

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122618\
 Data File : VF061185.D
 Acq On : 26 Dec 2018 13:42
 Operator : VA/AP
 Sample : J6447-05
 Misc : 5.86g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS024-1824-01

Quant Time: Dec 26 23:51:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	3997	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	6550	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	3884	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	745	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	1227	23.87	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	47.74%	
35) Dibromofluoromethane	4.11	113	1833	34.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.86%	
50) Toluene-d8	7.53	98	6439	43.30	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	86.60%	
62) 4-Bromofluorobenzene	11.41	95	1363	19.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.76%	

Target Compounds						Qvalue
3) Chloromethane	1.11	50	172	3.379	ug/l #	42
4) Vinyl Chloride	1.11	62	67	1.419	ug/l #	37
5) Bromomethane	1.34	94	166	5.069	ug/l #	3
6) Chloroethane	1.42	64	120	5.516	ug/l #	52
8) Diethyl Ether	1.73	74	86	6.967	ug/l	79
11) Tert butyl alcohol	2.54	59	67	32.296	ug/l #	1
12) 1,1-Dichloroethene	1.72	96	150	4.257	ug/l #	1
13) Acrolein	1.95	56	552	368.234	ug/l	99
14) Allyl chloride	2.07	41	429	11.700	ug/l #	69
15) Acrylonitrile	2.95	53	60	12.507	ug/l #	7
16) Acetone	2.22	43	598	58.188	ug/l #	66
17) Carbon Disulfide	1.87	76	133	1.249	ug/l #	68
18) Methyl Acetate	2.33	43	391	18.389	ug/l #	66
19) Methyl tert-butyl Ether	2.41	73	94	1.202	ug/l #	1
20) Methylene Chloride	2.21	84	61	Below Cal	#	60
21) trans-1,2-Dichloroethene	2.27	96	76	2.017	ug/l #	1
22) Diisopropyl ether	2.80	45	221	1.809	ug/l #	15
23) Vinyl Acetate	3.19	43	626	11.110	ug/l #	78
24) 1,1-Dichloroethane	2.87	63	178	2.460	ug/l #	1
25) 2-Butanone	4.30	43	202	12.119	ug/l #	57
26) 2,2-Dichloropropane	3.41	77	61	1.469	ug/l #	62
27) cis-1,2-Dichloroethene	3.45	96	76	1.317	ug/l	1
29) Tetrahydrofuran	4.08	42	73	10.761	ug/l #	37
32) 1,1,1-Trichloroethane	4.11	97	83	1.276	ug/l #	23
37) Ethyl Acetate	4.13	43	234	6.481	ug/l #	21
41) Methacrylonitrile	4.71	41	397	23.776	ug/l #	27
43) Isopropyl Acetate	6.94	43	428	11.211	ug/l #	45
46) Dibromomethane	6.18	93	60	2.000	ug/l #	5
48) Methyl methacrylate	6.68	41	96	3.602	ug/l #	19
51) 4-Methyl-2-Pentanone	8.25	43	64	2.444	ug/l #	38
55) 1,1,2-Trichloroethane	8.61	97	64	1.897	ug/l #	12
56) Ethyl methacrylate	8.52	69	60	1.643	ug/l #	1
59) 2-Hexanone	9.44	43	207	10.933	ug/l #	27
73) Isopropylbenzene	11.11	105	86	1.340	ug/l #	49

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QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

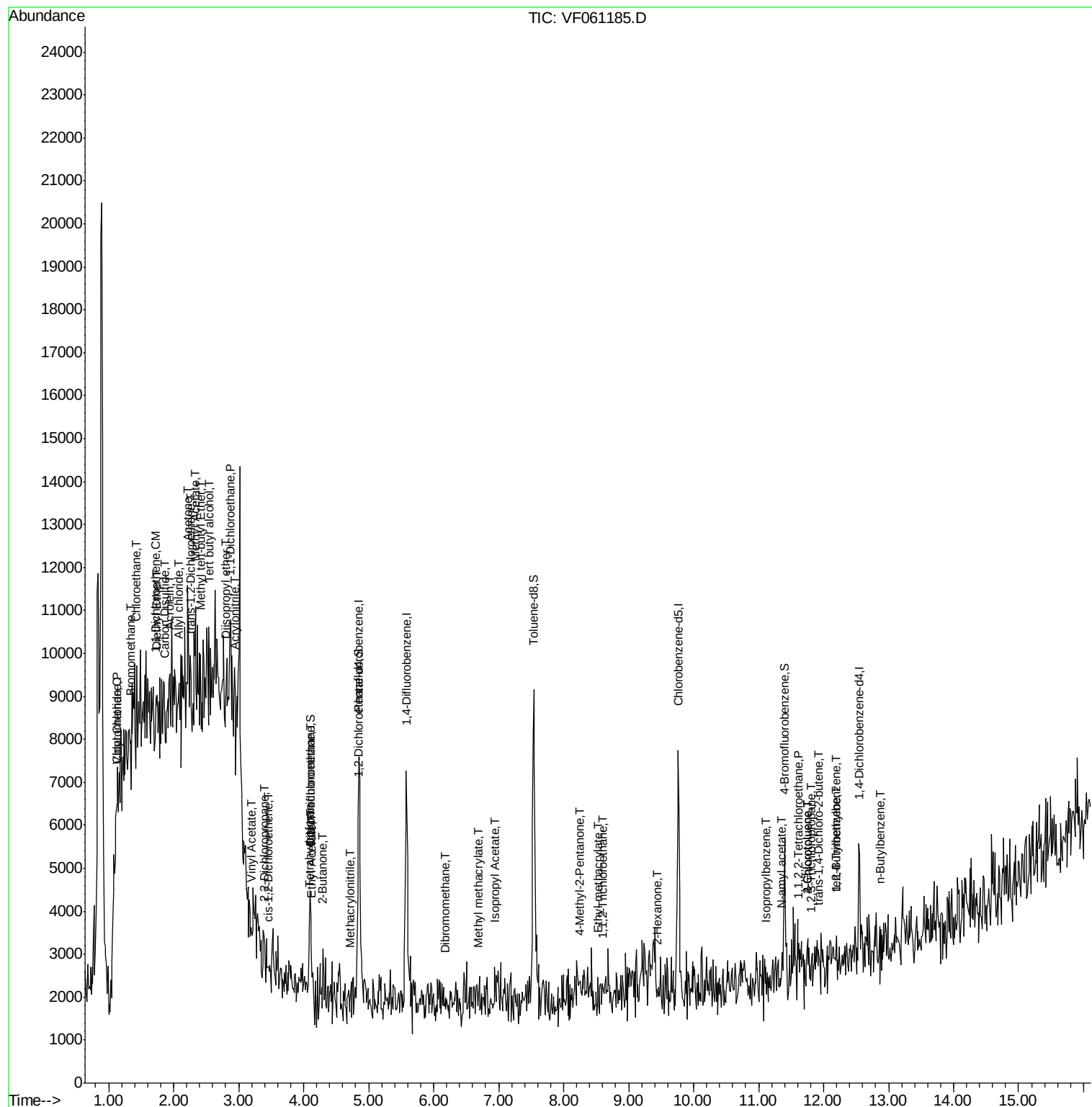
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) N-amyl acetate	11.37	43	209	14.663	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	11.62	83	69	6.476	ug/l #	23
76) 1,2,3-Trichloropropane	11.80	75	69	8.702	ug/l #	39
79) 2-Chlorotoluene	11.75	91	72	1.635	ug/l #	42
81) trans-1,4-Dichloro-2-buten	11.92	75	60	17.609	ug/l #	11
82) 4-Chlorotoluene	11.75	91	72	1.580	ug/l #	43
83) tert-Butylbenzene	12.20	119	60	1.103	ug/l #	29
84) 1,2,4-Trimethylbenzene	12.19	105	69	1.309	ug/l #	29
89) n-Butylbenzene	12.88	91	76	1.338	ug/l #	26

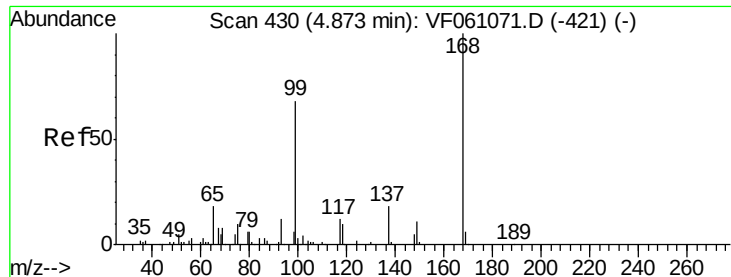
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF122618\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

Instrument :

MSVOA_F

ClientSampleId :

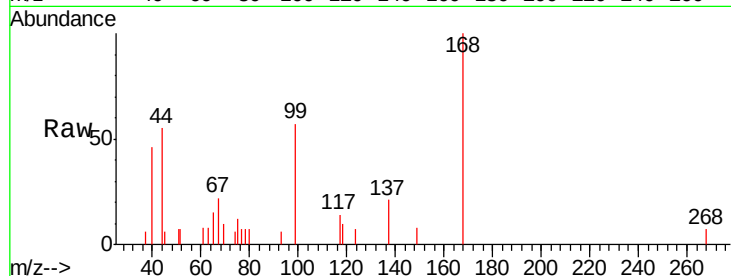
P001-SS024-1824-01

Tgt Ion: 168 Resp: 3997

Ion Ratio Lower Upper

168 100

99 57.2 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

1500

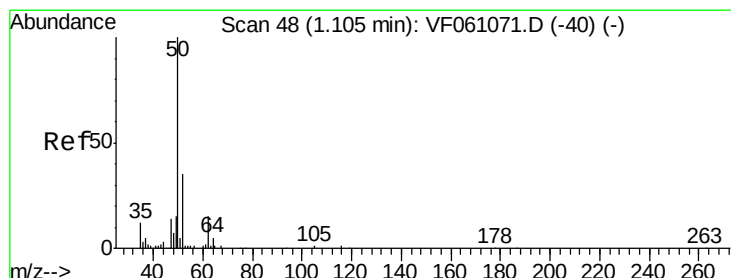
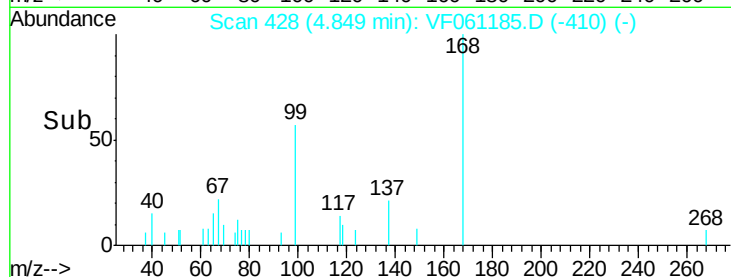
1000

500

0

4.75 4.80 4.85 4.90 4.95

Time-->



#3

Chloromethane

Concen: 3.379 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF061185.D

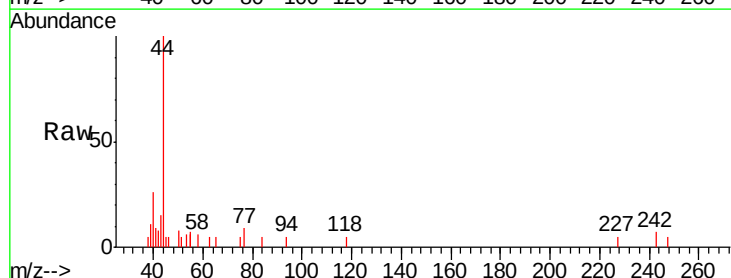
Acq: 26 Dec 2018 13:42

Tgt Ion: 50 Resp: 172

Ion Ratio Lower Upper

50 100

52 0.0 26.3 39.5#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.11

200

150

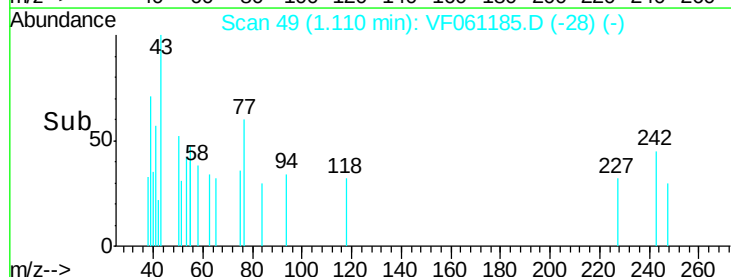
100

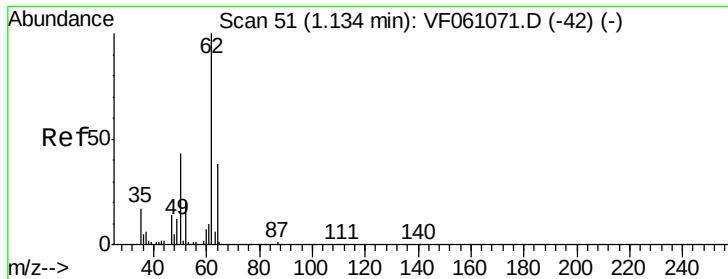
50

0

1.06 1.08 1.10 1.12 1.14

Time-->





#4

Vinyl Chloride

Concen: 1.419 ug/l

RT: 1.11 min Scan# 49

Delta R.T. -0.02 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

Instrument :

MSVOA_F

ClientSampleId :

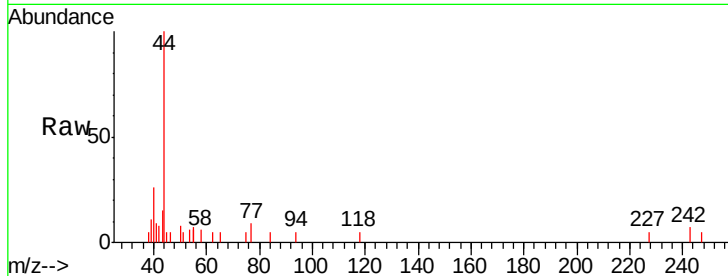
P001-SS024-1824-01

Tgt Ion: 62 Resp: 67

Ion Ratio Lower Upper

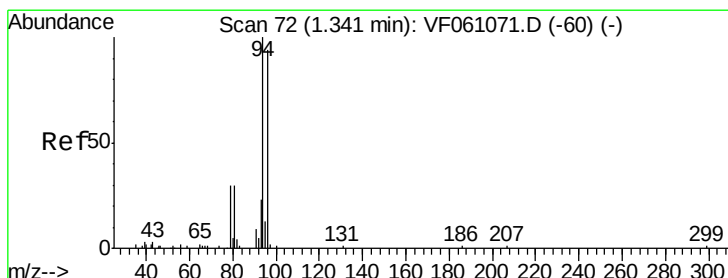
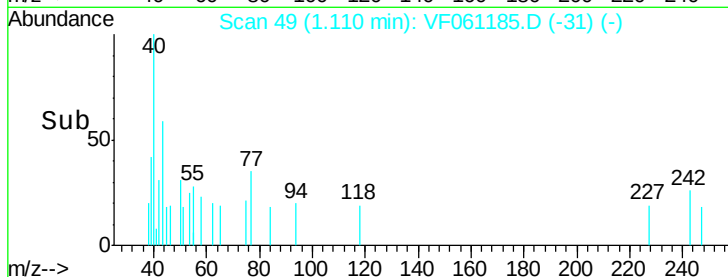
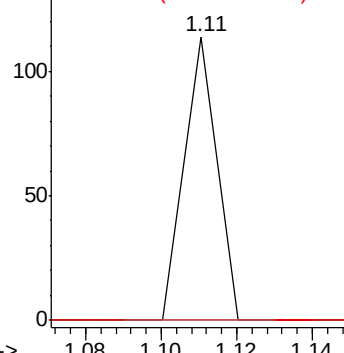
62 100

64 0.0 30.4 45.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0



#5

Bromomethane

Concen: 5.069 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VF061185.D

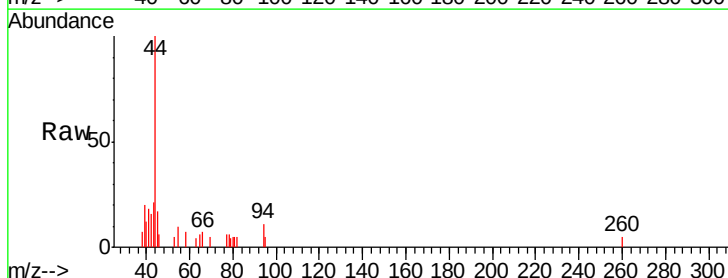
Acq: 26 Dec 2018 13:42

Tgt Ion: 94 Resp: 166

Ion Ratio Lower Upper

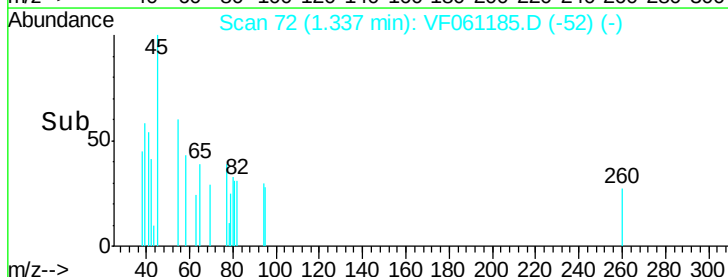
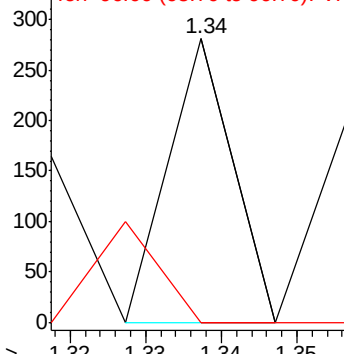
94 100

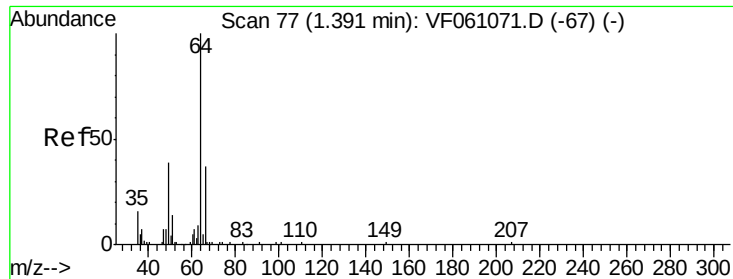
96 0.0 74.4 111.6#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0





#6

Chloroethane

Concen: 5.516 ug/l

RT: 1.42 min Scan# 80

Delta R.T. 0.03 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

Instrument :

MSVOA_F

ClientSampleId :

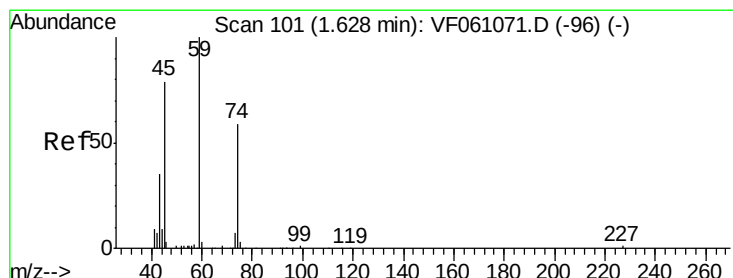
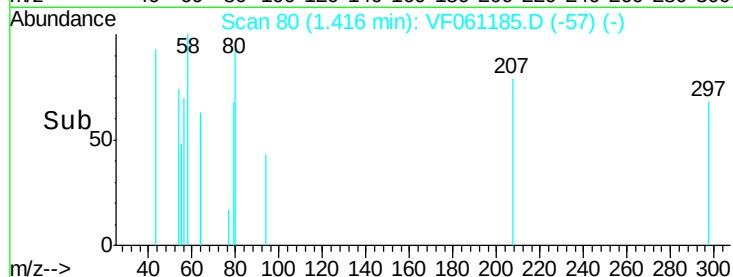
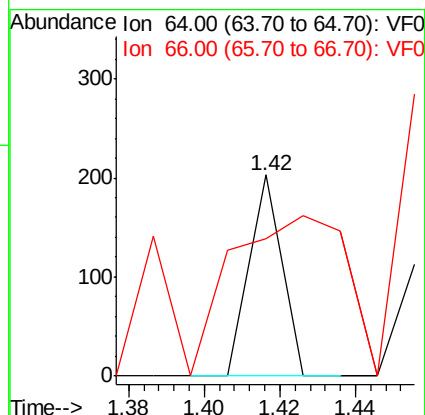
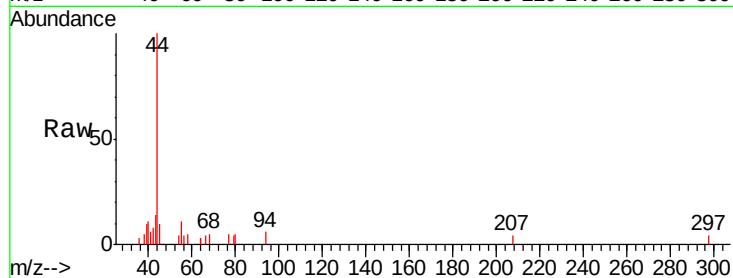
P001-SS024-1824-01

Tgt Ion: 64 Resp: 120

Ion Ratio Lower Upper

64 100

66 68.0 30.9 46.3#



#8

Diethyl Ether

Concen: 6.967 ug/l

RT: 1.73 min Scan# 112

Delta R.T. 0.10 min

Lab File: VF061185.D

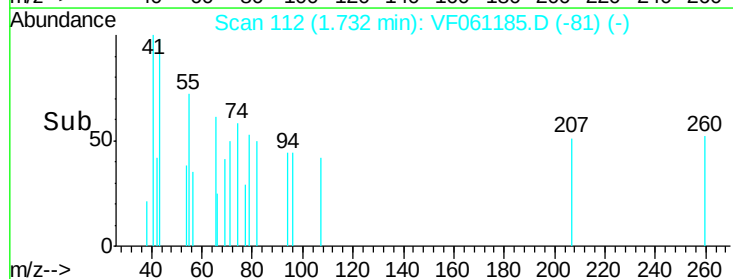
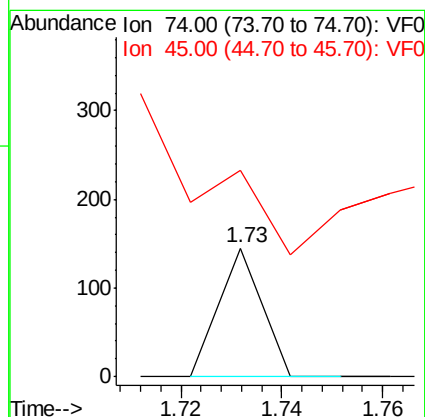
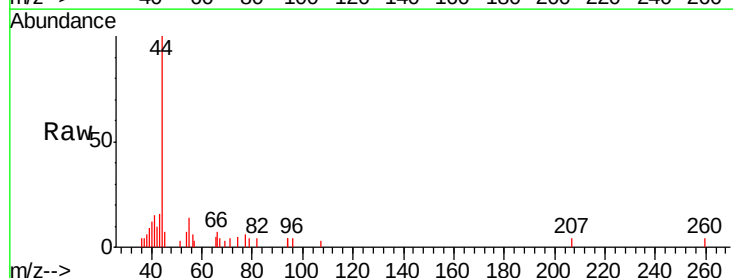
Acq: 26 Dec 2018 13:42

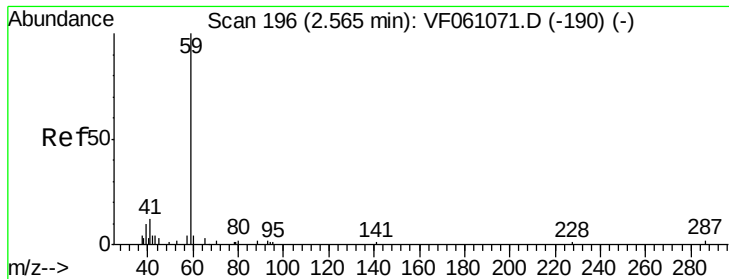
Tgt Ion: 74 Resp: 86

Ion Ratio Lower Upper

74 100

45 160.7 67.8 203.4

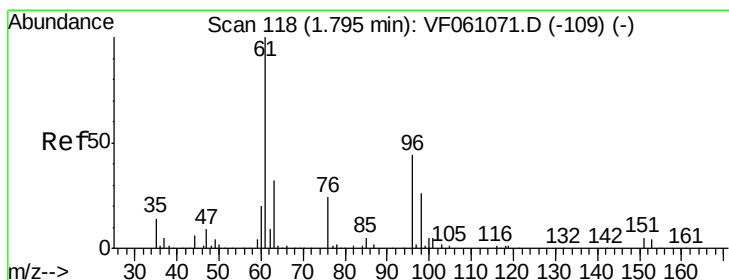
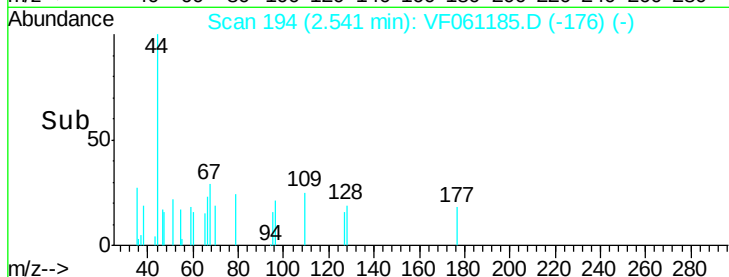
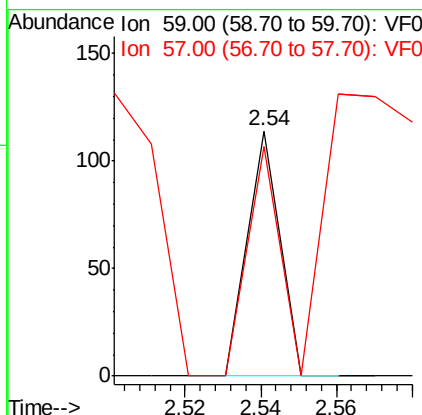
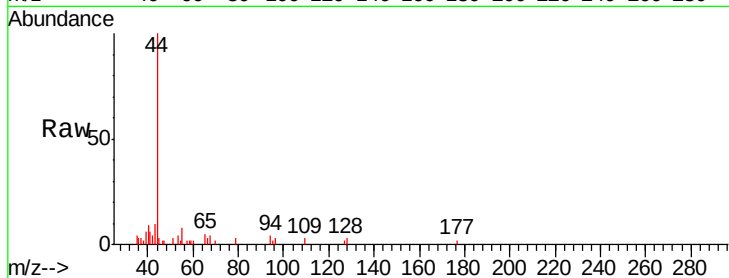




#11
Tert butyl alcohol
Concen: 32.296 ug/l
RT: 2.54 min Scan# 194
Delta R.T. -0.02 min
Lab File: VF061185.D
Acq: 26 Dec 2018 13:42

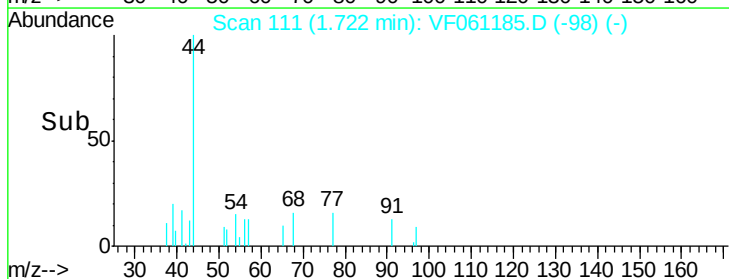
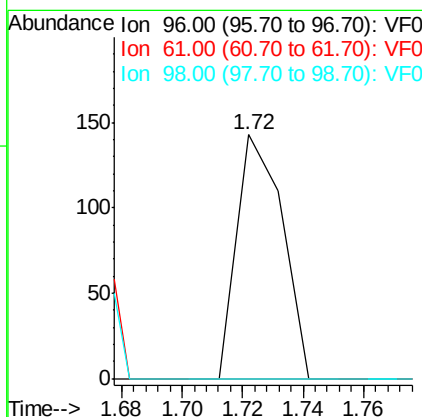
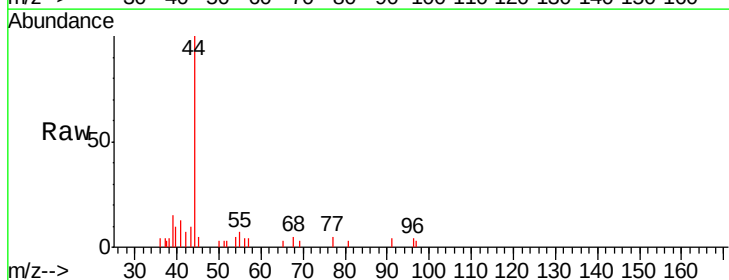
Instrument :
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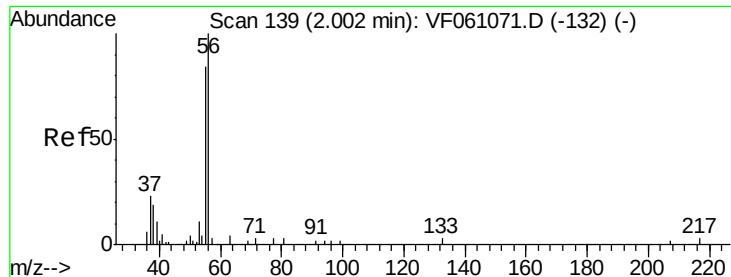
Tgt Ion: 59 Resp: 67
Ion Ratio Lower Upper
59 100
57 93.9 11.5 17.3#



#12
1,1-Dichloroethene
Concen: 4.257 ug/l
RT: 1.72 min Scan# 111
Delta R.T. -0.07 min
Lab File: VF061185.D
Acq: 26 Dec 2018 13:42

Tgt Ion: 96 Resp: 150
Ion Ratio Lower Upper
96 100
61 0.0 182.0 273.0#
98 0.0 46.5 69.7#





#13

Acrolein

Concen: 368.234 ug/l

RT: 1.95 min Scan# 134

Delta R.T. -0.05 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

Instrument :

MSVOA_F

ClientSampleId :

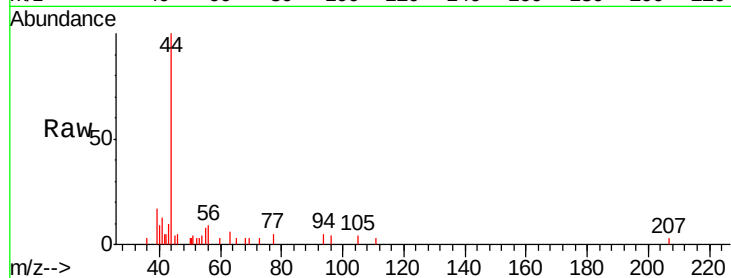
P001-SS024-1824-01

Tgt Ion: 56 Resp: 552

Ion Ratio Lower Upper

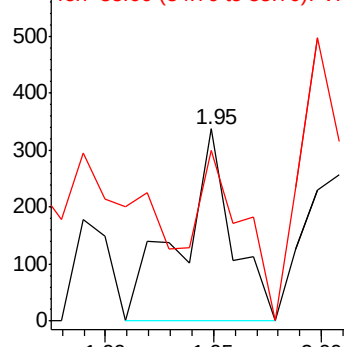
56 100

55 88.7 70.2 105.2

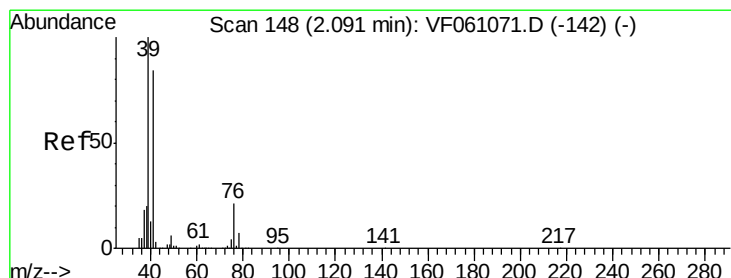
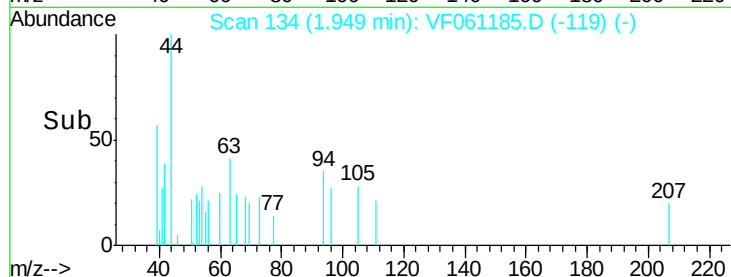


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->



#14

Allyl chloride

Concen: 11.700 ug/l

RT: 2.07 min Scan# 146

Delta R.T. -0.02 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

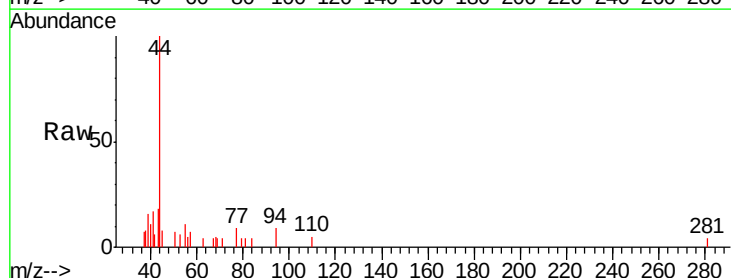
Tgt Ion: 41 Resp: 429

Ion Ratio Lower Upper

41 100

39 93.2 96.4 144.6#

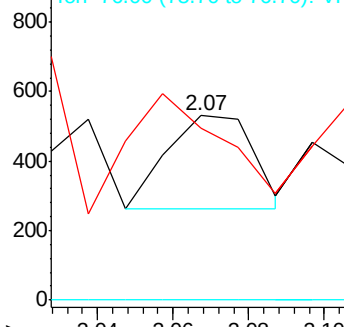
76 0.0 25.4 38.0#



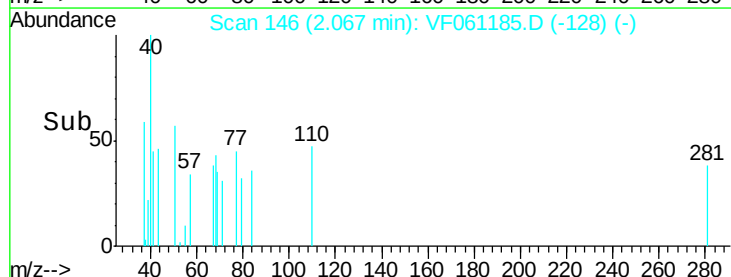
Abundance Ion 41.00 (40.70 to 41.70): VF0

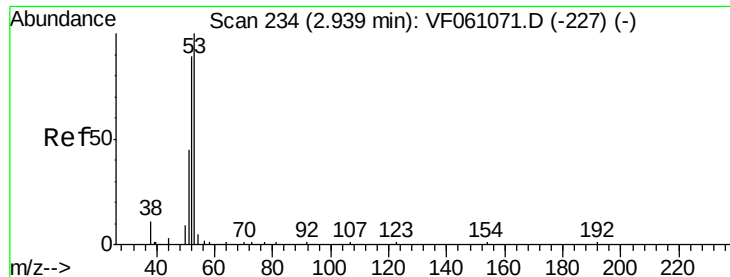
Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0



Time-->





#15

Acrylonitrile

Concen: 12.507 ug/l

RT: 2.95 min Scan# 236

Delta R.T. 0.02 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

Instrument :

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P001-SS024-1824-01

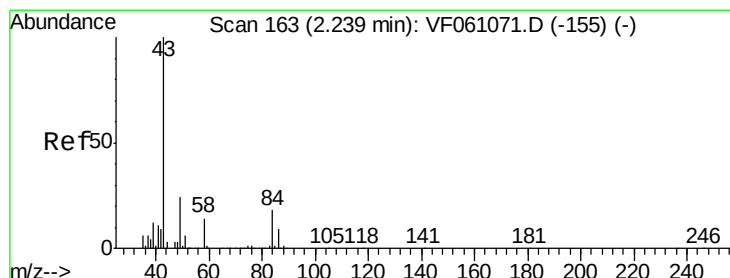
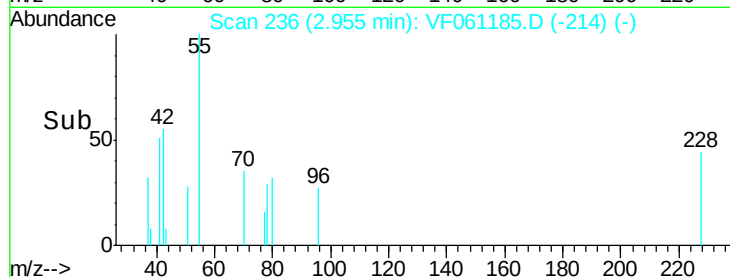
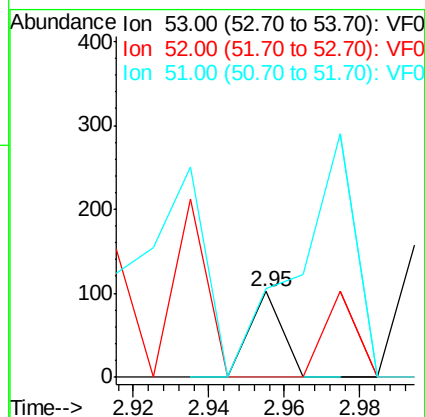
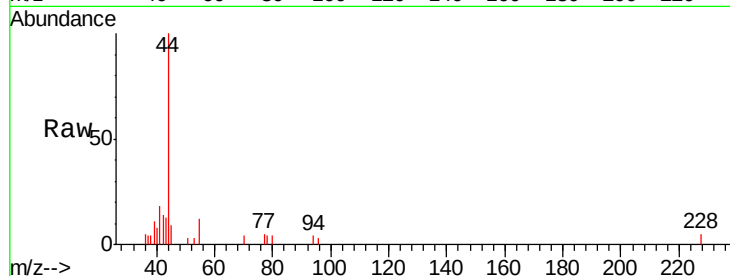
Tgt Ion: 53 Resp: 60

Ion Ratio Lower Upper

53 100

52 0.0 71.3 106.9#

51 103.9 36.8 55.2#



#16

Acetone

Concen: 58.188 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.02 min

Lab File: VF061185.D

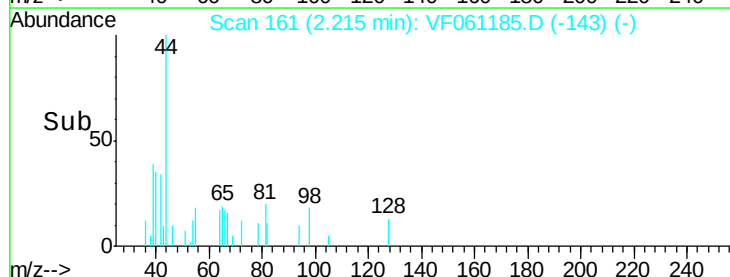
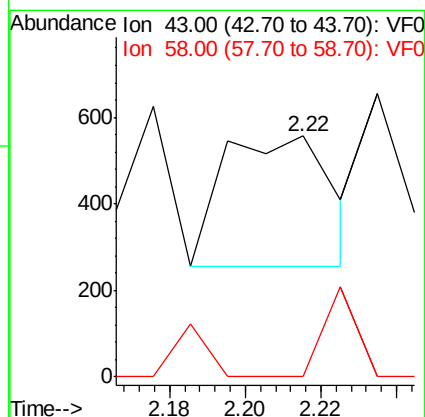
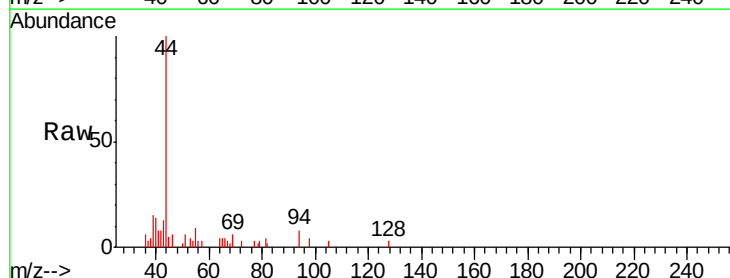
Acq: 26 Dec 2018 13:42

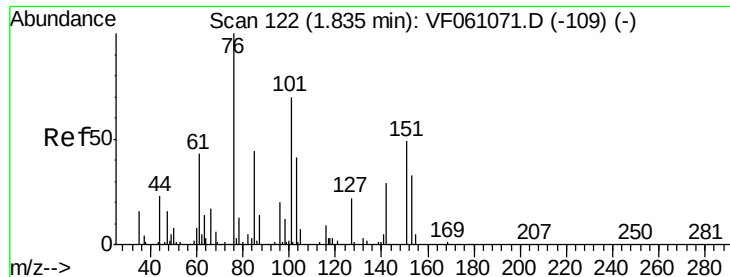
Tgt Ion: 43 Resp: 598

Ion Ratio Lower Upper

43 100

58 0.0 11.1 16.7#





#17

Carbon Disulfide

Concen: 1.249 ug/l

RT: 1.87 min Scan# 126

Delta R.T. 0.04 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

Instrument :

MSVOA_F

ClientSampleId :

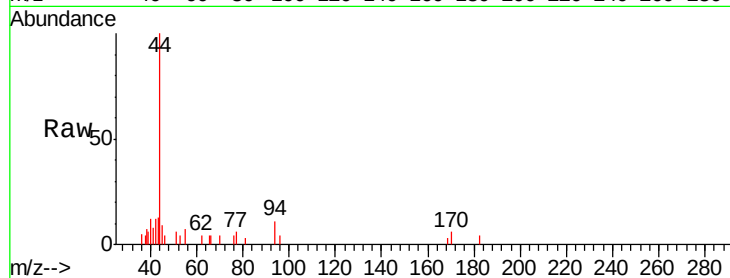
P001-SS024-1824-01

Tgt Ion: 76 Resp: 133

Ion Ratio Lower Upper

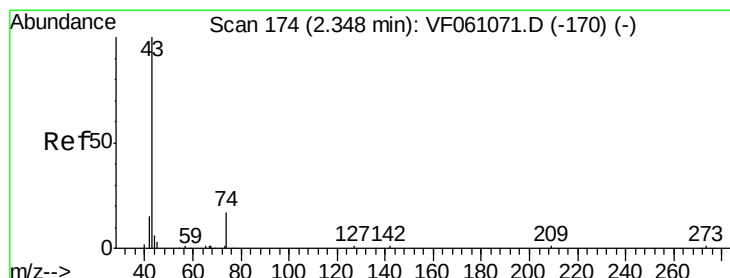
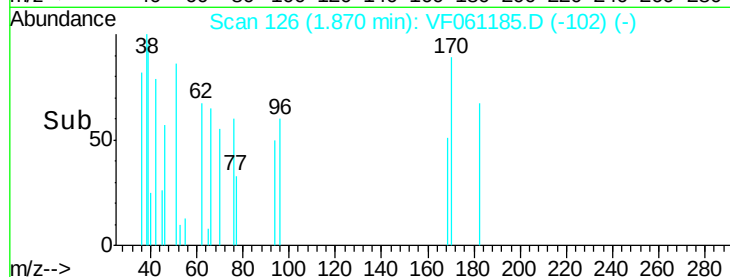
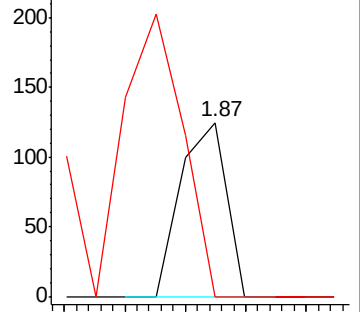
76 100

78 0.0 10.2 15.4#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 18.389 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.01 min

Lab File: VF061185.D

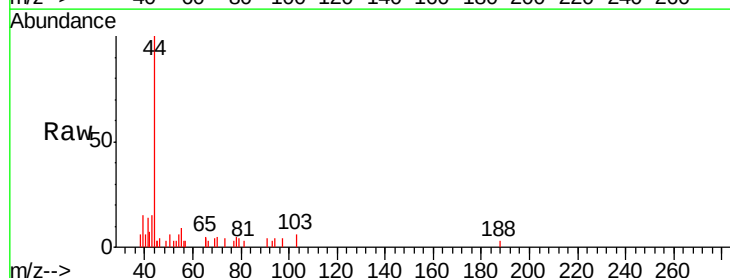
Acq: 26 Dec 2018 13:42

Tgt Ion: 43 Resp: 391

Ion Ratio Lower Upper

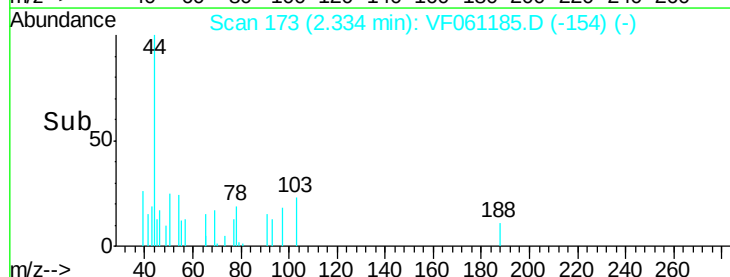
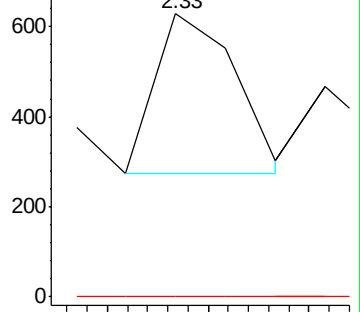
43 100

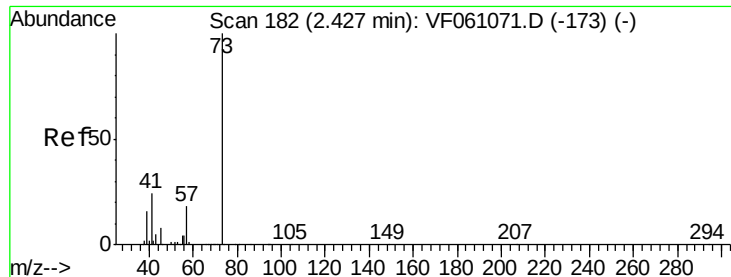
74 0.0 11.0 16.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#19

Methyl tert-butyl Ether

Concen: 1.202 ug/l

RT: 2.41 min Scan# 181

Delta R.T. -0.01 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

Instrument :

MSVOA_F

ClientSampleId :

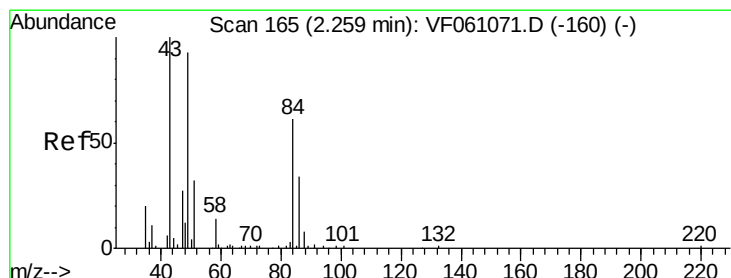
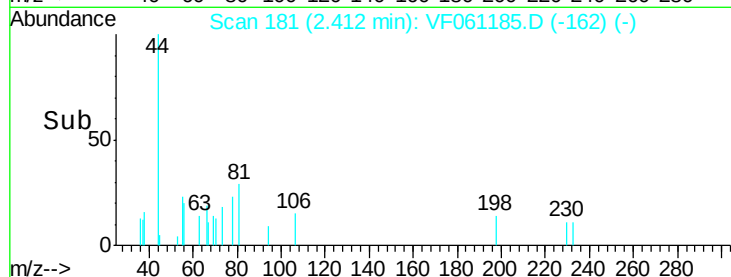
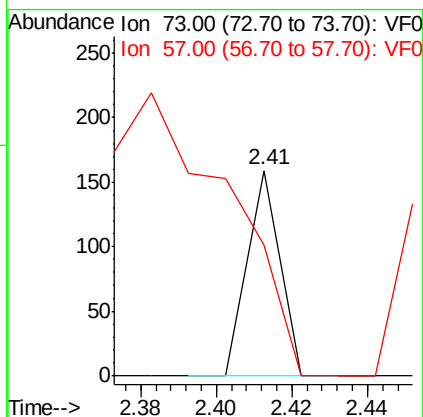
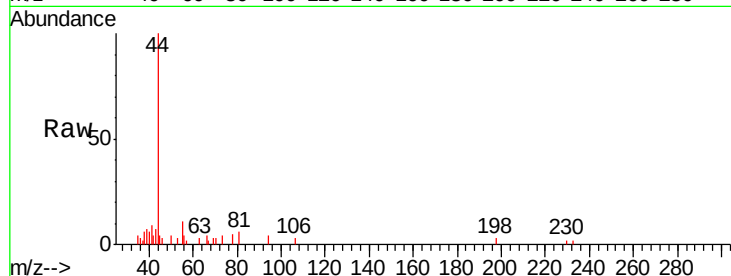
P001-SS024-1824-01

Tgt Ion: 73 Resp: 94

Ion Ratio Lower Upper

73 100

57 63.5 14.5 21.7#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.21 min Scan# 160

Delta R.T. -0.05 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

Tgt Ion: 84 Resp: 61

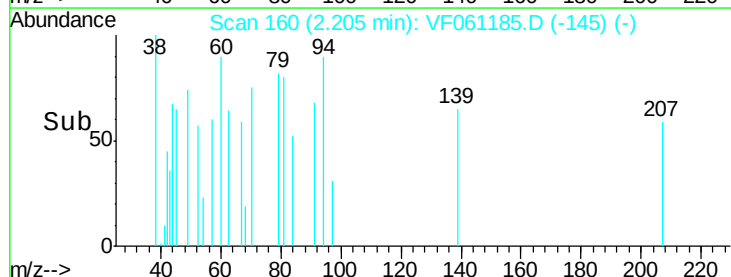
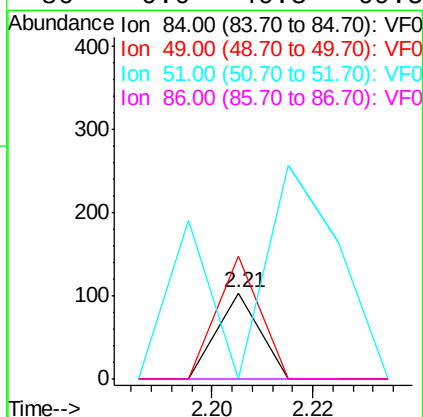
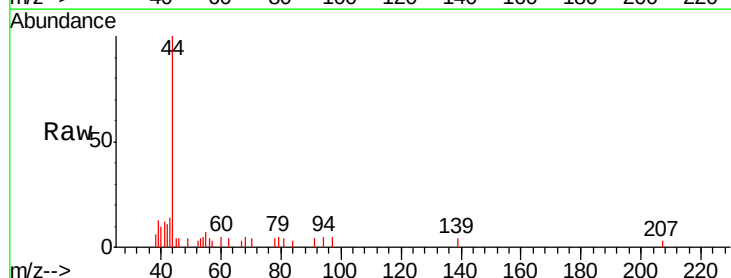
Ion Ratio Lower Upper

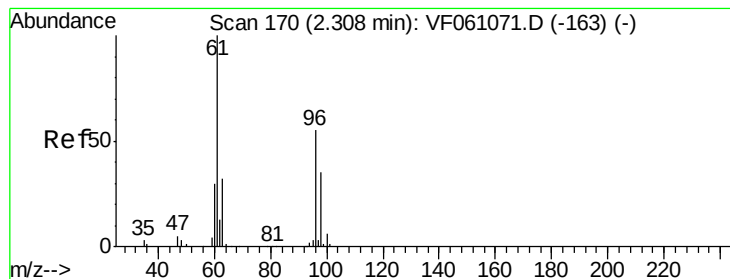
84 100

49 143.7 129.4 194.2

51 0.0 44.0 66.0#

86 0.0 46.3 69.5#





#21

trans-1,2-Dichloroethene

Concen: 2.017 ug/l

RT: 2.27 min Scan# 167

Delta R.T. -0.03 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

Instrument :

MSVOA_F

ClientSampleId :

P001-SS024-1824-01

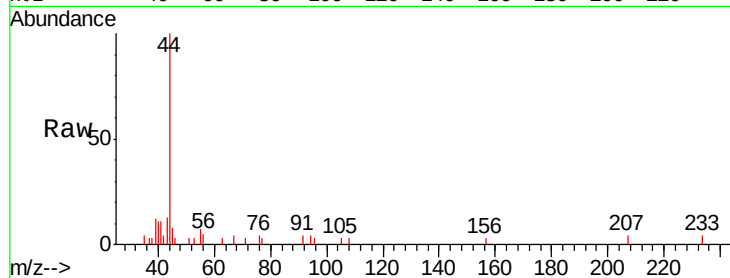
Tgt Ion: 96 Resp: 76

Ion Ratio Lower Upper

96 100

61 0.0 146.0 219.0#

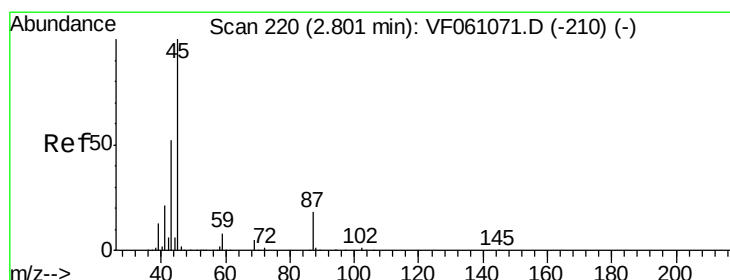
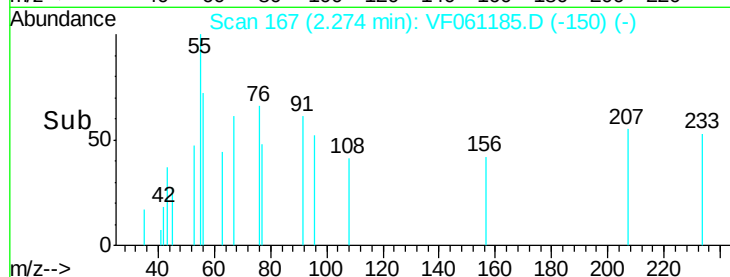
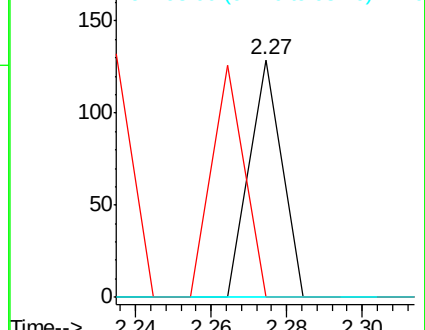
98 0.0 51.6 77.4#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 1.809 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.00 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

Tgt Ion: 45 Resp: 221

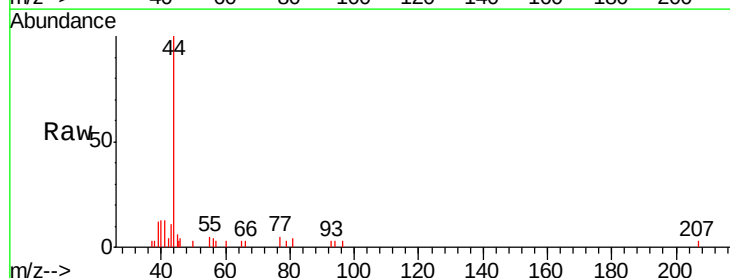
Ion Ratio Lower Upper

45 100

43 131.2 42.2 63.2#

87 0.0 14.6 22.0#

59 0.0 7.0 10.4#

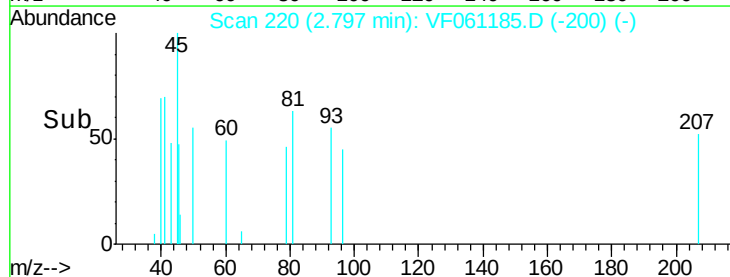
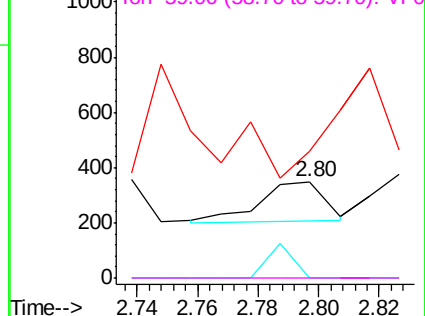


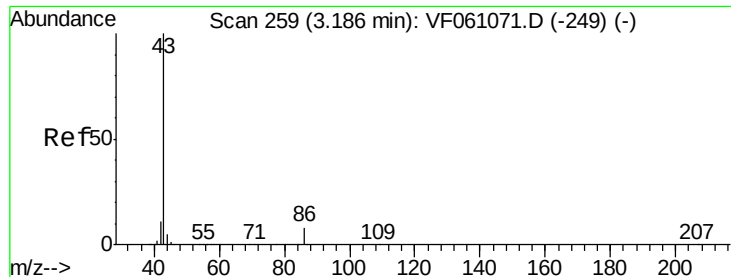
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 11.110 ug/l

RT: 3.19 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

Instrument :

MSVOA_F

ClientSampleId :

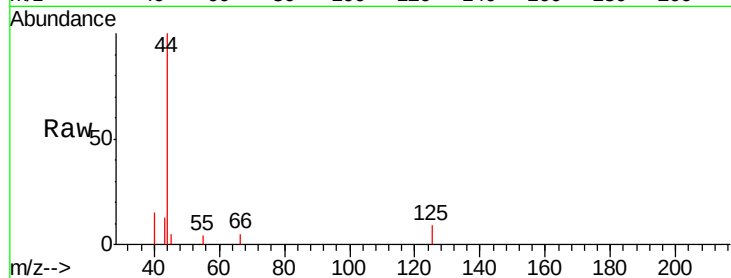
P001-SS024-1824-01

Tgt Ion: 43 Resp: 626

Ion Ratio Lower Upper

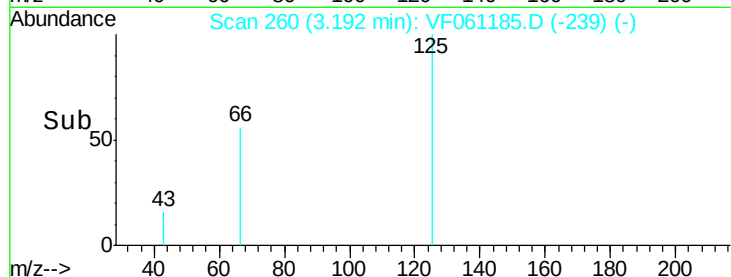
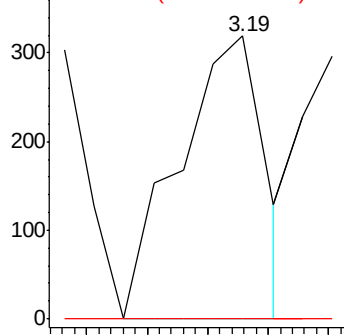
43 100

86 0.0 6.3 9.5#

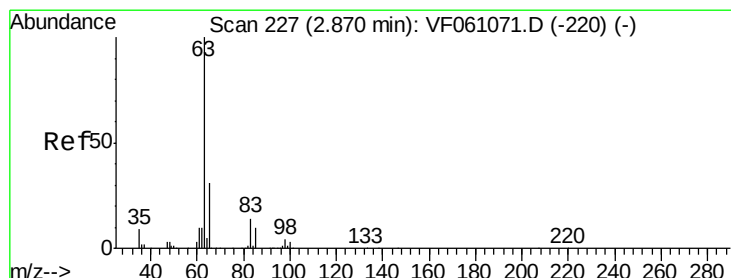


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time-->



#24

1,1-Dichloroethane

Concen: 2.460 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

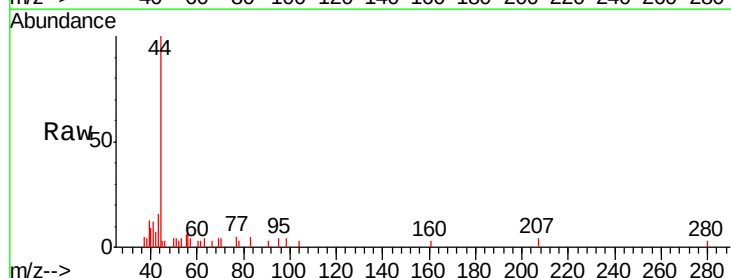
Tgt Ion: 63 Resp: 178

Ion Ratio Lower Upper

63 100

98 91.6 2.1 6.5#

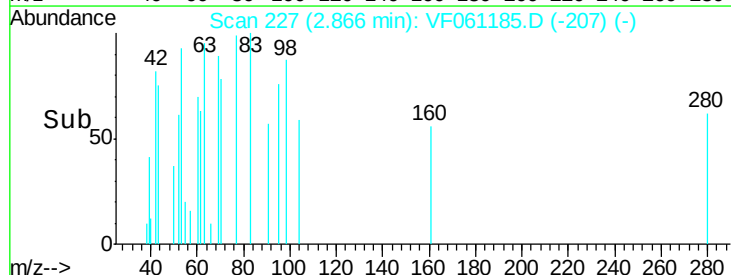
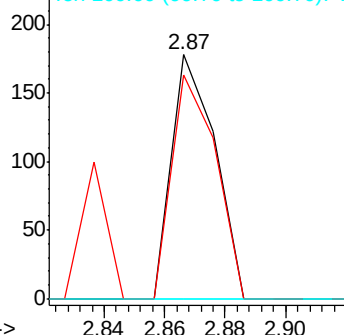
100 0.0 1.7 5.1#



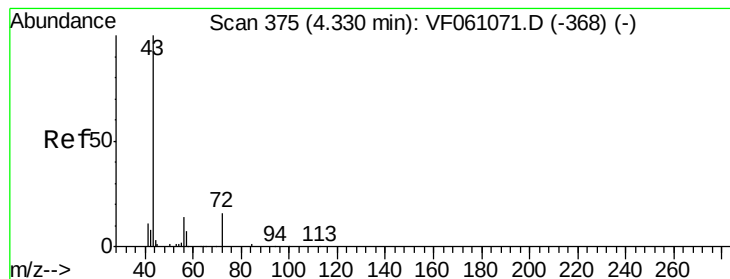
Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->



#25

2-Butanone

Concen: 12.119 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.03 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

Instrument :

MSVOA_F

ClientSampleId :

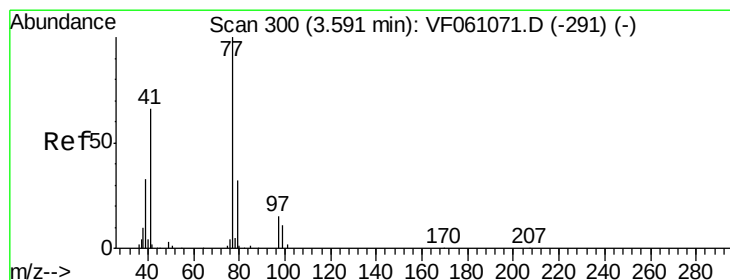
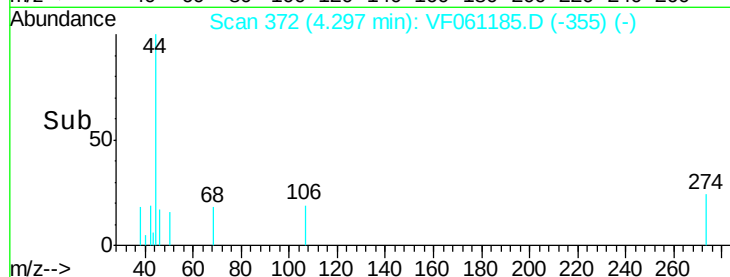
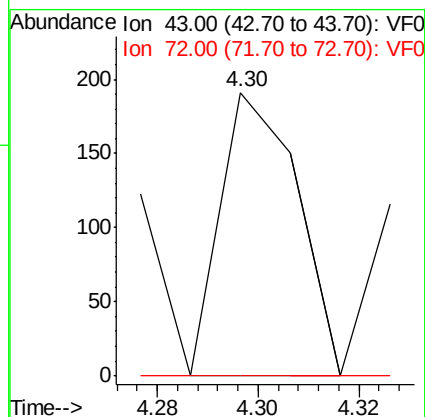
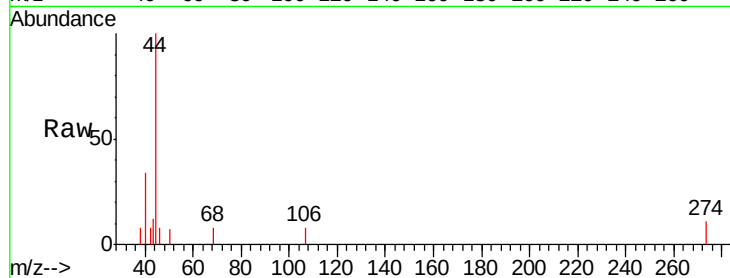
P001-SS024-1824-01

Tgt Ion: 43 Resp: 202

Ion Ratio Lower Upper

43 100

72 0.0 15.6 23.4#



#26

2,2-Dichloropropane

Concen: 1.469 ug/l

RT: 3.41 min Scan# 282

Delta R.T. -0.18 min

Lab File: VF061185.D

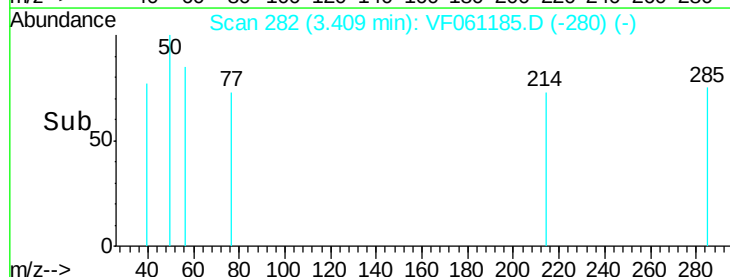
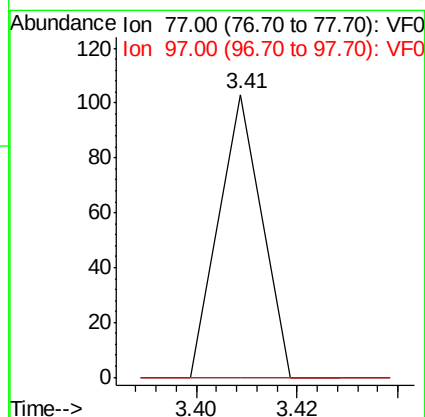
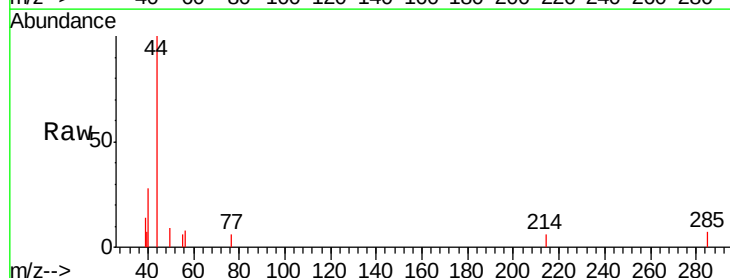
Acq: 26 Dec 2018 13:42

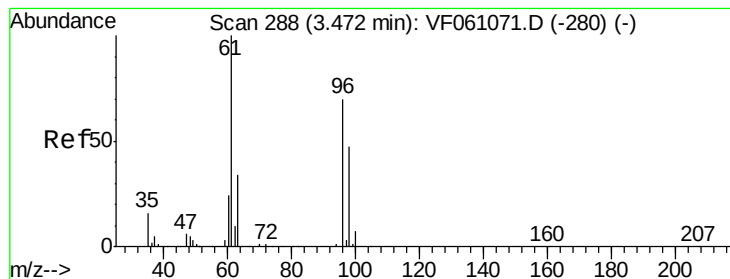
Tgt Ion: 77 Resp: 61

Ion Ratio Lower Upper

77 100

97 0.0 8.2 24.4#





#27

cis-1,2-Dichloroethene

Concen: 1.317 ug/l

RT: 3.45 min Scan# 286

Delta R.T. -0.02 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

Instrument :

MSVOA_F

ClientSampleId :

P001-SS024-1824-01

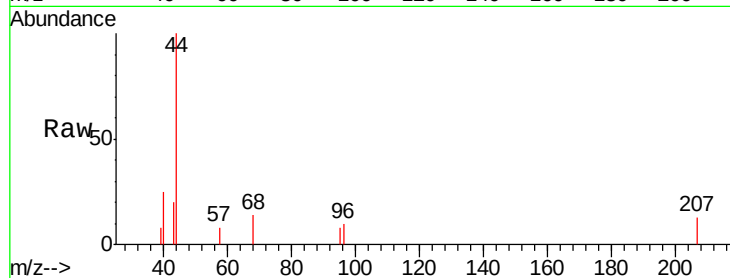
Tgt Ion: 96 Resp: 76

Ion Ratio Lower Upper

96 100

61 0.0 0.0 287.8

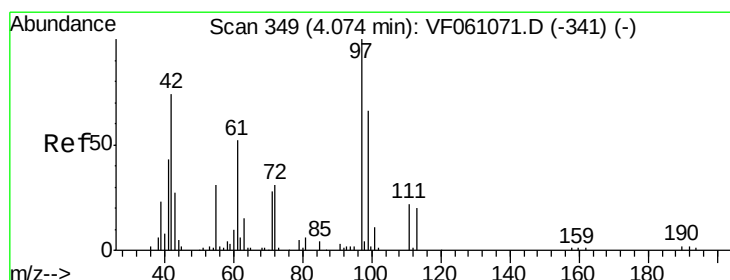
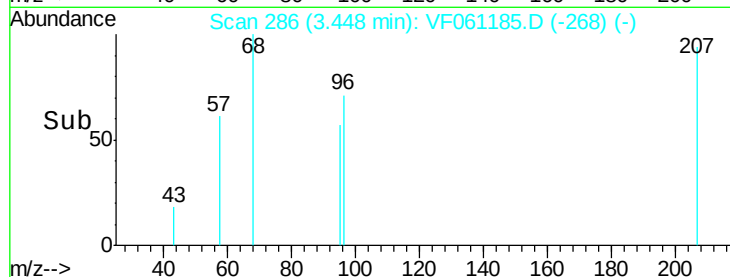
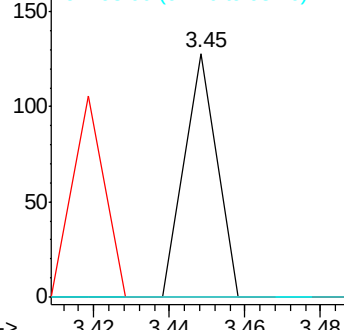
98 0.0 0.0 134.2



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: 10.761 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.01 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

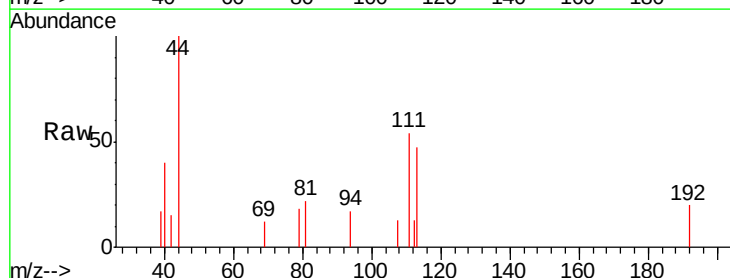
Tgt Ion: 42 Resp: 73

Ion Ratio Lower Upper

42 100

72 0.0 31.8 47.8#

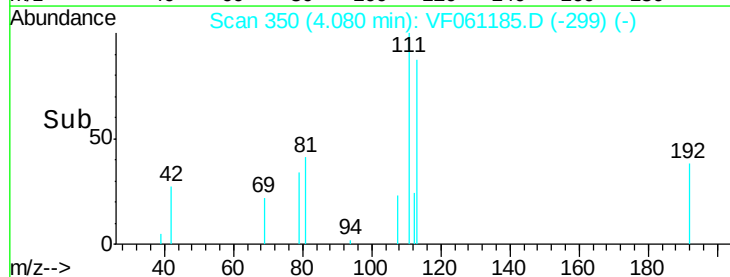
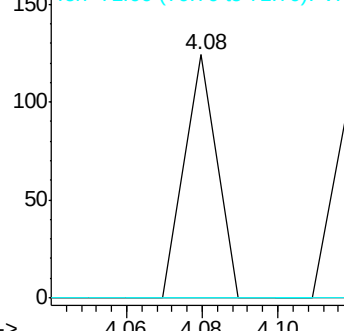
71 0.0 29.7 44.5#

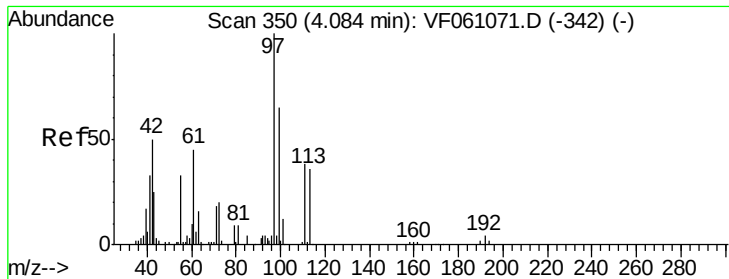


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0





#32

1,1,1-Trichloroethane

Concen: 1.276 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.03 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

Instrument :

MSVOA_F

ClientSampleId :

P001-SS024-1824-01

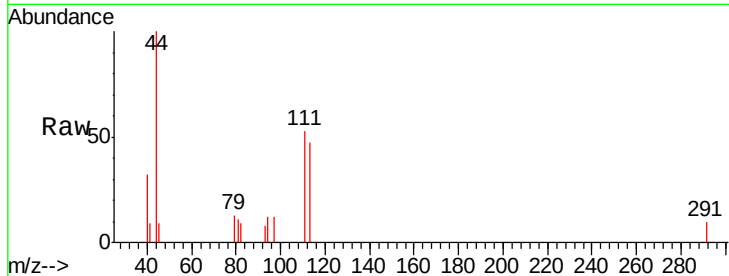
Tgt Ion: 97 Resp: 83

Ion Ratio Lower Upper

97 100

99 0.0 51.6 77.4#

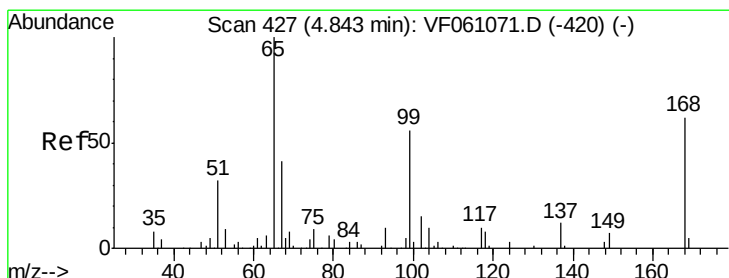
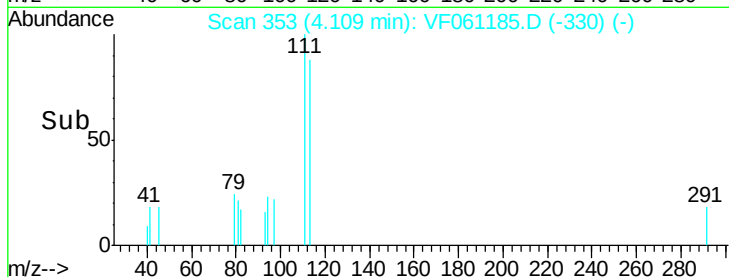
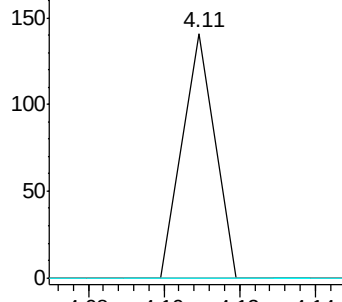
61 0.0 36.2 54.2#



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: 23.868 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.01 min

Lab File: VF061185.D

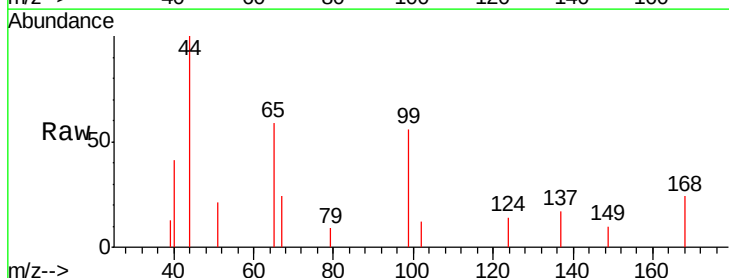
Acq: 26 Dec 2018 13:42

Tgt Ion: 65 Resp: 1227

Ion Ratio Lower Upper

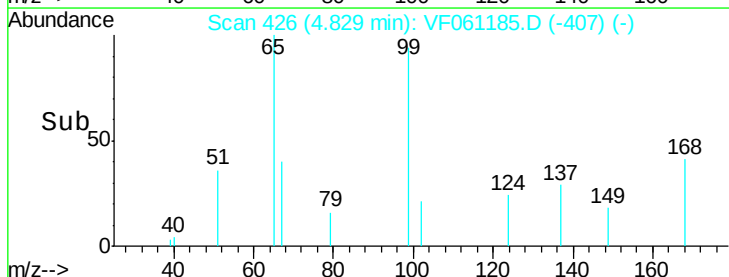
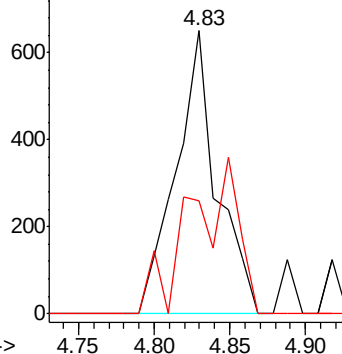
65 100

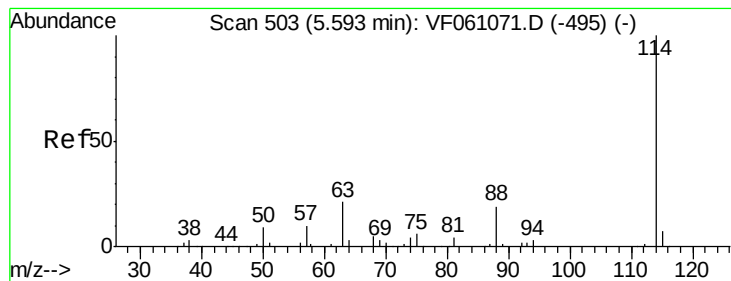
67 39.8 0.0 94.6



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. -0.01 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

Instrument :

MSVOA_F

ClientSampleId :

P001-SS024-1824-01

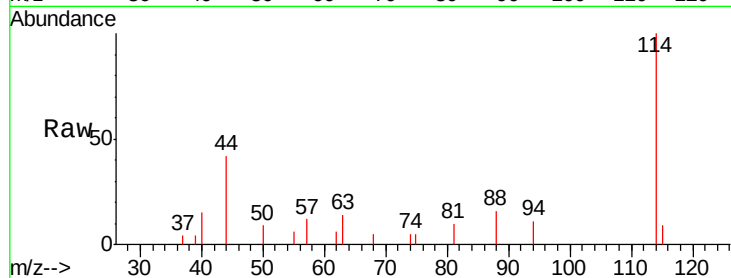
Tgt Ion:114 Resp: 6550

Ion Ratio Lower Upper

114 100

63 13.8 0.0 41.6

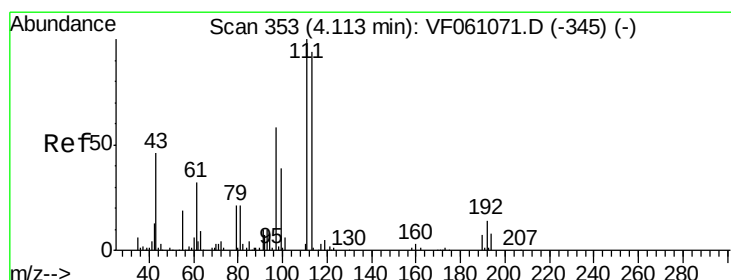
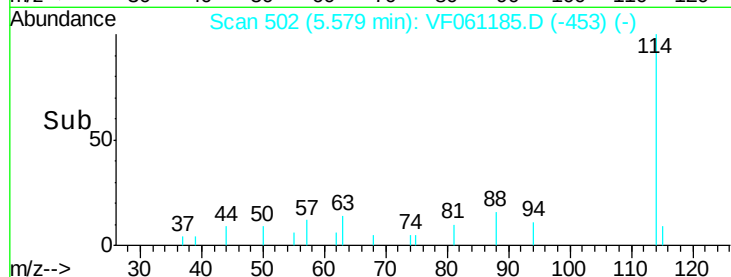
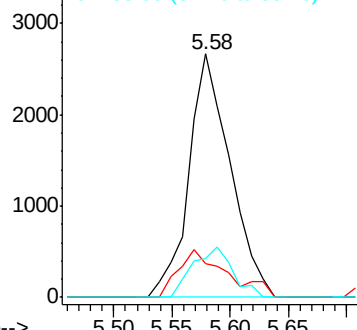
88 16.0 0.0 38.0



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: 34.935 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

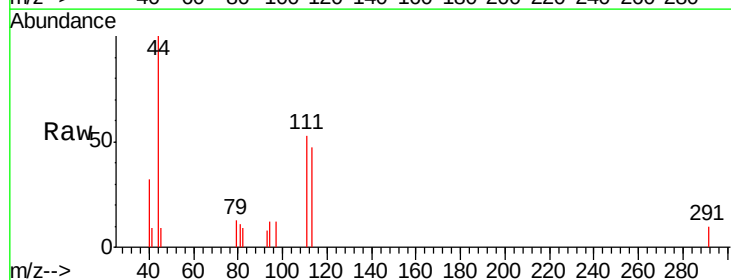
Tgt Ion:113 Resp: 1833

Ion Ratio Lower Upper

113 100

111 113.2 85.2 127.8

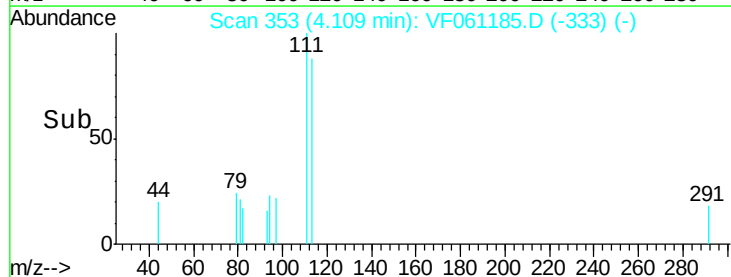
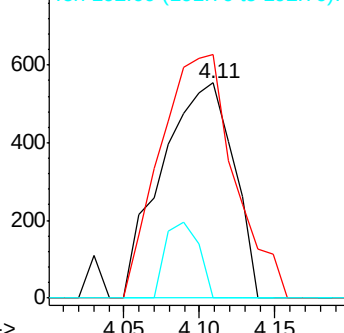
192 0.0 12.8 19.2#

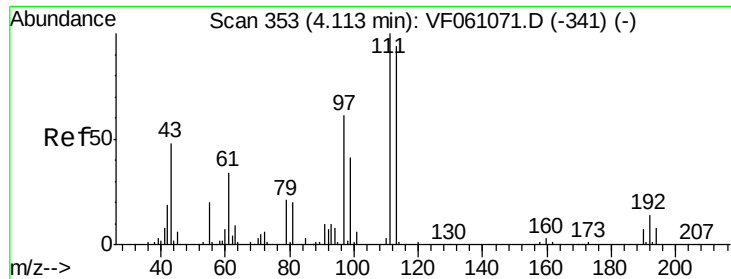


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

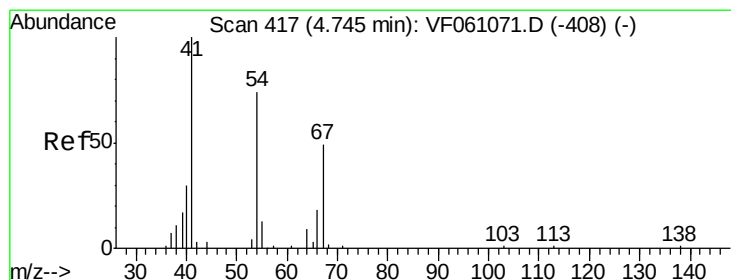
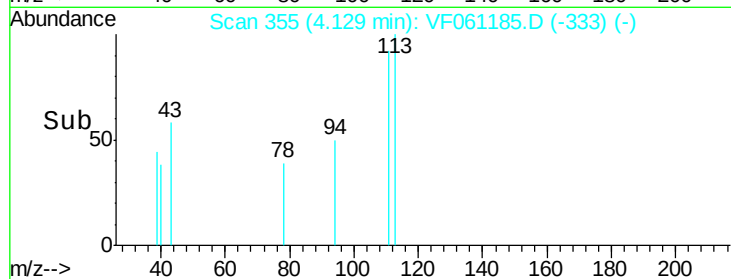
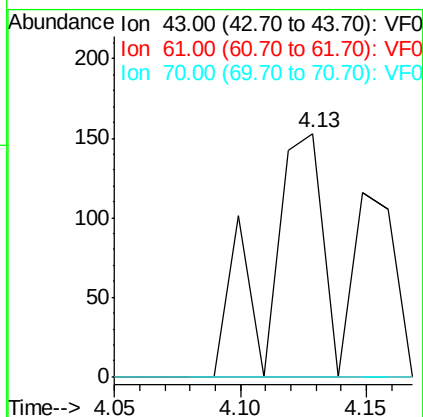
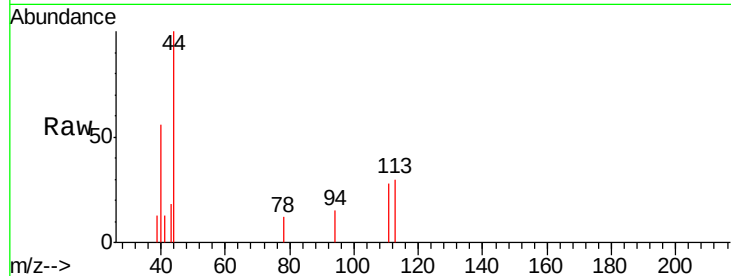




#37
Ethyl Acetate
Concen: 6.481 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.02 min
Lab File: VF061185.D
Acq: 26 Dec 2018 13:42

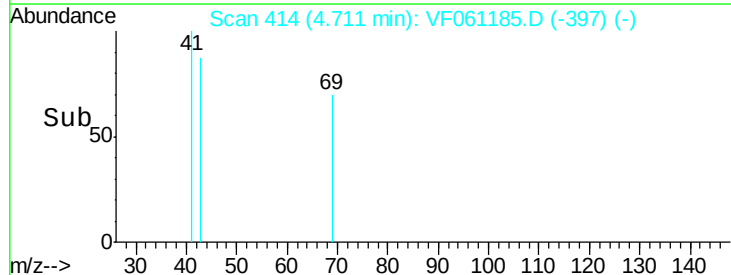
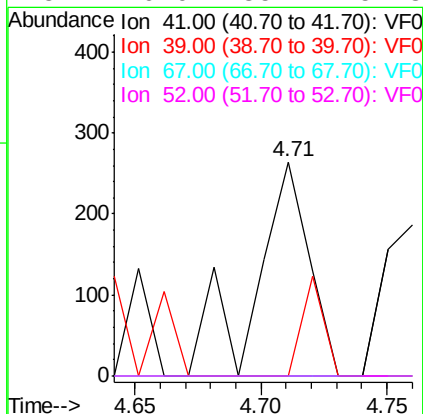
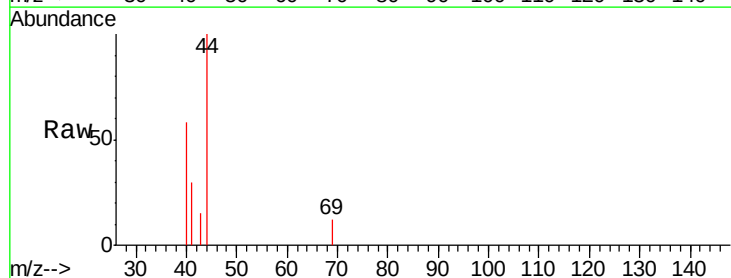
Instrument :
MSVOA_F
ClientSampleId :
P001-SS024-1824-01

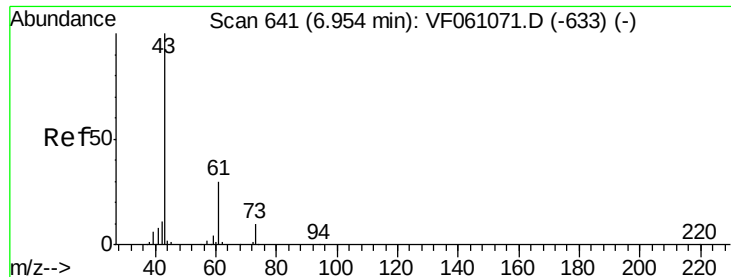
Tgt Ion: 43 Resp: 234
Ion Ratio Lower Upper
43 100
61 0.0 56.6 84.8#
70 0.0 6.3 9.5#



#41
Methacrylonitrile
Concen: 23.776 ug/l
RT: 4.71 min Scan# 414
Delta R.T. -0.03 min
Lab File: VF061185.D
Acq: 26 Dec 2018 13:42

Tgt Ion: 41 Resp: 397
Ion Ratio Lower Upper
41 100
39 0.0 45.7 68.5#
67 0.0 38.9 58.3#
52 0.0 35.2 52.8#

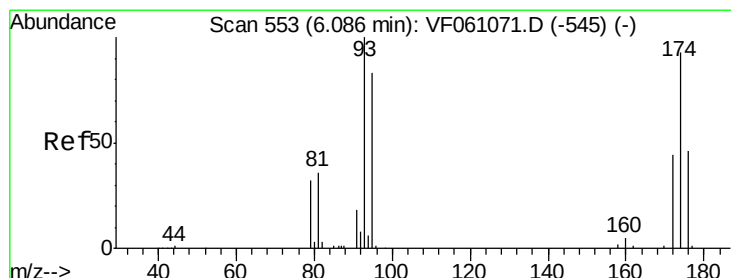
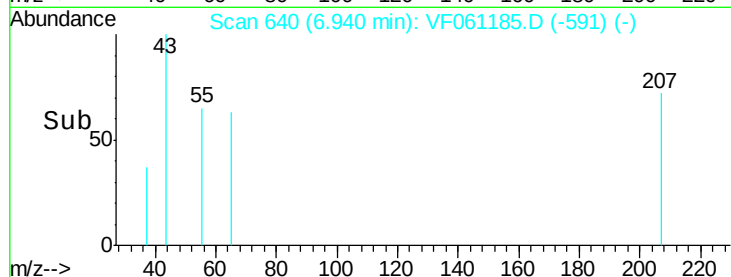
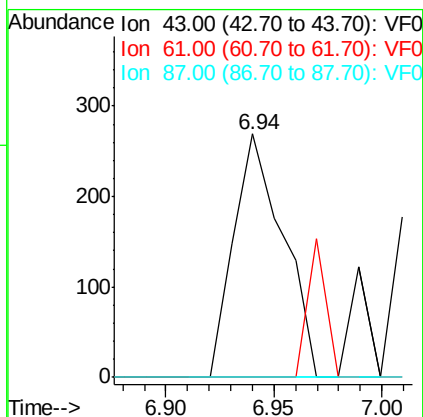
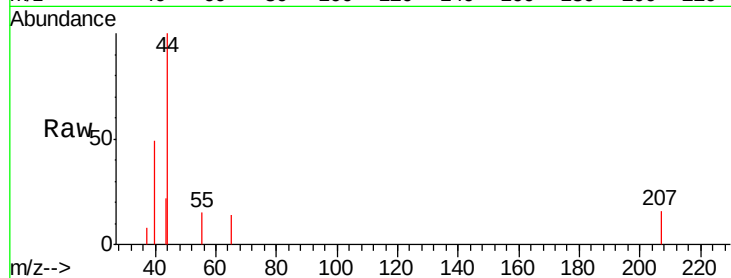




#43
Isopropyl Acetate
Concen: 11.211 ug/l
RT: 6.94 min Scan# 640
Delta R.T. -0.01 min
Lab File: VF061185.D
Acq: 26 Dec 2018 13:42

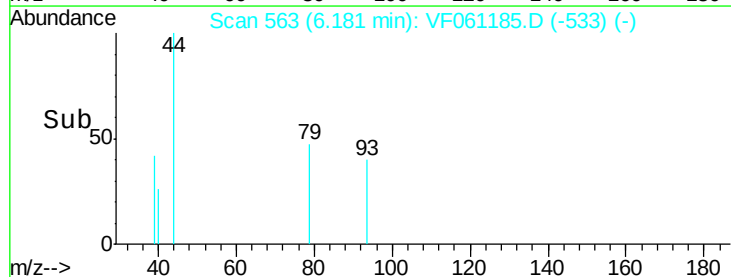
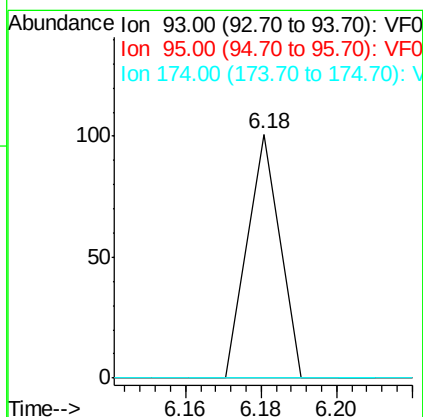
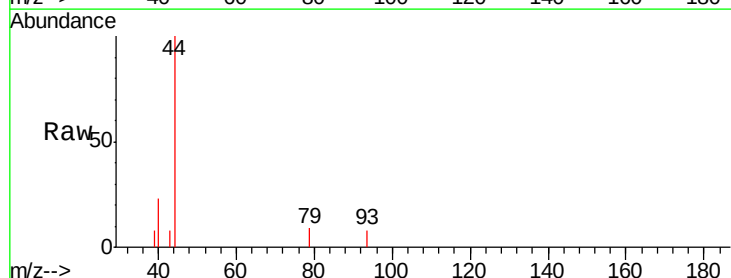
Instrument :
MSVOA_F
ClientSampleId :
P001-SS024-1824-01

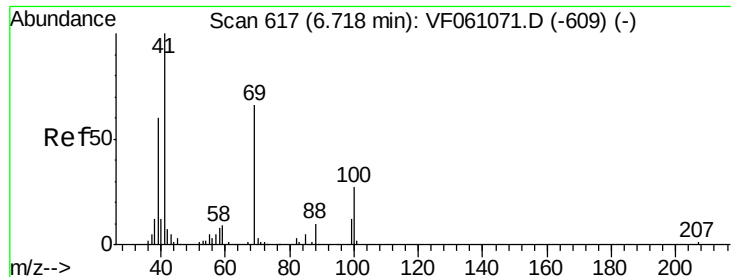
Tgt Ion: 43 Resp: 428
Ion Ratio Lower Upper
43 100
61 0.0 23.8 35.8#
87 0.0 0.0 0.0



#46
Dibromomethane
Concen: 2.000 ug/l
RT: 6.18 min Scan# 563
Delta R.T. 0.09 min
Lab File: VF061185.D
Acq: 26 Dec 2018 13:42

Tgt Ion: 93 Resp: 60
Ion Ratio Lower Upper
93 100
95 0.0 66.9 100.3#
174 0.0 74.1 111.1#





#48

Methyl methacrylate

Concen: 3.602 ug/l

RT: 6.68 min Scan# 614

Delta R.T. -0.03 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

Instrument :

MSVOA_F

ClientSampleId :

P001-SS024-1824-01

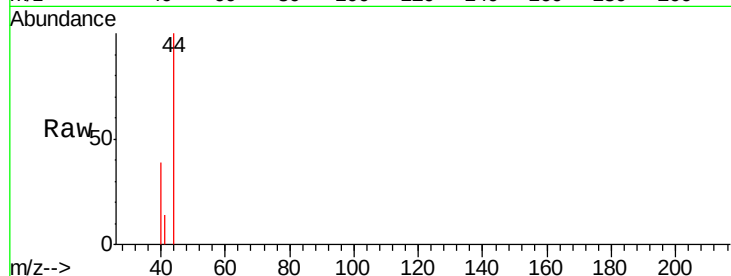
Tgt Ion: 41 Resp: 96

Ion Ratio Lower Upper

41 100

69 0.0 52.7 79.1#

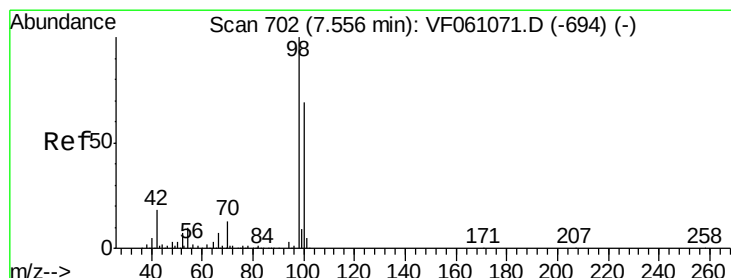
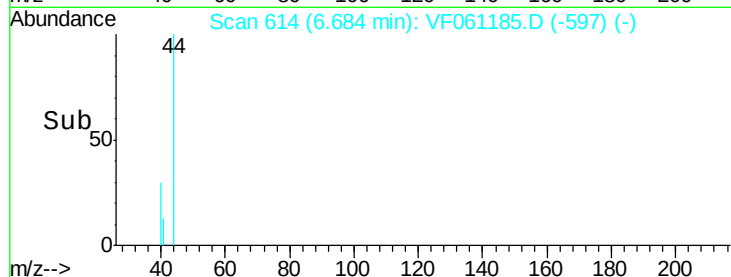
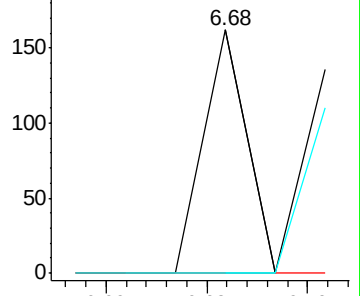
39 0.0 47.8 71.6#



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: 43.304 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF061185.D

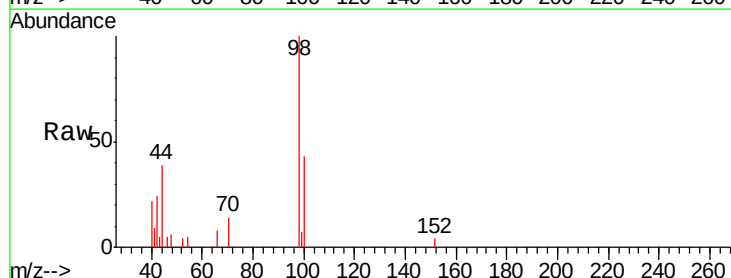
Acq: 26 Dec 2018 13:42

Tgt Ion: 98 Resp: 6439

Ion Ratio Lower Upper

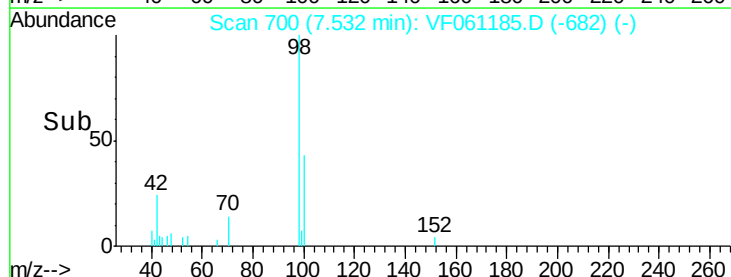
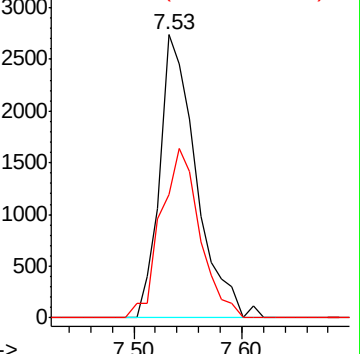
98 100

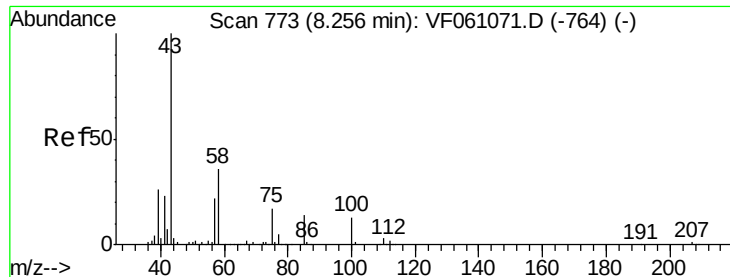
100 43.4 55.3 82.9#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 2.444 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.00 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

Instrument :

MSVOA_F

ClientSampleId :

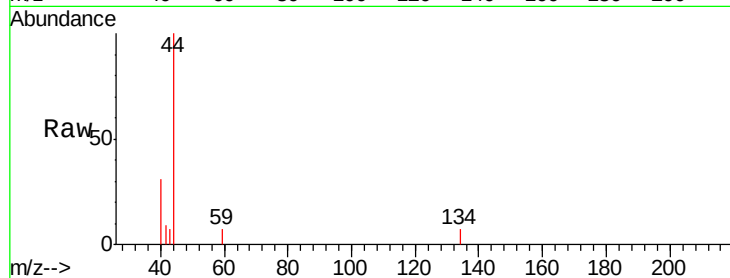
P001-SS024-1824-01

Tgt Ion: 43 Resp: 64

Ion Ratio Lower Upper

43 100

58 0.0 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150

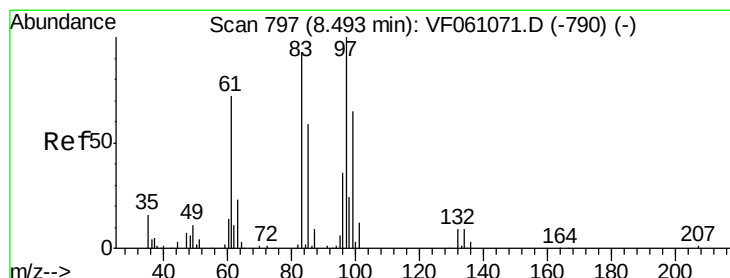
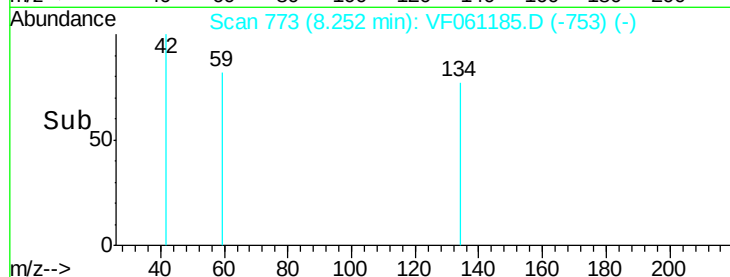
100

50

0

8.24 8.25 8.26

Time-->



#55

1,1,2-Trichloroethane

Concen: 1.897 ug/l

RT: 8.61 min Scan# 809

Delta R.T. 0.11 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

Tgt Ion: 97 Resp: 64

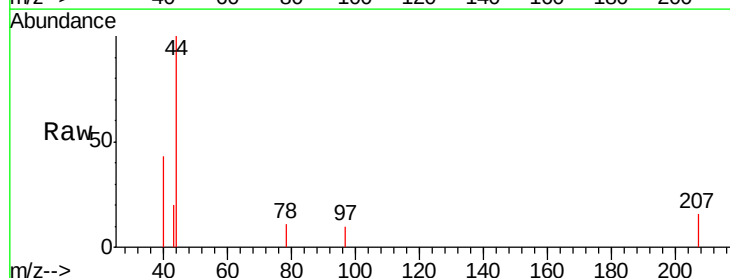
Ion Ratio Lower Upper

97 100

83 0.0 75.0 112.4#

85 0.0 47.5 71.3#

99 0.0 51.9 77.9#



Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0

150

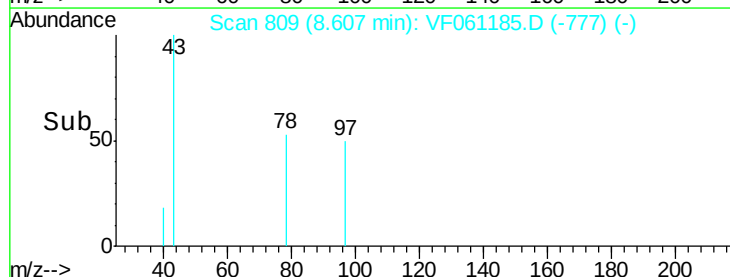
100

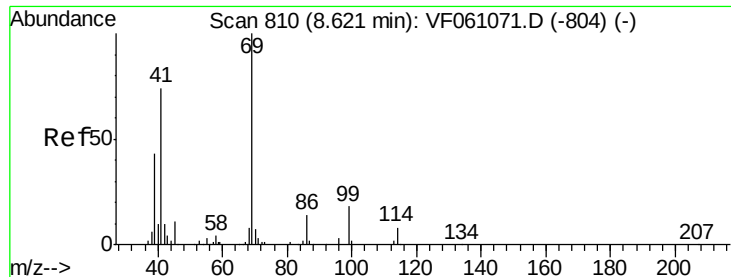
50

0

8.58 8.60 8.62

Time-->





#56

Ethyl methacrylate

Concen: 1.643 ug/l

RT: 8.52 min Scan# 800

Delta R.T. -0.10 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

Instrument :

MSVOA_F

ClientSampleId :

P001-SS024-1824-01

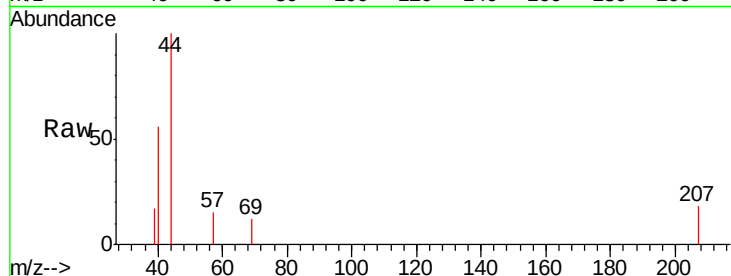
Tgt Ion: 69 Resp: 60

Ion Ratio Lower Upper

69 100

41 0.0 59.7 89.5#

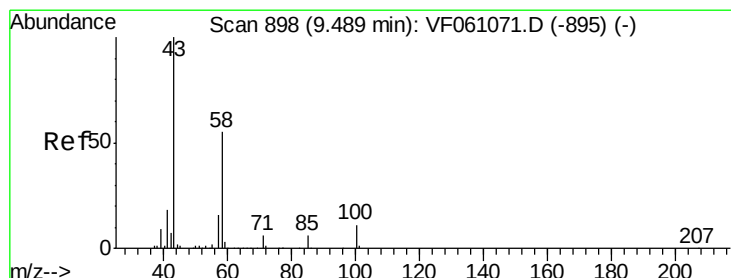
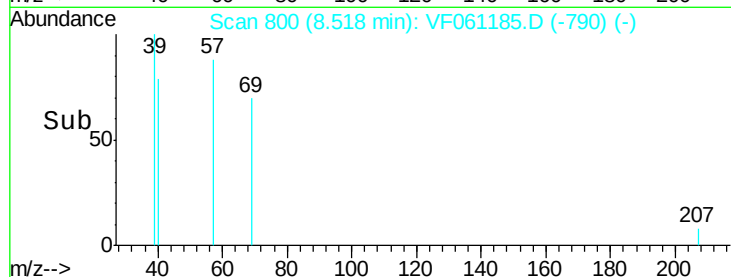
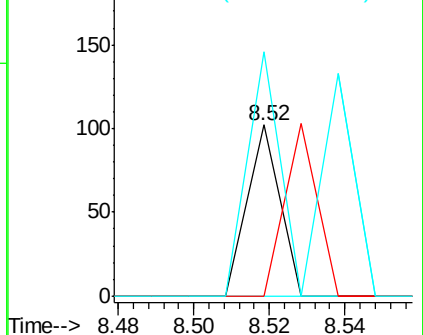
39 143.1 35.0 52.6#



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: 10.933 ug/l

RT: 9.44 min Scan# 893

Delta R.T. -0.05 min

Lab File: VF061185.D

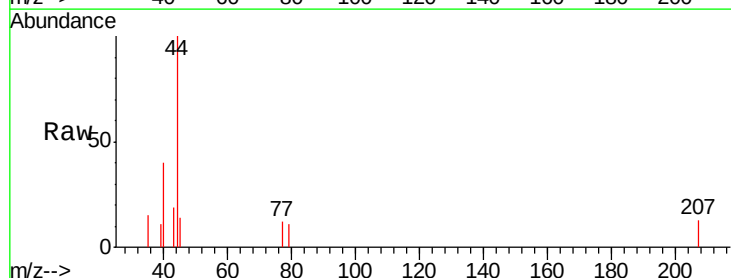
Acq: 26 Dec 2018 13:42

Tgt Ion: 43 Resp: 207

Ion Ratio Lower Upper

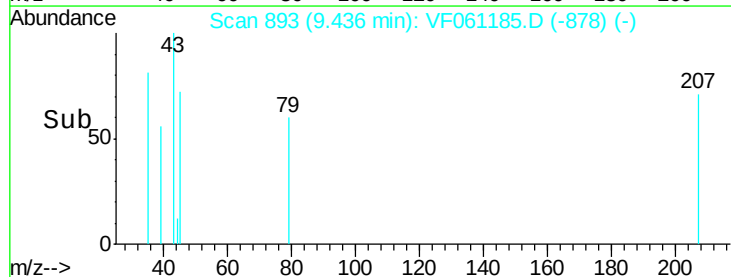
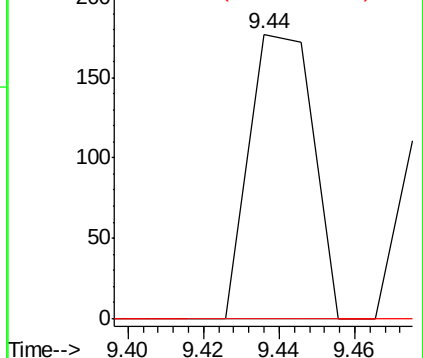
43 100

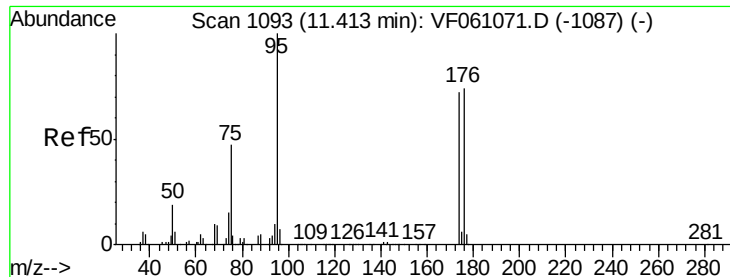
58 0.0 25.1 75.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 19.884 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

Instrument :

MSVOA_F

ClientSampleId :

P001-SS024-1824-01

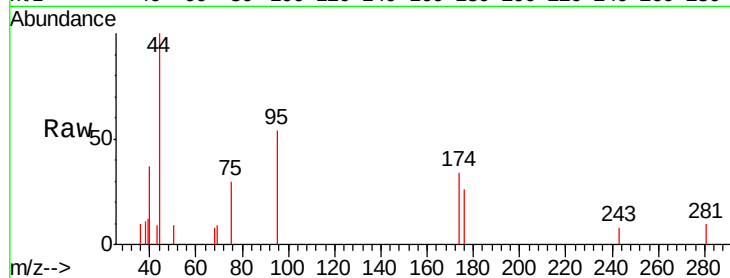
Tgt Ion: 95 Resp: 1363

Ion Ratio Lower Upper

95 100

174 63.6 0.0 143.8

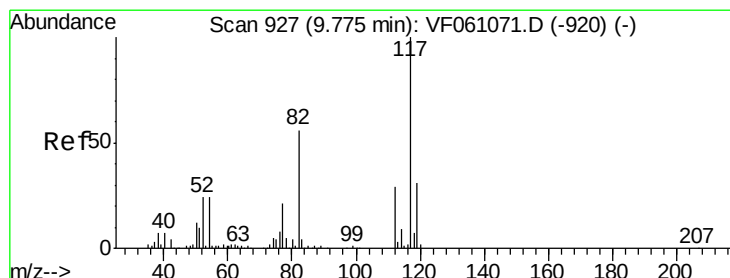
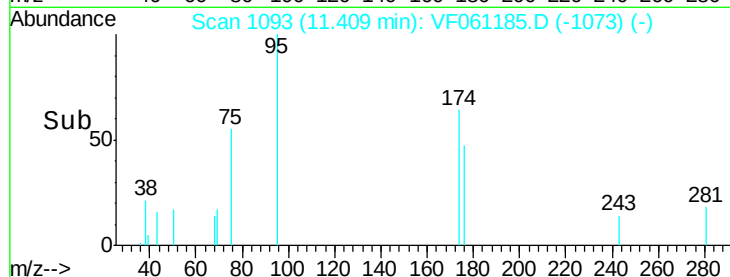
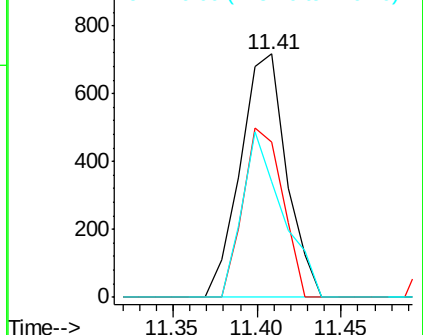
176 47.4 0.0 147.6



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.01 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

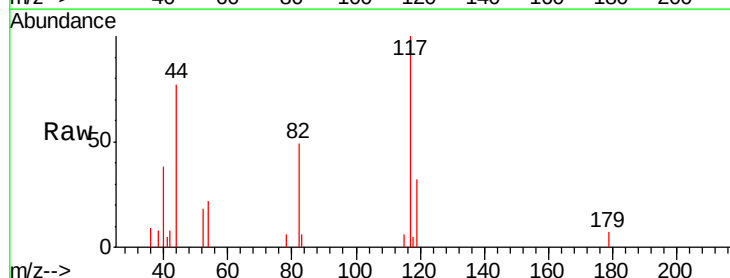
Tgt Ion: 117 Resp: 3884

Ion Ratio Lower Upper

117 100

82 49.1 45.0 67.4

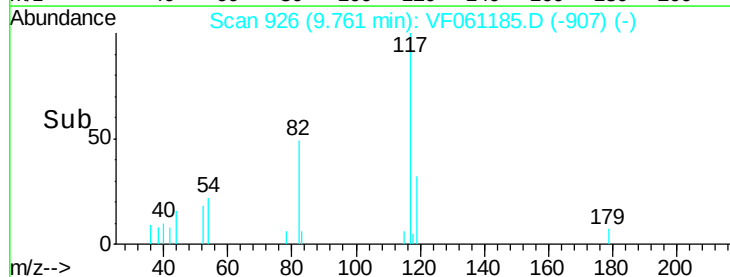
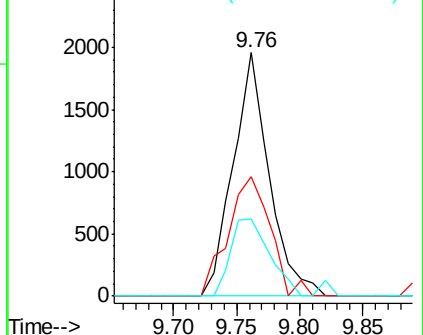
119 31.5 24.8 37.2

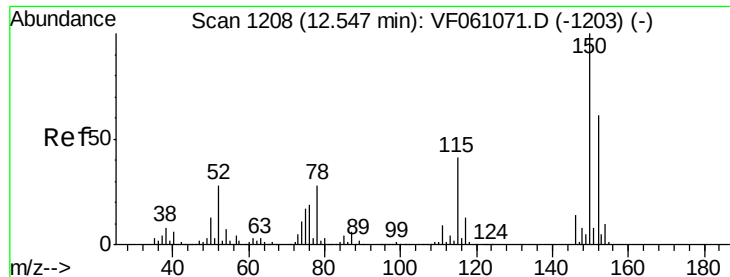


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

Instrument :

MSVOA_F

ClientSampleId :

P001-SS024-1824-01

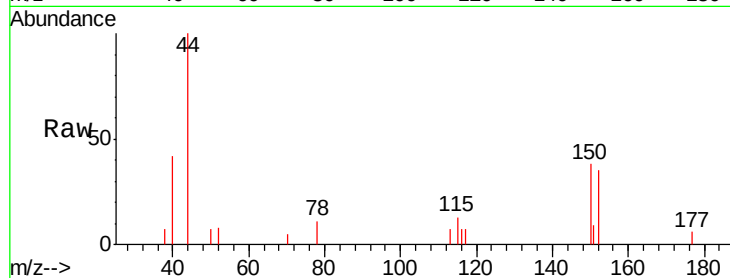
Tgt Ion:152 Resp: 745

Ion Ratio Lower Upper

152 100

115 36.2 33.3 99.9

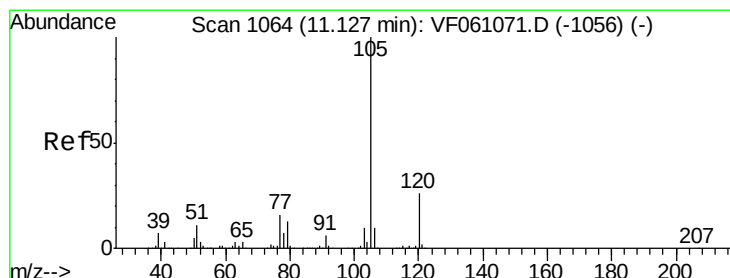
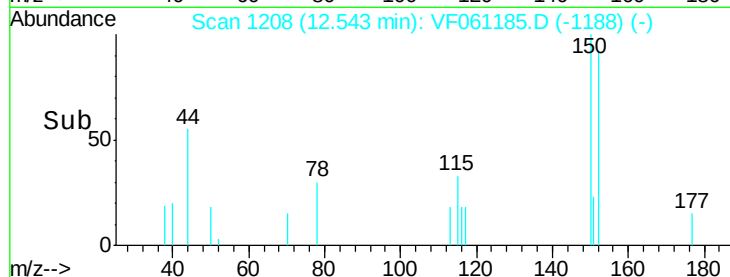
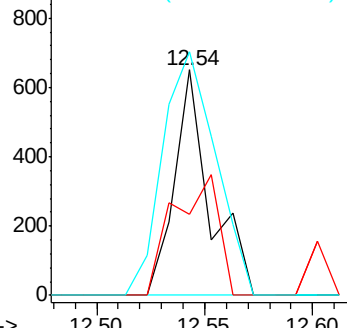
150 108.2 0.0 328.2



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#73

Isopropylbenzene

Concen: 1.340 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF061185.D

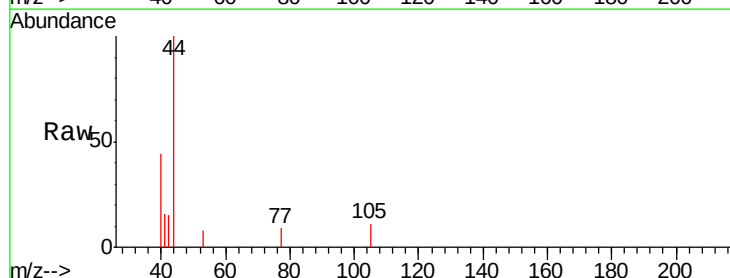
Acq: 26 Dec 2018 13:42

Tgt Ion:105 Resp: 86

Ion Ratio Lower Upper

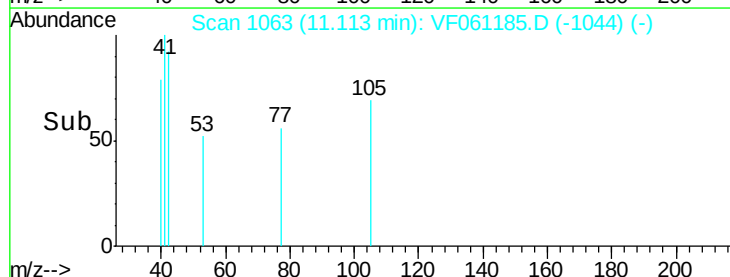
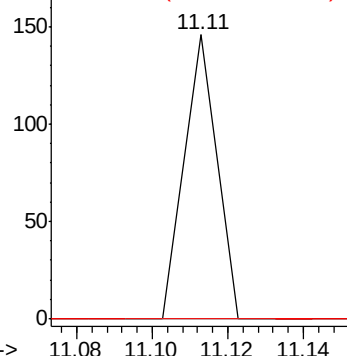
105 100

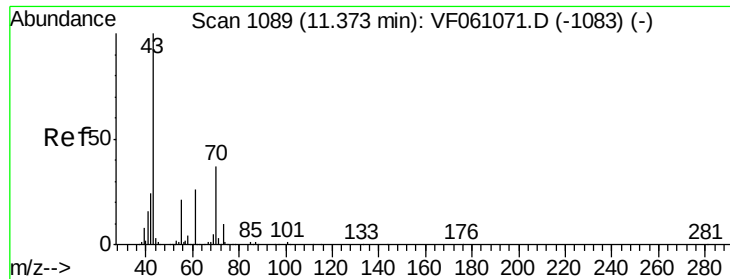
120 0.0 13.0 39.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 14.663 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

Instrument :

MSVOA_F

ClientSampleId :

P001-SS024-1824-01

Tgt Ion: 43 Resp: 209

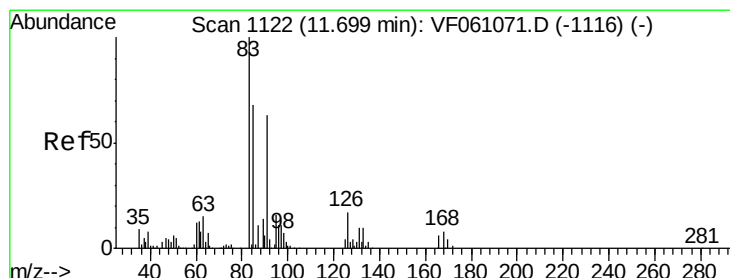
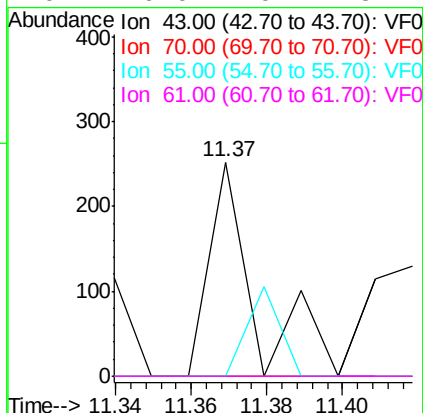
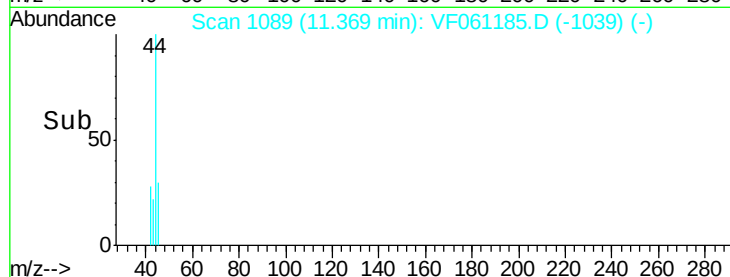
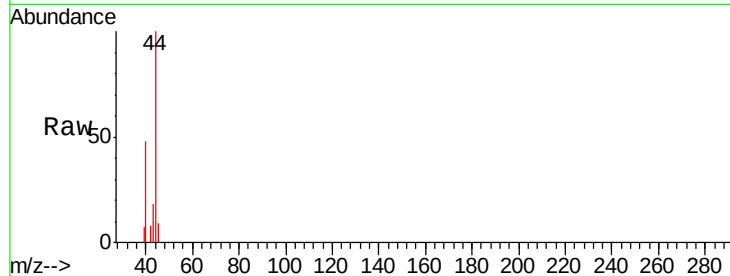
Ion Ratio Lower Upper

43 100

70 0.0 29.2 43.8#

55 0.0 16.5 24.7#

61 0.0 20.7 31.1#



#75

1,1,2,2-Tetrachloroethane

Concen: 6.476 ug/l

RT: 11.62 min Scan# 1114

Delta R.T. -0.08 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

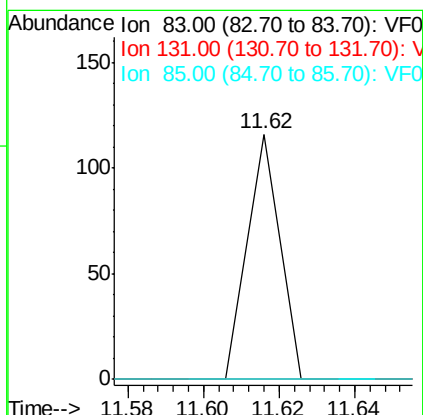
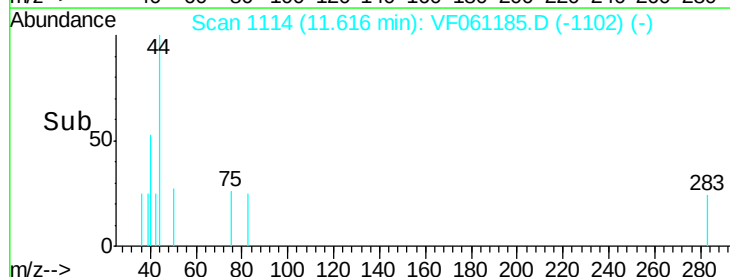
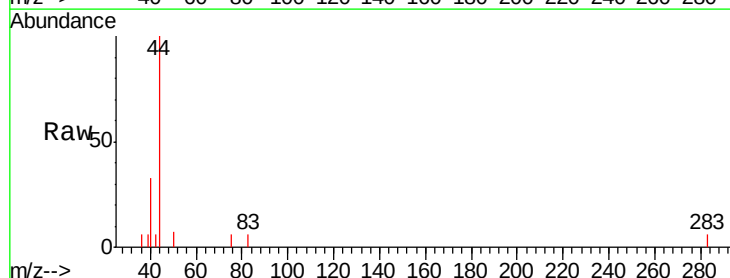
Tgt Ion: 83 Resp: 69

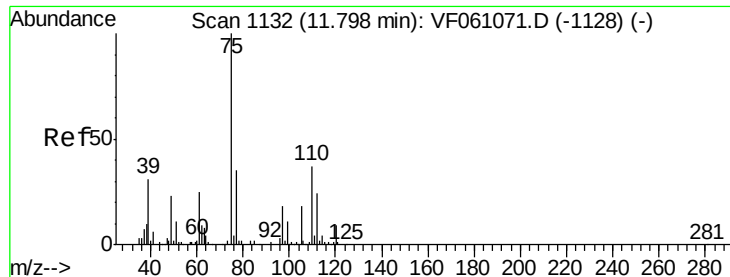
Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

85 0.0 33.9 101.6#





#76

1,2,3-Trichloropropane

Concen: 8.702 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

Instrument :

MSVOA_F

ClientSampleId :

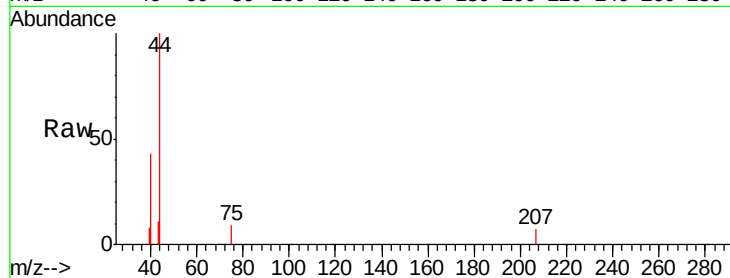
P001-SS024-1824-01

Tgt Ion: 75 Resp: 69

Ion Ratio Lower Upper

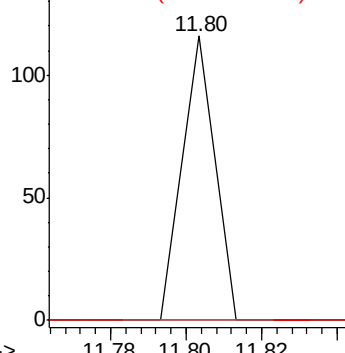
75 100

77 0.0 17.6 52.9#

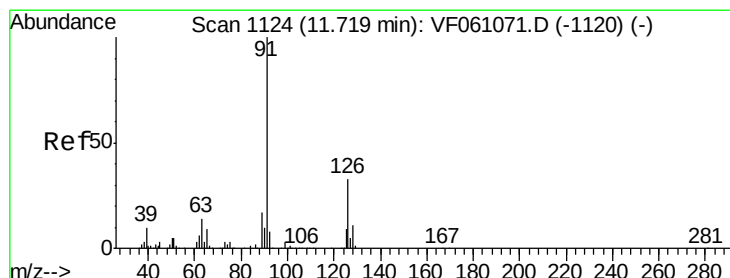
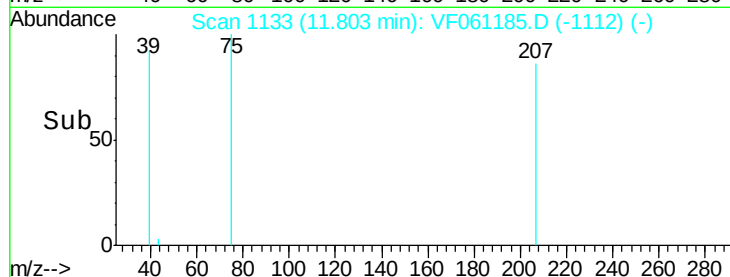


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time-->



#79

2-Chlorotoluene

Concen: 1.635 ug/l

RT: 11.75 min Scan# 1128

Delta R.T. 0.04 min

Lab File: VF061185.D

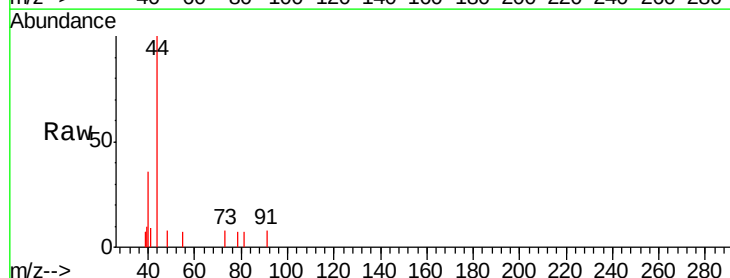
Acq: 26 Dec 2018 13:42

Tgt Ion: 91 Resp: 72

Ion Ratio Lower Upper

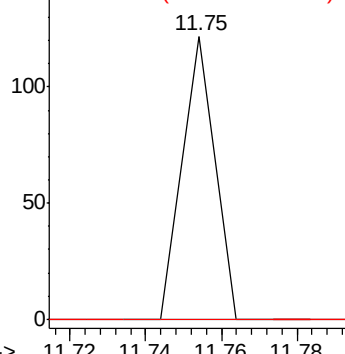
91 100

126 0.0 16.4 49.1#

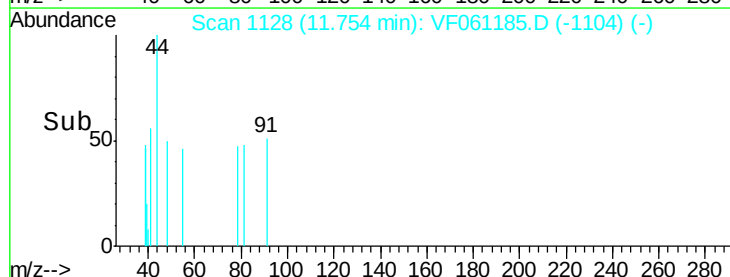


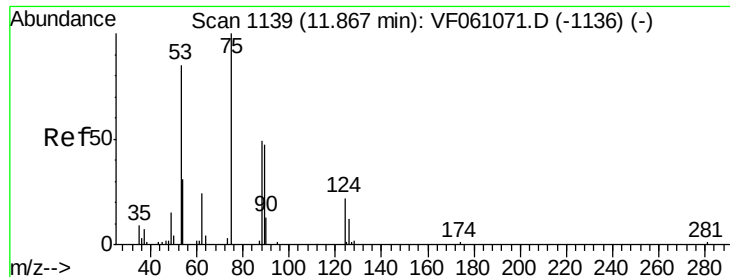
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.609 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. 0.05 min

Lab File: VF061185.D

Acq: 26 Dec 2018 13:42

Instrument :

MSVOA_F

ClientSampleId :

P001-SS024-1824-01

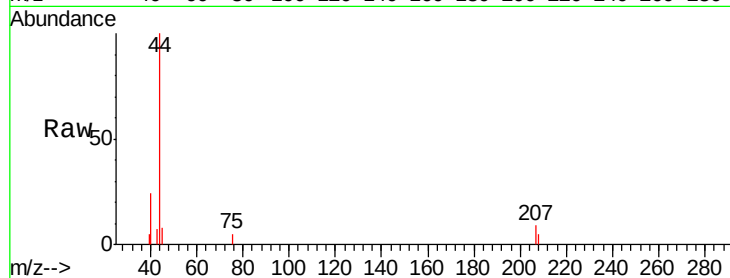
Tgt Ion: 75 Resp: 60

Ion Ratio Lower Upper

75 100

53 0.0 74.1 111.1#

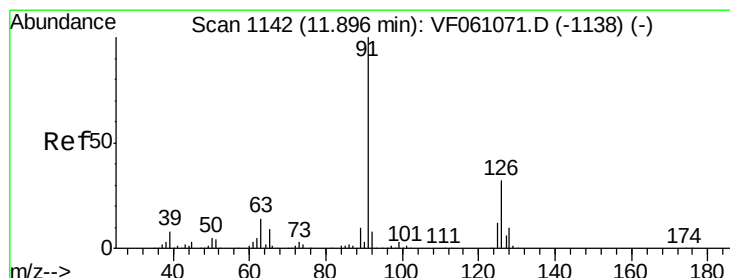
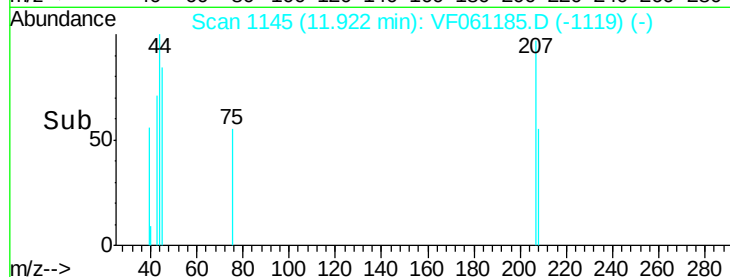
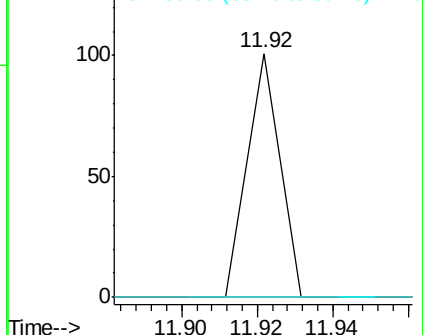
89 0.0 42.6 64.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 1.580 ug/l

RT: 11.75 min Scan# 1128

Delta R.T. -0.14 min

Lab File: VF061185.D

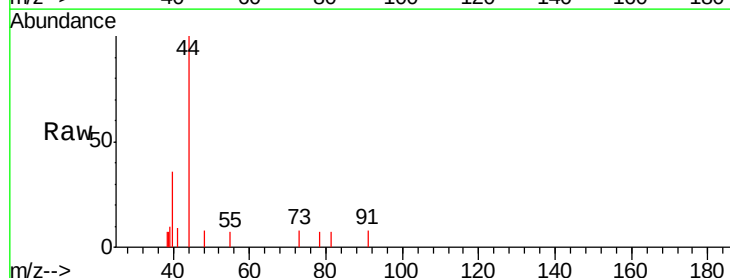
Acq: 26 Dec 2018 13:42

Tgt Ion: 91 Resp: 72

Ion Ratio Lower Upper

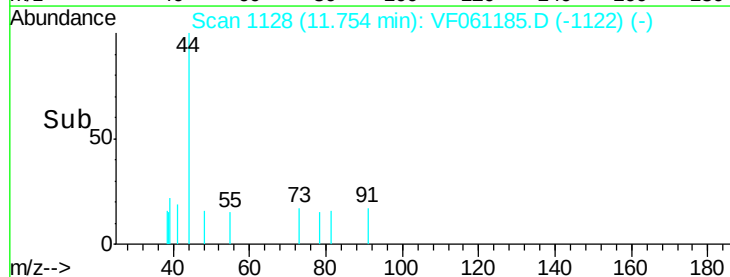
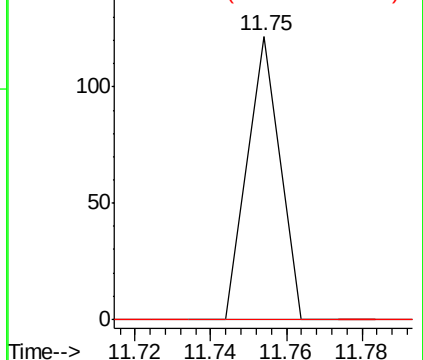
91 100

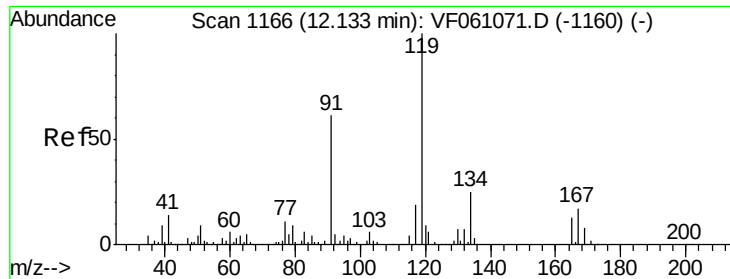
126 0.0 16.0 47.9#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

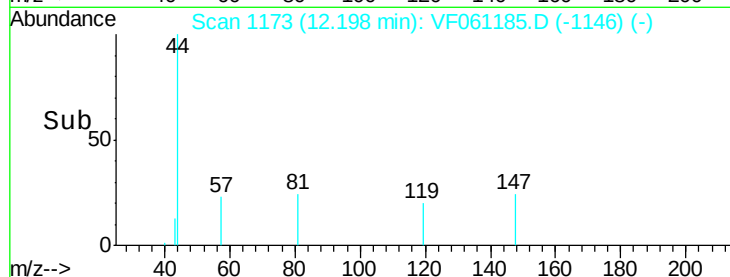
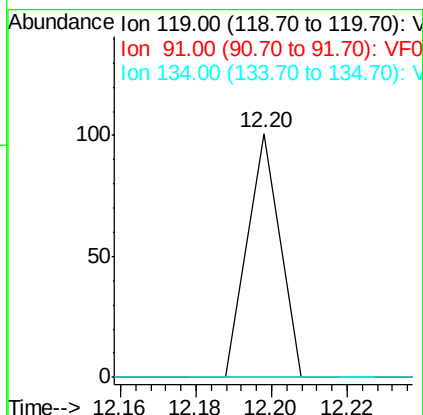
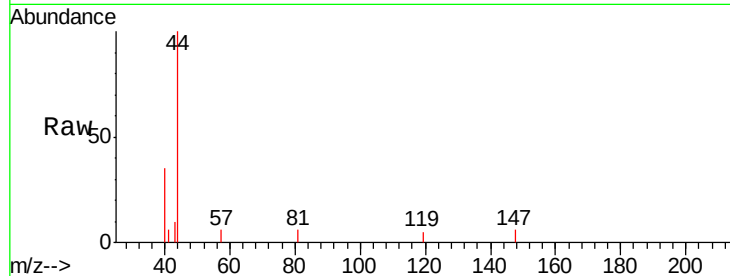




#83
 tert-Butylbenzene
 Concen: 1.103 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. 0.06 min
 Lab File: VF061185.D
 Acq: 26 Dec 2018 13:42

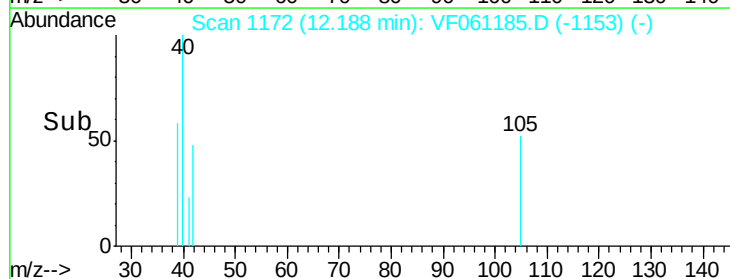
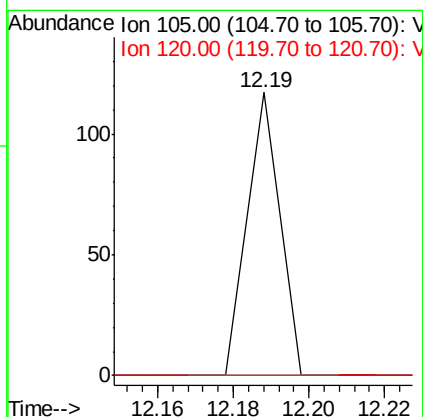
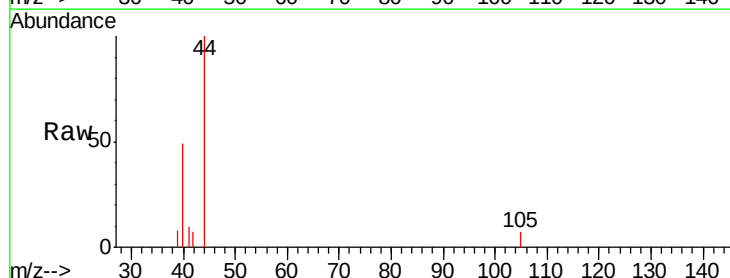
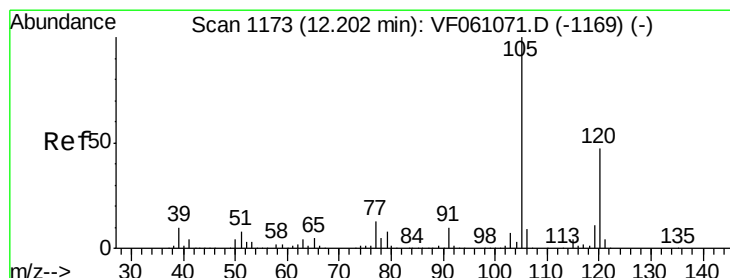
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS024-1824-01

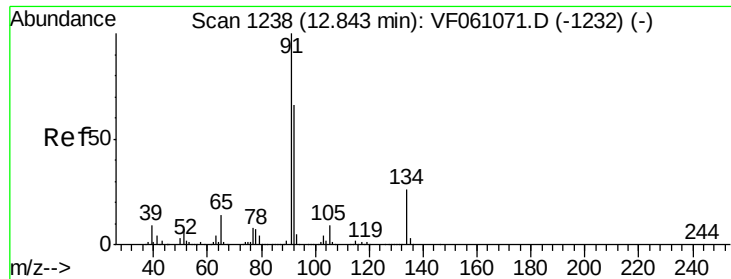
Tgt Ion	Ratio	Lower	Upper
119	100		
91	0.0	30.5	91.5#
134	0.0	12.4	37.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.309 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: VF061185.D
 Acq: 26 Dec 2018 13:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.6	71.0#





#89

n-Butylbenzene

Concen: 1.338 ug/l

RT: 12.88 min Scan# 1242

Delta R.T. 0.04 min

Lab File: VF061185.D

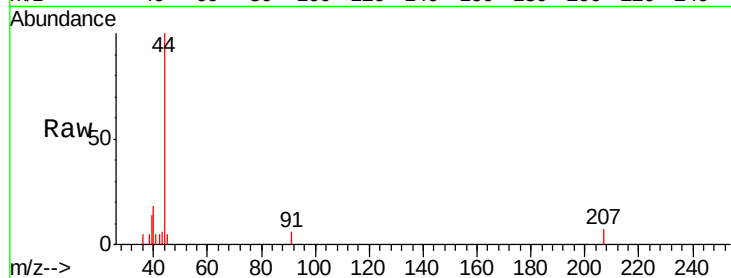
Acq: 26 Dec 2018 13:42

Instrument :

MSVOA_F

ClientSampleId :

P001-SS024-1824-01



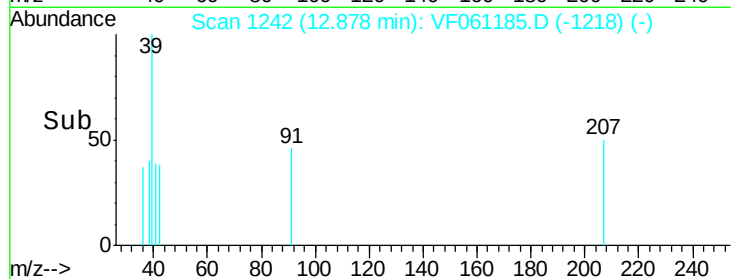
Tgt Ion: 91 Resp: 76

Ion Ratio Lower Upper

91 100

92 0.0 32.8 98.4#

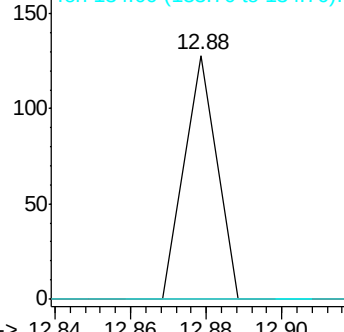
134 0.0 13.2 39.5#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



Time--> 12.84 12.86 12.88 12.90