

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005928.D
 Acq On : 13 Nov 2018 04:25
 Operator : JC/MD
 Sample : J5894-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DW-5

Quant Time: Nov 13 04:50:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	104059	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	148777	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	132205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	62447	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	63514	53.09	ug/l	0.00
Spiked Amount			Recovery	=	106.18%	
35) Dibromofluoromethane	5.50	113	51404	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
50) Toluene-d8	8.71	98	174710	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
62) 4-Bromofluorobenzene	11.14	95	58330	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	

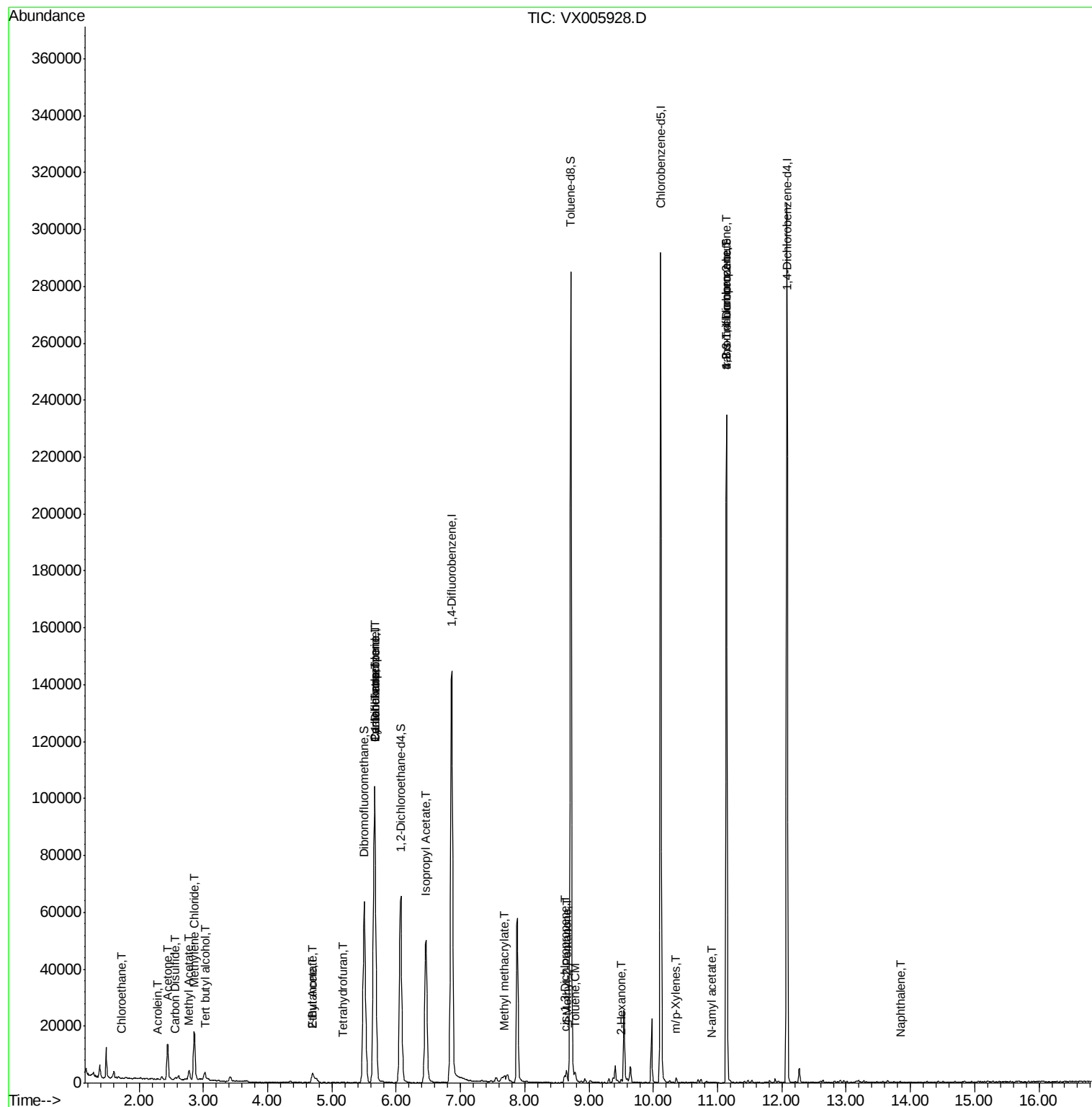
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	253	0.343	ug/l #	42
11) Tert butyl alcohol	3.03	59	2327	6.790	ug/l #	72
13) Acrolein	2.29	56	185	20.209	ug/l #	48
16) Acetone	2.45	43	14009	21.749	ug/l	97
17) Carbon Disulfide	2.57	76	661	0.241	ug/l #	77
18) Methyl Acetate	2.78	43	4419	1.110	ug/l	94
20) Methylene Chloride	2.85	84	7231	6.834	ug/l	97
25) 2-Butanone	4.70	43	6410	6.330	ug/l	97
29) Tetrahydrofuran	5.17	42	316	0.486	ug/l #	36
31) Cyclohexane	5.67	56	1964	1.178	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	7203	5.022	ug/l #	45
37) Ethyl Acetate	4.70	43	6410	3.399	ug/l #	69
38) Carbon Tetrachloride	5.66	117	9498	6.615	ug/l #	16
43) Isopropyl Acetate	6.46	43	68782	25.168	ug/l	98
48) Methyl methacrylate	7.68	41	2965	2.416	ug/l #	24
51) 4-Methyl-2-Pentanone	8.65	43	3507	2.036	ug/l #	87
52) Toluene	8.79	92	470	0.201	ug/l	97
54) cis-1,3-Dichloropropene	8.62	75	322	0.222	ug/l #	71
59) 2-Hexanone	9.50	43	503	0.331	ug/l	88
68) m/p-Xylenes	10.36	106	420	0.259	ug/l	94
74) N-amyl acetate	10.91	43	74	1.286	ug/l #	44
76) 1,2,3-Trichloropropane	11.14	75	29714	23.368	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	29714	74.478	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	285	Below Cal	#	56
95) Naphthalene	13.83	128	364	1.257	ug/l #	77

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

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Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005928.D

Acq: 13 Nov 2018 04:25

Instrument :

MSVOA_X

ClientSampled :

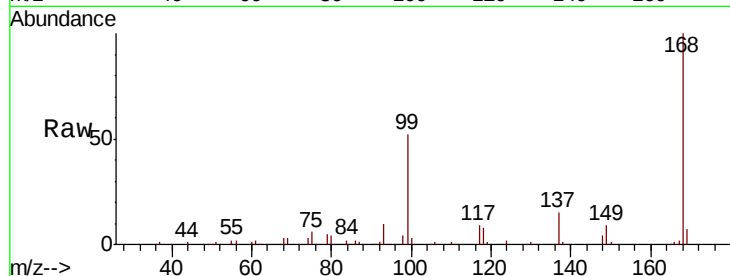
DW-5

Tot Ion:168 Resp: 104059

Ion Ratio Lower Upper

168 100

99 52.4 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

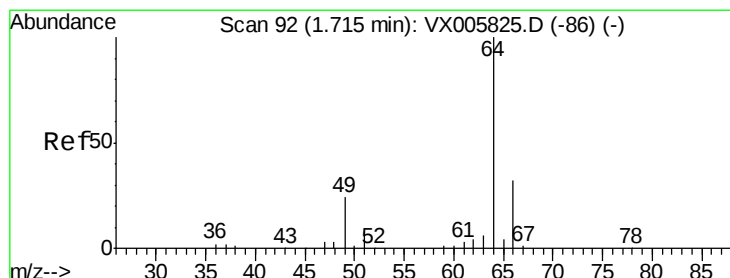
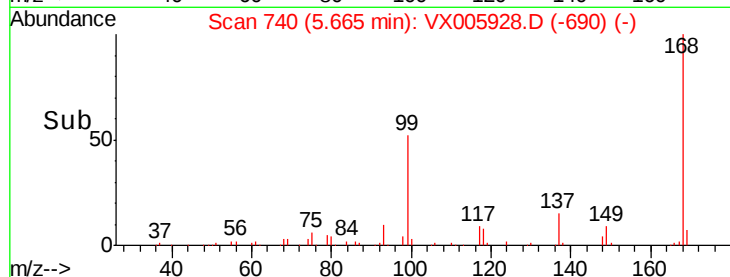
20000

10000

0

5.60 5.70 5.80

Time-->



#6

Chloroethane

Concen: 0.343 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005928.D

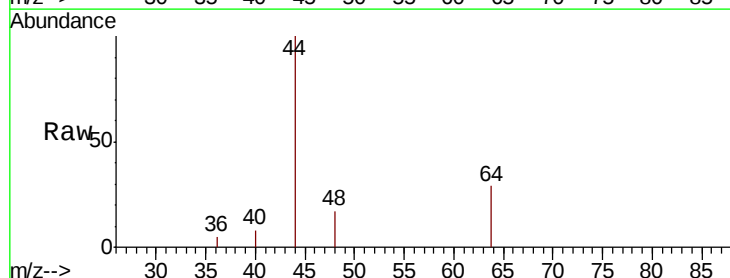
Acq: 13 Nov 2018 04:25

Tgt Ion: 64 Resp: 253

Ion Ratio Lower Upper

64 100

66 0.0 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

400

300

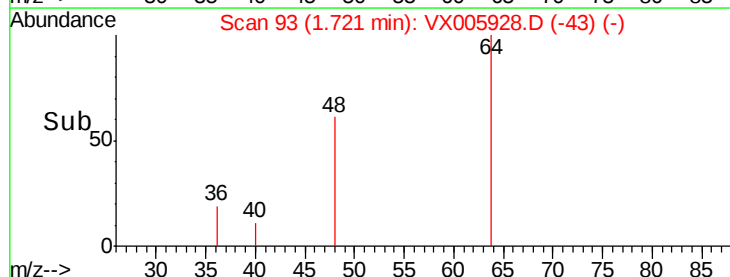
200

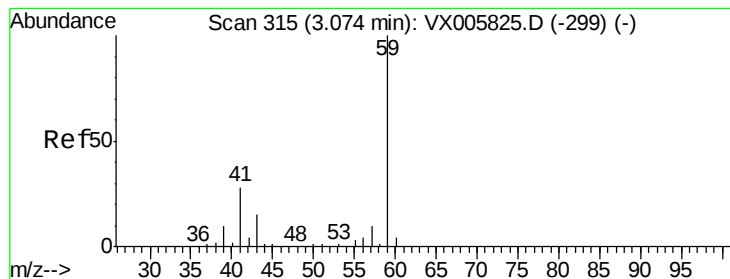
100

0

1.66 1.68 1.70 1.72 1.74

Time-->



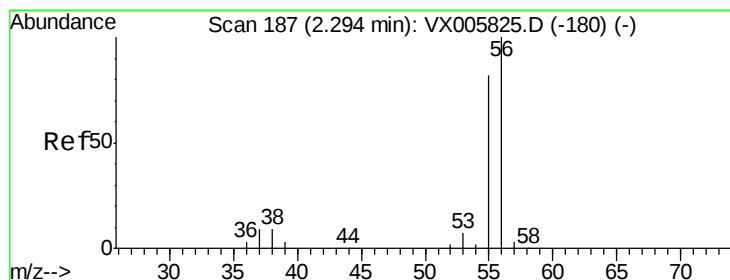
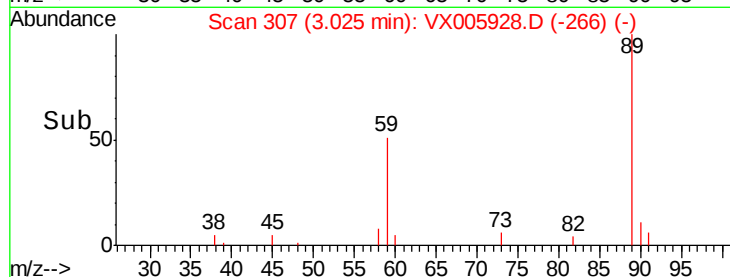
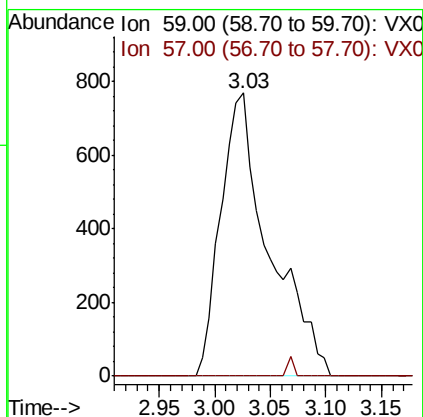
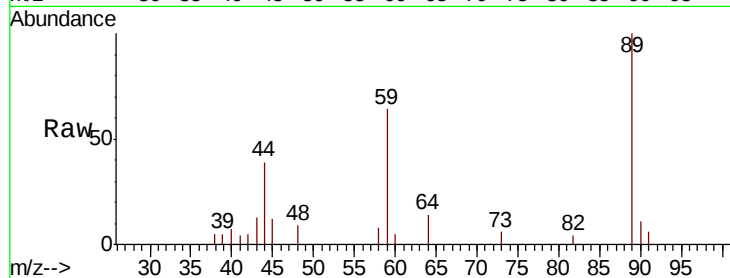


#11

Tert butyl alcohol
 Concen: 6.790 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX005928.D
 Acq: 13 Nov 2018 04:25

Instrument :
 MSVOA_X
 ClientSampled :
 DW-5

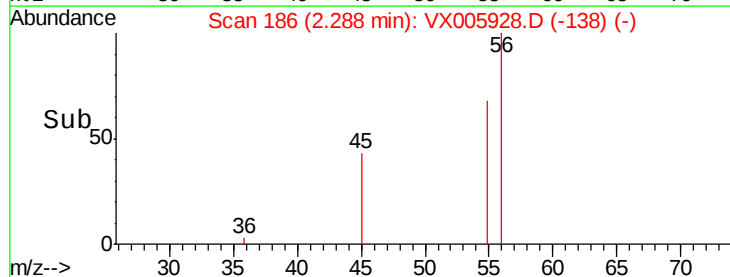
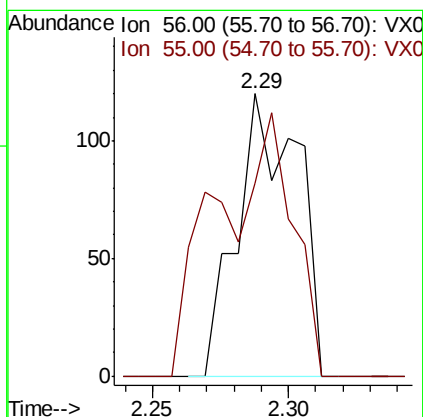
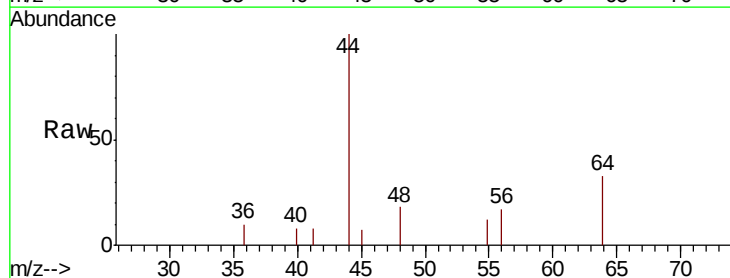
Tot Ion: 59 Resp: 2327
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

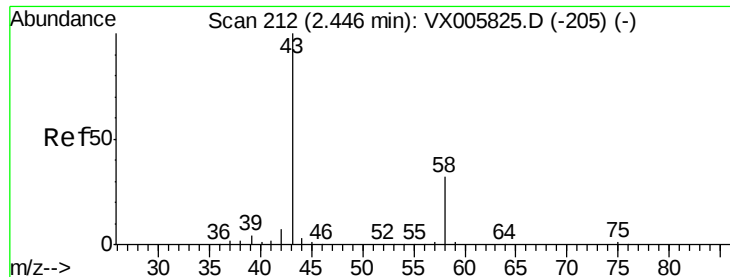


#13

Acrolein
 Concen: 20.209 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX005928.D
 Acq: 13 Nov 2018 04:25

Tgt Ion: 56 Resp: 185
 Ion Ratio Lower Upper
 56 100
 55 114.6 57.3 85.9#





#16

Acetone

Concen: 21.749 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005928.D

Acq: 13 Nov 2018 04:25

Instrument :

MSVOA_X

ClientSampleId :

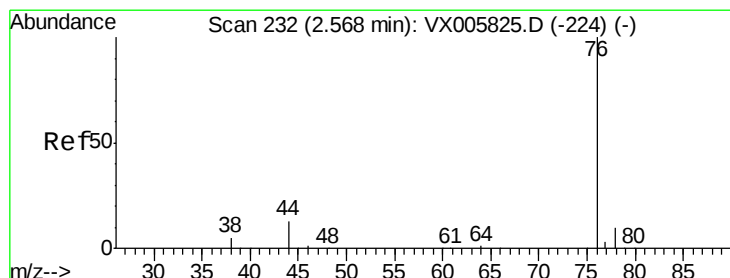
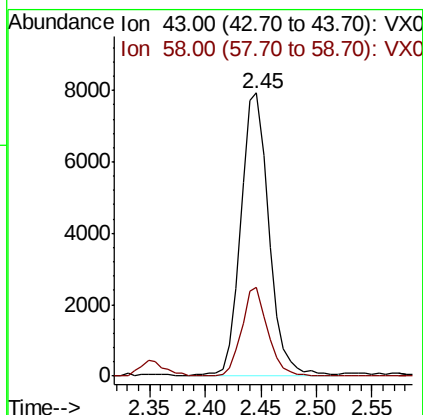
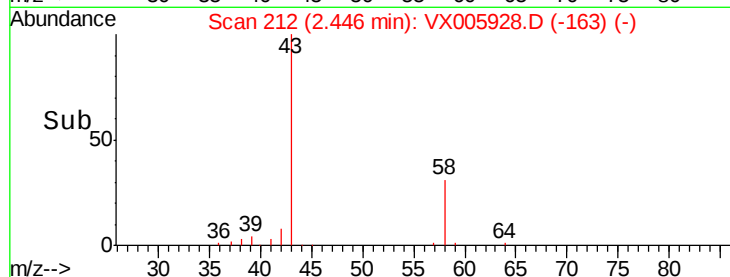
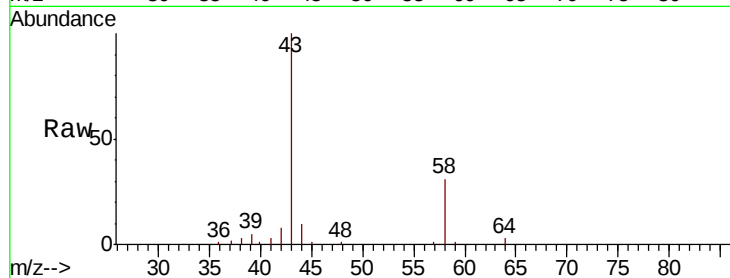
DW-5

Tot Ion: 43 Resp: 14009

Ion Ratio Lower Upper

43 100

58 31.3 23.8 35.6



#17

Carbon Disulfide

Concen: 0.241 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005928.D

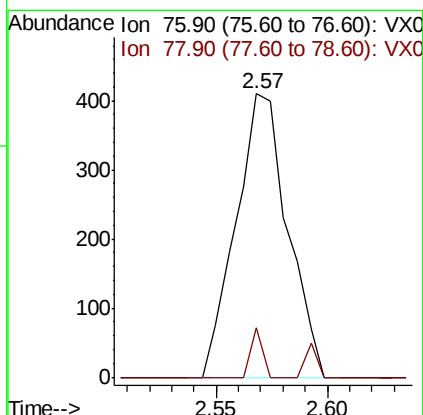
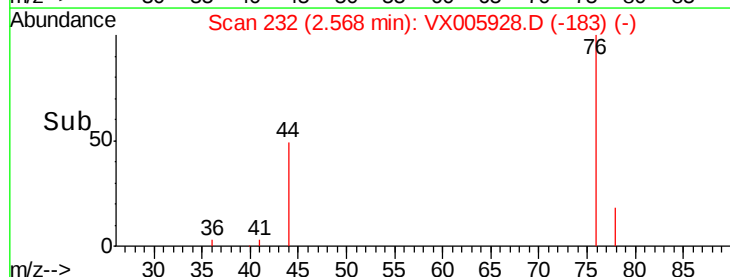
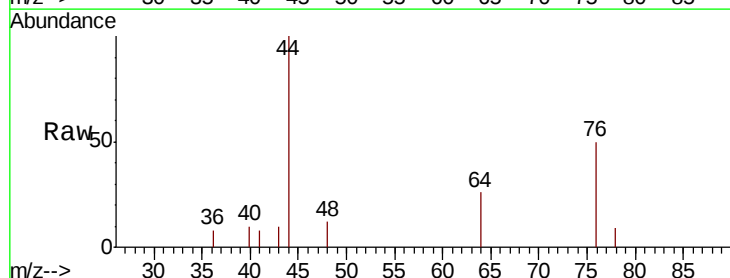
Acq: 13 Nov 2018 04:25

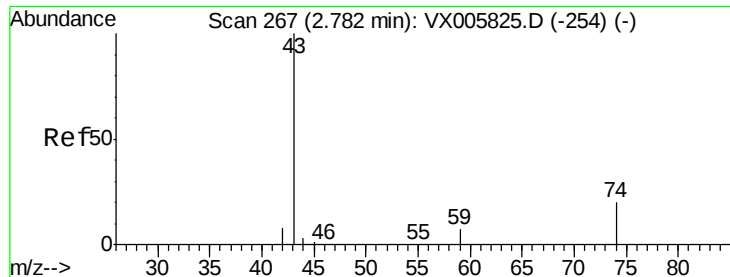
Tgt Ion: 76 Resp: 661

Ion Ratio Lower Upper

76 100

78 17.6 7.3 10.9#





#18

Methvl Acetate

Concen: 1.110 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005928.D

Acq: 13 Nov 2018 04:25

Instrument :

MSVOA_X

ClientSampleId :

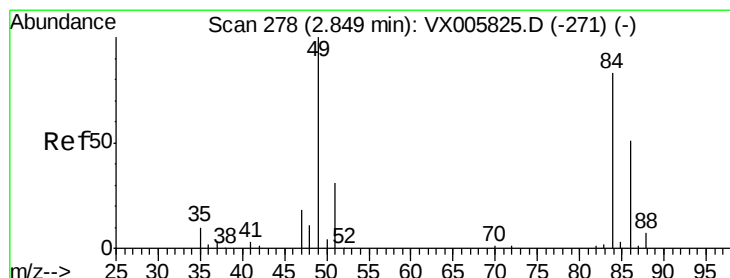
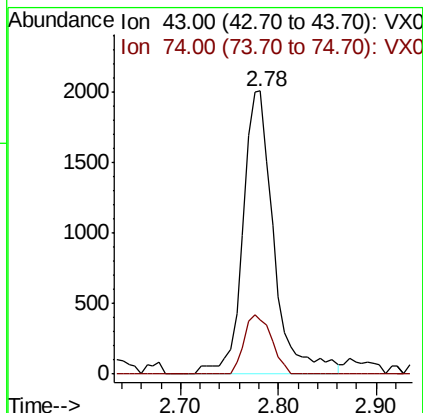
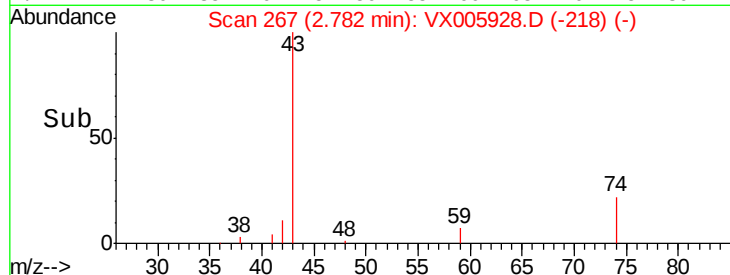
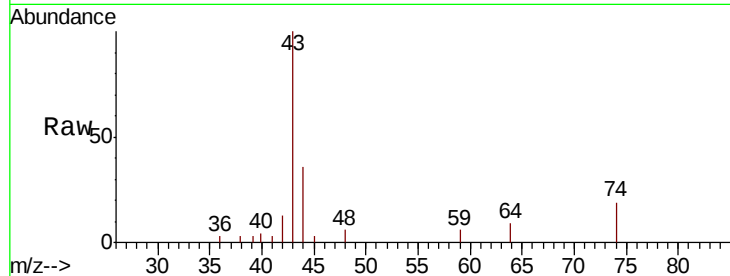
DW-5

Tot Ion: 43 Resp: 4419

Ion Ratio Lower Upper

43 100

74 18.4 16.8 25.2



#20

Methylene Chloride

Concen: 6.834 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.01 min

Lab File: VX005928.D

Acq: 13 Nov 2018 04:25

Tgt Ion: 84 Resp: 7231

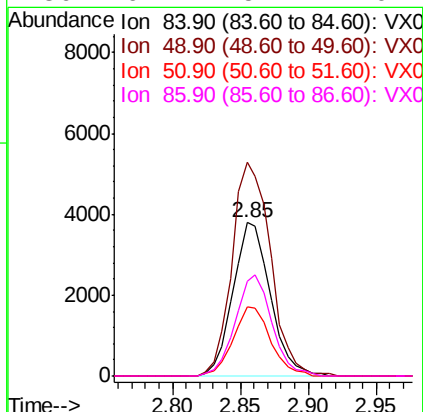
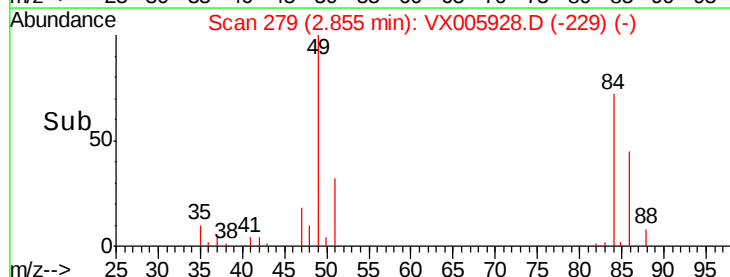
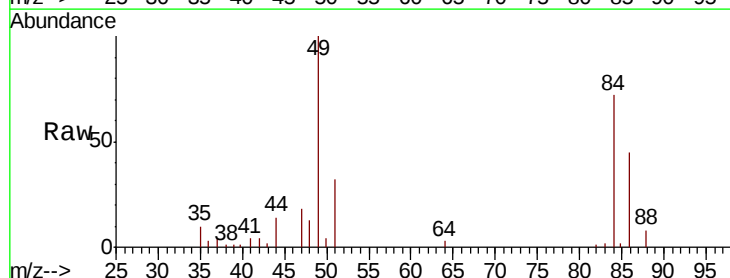
Ion Ratio Lower Upper

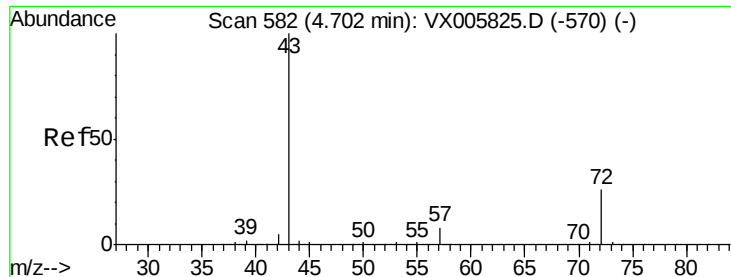
84 100

49 139.5 109.5 164.3

51 44.9 33.3 49.9

86 62.2 52.7 79.1





#25

2-Butanone

Concen: 6.330 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005928.D

Acq: 13 Nov 2018 04:25

Instrument :

MSVOA_X

ClientSampled :

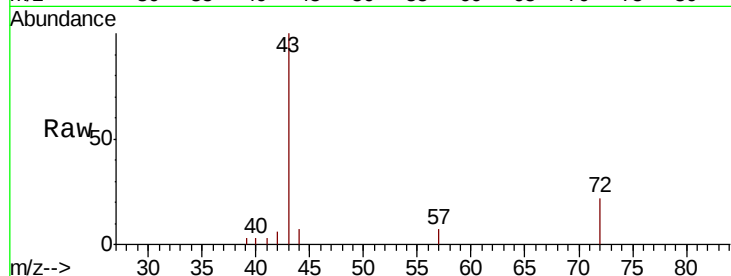
DW-5

Tot Ion: 43 Resp: 6410

Ion Ratio Lower Upper

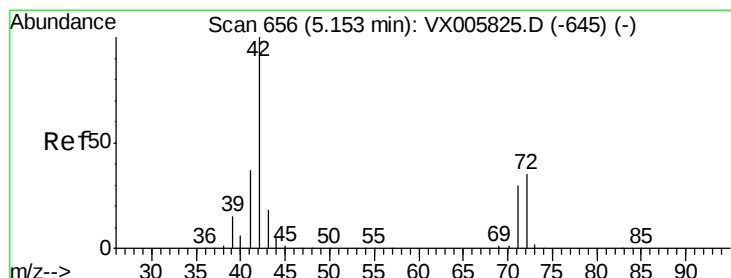
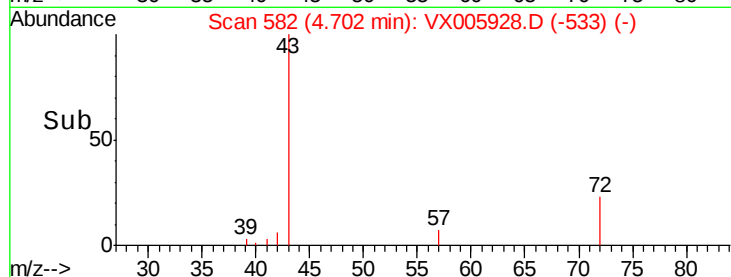
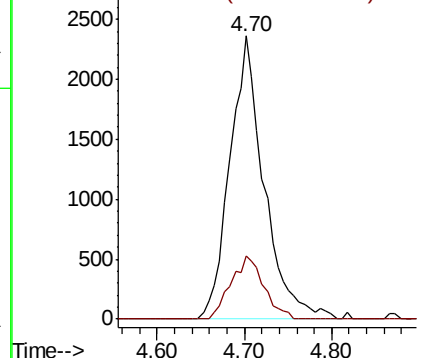
43 100

72 22.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.486 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005928.D

Acq: 13 Nov 2018 04:25

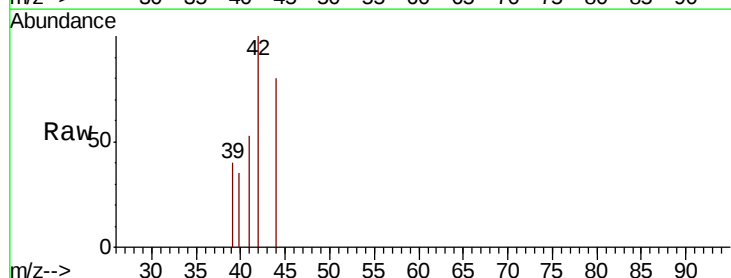
Tgt Ion: 42 Resp: 316

Ion Ratio Lower Upper

42 100

72 0.0 32.0 48.0#

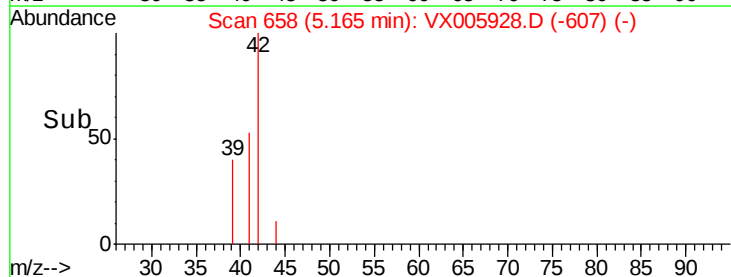
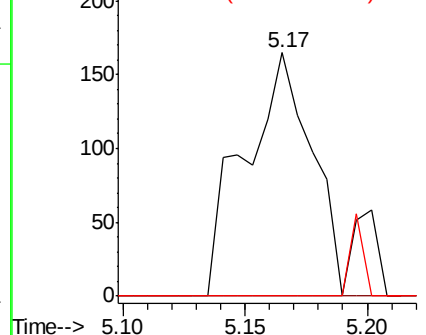
71 0.0 29.8 44.8#

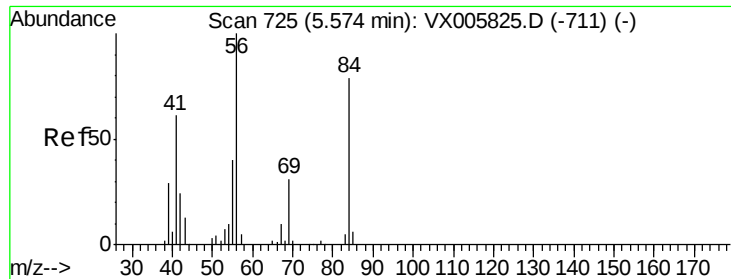


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

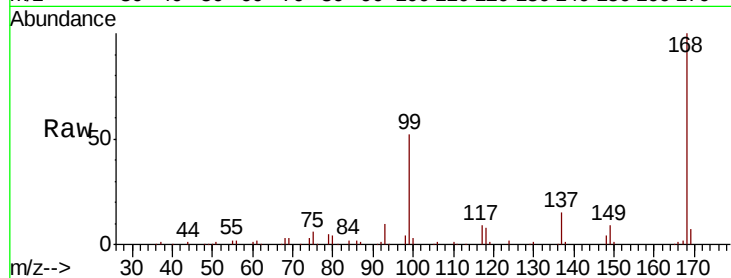




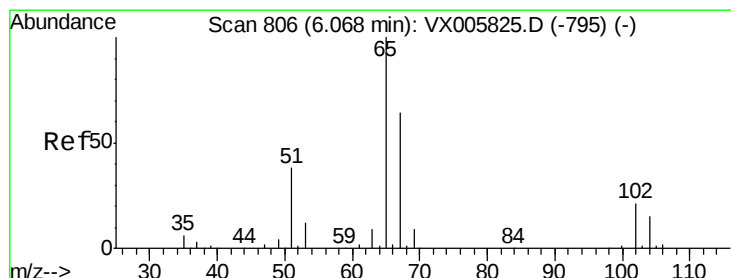
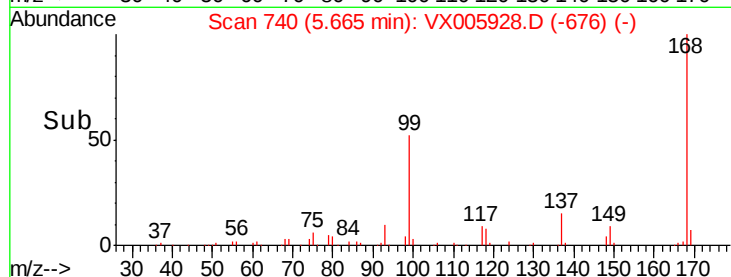
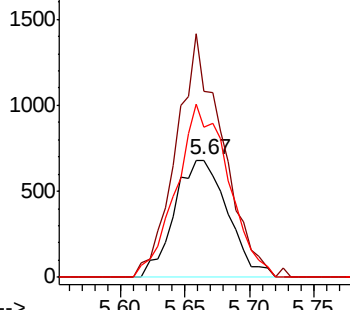
#31
Cyclohexane
Concen: 1.178 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005928.D
Acq: 13 Nov 2018 04:25

Instrument :
MSVOA_X
ClientSampleId :
DW-5

Tot Ion: 56 Resp: 1964
Ion Ratio Lower Upper
56 100
69 158.9 22.6 34.0#
84 128.0 62.7 94.1#

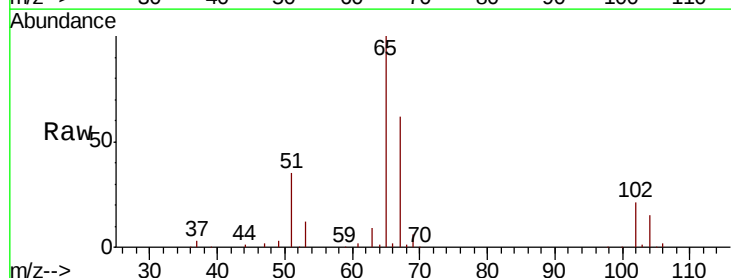


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

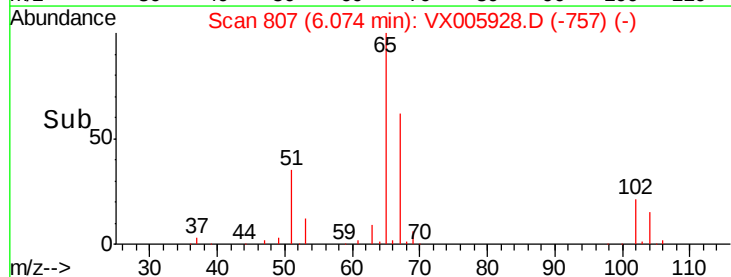
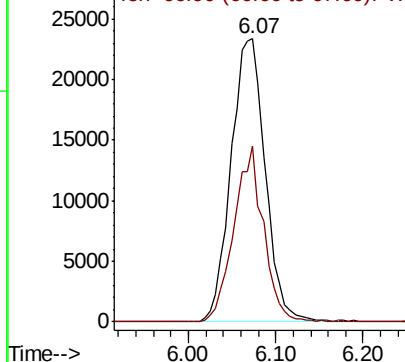


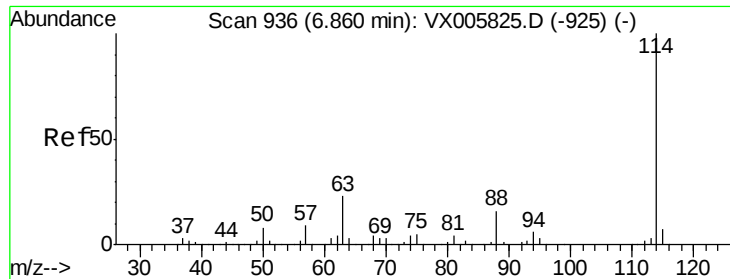
#33
1,2-Dichloroethane-d4
Concen: 53.092 ug/l
RT: 6.07 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX005928.D
Acq: 13 Nov 2018 04:25

Tgt Ion: 65 Resp: 63514
Ion Ratio Lower Upper
65 100
67 53.8 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

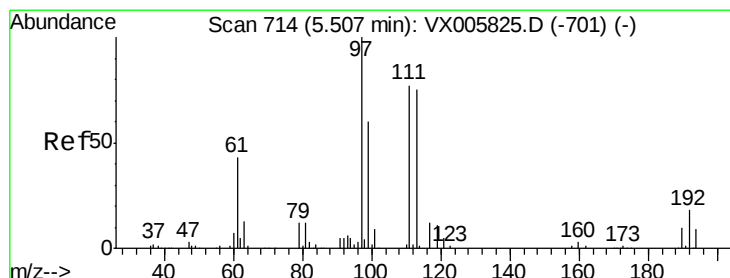
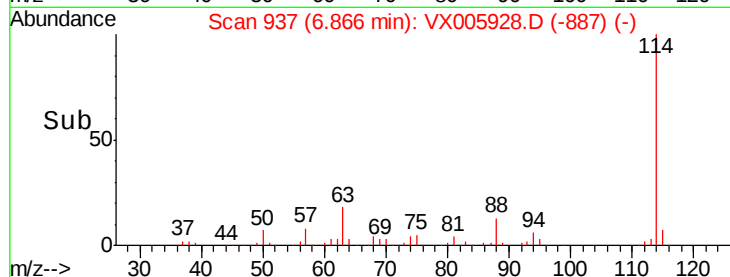
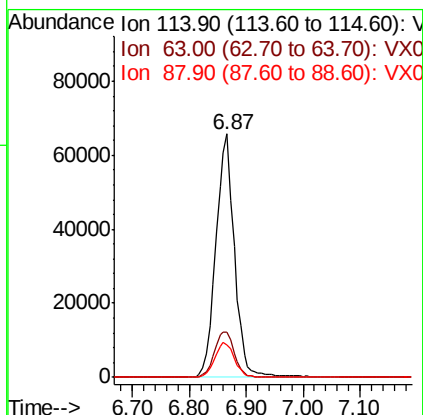
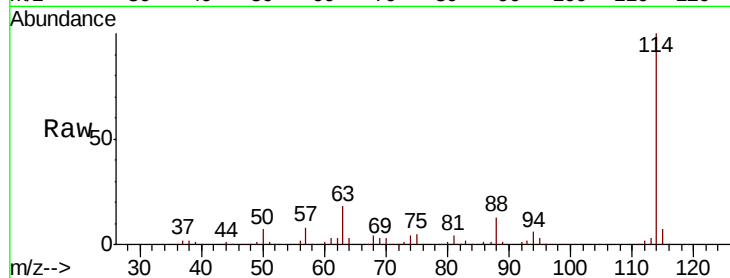




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005928.D
 Acq: 13 Nov 2018 04:25

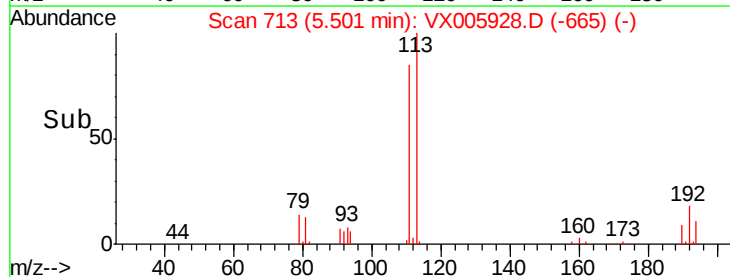
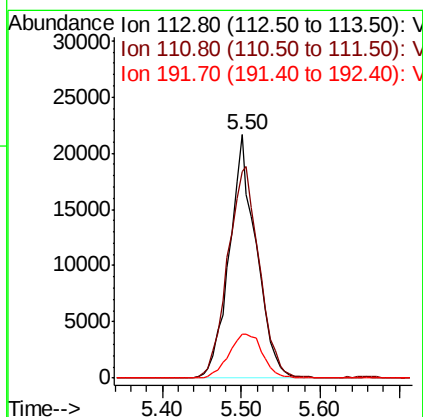
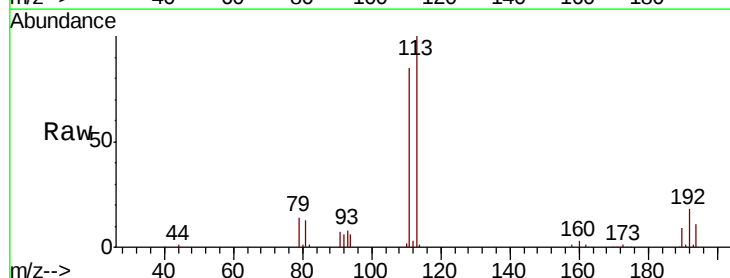
Instrument :
 MSVOA_X
 ClientSampleId :
 DW-5

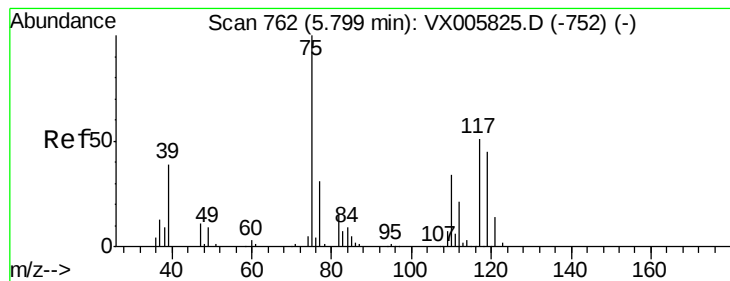
Tot Ion:114 Resp: 148777
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 42.8
 88 13.3 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 50.799 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX005928.D
 Acq: 13 Nov 2018 04:25

Tgt Ion:113 Resp: 51404
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.3 123.5
 192 22.7 17.9 26.9





#36

1,1-Dichloropropene

Concen: 5.022 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.13 min

Lab File: VX005928.D

Acq: 13 Nov 2018 04:25

Instrument :

MSVOA_X

ClientSampleId :

DW-5

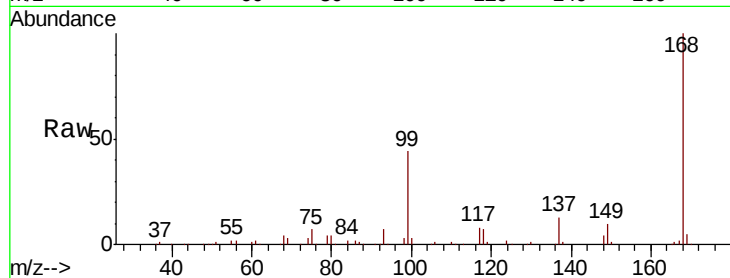
Tot Ion: 75 Resp: 7203

Ion Ratio Lower Upper

75 100

110 4.8 17.4 52.2#

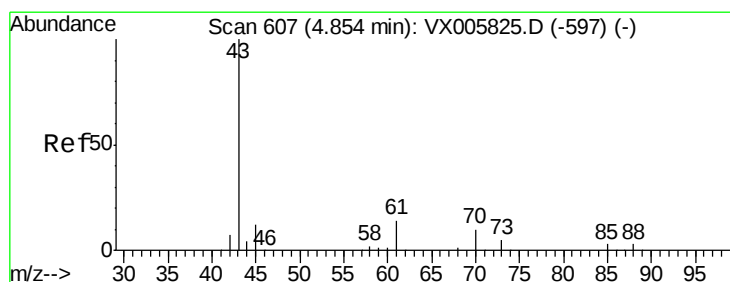
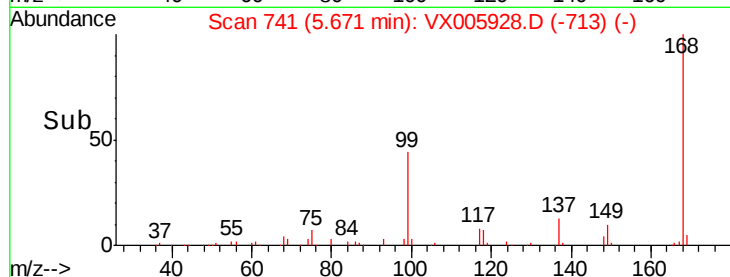
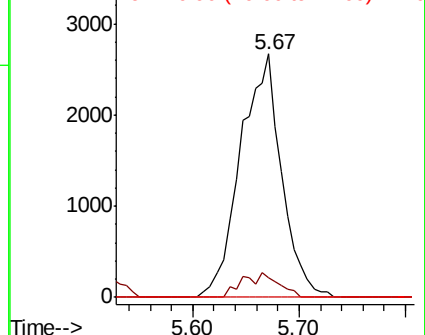
77 0.0 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 3.399 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.15 min

Lab File: VX005928.D

Acq: 13 Nov 2018 04:25

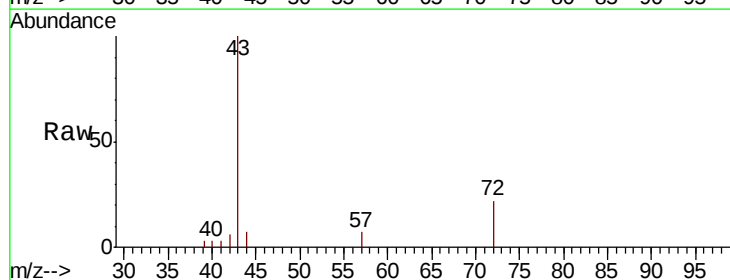
Tgt Ion: 43 Resp: 6410

Ion Ratio Lower Upper

43 100

61 0.0 10.8 16.2#

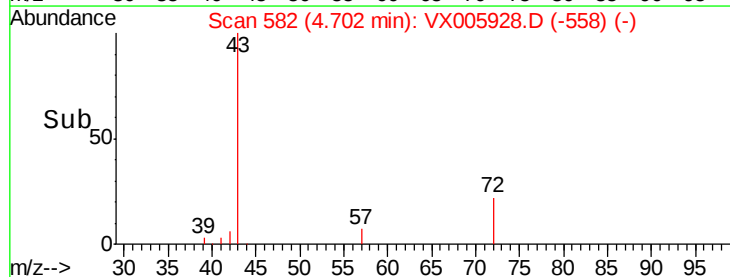
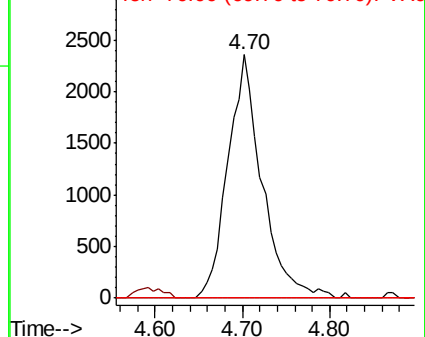
70 0.0 7.8 11.8#

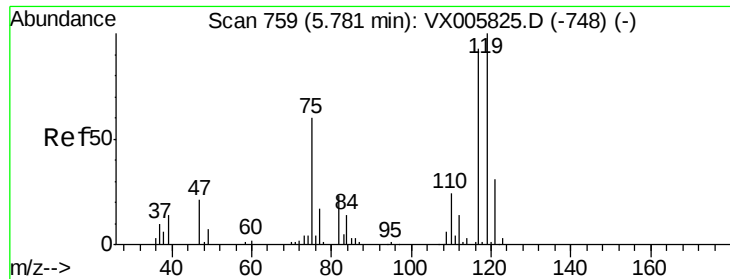


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

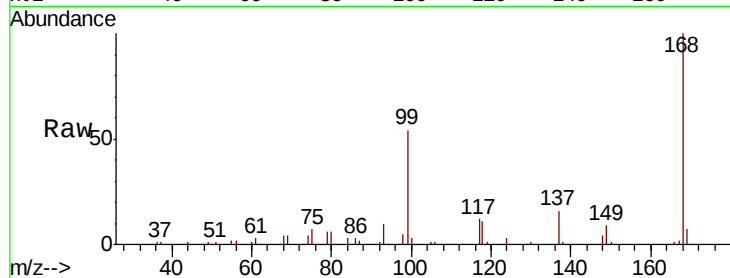




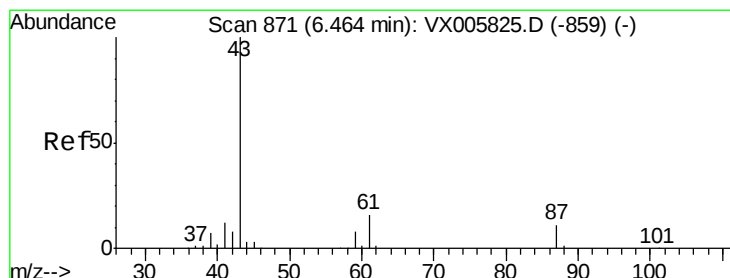
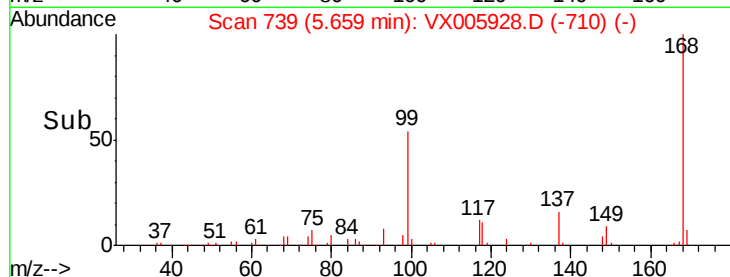
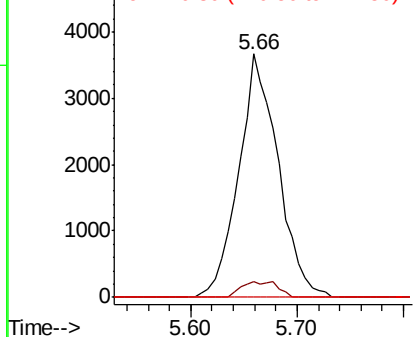
#38
Carbon Tetrachloride
Concen: 6.615 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX005928.D
Acq: 13 Nov 2018 04:25

Instrument :
MSVOA_X
ClientSampleId :
DW-5

Tot Ion:117 Resp: 9498
Ion Ratio Lower Upper
117 100
119 6.4 78.1 117.1#
121 0.0 24.6 36.8#

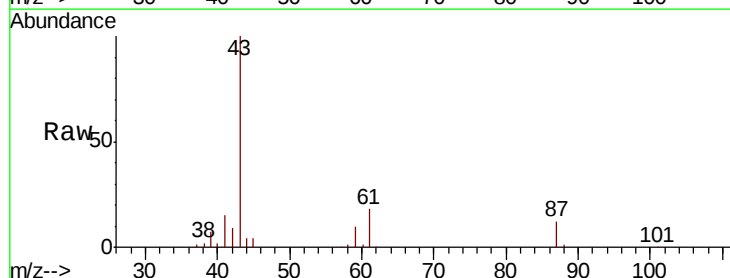


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

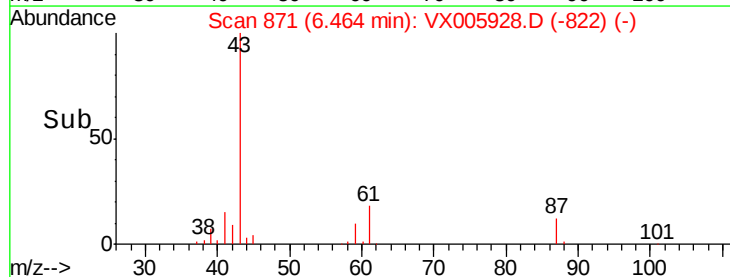
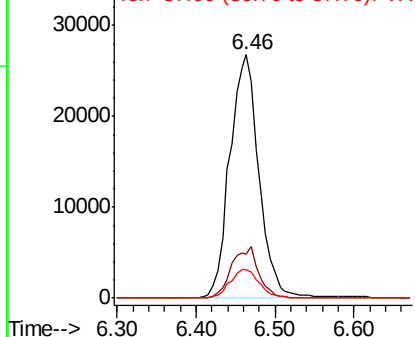


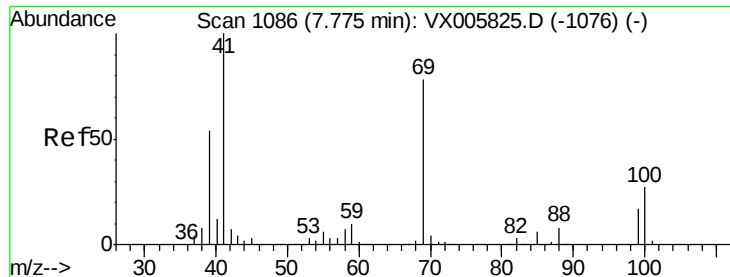
#43
Isopropyl Acetate
Concen: 25.168 ug/l
RT: 6.46 min Scan# 871
Delta R.T. -0.00 min
Lab File: VX005928.D
Acq: 13 Nov 2018 04:25

Tgt Ion: 43 Resp: 68782
Ion Ratio Lower Upper
43 100
61 19.8 14.6 22.0
87 11.7 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0

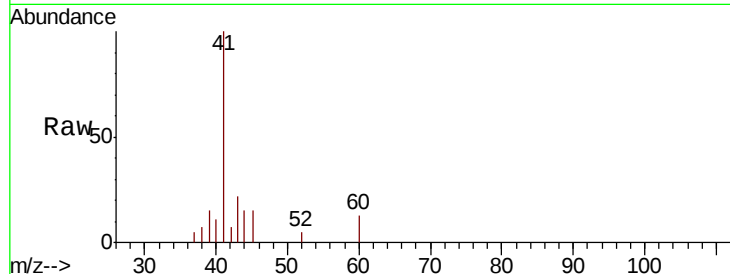




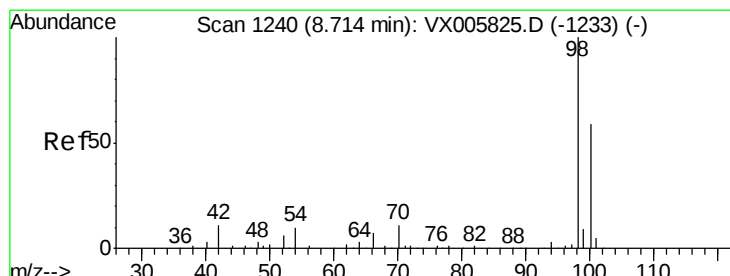
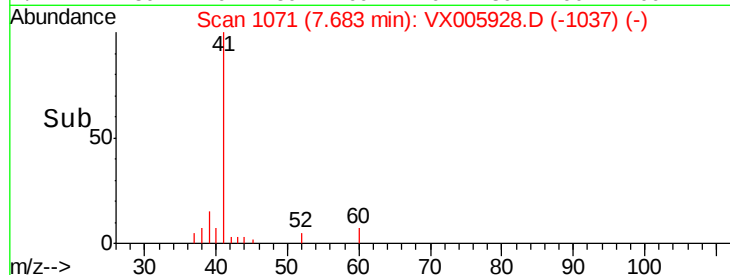
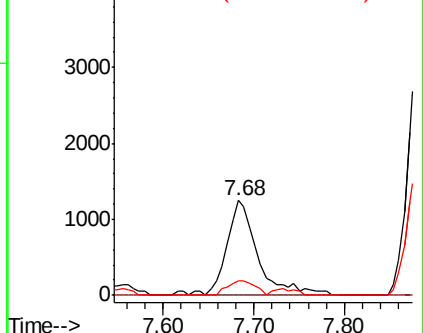
#48
Methvl methacrylate
Concen: 2.416 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.09 min
Lab File: VX005928.D
Acq: 13 Nov 2018 04:25

Instrument :
MSVOA_X
ClientSampleId :
DW-5

Tot Ion: 41 Resp: 2965
Ion Ratio Lower Upper
41 100
69 0.0 63.2 94.8#
39 13.5 42.2 63.2#

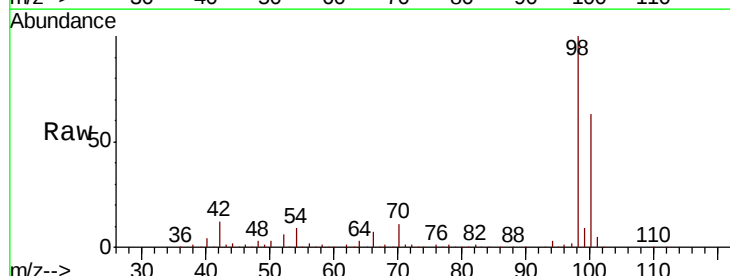


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

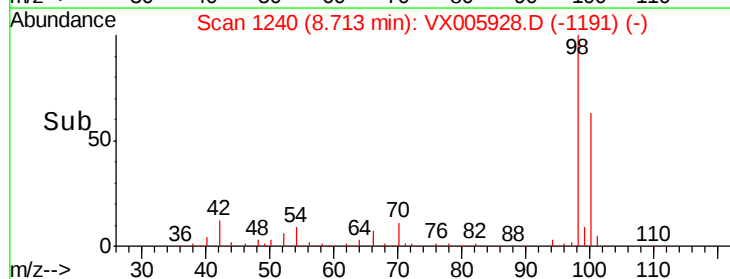
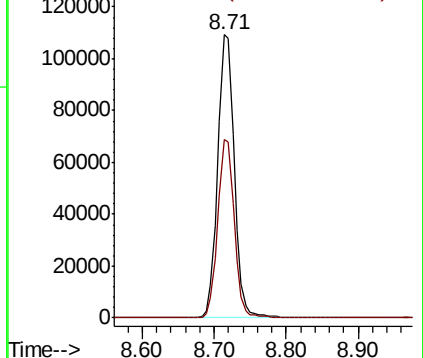


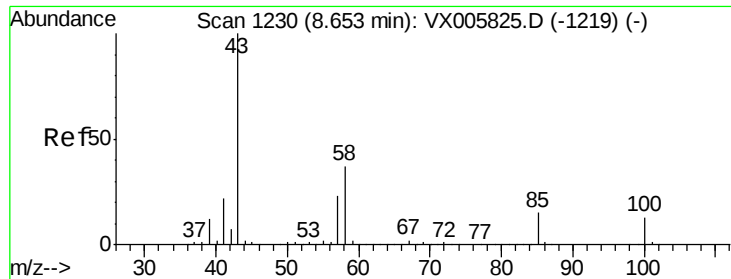
#50
Toluene-d8
Concen: 51.933 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005928.D
Acq: 13 Nov 2018 04:25

Tgt Ion: 98 Resp: 174710
Ion Ratio Lower Upper
98 100
100 62.9 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

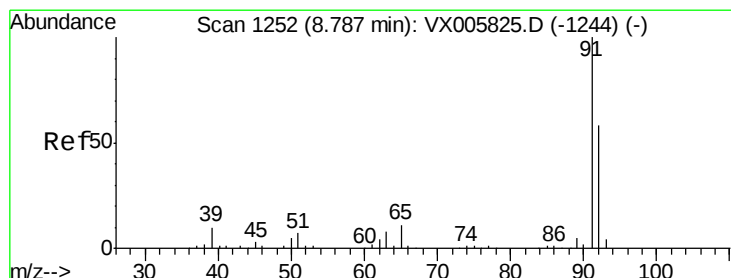
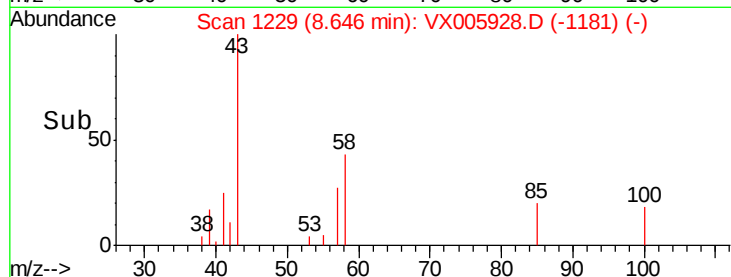
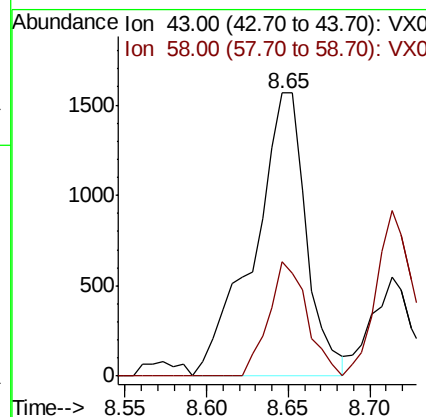
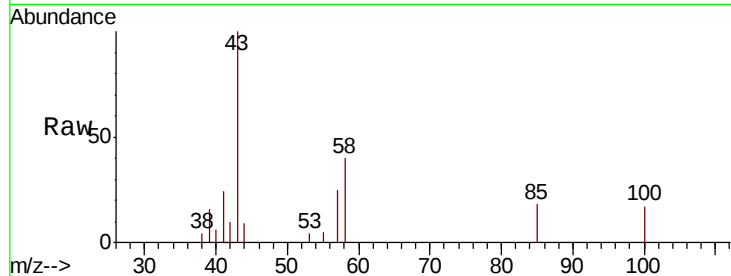




#51
4-Methyl-2-Pentanone
Concen: 2.036 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX005928.D
Acq: 13 Nov 2018 04:25

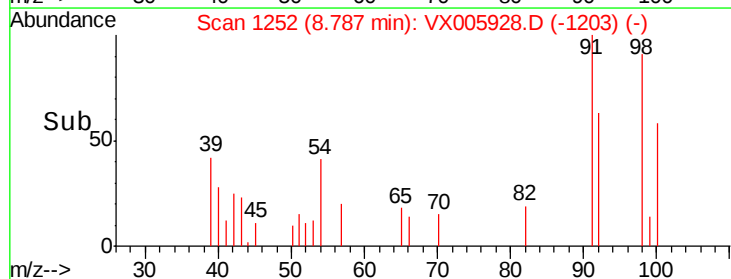
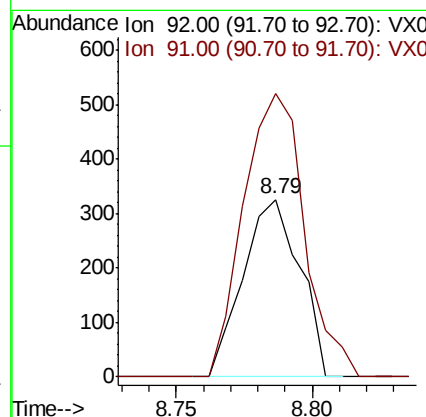
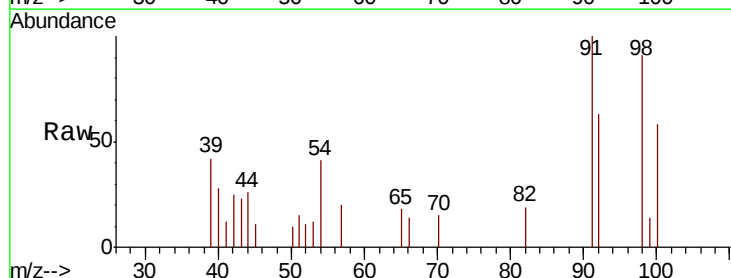
Instrument :
MSVOA_X
ClientSampleId :
DW-5

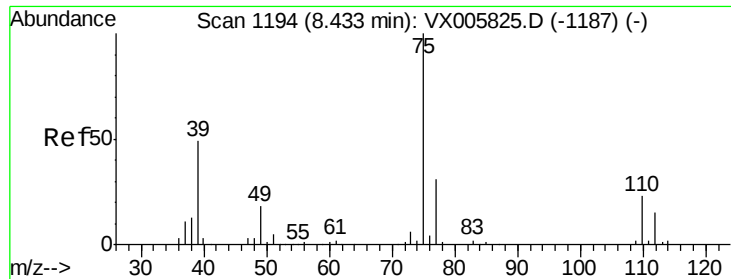
Tot Ion: 43 Resp: 3507
Ion Ratio Lower Upper
43 100
58 29.4 29.7 44.5#



#52
Toluene
Concen: 0.201 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005928.D
Acq: 13 Nov 2018 04:25

Tgt Ion: 92 Resp: 470
Ion Ratio Lower Upper
92 100
91 171.5 140.4 210.6

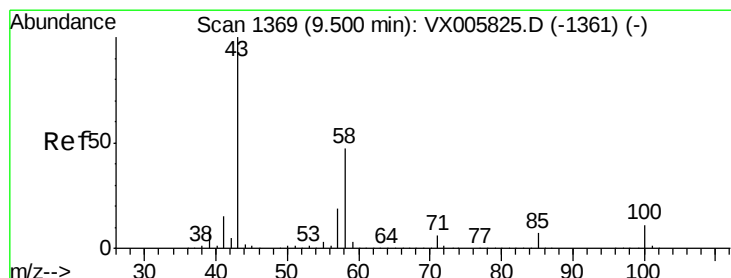
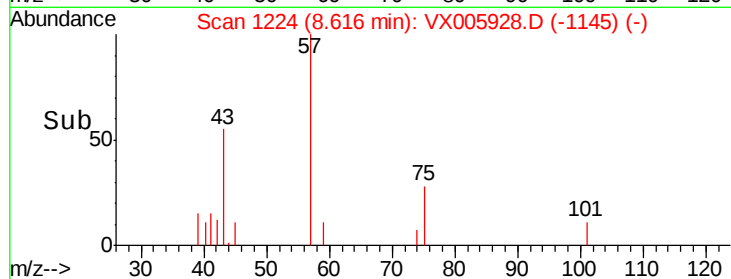
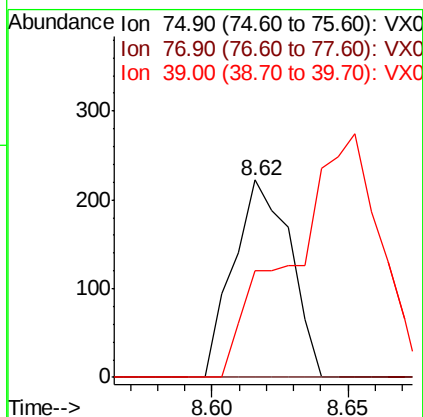
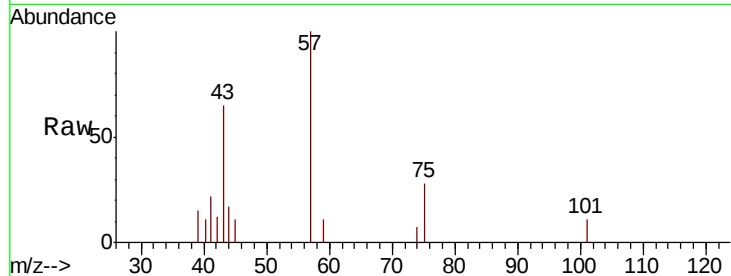




#54
 cis-1,3-Dichloropropene
 Concen: 0.222 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. 0.18 min
 Lab File: VX005928.D
 Acq: 13 Nov 2018 04:25

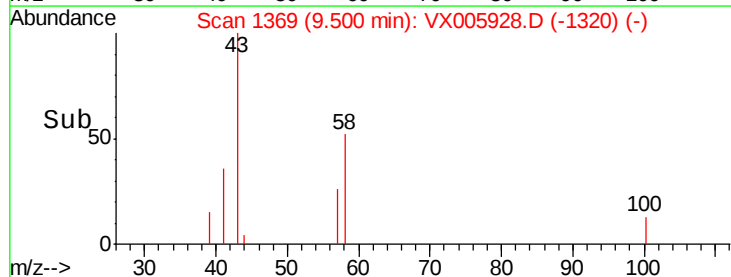
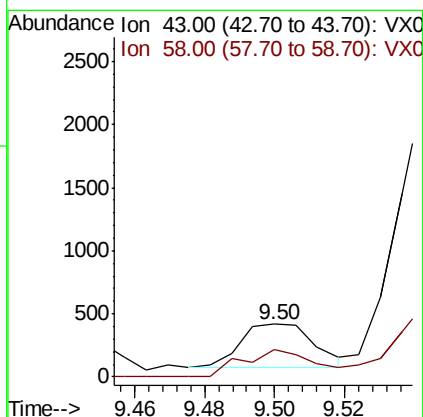
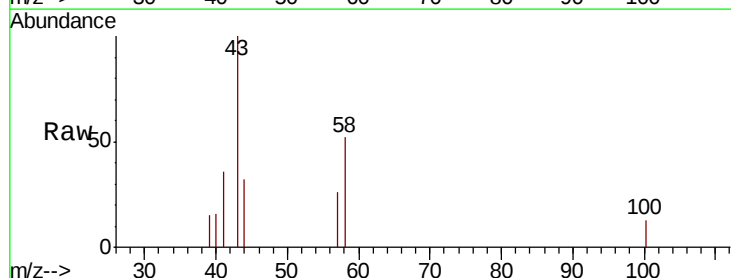
Instrument :
 MSVOA_X
 ClientSampled :
 DW-5

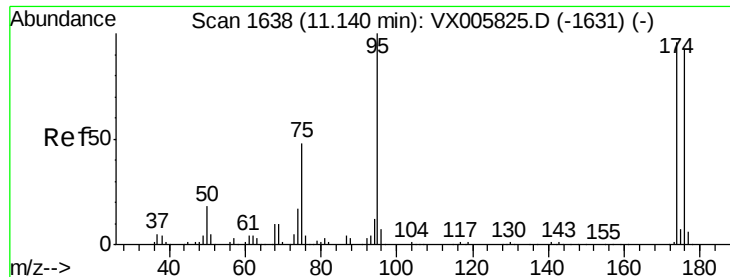
Tot Ion: 75 Resp: 322
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 54.5 38.2 57.2



#59
 2-Hexanone
 Concen: 0.331 ug/l
 RT: 9.50 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VX005928.D
 Acq: 13 Nov 2018 04:25

Tgt Ion: 43 Resp: 503
 Ion Ratio Lower Upper
 43 100
 58 60.2 25.9 77.8

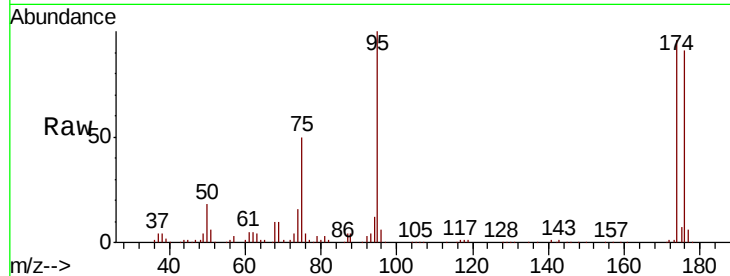




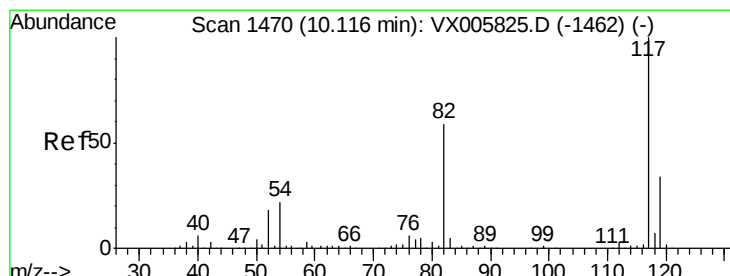
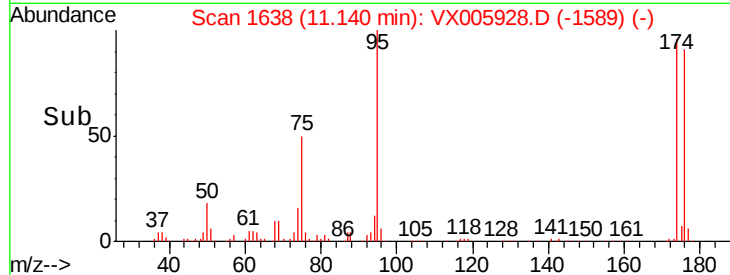
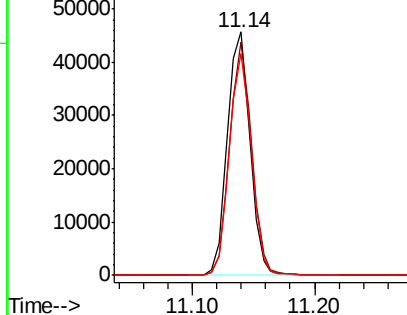
#62
4-Bromofluorobenzene
Concen: 48.225 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005928.D
Acq: 13 Nov 2018 04:25

Instrument :
MSVOA_X
ClientSampleId :
DW-5

Tot Ion: 95 Resp: 58330
Ion Ratio Lower Upper
95 100
174 93.2 0.0 184.4
176 89.3 0.0 177.4

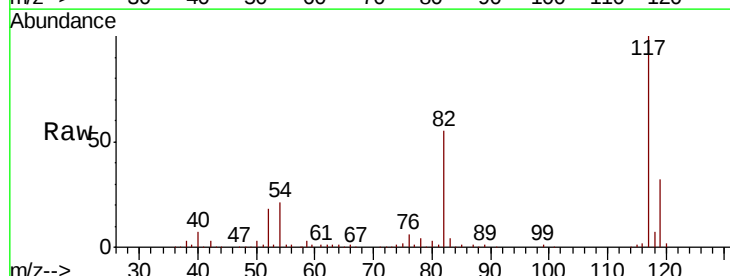


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

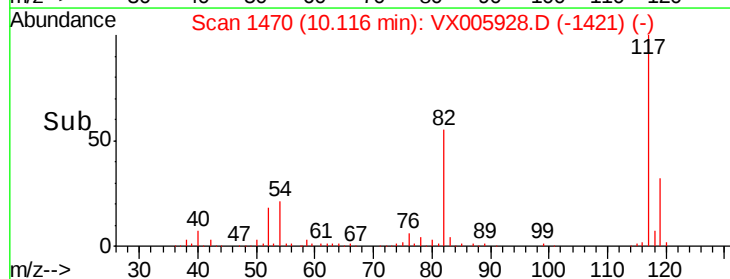
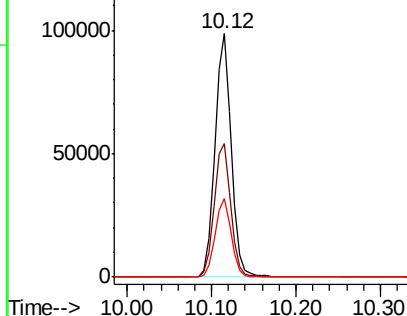


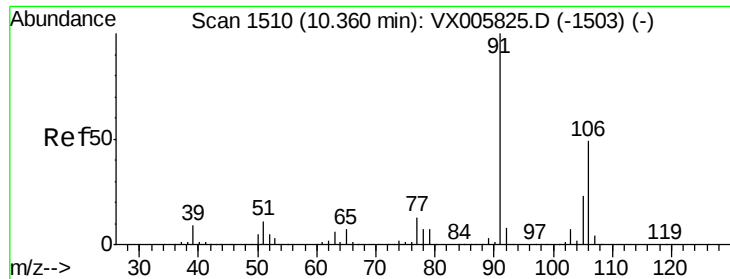
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005928.D
Acq: 13 Nov 2018 04:25

Tgt Ion: 117 Resp: 132205
Ion Ratio Lower Upper
117 100
82 54.9 44.1 66.1
119 32.3 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

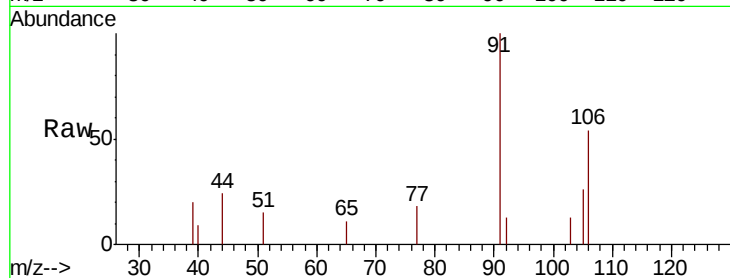




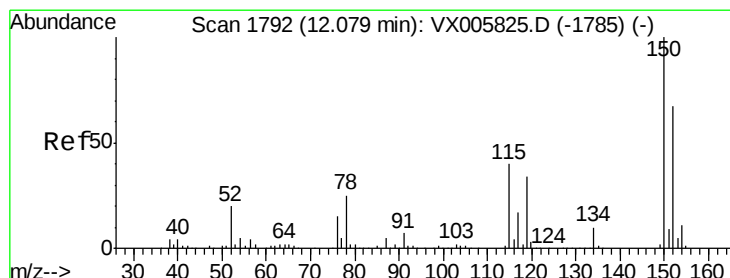
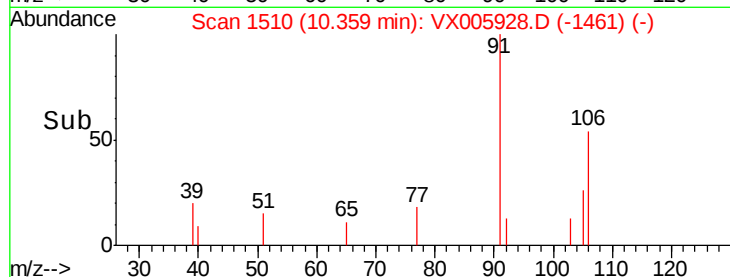
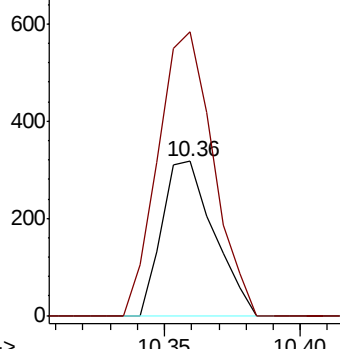
#68
m/p-Xvlenes
Concen: 0.259 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005928.D
Acq: 13 Nov 2018 04:25

Instrument :
MSVOA_X
ClientSampleId :
DW-5

Tot Ion:106 Resp: 420
Ion Ratio Lower Upper
106 100
91 195.5 164.2 246.4

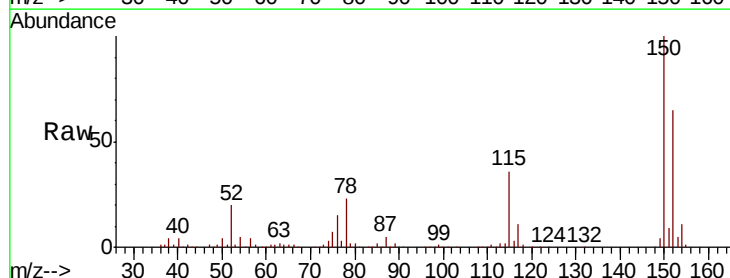


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

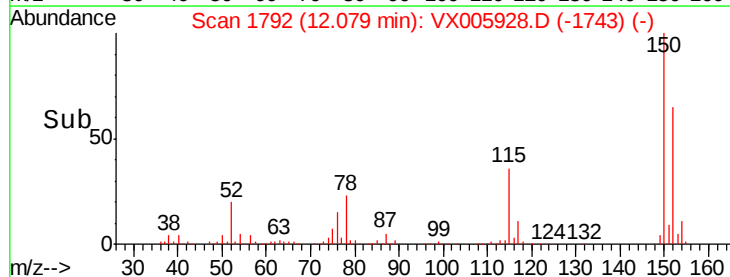
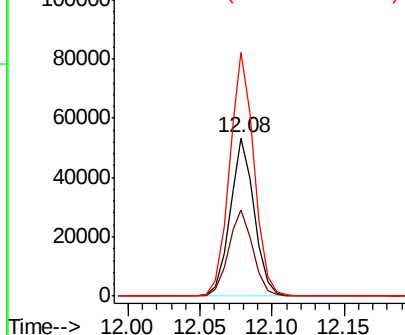


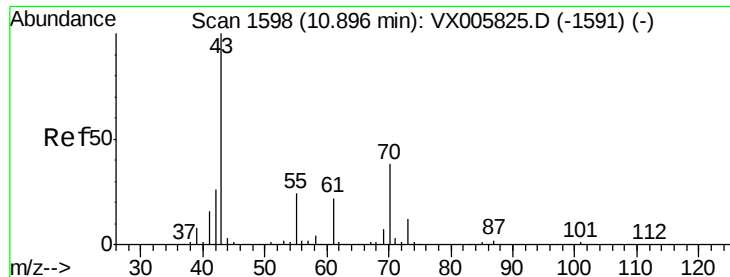
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005928.D
Acq: 13 Nov 2018 04:25

Tgt Ion:152 Resp: 62447
Ion Ratio Lower Upper
152 100
115 55.7 39.4 118.1
150 156.7 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.286 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX005928.D

Acq: 13 Nov 2018 04:25

Instrument :

MSVOA_X

ClientSampleId :

DW-5

Tot Ion: 43 Resp: 74

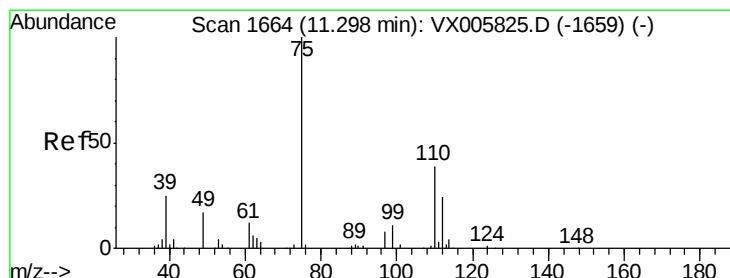
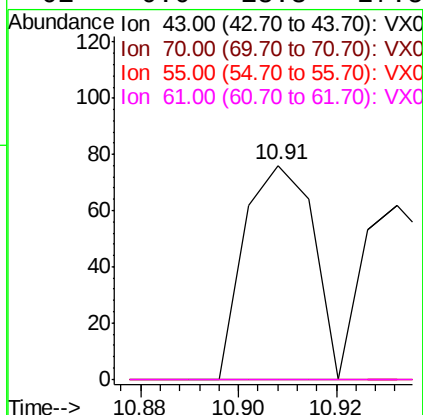
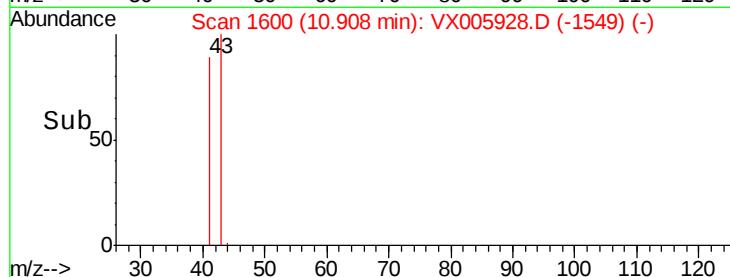
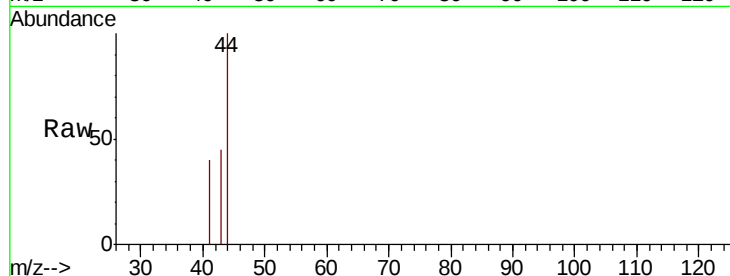
Ion Ratio Lower Upper

43 100

70 0.0 31.6 47.4#

55 0.0 19.7 29.5#

61 0.0 18.3 27.5#



#76

1,2,3-Trichloropropane

Concen: 23.368 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005928.D

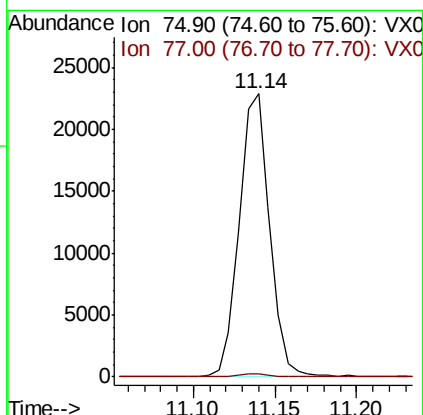
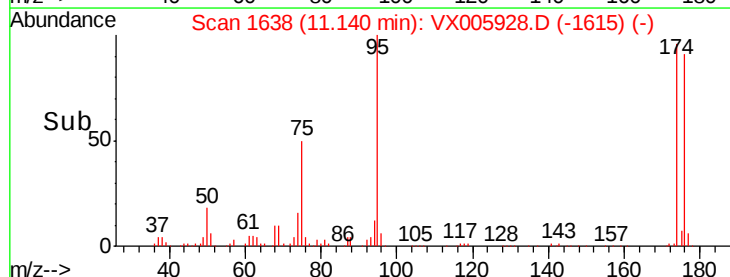
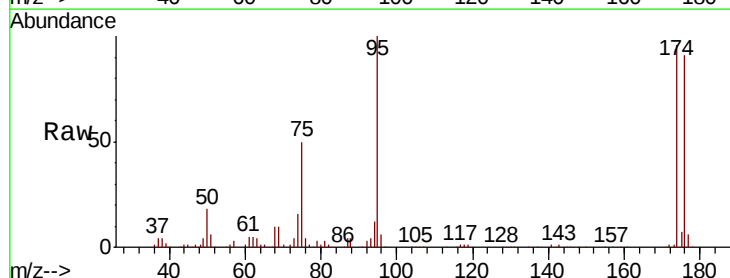
Acq: 13 Nov 2018 04:25

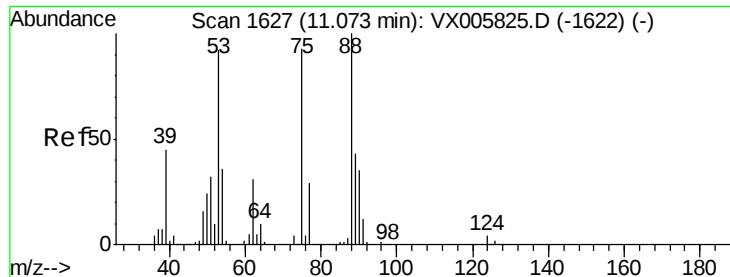
Tgt Ion: 75 Resp: 29714

Ion Ratio Lower Upper

75 100

77 1.2 20.5 61.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 74.478 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005928.D

Acq: 13 Nov 2018 04:25

Instrument :

MSVOA_X

ClientSampleId :

DW-5

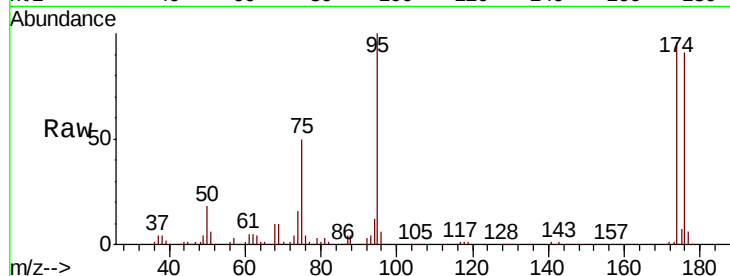
Tot Ion: 75 Resp: 29714

Ion Ratio Lower Upper

75 100

53 0.0 80.2 120.2#

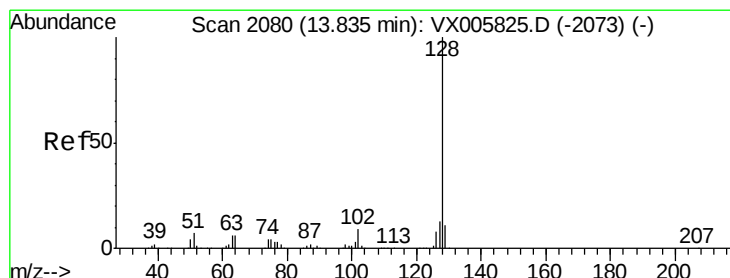
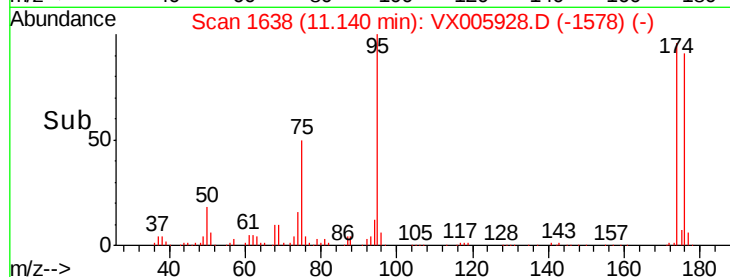
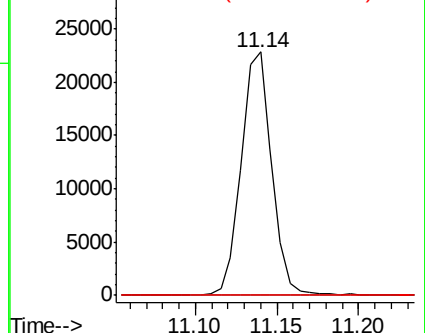
89 0.0 39.8 59.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#95

Naphthalene

Concen: 1.257 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005928.D

Acq: 13 Nov 2018 04:25

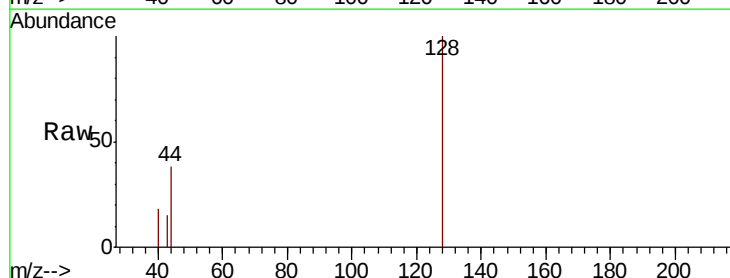
Tgt Ion: 128 Resp: 364

Ion Ratio Lower Upper

128 100

127 5.5 10.4 15.6#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

