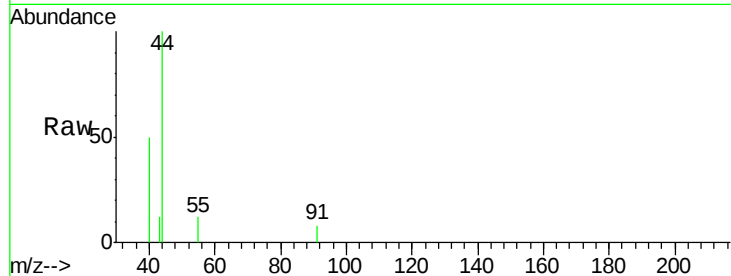
TP-22RE

Tot Ion: 43 Resp: 92

Ion Ratio Lower Upper

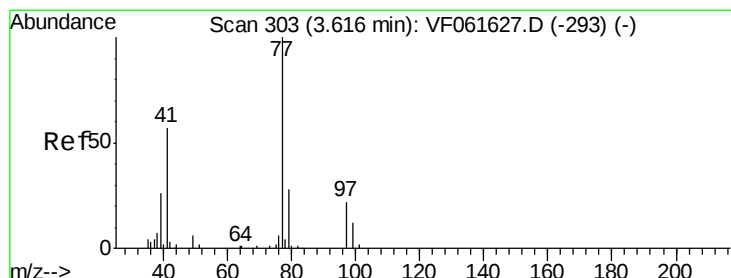
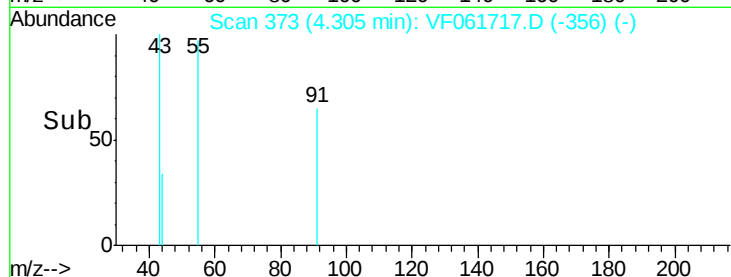
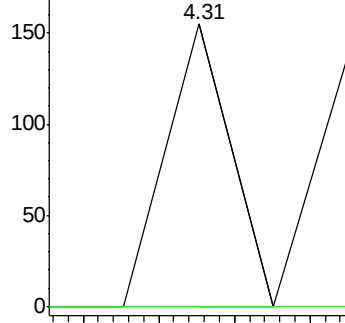
43 100

72 0.0 17.1 25.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 2.307 ug/l

RT: 3.55 min Scan# 296

Delta R.T. -0.07 min

Lab File: VF061717.D

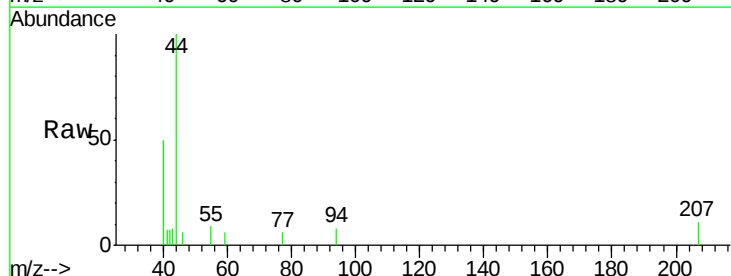
Acq: 22 Feb 2019 19:23

Tgt Ion: 77 Resp: 60

Ion Ratio Lower Upper

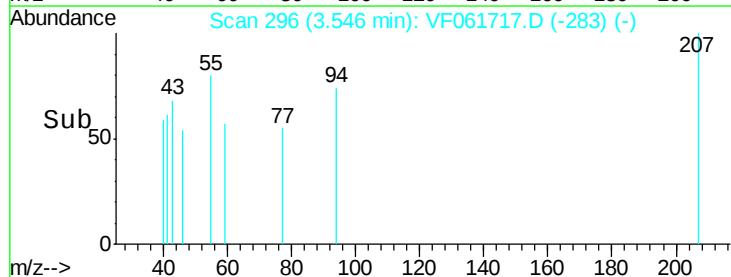
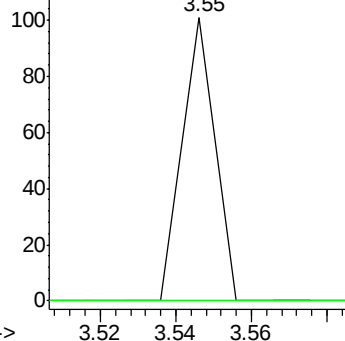
77 100

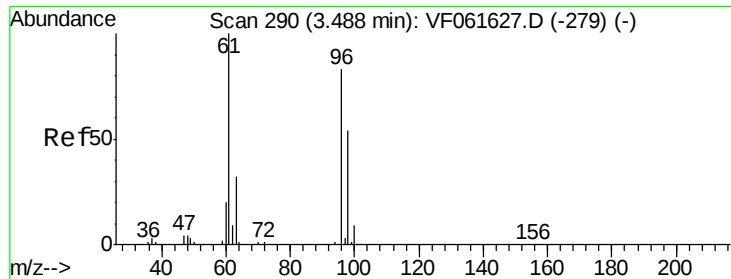
97 0.0 11.7 35.0#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



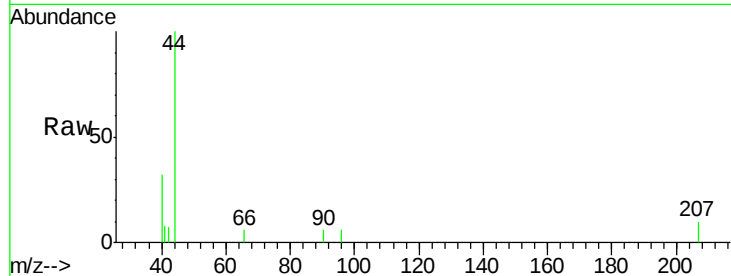


#27

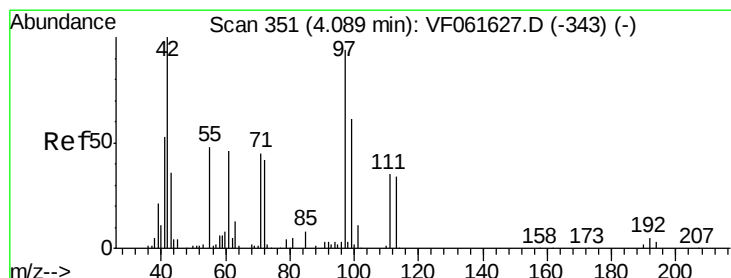
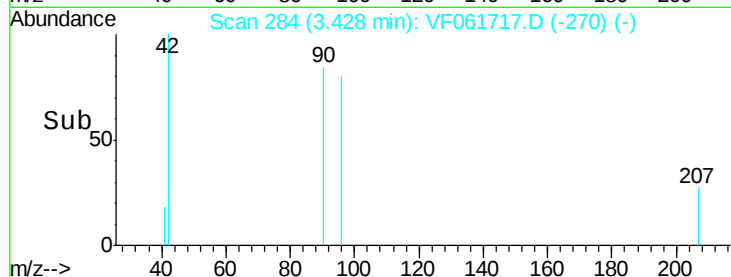
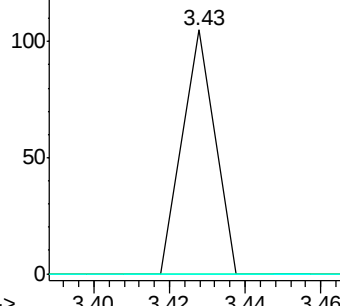
cis-1,2-Dichloroethene
Concen: 1.261 ug/l
RT: 3.43 min Scan# 284
Delta R.T. -0.06 min
Lab File: VF061717.D
Acq: 22 Feb 2019 19:23

Instrument :
MSVOA_F
ClientSampled :
TP-22RE

Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	241.6
98	0.0	0.0	130.2



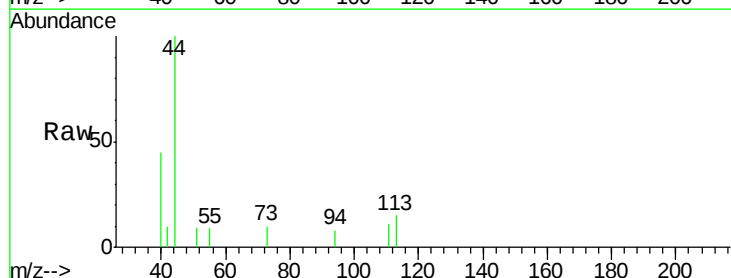
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



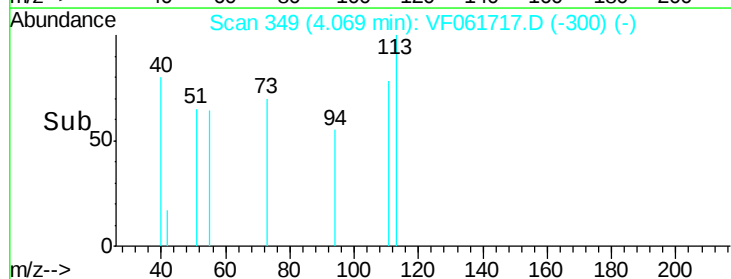
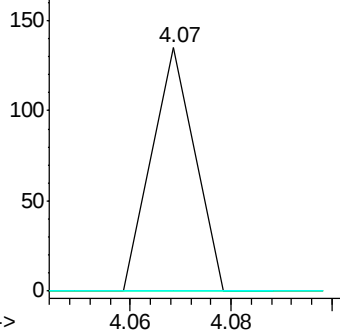
#29

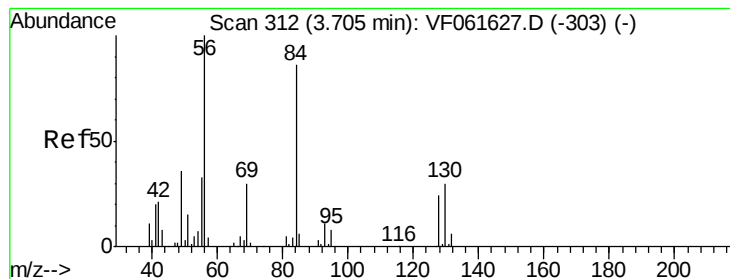
Tetrahydrofuran
Concen: 12.740 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.02 min
Lab File: VF061717.D
Acq: 22 Feb 2019 19:23

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.2	52.8#
71	0.0	32.9	49.3#



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0





#31

Cvclohexane

Concen: 1.234 ug/l

RT: 3.57 min Scan# 298

Delta R.T. -0.14 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

Instrument :

MSVOA_F

ClientSampleId :

TP-22RE

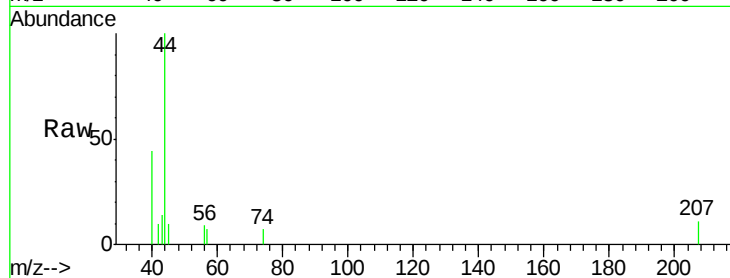
Tot Ion: 56 Resp: 82

Ion Ratio Lower Upper

56 100

69 0.0 23.8 35.8#

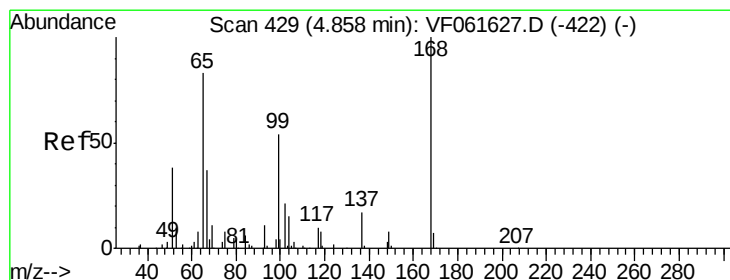
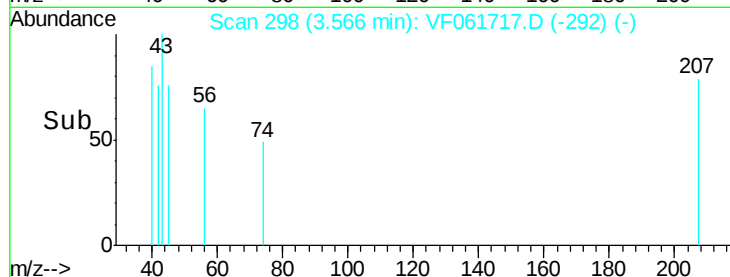
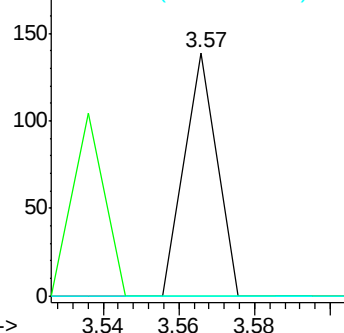
84 0.0 68.6 103.0#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 9.227 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.03 min

Lab File: VF061717.D

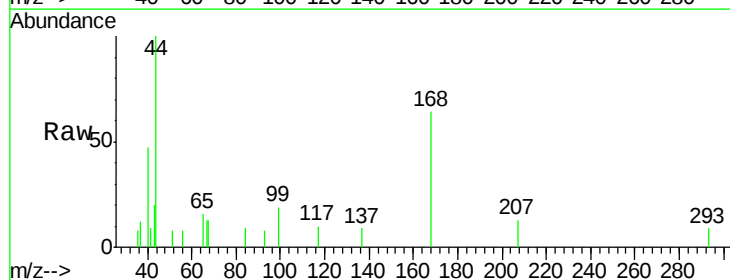
Acq: 22 Feb 2019 19:23

Tgt Ion: 65 Resp: 272

Ion Ratio Lower Upper

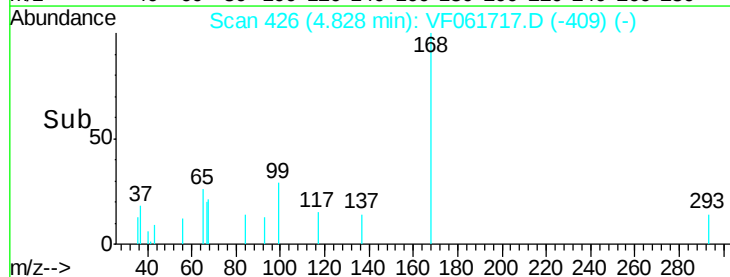
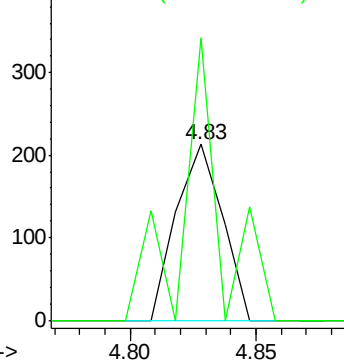
65 100

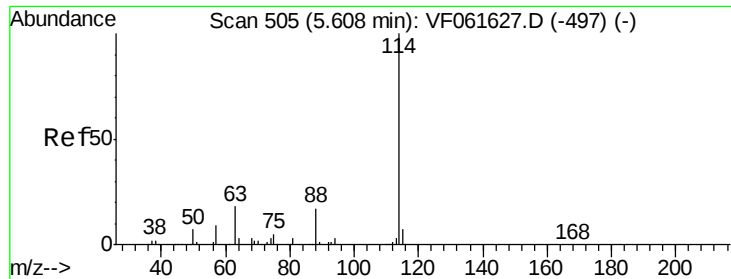
67 161.0 0.0 104.0#



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: 5.58 min Scan# 502

Delta R.T. -0.03 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

Instrument :

MSVOA_F

ClientSampleId :

TP-22RE

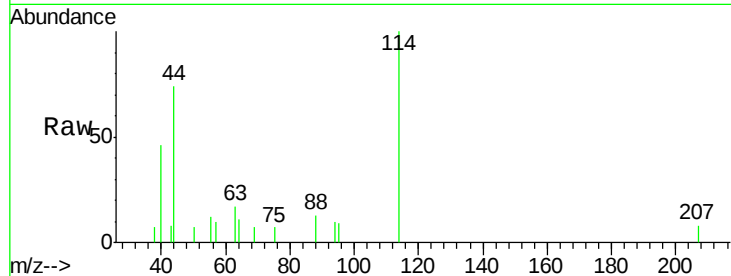
Tot Ion:114 Resp: 5240

Ion Ratio Lower Upper

114 100

63 16.8 0.0 36.6

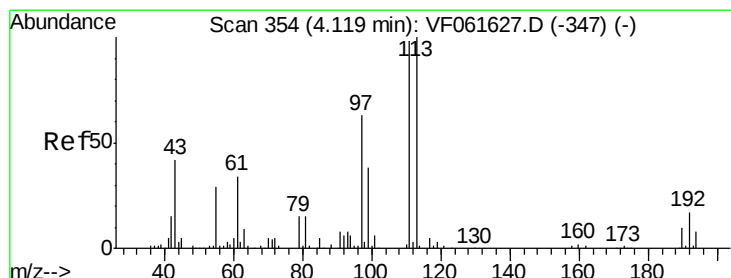
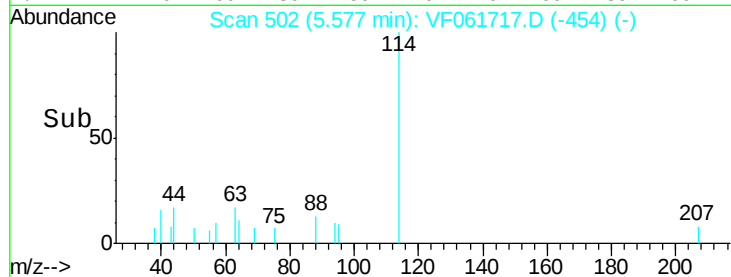
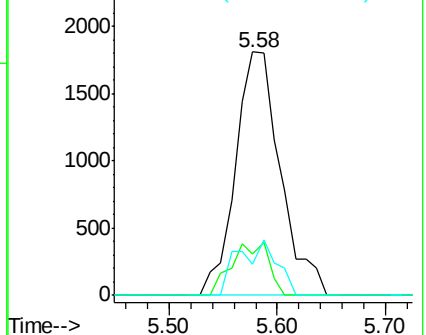
88 13.0 0.0 34.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 20.919 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

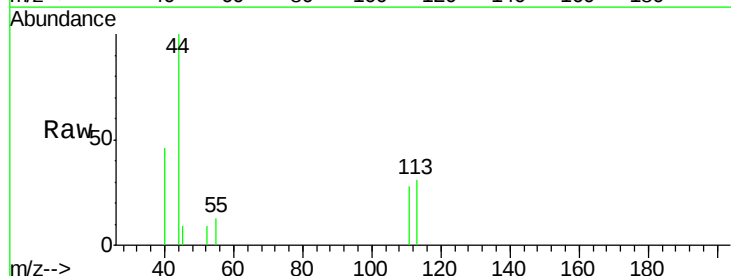
Tgt Ion:113 Resp: 814

Ion Ratio Lower Upper

113 100

111 90.8 78.8 118.2

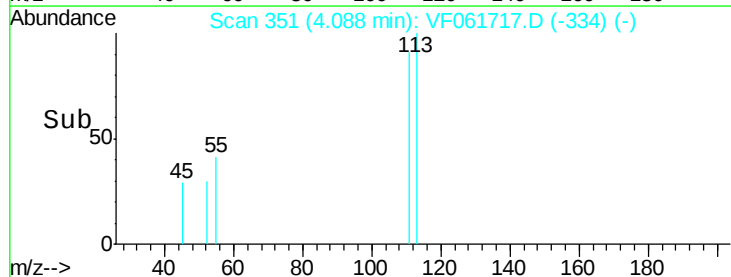
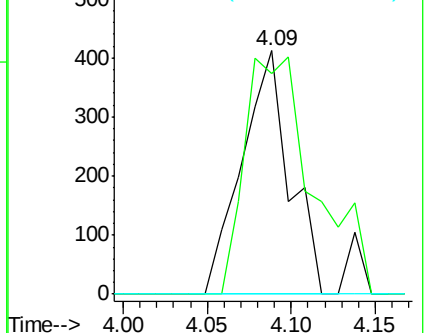
192 0.0 13.4 20.0#

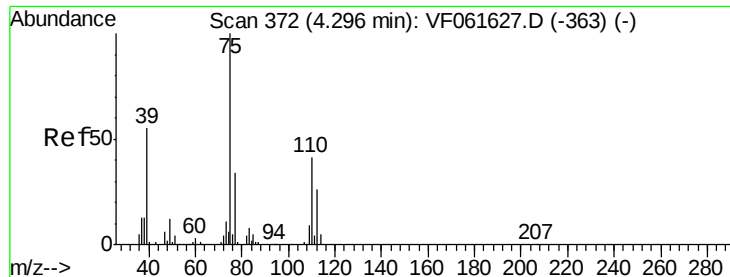


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#36

1,1-Dichloropropene

Concen: 1.214 ug/l

RT: 4.22 min Scan# 364

Delta R.T. -0.08 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

Instrument :

MSVOA_F

ClientSampleId :

TP-22RE

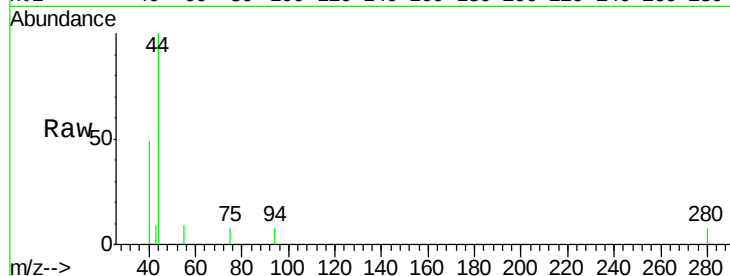
Tot Ion: 75 Resp: 63

Ion Ratio Lower Upper

75 100

110 0.0 20.5 61.6#

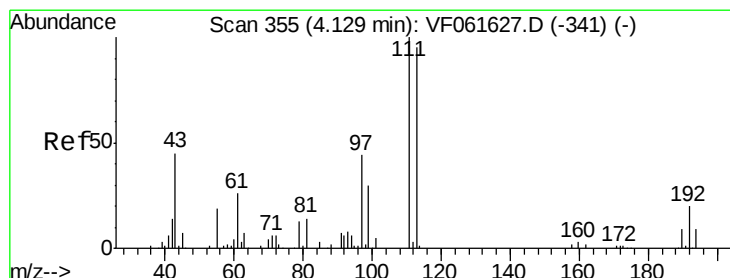
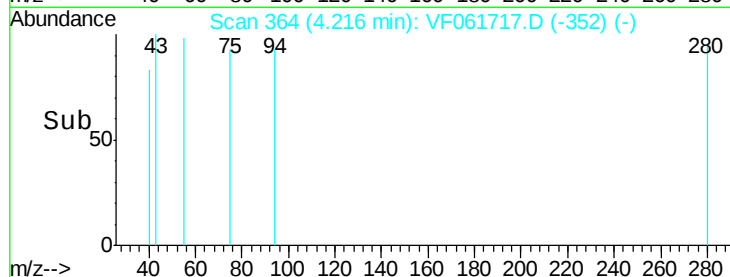
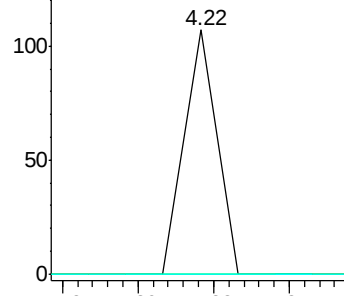
77 0.0 27.0 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#37

Ethyl Acetate

Concen: 2.903 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.02 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

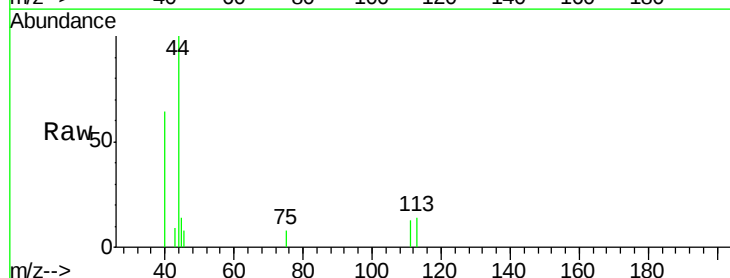
Tgt Ion: 43 Resp: 70

Ion Ratio Lower Upper

43 100

61 0.0 45.7 68.5#

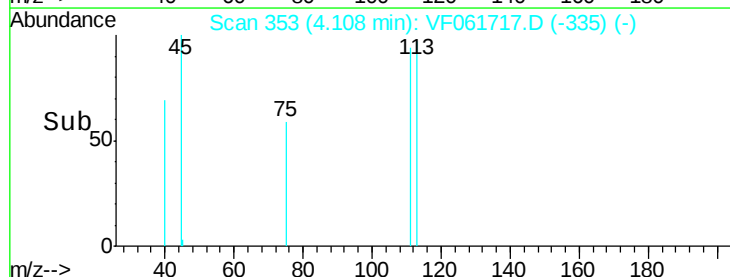
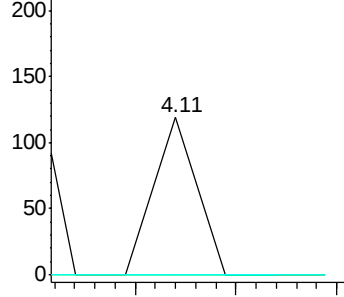
70 0.0 8.5 12.7#

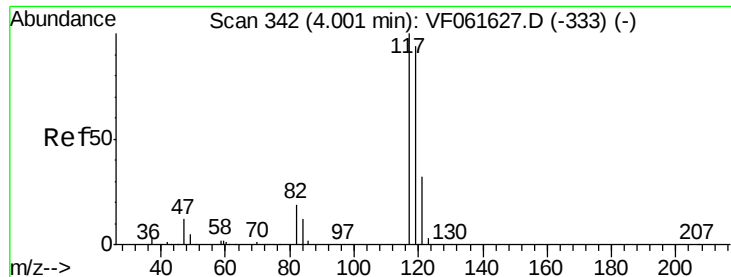


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#38

Carbon Tetrachloride

Concen: 1.869 ug/l

RT: 3.90 min Scan# 332

Delta R.T. -0.10 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

Instrument :

MSVOA_F

ClientSampleId :

TP-22RE

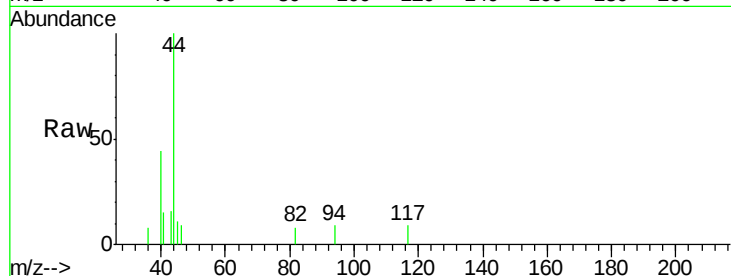
Tot Ion:117 Resp: 67

Ion Ratio Lower Upper

117 100

119 0.0 75.6 113.4#

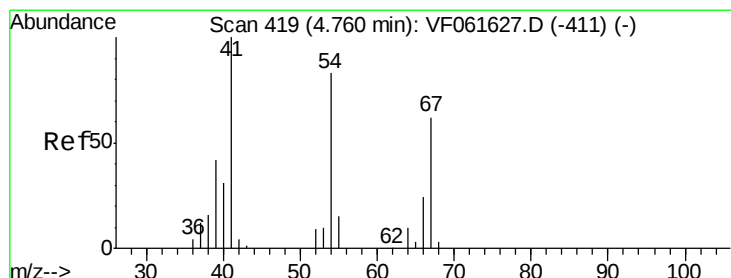
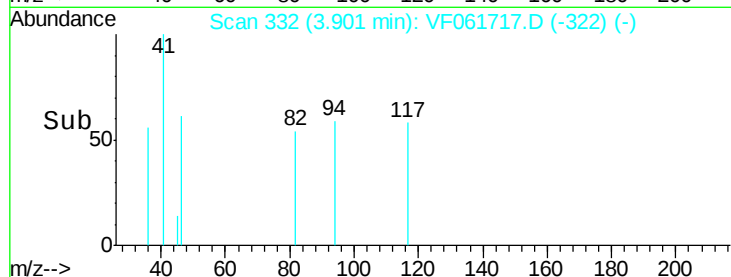
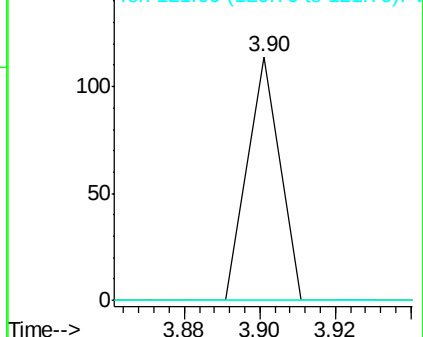
121 0.0 25.2 37.8#



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



#41

Methacrylonitrile

Concen: 15.004 ug/l

RT: 4.74 min Scan# 417

Delta R.T. -0.02 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

Tgt Ion: 41 Resp: 185

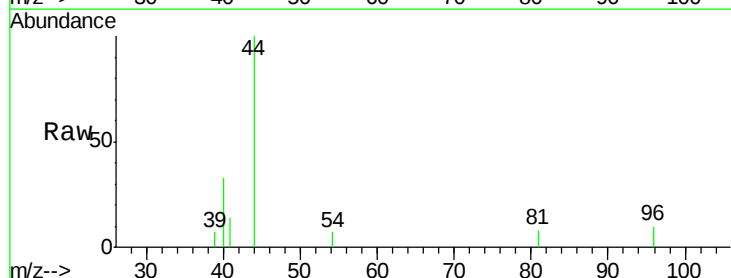
Ion Ratio Lower Upper

41 100

39 51.7 45.3 67.9

67 0.0 49.3 73.9#

52 0.0 32.6 49.0#

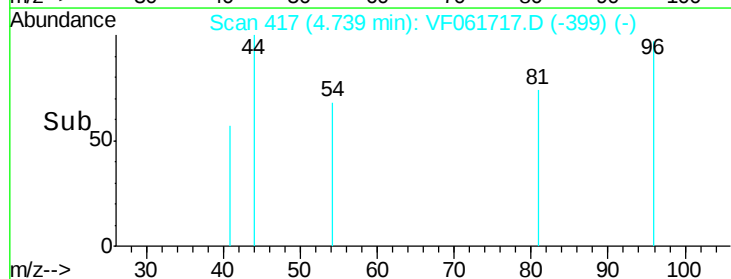
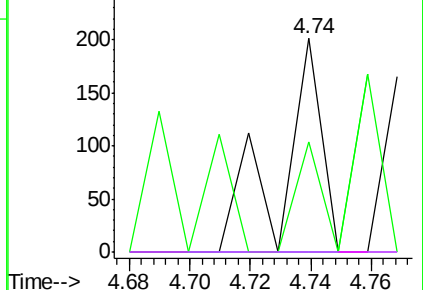


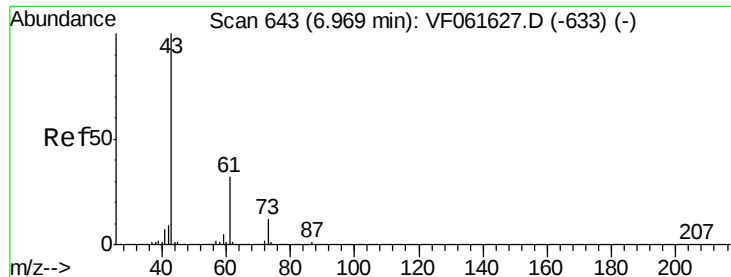
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#43

Isopropyl Acetate

Concen: 2.488 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.03 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

Instrument :

MSVOA_F

ClientSampleId :

TP-22RE

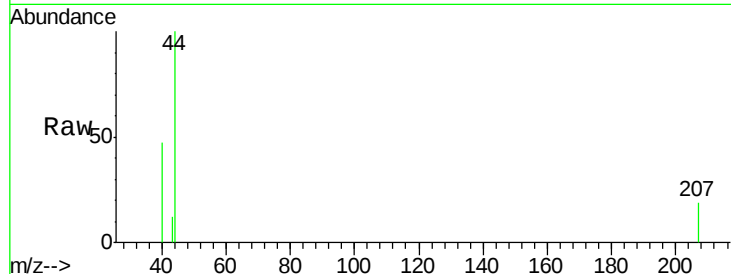
Tot Ion: 43 Resp: 71

Ion Ratio Lower Upper

43 100

61 0.0 25.8 38.6#

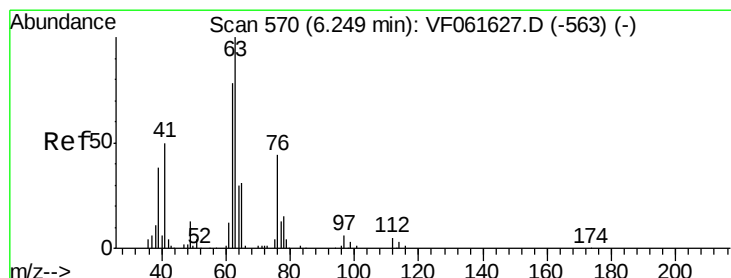
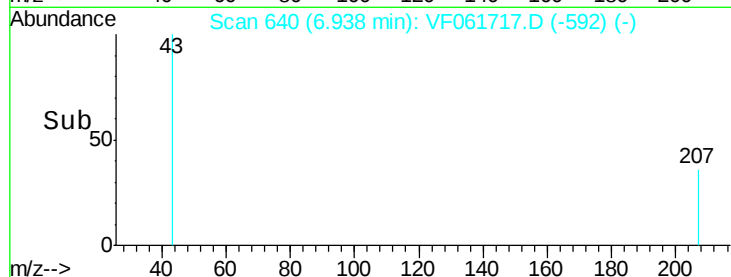
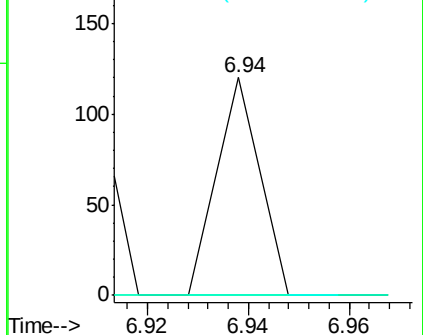
87 0.0 0.4 0.6#



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



#45

1,2-Dichloropropane

Concen: 1.889 ug/l

RT: 6.26 min Scan# 571

Delta R.T. 0.01 min

Lab File: VF061717.D

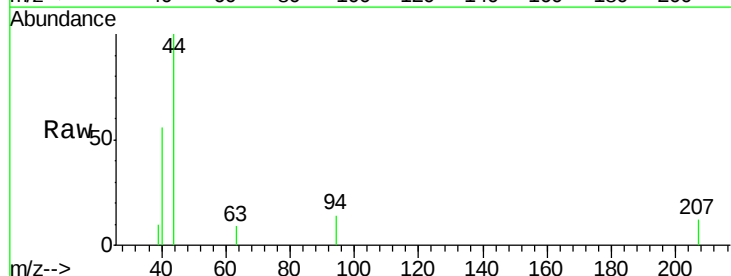
Acq: 22 Feb 2019 19:23

Tgt Ion: 63 Resp: 62

Ion Ratio Lower Upper

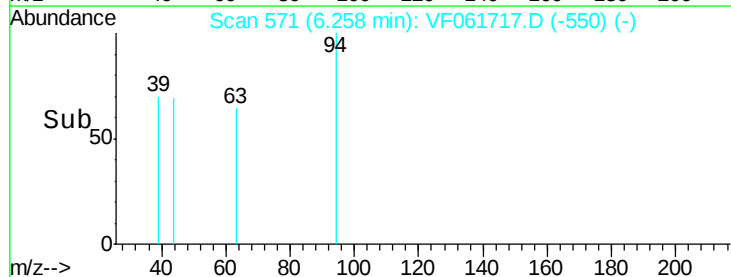
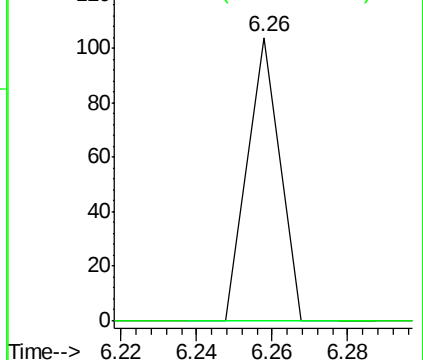
63 100

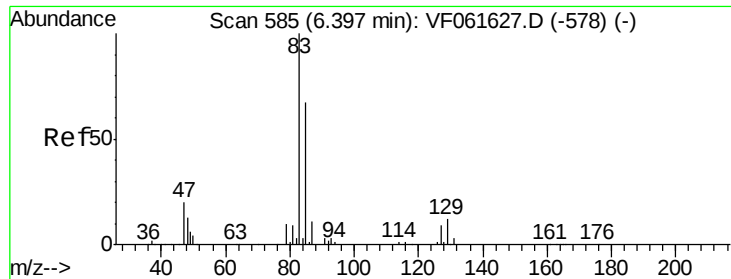
65 0.0 24.9 37.3#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0





#47

Bromodichloromethane

Concen: 1.356 ug/l

RT: 6.27 min Scan# 572

Delta R.T. -0.13 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

Instrument :

MSVOA_F

ClientSampled :

TP-22RE

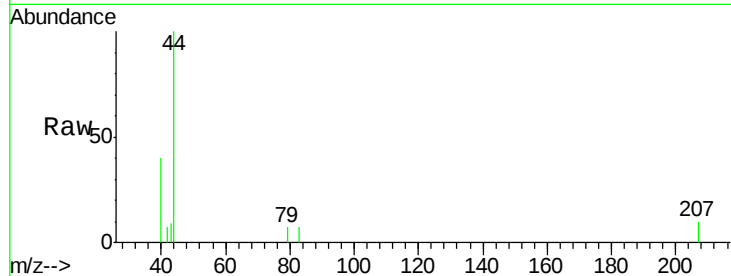
Tot Ion: 83 Resp: 60

Ion Ratio Lower Upper

83 100

85 0.0 53.4 80.2#

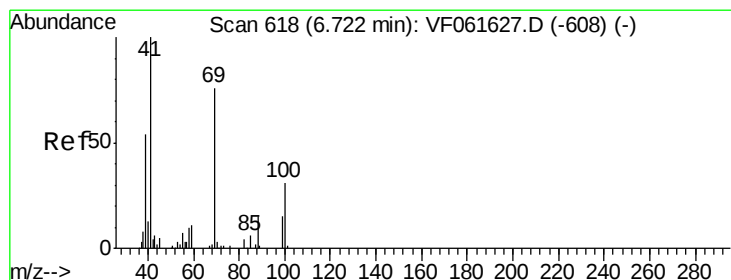
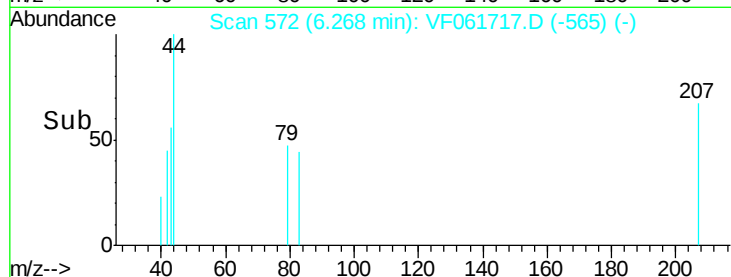
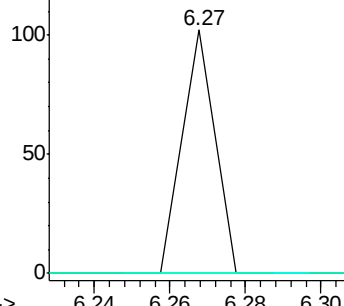
127 0.0 7.5 11.3#



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: 8.152 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.03 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

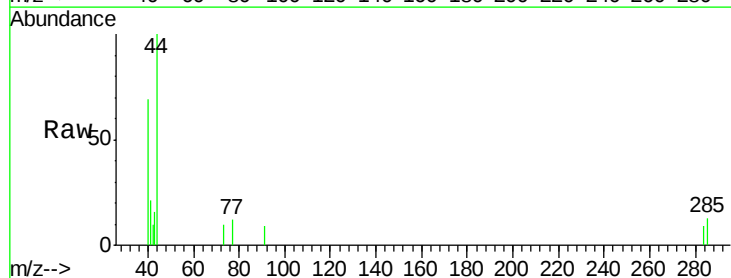
Tgt Ion: 41 Resp: 140

Ion Ratio Lower Upper

41 100

69 0.0 60.4 90.6#

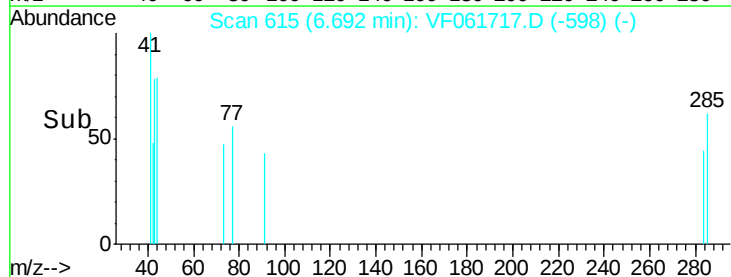
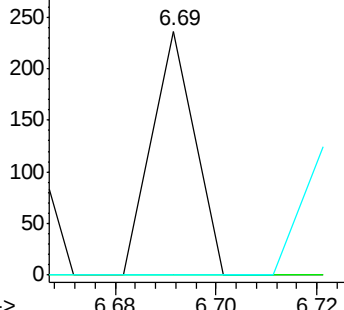
39 0.0 43.7 65.5#

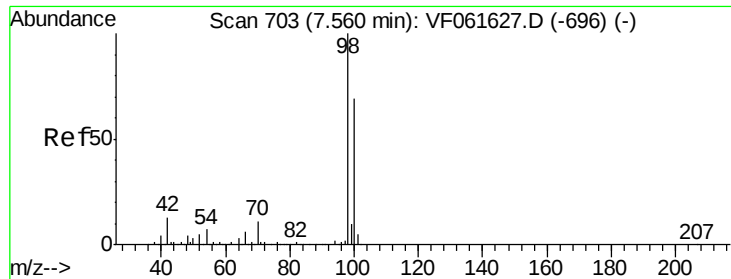


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

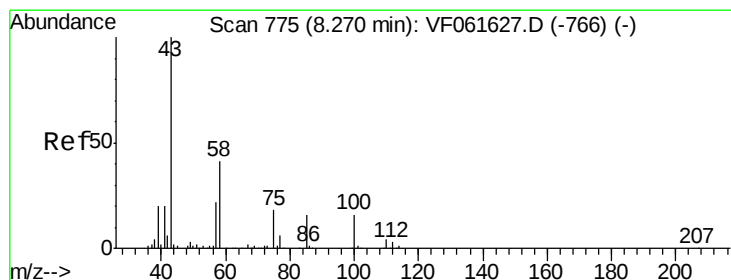
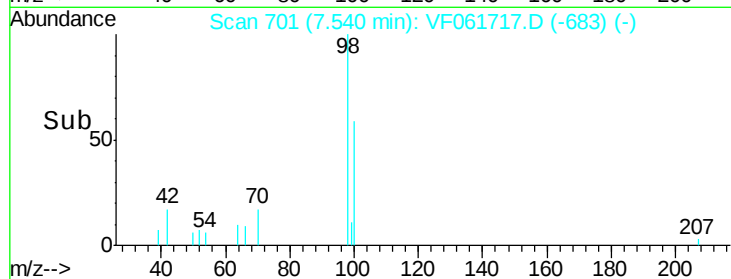
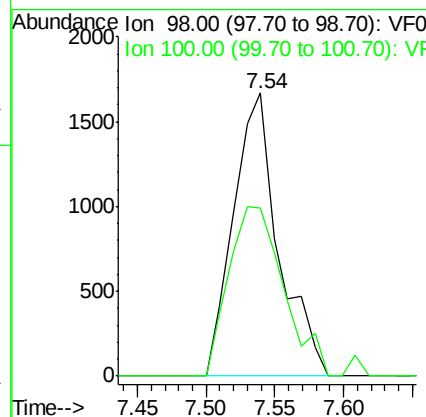
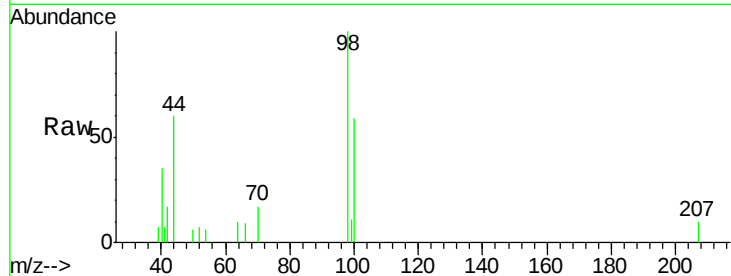




#50
Toluene-d8
Concen: 34.024 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061717.D
Acq: 22 Feb 2019 19:23

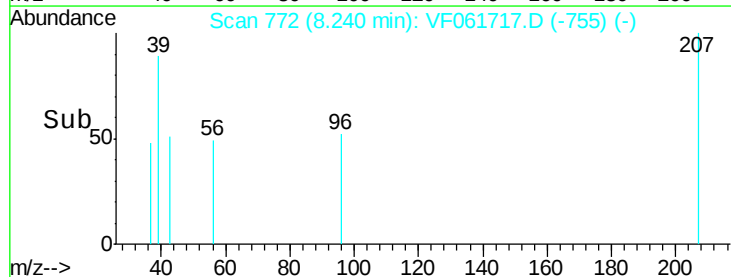
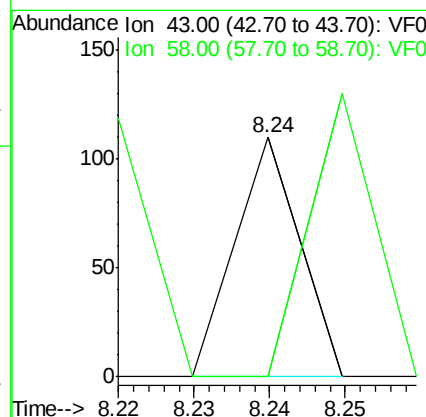
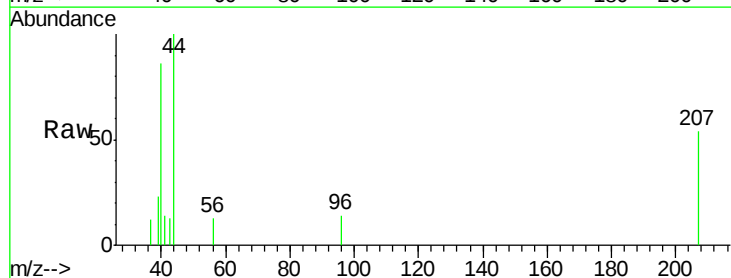
Instrument :
MSVOA_F
ClientSampleId :
TP-22RE

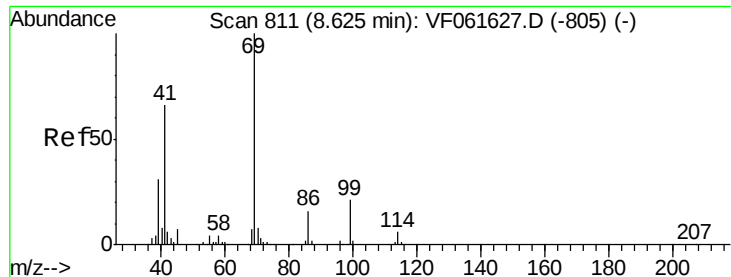
Tot Ion: 98 Resp: 3806
Ion Ratio Lower Upper
98 100
100 59.3 55.4 83.2



#51
4-Methyl-2-Pentanone
Concen: 3.188 ug/l
RT: 8.24 min Scan# 772
Delta R.T. -0.03 min
Lab File: VF061717.D
Acq: 22 Feb 2019 19:23

Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#





#56

Ethyl methacrylate

Concen: 2.636 ug/l

RT: 8.66 min Scan# 815

Delta R.T. 0.04 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

Instrument :

MSVOA_F

ClientSampleID :

TP-22RE

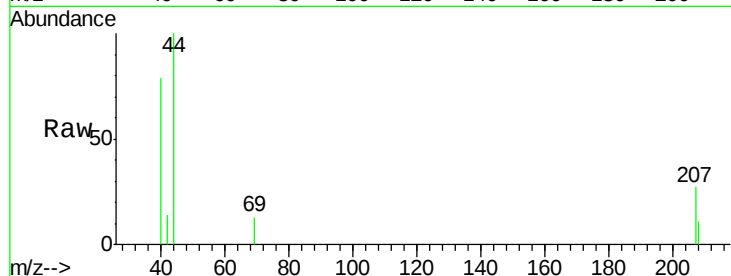
Tot Ion: 69 Resp: 71

Ion Ratio Lower Upper

69 100

41 0.0 52.9 79.3#

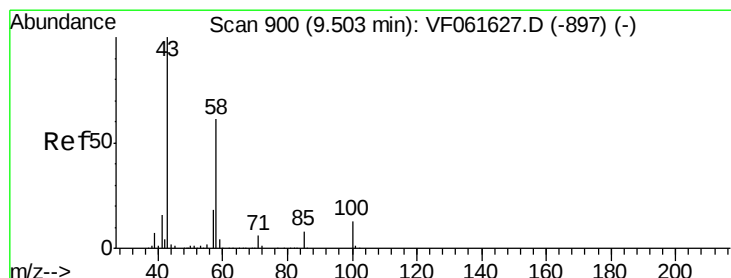
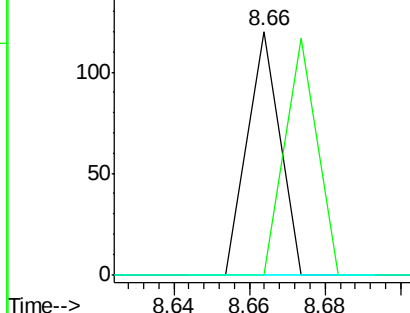
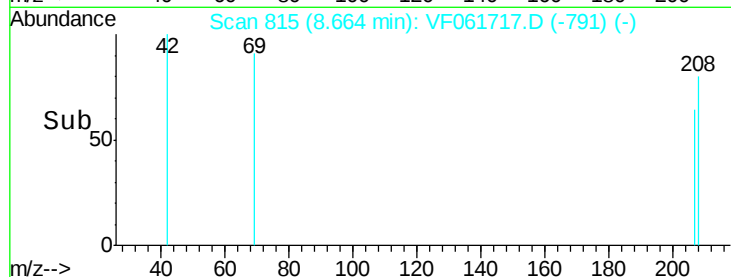
39 0.0 24.5 36.7#



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#59

2-Hexanone

Concen: 4.407 ug/l

RT: 9.45 min Scan# 895

Delta R.T. -0.05 min

Lab File: VF061717.D

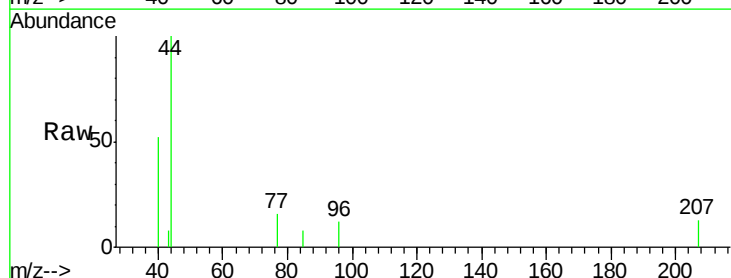
Acq: 22 Feb 2019 19:23

Tgt Ion: 43 Resp: 63

Ion Ratio Lower Upper

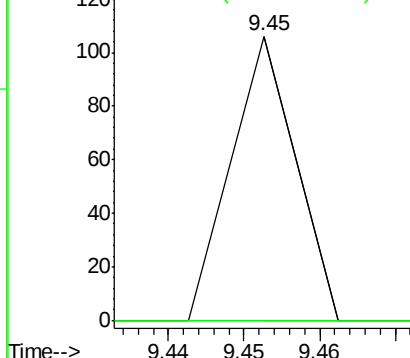
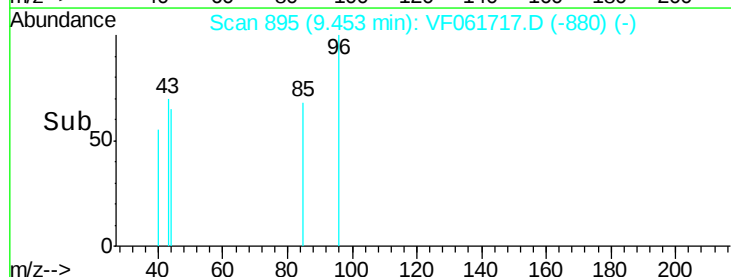
43 100

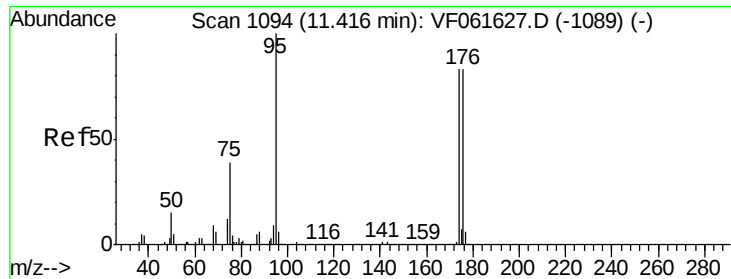
58 0.0 28.5 85.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 20.503 ug/l

RT: 11.40 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

Instrument :

MSVOA_F

ClientSampleId :

TP-22RE

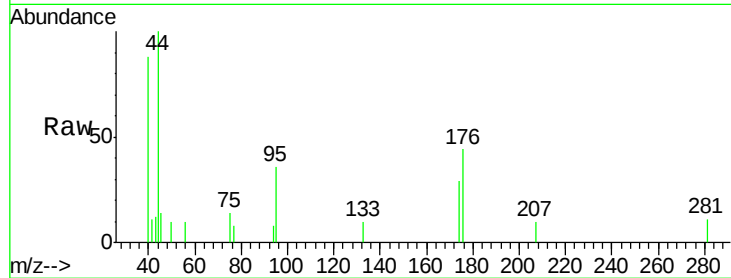
Tot Ion: 95 Resp: 928

Ion Ratio Lower Upper

95 100

174 79.1 0.0 165.8

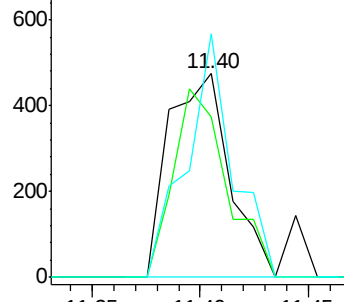
176 119.6 0.0 167.0



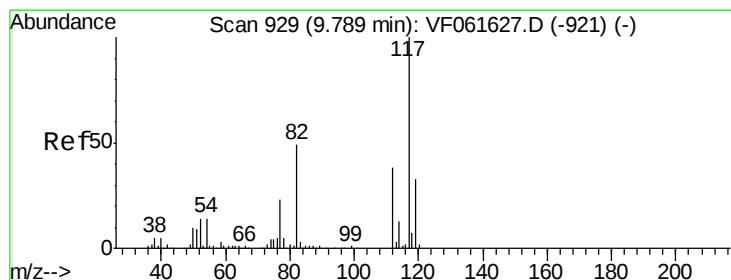
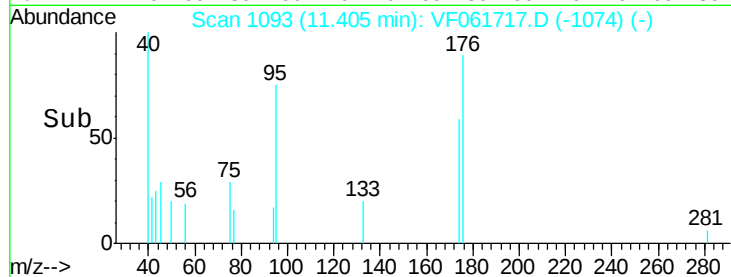
Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.03 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

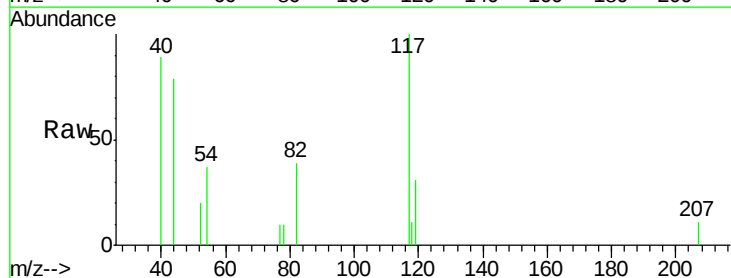
Tgt Ion: 117 Resp: 3065

Ion Ratio Lower Upper

117 100

82 39.1 39.3 58.9#

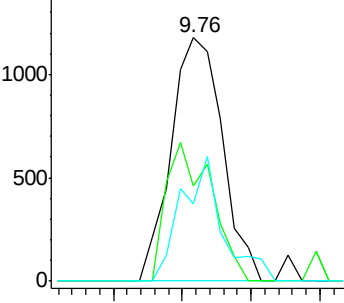
119 31.5 26.6 40.0



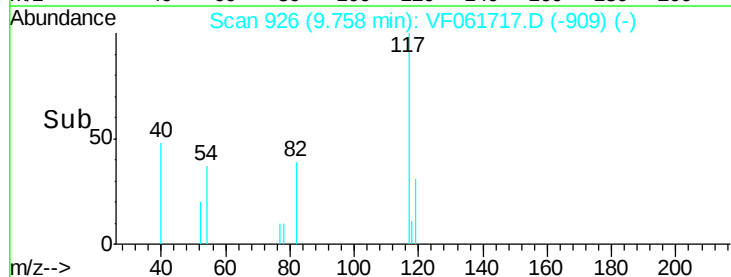
Abundance Ion 117.00 (116.70 to 117.70): VF0

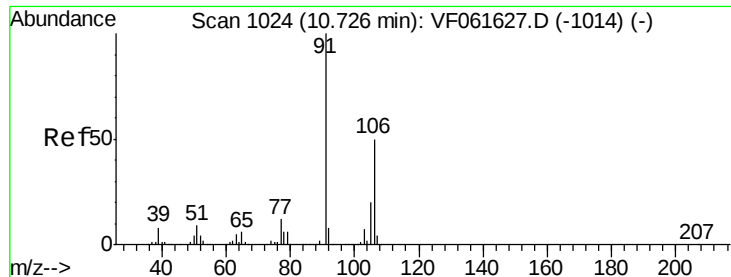
Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



Time-->

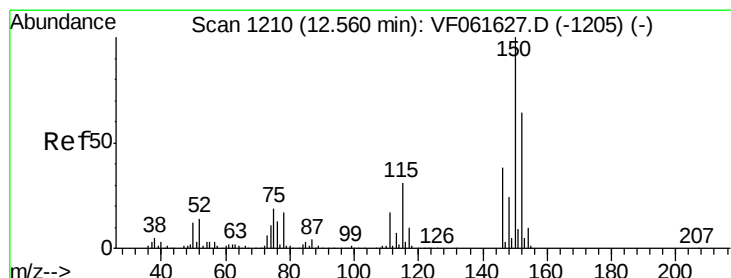
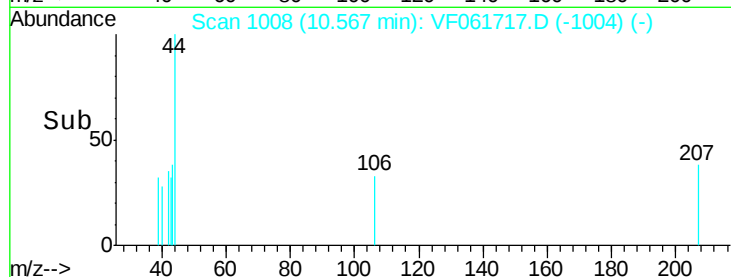
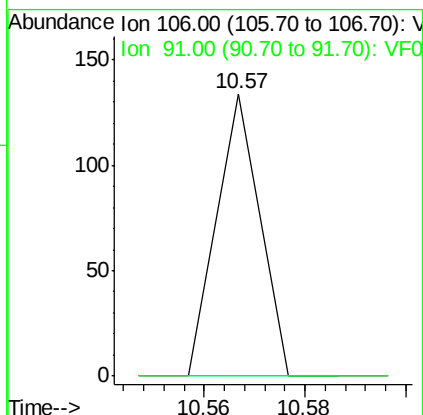
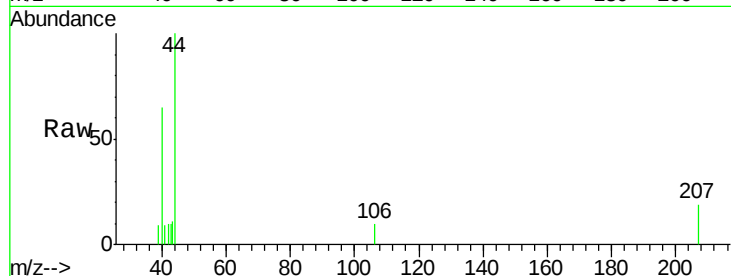




#69
o-Xylene
Concen: 1.870 ug/l
RT: 10.57 min Scan# 1008
Delta R.T. -0.16 min
Lab File: VF061717.D
Acq: 22 Feb 2019 19:23

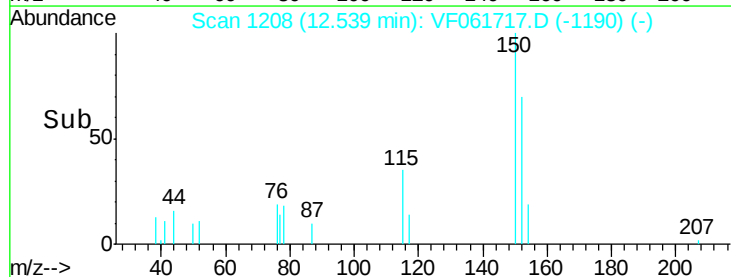
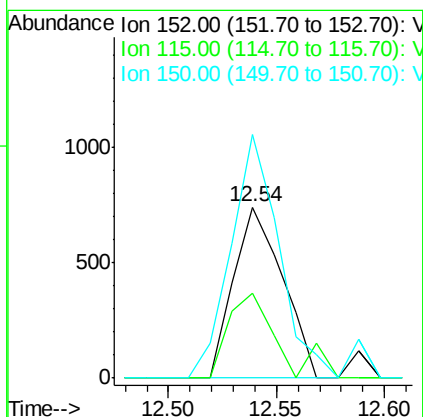
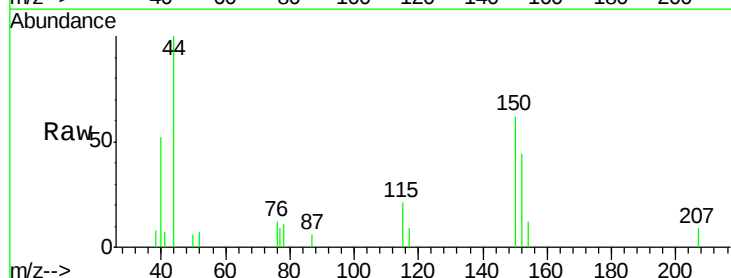
Instrument :
MSVOA_F
ClientSampled :
TP-22RE

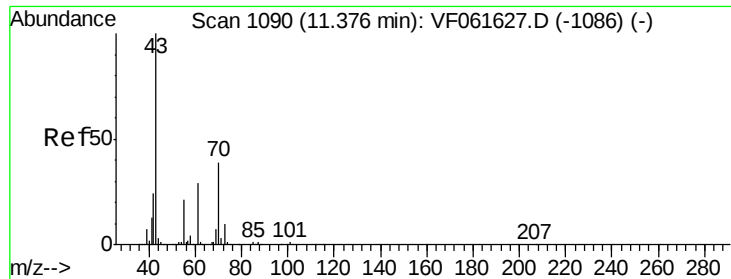
Tot Ion:106 Resp: 79
Ion Ratio Lower Upper
106 100
91 0.0 100.1 300.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061717.D
Acq: 22 Feb 2019 19:23

Tgt Ion:152 Resp: 1169
Ion Ratio Lower Upper
152 100
115 49.3 24.3 72.8
150 142.3 0.0 312.0





#74

N-amvl acetate

Concen: 12.814 ug/l

RT: 11.40 min Scan# 1093

Delta R.T. 0.03 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

Instrument :

MSVOA_F

ClientSampleId :

TP-22RE

Tot Ion: 43 Resp: 256

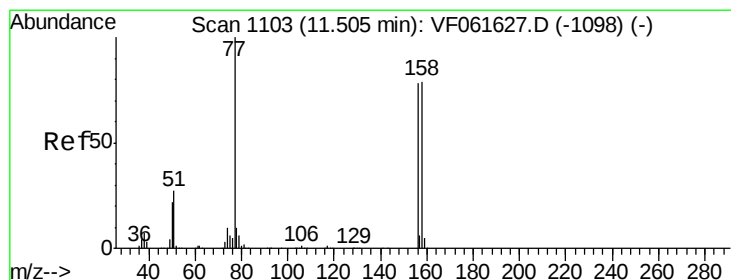
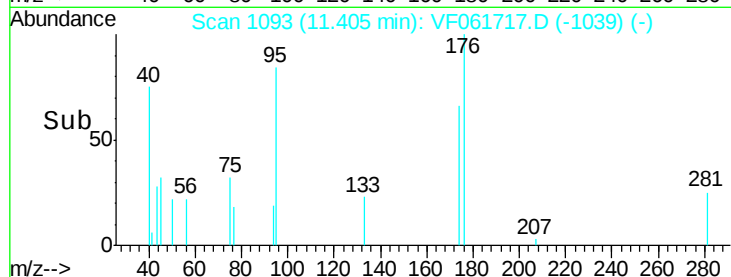
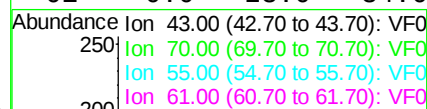
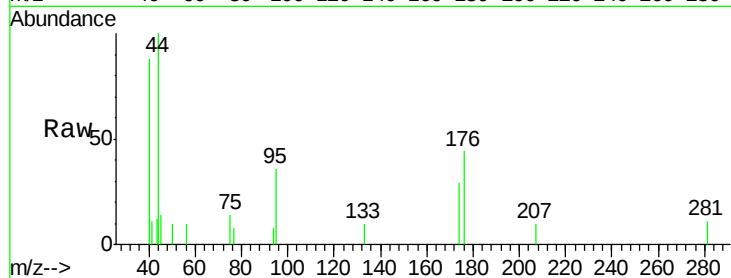
Ion Ratio Lower Upper

43 100

70 0.0 31.5 47.3#

55 0.0 16.7 25.1#

61 0.0 23.0 34.6#



#77

Bromobenzene

Concen: 3.064 ug/l

RT: 11.63 min Scan# 1116

Delta R.T. 0.13 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

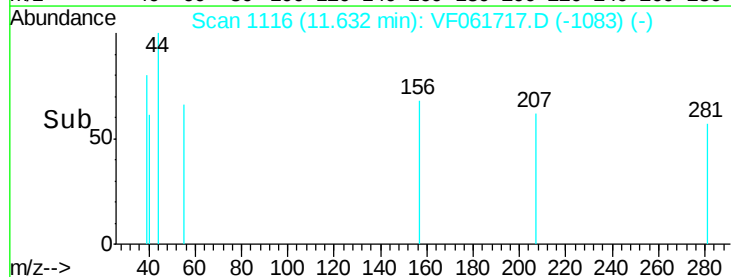
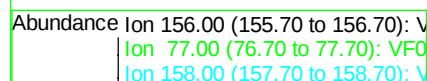
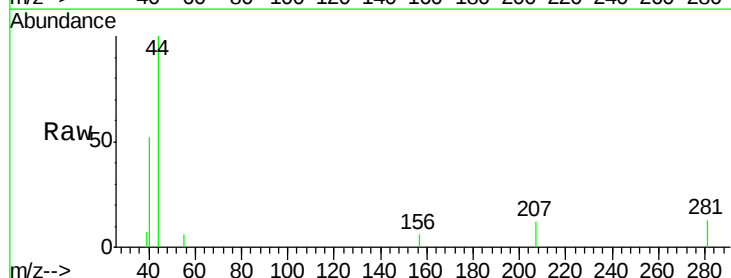
Tgt Ion: 156 Resp: 63

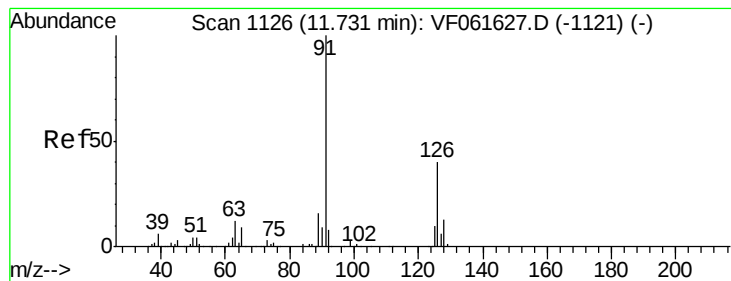
Ion Ratio Lower Upper

156 100

77 0.0 64.3 192.7#

158 0.0 50.9 152.7#





#79

2-Chlorotoluene

Concen: 1.215 ug/l

RT: 11.76 min Scan# 1129

Delta R.T. 0.03 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

Instrument :

MSVOA_F

ClientSampleId :

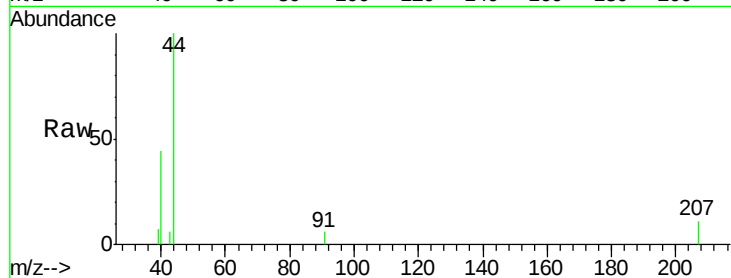
TP-22RE

Tot Ion: 91 Resp: 65

Ion Ratio Lower Upper

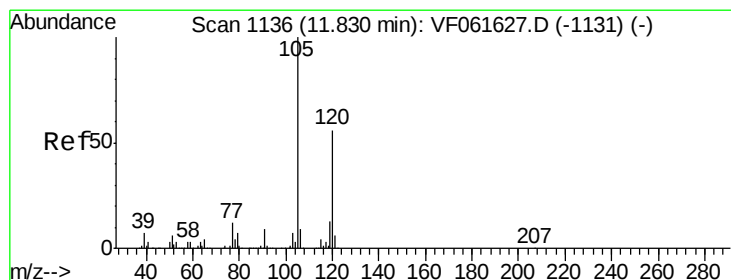
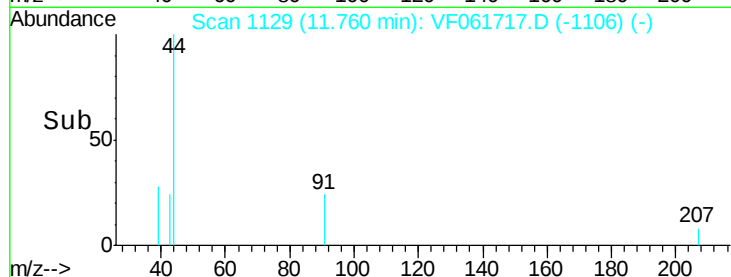
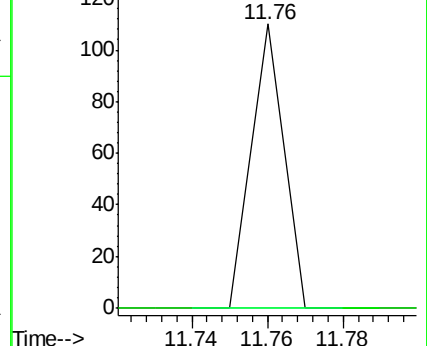
91 100

126 0.0 19.8 59.4#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 1.007 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.14 min

Lab File: VF061717.D

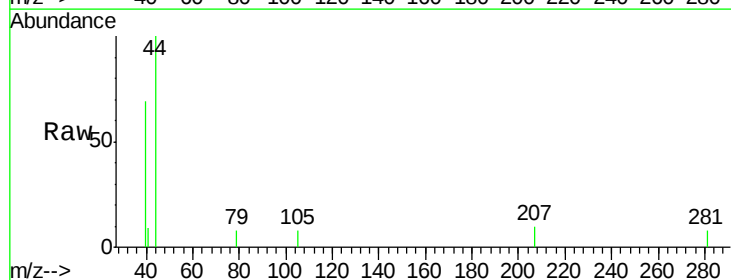
Acq: 22 Feb 2019 19:23

Tgt Ion: 105 Resp: 67

Ion Ratio Lower Upper

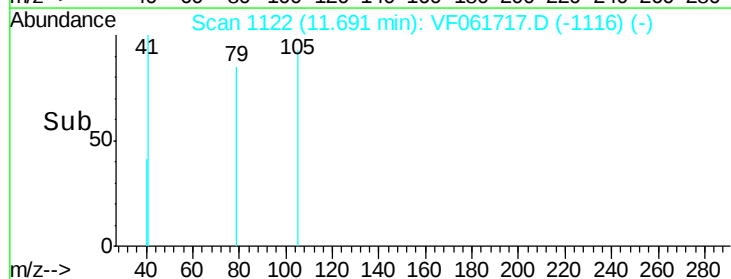
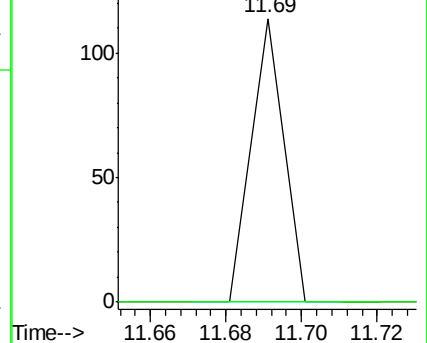
105 100

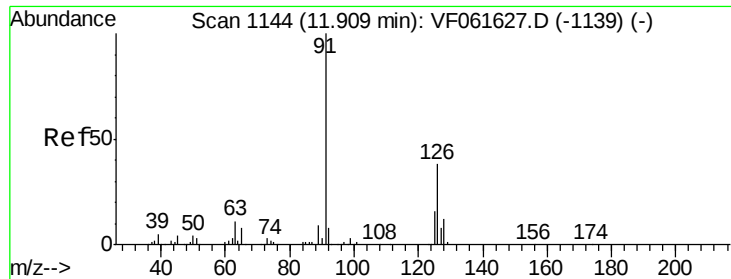
120 0.0 27.9 83.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#82

4-Chlorotoluene

Concen: 1.171 ug/l

RT: 11.76 min Scan# 1129

Delta R.T. -0.15 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

Instrument :

MSVOA_F

ClientSampleId :

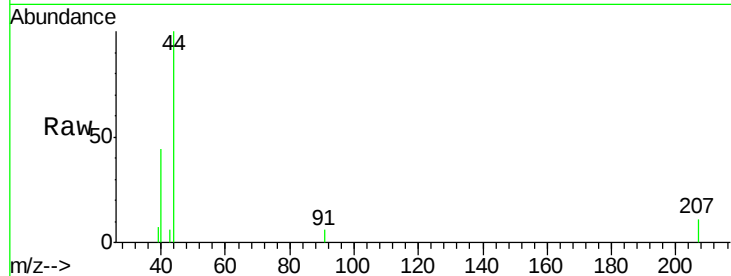
TP-22RE

Tot Ion: 91 Resp: 65

Ion Ratio Lower Upper

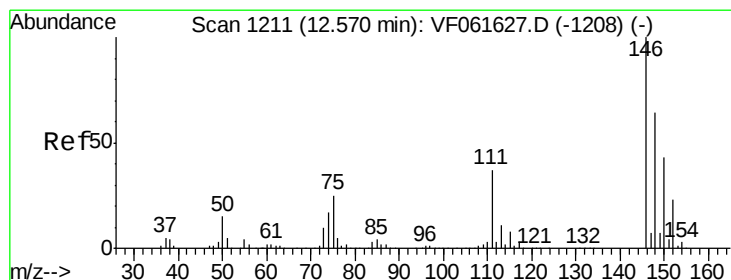
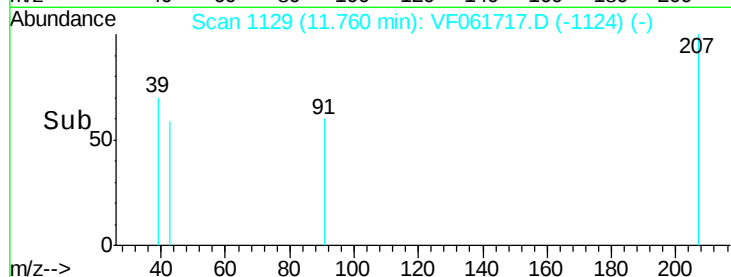
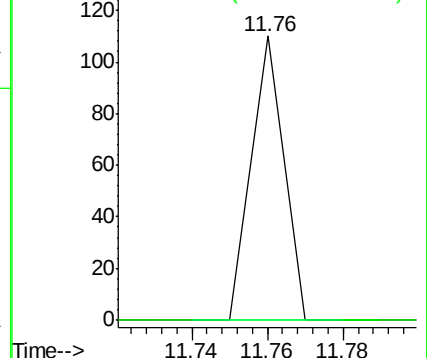
91 100

126 0.0 19.1 57.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#88

1,4-Dichlorobenzene

Concen: 1.608 ug/l

RT: 12.68 min Scan# 1222

Delta R.T. 0.11 min

Lab File: VF061717.D

Acq: 22 Feb 2019 19:23

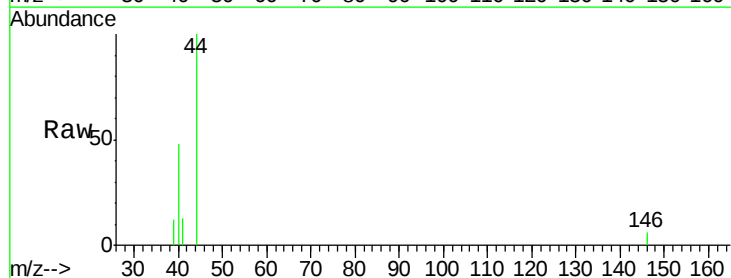
Tgt Ion: 146 Resp: 62

Ion Ratio Lower Upper

146 100

111 0.0 18.4 55.4#

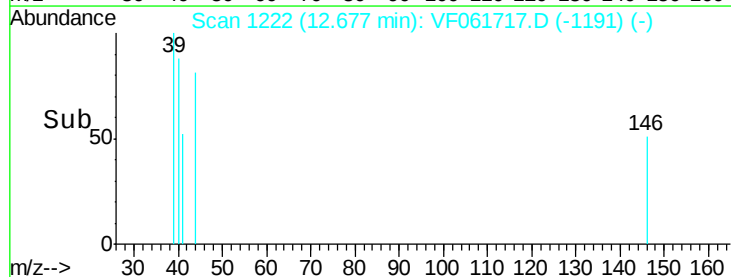
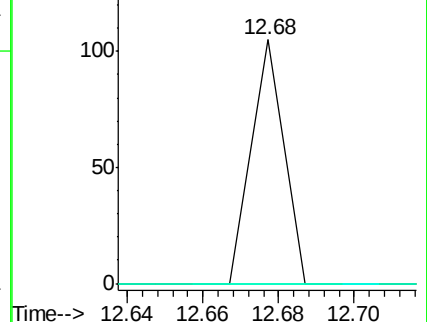
148 0.0 32.2 96.6#

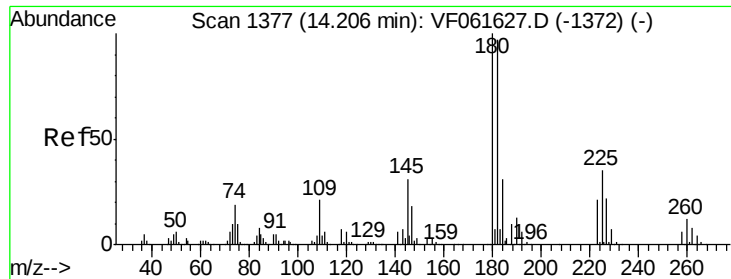


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#93
 1,2,4-Trichlorobenzene
 Concen: 2.561 ug/l
 RT: 14.06 min Scan# 1362
 Delta R.T. -0.15 min
 Lab File: VF061717.D
 Acq: 22 Feb 2019 19:23

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-22RE

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.6	145.9#
145	0.0	15.3	45.9#

