

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005932.D
 Acq On : 13 Nov 2018 06:12
 Operator : JC/MD
 Sample : J5894-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DW-8

Quant Time: Nov 13 06:57:31 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	5.66	168	97320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	148972	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	128008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	62175	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	64680	57.81	ug/l	0.00
Spiked Amount			Recovery	=	115.62%	
35) Dibromofluoromethane	5.49	113	49728	49.08	ug/l	-0.01
Spiked Amount			Recovery	=	98.16%	
50) Toluene-d8	8.71	98	168733	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.14	95	57387	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	

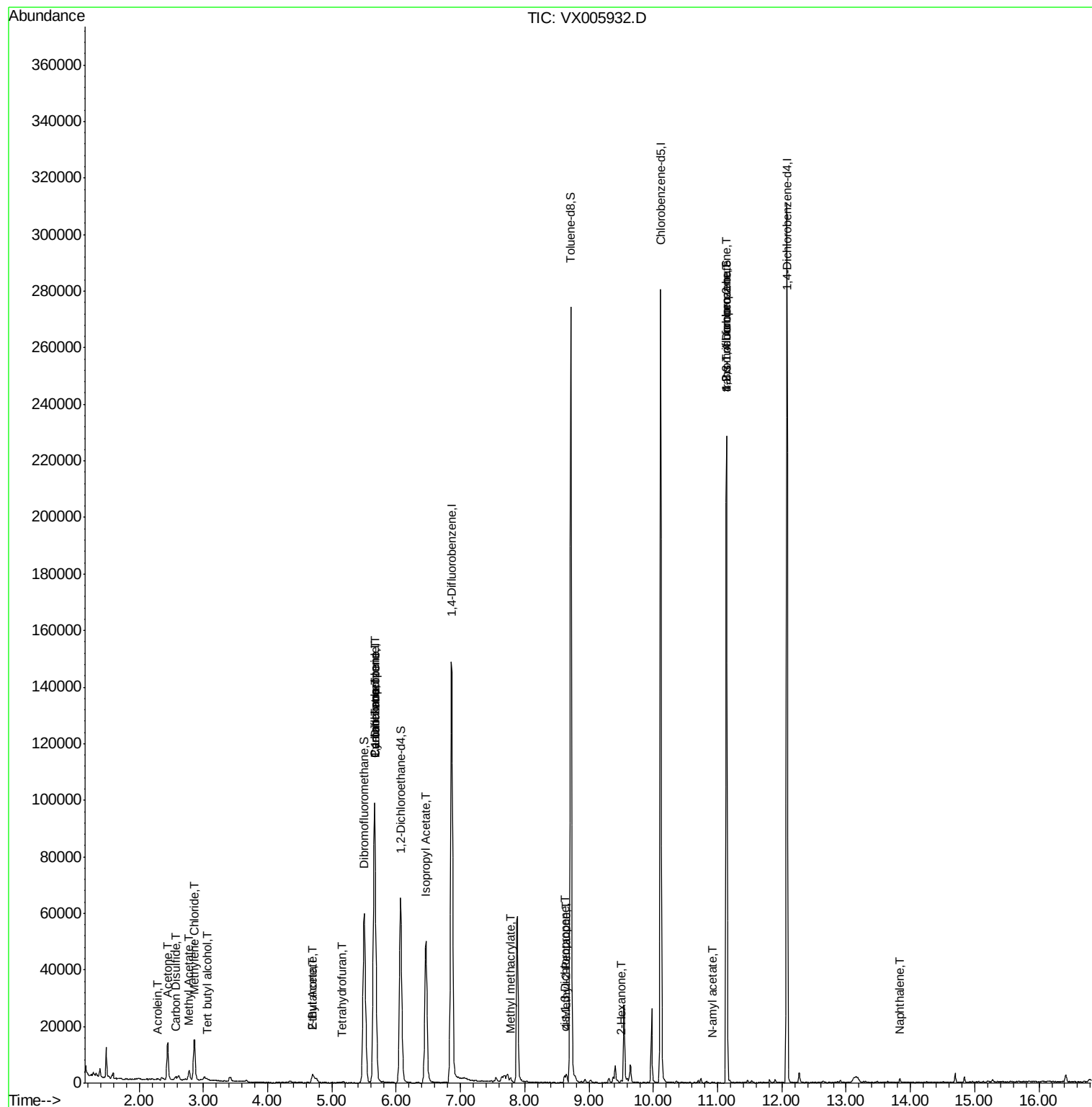
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.06	59	561	1.750	ug/l #	72
13) Acrolein	2.29	56	187	20.293	ug/l	83
16) Acetone	2.45	43	13832	22.961	ug/l	97
17) Carbon Disulfide	2.57	76	1306	0.509	ug/l #	90
18) Methyl Acetate	2.78	43	4071	1.070	ug/l	99
20) Methylene Chloride	2.86	84	6351	6.418	ug/l	94
25) 2-Butanone	4.70	43	5674	5.991	ug/l	91
29) Tetrahydrofuran	5.16	42	175	0.288	ug/l #	45
31) Cyclohexane	5.66	56	1873	1.202	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	7346	5.115	ug/l #	49
37) Ethyl Acetate	4.70	43	5674	3.004	ug/l #	69
38) Carbon Tetrachloride	5.66	117	9178	6.384	ug/l #	16
43) Isopropyl Acetate	6.46	43	67953	24.832	ug/l	99
48) Methyl methacrylate	7.78	41	760	0.619	ug/l #	79
51) 4-Methyl-2-Pentanone	8.65	43	2830	1.641	ug/l #	82
54) cis-1,3-Dichloropropene	8.62	75	361	0.249	ug/l #	74
59) 2-Hexanone	9.50	43	602	0.396	ug/l	91
74) N-amyl acetate	10.91	43	139	1.318	ug/l #	44
76) 1,2,3-Trichloropropane	11.14	75	29290	23.136	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	29290	73.737	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	277	Below Cal		81
95) Naphthalene	13.83	128	1039	1.404	ug/l #	95

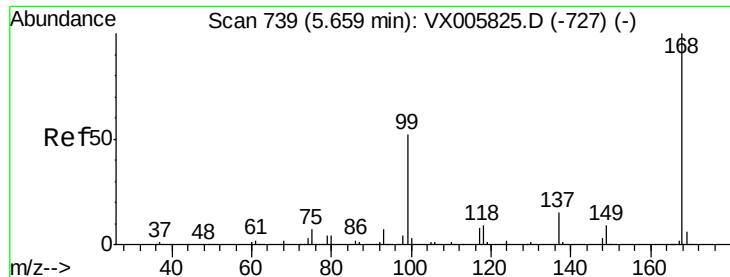
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 07 14:40:53 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005932.D

Acq: 13 Nov 2018 06:12

Instrument :

MSVOA_X

ClientSampleId :

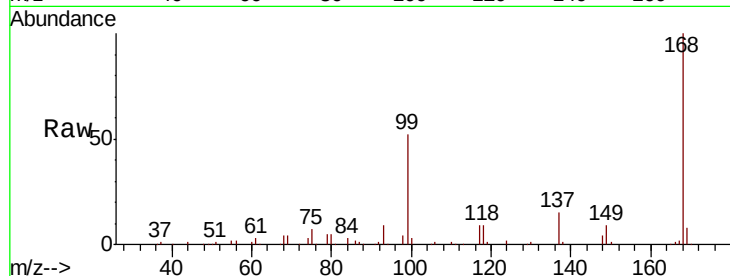
DW-8

Tot Ion:168 Resp: 97320

Ion Ratio Lower Upper

168 100

99 52.3 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

30000

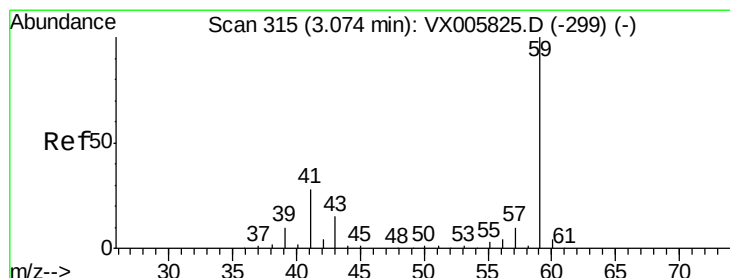
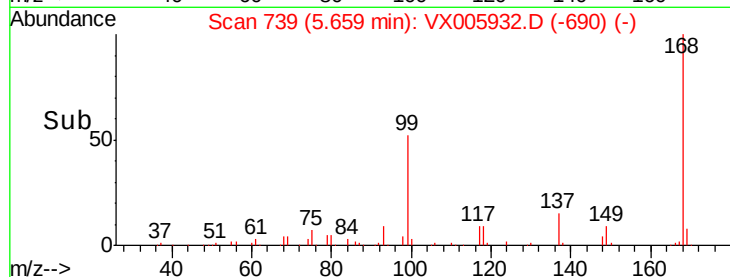
20000

10000

0

5.60 5.70 5.80

Time-->



#11

Tert butyl alcohol

Concen: 1.750 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX005932.D

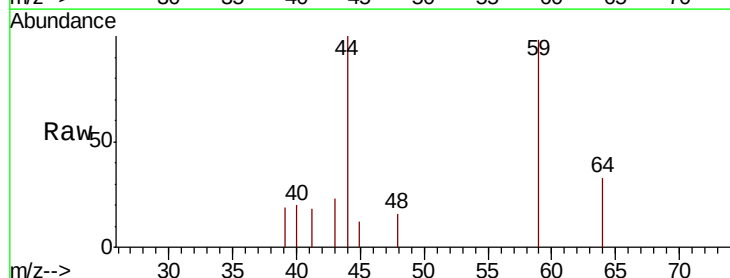
Acq: 13 Nov 2018 06:12

Tgt Ion: 59 Resp: 561

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.06

500

400

300

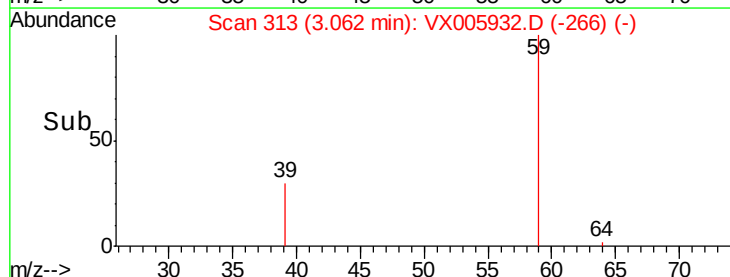
200

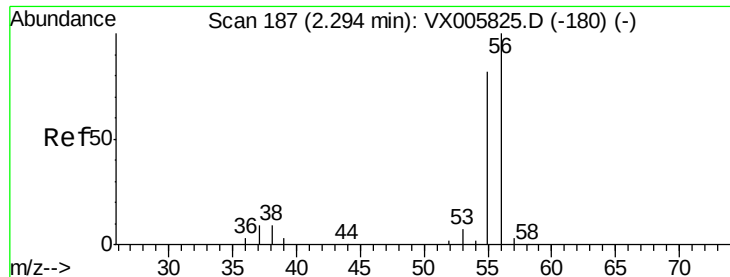
100

0

3.04 3.06 3.08 3.10

Time-->





#13

Acrolein

Concen: 20.293 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX005932.D

Acq: 13 Nov 2018 06:12

Instrument :

MSVOA_X

ClientSampleId :

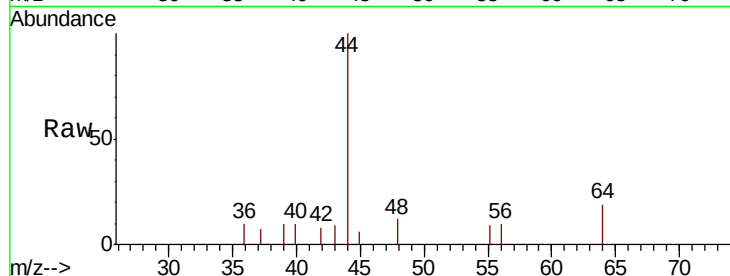
DW-8

Tot Ion: 56 Resp: 187

Ion Ratio Lower Upper

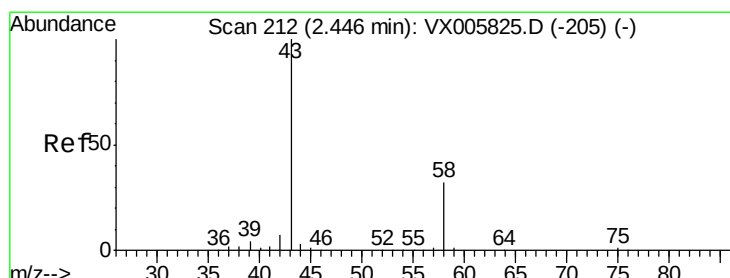
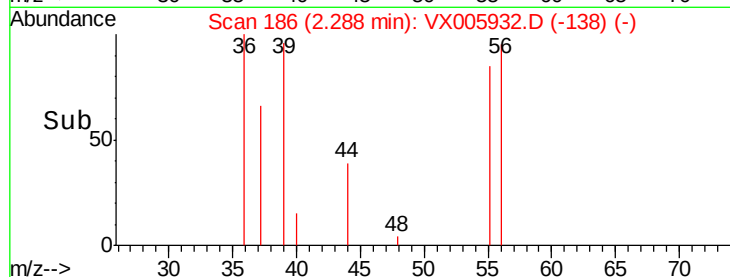
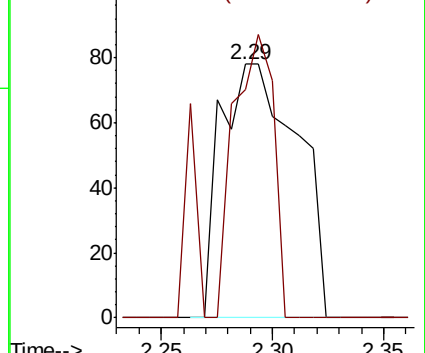
56 100

55 57.8 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 22.961 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005932.D

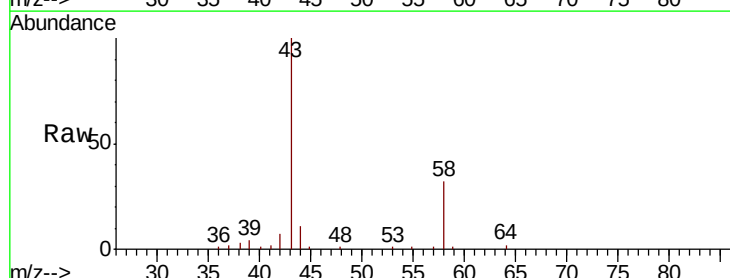
Acq: 13 Nov 2018 06:12

Tgt Ion: 43 Resp: 13832

Ion Ratio Lower Upper

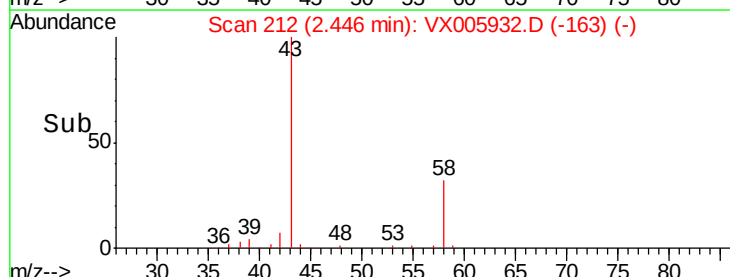
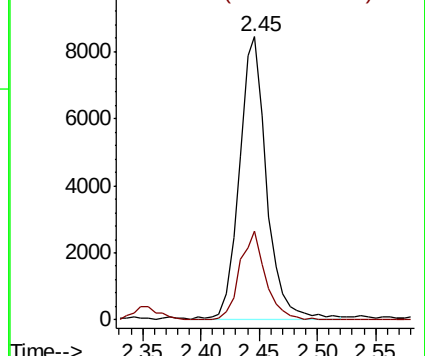
43 100

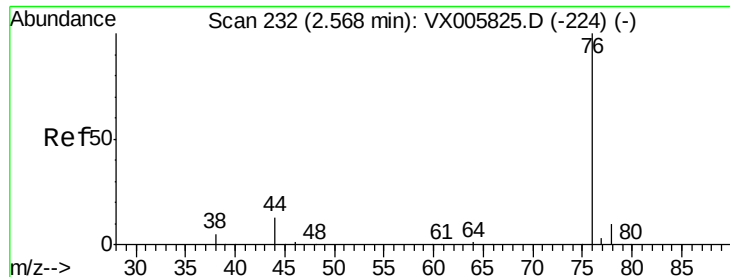
58 31.5 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.509 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX005932.D

Acq: 13 Nov 2018 06:12

Instrument :

MSVOA_X

ClientSampleId :

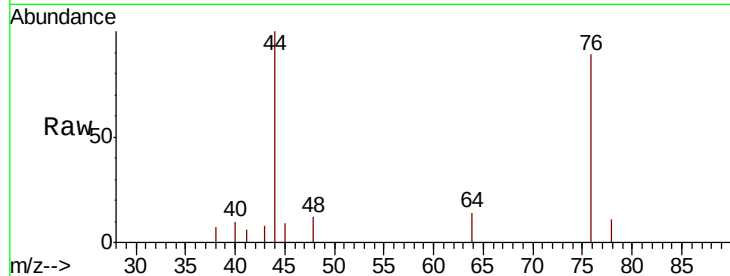
DW-8

Tot Ion: 76 Resp: 1306

Ion Ratio Lower Upper

76 100

78 12.7 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800

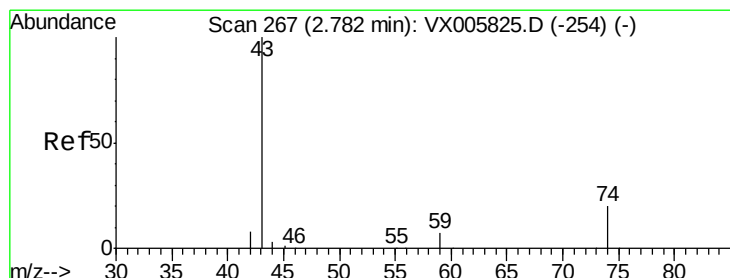
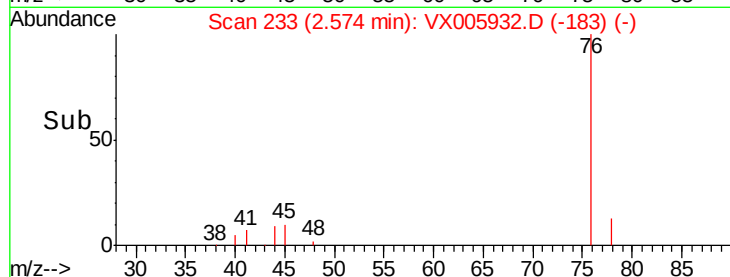
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 1.070 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005932.D

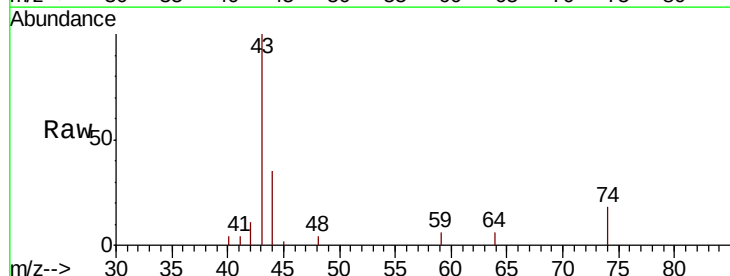
Acq: 13 Nov 2018 06:12

Tgt Ion: 43 Resp: 4071

Ion Ratio Lower Upper

43 100

74 20.5 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

2500

2000

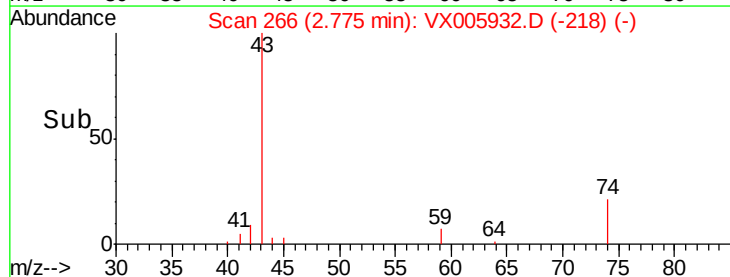
1500

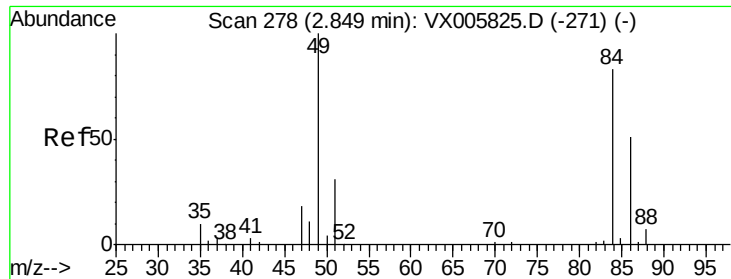
1000

500

0

Time-->

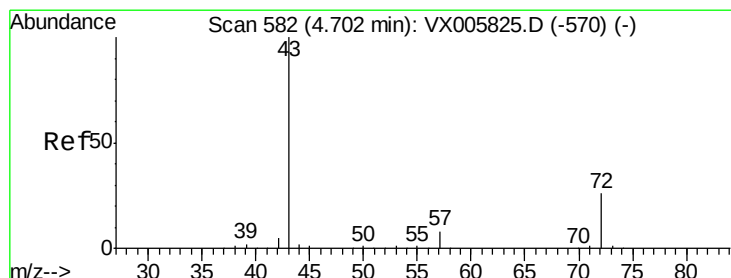
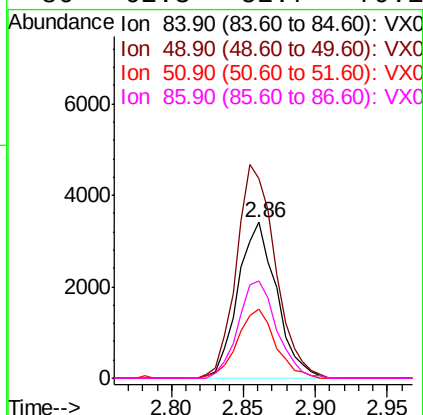
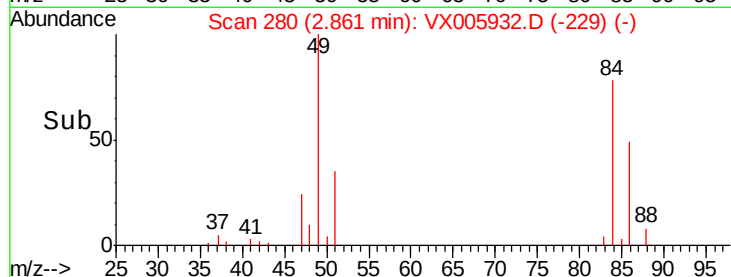
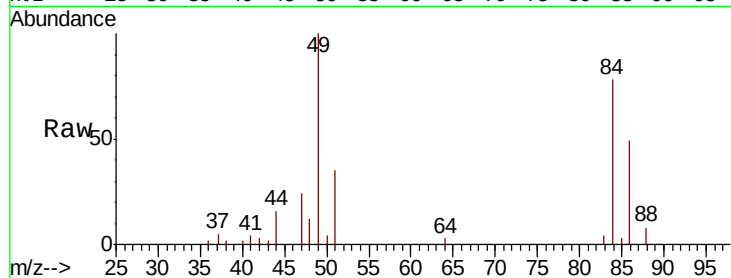




#20
Methvlene Chloride
Concen: 6.418 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005932.D
Acq: 13 Nov 2018 06:12

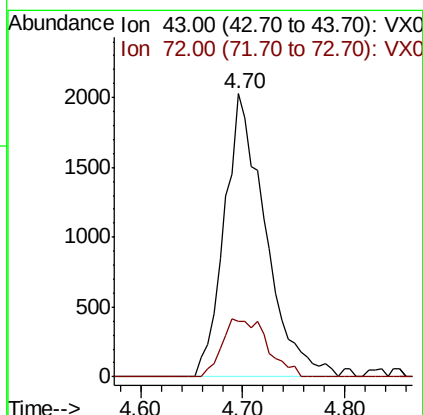
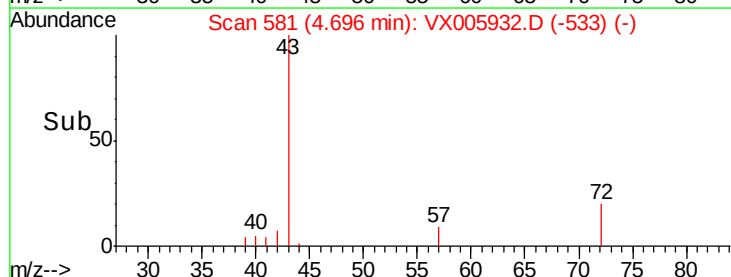
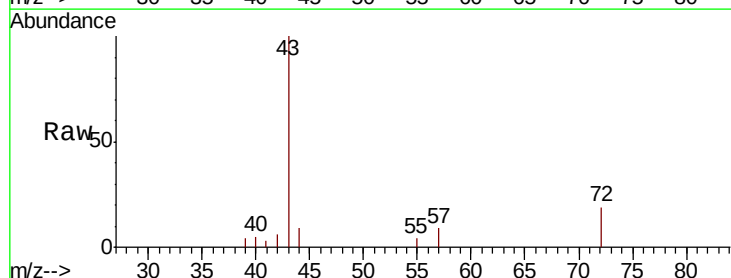
Instrument :
MSVOA_X
ClientSampleId :
DW-8

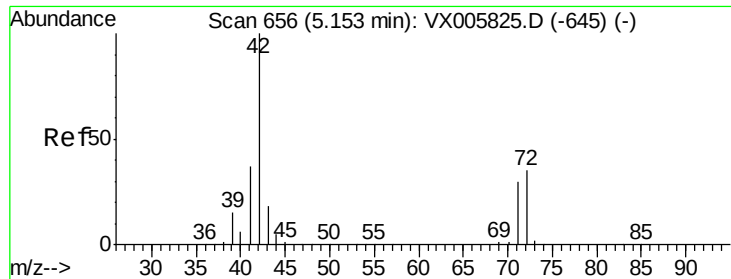
Tot Ion: 84 Resp: 6351
Ion Ratio Lower Upper
84 100
49 128.3 109.5 164.3
51 44.6 33.3 49.9
86 62.3 52.7 79.1



#25
2-Butanone
Concen: 5.991 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.01 min
Lab File: VX005932.D
Acq: 13 Nov 2018 06:12

Tgt Ion: 43 Resp: 5674
Ion Ratio Lower Upper
43 100
72 19.5 19.2 28.8

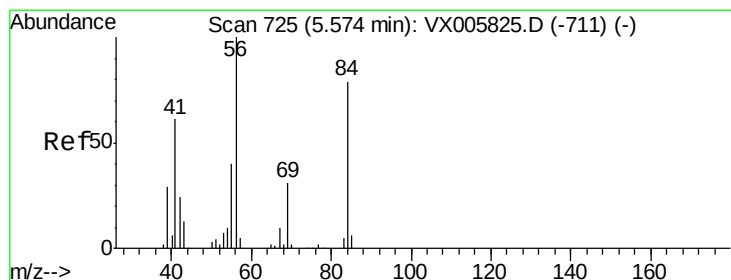
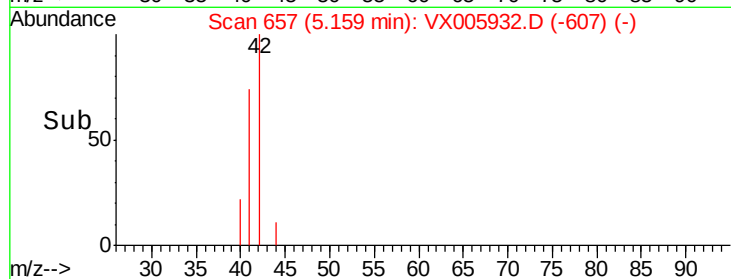
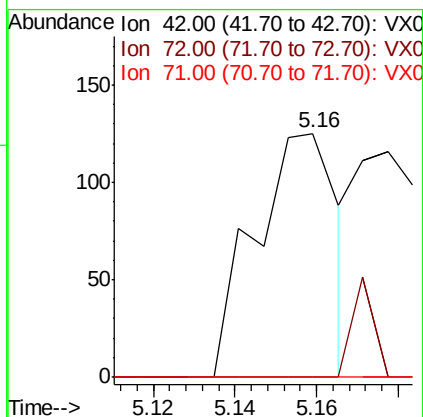
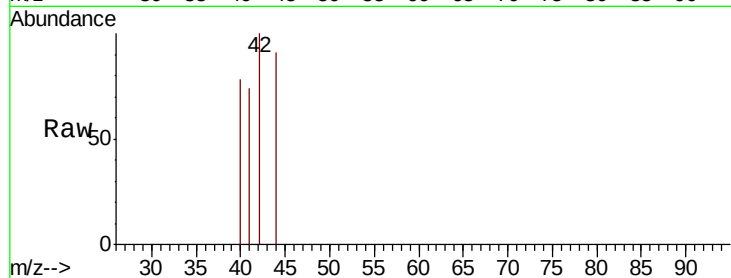




#29
Tetrahydrofuran
Concen: 0.288 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005932.D
Acq: 13 Nov 2018 06:12

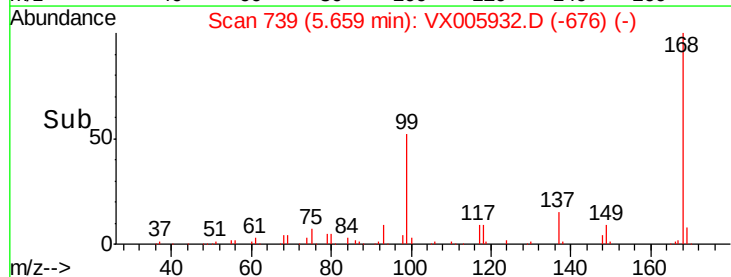
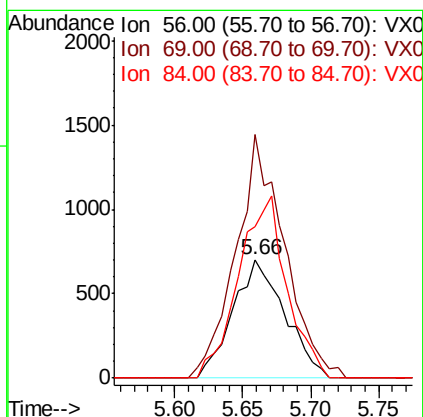
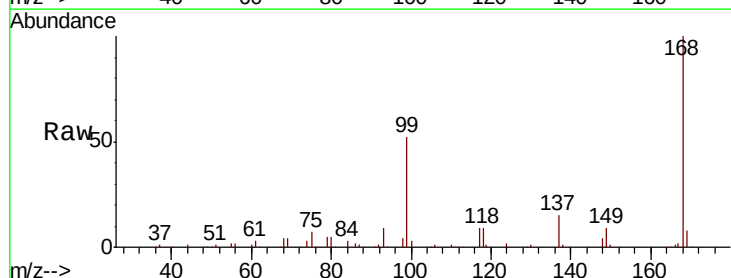
Instrument :
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ClientSampleId :
DW-8

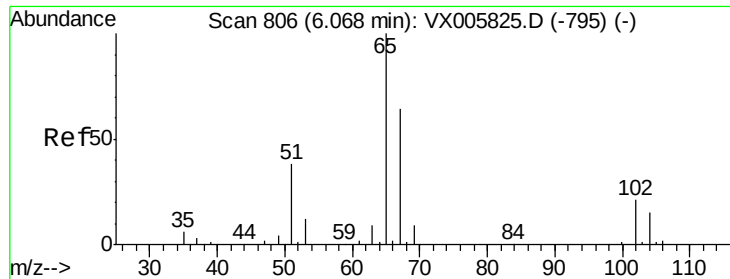
Tot Ion: 42 Resp: 175
Ion Ratio Lower Upper
42 100
72 10.9 32.0 48.0#
71 0.0 29.8 44.8#



#31
Cyclohexane
Concen: 1.202 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005932.D
Acq: 13 Nov 2018 06:12

Tgt Ion: 56 Resp: 1873
Ion Ratio Lower Upper
56 100
69 205.6 22.6 34.0#
84 127.5 62.7 94.1#

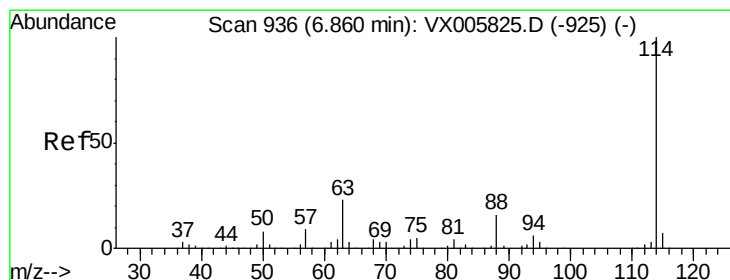
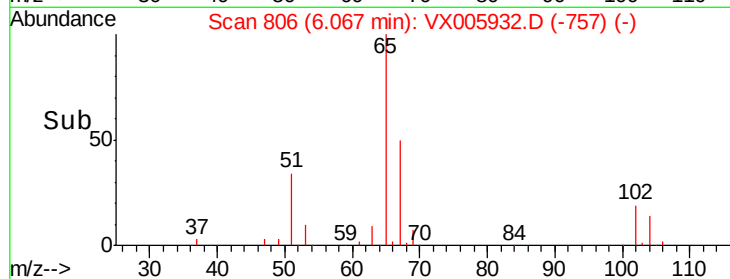
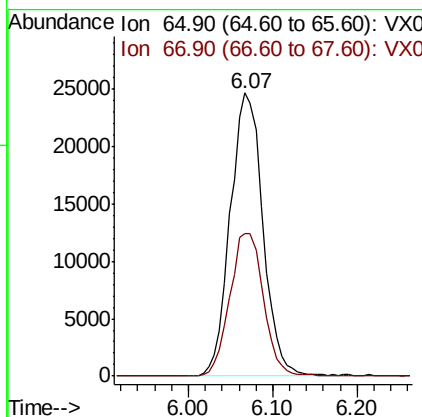
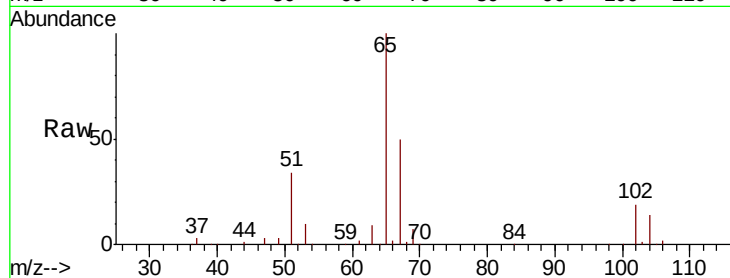




#33
 1,2-Dichloroethane-d4
 Concen: 57.811 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005932.D
 Acq: 13 Nov 2018 06:12

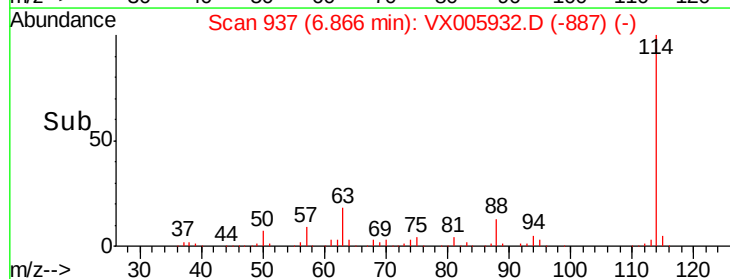
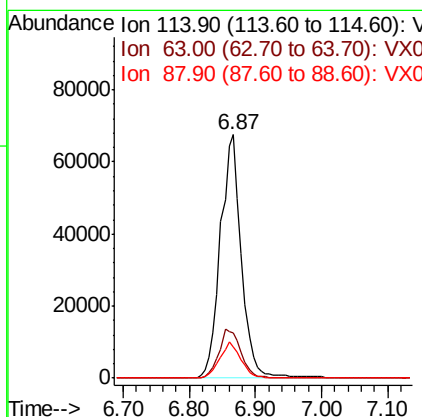
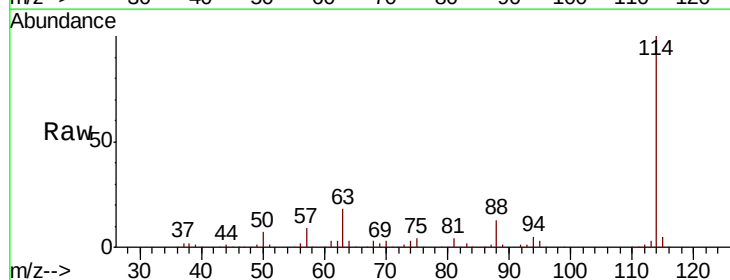
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 ClientSampled :
 DW-8

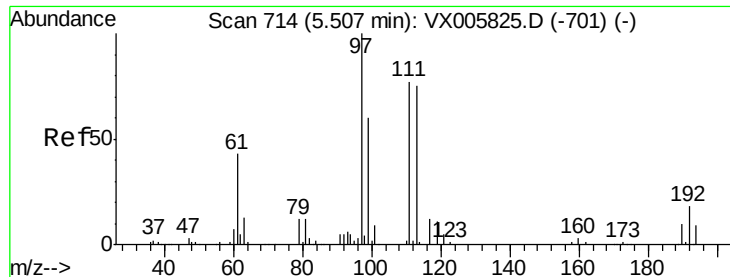
Tot Ion: 65 Resp: 64680
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005932.D
 Acq: 13 Nov 2018 06:12

Tgt Ion: 114 Resp: 148972
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 42.8
 88 12.9 0.0 31.2

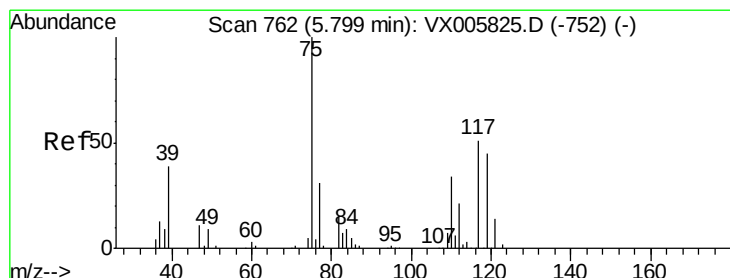
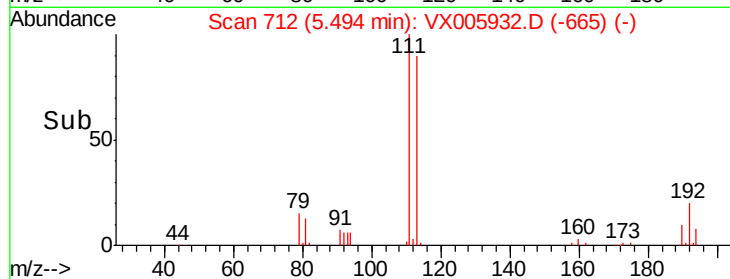
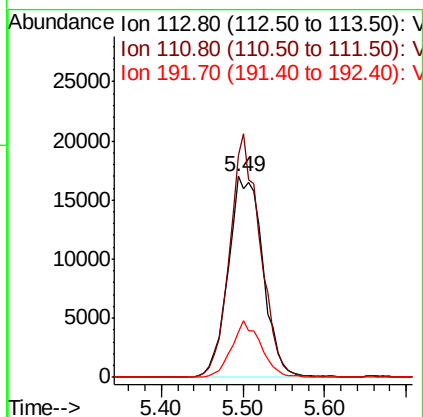
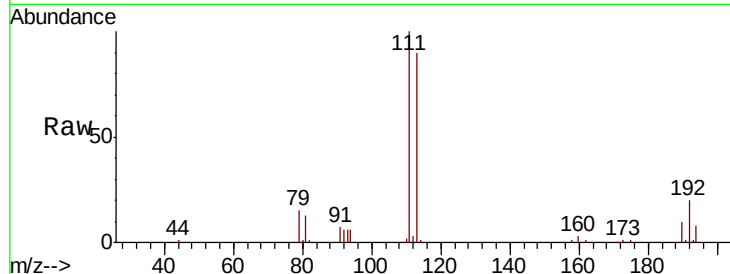




#35
 Dibromofluoromethane
 Concen: 49.078 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX005932.D
 Acq: 13 Nov 2018 06:12

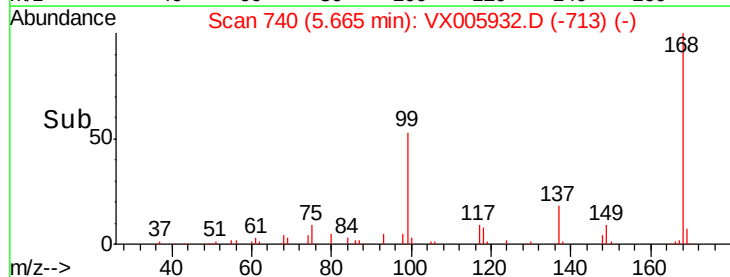
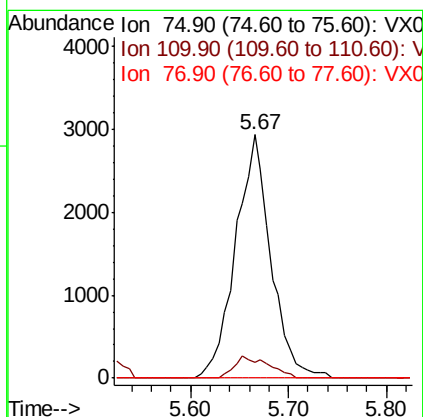
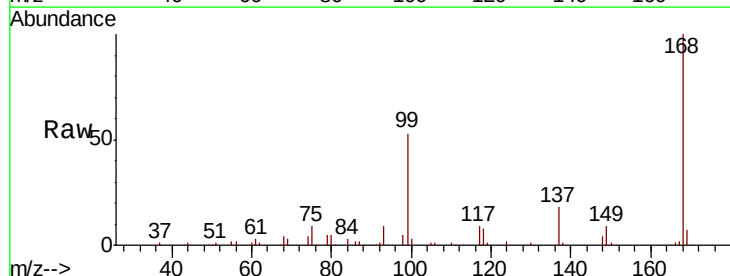
Instrument :
 MSVOA_X
 ClientSampled :
 DW-8

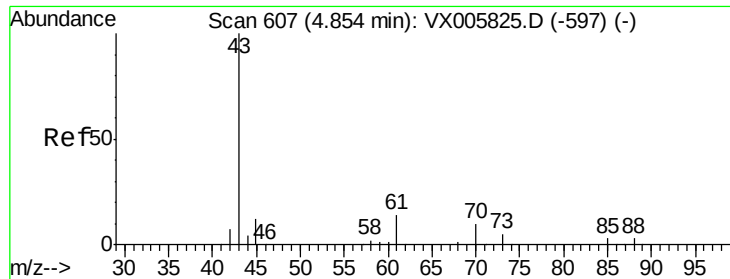
Tot Ion:113 Resp: 49728
 Ion Ratio Lower Upper
 113 100
 111 106.2 82.3 123.5
 192 23.7 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 5.115 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005932.D
 Acq: 13 Nov 2018 06:12

Tgt Ion: 75 Resp: 7346
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.4 52.2#
 77 0.0 25.8 38.6#

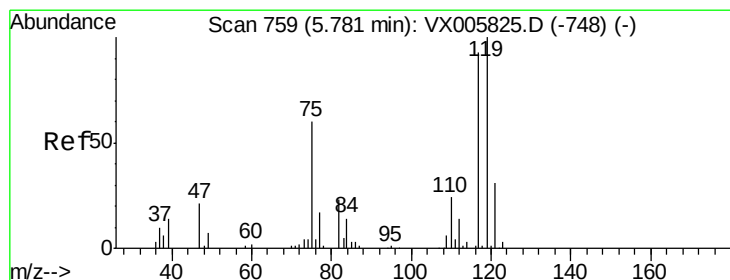
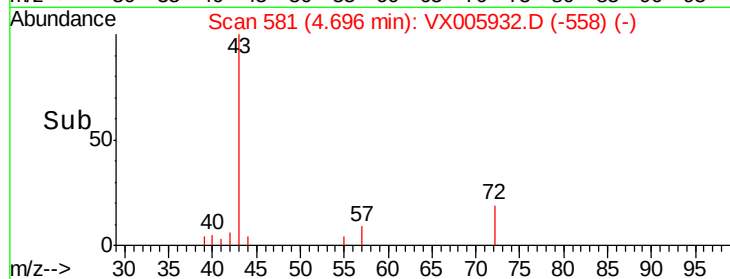
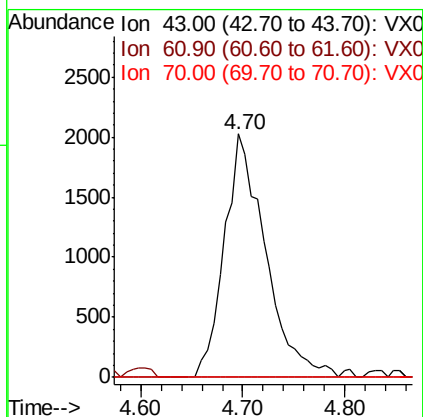
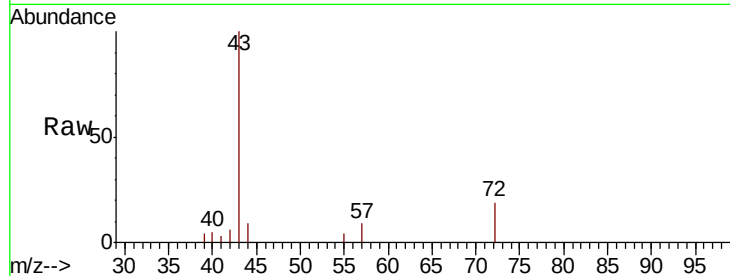




#37
Ethyl Acetate
Concen: 3.004 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.16 min
Lab File: VX005932.D
Acq: 13 Nov 2018 06:12

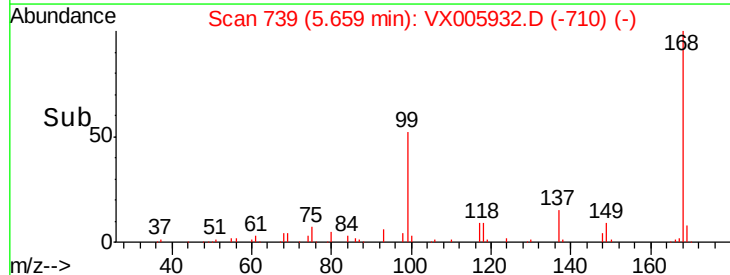
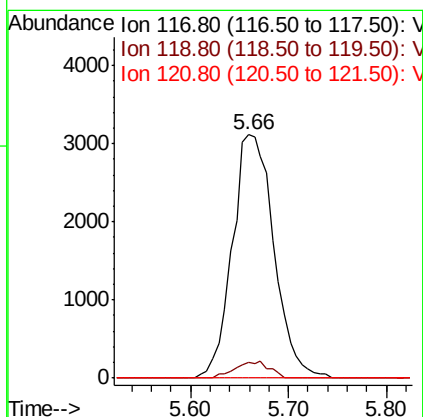
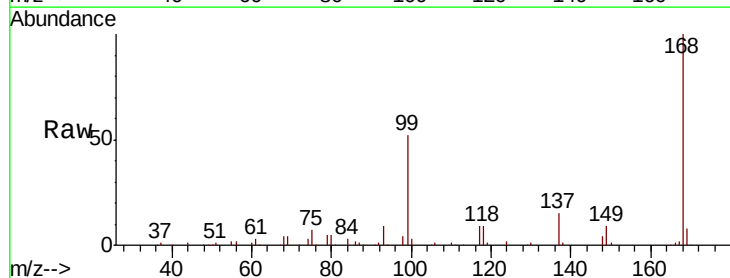
Instrument :
MSVOA_X
ClientSampled :
DW-8

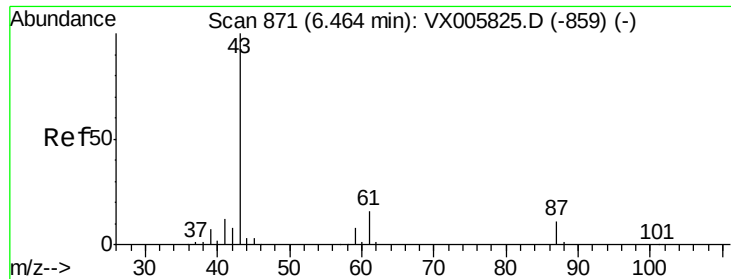
Tot Ion: 43 Resp: 5674
Ion Ratio Lower Upper
43 100
61 0.0 10.8 16.2#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 6.384 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX005932.D
Acq: 13 Nov 2018 06:12

Tgt Ion: 117 Resp: 9178
Ion Ratio Lower Upper
117 100
119 6.6 78.1 117.1#
121 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: 24.832 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX005932.D

Acq: 13 Nov 2018 06:12

Instrument :

MSVOA_X

ClientSampleId :

DW-8

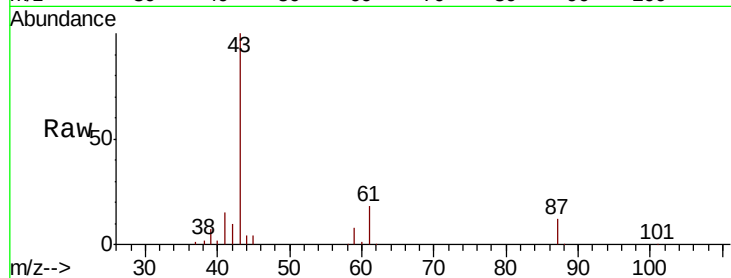
Tot Ion: 43 Resp: 67953

Ion Ratio Lower Upper

43 100

61 18.5 14.6 22.0

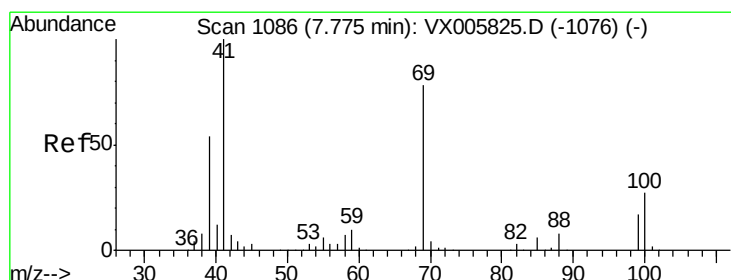
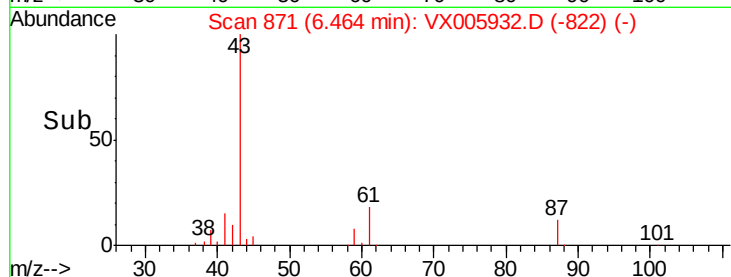
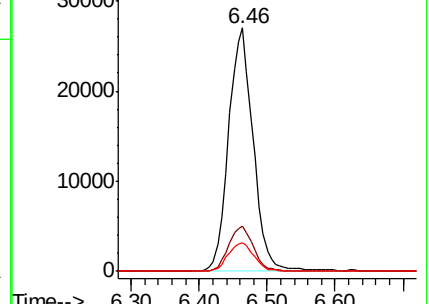
87 12.4 9.6 14.4



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

Methyl methacrylate

Concen: 0.619 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.01 min

Lab File: VX005932.D

Acq: 13 Nov 2018 06:12

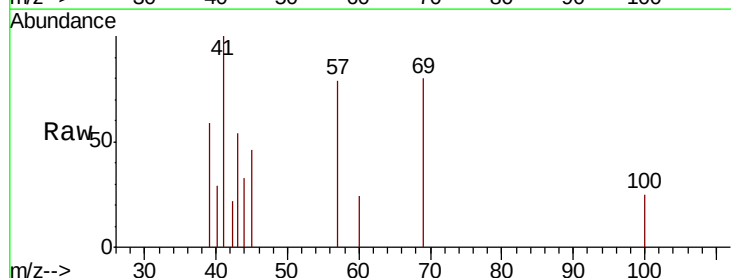
Tgt Ion: 41 Resp: 760

Ion Ratio Lower Upper

41 100

69 57.0 63.2 94.8#

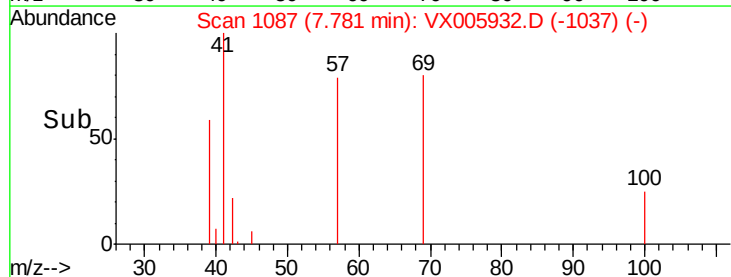
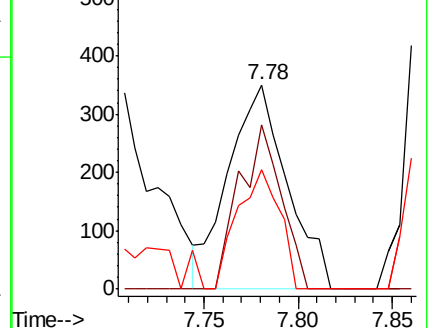
39 41.8 42.2 63.2#

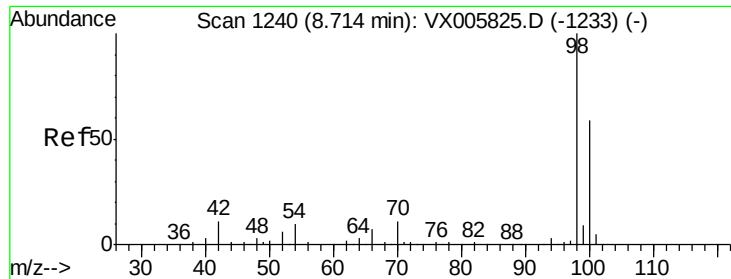


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

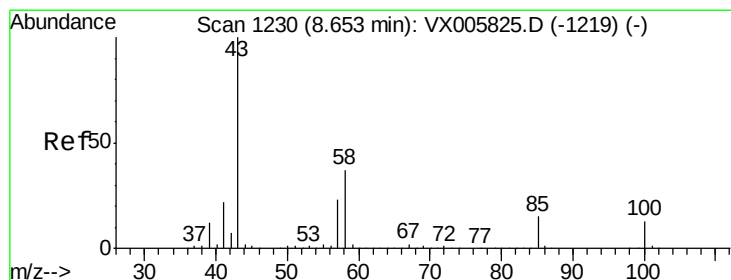
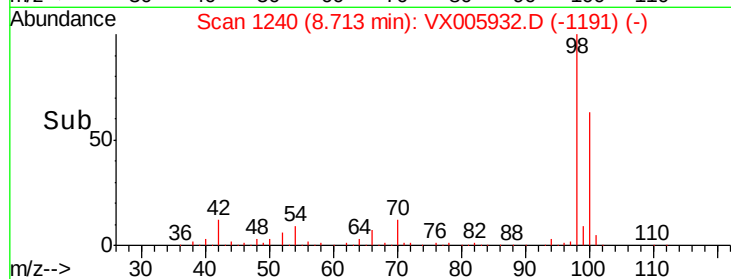
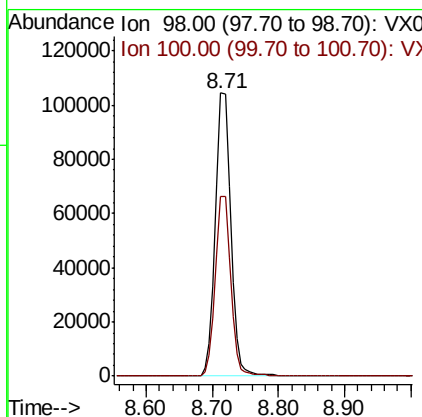
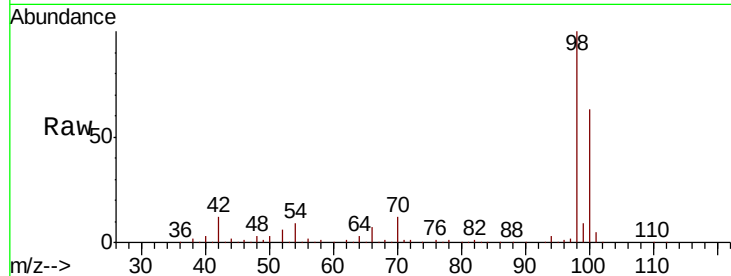




#50
Toluene-d8
Concen: 50.090 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005932.D
Acq: 13 Nov 2018 06:12

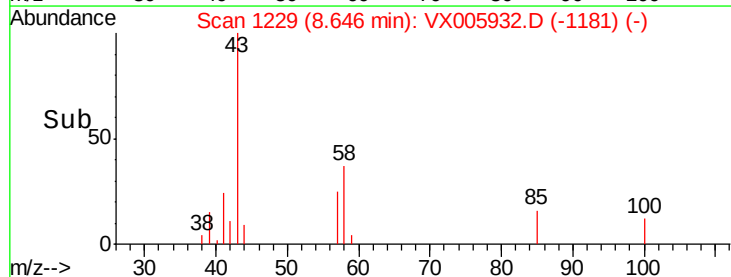
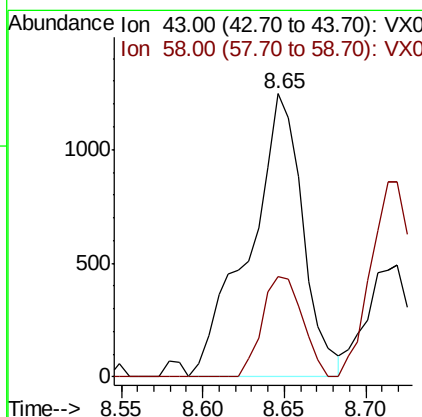
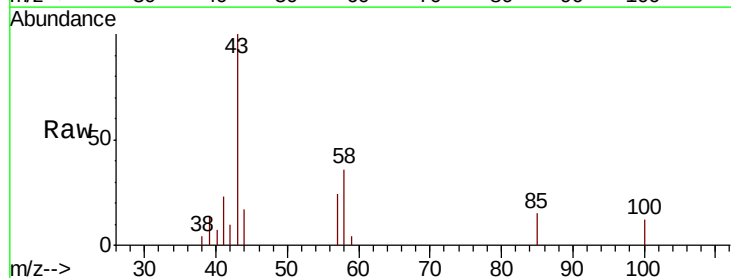
Instrument :
MSVOA_X
ClientSampled :
DW-8

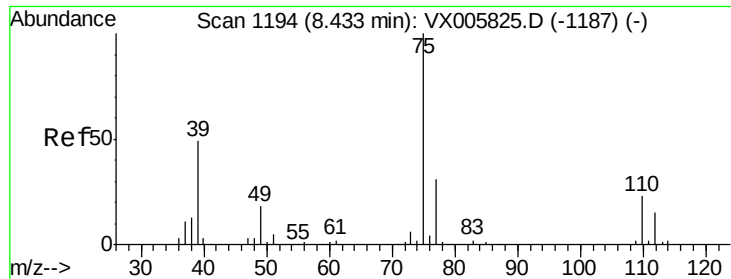
Tot Ion: 98 Resp: 168733
Ion Ratio Lower Upper
98 100
100 63.2 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 1.641 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX005932.D
Acq: 13 Nov 2018 06:12

Tgt Ion: 43 Resp: 2830
Ion Ratio Lower Upper
43 100
58 26.6 29.7 44.5#



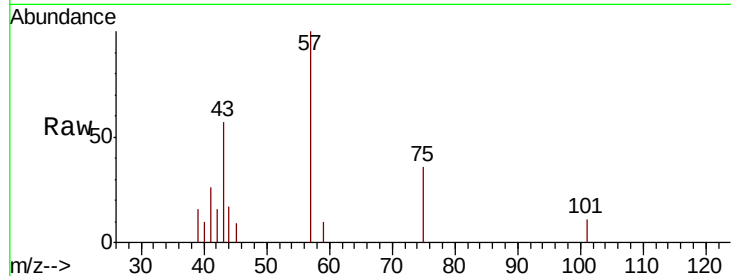


#54

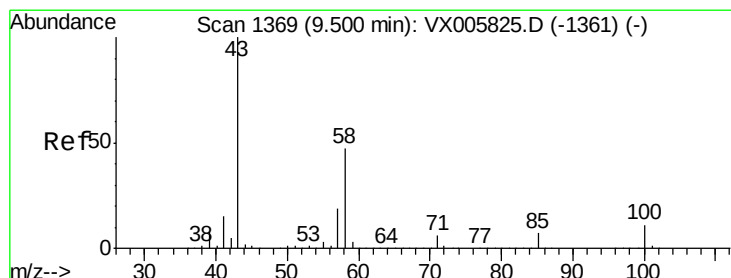
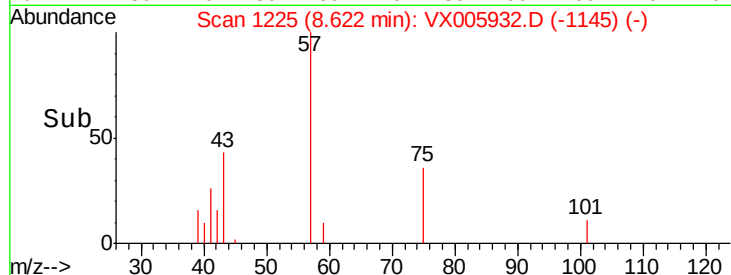
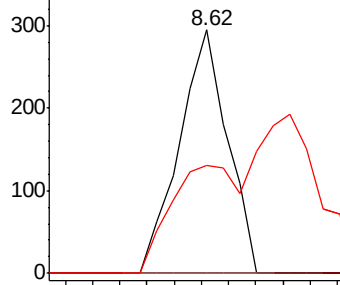
cis-1,3-Dichloropropene
 Concen: 0.249 ug/l
 RT: 8.62 min Scan# 1225
 Delta R.T. 0.19 min
 Lab File: VX005932.D
 Acq: 13 Nov 2018 06:12

Instrument :
 MSVOA_X
 ClientSampleID :
 DW-8

Tot Ion: 75 Resp: 361
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 44.4 38.2 57.2



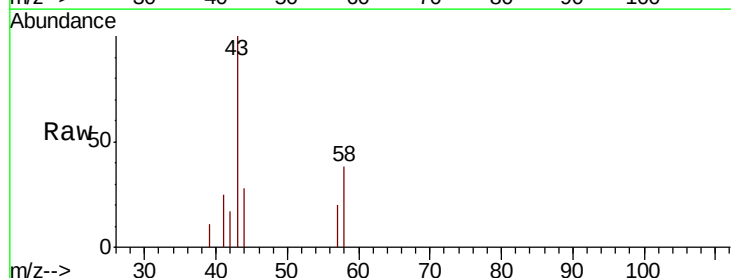
Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 76.90 (76.60 to 77.60): VX0
 Ion 39.00 (38.70 to 39.70): VX0



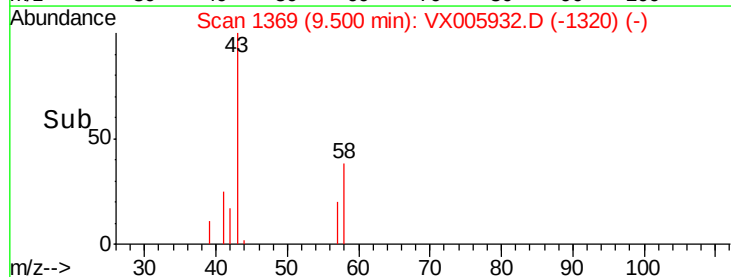
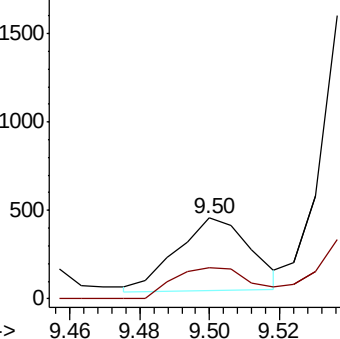
#59

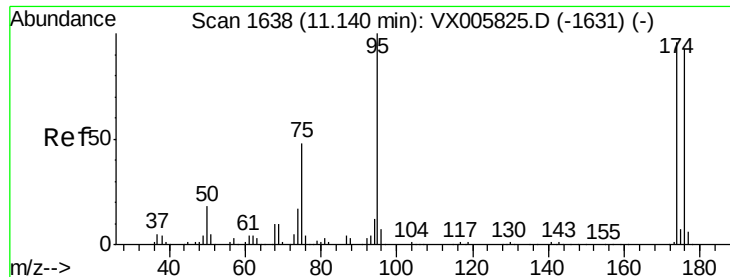
2-Hexanone
 Concen: 0.396 ug/l
 RT: 9.50 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VX005932.D
 Acq: 13 Nov 2018 06:12

Tgt Ion: 43 Resp: 602
 Ion Ratio Lower Upper
 43 100
 58 45.8 25.9 77.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

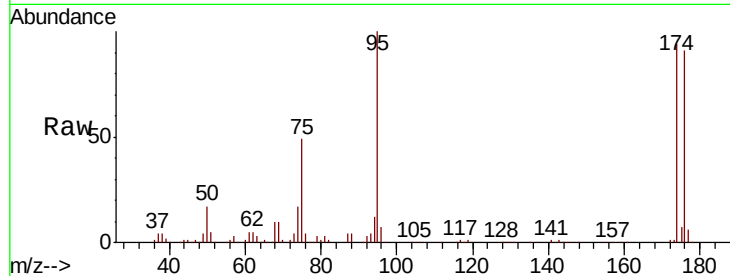




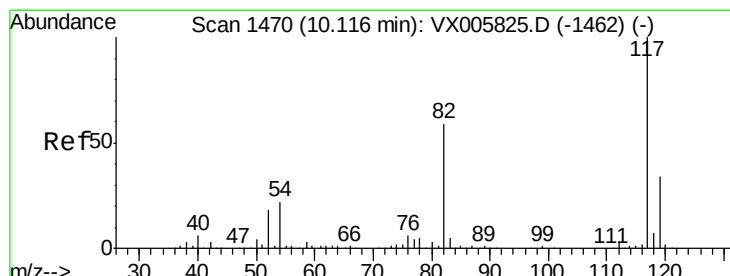
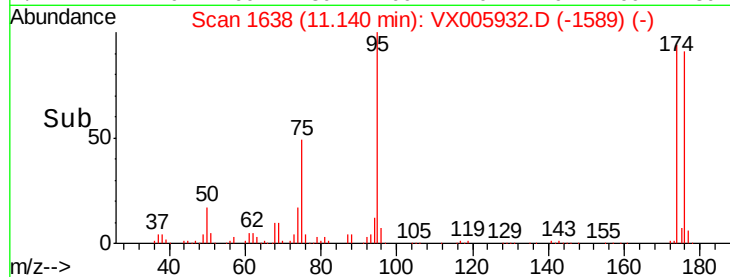
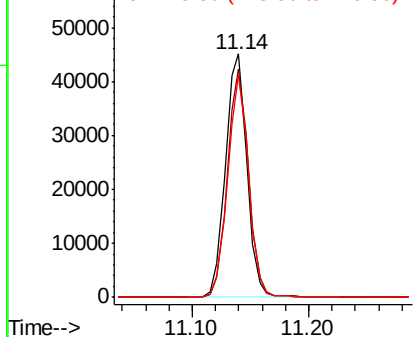
#62
4-Bromofluorobenzene
Concen: 47.383 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005932.D
Acq: 13 Nov 2018 06:12

Instrument :
MSVOA_X
ClientSampled :
DW-8

Tot Ion: 95 Resp: 57387
Ion Ratio Lower Upper
95 100
174 93.0 0.0 184.4
176 89.2 0.0 177.4

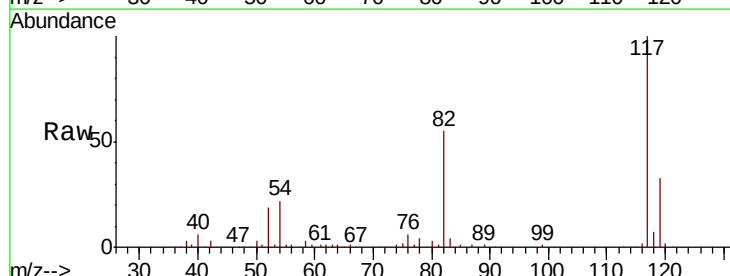


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

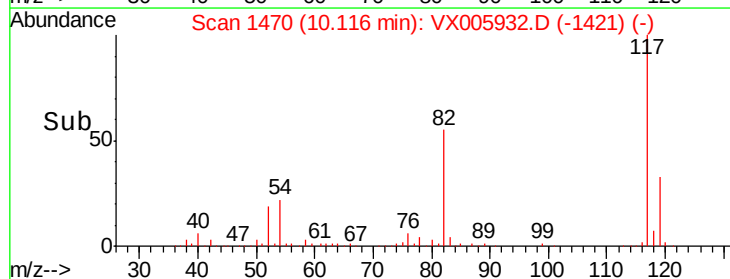
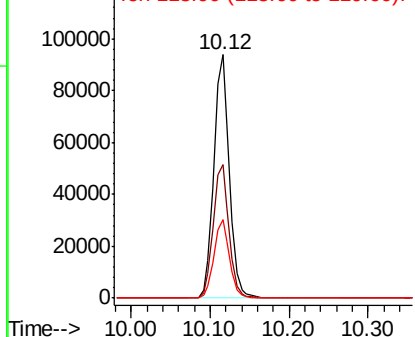


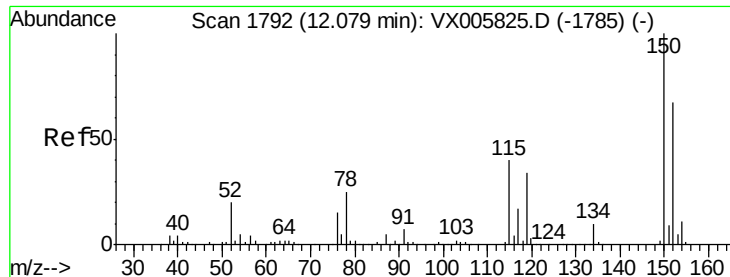
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005932.D
Acq: 13 Nov 2018 06:12

Tgt Ion: 117 Resp: 128008
Ion Ratio Lower Upper
117 100
82 54.8 44.1 66.1
119 32.5 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

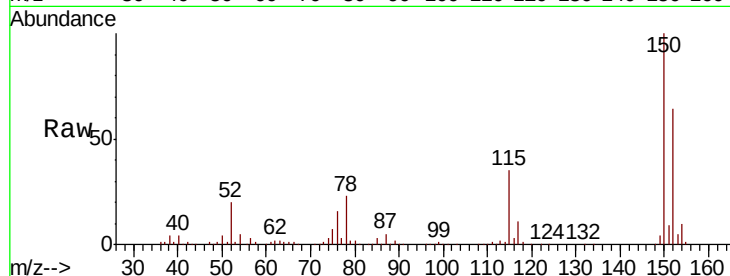




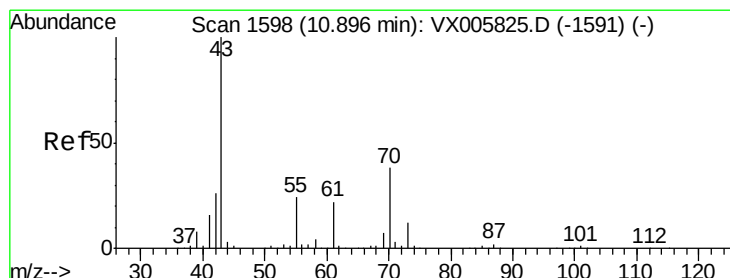
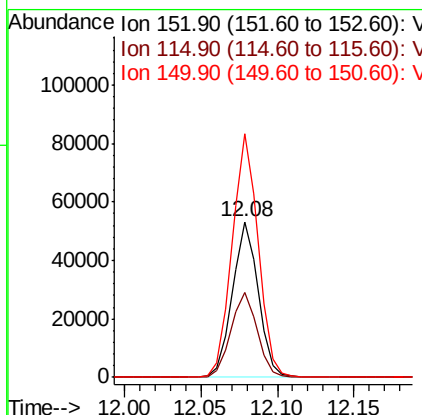
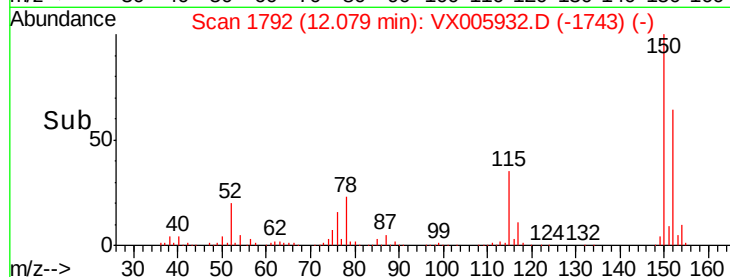
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX005932.D
 Acq: 13 Nov 2018 06:12

Instrument :
 MSVOA_X
 ClientSampled :
 DW-8

Tot Ion:152 Resp: 62175
 Ion Ratio Lower Upper
 152 100
 115 55.3 39.4 118.1
 150 157.3 0.0 346.4

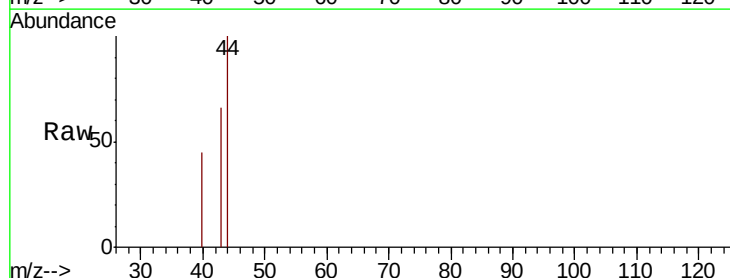


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

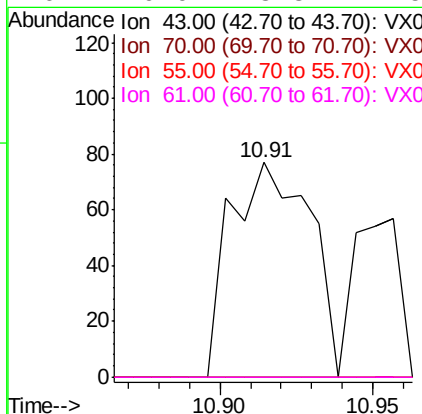
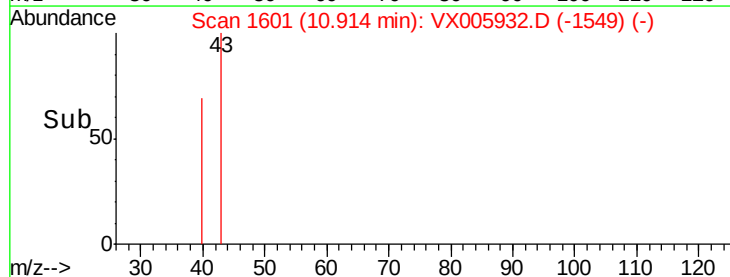


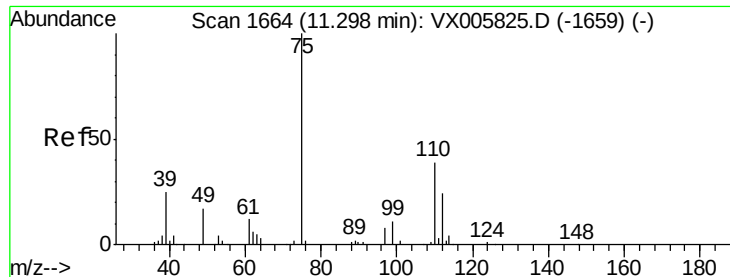
#74
 N-ethyl acetate
 Concen: 1.318 ug/l
 RT: 10.91 min Scan# 1601
 Delta R.T. 0.02 min
 Lab File: VX005932.D
 Acq: 13 Nov 2018 06:12

Tgt Ion: 43 Resp: 139
 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#



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 70.00 (69.70 to 70.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 23.136 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005932.D

Acq: 13 Nov 2018 06:12

Instrument :

MSVOA_X

ClientSampleId :

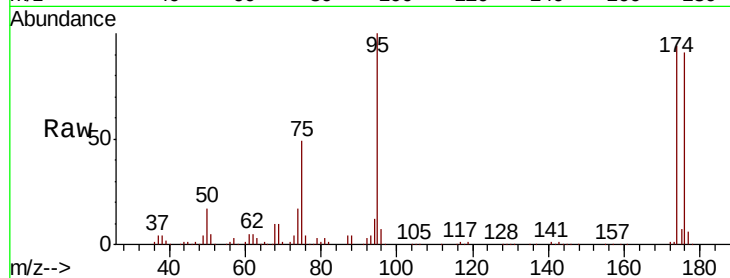
DW-8

Tot Ion: 75 Resp: 29290

Ion Ratio Lower Upper

75 100

77 1.1 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

25000

20000

15000

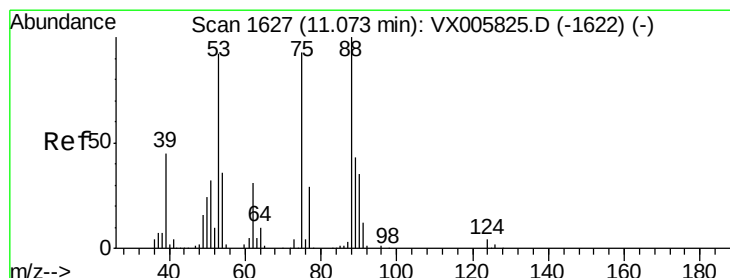
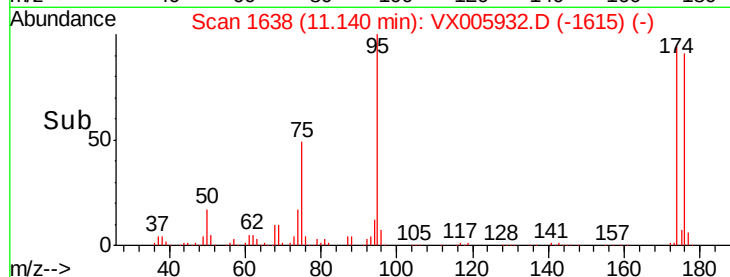
10000

5000

0

11.10 11.14 11.20

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 73.737 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005932.D

Acq: 13 Nov 2018 06:12

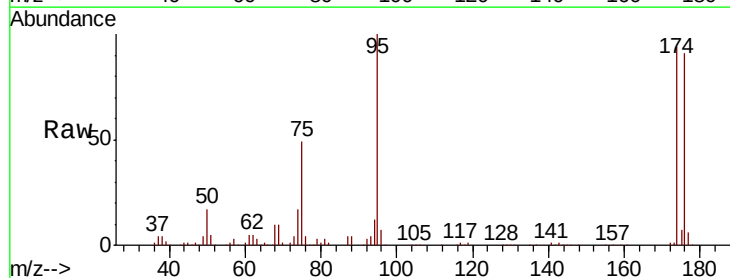
Tgt Ion: 75 Resp: 29290

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

30000

25000

20000

15000

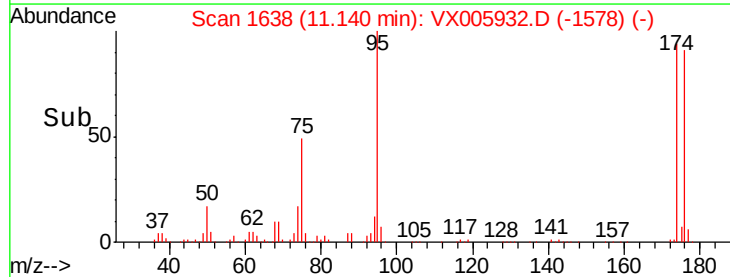
10000

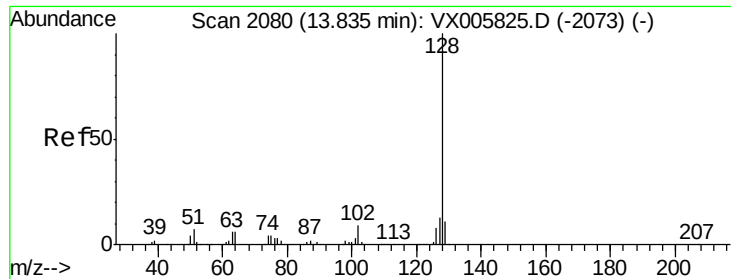
5000

0

11.10 11.14 11.20

Time-->





#95
Naphthalene
Concen: 1.404 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005932.D
Acq: 13 Nov 2018 06:12

Instrument :
MSVOA_X
ClientSampleId :
DW-8

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.4	15.6
129	8.3	8.7	13.1

