

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102318\
 Data File : VX005518.D
 Acq On : 23 Oct 2018 14:00
 Operator : JC/MD
 Sample : PB114080TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 24 01:12:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	227663	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	360917	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	284896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	131842	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	147910	58.54	ug/l	-0.01
Spiked Amount			Recovery	=	117.08%	
35) Dibromofluoromethane	5.50	113	118498	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
50) Toluene-d8	8.72	98	377775	46.03	ug/l	0.00
Spiked Amount			Recovery	=	92.06%	
62) 4-Bromofluorobenzene	11.14	95	123437	40.04	ug/l	0.00
Spiked Amount			Recovery	=	80.08%	

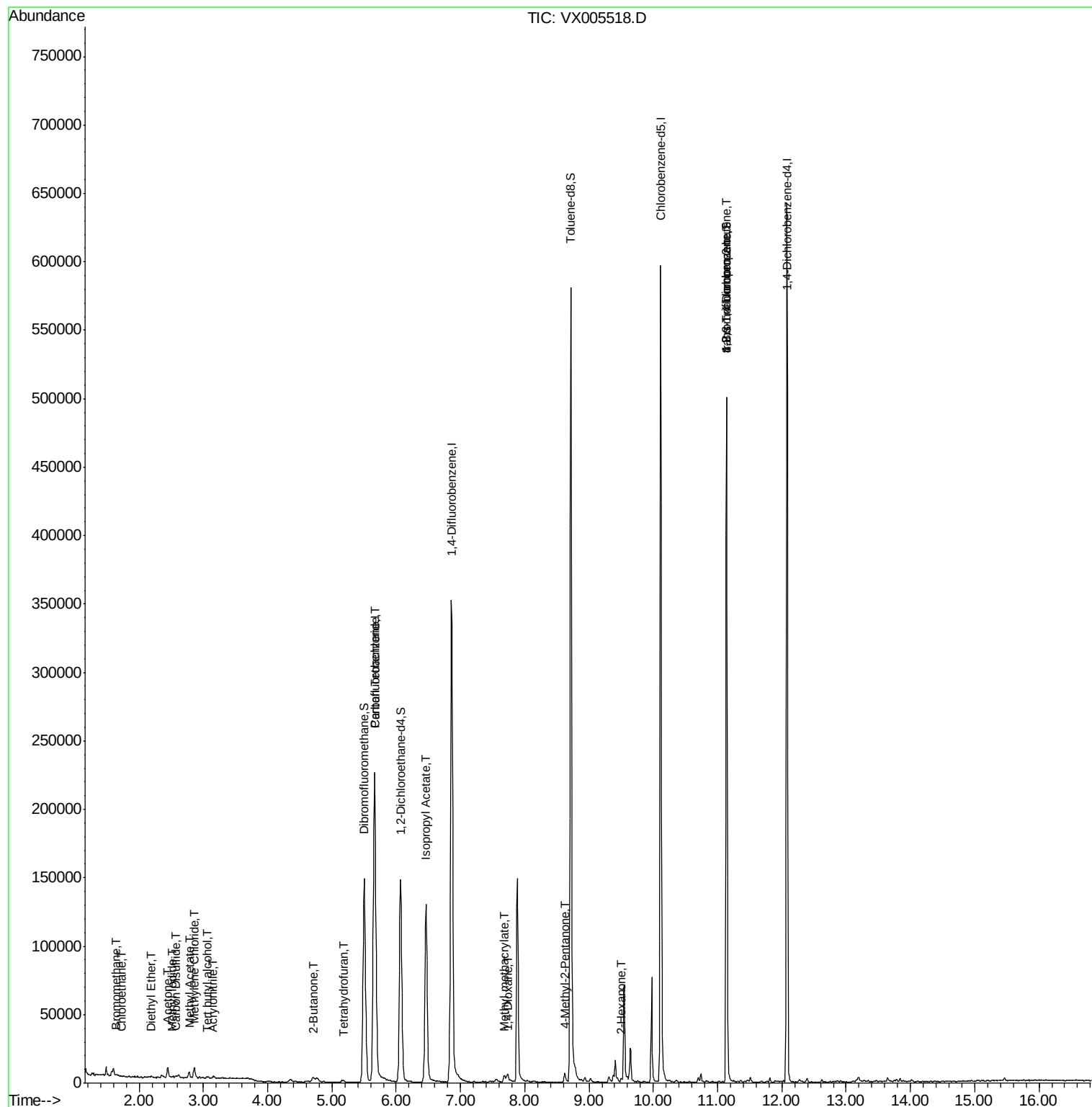
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	583	0.975	ug/l	97
6) Chloroethane	1.73	64	215	0.461	ug/l #	44
8) Diethyl Ether	2.18	74	392	0.263	ug/l	98
10) Methyl Iodide	2.52	142	680	2.782	ug/l #	86
11) Tert butyl alcohol	3.07	59	1501	2.106	ug/l #	84
13) Acrolein	2.29	56	150	Below Cal	#	1
15) Acrylonitrile	3.14	53	624	0.386	ug/l #	83
16) Acetone	2.45	43	7578	5.187	ug/l	96
17) Carbon Disulfide	2.57	76	1570	0.260	ug/l #	76
18) Methyl Acetate	2.78	43	4755	1.144	ug/l	99
20) Methylene Chloride	2.85	84	3458	0.324	ug/l	91
25) 2-Butanone	4.70	43	6013	2.813	ug/l #	87
29) Tetrahydrofuran	5.18	42	1256	0.921	ug/l	93
38) Carbon Tetrachloride	5.67	117	21382	6.088	ug/l #	17
43) Isopropyl Acetate	6.46	43	173649	28.999	ug/l	94
44) Trichloroethene	7.20	130	55	Below Cal		69
48) Methyl methacrylate	7.69	41	6060	1.951	ug/l #	22
49) 1,4-Dioxane	7.74	88	19	0.265	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	2989	0.721	ug/l #	43
59) 2-Hexanone	9.50	43	1426	0.428	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	62547	24.458	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	62547	74.314	ug/l #	10

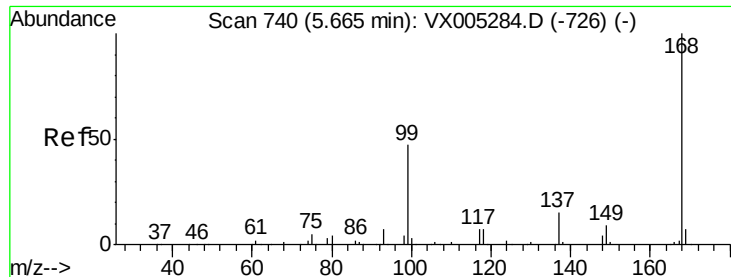
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102318\
Data File : VX005518.D
Acq On : 23 Oct 2018 14:00
Operator : JC/MD
Sample : PB114080TB
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Oct 24 01:12:48 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005518.D

Acq: 23 Oct 2018 14:00

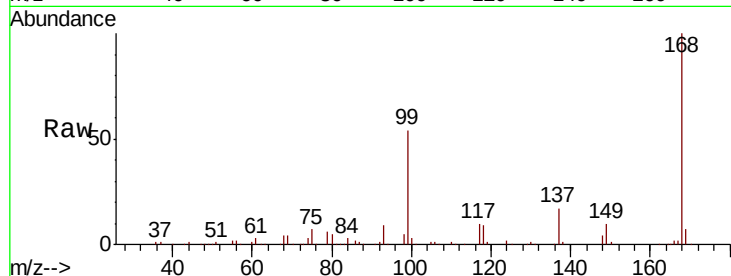
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 227663

Ion Ratio Lower Upper

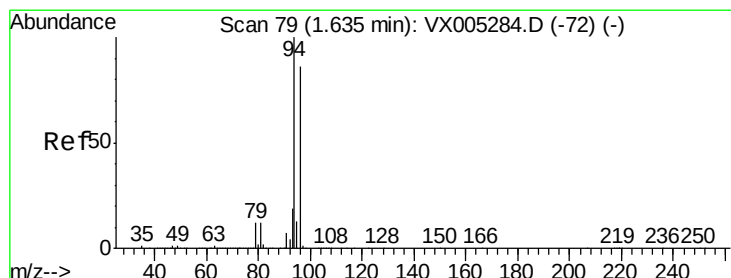
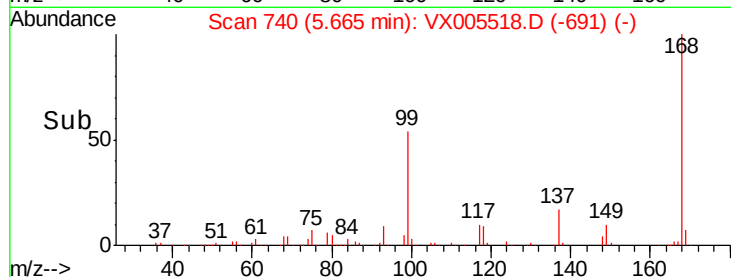
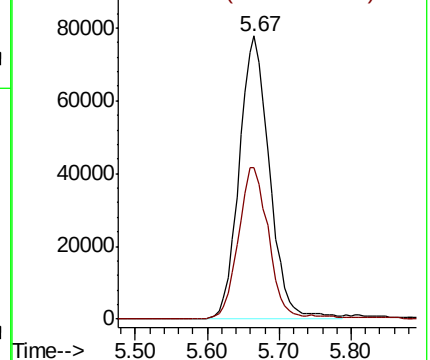
168 100

99 53.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.975 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX005518.D

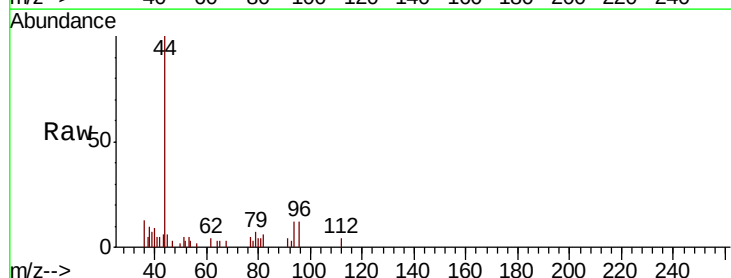
Acq: 23 Oct 2018 14:00

Tgt Ion: 94 Resp: 583

Ion Ratio Lower Upper

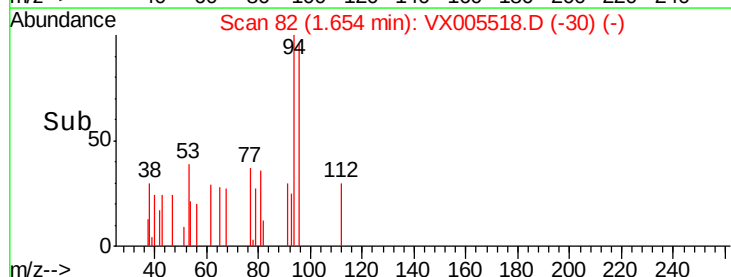
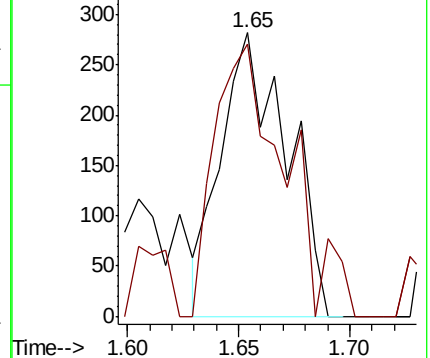
94 100

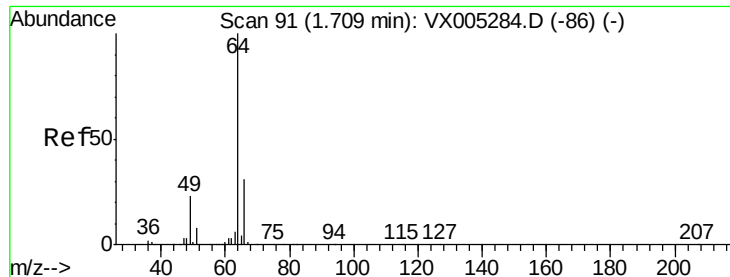
96 96.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.461 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.03 min

Lab File: VX005518.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_X

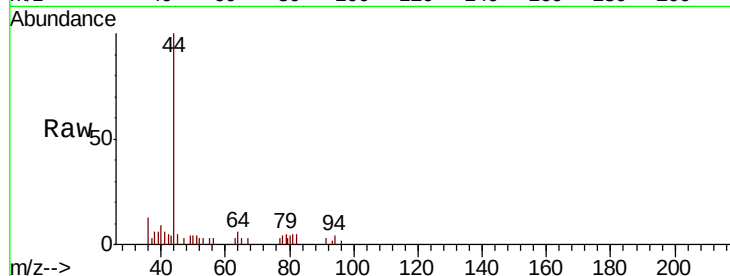
ClientSampleId :

Tot Ion: 64 Resp: 215

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



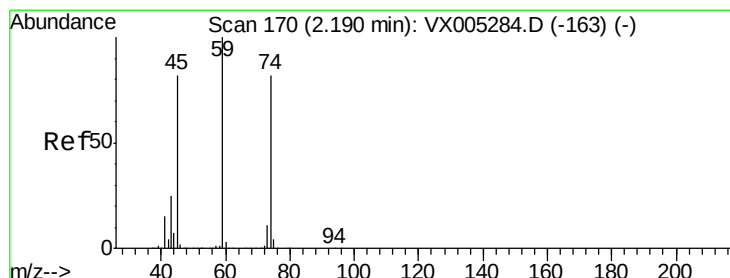
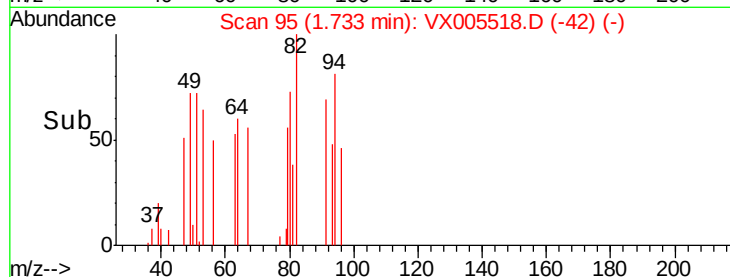
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

1.75

Time-->



#8

Diethyl Ether

Concen: 0.263 ug/l

RT: 2.18 min Scan# 169

Delta R.T. -0.01 min

Lab File: VX005518.D

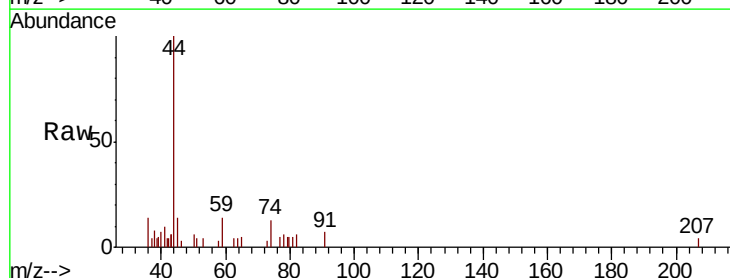
Acq: 23 Oct 2018 14:00

Tgt Ion: 74 Resp: 392

Ion Ratio Lower Upper

74 100

45 94.1 48.3 144.8



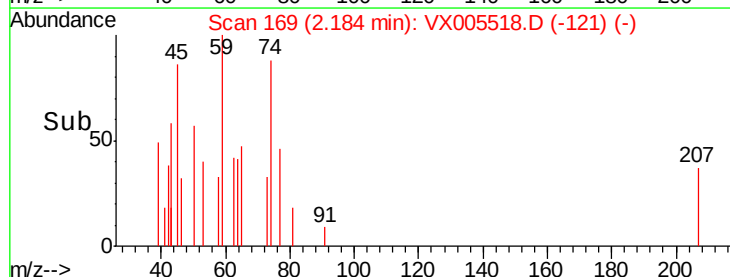
Abundance Ion 74.00 (73.70 to 74.70): VX0

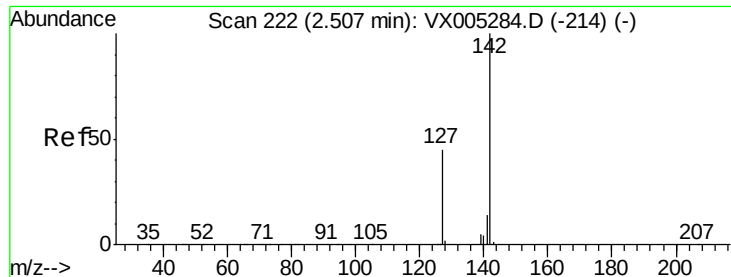
Ion 45.00 (44.70 to 45.70): VX0

2.18

2.25

Time-->

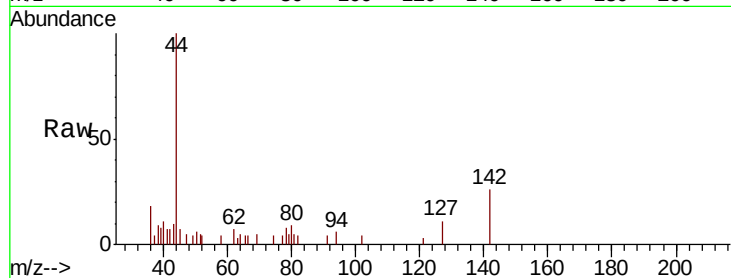




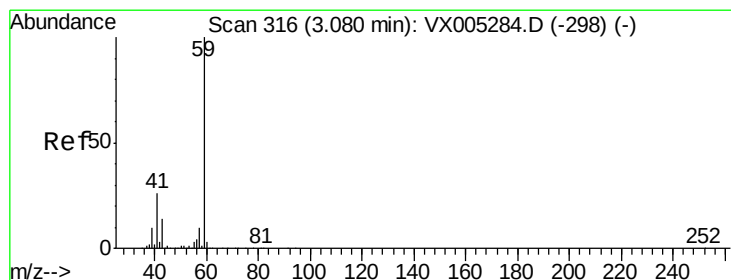
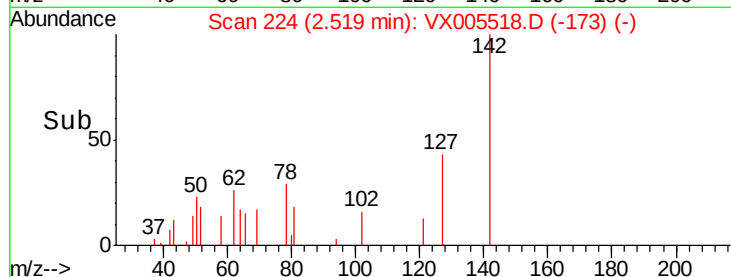
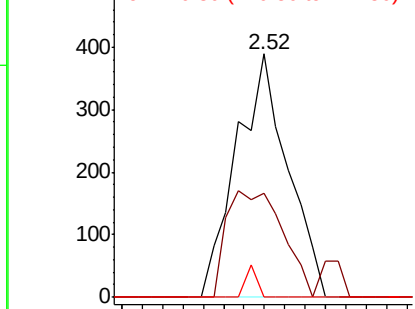
#10
Methvl Iodide
Concen: 2.782 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX005518.D
Acq: 23 Oct 2018 14:00

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 680
Ion Ratio Lower Upper
142 100
127 47.8 33.8 50.6
141 2.8 11.4 17.0#

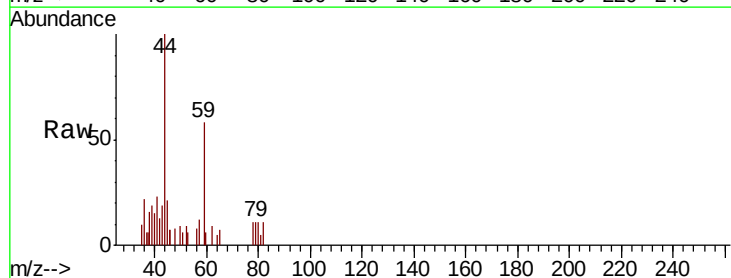


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

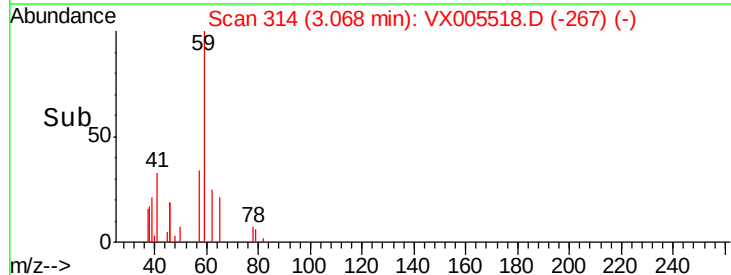
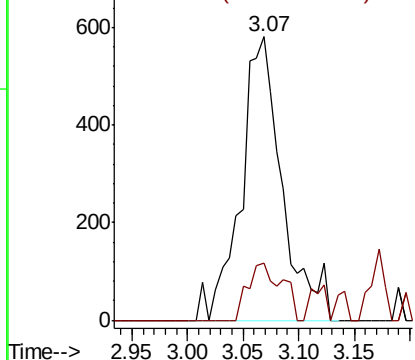


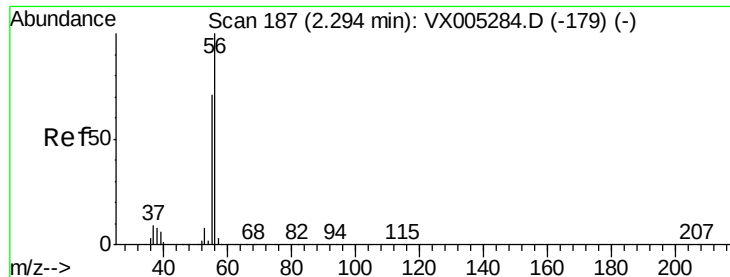
#11
Tert butyl alcohol
Concen: 2.106 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005518.D
Acq: 23 Oct 2018 14:00

Tgt Ion: 59 Resp: 1501
Ion Ratio Lower Upper
59 100
57 16.4 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

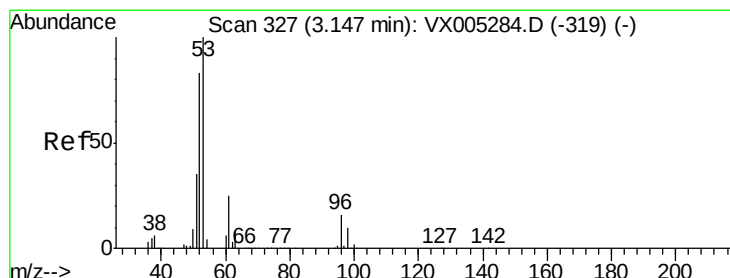
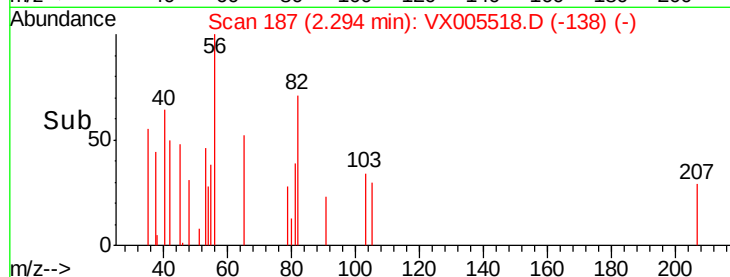
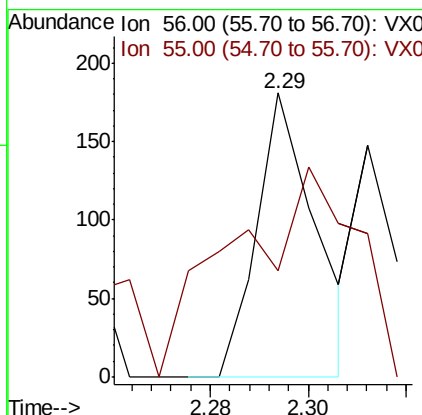
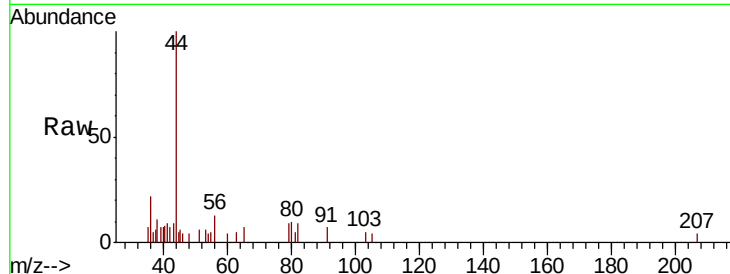




#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005518.D
Acq: 23 Oct 2018 14:00

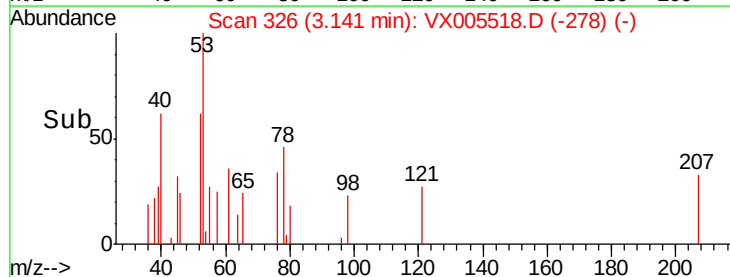
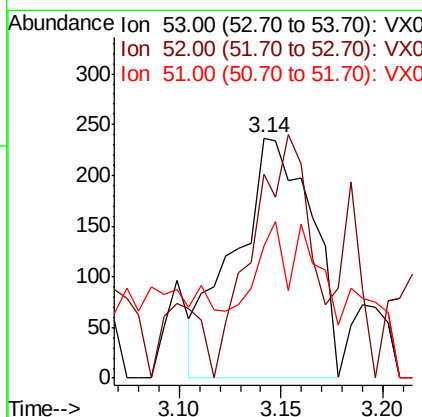
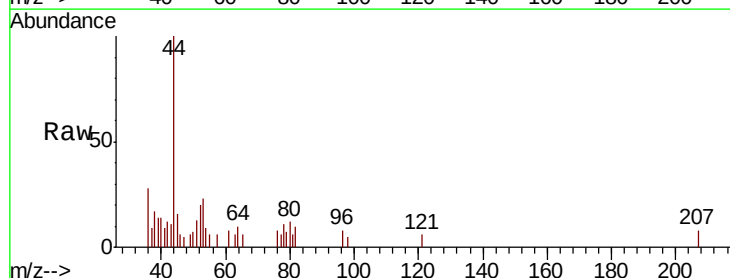
Instrument :
MSVOA_X
ClientSampleId :

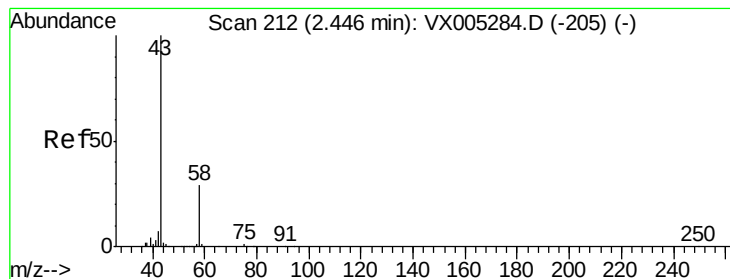
Tot Ion: 56 Resp: 150
Ion Ratio Lower Upper
56 100
55 154.7 54.7 82.1#



#15
Acrylonitrile
Concen: 0.386 ug/l
RT: 3.14 min Scan# 326
Delta R.T. -0.01 min
Lab File: VX005518.D
Acq: 23 Oct 2018 14:00

Tgt Ion: 53 Resp: 624
Ion Ratio Lower Upper
53 100
52 75.8 65.2 97.8
51 11.9 28.2 42.2#





#16

Acetone

Concen: 5.187 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005518.D

Acq: 23 Oct 2018 14:00

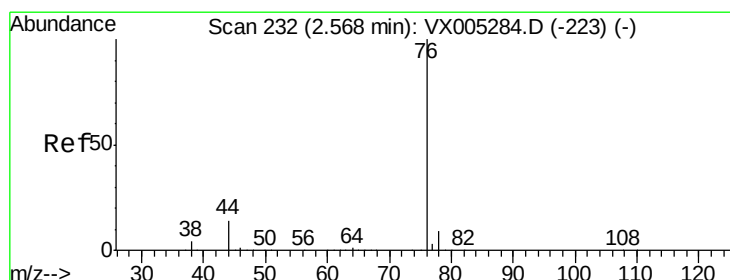
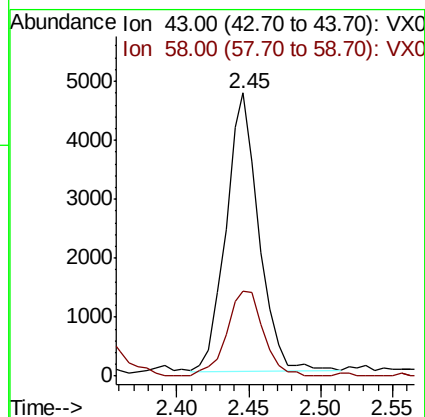
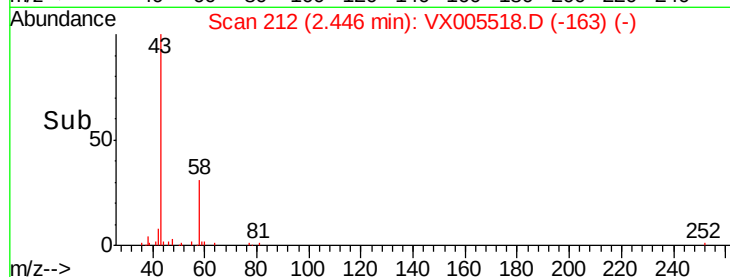
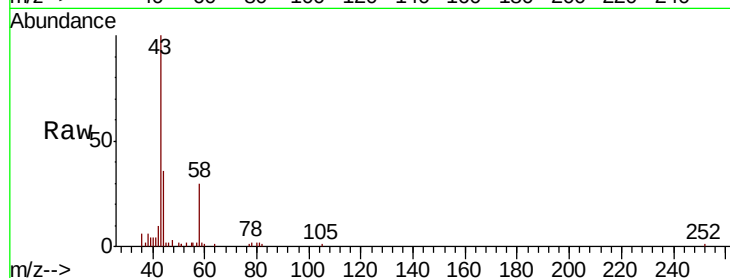
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 7578

Ion Ratio Lower Upper

43 100

58 30.7 26.2 39.4



#17

Carbon Disulfide

Concen: 0.260 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005518.D

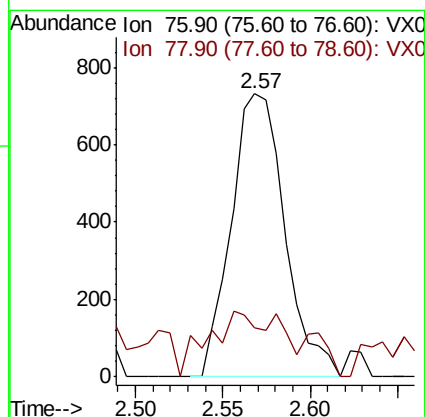
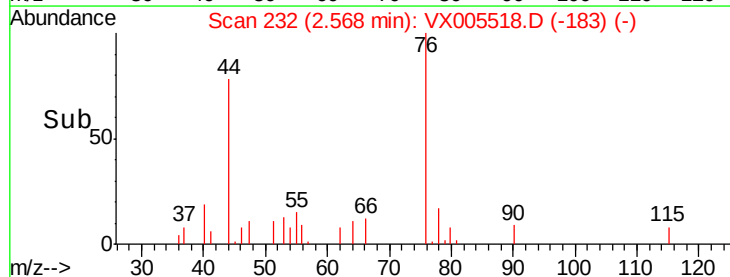
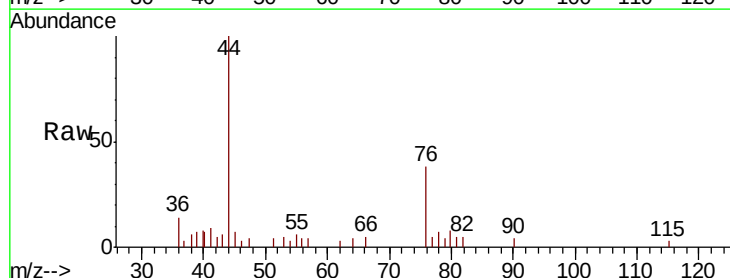
Acq: 23 Oct 2018 14:00

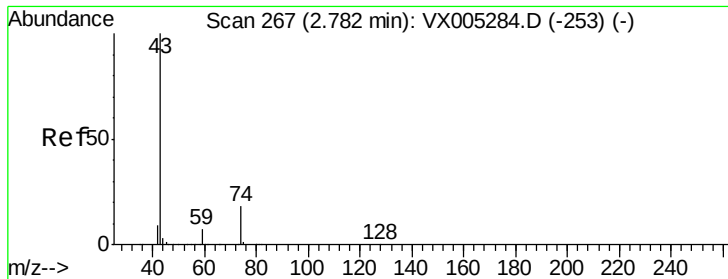
Tgt Ion: 76 Resp: 1570

Ion Ratio Lower Upper

76 100

78 17.3 7.0 10.6#

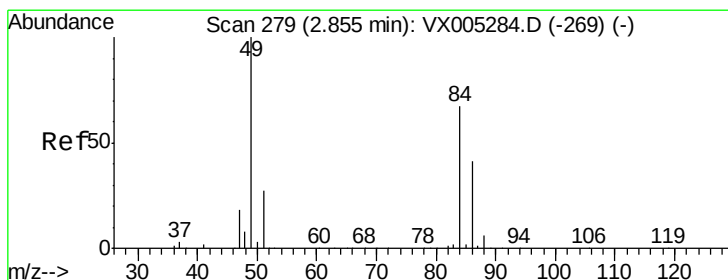
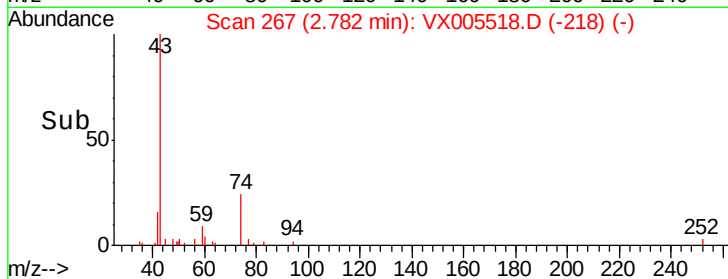
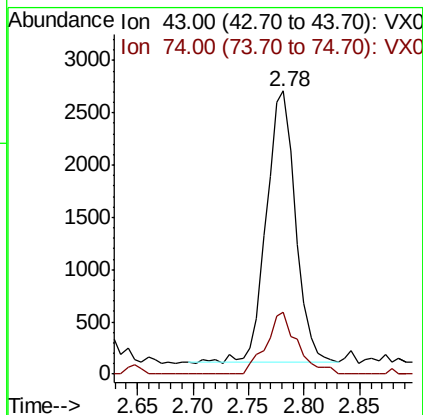
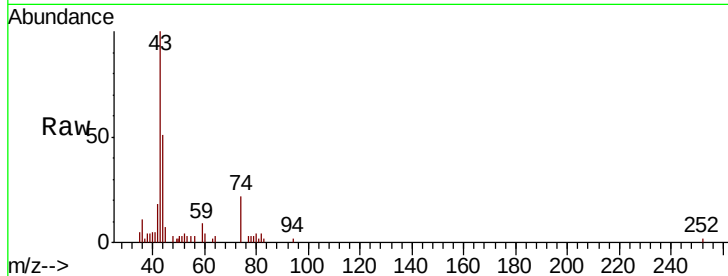




#18
Methyl Acetate
Concen: 1.144 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005518.D
Acq: 23 Oct 2018 14:00

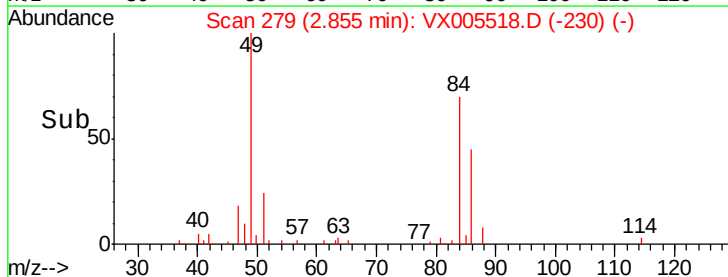
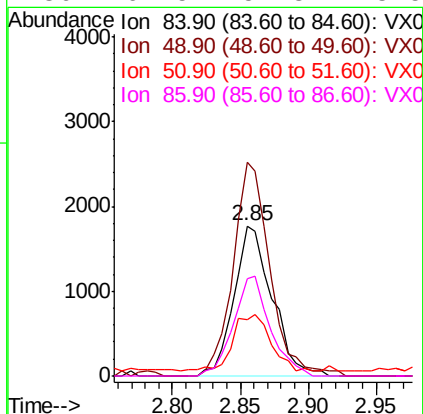
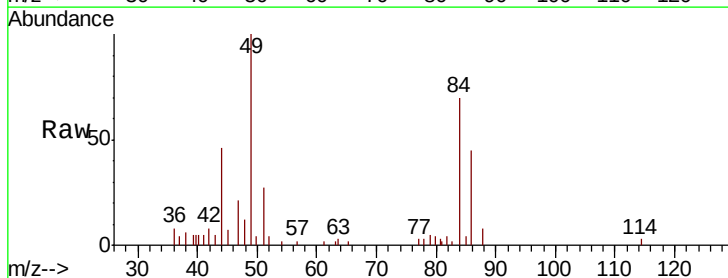
Instrument :
MSVOA_X
ClientSampleId :

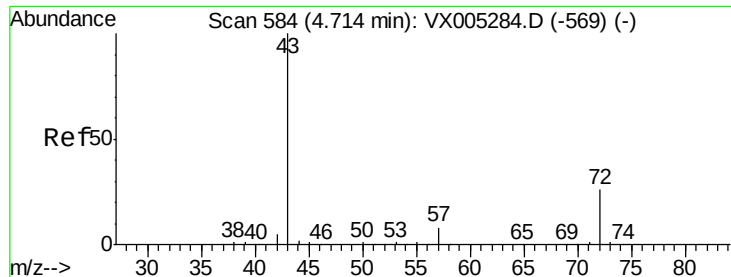
Tot Ion: 43 Resp: 4755
Ion Ratio Lower Upper
43 100
74 24.6 19.4 29.2



#20
Methylene Chloride
Concen: 0.324 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005518.D
Acq: 23 Oct 2018 14:00

Tgt Ion: 84 Resp: 3458
Ion Ratio Lower Upper
84 100
49 142.4 101.2 151.8
51 34.1 29.5 44.3
86 64.5 52.3 78.5

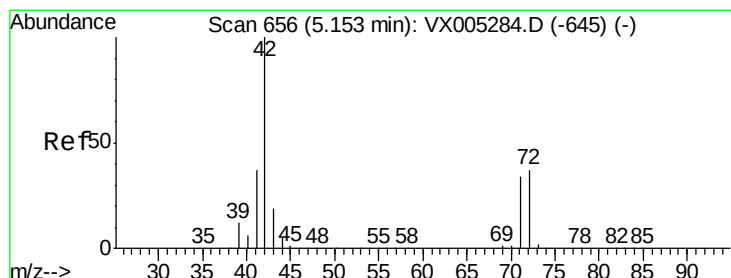
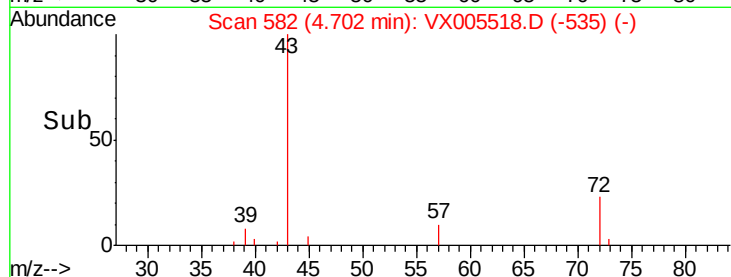
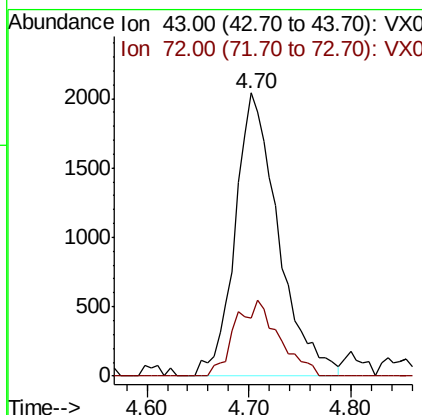
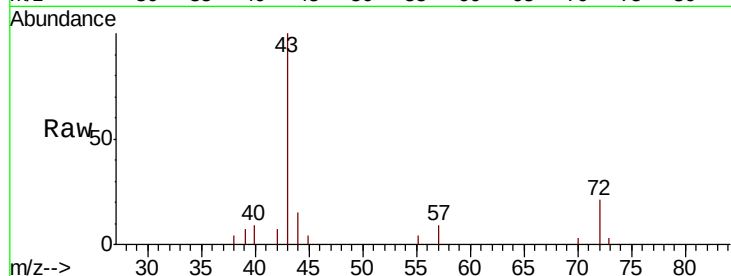




#25
2-Butanone
Concen: 2.813 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.01 min
Lab File: VX005518.D
Acq: 23 Oct 2018 14:00

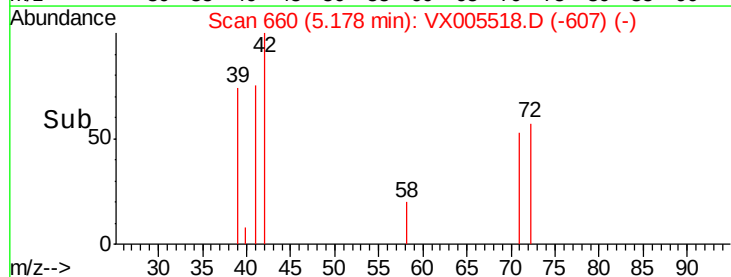
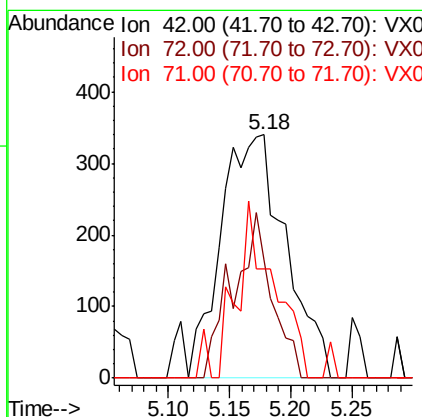
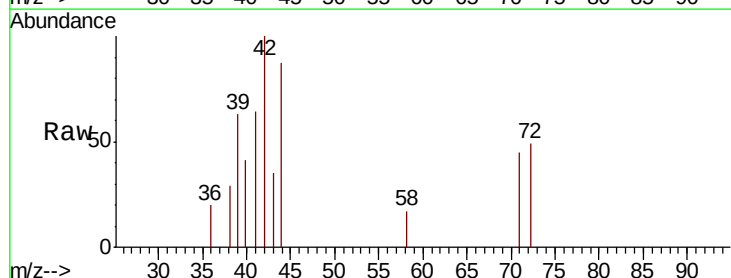
Instrument :
MSVOA_X
ClientSampled :

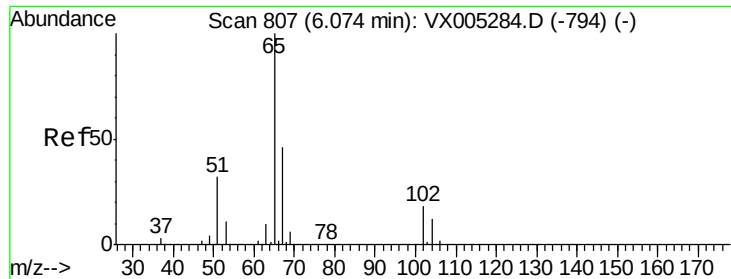
Tot Ion: 43 Resp: 6013
Ion Ratio Lower Upper
43 100
72 20.5 22.0 33.0#



#29
Tetrahydrofuran
Concen: 0.921 ug/l
RT: 5.18 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX005518.D
Acq: 23 Oct 2018 14:00

Tgt Ion: 42 Resp: 1256
Ion Ratio Lower Upper
42 100
72 40.8 37.4 56.0
71 40.6 34.5 51.7

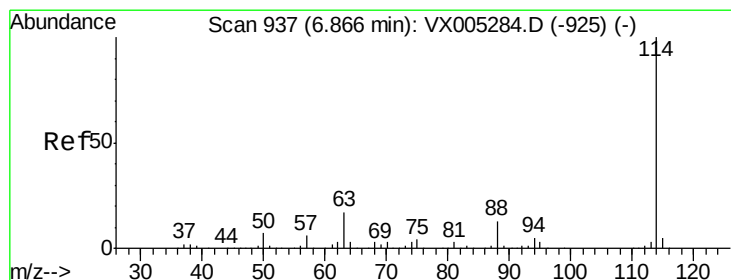
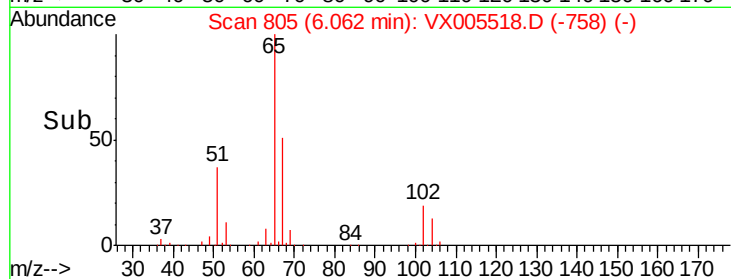
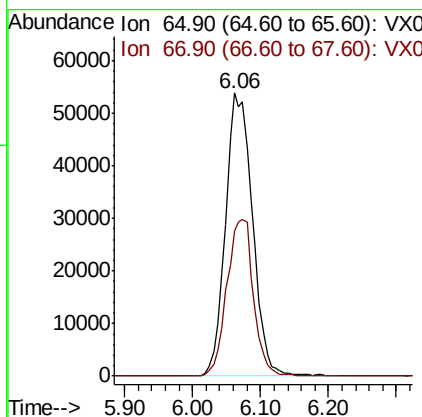
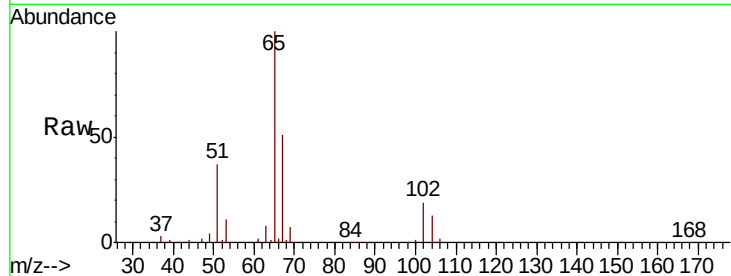




#33
 1,2-Dichloroethane-d4
 Concen: 58.538 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005518.D
 Acq: 23 Oct 2018 14:00

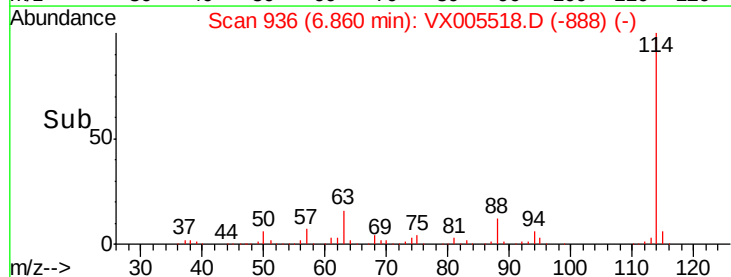
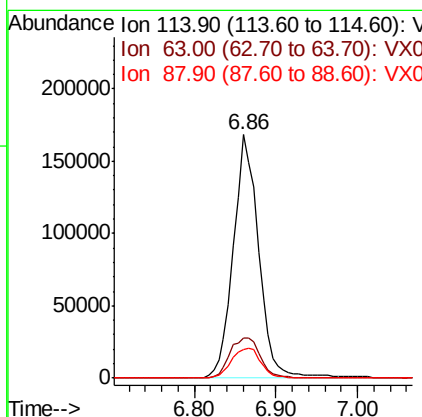
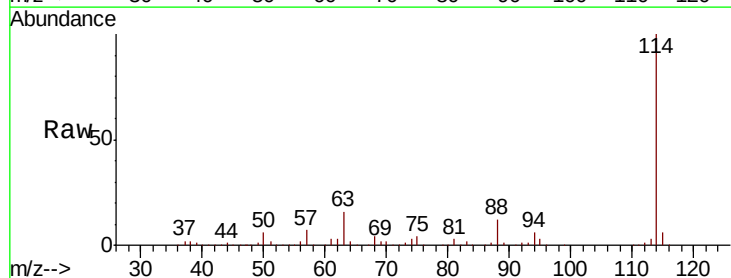
Instrument :
 MSVOA_X
 ClientSampleId :

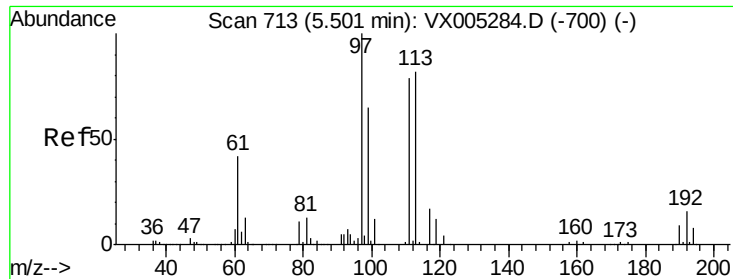
Tot Ion: 65 Resp: 147910
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005518.D
 Acq: 23 Oct 2018 14:00

Tgt Ion: 114 Resp: 360917
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 39.0
 88 11.6 0.0 30.4

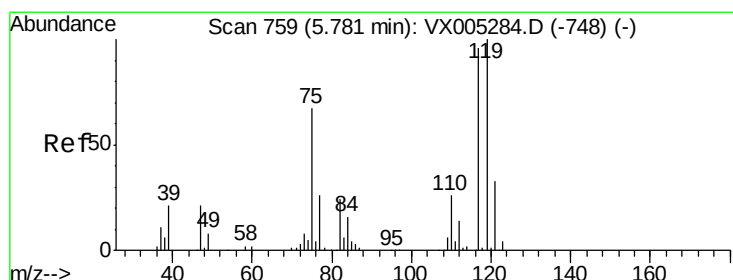
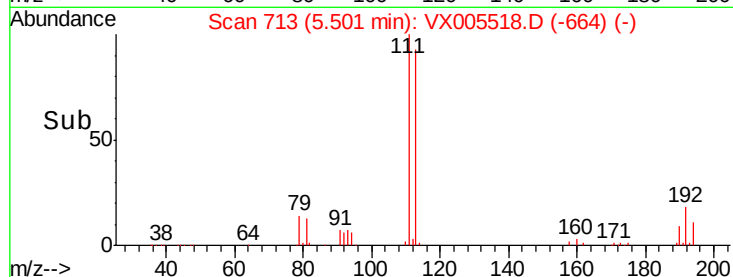
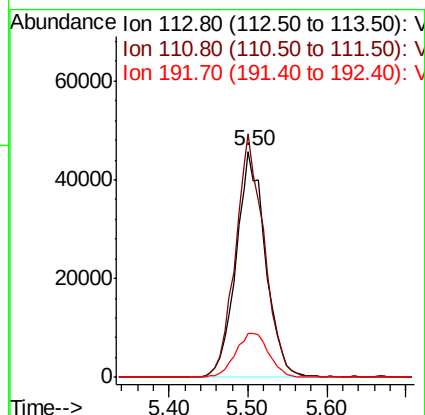
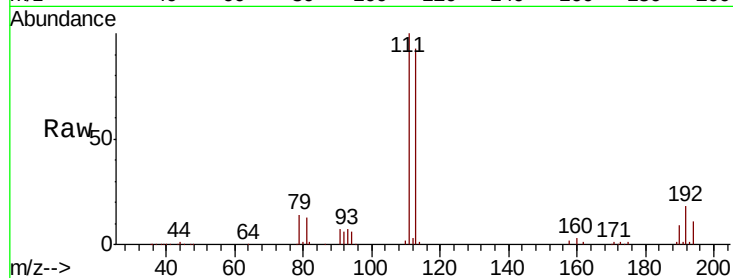




#35
 Dibromofluoromethane
 Concen: 49.572 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005518.D
 Acq: 23 Oct 2018 14:00

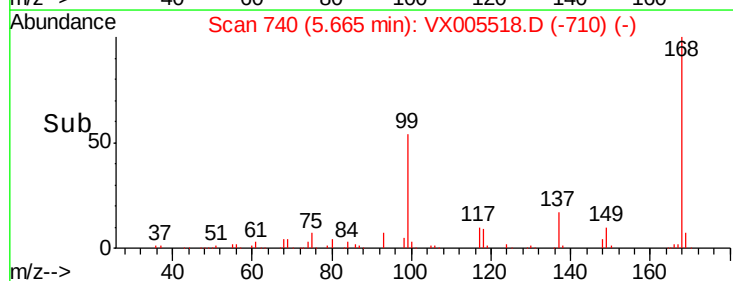
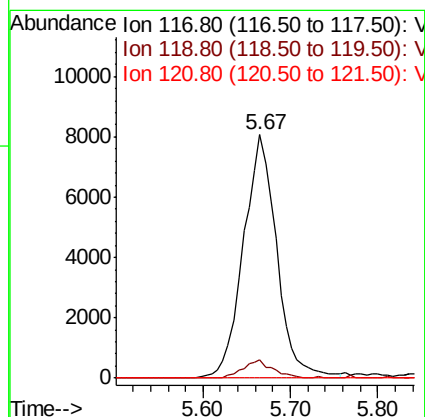
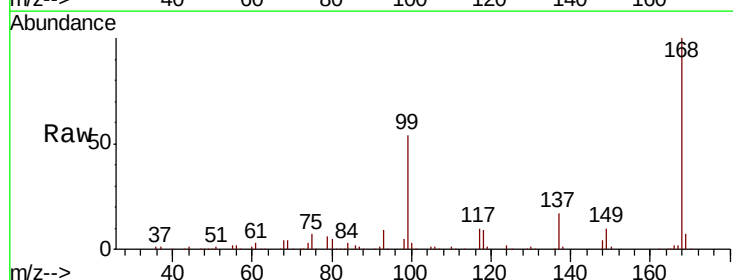
Instrument :
 MSVOA_X
 ClientSampleId :

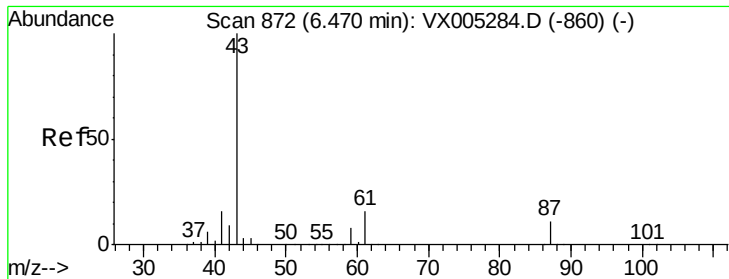
Tot Ion:113 Resp: 118498
 Ion Ratio Lower Upper
 113 100
 111 105.5 82.4 123.6
 192 22.1 19.4 29.2



#38
 Carbon Tetrachloride
 Concen: 6.088 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005518.D
 Acq: 23 Oct 2018 14:00

Tgt Ion:117 Resp: 21382
 Ion Ratio Lower Upper
 117 100
 119 7.3 78.8 118.2#
 121 0.0 24.9 37.3#



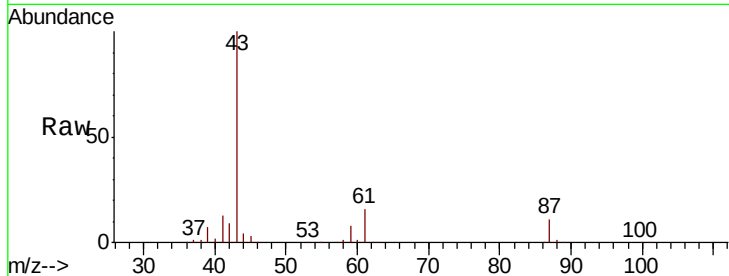


#43

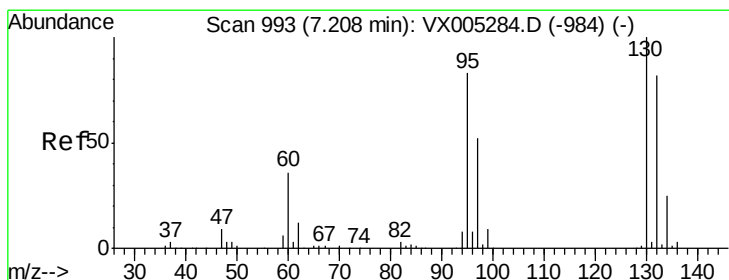
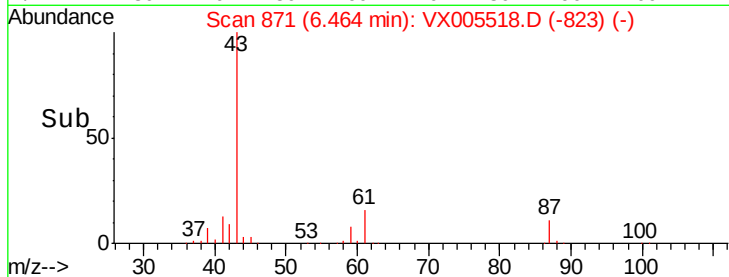
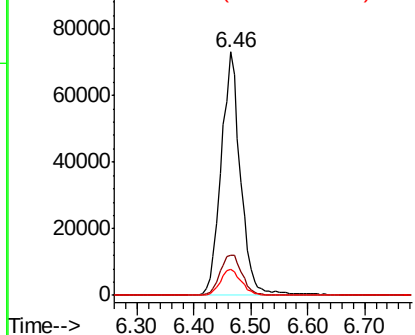
Isopropyl Acetate
 Concen: 28.999 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: VX005518.D
 Acq: 23 Oct 2018 14:00

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 43 Resp: 173649
 Ion Ratio Lower Upper
 43 100
 61 19.0 17.0 25.4
 87 11.6 11.4 17.2



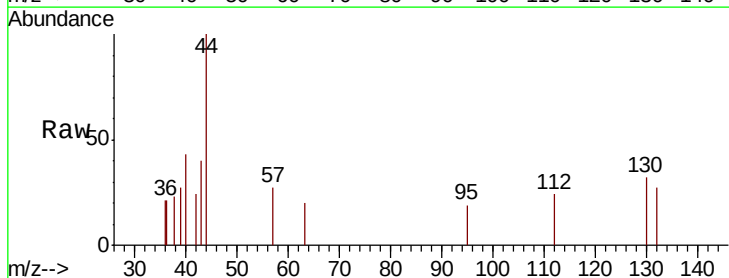
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



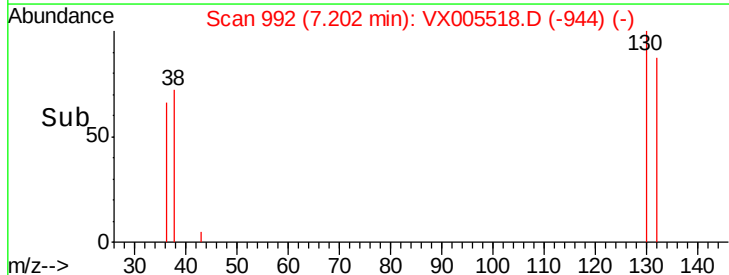
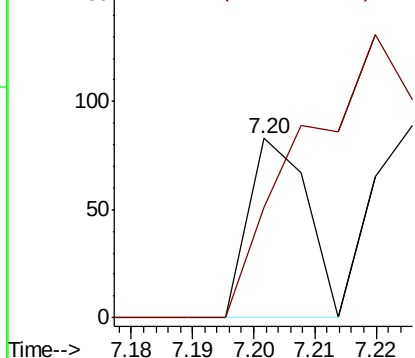
#44

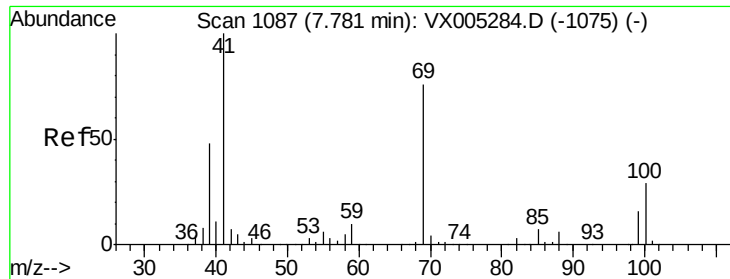
Trichloroethene
 Concen: Below Cal
 RT: 7.20 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VX005518.D
 Acq: 23 Oct 2018 14:00

Tgt Ion:130 Resp: 55
 Ion Ratio Lower Upper
 130 100
 95 61.4 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

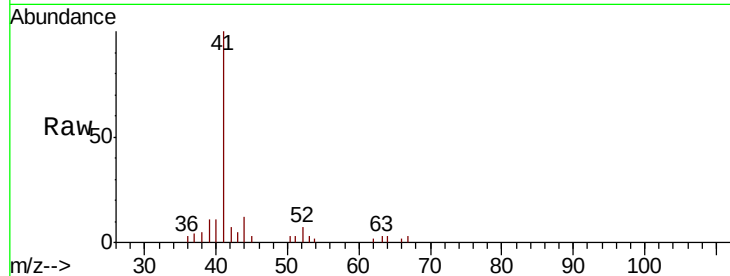




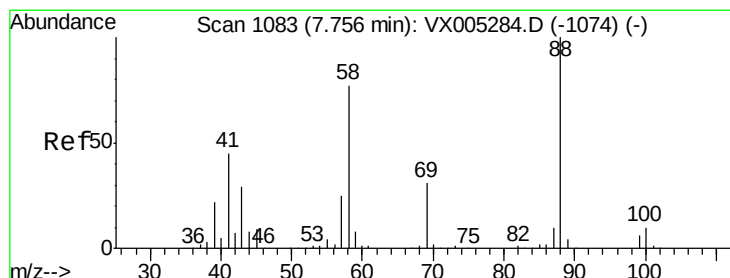
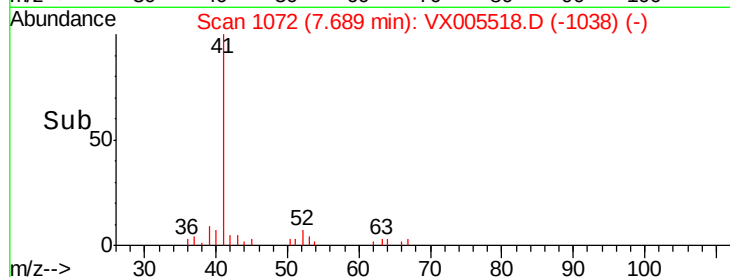
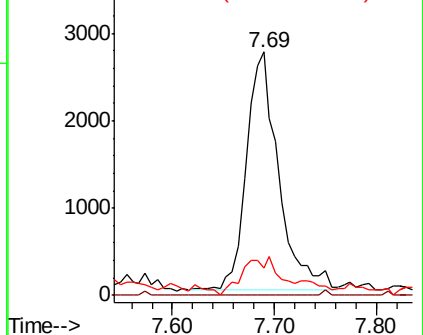
#48
Methvl methacrylate
Concen: 1.951 ug/l
RT: 7.69 min Scan# 1072
Delta R.T. -0.09 min
Lab File: VX005518.D
Acq: 23 Oct 2018 14:00

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 41 Resp: 6060
Ion Ratio Lower Upper
41 100
69 0.0 70.2 105.4#
39 18.0 42.7 64.1#

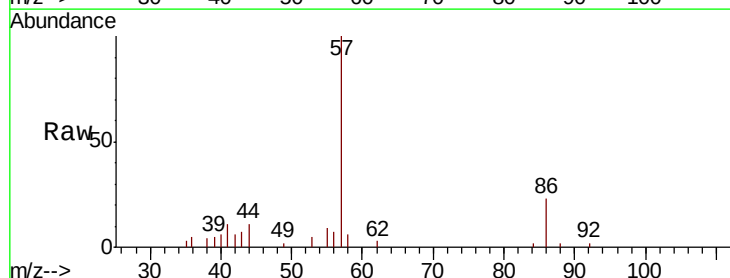


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

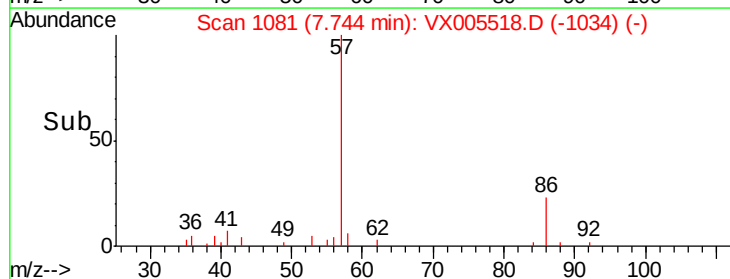
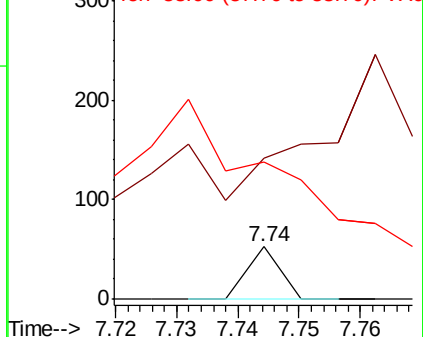


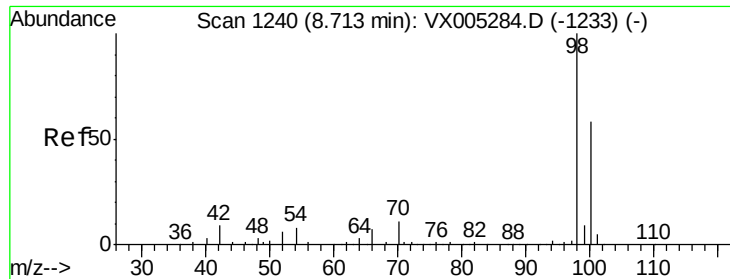
#49
1,4-Dioxane
Concen: 0.265 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VX005518.D
Acq: 23 Oct 2018 14:00

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 24.7 37.1#
58 2463.2 55.3 82.9#



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

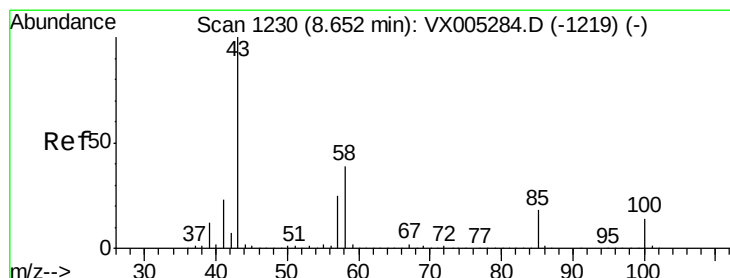
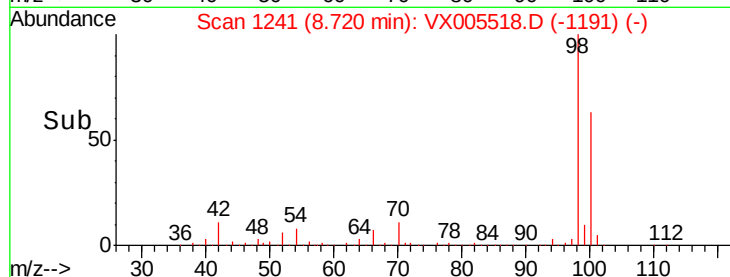
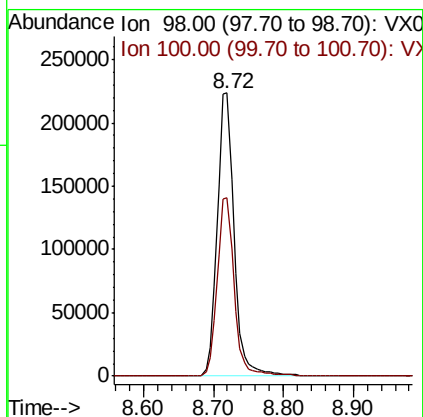
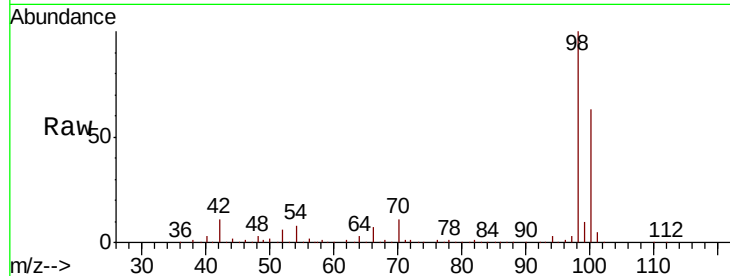




#50
Toluene-d8
Concen: 46.033 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005518.D
Acq: 23 Oct 2018 14:00

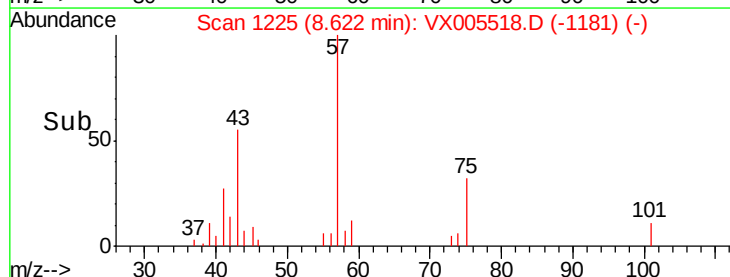
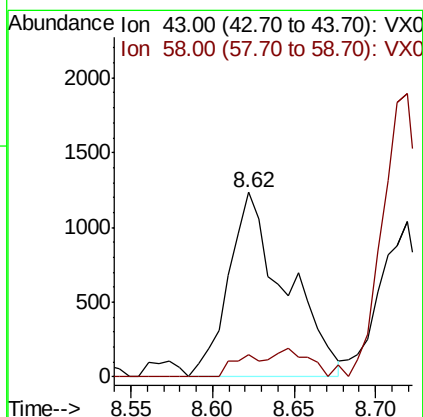
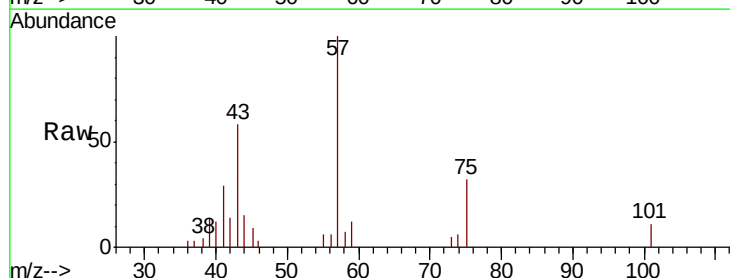
Instrument :
MSVOA_X
ClientSampleId :

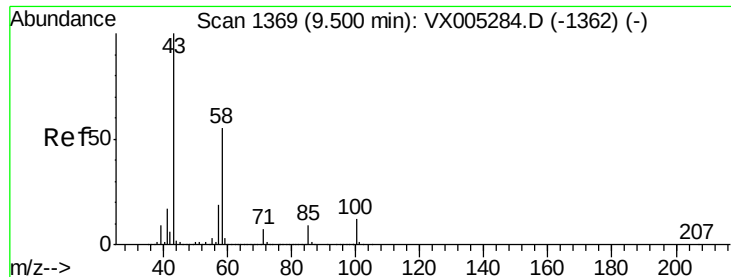
Tot Ion: 98 Resp: 377775
Ion Ratio Lower Upper
98 100
100 63.4 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 0.721 ug/l
RT: 8.62 min Scan# 1225
Delta R.T. -0.03 min
Lab File: VX005518.D
Acq: 23 Oct 2018 14:00

Tgt Ion: 43 Resp: 2989
Ion Ratio Lower Upper
43 100
58 5.7 33.1 49.7#

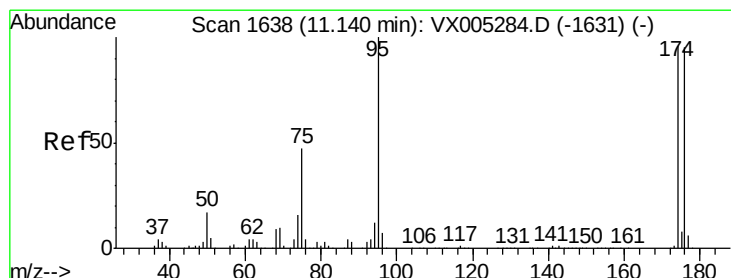
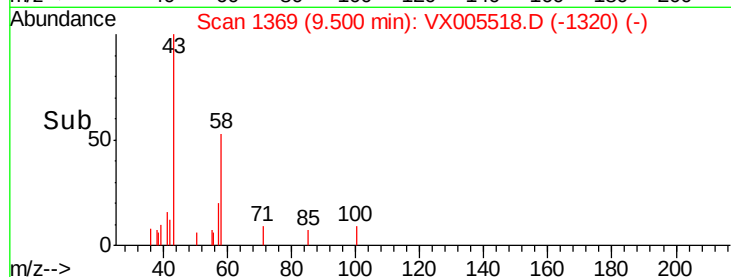
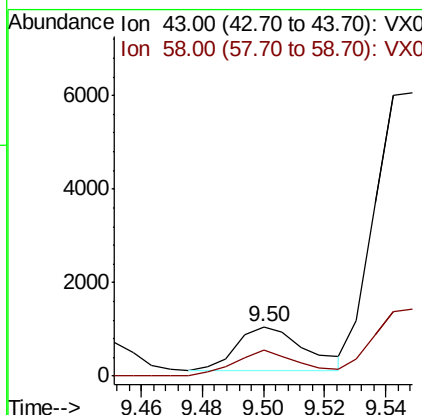
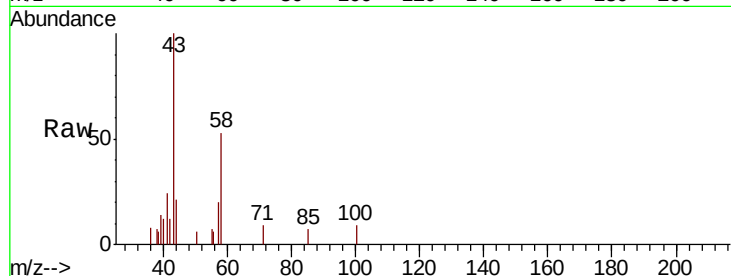




#59
2-Hexanone
Concen: 0.428 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005518.D
Acq: 23 Oct 2018 14:00

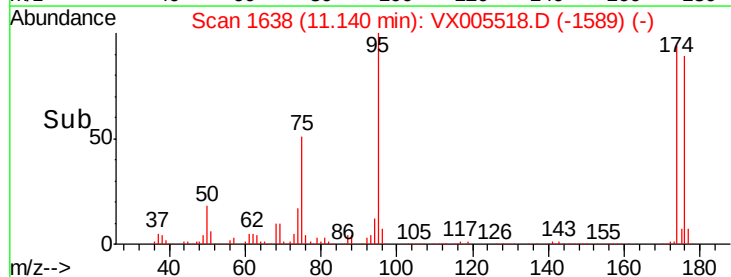
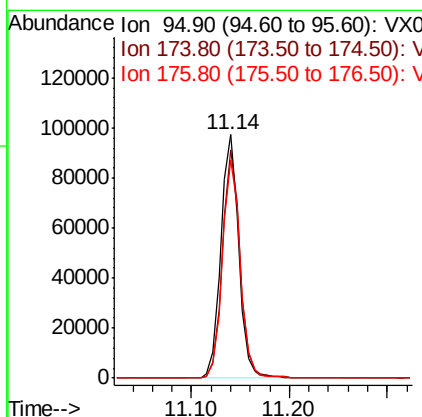
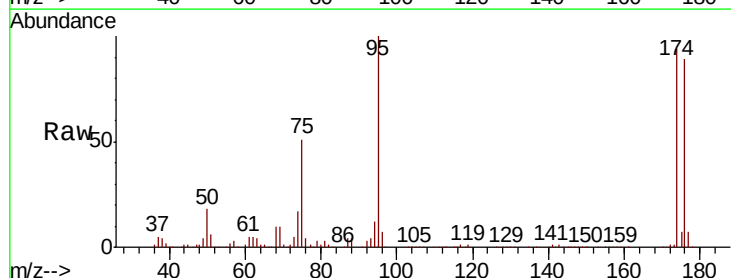
Instrument :
MSVOA_X
ClientSampleId :

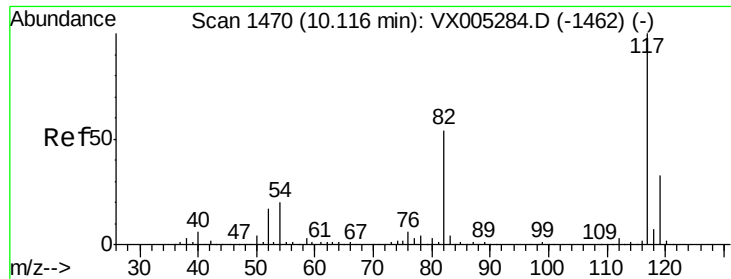
Tot Ion: 43 Resp: 1426
Ion Ratio Lower Upper
43 100
58 58.6 29.0 87.0



#62
4-Bromofluorobenzene
Concen: 40.039 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005518.D
Acq: 23 Oct 2018 14:00

Tgt Ion: 95 Resp: 123437
Ion Ratio Lower Upper
95 100
174 92.3 0.0 185.2
176 89.1 0.0 178.6

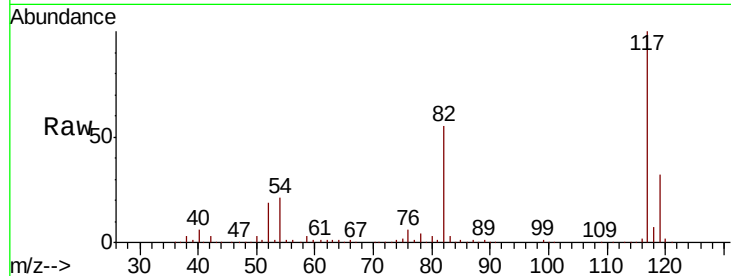




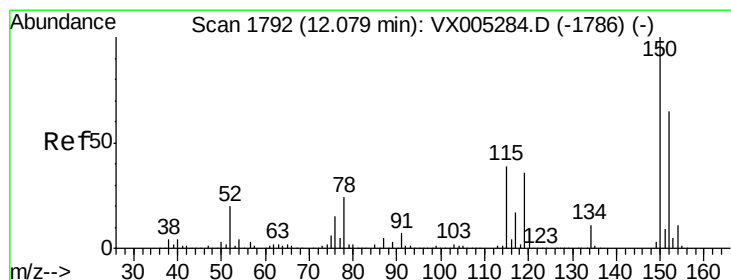
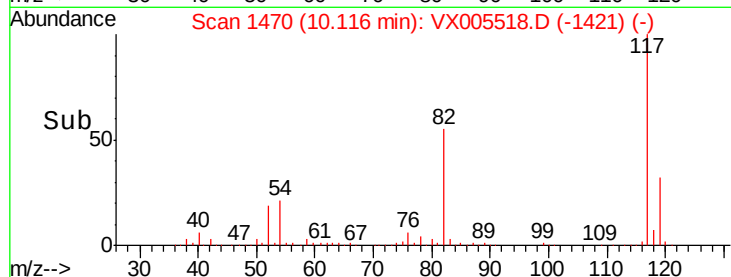
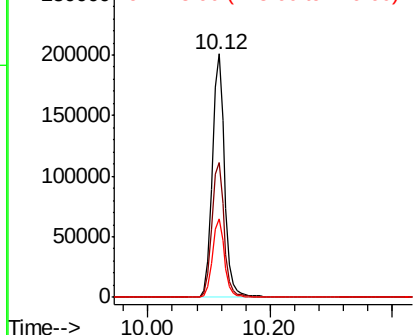
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005518.D
Acq: 23 Oct 2018 14:00

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 284896
Ion Ratio Lower Upper
117 100
82 55.4 47.8 71.6
119 32.5 29.3 43.9

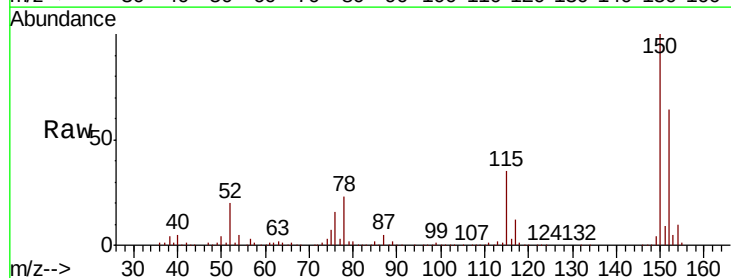


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

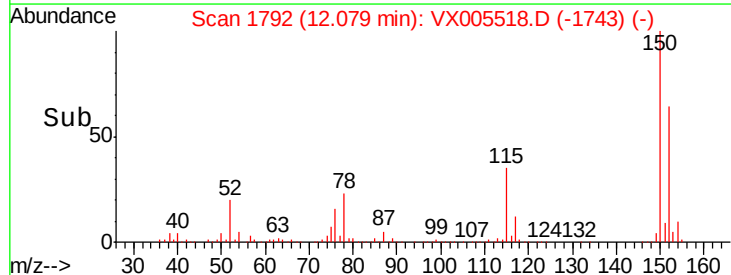
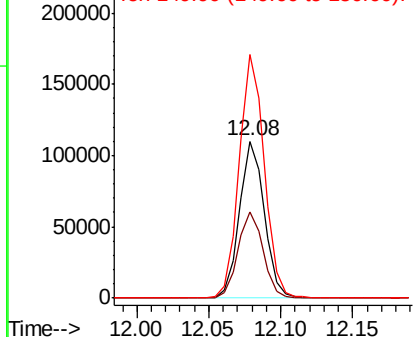


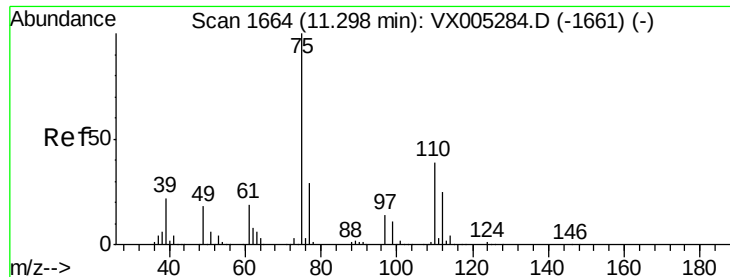
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005518.D
Acq: 23 Oct 2018 14:00

Tgt Ion:152 Resp: 131842
Ion Ratio Lower Upper
152 100
115 55.7 39.0 117.0
150 157.1 0.0 351.0



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

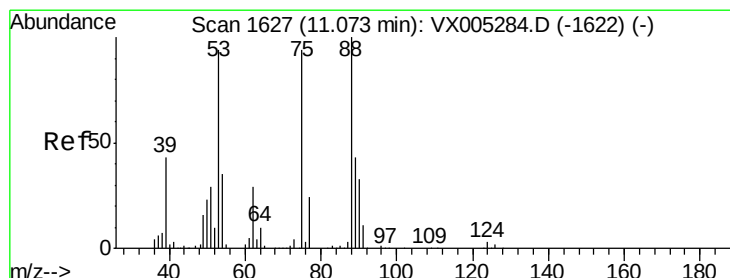
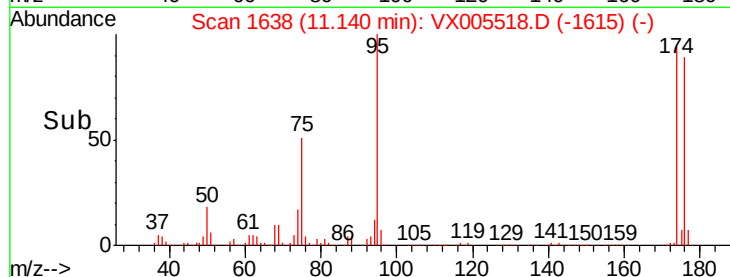
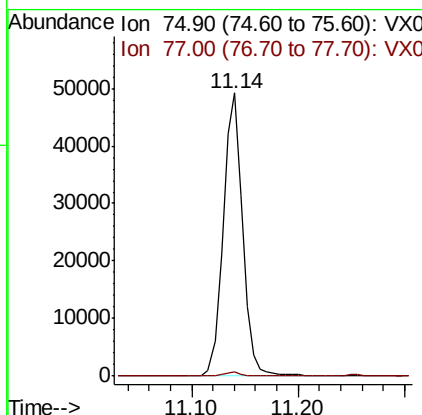
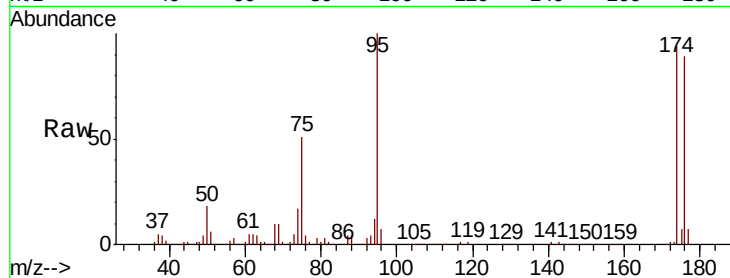




#76
 1,2,3-Trichloropropane
 Concen: 24.458 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005518.D
 Acq: 23 Oct 2018 14:00

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 75 Resp: 62547
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.314 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005518.D
 Acq: 23 Oct 2018 14:00

Tgt Ion: 75 Resp: 62547
 Ion Ratio Lower Upper
 75 100
 53 0.4 80.1 120.1#
 89 0.0 37.2 55.8#

