

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005938.D
 Acq On : 13 Nov 2018 08:51
 Operator : JC/MD
 Sample : J5894-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 13 12:07:10 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	98070	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	138008	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	128026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	61360	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	65630	58.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.42%	
35) Dibromofluoromethane	5.50	113	49745	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
50) Toluene-d8	8.71	98	169474	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
62) 4-Bromofluorobenzene	11.13	95	56798	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

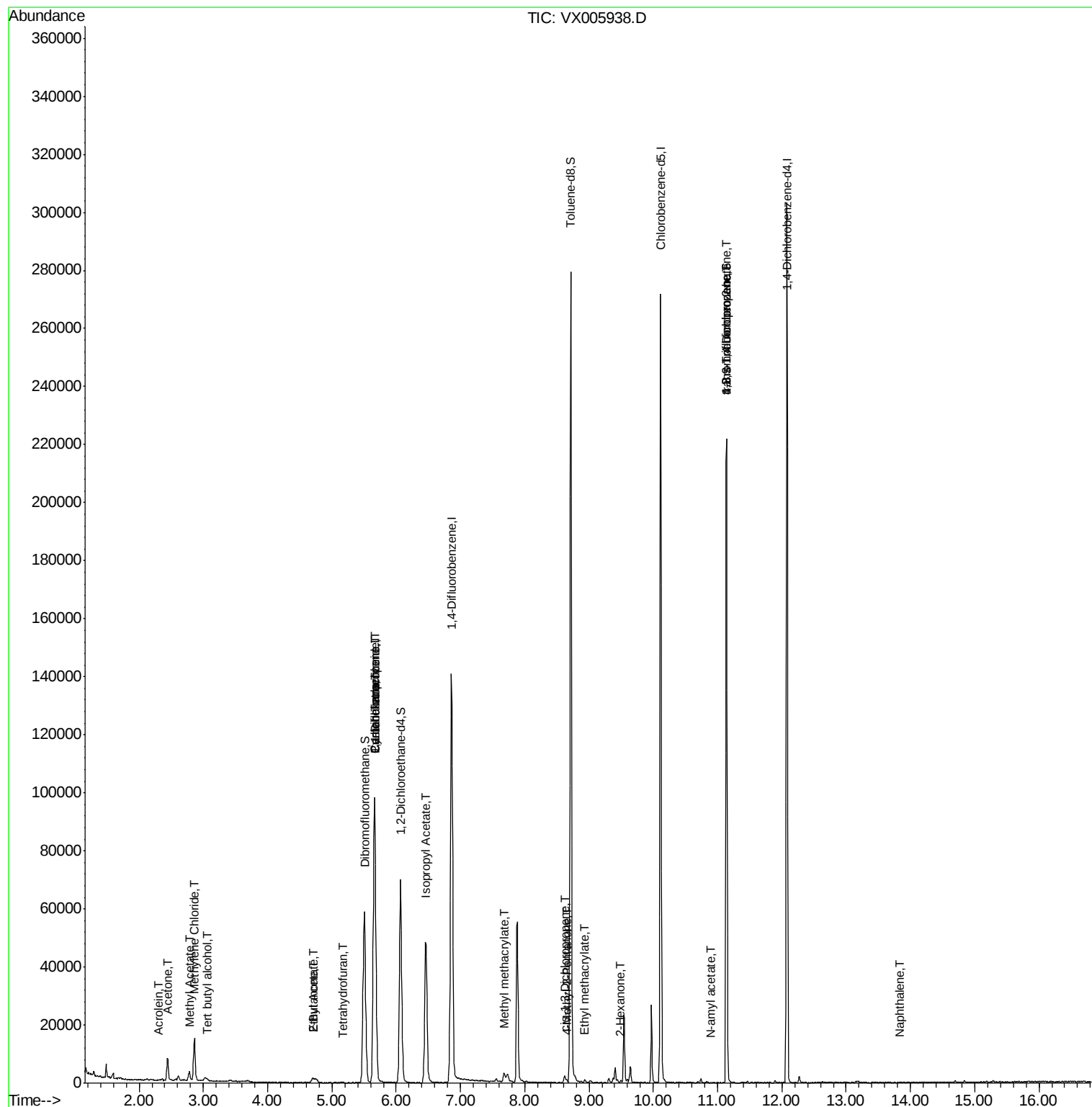
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.06	59	745	2.307	ug/l #	91
13) Acrolein	2.29	56	19	19.277	ug/l #	14
16) Acetone	2.44	43	8412	13.857	ug/l	93
18) Methyl Acetate	2.78	43	3854	0.913	ug/l	95
20) Methylene Chloride	2.86	84	5712	5.728	ug/l	89
25) 2-Butanone	4.71	43	3490	3.657	ug/l	98
29) Tetrahydrofuran	5.16	42	200	0.326	ug/l #	36
31) Cyclohexane	5.67	56	2028	1.291	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	6773	5.091	ug/l #	50
37) Ethyl Acetate	4.71	43	3490	1.995	ug/l #	69
38) Carbon Tetrachloride	5.67	117	9246	6.942	ug/l #	18
43) Isopropyl Acetate	6.45	43	67698	26.704	ug/l	99
48) Methyl methacrylate	7.68	41	2685	2.359	ug/l #	23
51) 4-Methyl-2-Pentanone	8.65	43	652	0.408	ug/l	95
54) cis-1,3-Dichloropropene	8.62	75	378	0.281	ug/l #	70
56) Ethyl methacrylate	8.93	69	658	0.455	ug/l #	78
59) 2-Hexanone	9.50	43	511	0.363	ug/l	78
74) N-amyl acetate	10.90	43	19	1.260	ug/l #	44
76) 1,2,3-Trichloropropane	11.13	75	29029	23.234	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	29029	74.050	ug/l #	9
95) Naphthalene	13.83	128	317	1.248	ug/l #	69

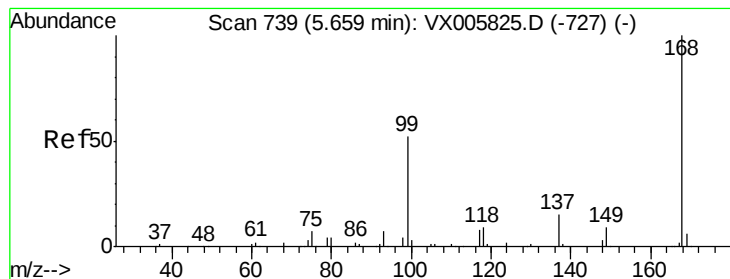
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 741

Delta R.T. 0.01 min

Lab File: VX005938.D

Acq: 13 Nov 2018 08:51

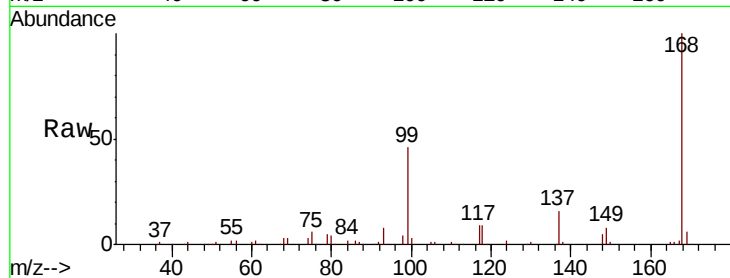
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 98070

Ion Ratio Lower Upper

168 100

99 46.4 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

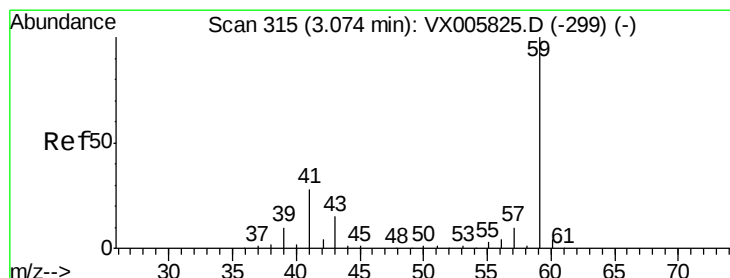
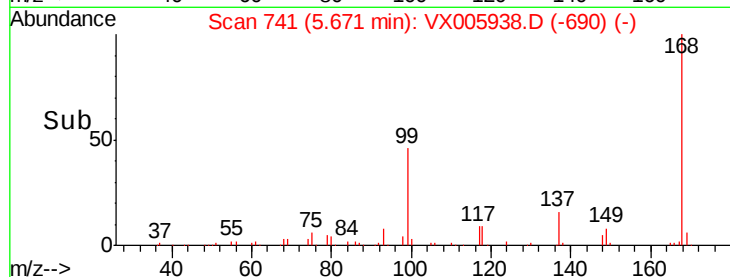
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 2.307 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX005938.D

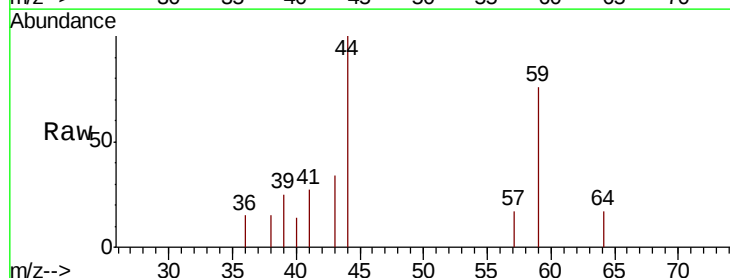
Acq: 13 Nov 2018 08:51

Tgt Ion: 59 Resp: 745

Ion Ratio Lower Upper

59 100

57 7.4 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

400

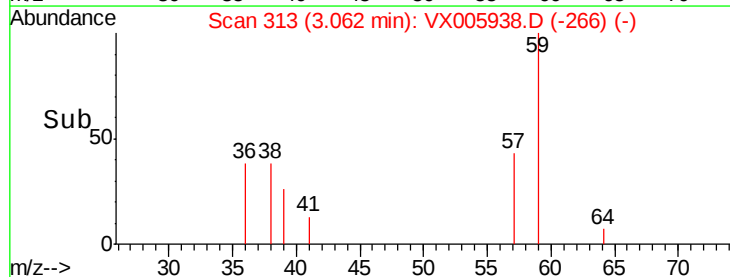
300

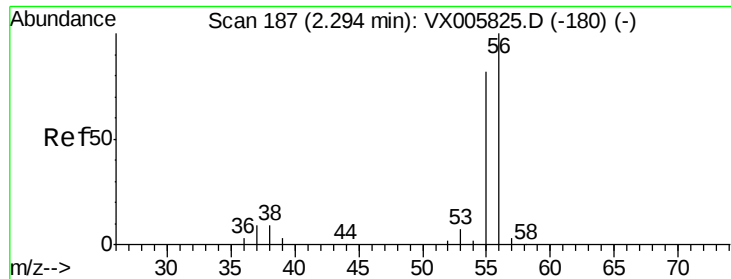
200

100

0

Time--> 3.00 3.05 3.10





#13

Acrolein

Concen: 19.277 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX005938.D

Acq: 13 Nov 2018 08:51

Instrument :

MSVOA_X

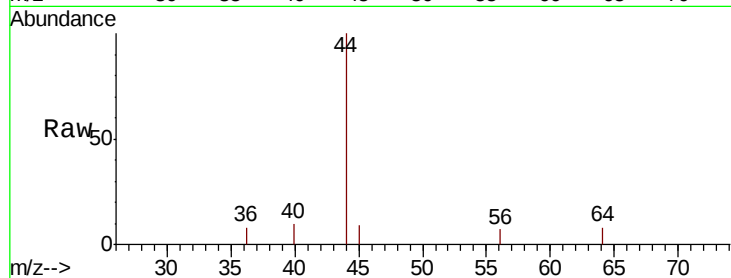
ClientSampleId :

Tot Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 0.0 57.3 85.9#



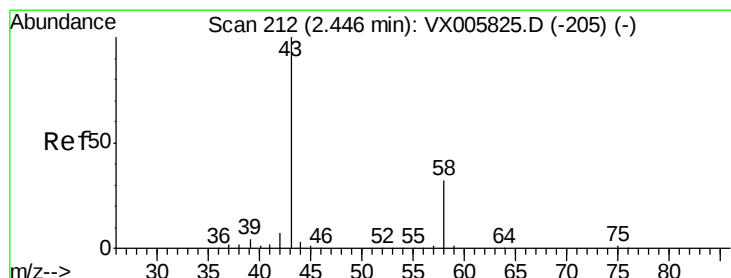
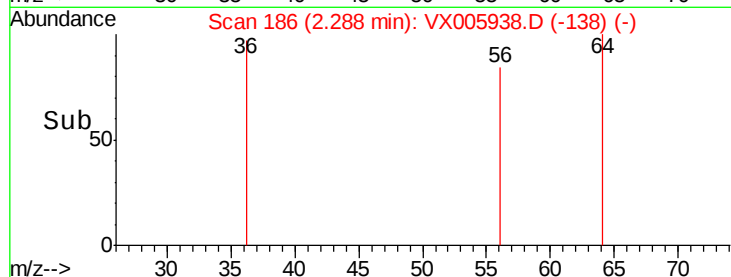
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

Time-->

2.27 2.28 2.29 2.30



#16

Acetone

Concen: 13.857 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005938.D

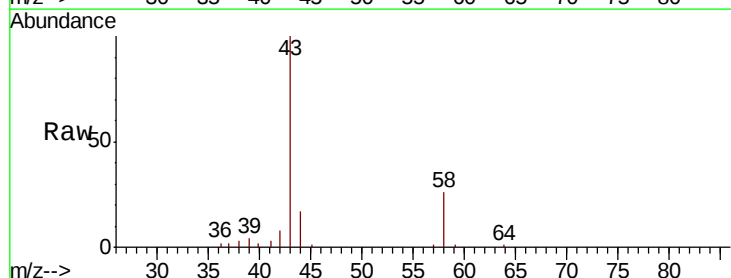
Acq: 13 Nov 2018 08:51

Tgt Ion: 43 Resp: 8412

Ion Ratio Lower Upper

43 100

58 25.7 23.8 35.6



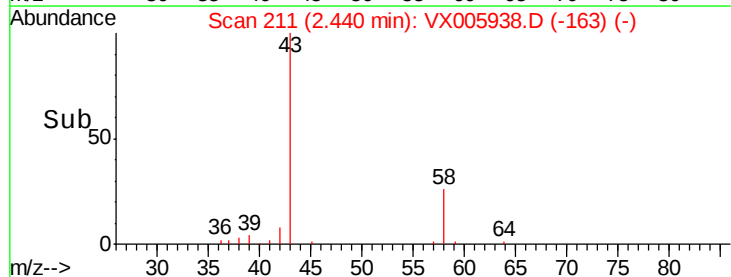
Abundance Ion 43.00 (42.70 to 43.70): VX0

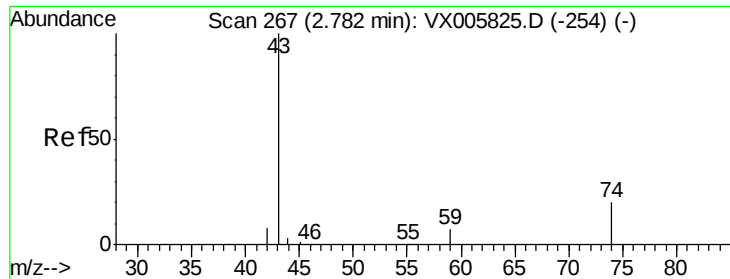
Ion 58.00 (57.70 to 58.70): VX0

2.44

Time-->

2.35 2.40 2.45 2.50

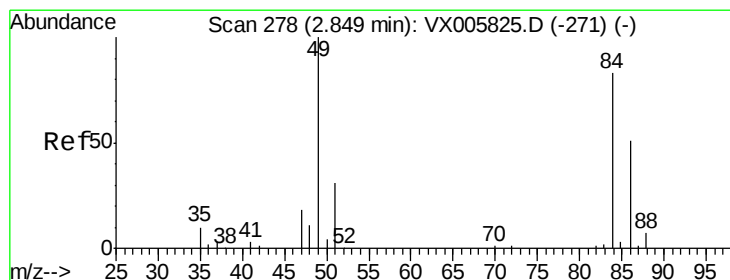
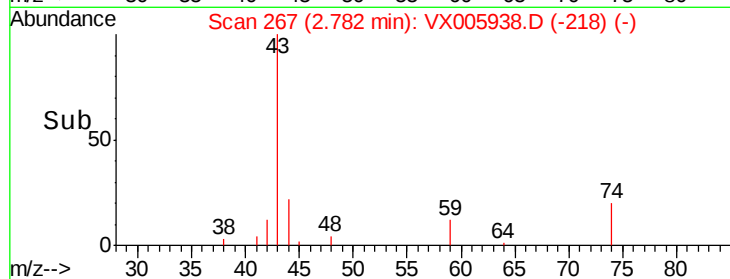
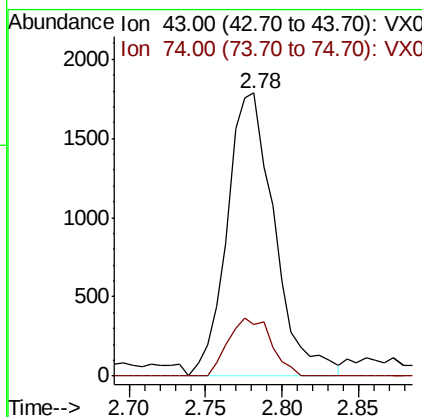
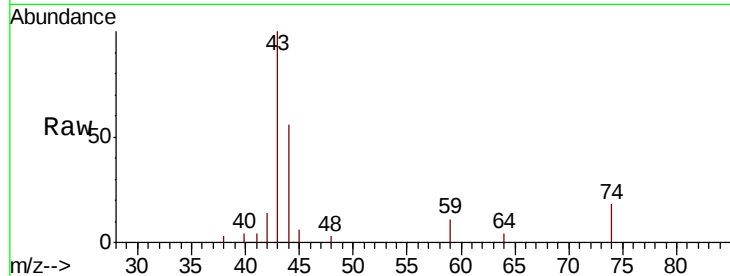




#18
Methyl Acetate
Concen: 0.913 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005938.D
Acq: 13 Nov 2018 08:51

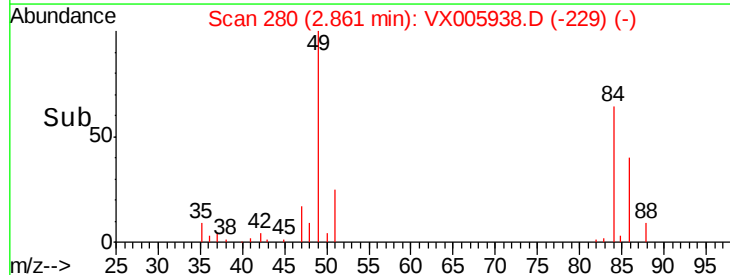
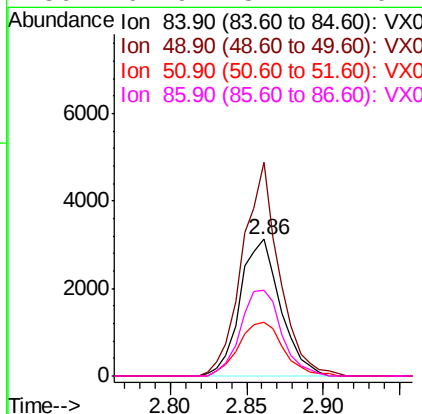
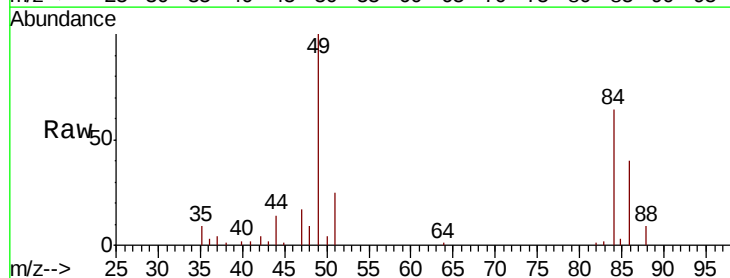
Instrument :
MSVOA_X
ClientSampled :

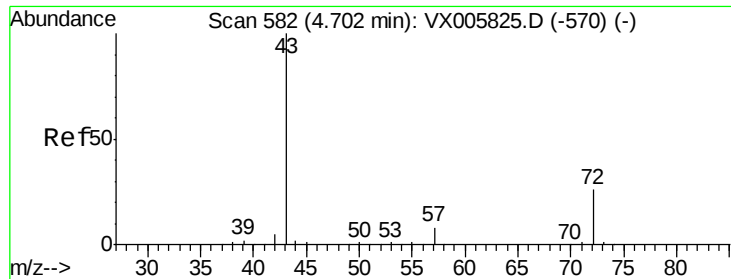
Tot Ion: 43 Resp: 3854
Ion Ratio Lower Upper
43 100
74 18.6 16.8 25.2



#20
Methylene Chloride
Concen: 5.728 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005938.D
Acq: 13 Nov 2018 08:51

Tgt Ion: 84 Resp: 5712
Ion Ratio Lower Upper
84 100
49 156.6 109.5 164.3
51 39.4 33.3 49.9
86 62.9 52.7 79.1





#25

2-Butanone

Concen: 3.657 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX005938.D

Acq: 13 Nov 2018 08:51

Instrument :

MSVOA_X

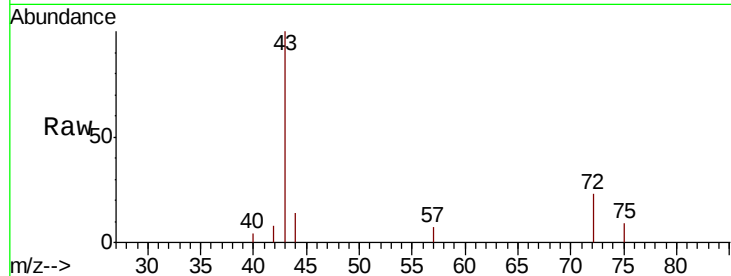
ClientSampled :

Tot Ion: 43 Resp: 3490

Ion Ratio Lower Upper

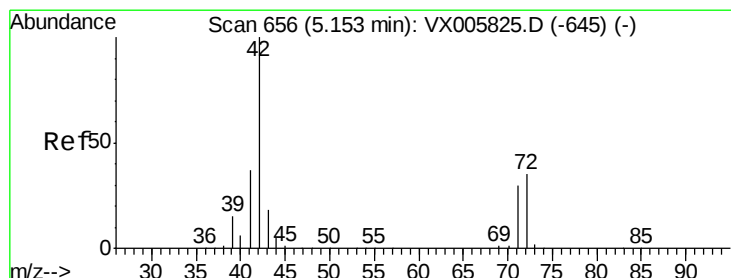
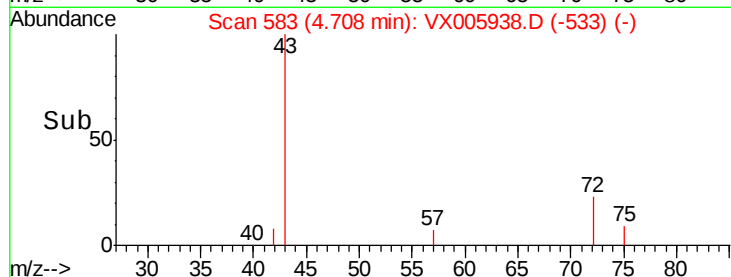
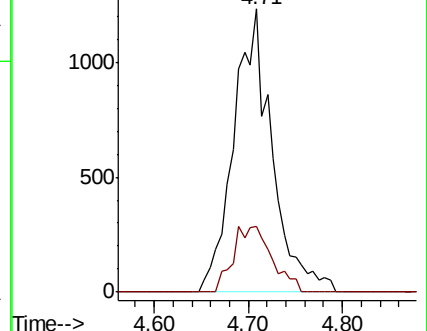
43 100

72 23.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX005825.D (-570) (-)

Ion 72.00 (71.70 to 72.70): VX005825.D (-570) (-)



#29

Tetrahydrofuran

Concen: 0.326 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX005938.D

Acq: 13 Nov 2018 08:51

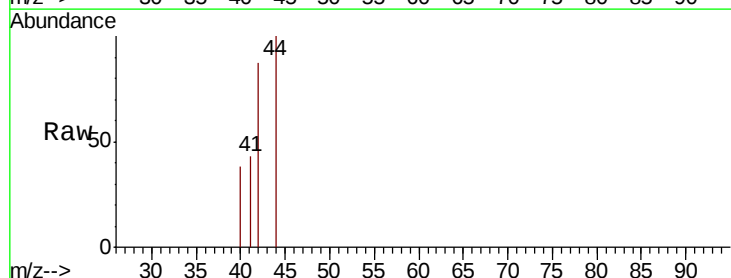
Tgt Ion: 42 Resp: 200

Ion Ratio Lower Upper

42 100

72 0.0 32.0 48.0#

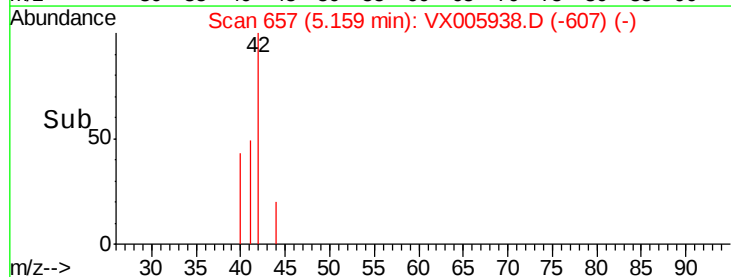
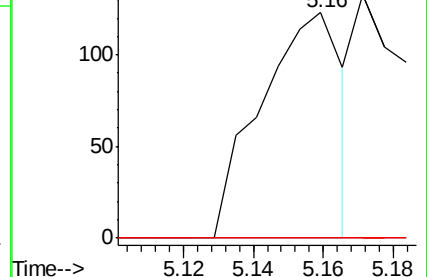
71 0.0 29.8 44.8#

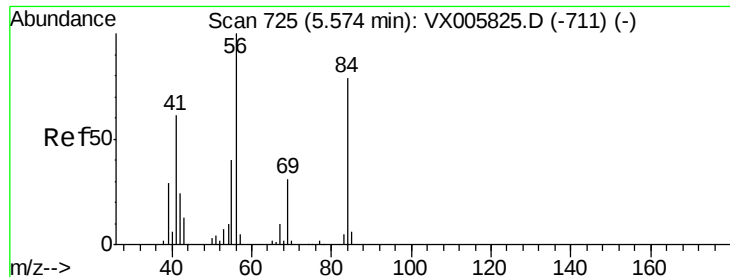


Abundance Ion 42.00 (41.70 to 42.70): VX005825.D (-645) (-)

Ion 72.00 (71.70 to 72.70): VX005825.D (-645) (-)

Ion 71.00 (70.70 to 71.70): VX005825.D (-645) (-)

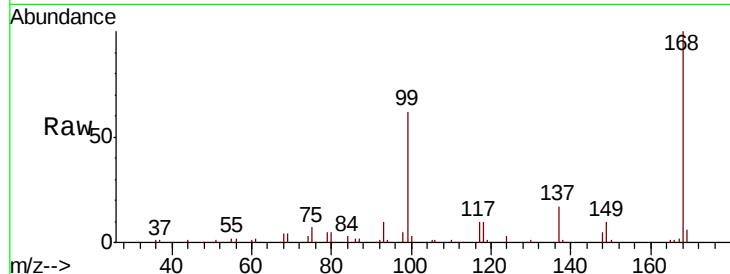




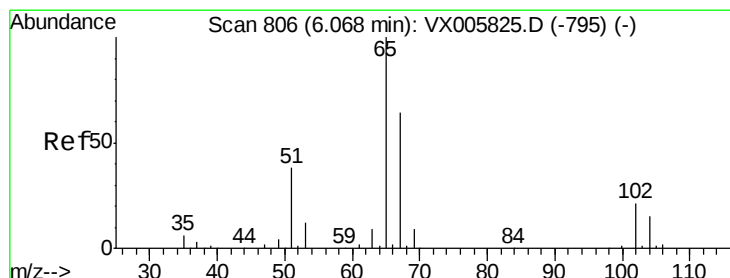
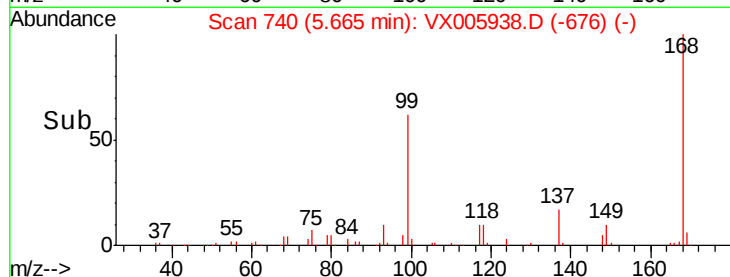
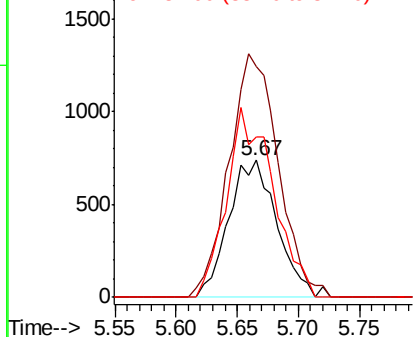
#31
Cyclohexane
Concen: 1.291 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005938.D
Acq: 13 Nov 2018 08:51

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 2028
Ion Ratio Lower Upper
56 100
69 168.1 22.6 34.0#
84 116.7 62.7 94.1#

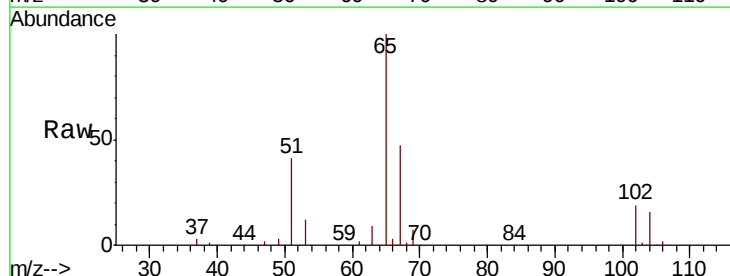


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

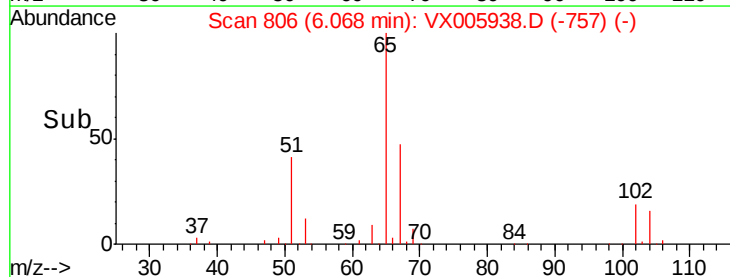
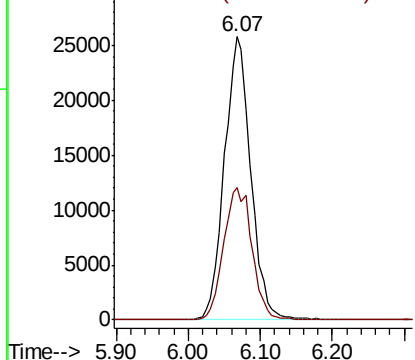


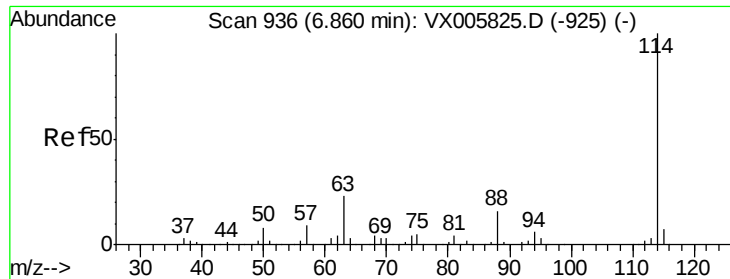
#33
1,2-Dichloroethane-d4
Concen: 58.211 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX005938.D
Acq: 13 Nov 2018 08:51

Tgt Ion: 65 Resp: 65630
Ion Ratio Lower Upper
65 100
67 50.3 0.0 105.0



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

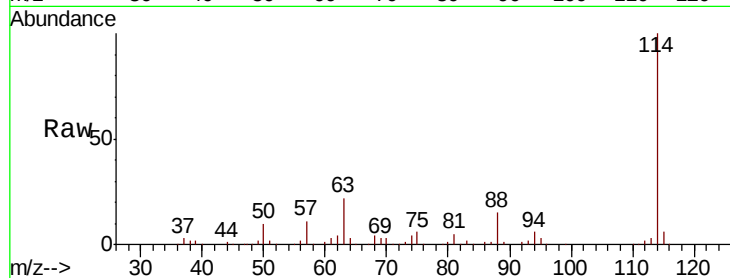




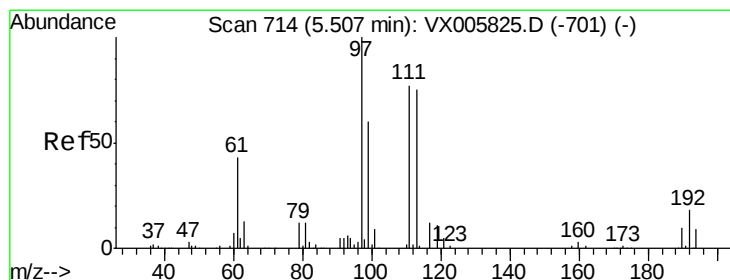
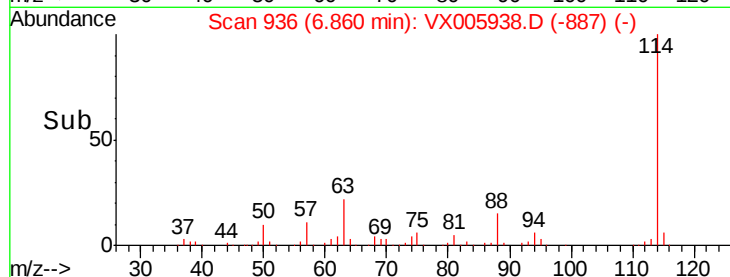
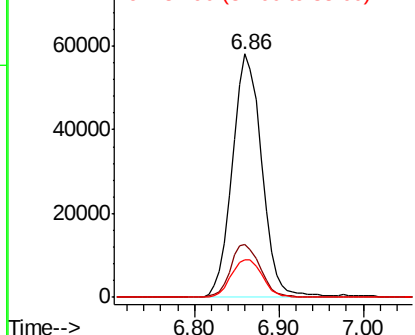
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005938.D
 Acq: 13 Nov 2018 08:51

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 138008
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 42.8
 88 15.4 0.0 31.2

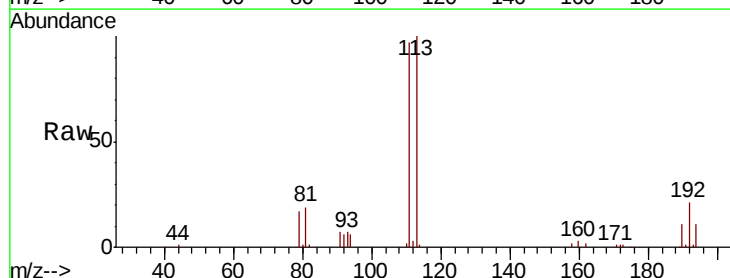


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

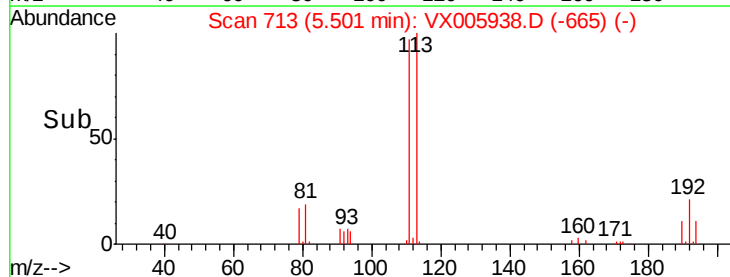
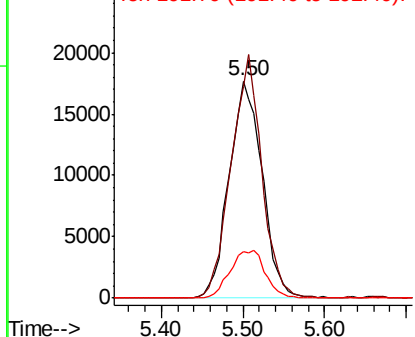


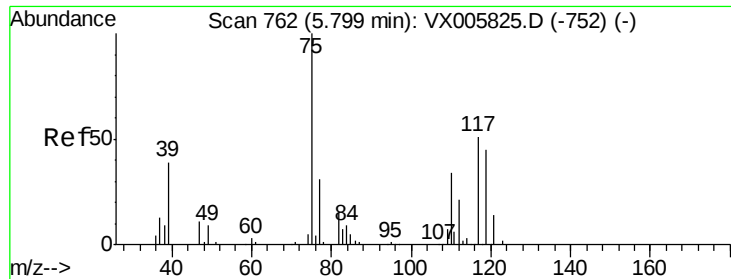
#35
 Dibromofluoromethane
 Concen: 52.996 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX005938.D
 Acq: 13 Nov 2018 08:51

Tgt Ion:113 Resp: 49745
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.3 123.5
 192 23.2 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.091 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005938.D

Acq: 13 Nov 2018 08:51

Instrument :

MSVOA_X

ClientSampled :

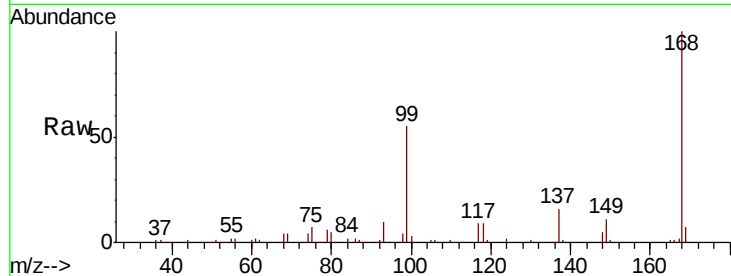
Tot Ion: 75 Resp: 6773

Ion Ratio Lower Upper

75 100

110 9.4 17.4 52.2#

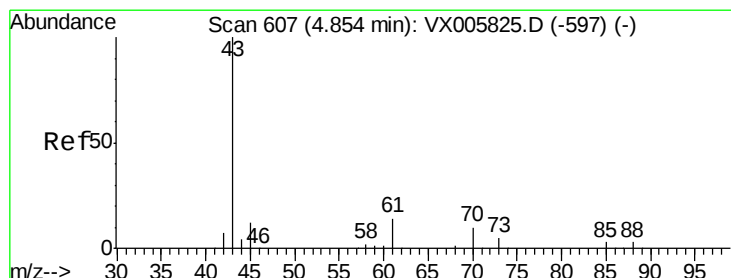
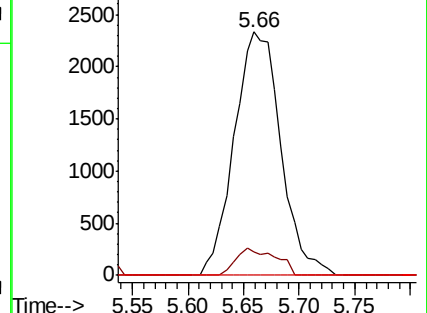
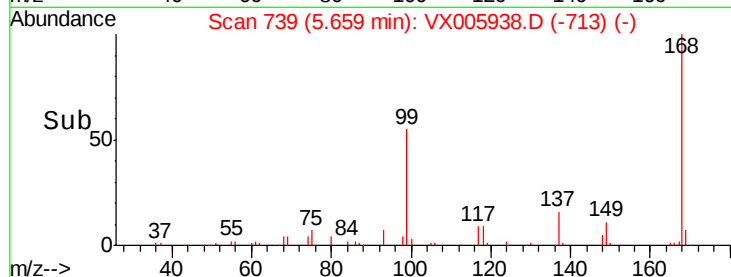
77 0.0 25.8 38.6#



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: 1.995 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.15 min

Lab File: VX005938.D

Acq: 13 Nov 2018 08:51

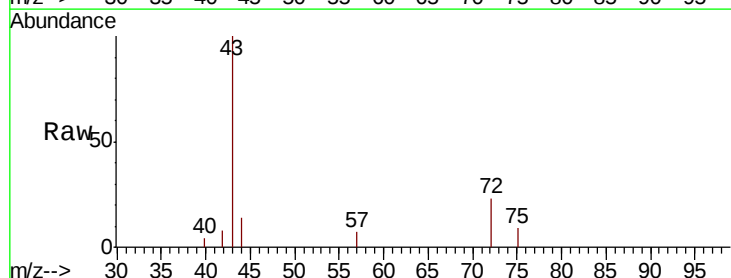
Tgt Ion: 43 Resp: 3490

Ion Ratio Lower Upper

43 100

61 0.0 10.8 16.2#

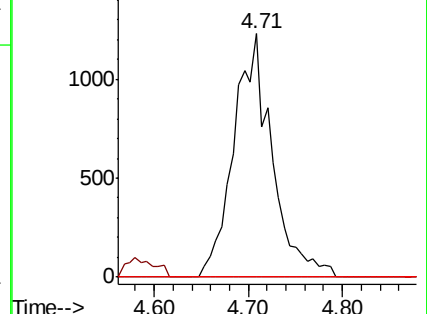
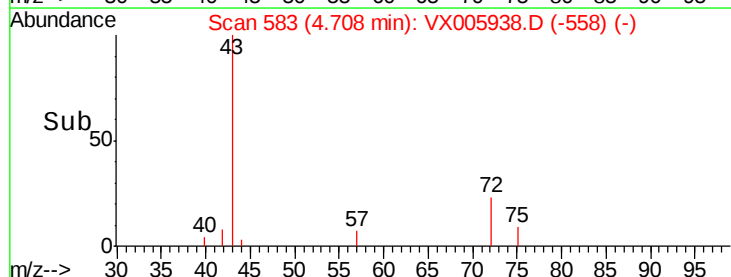
70 0.0 7.8 11.8#

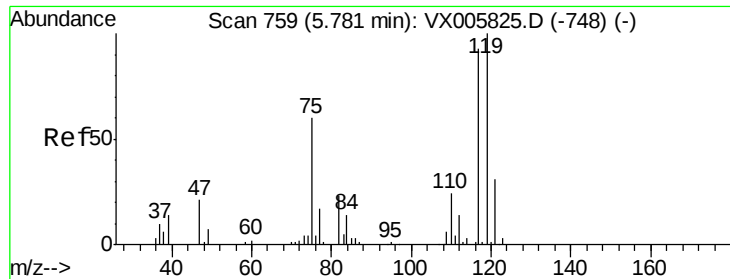


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

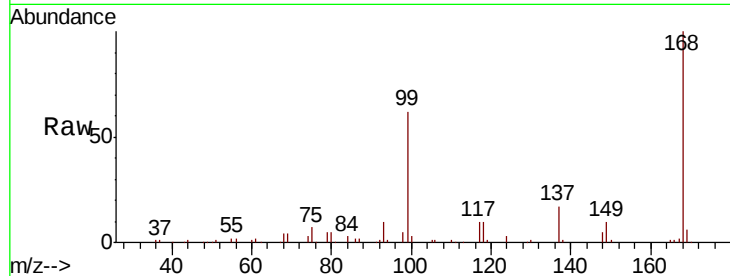




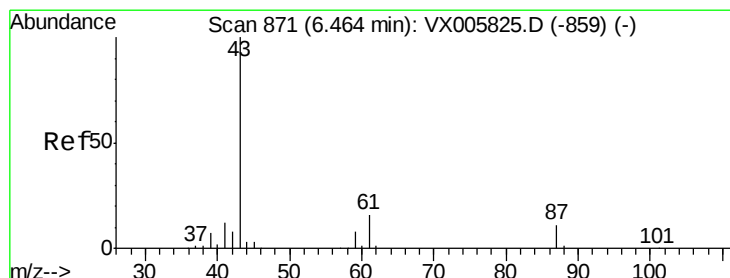
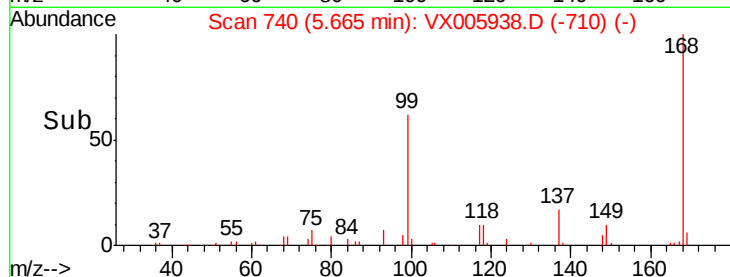
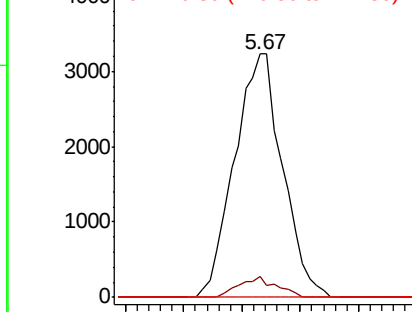
#38
Carbon Tetrachloride
Concen: 6.942 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX005938.D
Acq: 13 Nov 2018 08:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 9246
Ion Ratio Lower Upper
117 100
119 8.6 78.1 117.1#
121 0.0 24.6 36.8#

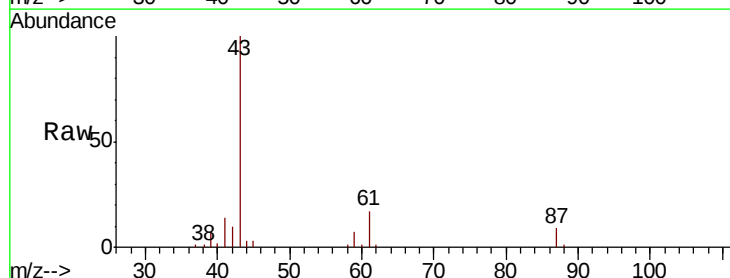


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

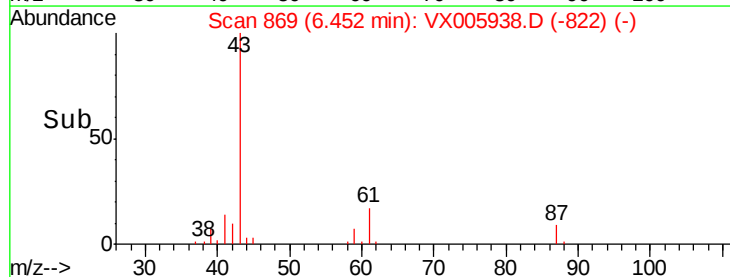
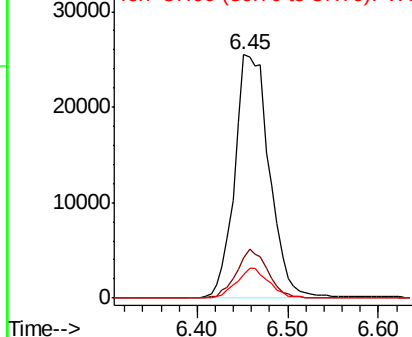


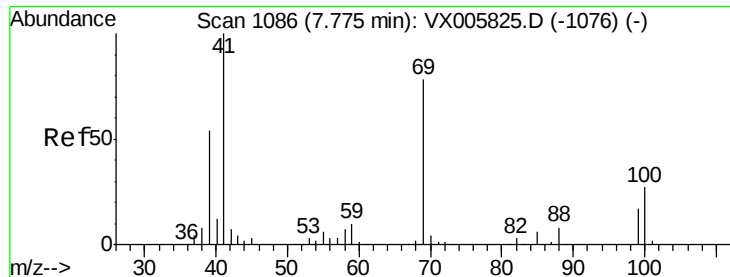
#43
Isopropyl Acetate
Concen: 26.704 ug/l
RT: 6.45 min Scan# 869
Delta R.T. -0.01 min
Lab File: VX005938.D
Acq: 13 Nov 2018 08:51

Tgt Ion: 43 Resp: 67698
Ion Ratio Lower Upper
43 100
61 18.3 14.6 22.0
87 11.3 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

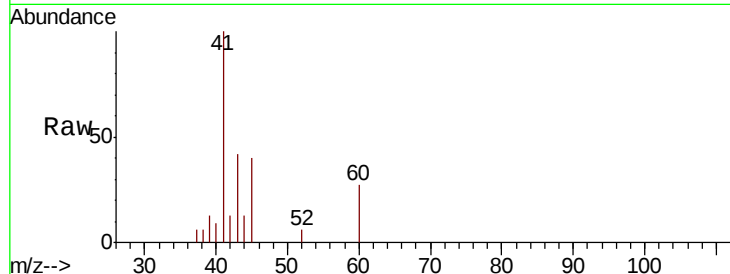




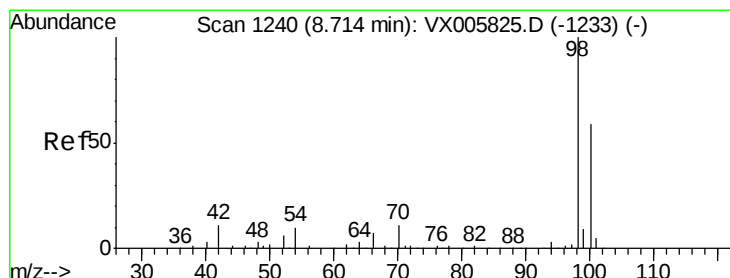
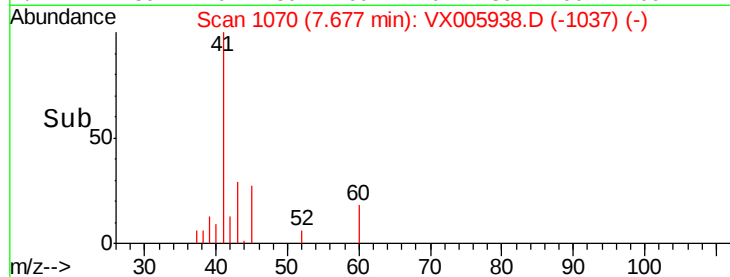
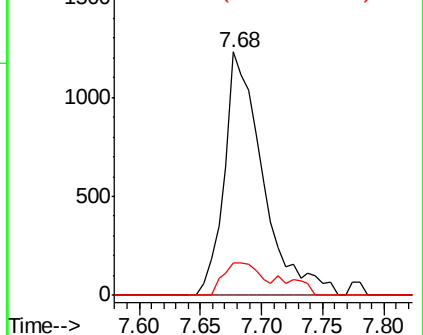
#48
Methvl methacrylate
Concen: 2.359 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.10 min
Lab File: VX005938.D
Acq: 13 Nov 2018 08:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 41 Resp: 2685
Ion Ratio Lower Upper
41 100
69 0.0 63.2 94.8#
39 12.8 42.2 63.2#

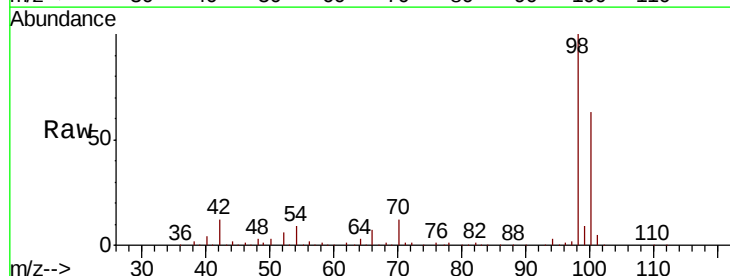


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

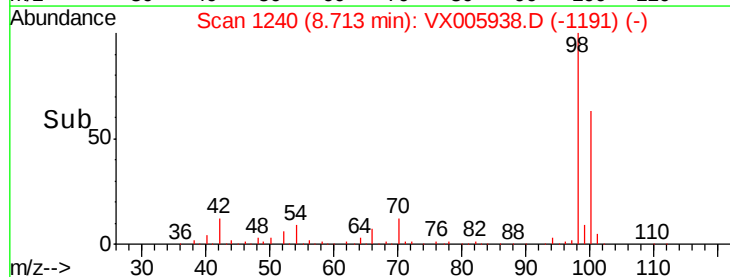
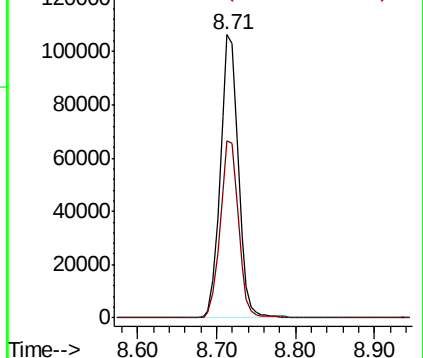


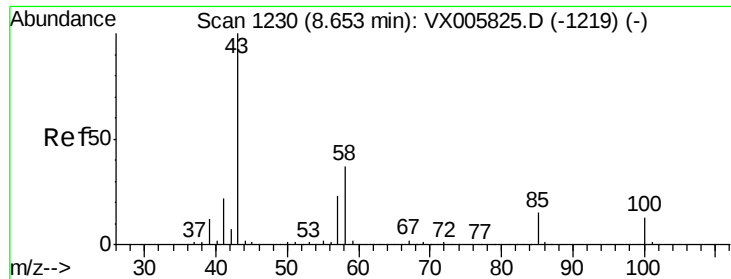
#50
Toluene-d8
Concen: 54.307 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005938.D
Acq: 13 Nov 2018 08:51

Tgt Ion: 98 Resp: 169474
Ion Ratio Lower Upper
98 100
100 63.5 51.3 76.9



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

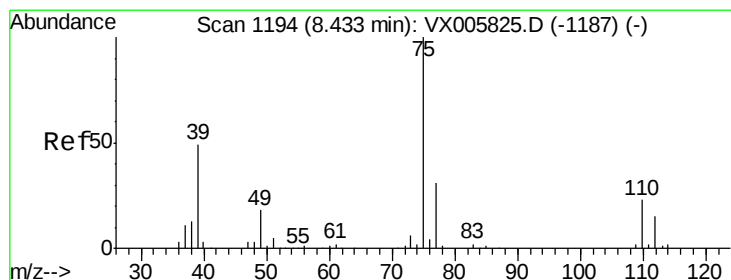
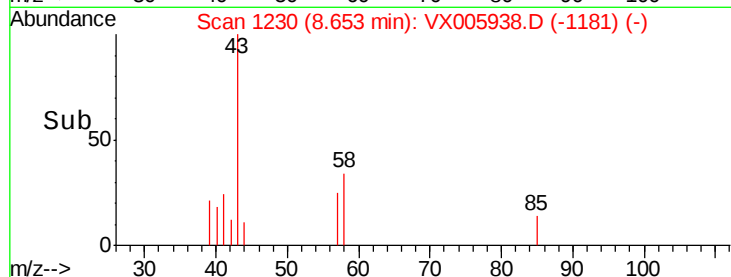
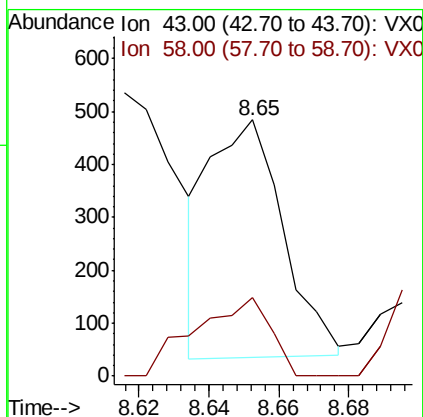
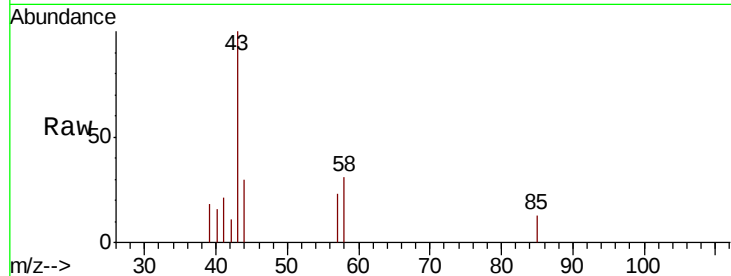




#51
 4-Methyl-2-Pentanone
 Concen: 0.408 ug/l
 RT: 8.65 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VX005938.D
 Acq: 13 Nov 2018 08:51

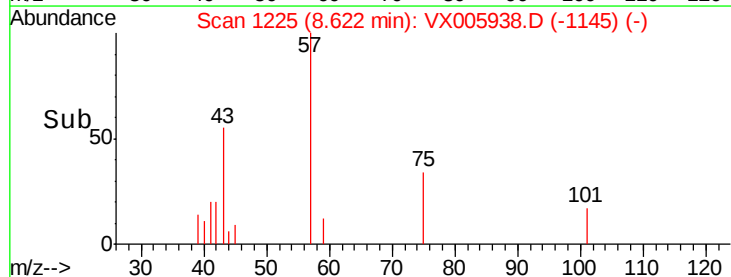
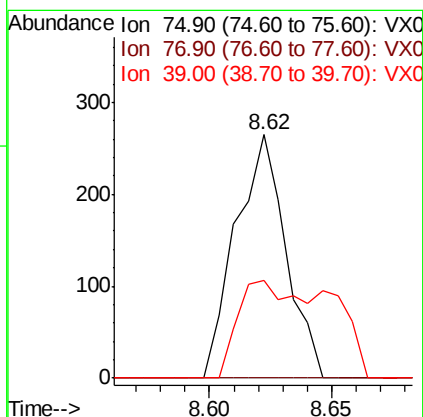
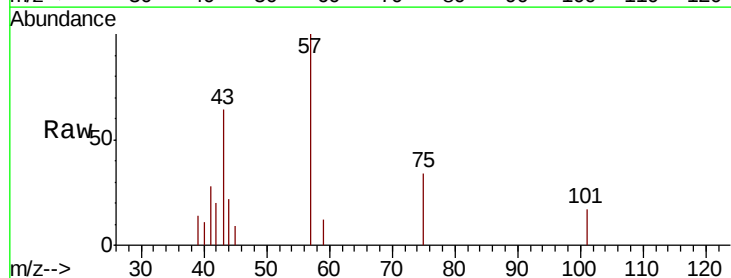
Instrument :
 MSVOA_X
 ClientSampleId :

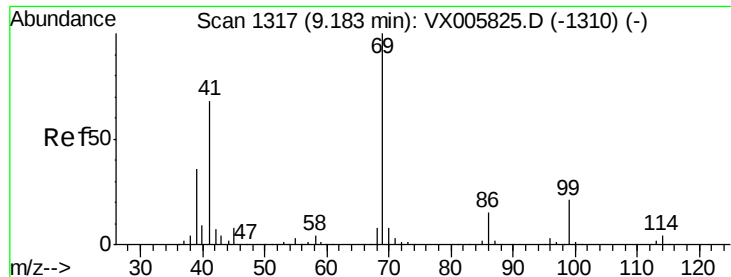
Tot Ion: 43 Resp: 652
 Ion Ratio Lower Upper
 43 100
 58 33.9 29.7 44.5



#54
 cis-1,3-Dichloropropene
 Concen: 0.281 ug/l
 RT: 8.62 min Scan# 1225
 Delta R.T. 0.19 min
 Lab File: VX005938.D
 Acq: 13 Nov 2018 08:51

Tgt Ion: 75 Resp: 378
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 40.0 38.2 57.2





#56

Ethyl methacrylate

Concen: 0.455 ug/l

RT: 8.93 min Scan# 1276

Delta R.T. -0.25 min

Lab File: VX005938.D

Acq: 13 Nov 2018 08:51

Instrument :
MSVOA_X
ClientSampled :

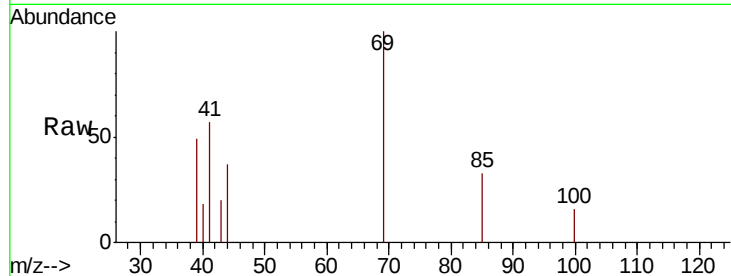
Tot Ion: 69 Resp: 658

Ion Ratio Lower Upper

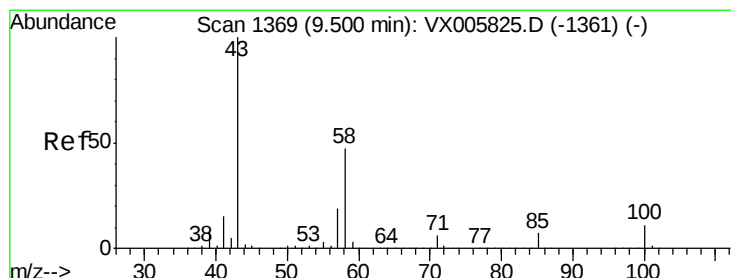
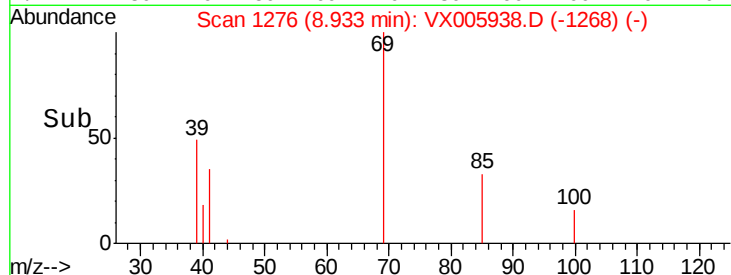
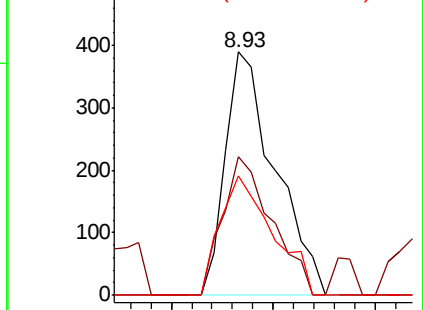
69 100

41 56.2 57.0 85.6#

39 52.0 28.3 42.5#



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



#59

2-Hexanone

Concen: 0.363 ug/l

RT: 9.50 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VX005938.D

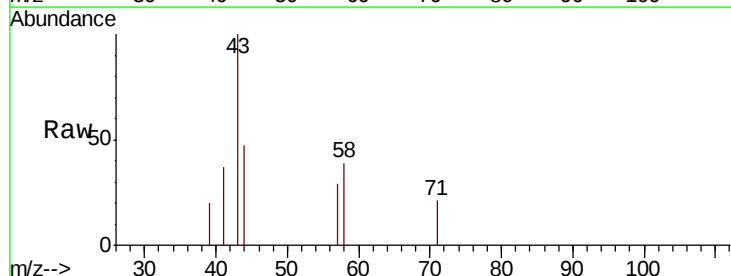
Acq: 13 Nov 2018 08:51

Tgt Ion: 43 Resp: 511

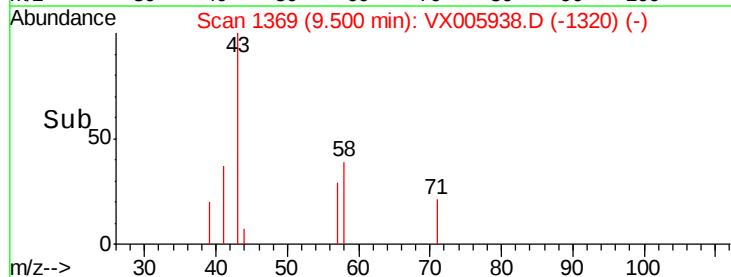
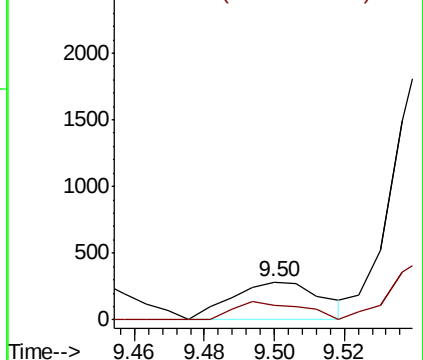
Ion Ratio Lower Upper

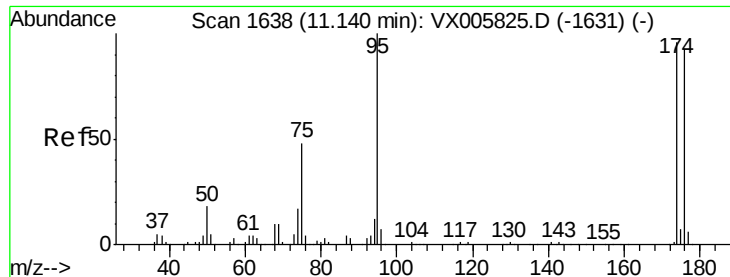
43 100

58 36.4 25.9 77.8



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

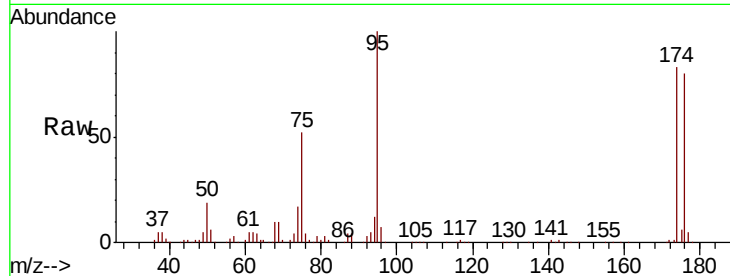




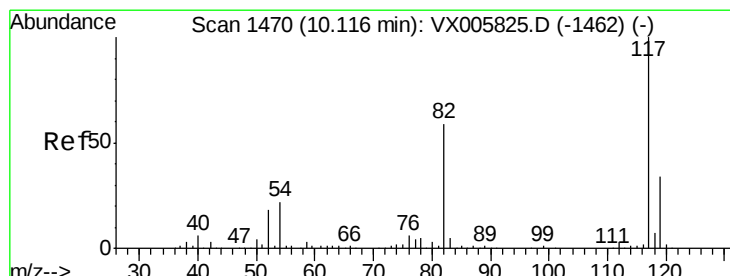
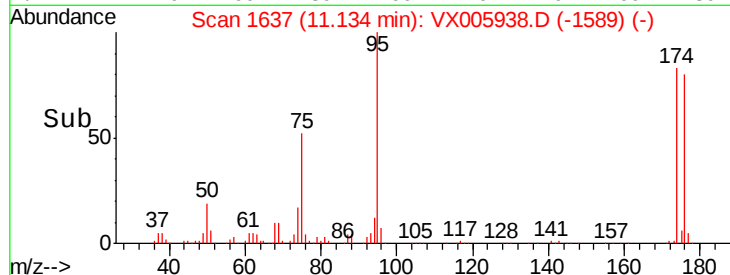
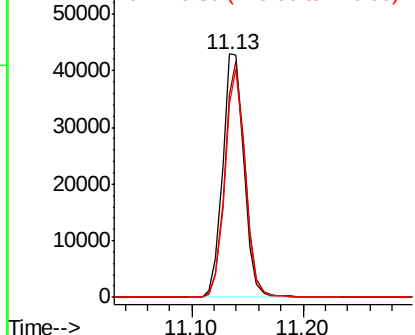
#62
4-Bromofluorobenzene
Concen: 50.623 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX005938.D
Acq: 13 Nov 2018 08:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 56798
Ion Ratio Lower Upper
95 100
174 92.6 0.0 184.4
176 88.8 0.0 177.4

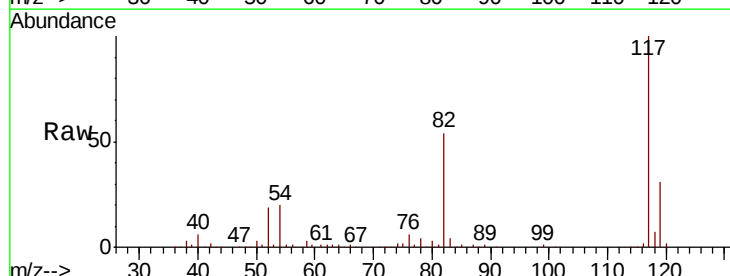


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

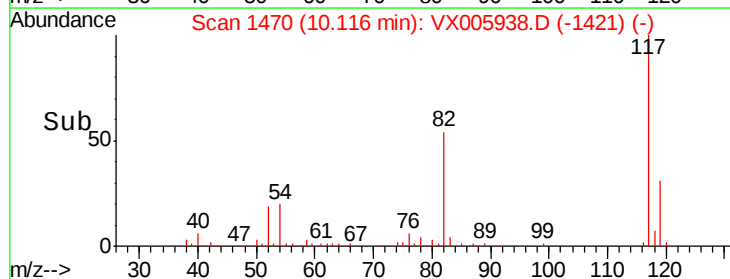
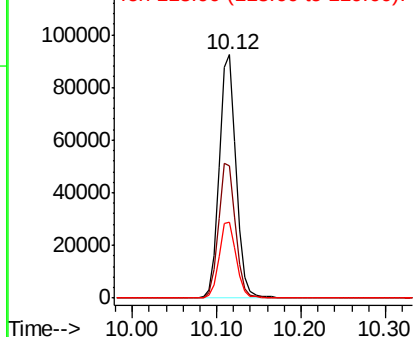


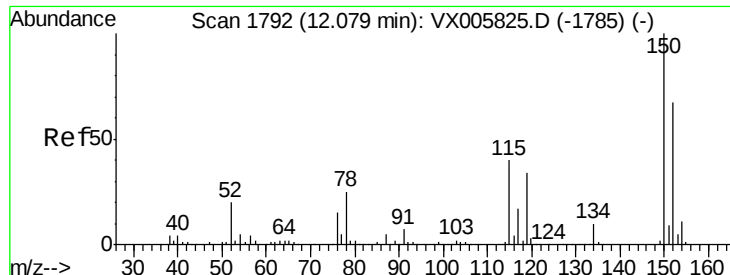
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005938.D
Acq: 13 Nov 2018 08:51

Tgt Ion: 117 Resp: 128026
Ion Ratio Lower Upper
117 100
82 54.4 44.1 66.1
119 31.4 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



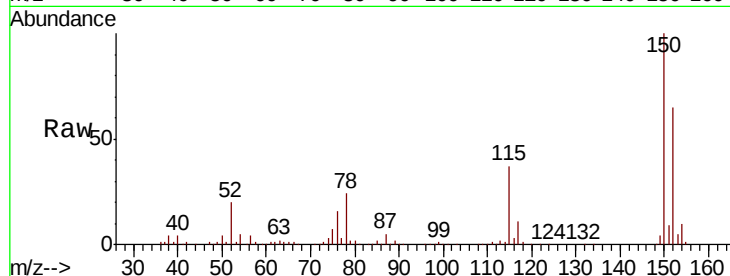


#72

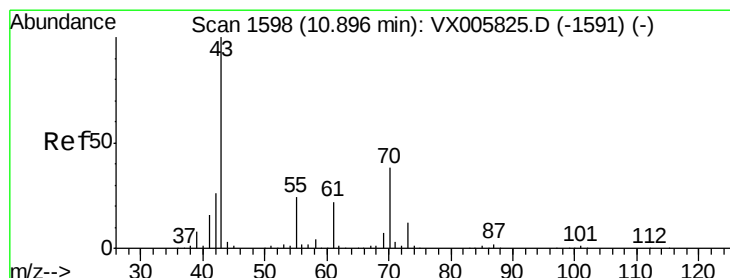
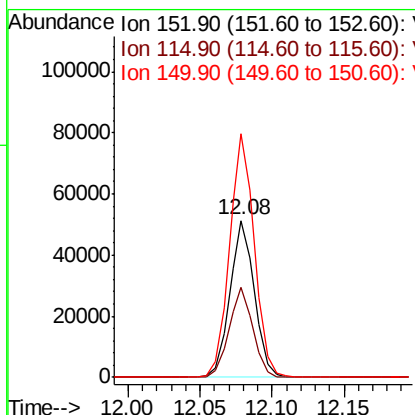
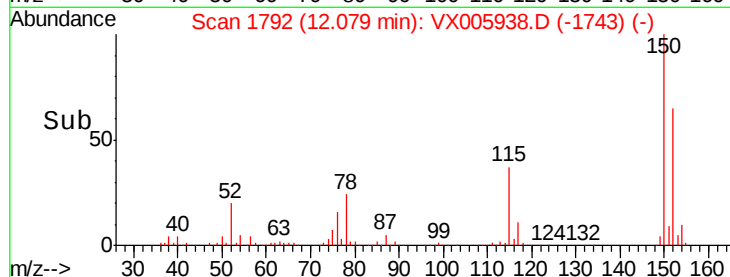
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005938.D
Acq: 13 Nov 2018 08:51

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:152 Resp: 61360
Ion Ratio Lower Upper
152 100
115 56.1 39.4 118.1
150 156.4 0.0 346.4



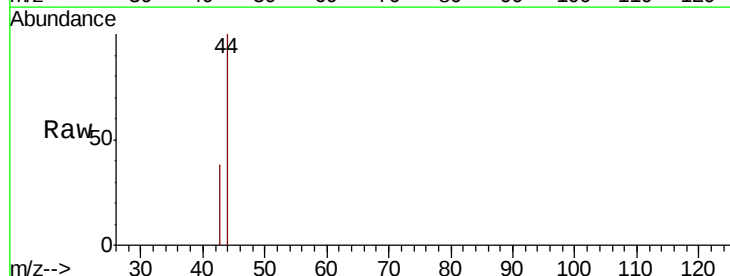
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



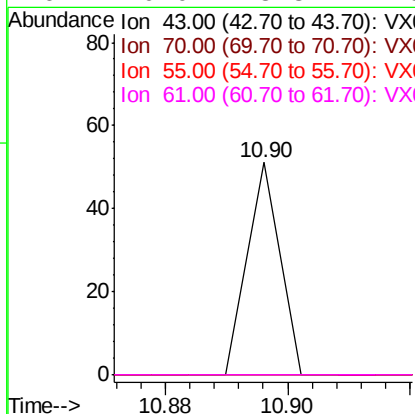
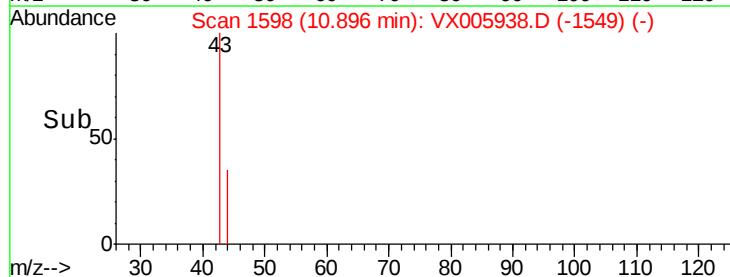
#74

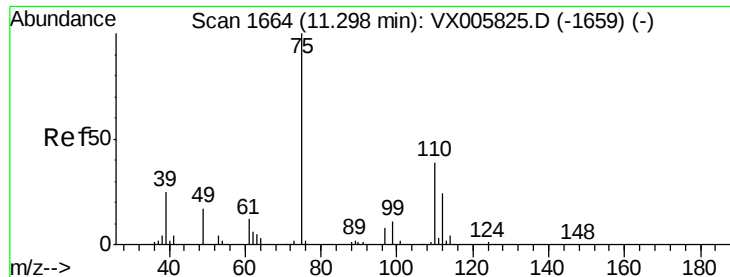
N-ethyl acetate
Concen: 1.260 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX005938.D
Acq: 13 Nov 2018 08:51

Tgt Ion: 43 Resp: 19
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

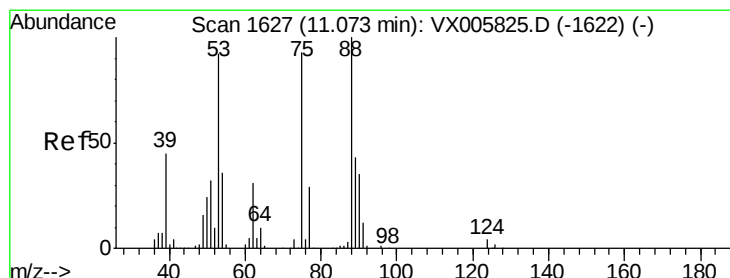
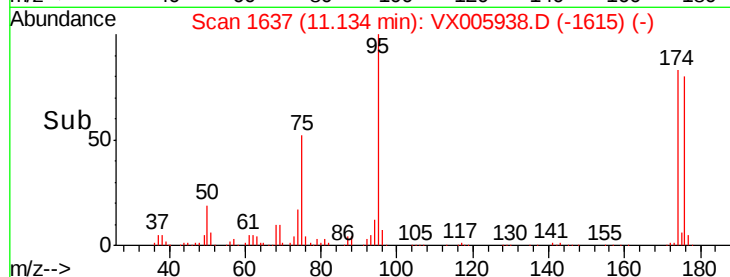
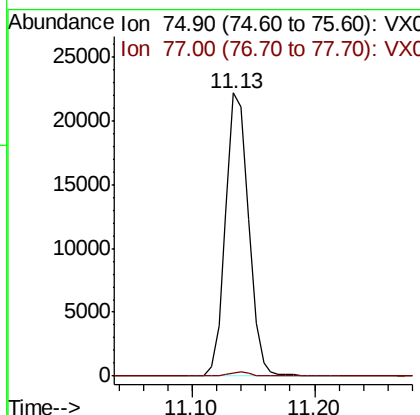
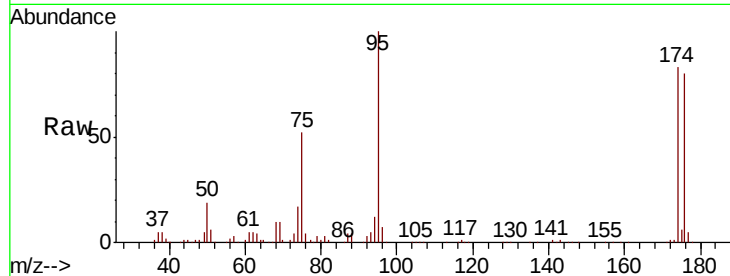




#76
 1,2,3-Trichloropropane
 Concen: 23.234 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX005938.D
 Acq: 13 Nov 2018 08:51

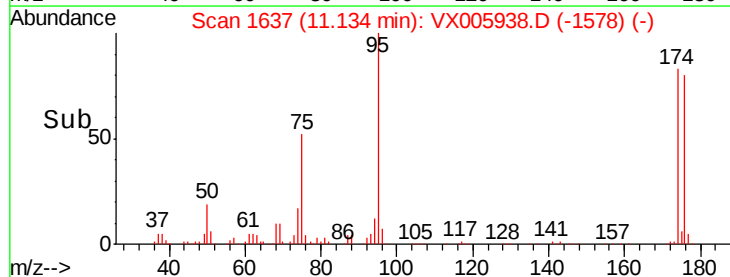
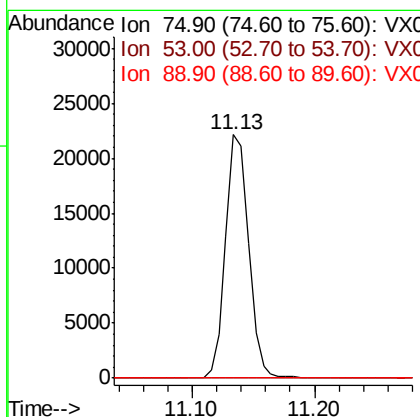
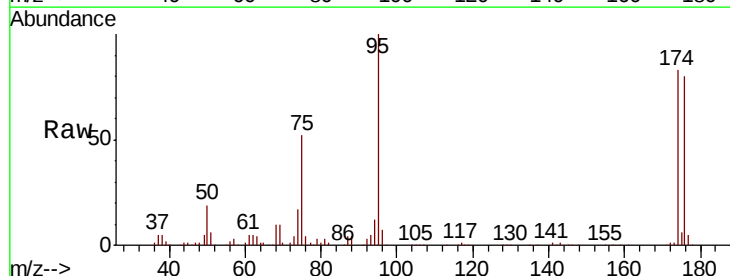
Instrument :
 MSVOA_X
 ClientSampleId :

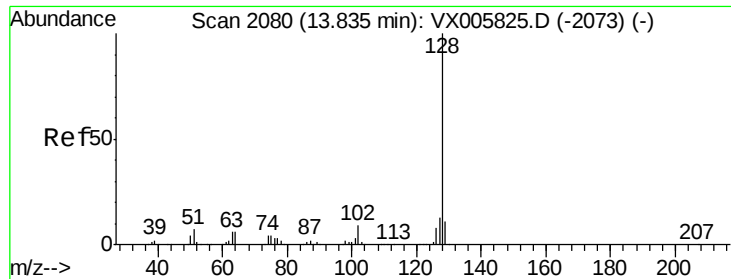
Tot Ion: 75 Resp: 29029
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.5 61.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.050 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX005938.D
 Acq: 13 Nov 2018 08:51

Tgt Ion: 75 Resp: 29029
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.2 120.2#
 89 0.0 39.8 59.8#





#95
Naphthalene
Concen: 1.248 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005938.D
Acq: 13 Nov 2018 08:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.7	13.1#

