

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX103018\
 Data File : VX005693.D
 Acq On : 30 Oct 2018 15:54
 Operator : JC/MD
 Sample : PB114242ZHE#04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114242ZHE#04

Quant Time: Oct 31 01:03:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	231677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	346627	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	303423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	142826	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	142096	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
35) Dibromofluoromethane	5.51	113	108743	46.33	ug/l	0.00
Spiked Amount			Recovery	=	92.66%	
50) Toluene-d8	8.71	98	396103	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
62) 4-Bromofluorobenzene	11.14	95	132895	41.73	ug/l	0.00
Spiked Amount			Recovery	=	83.46%	

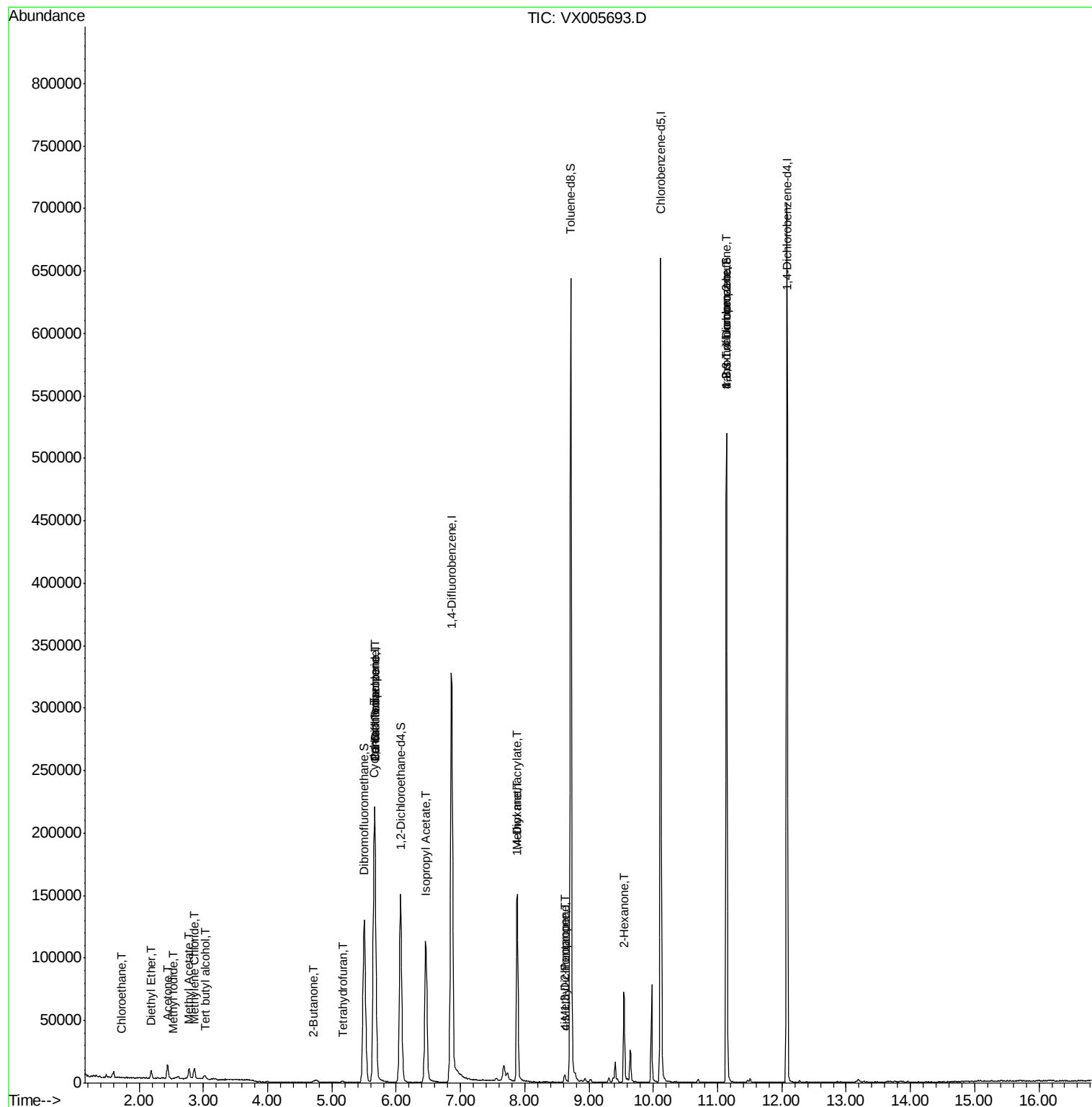
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	441	0.241	ug/l	92
8) Diethyl Ether	2.19	74	2166	1.364	ug/l	96
10) Methyl Iodide	2.53	142	233	2.818	ug/l #	39
11) Tert butyl alcohol	3.02	59	2219	2.916	ug/l #	74
16) Acetone	2.44	43	11749	7.862	ug/l	100
18) Methyl Acetate	2.78	43	9557	1.161	ug/l	96
20) Methylene Chloride	2.85	84	3728	1.490	ug/l	92
25) 2-Butanone	4.70	43	1845	0.811	ug/l	95
29) Tetrahydrofuran	5.17	42	868	0.586	ug/l	94
31) Cyclohexane	5.65	56	4523	1.186	ug/l #	21
36) 1,1-Dichloropropene	5.67	75	15424	4.585	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21027	5.935	ug/l #	15
43) Isopropyl Acetate	6.46	43	155176	24.124	ug/l	99
48) Methyl methacrylate	7.88	41	14565	4.648	ug/l #	46
49) 1,4-Dioxane	7.87	88	19	0.277	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	2153	0.498	ug/l #	49
54) cis-1,3-Dichloropropene	8.62	75	917	0.243	ug/l #	68
59) 2-Hexanone	9.54	43	8977	2.634	ug/l #	58
76) 1,2,3-Trichloropropane	11.14	75	65419	21.618	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	65419	70.637	ug/l #	9

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX103018\
Data File : VX005693.D
Acq On : 30 Oct 2018 15:54
Operator : JC/MD
Sample : PB114242ZHE#04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB114242ZHE#04

Quant Time: Oct 31 01:03:11 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 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: VX005693.D

Acq: 30 Oct 2018 15:54

Instrument :

MSVOA_X

ClientSampleId :

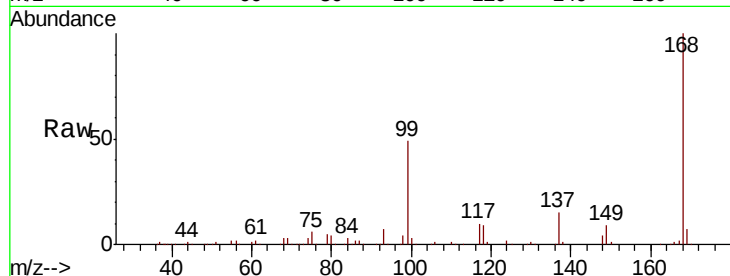
PB114242ZHE#04

Tot Ion:168 Resp: 231677

Ion Ratio Lower Upper

168 100

99 49.3 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

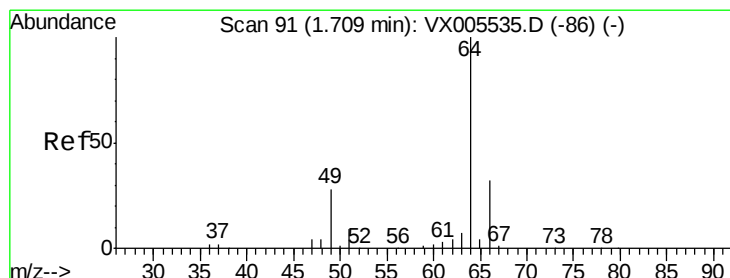
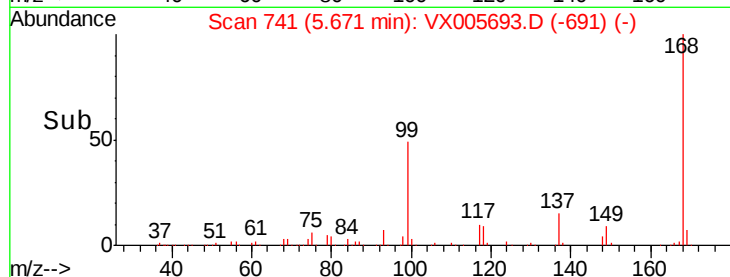
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.241 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX005693.D

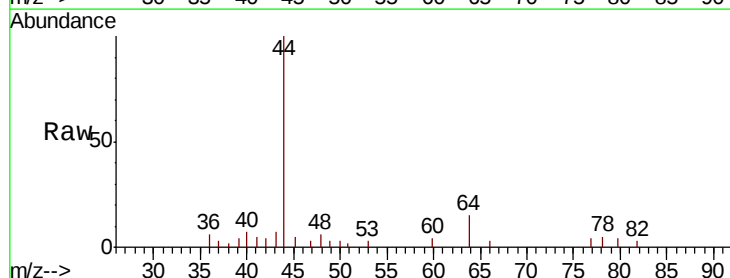
Acq: 30 Oct 2018 15:54

Tgt Ion: 64 Resp: 441

Ion Ratio Lower Upper

64 100

66 28.0 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

500

400

300

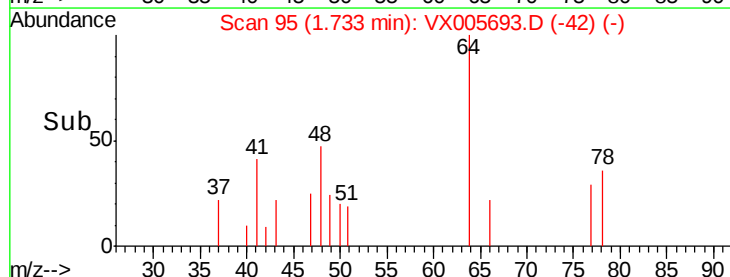
200

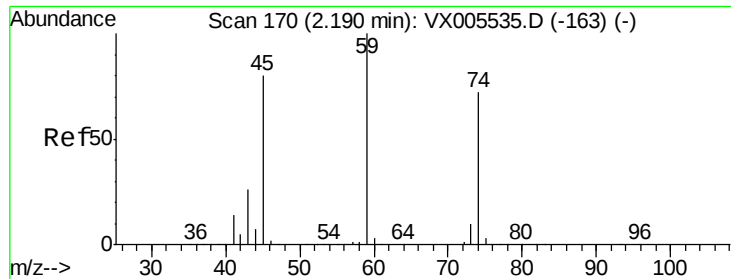
100

0

Time-->

1.65 1.70 1.75





#8

Diethyl Ether

Concen: 1.364 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX005693.D

Acq: 30 Oct 2018 15:54

Instrument :

MSVOA_X

ClientSampleId :

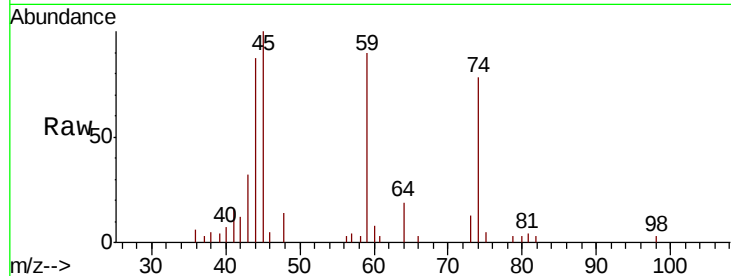
PB114242ZHE#04

Tot Ion: 74 Resp: 2166

Ion Ratio Lower Upper

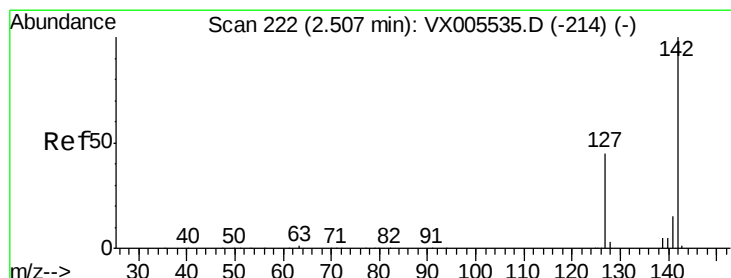
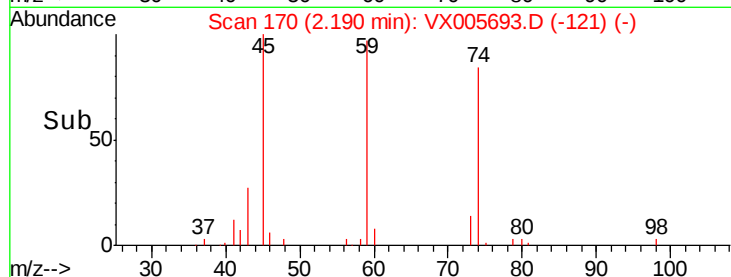
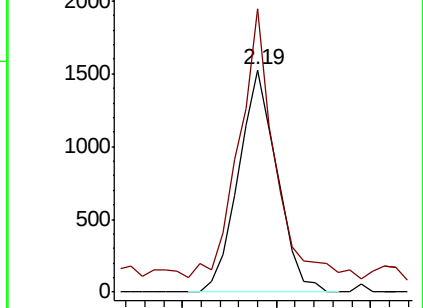
74 100

45 112.0 54.1 162.3



Abundance Ion 74.00 (73.70 to 74.70): VX005535.D (-163) (-)

Ion 45.00 (44.70 to 45.70): VX005535.D (-163) (-)



#10

Methyl Iodide

Concen: 2.818 ug/l

RT: 2.53 min Scan# 226

Delta R.T. 0.02 min

Lab File: VX005693.D

Acq: 30 Oct 2018 15:54

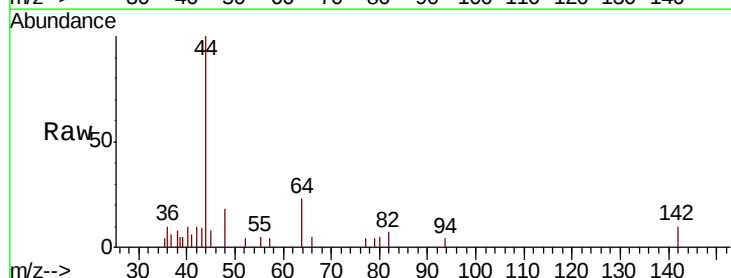
Tgt Ion:142 Resp: 233

Ion Ratio Lower Upper

142 100

127 0.0 36.0 54.0#

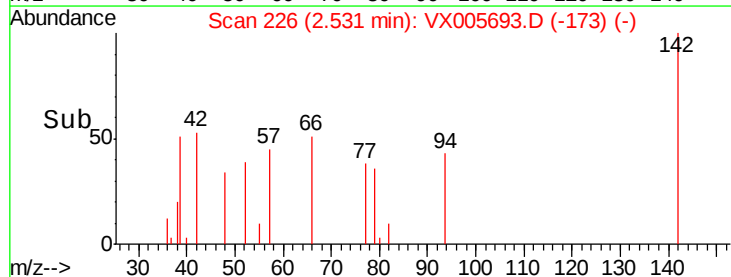
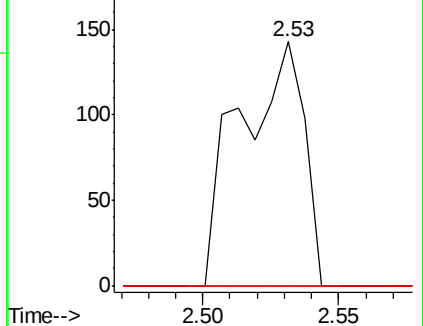
141 0.0 11.7 17.5#

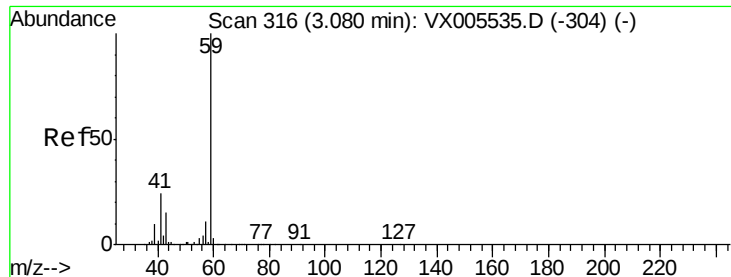


Abundance Ion 141.80 (141.50 to 142.50): VX005535.D (-214) (-)

Ion 126.80 (126.50 to 127.50): VX005535.D (-214) (-)

Ion 140.80 (140.50 to 141.50): VX005535.D (-214) (-)



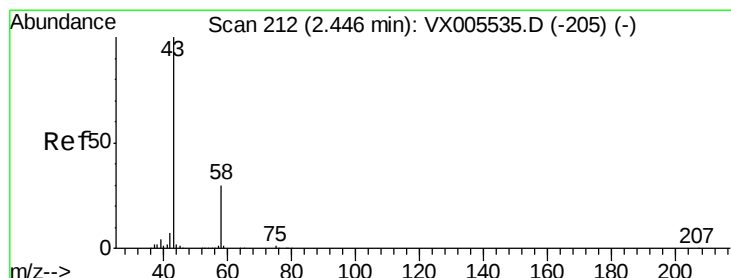
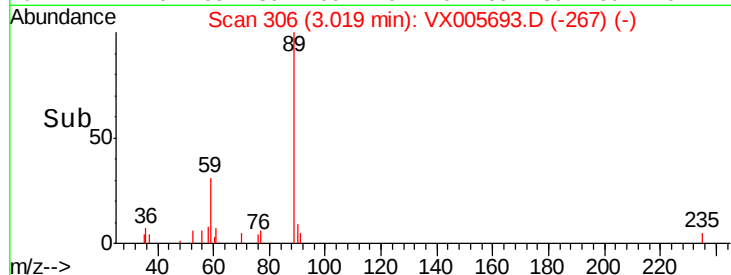
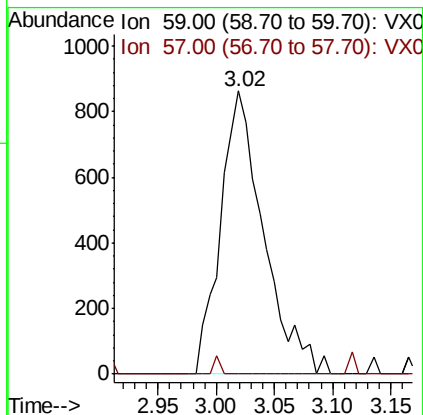
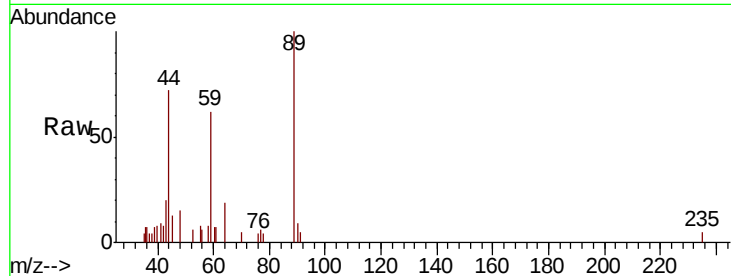


#11

Tert butyl alcohol
 Concen: 2.916 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX005693.D
 Acq: 30 Oct 2018 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114242ZHE#04

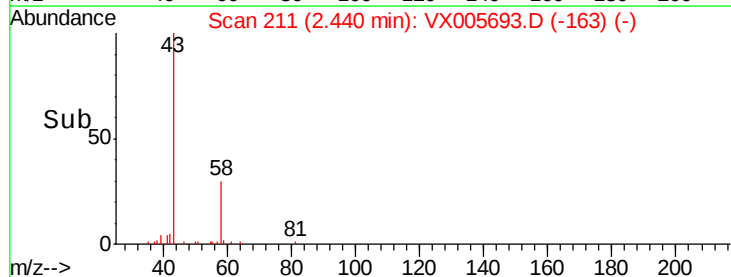
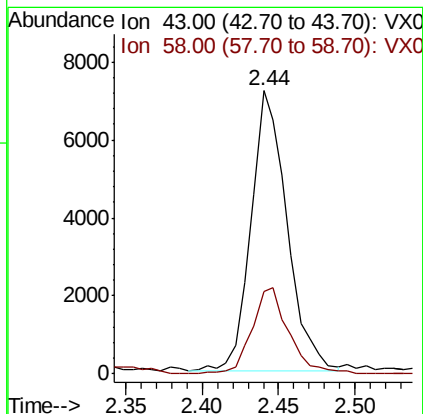
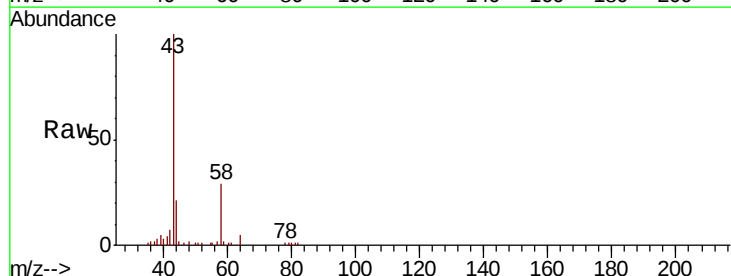
Tot Ion: 59 Resp: 2219
 Ion Ratio Lower Upper
 59 100
 57 0.9 8.5 12.7#

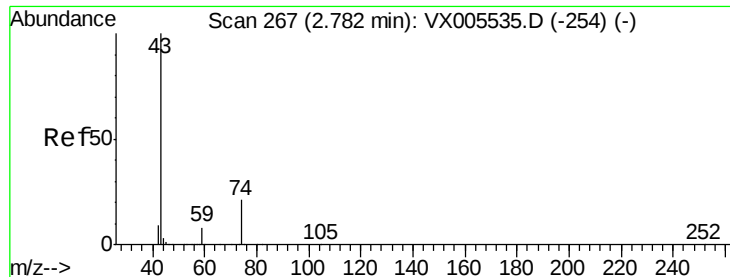


#16

Acetone
 Concen: 7.862 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX005693.D
 Acq: 30 Oct 2018 15:54

Tgt Ion: 43 Resp: 11749
 Ion Ratio Lower Upper
 43 100
 58 29.5 23.8 35.6

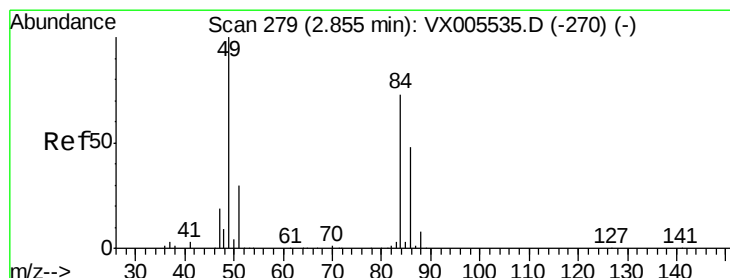
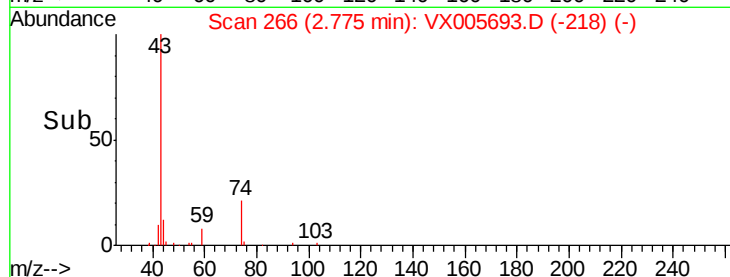
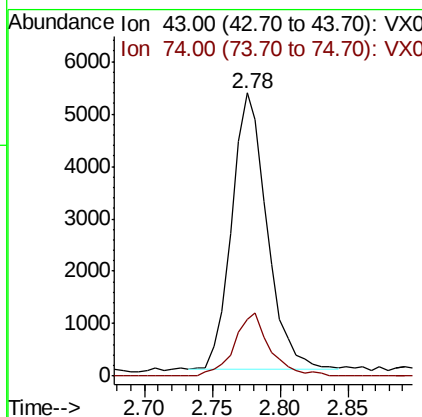
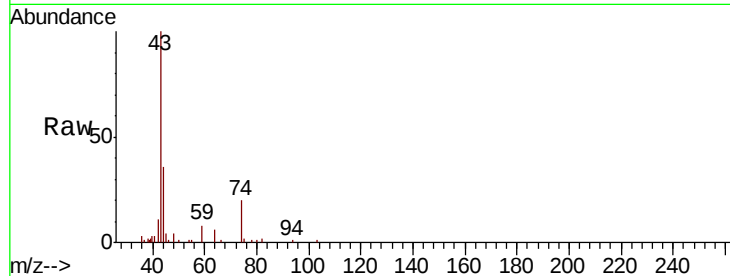




#18
Methvl Acetate
Concen: 1.161 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005693.D
Acq: 30 Oct 2018 15:54

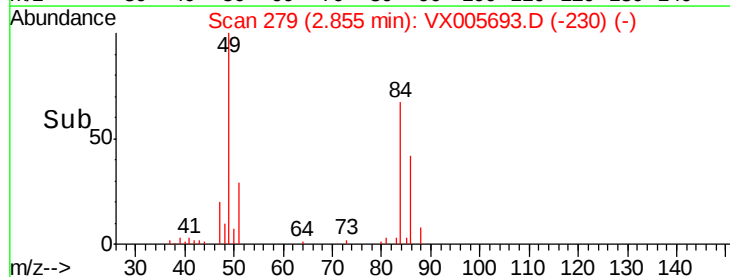
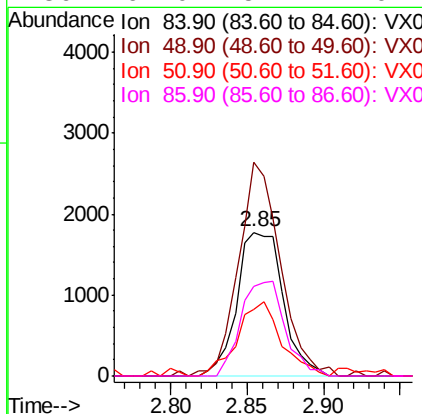
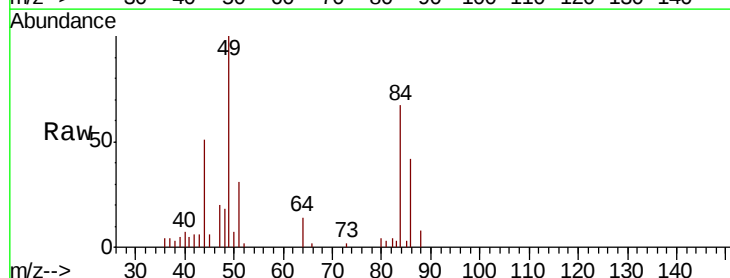
Instrument :
MSVOA_X
ClientSampleId :
PB114242ZHE#04

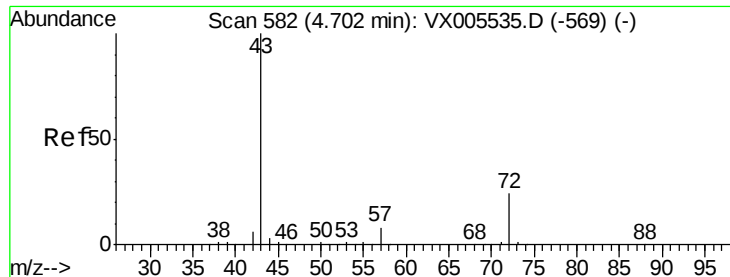
Tot Ion: 43 Resp: 9557
Ion Ratio Lower Upper
43 100
74 23.1 16.8 25.2



#20
Methylene Chloride
Concen: 1.490 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005693.D
Acq: 30 Oct 2018 15:54

Tgt Ion: 84 Resp: 3728
Ion Ratio Lower Upper
84 100
49 148.4 109.5 164.3
51 46.5 33.3 49.9
86 62.0 52.7 79.1





#25

2-Butanone

Concen: 0.811 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005693.D

Acq: 30 Oct 2018 15:54

Instrument :

MSVOA_X

ClientSampleId :

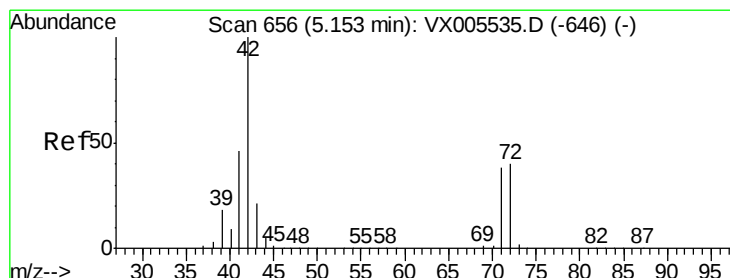
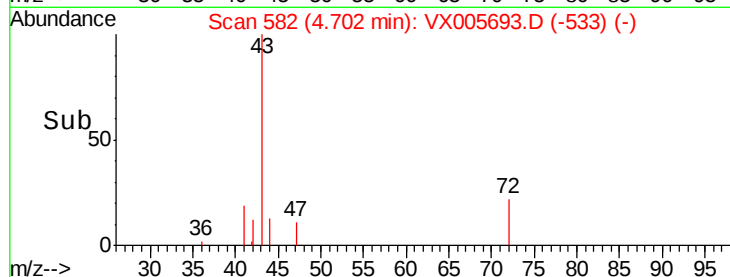
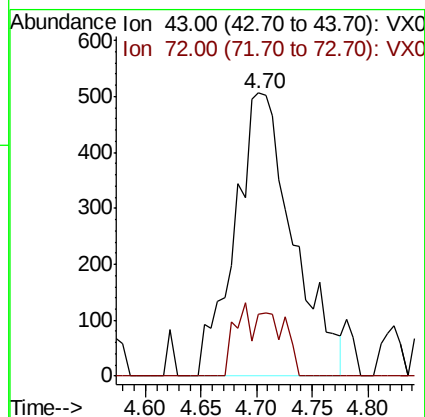
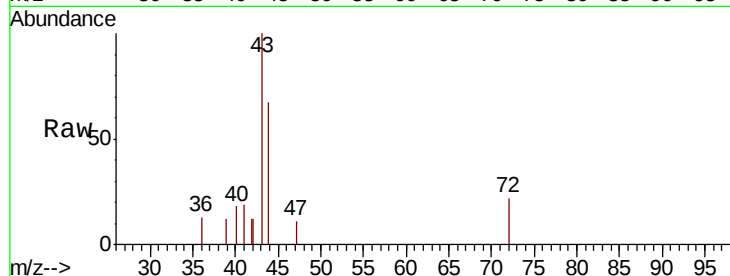
PB114242ZHE#04

Tot Ion: 43 Resp: 1845

Ion Ratio Lower Upper

43 100

72 21.7 19.2 28.8



#29

Tetrahydrofuran

Concen: 0.586 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX005693.D

Acq: 30 Oct 2018 15:54

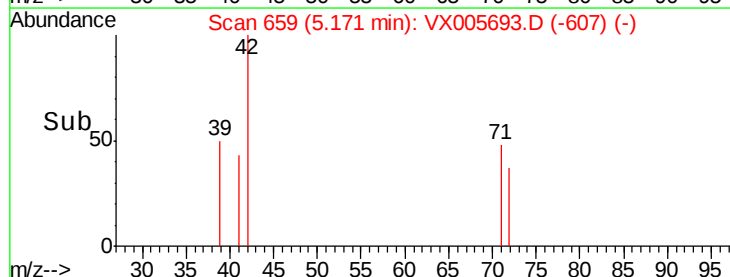
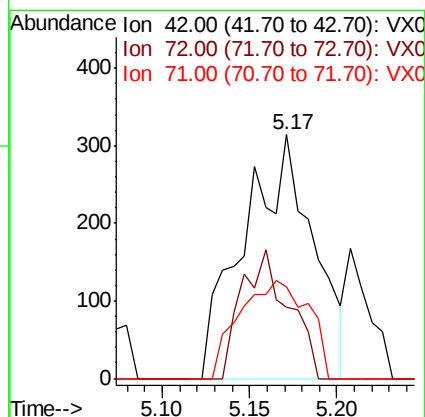
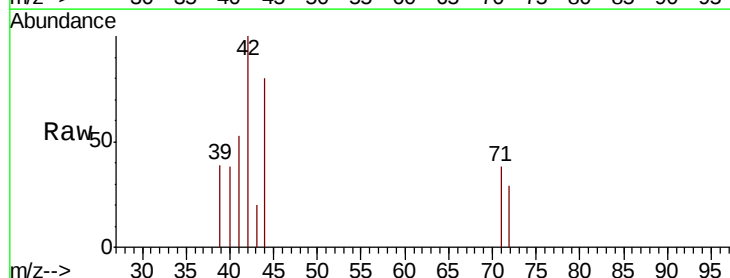
Tgt Ion: 42 Resp: 868

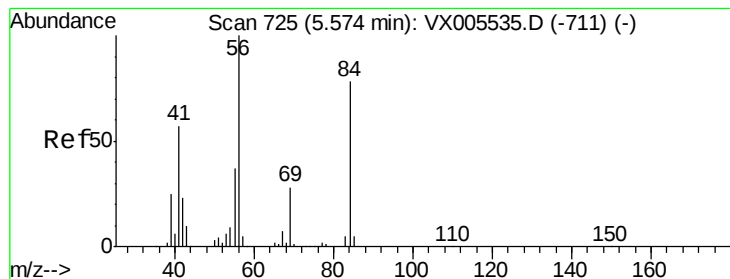
Ion Ratio Lower Upper

42 100

72 35.6 32.0 48.0

71 40.0 29.8 44.8





#31

Cyclohexane

Concen: 1.186 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX005693.D

Acq: 30 Oct 2018 15:54

Instrument :

MSVOA_X

ClientSampleId :

PB114242ZHE#04

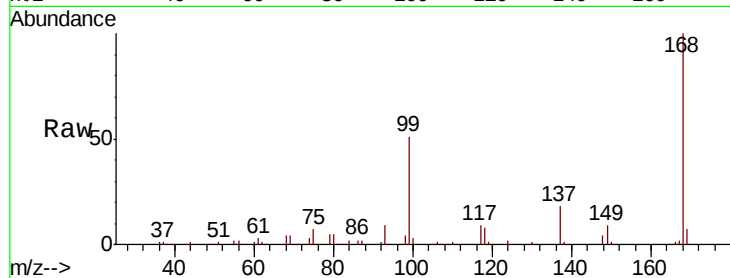
Tot Ion: 56 Resp: 4523

Ion Ratio Lower Upper

56 100

69 154.6 22.6 34.0#

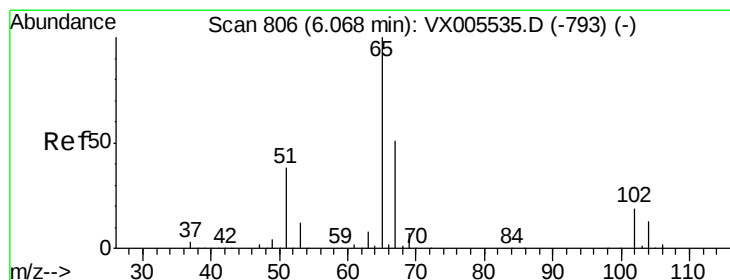
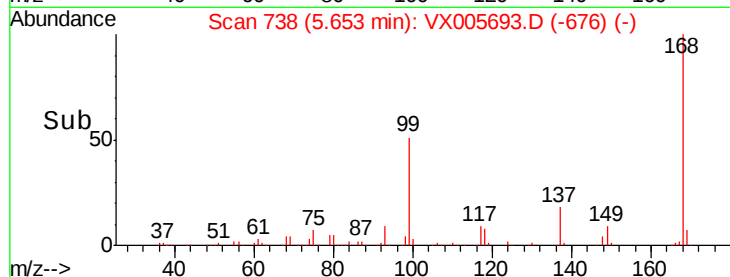
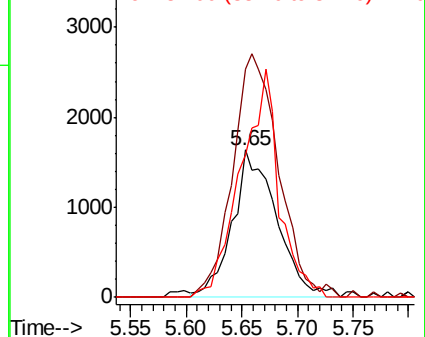
84 96.9 62.7 94.1#



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: 50.245 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX005693.D

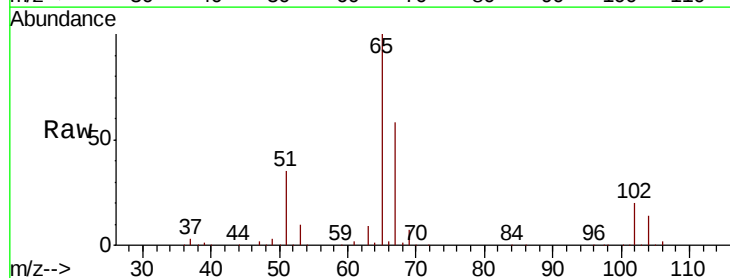
Acq: 30 Oct 2018 15:54

Tgt Ion: 65 Resp: 142096

Ion Ratio Lower Upper

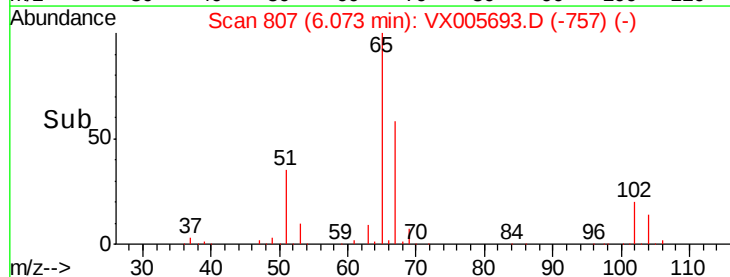
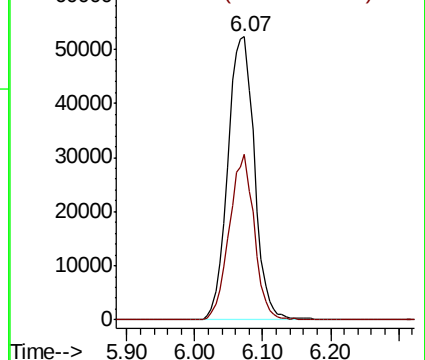
65 100

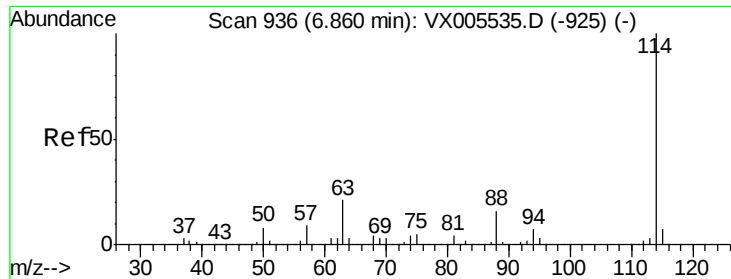
67 54.6 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

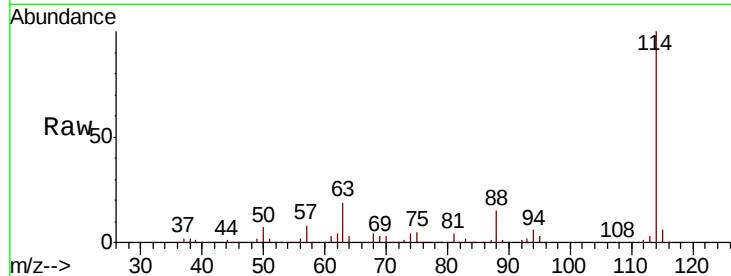




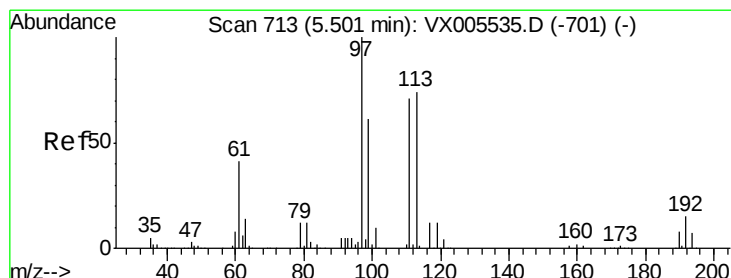
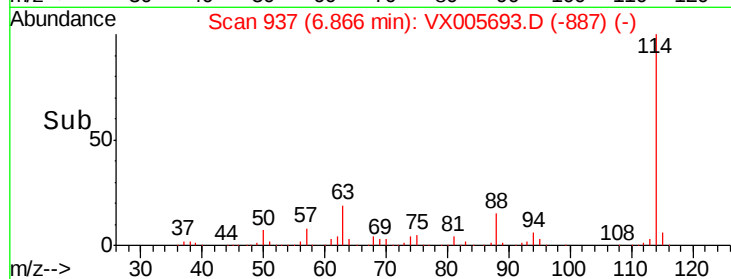
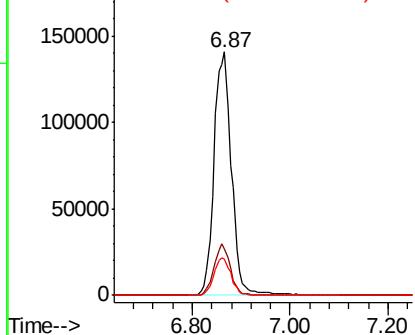
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005693.D
 Acq: 30 Oct 2018 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114242ZHE#04

Tot Ion:114 Resp: 346627
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 42.8
 88 14.7 0.0 31.2

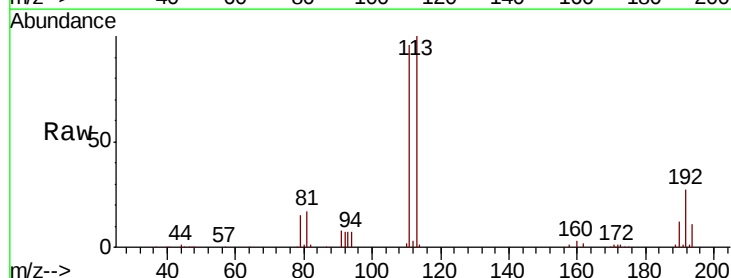


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

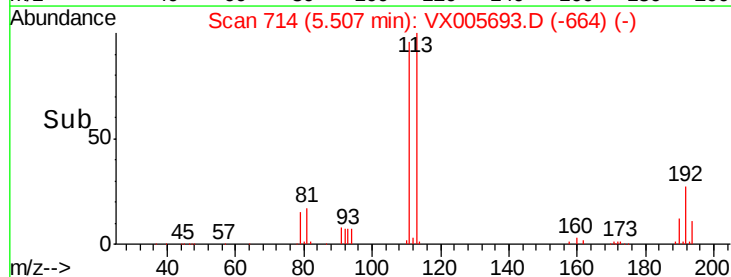
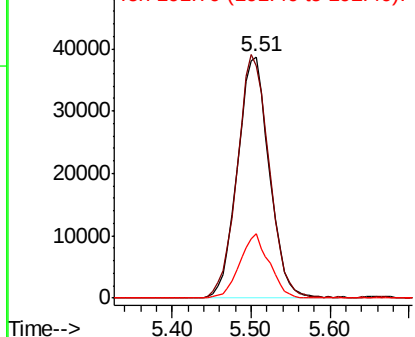


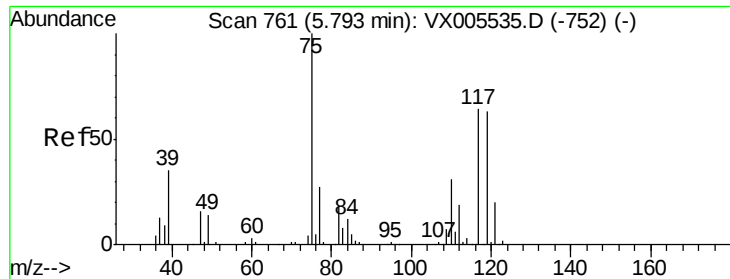
#35
 Dibromofluoromethane
 Concen: 46.331 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005693.D
 Acq: 30 Oct 2018 15:54

Tgt Ion:113 Resp: 108743
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.3 123.5
 192 24.6 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

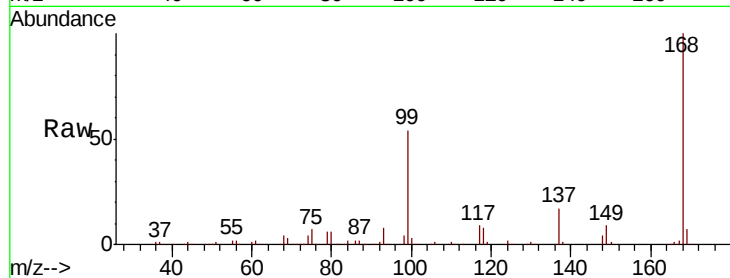




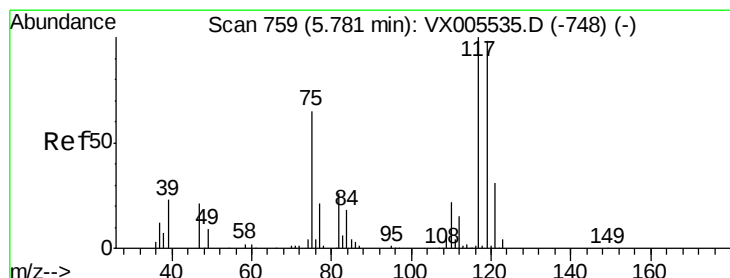
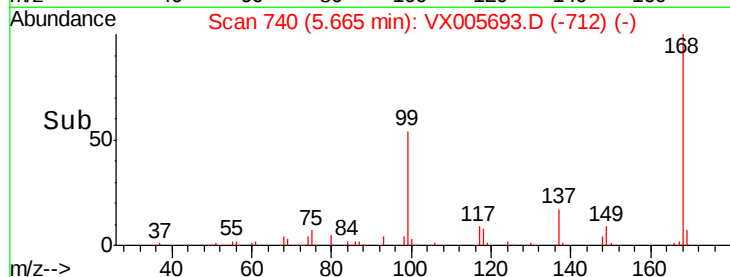
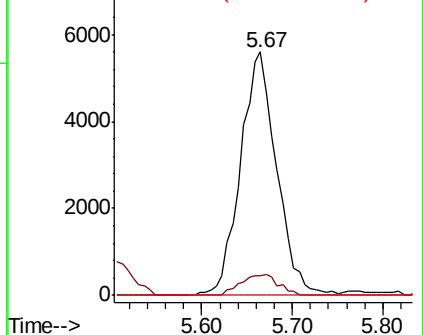
#36
 1,1-Dichloropropene
 Concen: 4.585 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005693.D
 Acq: 30 Oct 2018 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114242ZHE#04

Tot Ion	75	Resp	15424
Ion Ratio	100	Lower	Upper
110	8.8	17.4	52.2#
77	0.0	25.8	38.6#

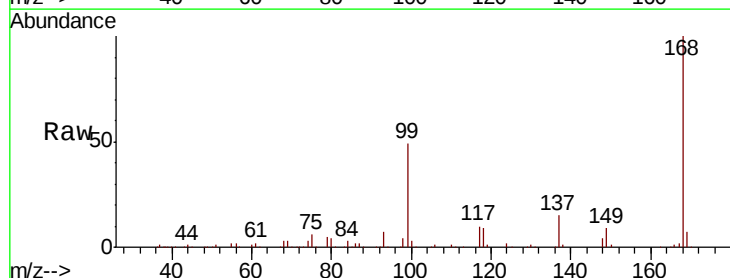


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

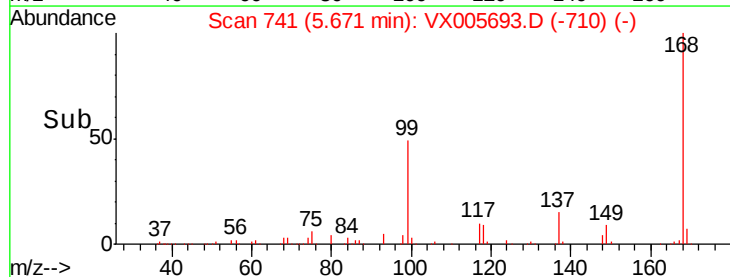
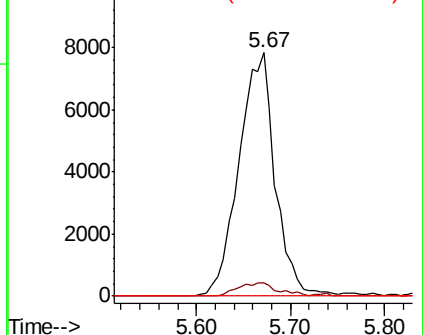


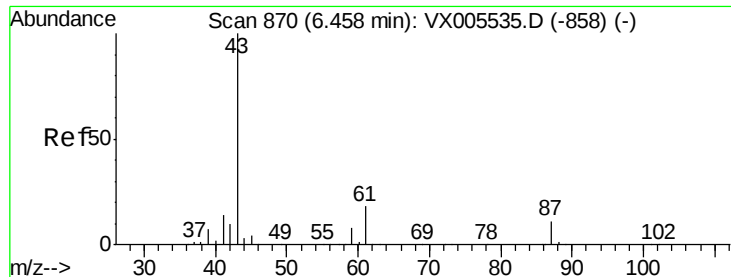
#38
 Carbon Tetrachloride
 Concen: 5.935 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.11 min
 Lab File: VX005693.D
 Acq: 30 Oct 2018 15:54

Tgt Ion	117	Resp	21027
Ion Ratio	100	Lower	Upper
119	5.4	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



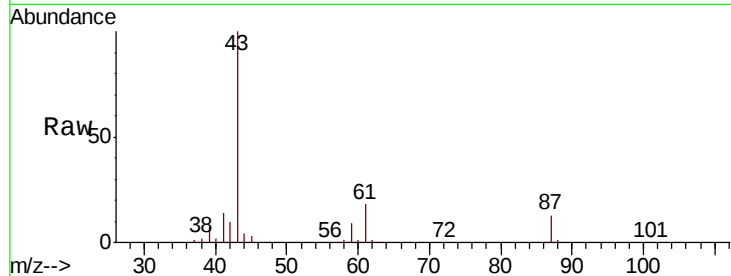


#43

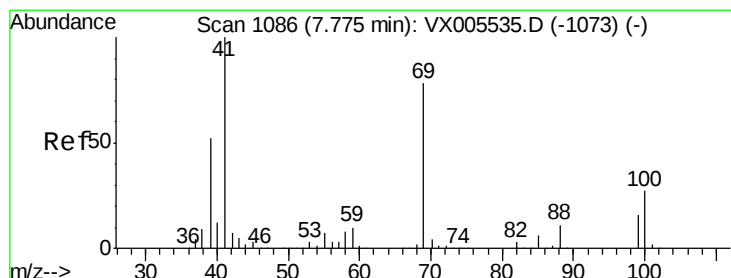
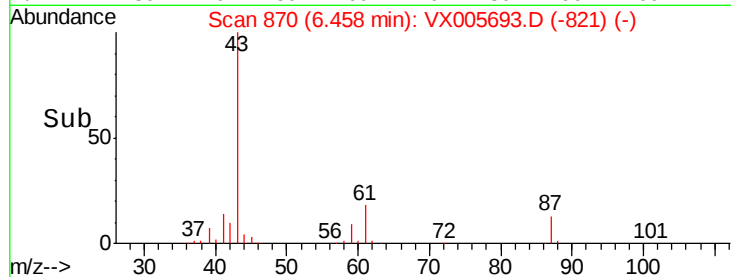
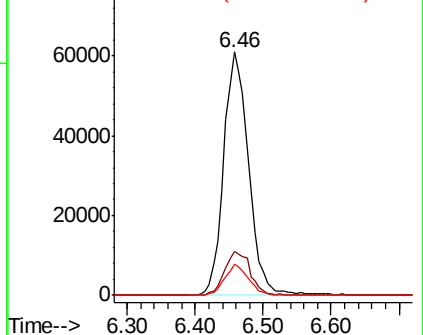
Isopropyl Acetate
 Concen: 24.124 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX005693.D
 Acq: 30 Oct 2018 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114242ZHE#04

Tot Ion: 43 Resp: 155176
 Ion Ratio Lower Upper
 43 100
 61 18.6 14.6 22.0
 87 12.2 9.6 14.4



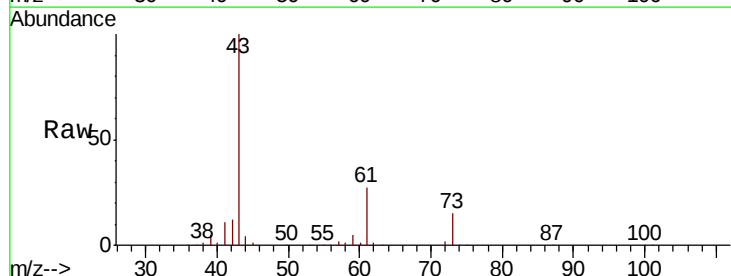
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



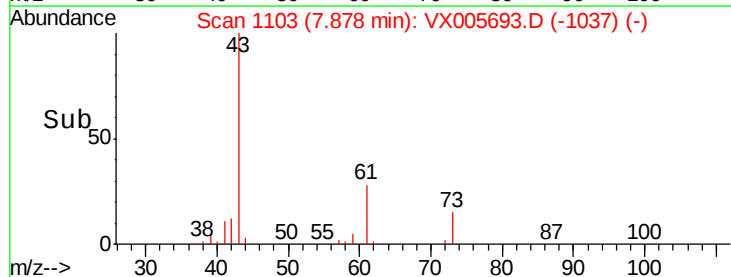
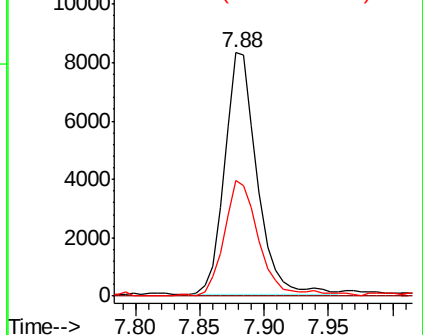
#48

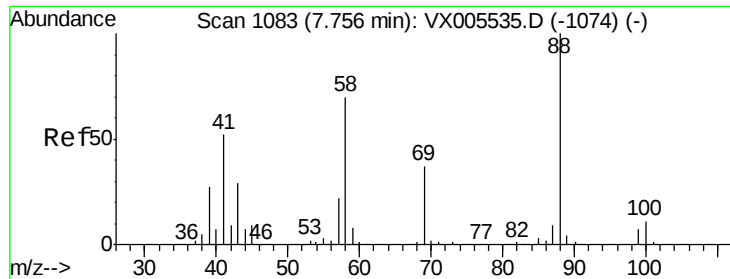
Methyl methacrylate
 Concen: 4.648 ug/l
 RT: 7.88 min Scan# 1103
 Delta R.T. 0.10 min
 Lab File: VX005693.D
 Acq: 30 Oct 2018 15:54

Tgt Ion: 41 Resp: 14565
 Ion Ratio Lower Upper
 41 100
 69 0.0 63.2 94.8#
 39 52.2 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





#49

1,4-Dioxane

Concen: 0.277 ug/l

RT: 7.87 min Scan# 1102

Delta R.T. 0.12 min

Lab File: VX005693.D

Acq: 30 Oct 2018 15:54

Instrument :

MSVOA_X

ClientSampleId :

PB114242ZHE#04

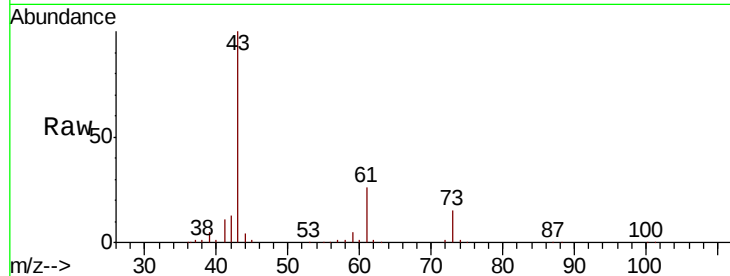
Tot Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 737726.3 27.4 41.0#

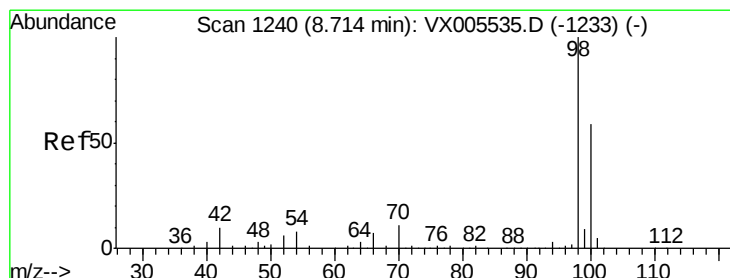
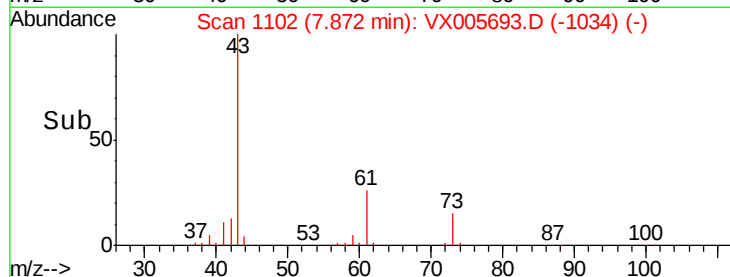
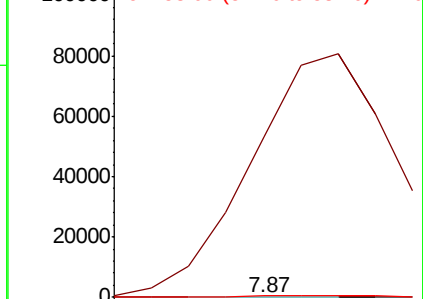
58 6431.6 59.4 89.2#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 46.968 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005693.D

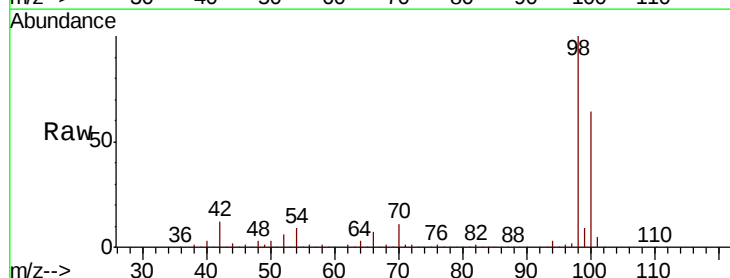
Acq: 30 Oct 2018 15:54

Tgt Ion: 98 Resp: 396103

Ion Ratio Lower Upper

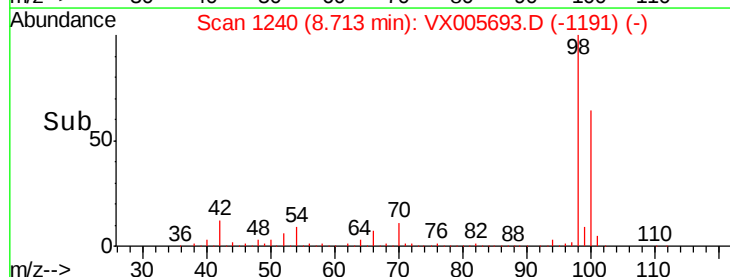
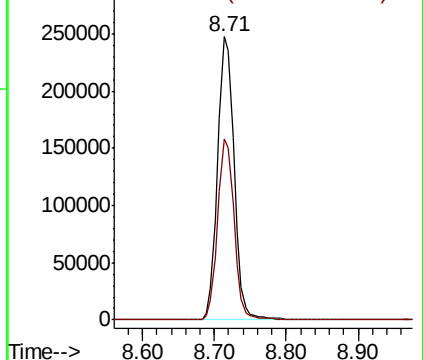
98 100

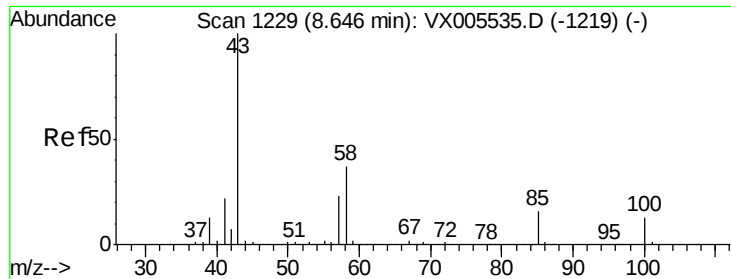
100 63.6 51.3 76.9



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: 0.498 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VX005693.D

Acq: 30 Oct 2018 15:54

Instrument :

MSVOA_X

ClientSampleId :

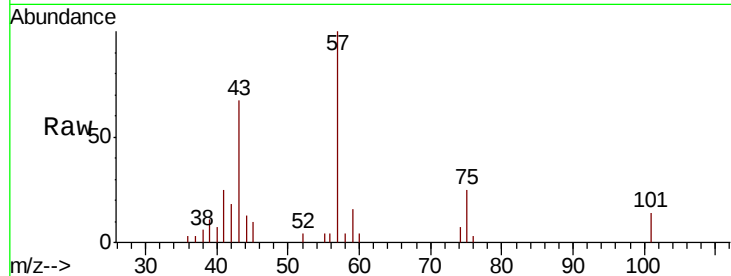
PB114242ZHE#04

Tot Ion: 43 Resp: 2153

Ion Ratio Lower Upper

43 100

58 7.0 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1500

1000

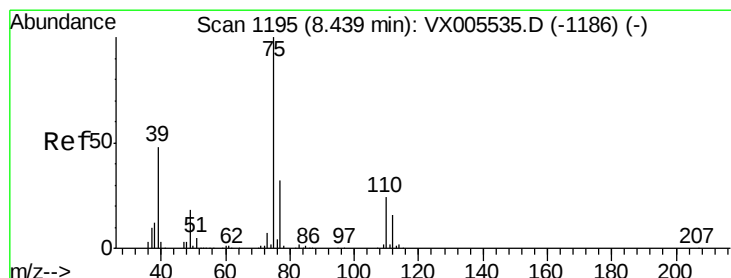
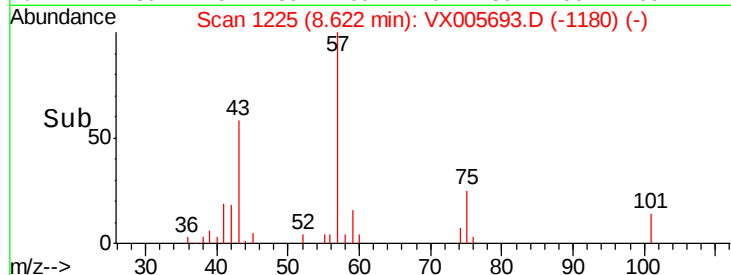
500

0

8.55 8.60 8.65

8.62

Time-->



#54

cis-1,3-Dichloropropene

Concen: 0.243 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX005693.D

Acq: 30 Oct 2018 15:54

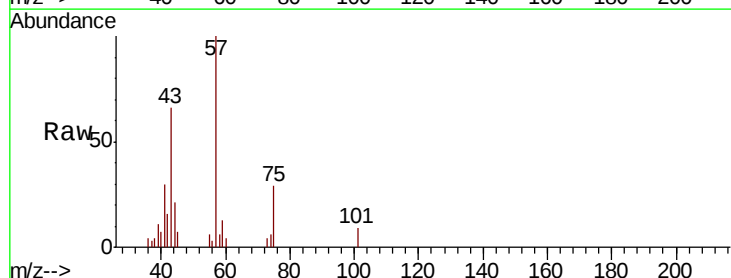
Tgt Ion: 75 Resp: 917

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

39 37.4 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

600

400

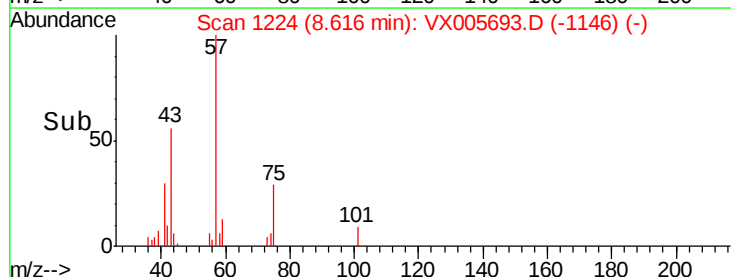
200

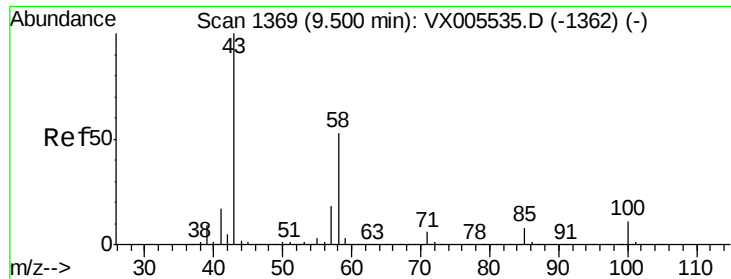
0

8.55 8.60 8.65

8.62

Time-->

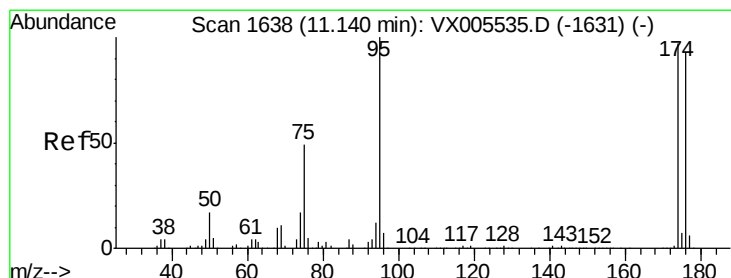
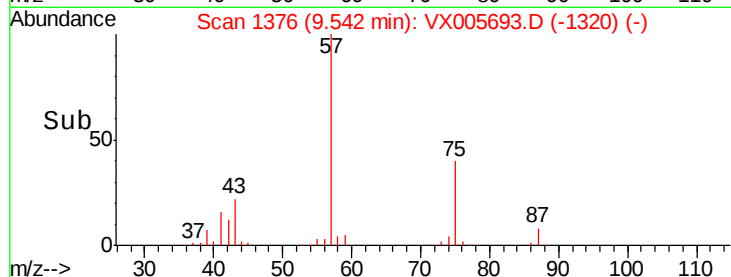
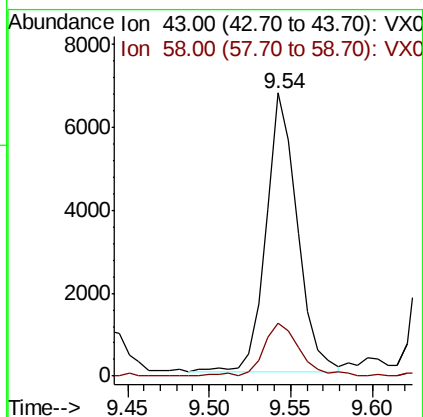
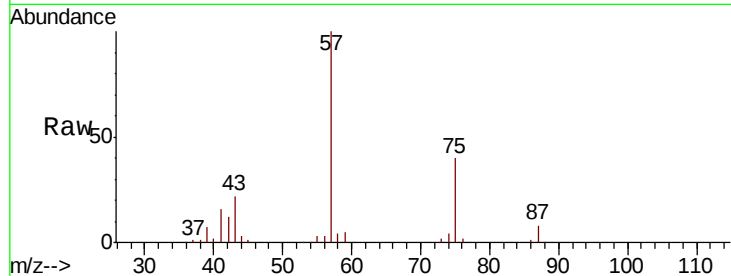




#59
2-Hexanone
Concen: 2.634 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.04 min
Lab File: VX005693.D
Acq: 30 Oct 2018 15:54

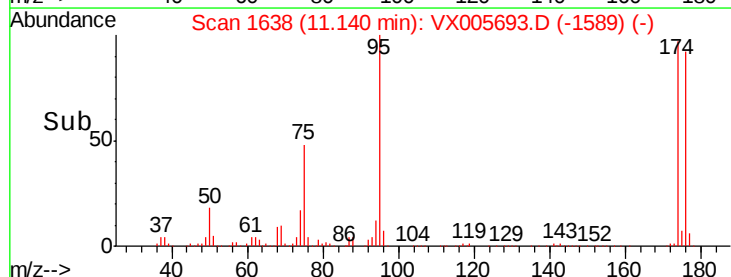
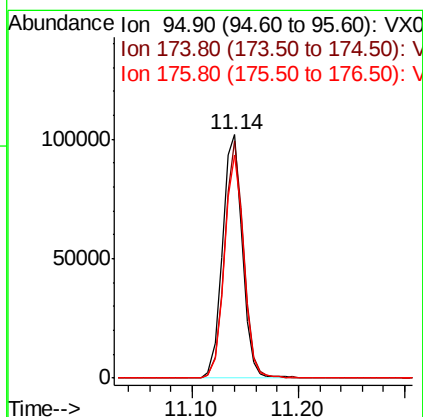
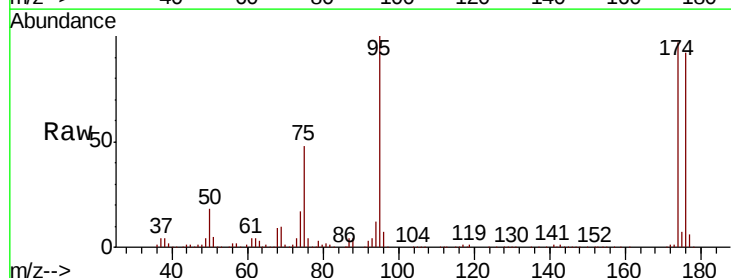
Instrument :
MSVOA_X
ClientSampleId :
PB114242ZHE#04

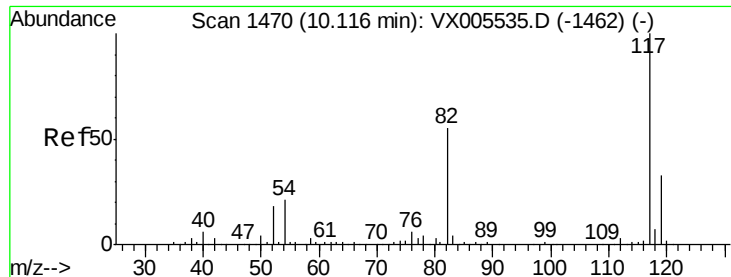
Tot Ion: 43 Resp: 8977
Ion Ratio Lower Upper
43 100
58 22.1 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 41.727 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005693.D
Acq: 30 Oct 2018 15:54

Tgt Ion: 95 Resp: 132895
Ion Ratio Lower Upper
95 100
174 94.1 0.0 184.4
176 89.8 0.0 177.4

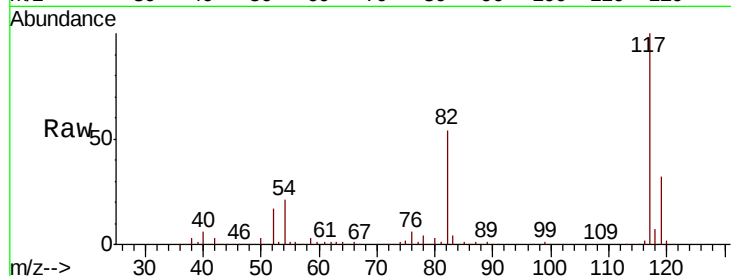




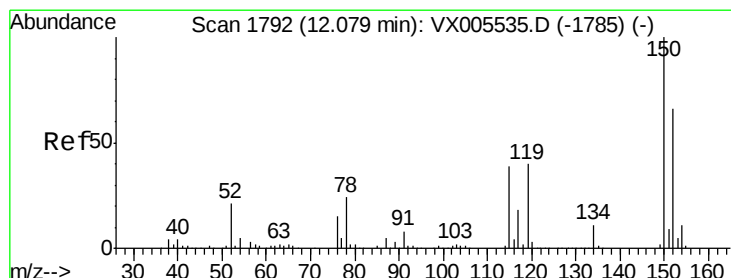
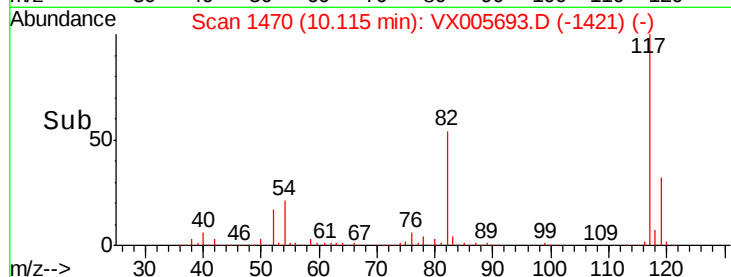
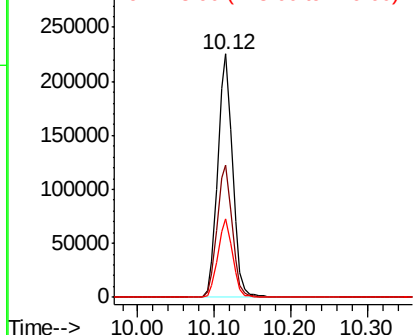
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005693.D
Acq: 30 Oct 2018 15:54

Instrument :
MSVOA_X
ClientSampleId :
PB114242ZHE#04

Tot Ion:117 Resp: 303423
Ion Ratio Lower Upper
117 100
82 54.2 44.1 66.1
119 32.4 26.2 39.2

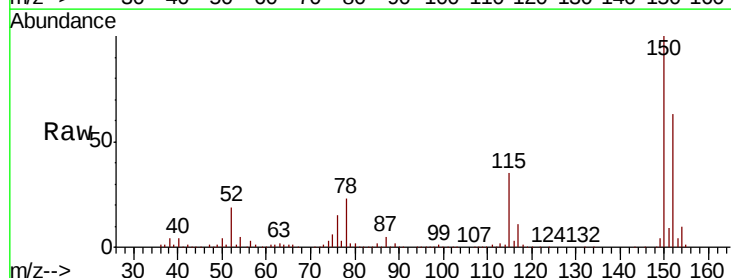


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

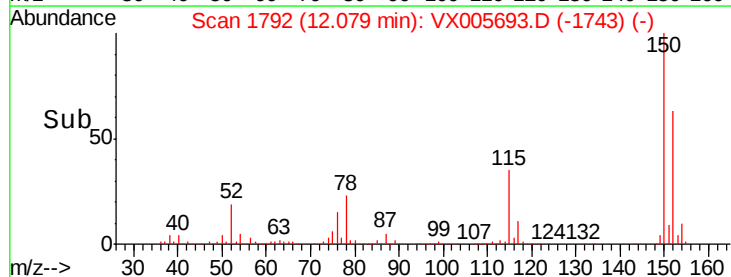
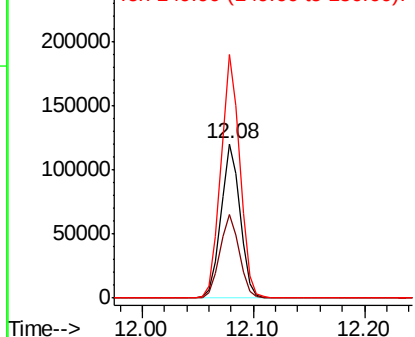


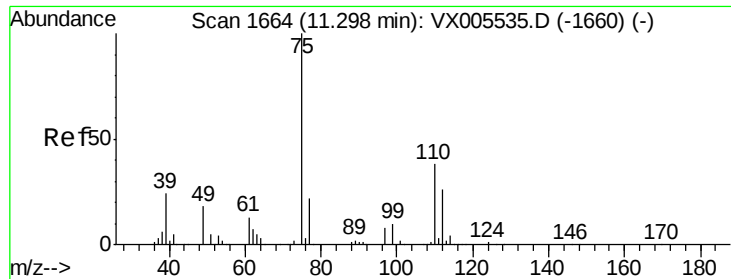
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005693.D
Acq: 30 Oct 2018 15:54

Tgt Ion:152 Resp: 142826
Ion Ratio Lower Upper
152 100
115 55.3 39.4 118.1
150 157.9 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





#76

1,2,3-Trichloropropane

Concen: 21.618 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005693.D

Acq: 30 Oct 2018 15:54

Instrument :

MSVOA_X

ClientSampleId :

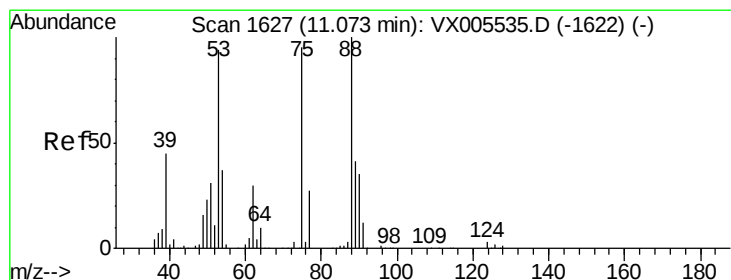
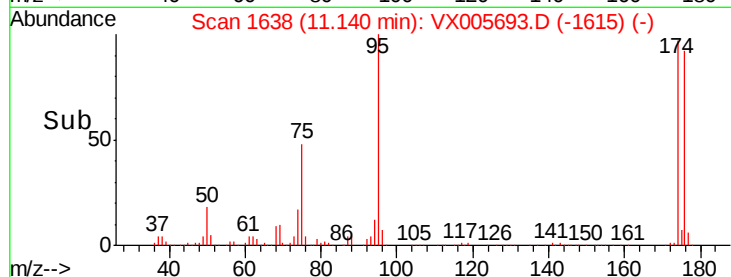
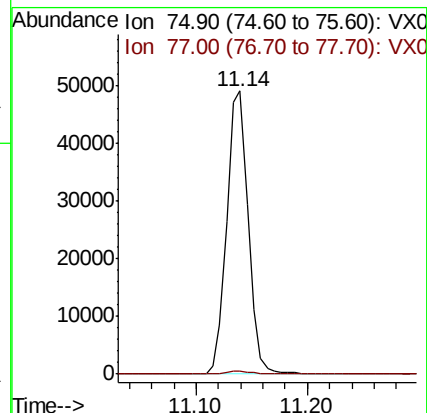
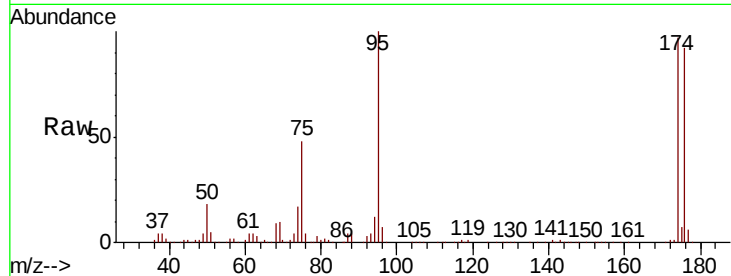
PB114242ZHE#04

Tot Ion: 75 Resp: 65419

Ion Ratio Lower Upper

75 100

77 1.3 20.5 61.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.637 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005693.D

Acq: 30 Oct 2018 15:54

Tgt Ion: 75 Resp: 65419

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.2#

89 0.0 39.8 59.8#

