

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005933.D
 Acq On : 13 Nov 2018 06:38
 Operator : JC/MD
 Sample : J5894-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DW-9

Quant Time: Nov 13 07:06:08 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	100710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	150325	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	129645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	62587	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	64325	55.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.12%	
35) Dibromofluoromethane	5.51	113	51078	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
50) Toluene-d8	8.71	98	171554	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
62) 4-Bromofluorobenzene	11.14	95	57804	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	

Target Compounds

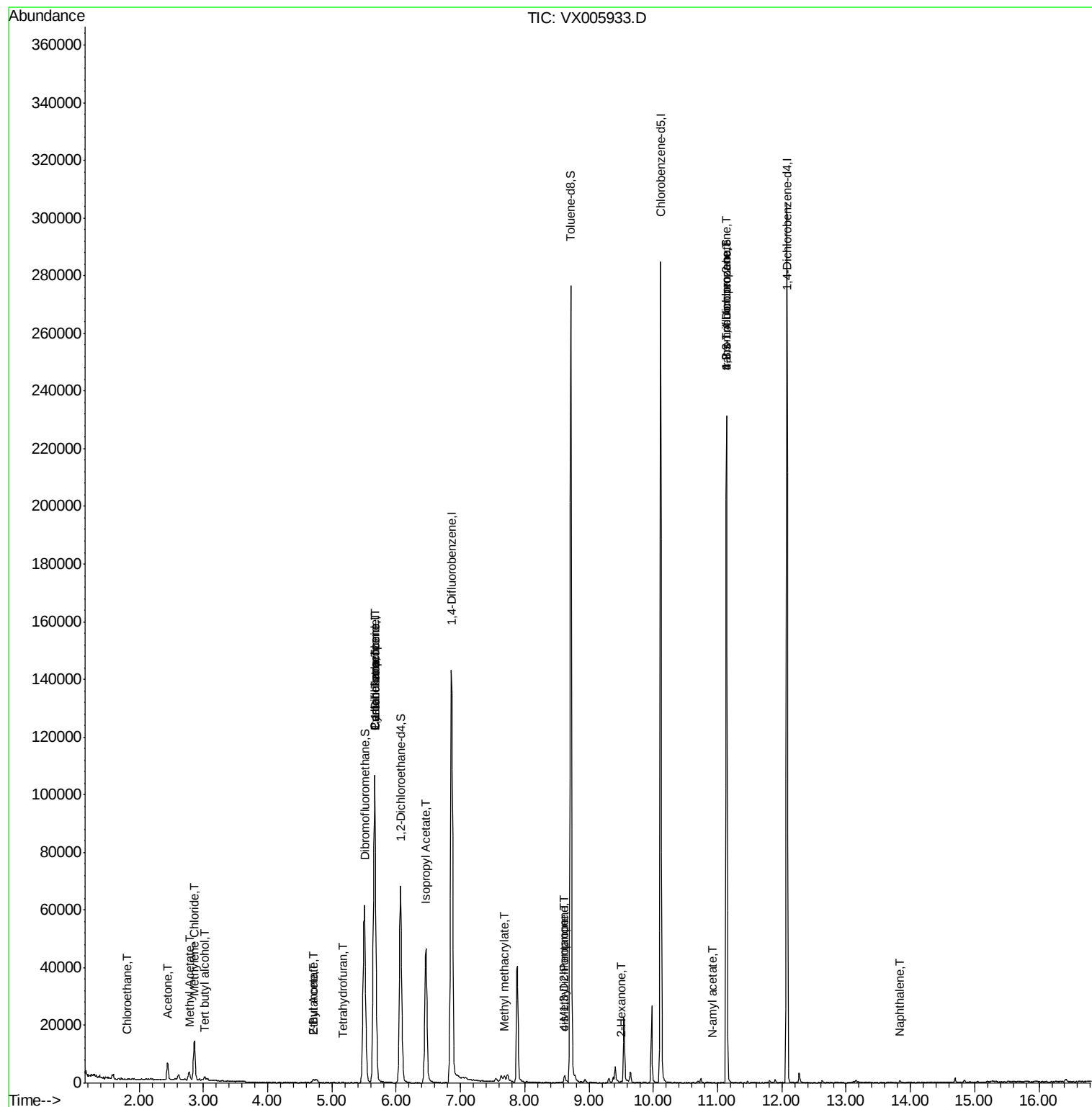
						Qvalue
6) Chloroethane	1.82	64	382	0.535	ug/l #	42
11) Tert butyl alcohol	3.01	59	818	2.466	ug/l #	72
16) Acetone	2.44	43	6149	9.864	ug/l	98
18) Methyl Acetate	2.78	43	4239	1.086	ug/l	92
20) Methylene Chloride	2.85	84	5578	5.447	ug/l	96
25) 2-Butanone	4.71	43	2016	2.057	ug/l #	89
29) Tetrahydrofuran	5.17	42	286	0.454	ug/l #	47
31) Cyclohexane	5.67	56	1876	1.163	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	7103	4.901	ug/l #	48
37) Ethyl Acetate	4.71	43	2016	1.058	ug/l #	69
38) Carbon Tetrachloride	5.67	117	9186	6.332	ug/l #	16
43) Isopropyl Acetate	6.46	43	62107	22.491	ug/l	98
48) Methyl methacrylate	7.68	41	2277	1.836	ug/l #	24
51) 4-Methyl-2-Pentanone	8.62	43	832	0.478	ug/l #	47
54) cis-1,3-Dichloropropene	8.62	75	348	0.238	ug/l #	76
59) 2-Hexanone	9.51	43	543	0.354	ug/l	78
74) N-amyl acetate	10.91	43	23	1.262	ug/l #	44
76) 1,2,3-Trichloropropane	11.14	75	29013	22.766	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	29013	72.559	ug/l #	9
95) Naphthalene	13.83	128	686	1.326	ug/l #	95

(#) = 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: VX005933.D

Acq: 13 Nov 2018 06:38

Instrument :

MSVOA_X

ClientSampleId :

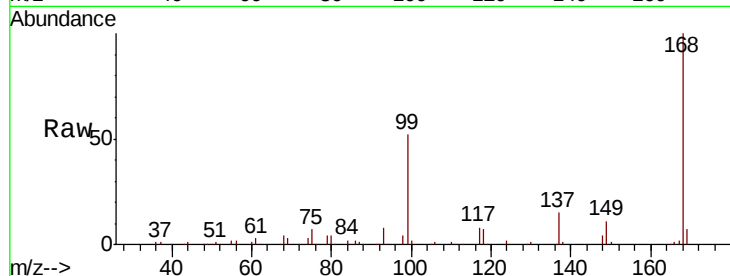
DW-9

Tot Ion:168 Resp: 100710

Ion Ratio Lower Upper

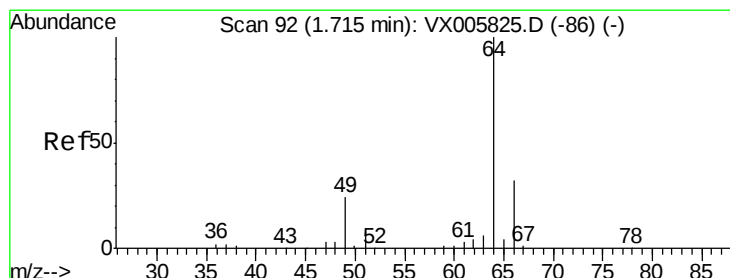
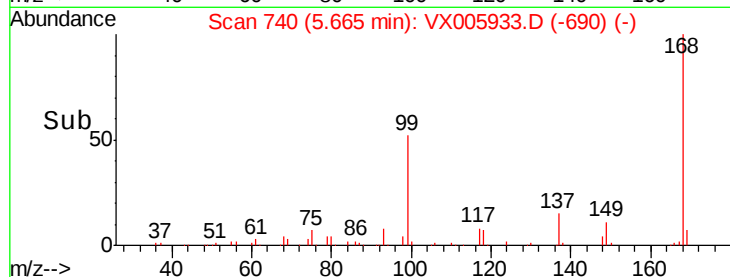
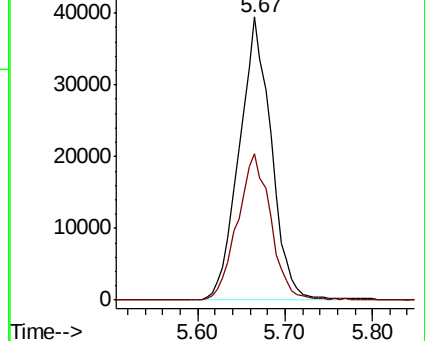
168 100

99 51.8 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.535 ug/l

RT: 1.82 min Scan# 109

Delta R.T. 0.10 min

Lab File: VX005933.D

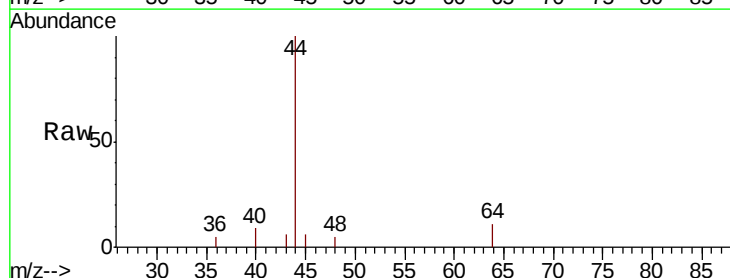
Acq: 13 Nov 2018 06:38

Tgt Ion: 64 Resp: 382

Ion Ratio Lower Upper

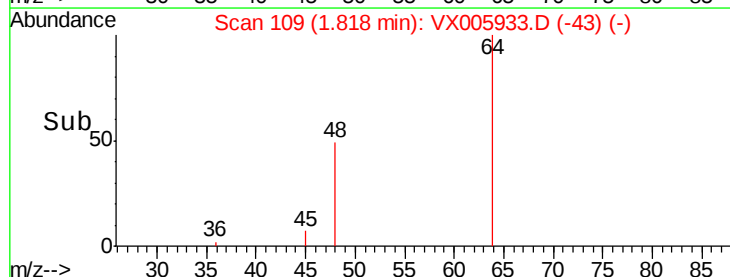
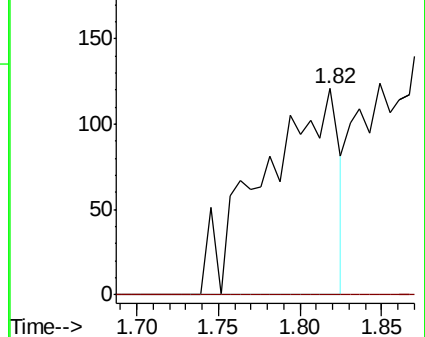
64 100

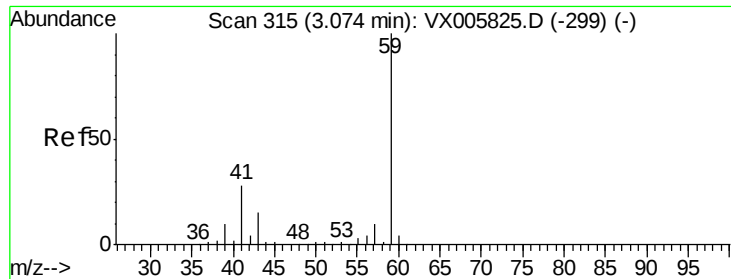
66 0.0 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

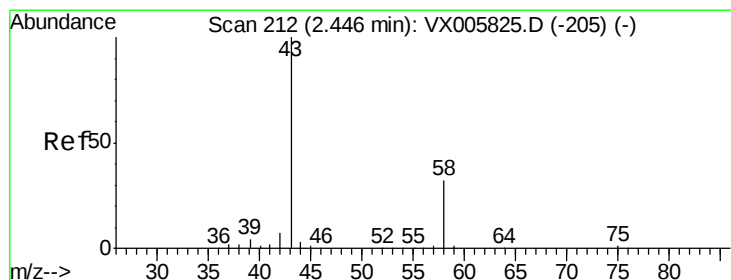
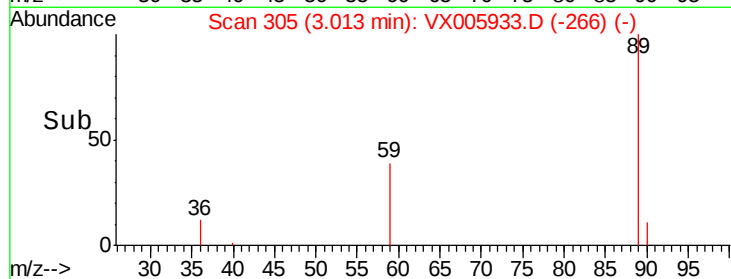
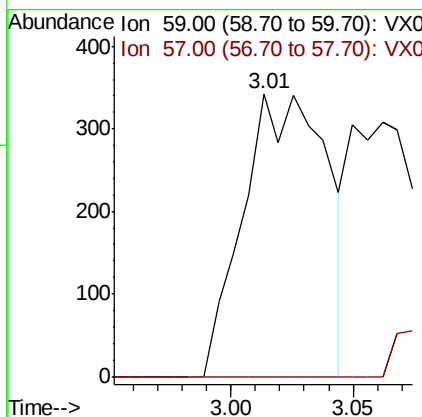
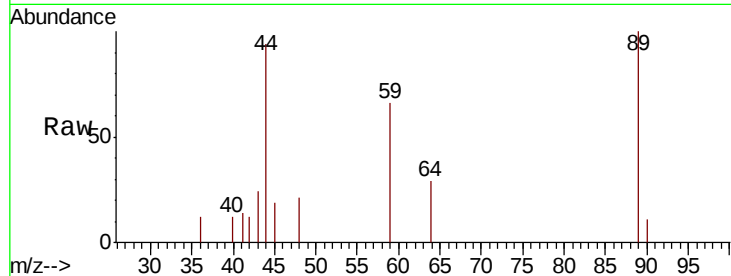




#11
Tert butyl alcohol
Concen: 2.466 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.06 min
Lab File: VX005933.D
Acq: 13 Nov 2018 06:38

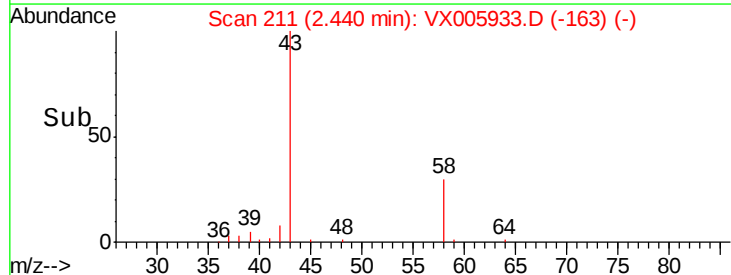
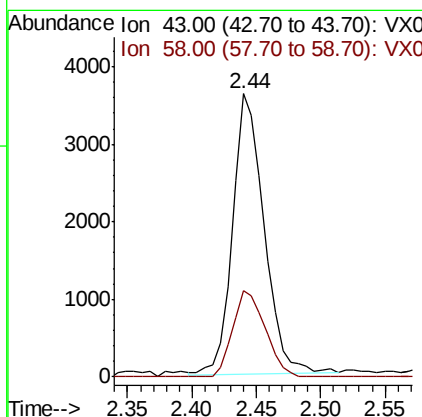
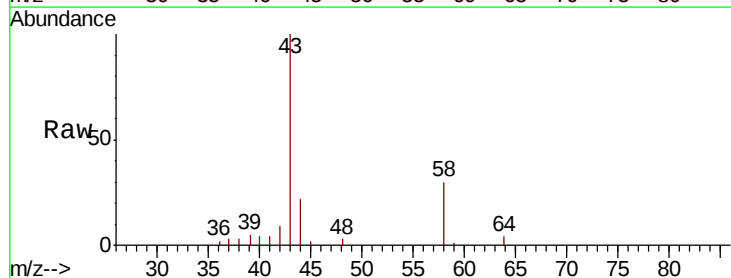
Instrument :
MSVOA_X
ClientSampleId :
DW-9

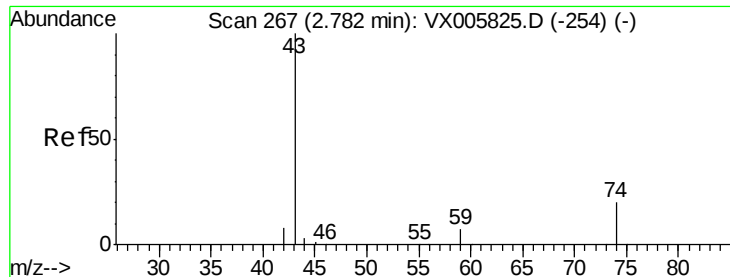
Tot Ion: 59 Resp: 818
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 9.864 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX005933.D
Acq: 13 Nov 2018 06:38

Tgt Ion: 43 Resp: 6149
Ion Ratio Lower Upper
43 100
58 30.9 23.8 35.6

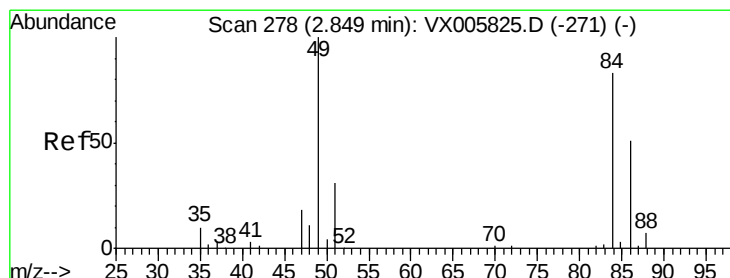
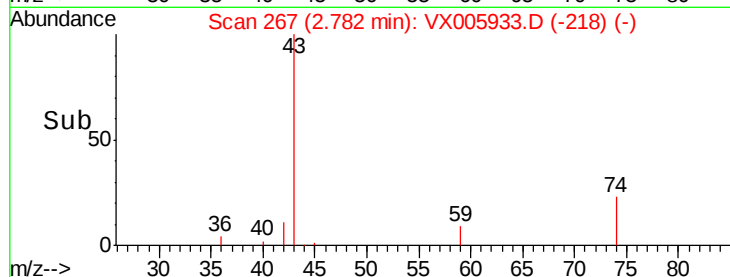
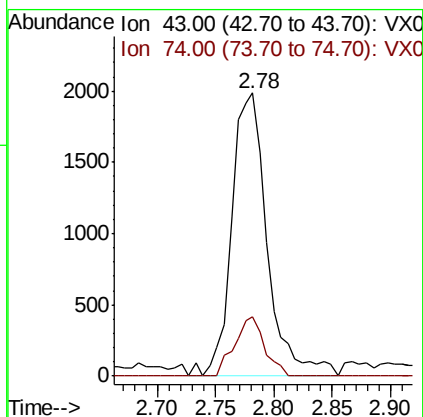
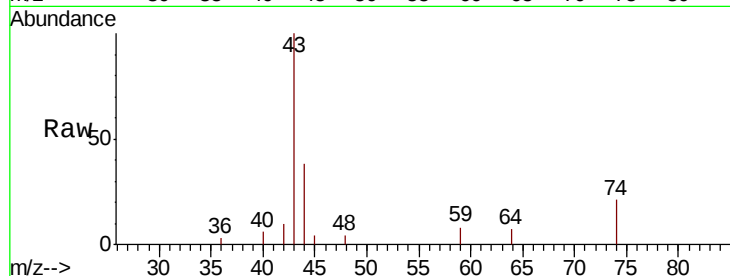




#18
Methyl Acetate
Concen: 1.086 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005933.D
Acq: 13 Nov 2018 06:38

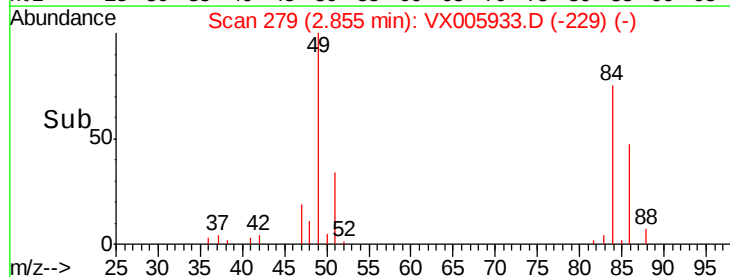
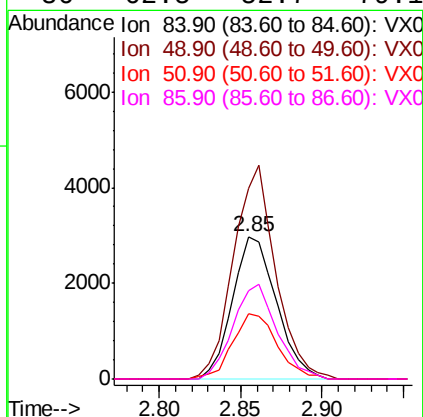
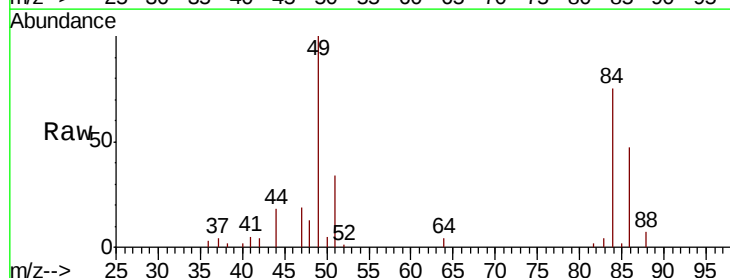
Instrument :
MSVOA_X
ClientSampleId :
DW-9

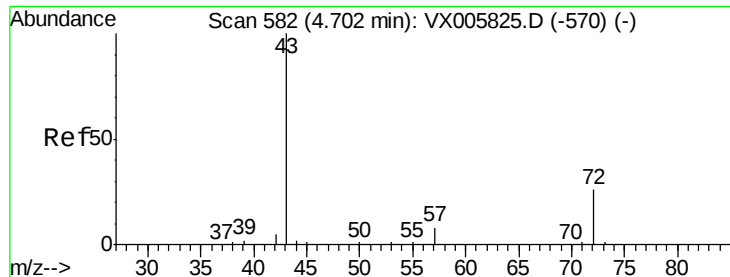
Tot Ion: 43 Resp: 4239
Ion Ratio Lower Upper
43 100
74 17.4 16.8 25.2



#20
Methylene Chloride
Concen: 5.447 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005933.D
Acq: 13 Nov 2018 06:38

Tgt Ion: 84 Resp: 5578
Ion Ratio Lower Upper
84 100
49 133.9 109.5 164.3
51 45.6 33.3 49.9
86 62.5 52.7 79.1





#25

2-Butanone

Concen: 2.057 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX005933.D

Acq: 13 Nov 2018 06:38

Instrument :

MSVOA_X

ClientSampled :

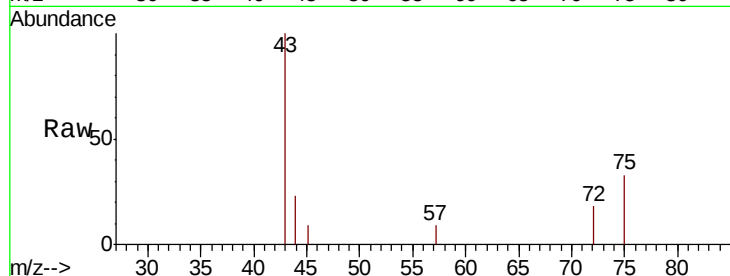
DW-9

Tot Ion: 43 Resp: 2016

Ion Ratio Lower Upper

43 100

72 18.4 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

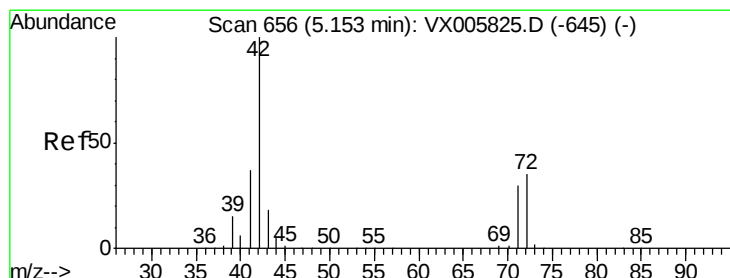
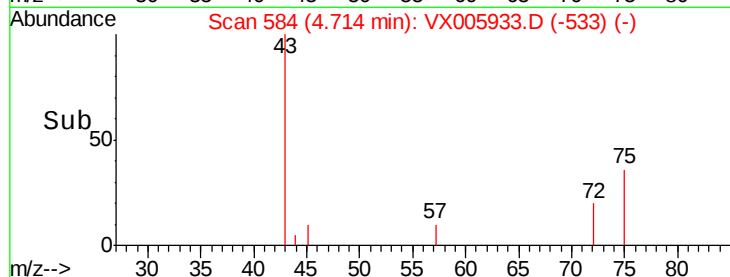
600

400

200

0

Time-->



#29

Tetrahydrofuran

Concen: 0.454 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005933.D

Acq: 13 Nov 2018 06:38

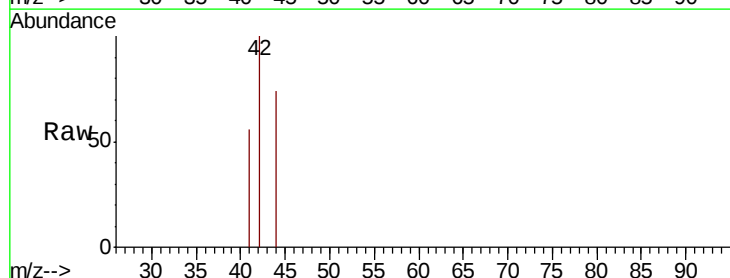
Tgt Ion: 42 Resp: 286

Ion Ratio Lower Upper

42 100

72 6.6 32.0 48.0#

71 6.6 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

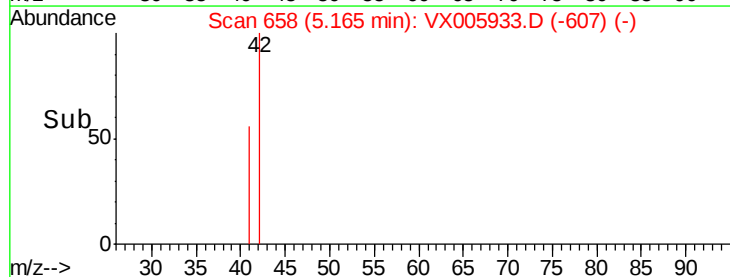
150

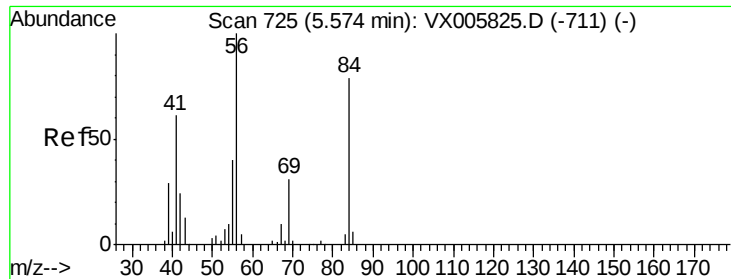
100

50

0

Time-->

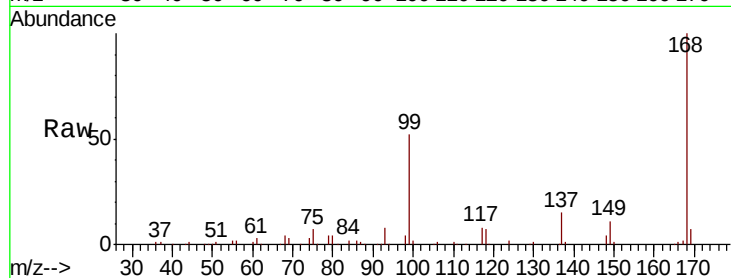




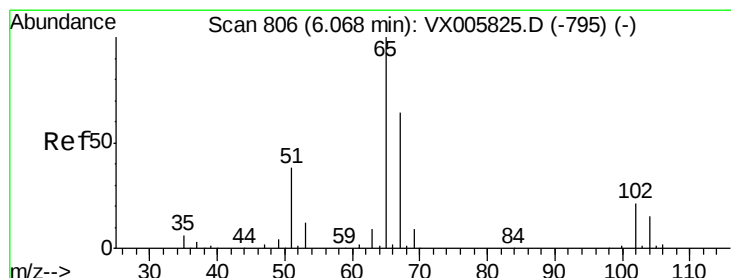
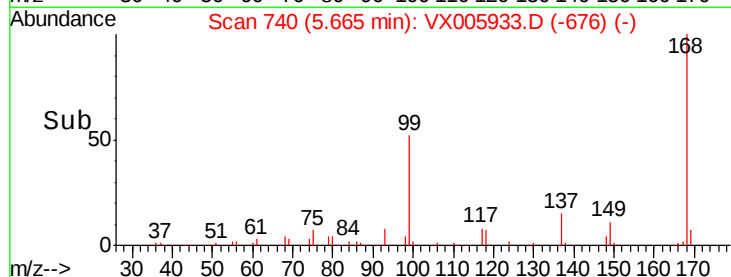
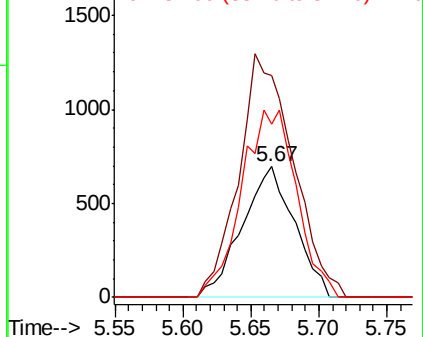
#31
Cyclohexane
Concen: 1.163 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005933.D
Acq: 13 Nov 2018 06:38

Instrument :
MSVOA_X
ClientSampled :
DW-9

Tot Ion: 56 Resp: 1876
Ion Ratio Lower Upper
56 100
69 169.3 22.6 34.0#
84 132.2 62.7 94.1#

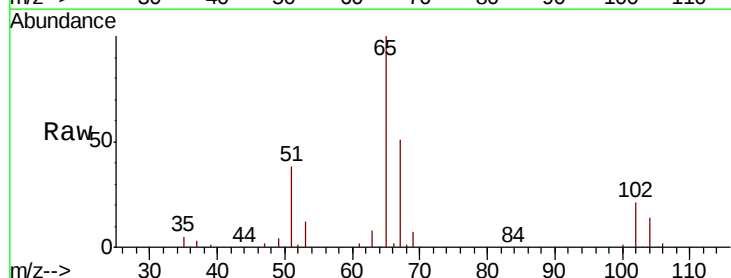


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

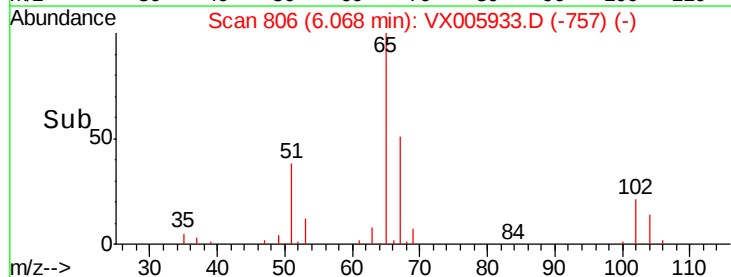
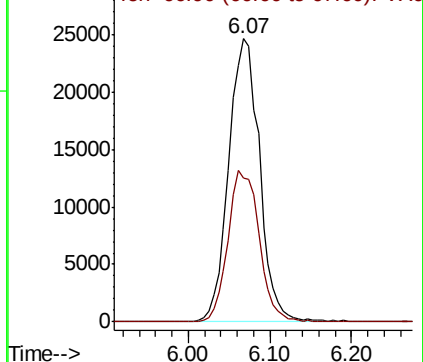


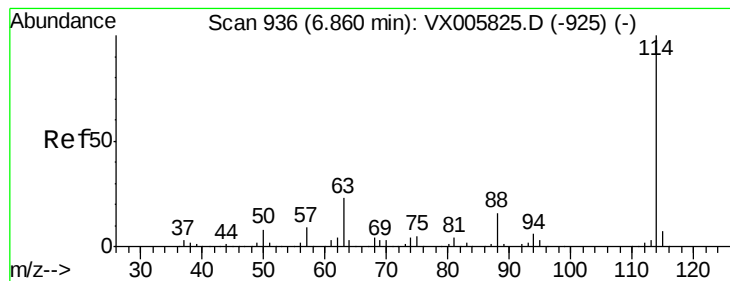
#33
1,2-Dichloroethane-d4
Concen: 55.558 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX005933.D
Acq: 13 Nov 2018 06:38

Tgt Ion: 65 Resp: 64325
Ion Ratio Lower Upper
65 100
67 54.1 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: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX005933.D

Acq: 13 Nov 2018 06:38

Instrument :

MSVOA_X

ClientSampleId :

DW-9

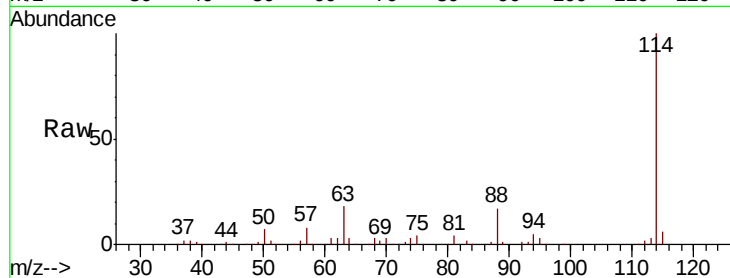
Tot Ion:114 Resp: 150325

Ion Ratio Lower Upper

114 100

63 18.0 0.0 42.8

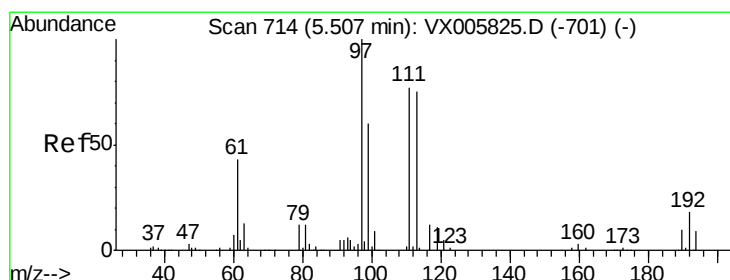
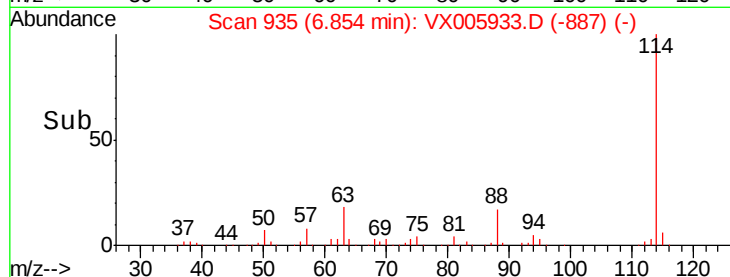
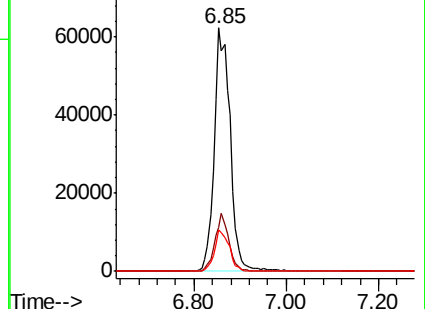
88 17.2 0.0 31.2



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: 49.957 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX005933.D

Acq: 13 Nov 2018 06:38

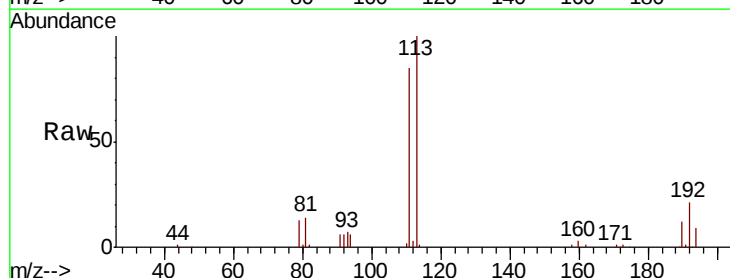
Tgt Ion:113 Resp: 51078

Ion Ratio Lower Upper

113 100

111 100.0 82.3 123.5

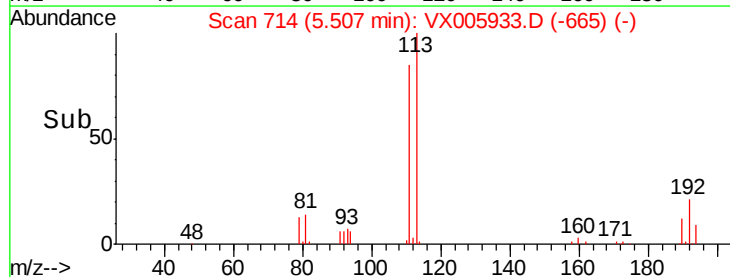
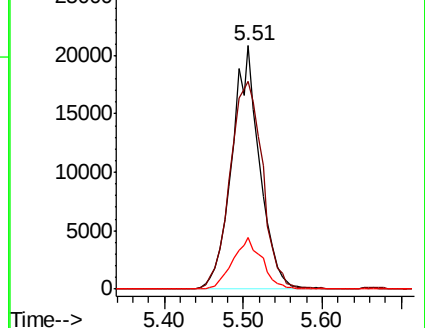
192 22.3 17.9 26.9

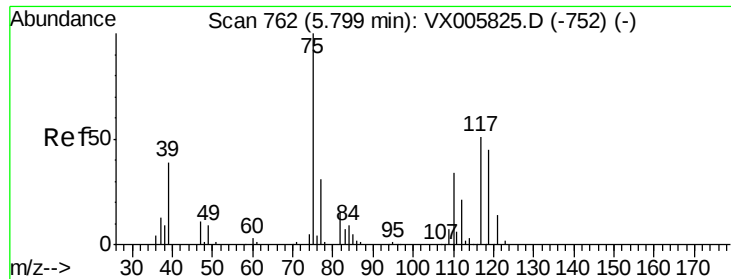


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

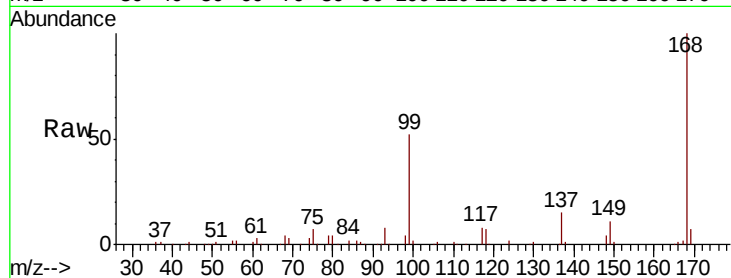




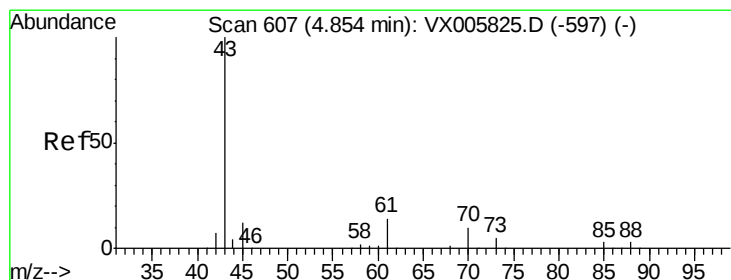
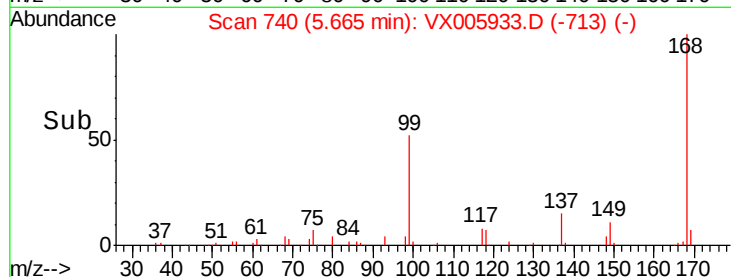
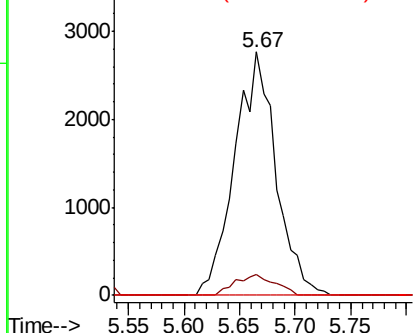
#36
 1,1-Dichloropropene
 Concen: 4.901 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005933.D
 Acq: 13 Nov 2018 06:38

Instrument :
 MSVOA_X
 ClientSampled :
 DW-9

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.4	52.2#
77	0.0	25.8	38.6#

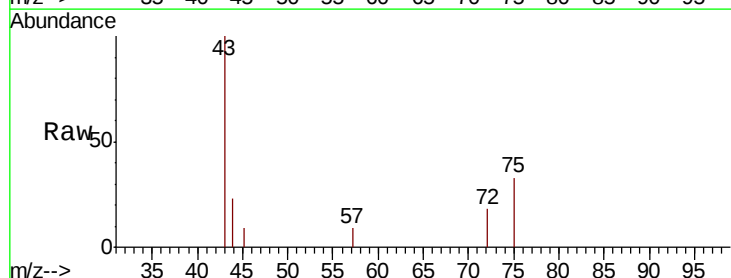


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

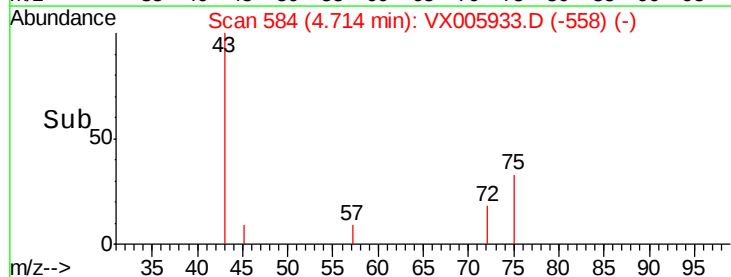
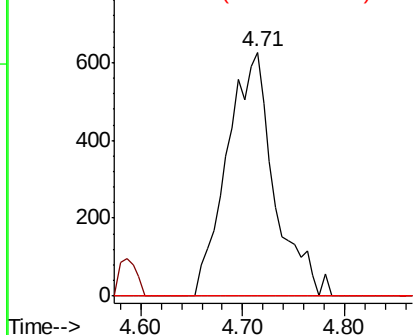


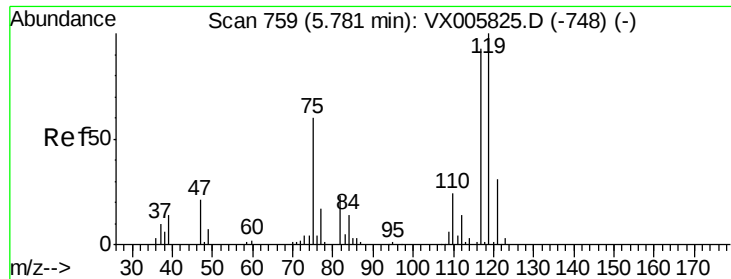
#37
 Ethyl Acetate
 Concen: 1.058 ug/l
 RT: 4.71 min Scan# 584
 Delta R.T. -0.14 min
 Lab File: VX005933.D
 Acq: 13 Nov 2018 06:38

Tgt 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

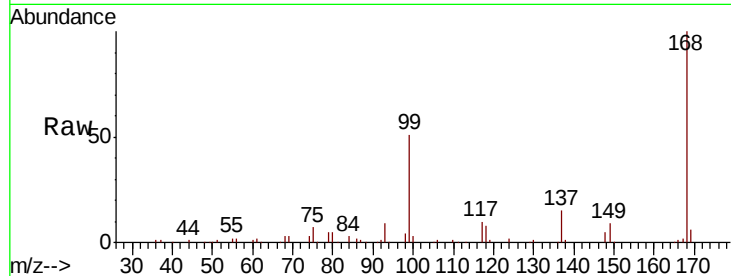




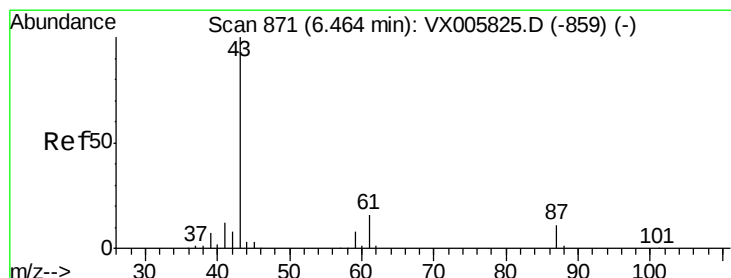
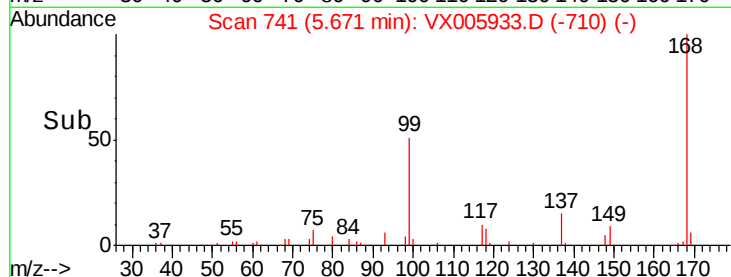
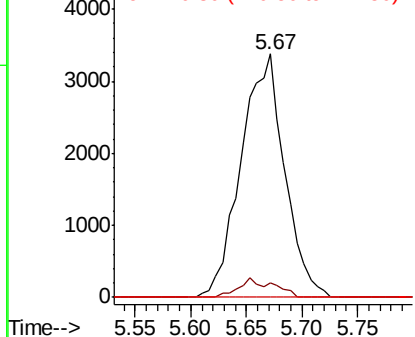
#38
Carbon Tetrachloride
Concen: 6.332 ug/l
RT: 5.67 min Scan# 741
Delta R.T. -0.11 min
Lab File: VX005933.D
Acq: 13 Nov 2018 06:38

Instrument :
MSVOA_X
ClientSampled :
DW-9

Tot Ion:117 Resp: 9186
Ion Ratio Lower Upper
117 100
119 5.7 78.1 117.1#
121 0.0 24.6 36.8#

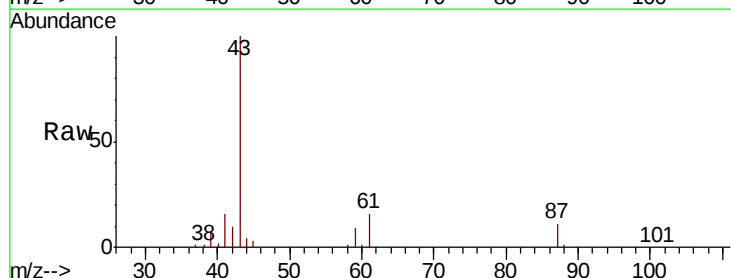


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

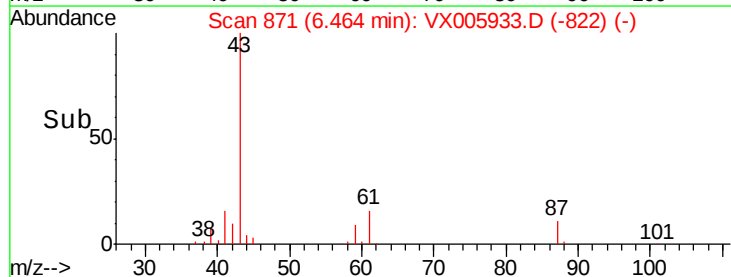
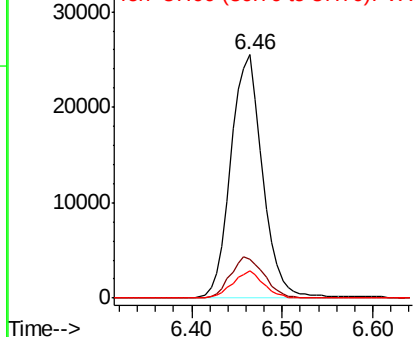


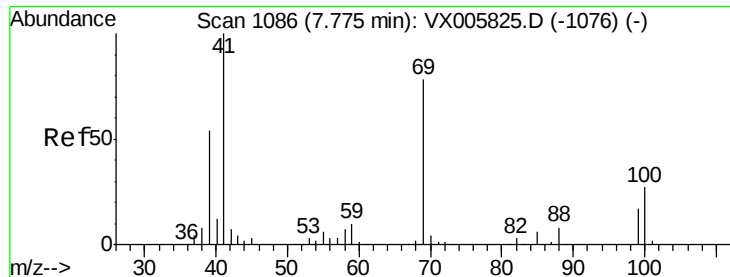
#43
Isopropyl Acetate
Concen: 22.491 ug/l
RT: 6.46 min Scan# 871
Delta R.T. -0.00 min
Lab File: VX005933.D
Acq: 13 Nov 2018 06:38

Tgt Ion: 43 Resp: 62107
Ion Ratio Lower Upper
43 100
61 17.9 14.6 22.0
87 10.8 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

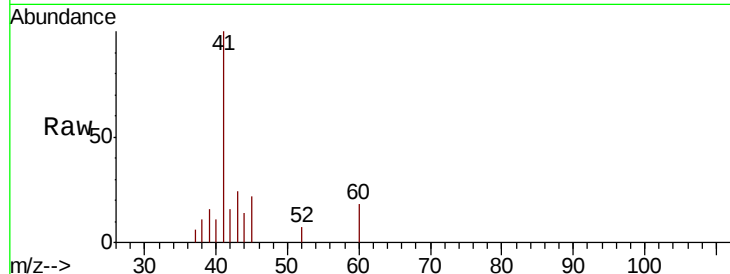




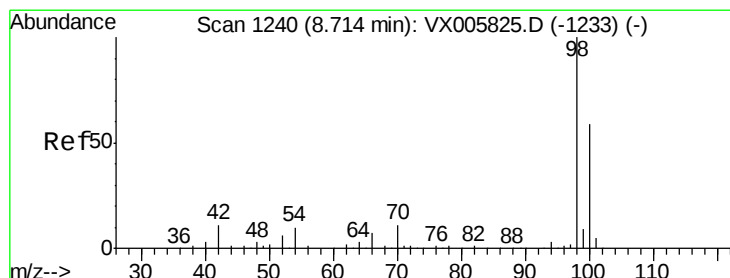
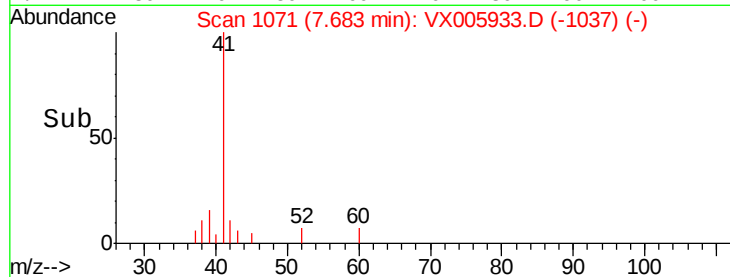
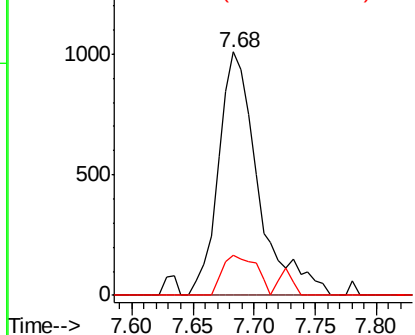
#48
Methvl methacrylate
Concen: 1.836 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.09 min
Lab File: VX005933.D
Acq: 13 Nov 2018 06:38

Instrument :
MSVOA_X
ClientSampled :
DW-9

Tot Ion: 41 Resp: 2277
Ion Ratio Lower Upper
41 100
69 0.0 63.2 94.8#
39 14.0 42.2 63.2#

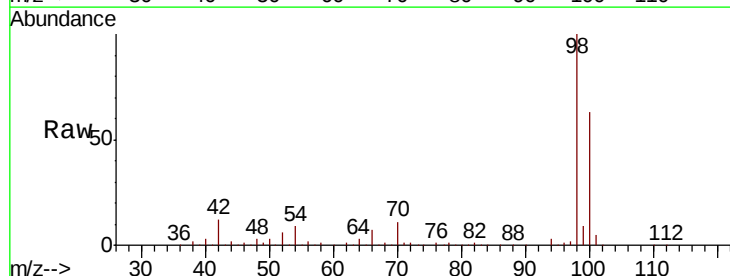


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

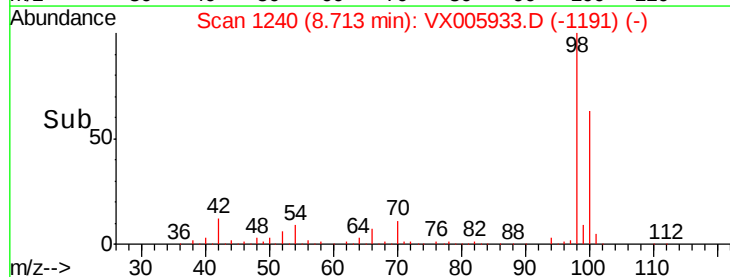
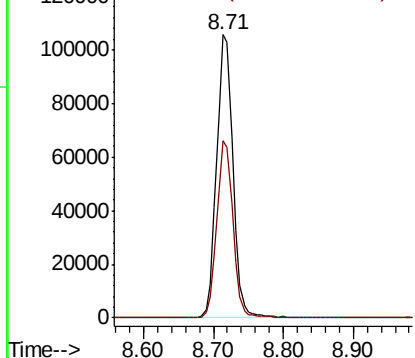


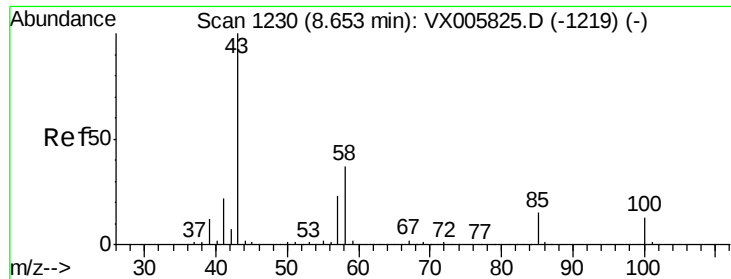
#50
Toluene-d8
Concen: 50.469 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005933.D
Acq: 13 Nov 2018 06:38

Tgt Ion: 98 Resp: 171554
Ion Ratio Lower Upper
98 100
100 61.9 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: 0.478 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.04 min

Lab File: VX005933.D

Acq: 13 Nov 2018 06:38

Instrument :

MSVOA_X

ClientSampleId :

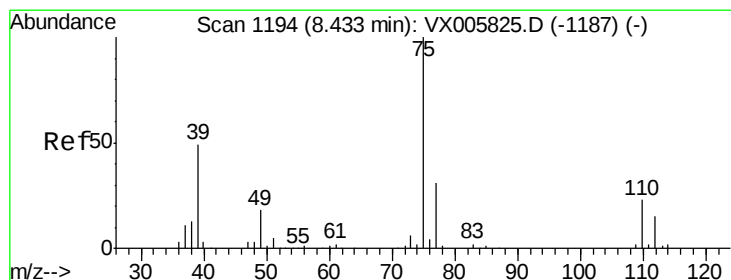
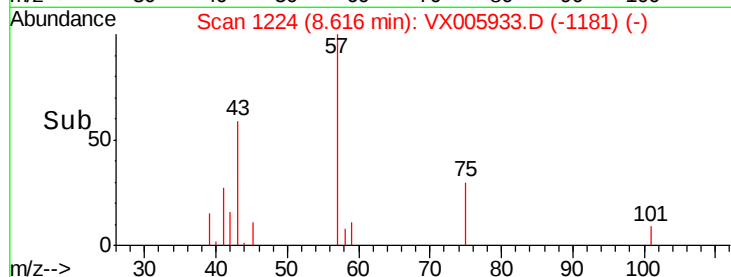
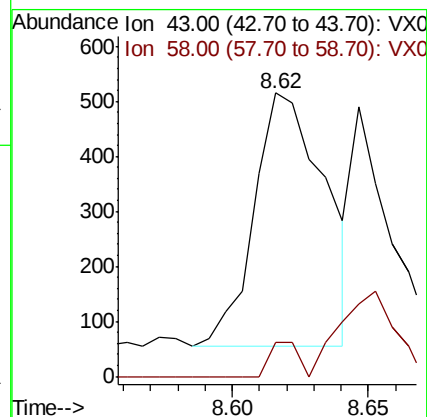
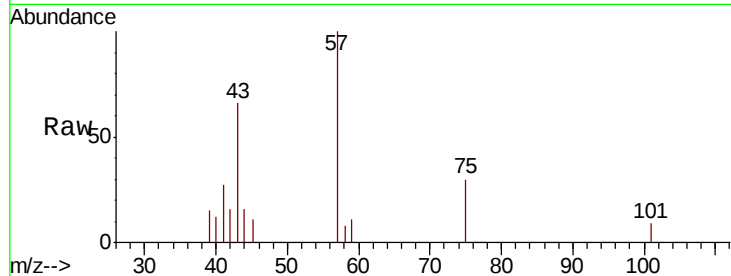
DW-9

Tot Ion: 43 Resp: 832

Ion Ratio Lower Upper

43 100

58 5.4 29.7 44.5#



#54

cis-1,3-Dichloropropene

Concen: 0.238 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. 0.19 min

Lab File: VX005933.D

Acq: 13 Nov 2018 06:38

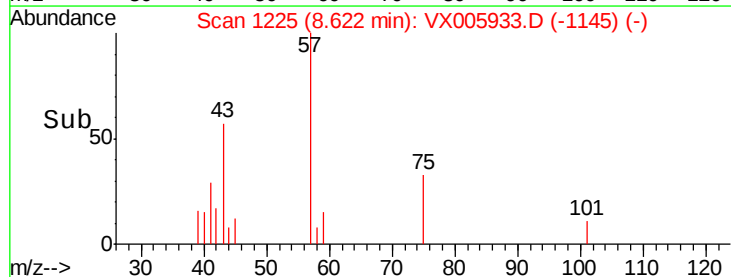
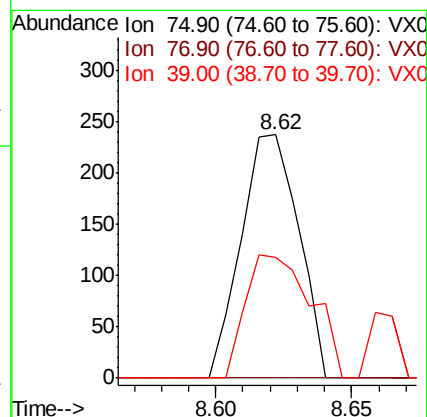
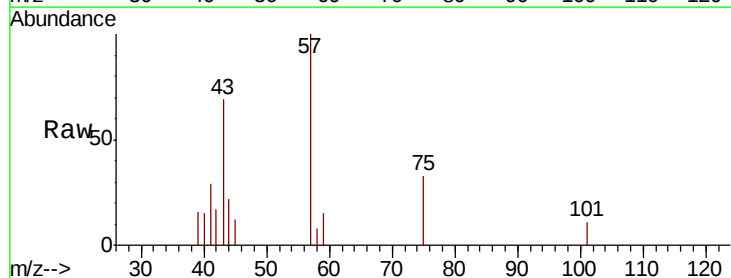
Tgt Ion: 75 Resp: 348

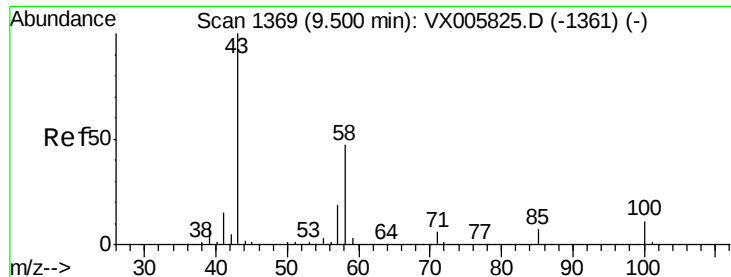
Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

39 49.6 38.2 57.2

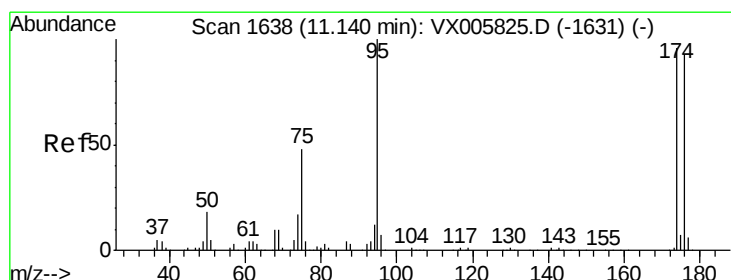
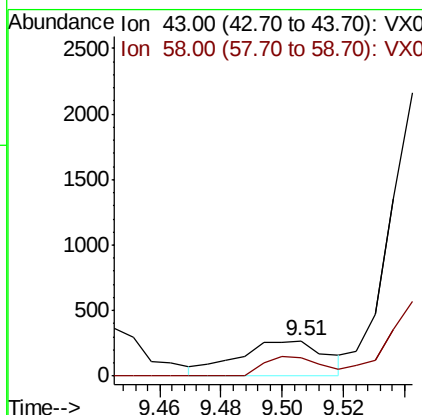
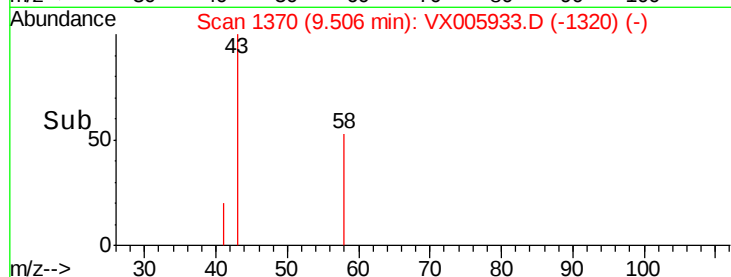
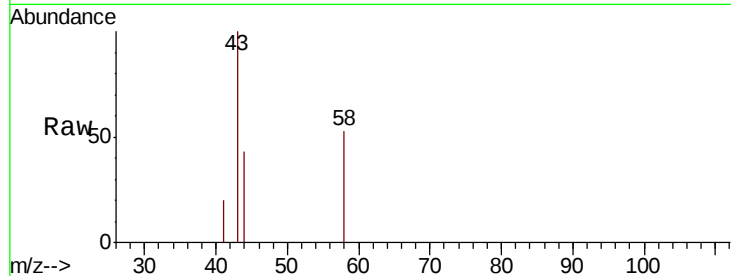




#59
2-Hexanone
Concen: 0.354 ug/l
RT: 9.51 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VX005933.D
Acq: 13 Nov 2018 06:38

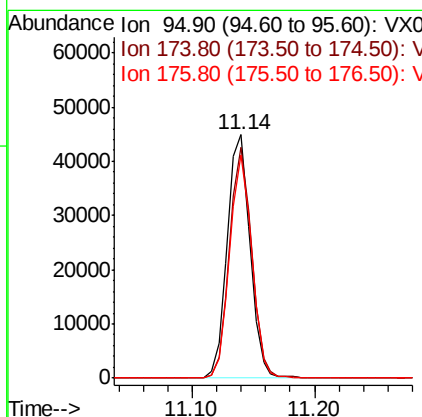
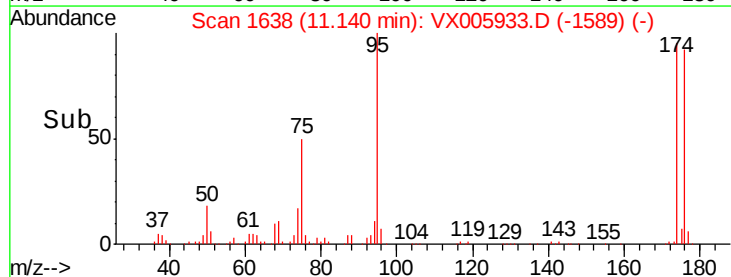
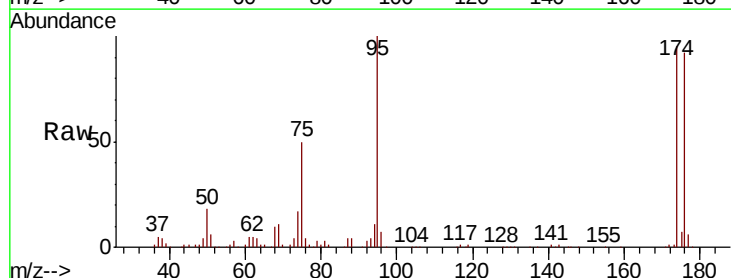
Instrument :
MSVOA_X
ClientSampleId :
DW-9

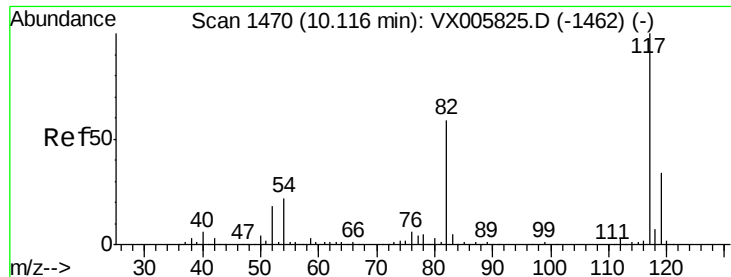
Tot Ion: 43 Resp: 543
Ion Ratio Lower Upper
43 100
58 36.6 25.9 77.8



#62
4-Bromofluorobenzene
Concen: 47.298 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005933.D
Acq: 13 Nov 2018 06:38

Tgt Ion: 95 Resp: 57804
Ion Ratio Lower Upper
95 100
174 92.2 0.0 184.4
176 89.1 0.0 177.4

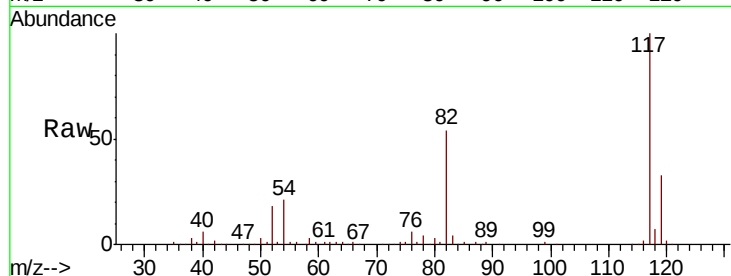




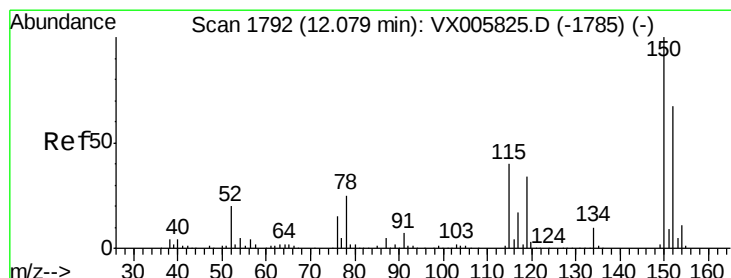
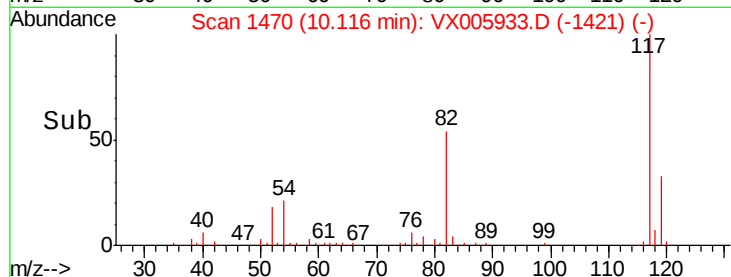
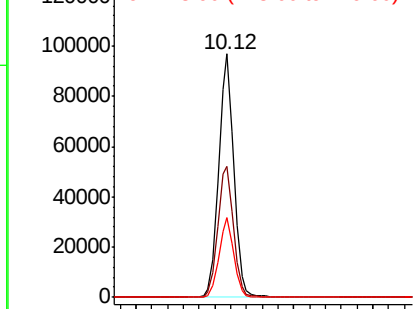
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005933.D
Acq: 13 Nov 2018 06:38

Instrument :
MSVOA_X
ClientSampleId :
DW-9

Tot Ion:117 Resp: 129645
Ion Ratio Lower Upper
117 100
82 53.7 44.1 66.1
119 32.6 26.2 39.2

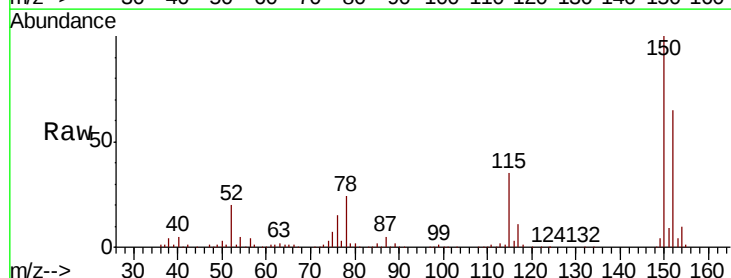


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

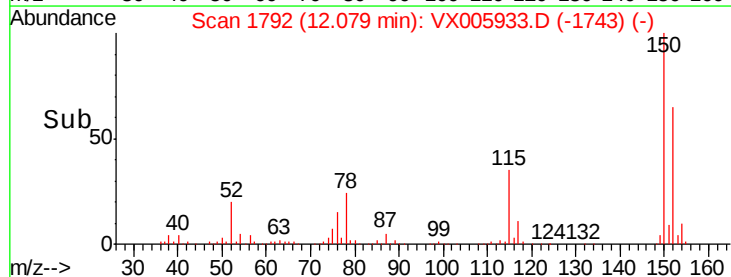
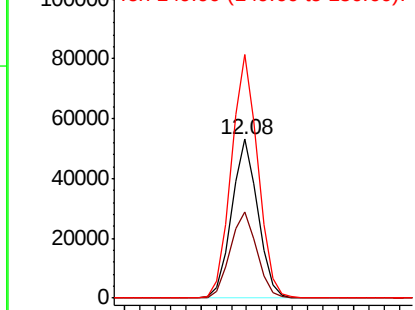


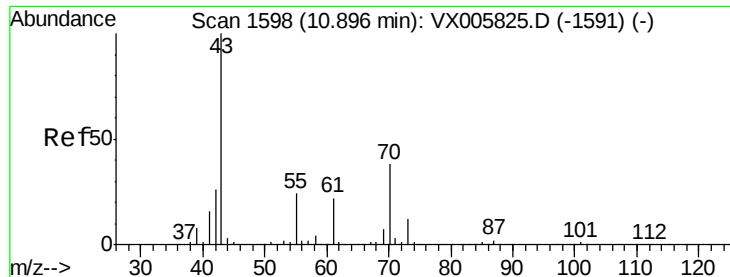
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005933.D
Acq: 13 Nov 2018 06:38

Tgt Ion:152 Resp: 62587
Ion Ratio Lower Upper
152 100
115 55.4 39.4 118.1
150 155.8 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: 1.262 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.02 min

Lab File: VX005933.D

Acq: 13 Nov 2018 06:38

Instrument :

MSVOA_X

ClientSampleId :

DW-9

Tot Ion: 43 Resp: 23

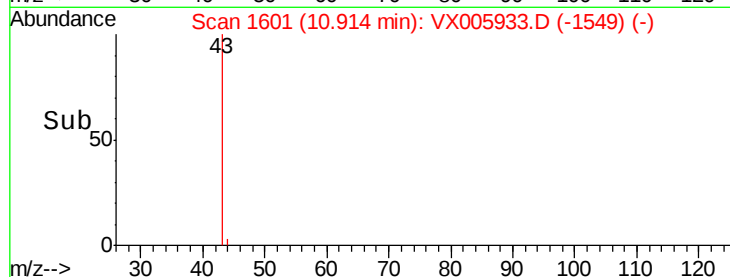
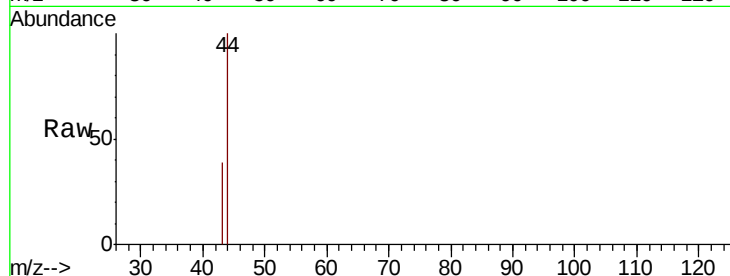
Ion Ratio Lower Upper

43 100

70 0.0 31.6 47.4#

55 0.0 19.7 29.5#

61 0.0 18.3 27.5#

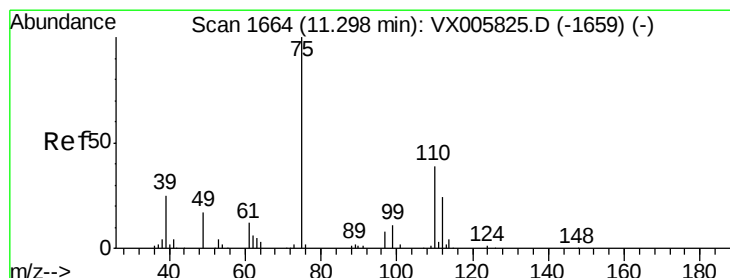
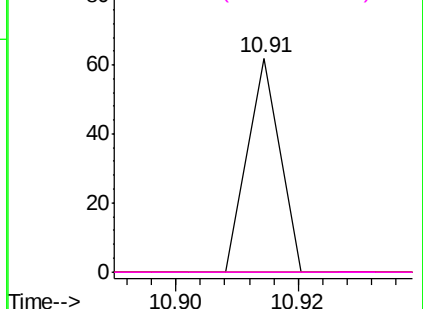


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.766 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005933.D

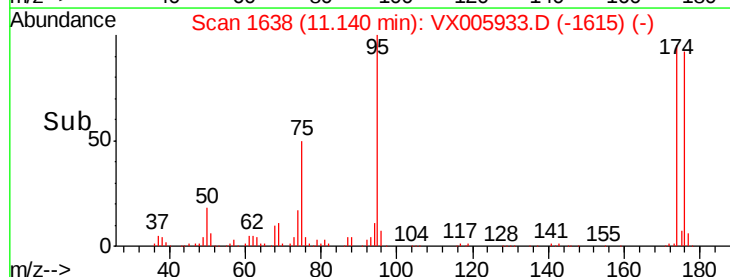
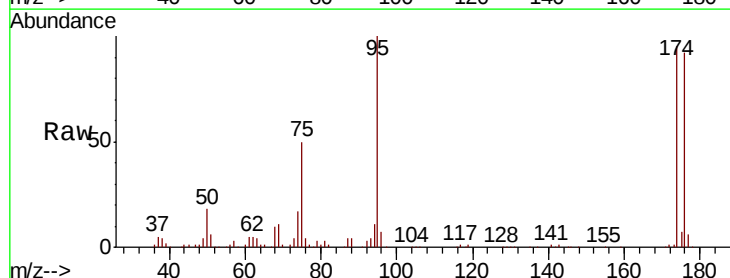
Acq: 13 Nov 2018 06:38

Tgt Ion: 75 Resp: 29013

Ion Ratio Lower Upper

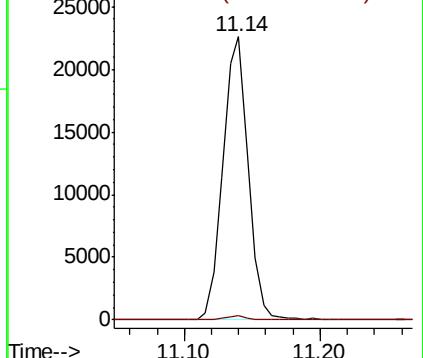
75 100

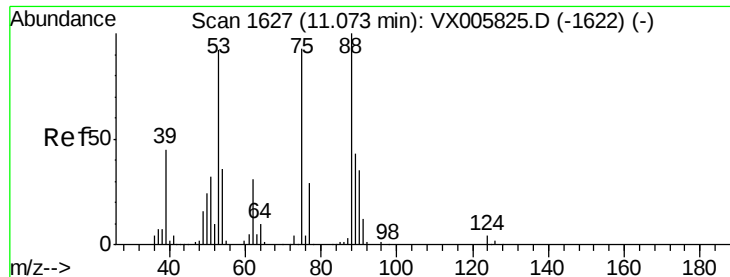
77 1.2 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

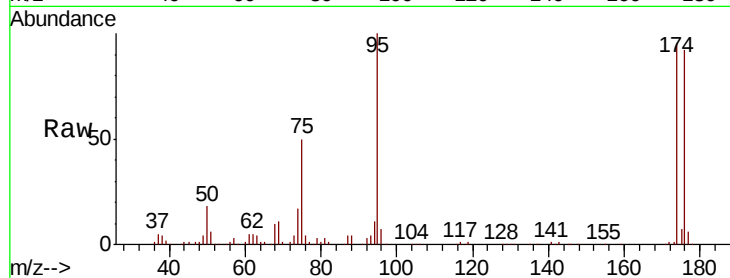




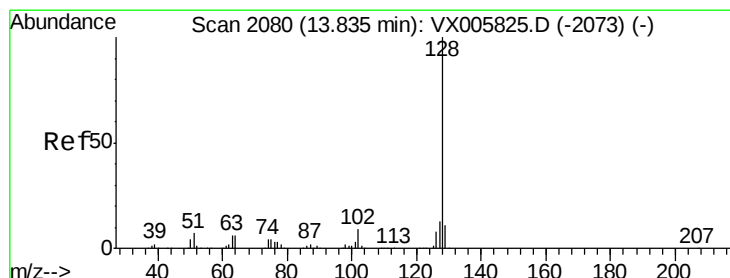
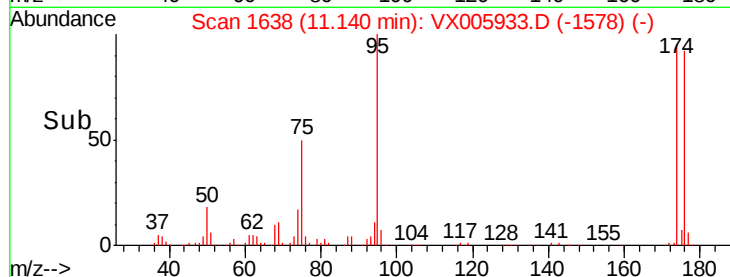
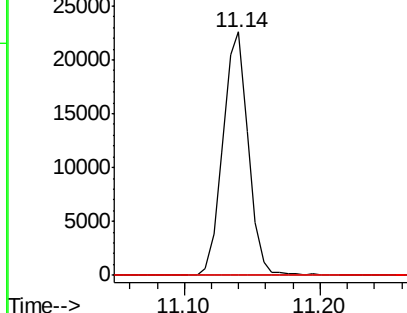
#81
trans-1,4-Dichloro-2-butene
Concen: 72.559 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.07 min
Lab File: VX005933.D
Acq: 13 Nov 2018 06:38

Instrument :
MSVOA_X
ClientSampled :
DW-9

Tot Ion: 75 Resp: 29013
Ion Ratio Lower Upper
75 100
53 0.1 80.2 120.2#
89 0.0 39.8 59.8#

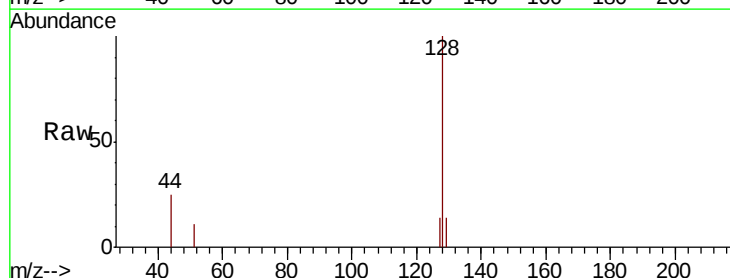


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#95
Naphthalene
Concen: 1.326 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005933.D
Acq: 13 Nov 2018 06:38

Tgt Ion:128 Resp: 686
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 7.3 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

