

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102318\
 Data File : VX005527.D
 Acq On : 23 Oct 2018 18:00
 Operator : JC/MD
 Sample : J5646-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 24 01:15:54 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

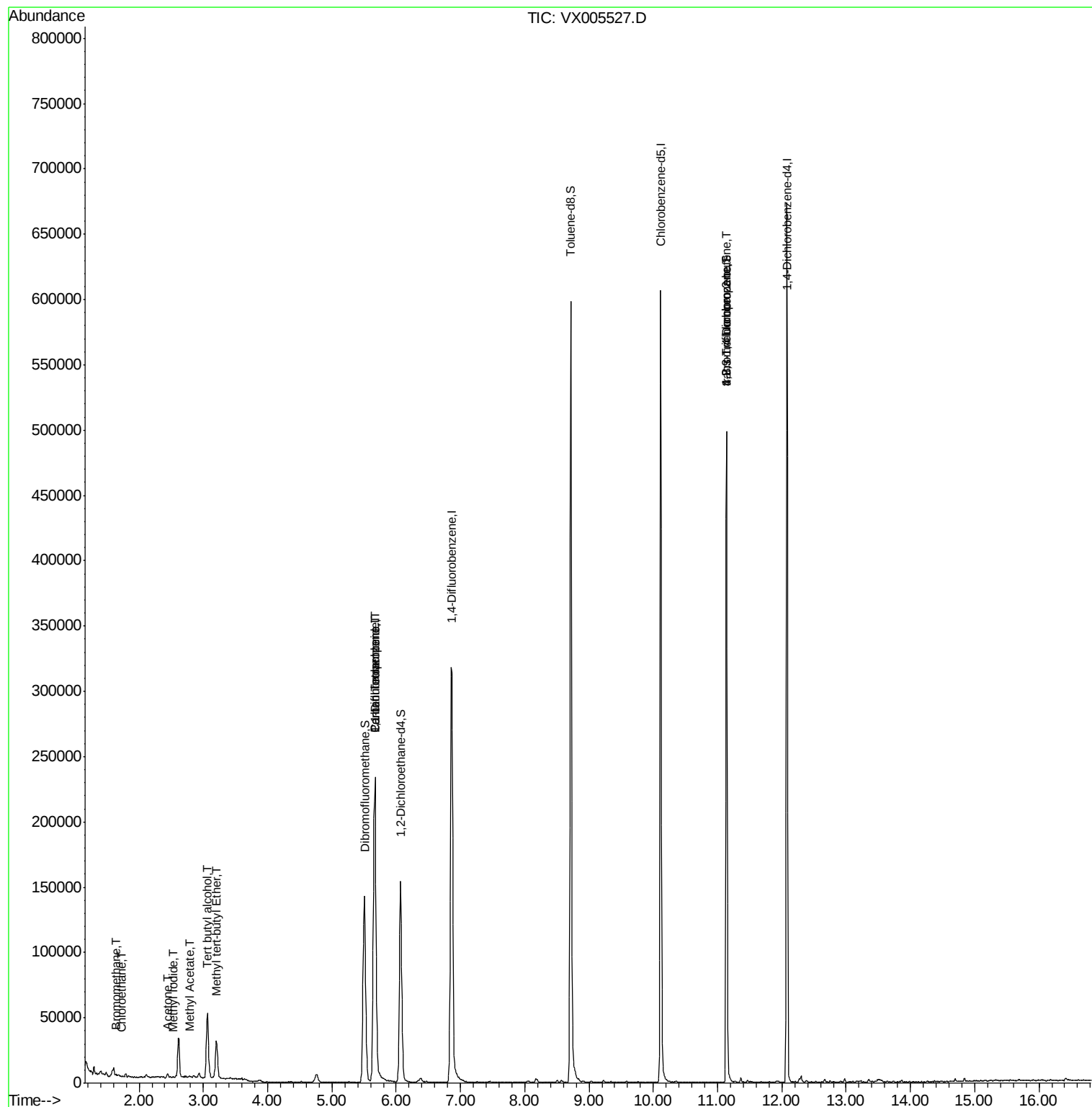
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	248714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	346262	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.12	117	282396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135433	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	143585	52.02	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.04%	
35) Dibromofluoromethane	5.50	113	121222	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
50) Toluene-d8	8.71	98	381503	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
62) 4-Bromofluorobenzene	11.14	95	126100	42.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.26%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	196	0.704	ug/l	95
6) Chloroethane	1.73	64	345	0.519	ug/l #	14
10) Methyl Iodide	2.53	142	196	2.566	ug/l #	69
11) Tert butyl alcohol	3.06	59	60907	78.221	ug/l	98
13) Acrolein	2.31	56	107	Below Cal	#	16
16) Acetone	2.45	43	3192	2.000	ug/l	90
18) Methyl Acetate	2.78	43	912	0.201	ug/l #	82
19) Methyl tert-butyl Ether	3.20	73	30733	4.006	ug/l	99
20) Methylene Chloride	2.86	84	229	Below Cal	#	65
36) 1,1-Dichloropropene	5.67	75	16925	5.047	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21492	6.378	ug/l #	16
44) Trichloroethene	7.22	130	76	Below Cal		96
76) 1,2,3-Trichloropropane	11.14	75	63402	24.135	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	63402	73.333	ug/l #	10

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

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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# 741

Delta R.T. 0.01 min

Lab File: VX005527.D

Acq: 23 Oct 2018 18:00

Instrument :

MSVOA_X

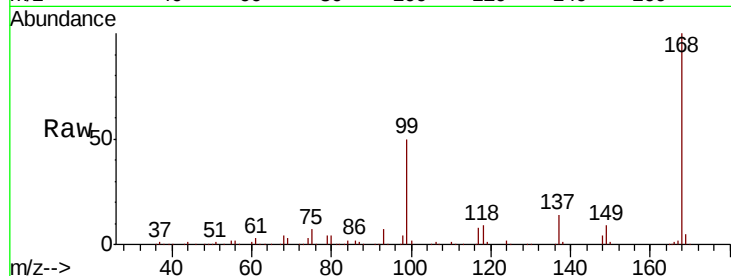
ClientSampleId :

Tot Ion:168 Resp: 248714

Ion Ratio Lower Upper

168 100

99 49.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

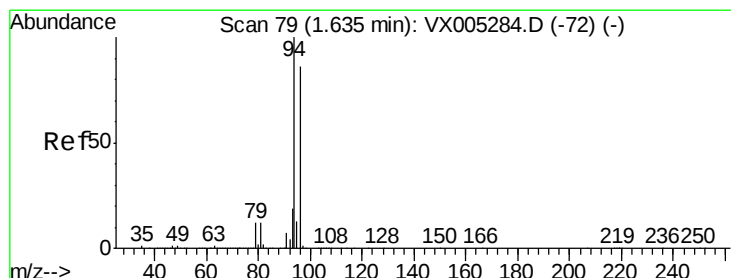
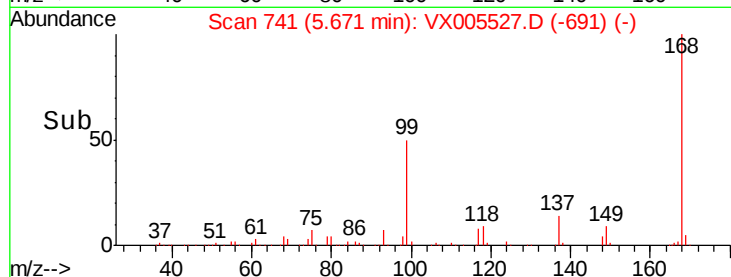
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.704 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005527.D

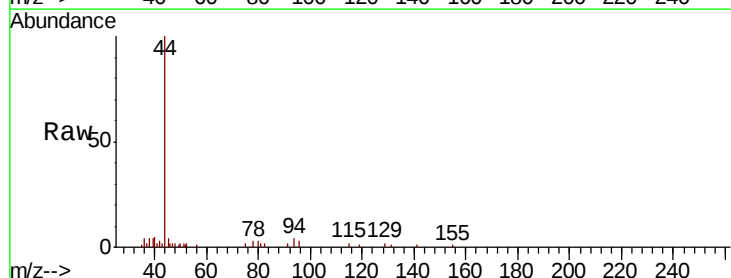
Acq: 23 Oct 2018 18:00

Tgt Ion: 94 Resp: 196

Ion Ratio Lower Upper

94 100

96 88.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

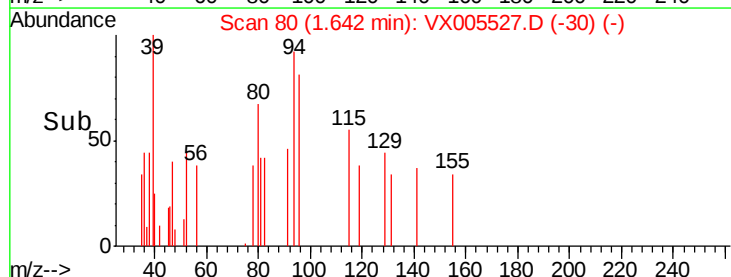
150

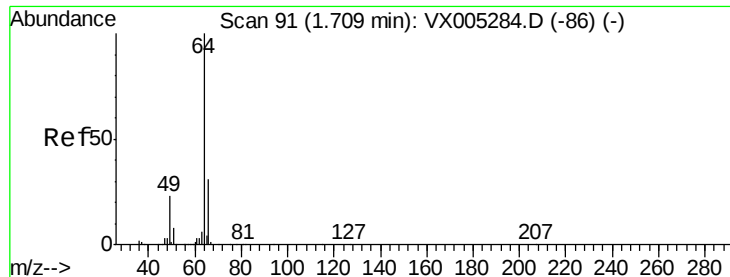
100

50

0

Time--> 1.62 1.64 1.66





#6

Chloroethane

Concen: 0.519 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.02 min

Lab File: VX005527.D

Acq: 23 Oct 2018 18:00

Instrument :

MSVOA_X

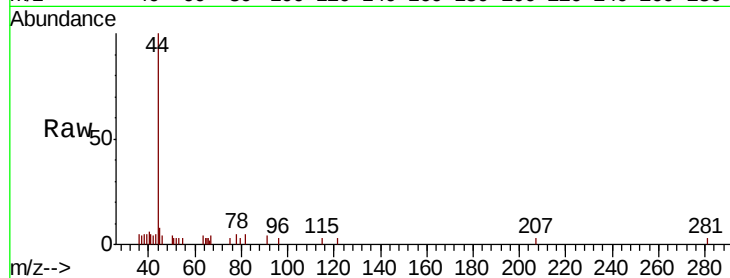
ClientSampled :

Tot Ion: 64 Resp: 345

Ion Ratio Lower Upper

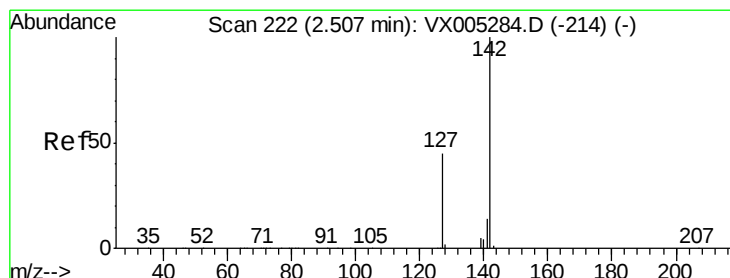
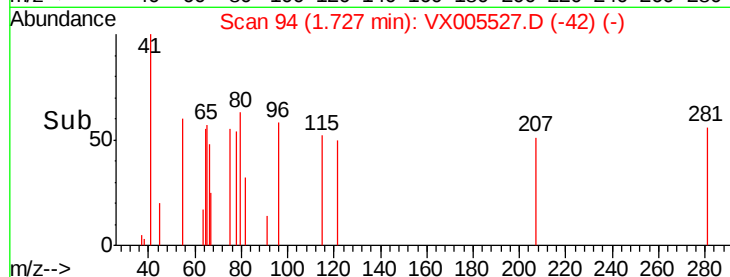
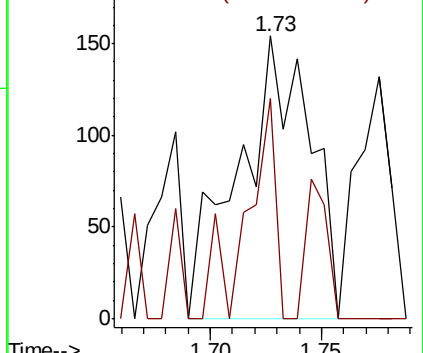
64 100

66 77.9 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 2.566 ug/l

RT: 2.53 min Scan# 226

Delta R.T. 0.02 min

Lab File: VX005527.D

Acq: 23 Oct 2018 18:00

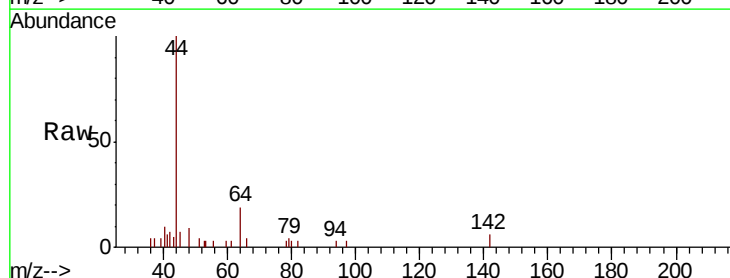
Tgt Ion: 142 Resp: 196

Ion Ratio Lower Upper

142 100

127 23.0 33.8 50.6#

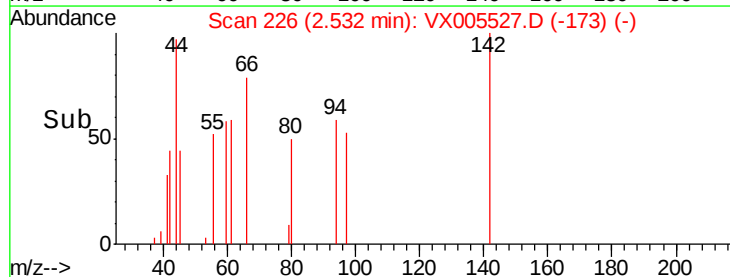
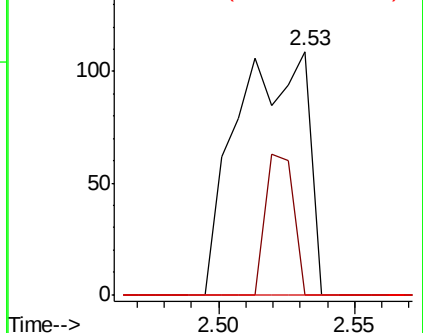
141 0.0 11.4 17.0#

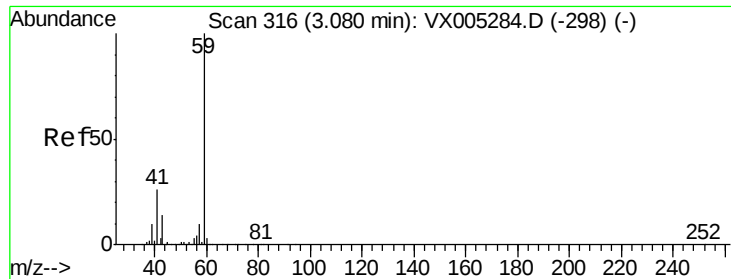


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



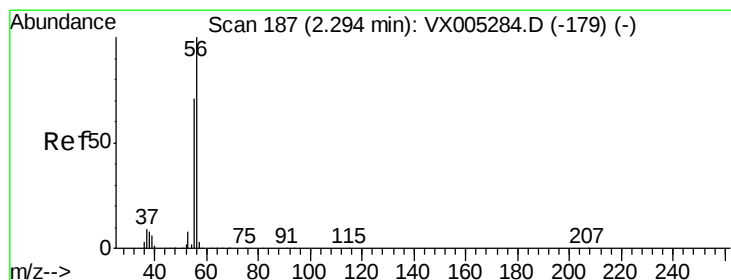
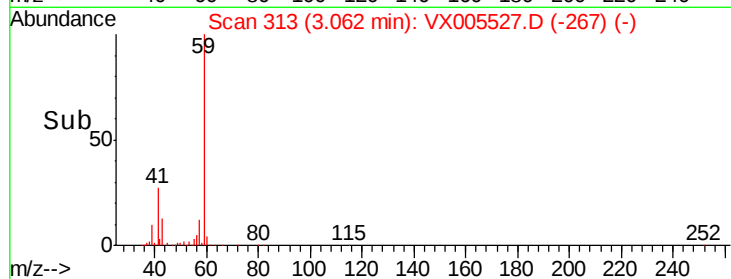
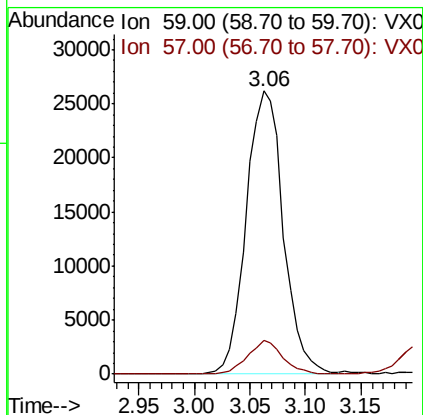
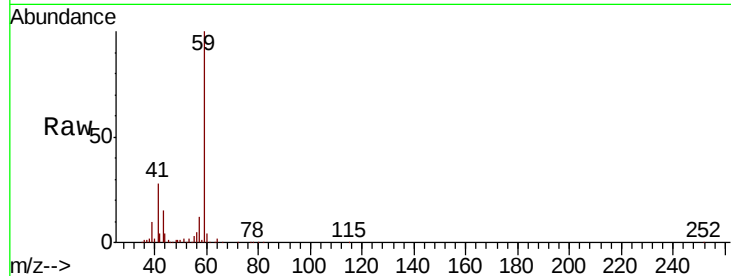


#11

Tert butyl alcohol
 Concen: 78.221 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX005527.D
 Acq: 23 Oct 2018 18:00

Instrument :
 MSVOA_X
 ClientSampled :

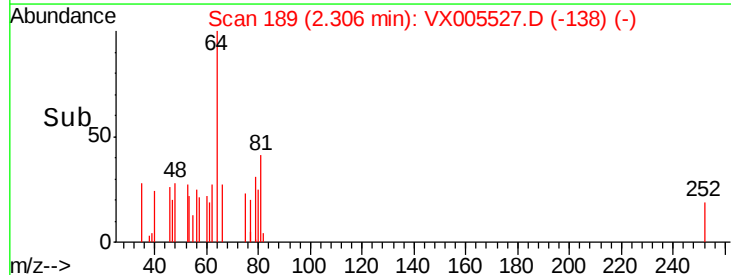
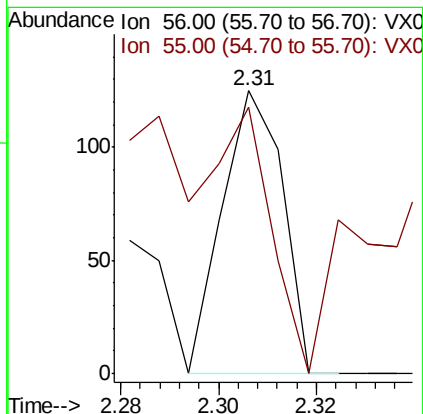
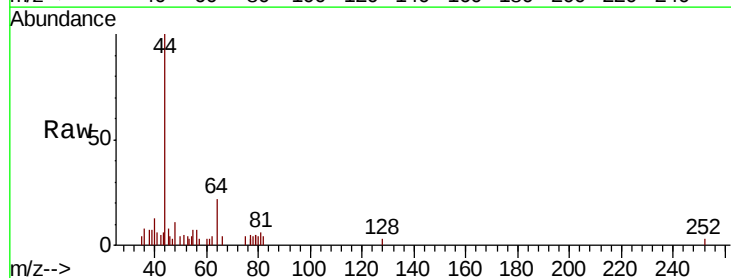
Tot Ion: 59 Resp: 60907
 Ion Ratio Lower Upper
 59 100
 57 11.2 8.2 12.4

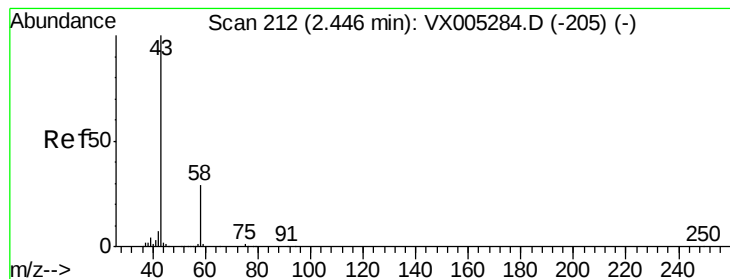


#13

Acrolein
 Concen: Below Cal
 RT: 2.31 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VX005527.D
 Acq: 23 Oct 2018 18:00

Tgt Ion: 56 Resp: 107
 Ion Ratio Lower Upper
 56 100
 55 0.0 54.7 82.1#





#16

Acetone

Concen: 2.000 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005527.D

Acq: 23 Oct 2018 18:00

Instrument :

MSVOA_X

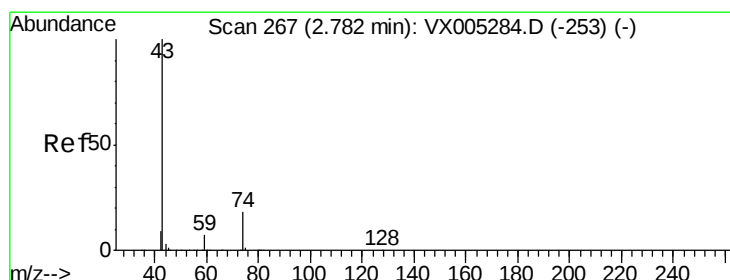
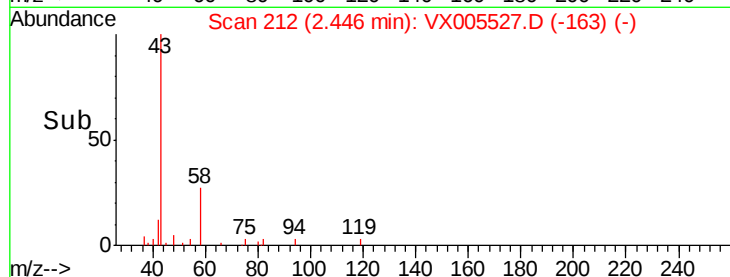
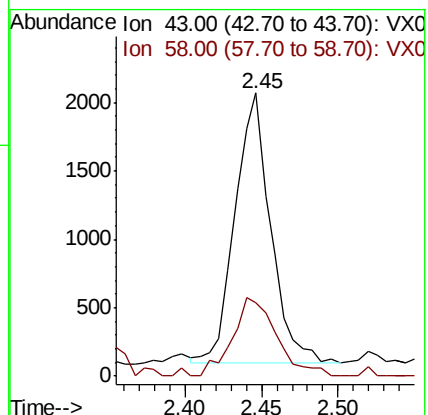
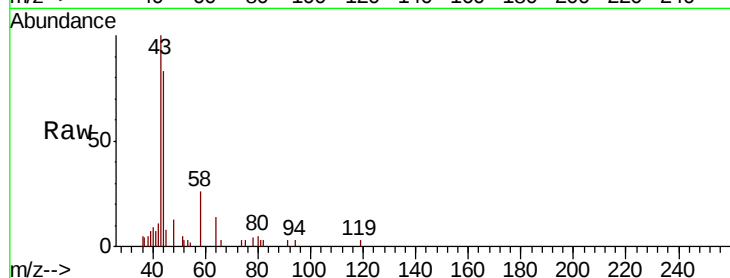
ClientSampleId :

Tot Ion: 43 Resp: 3192

Ion Ratio Lower Upper

43 100

58 27.4 26.2 39.4



#18

Methyl Acetate

Concen: 0.201 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005527.D

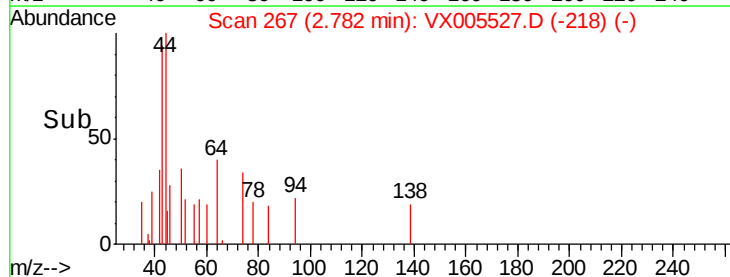
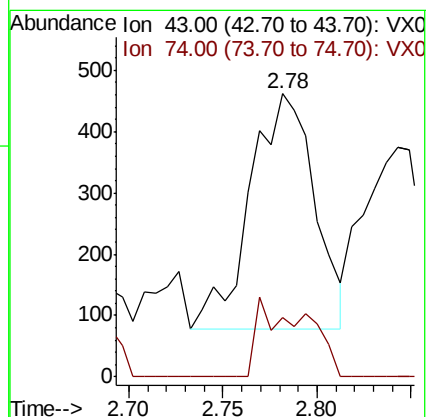
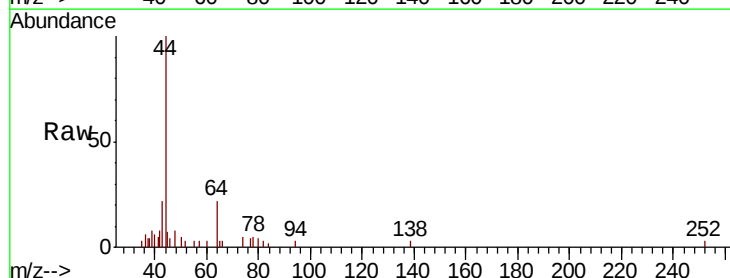
Acq: 23 Oct 2018 18:00

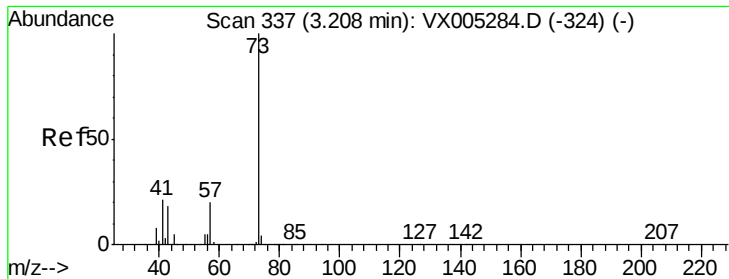
Tgt Ion: 43 Resp: 912

Ion Ratio Lower Upper

43 100

74 15.6 19.4 29.2#

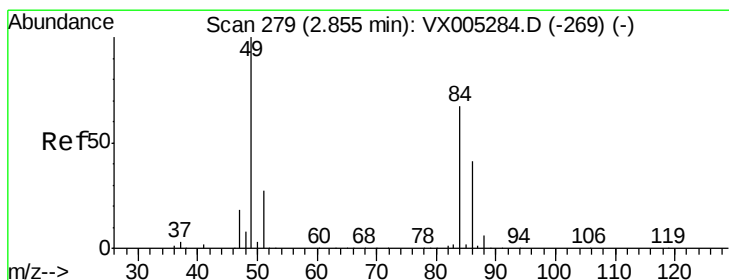
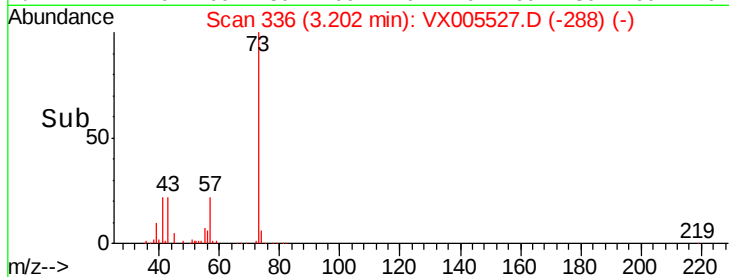
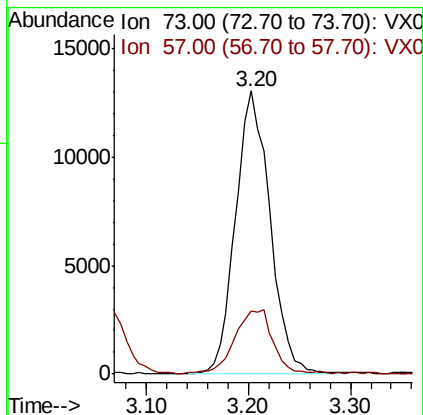
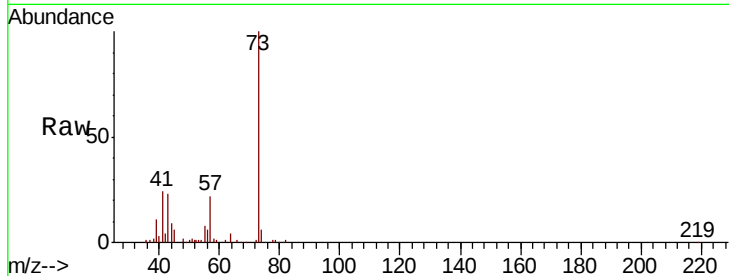




#19
Methyl tert-butyl Ether
Concen: 4.006 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005527.D
Acq: 23 Oct 2018 18:00

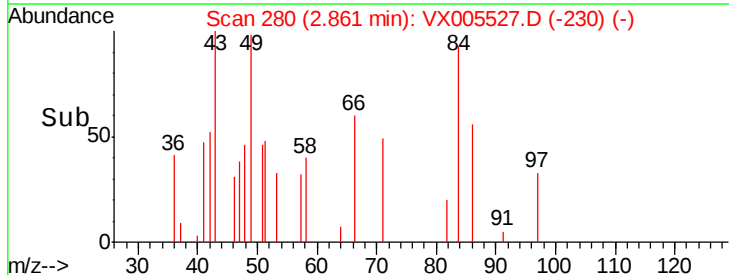
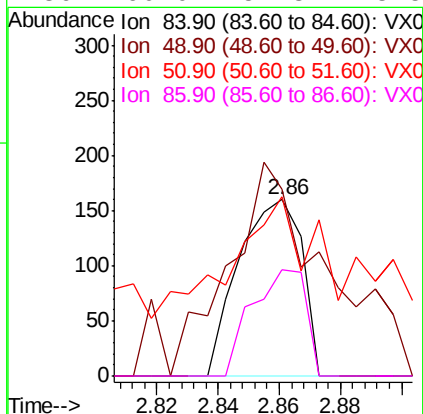
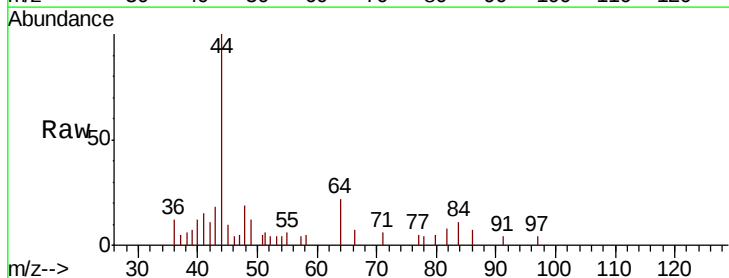
Instrument :
MSVOA_X
ClientSampleId :

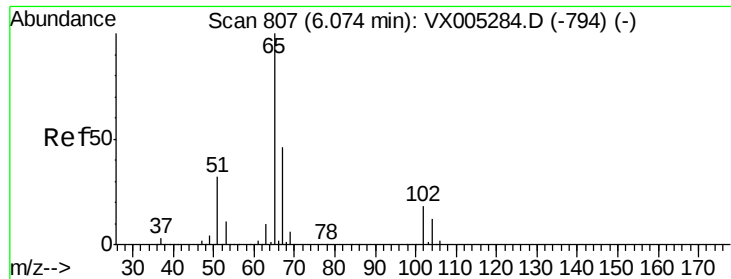
Tot Ion: 73 Resp: 30733
Ion Ratio Lower Upper
73 100
57 22.0 17.1 25.7



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005527.D
Acq: 23 Oct 2018 18:00

Tgt Ion: 84 Resp: 229
Ion Ratio Lower Upper
84 100
49 69.4 101.2 151.8#
51 58.8 29.5 44.3#
86 60.0 52.3 78.5





#33

1,2-Dichloroethane-d4

Concen: 52.017 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX005527.D

Acq: 23 Oct 2018 18:00

Instrument :

MSVOA_X

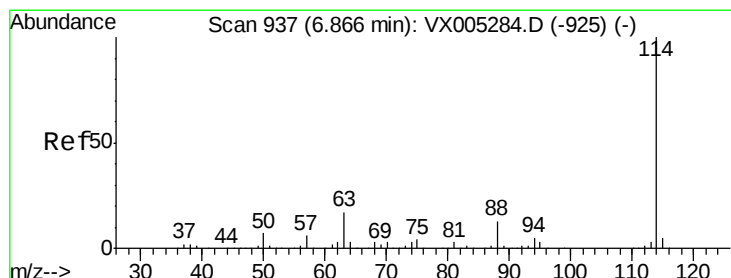
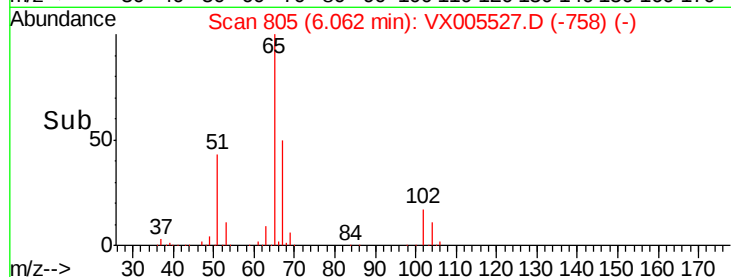
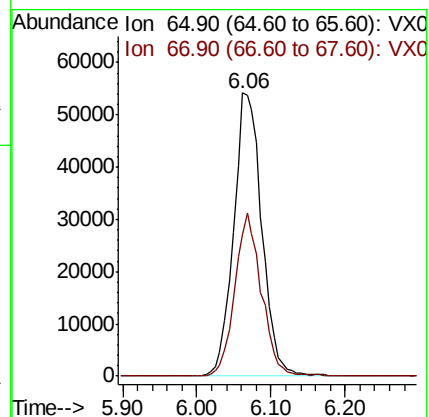
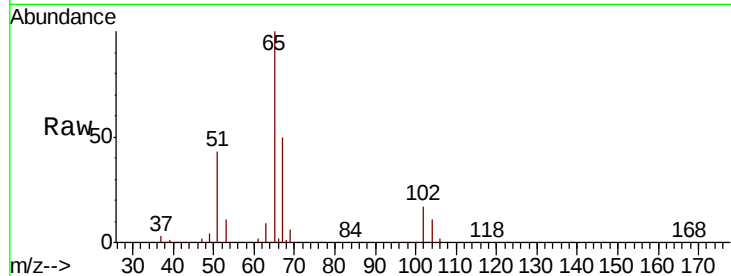
ClientSampleId :

Tot Ion: 65 Resp: 143585

Ion Ratio Lower Upper

65 100

67 54.2 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX005527.D

Acq: 23 Oct 2018 18:00

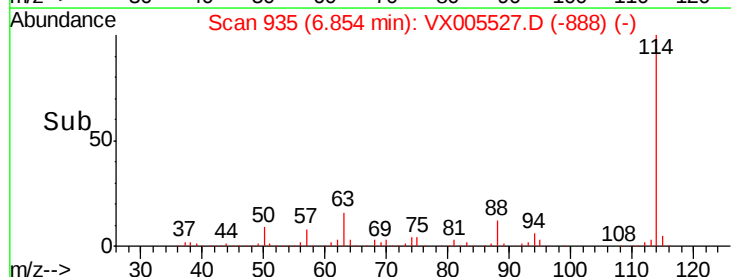
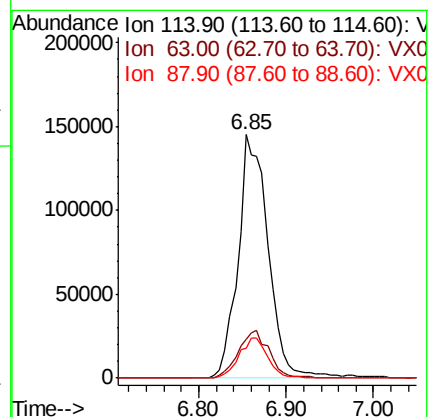
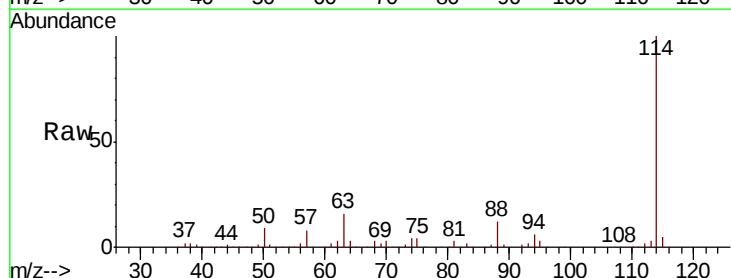
Tgt Ion: 114 Resp: 346262

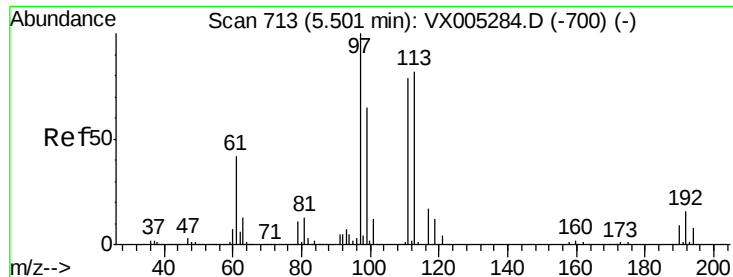
Ion Ratio Lower Upper

114 100

63 16.2 0.0 39.0

88 12.5 0.0 30.4

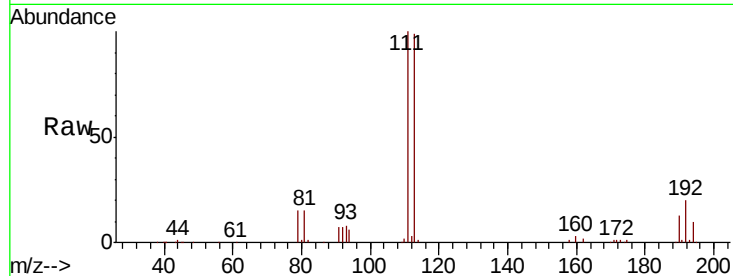




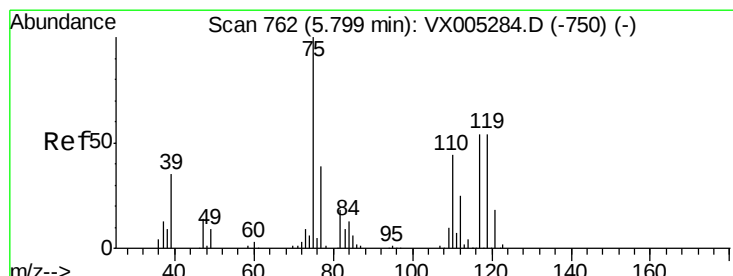
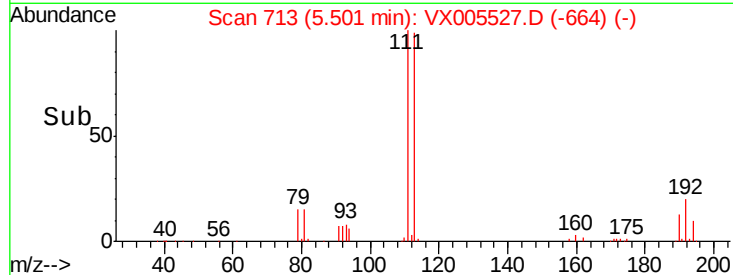
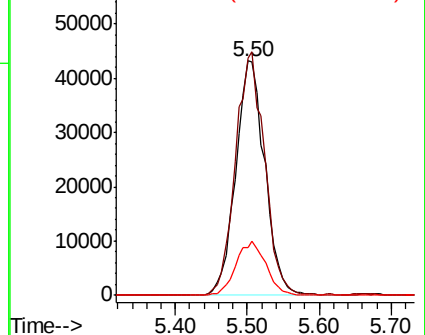
#35
 Dibromofluoromethane
 Concen: 52.857 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005527.D
 Acq: 23 Oct 2018 18:00

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:113 Resp: 121222
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.4 123.6
 192 23.7 19.4 29.2

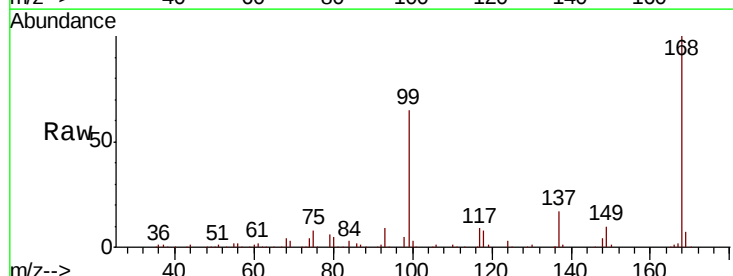


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

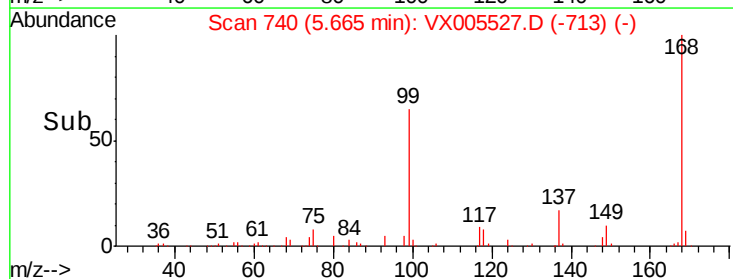
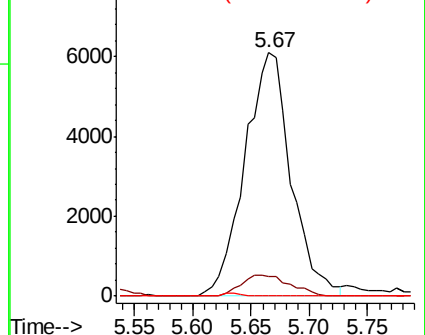


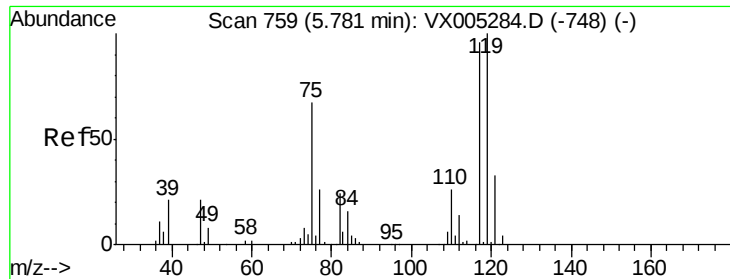
#36
 1,1-Dichloropropene
 Concen: 5.047 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005527.D
 Acq: 23 Oct 2018 18:00

Tgt Ion: 75 Resp: 16925
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.0 54.0#
 77 0.0 24.6 36.8#



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

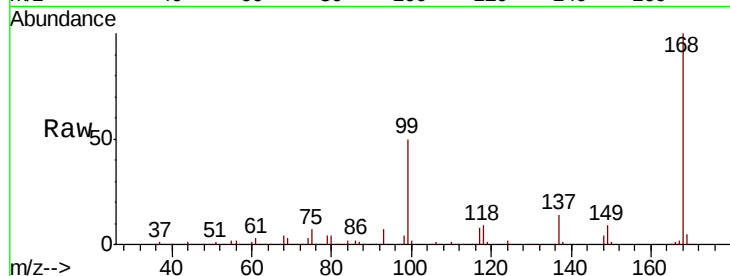




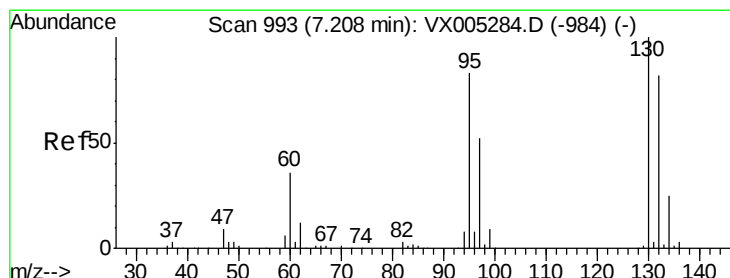
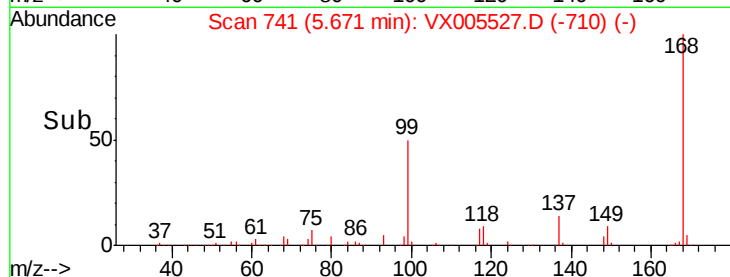
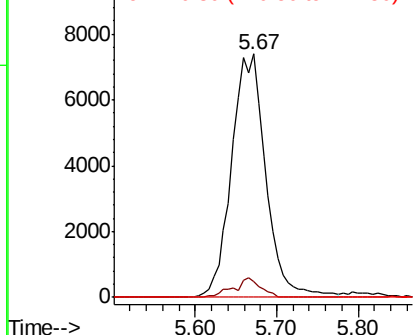
#38
Carbon Tetrachloride
Concen: 6.378 ug/l
RT: 5.67 min Scan# 741
Delta R.T. -0.11 min
Lab File: VX005527.D
Acq: 23 Oct 2018 18:00

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 21492
Ion Ratio Lower Upper
117 100
119 6.3 78.8 118.2#
121 0.0 24.9 37.3#

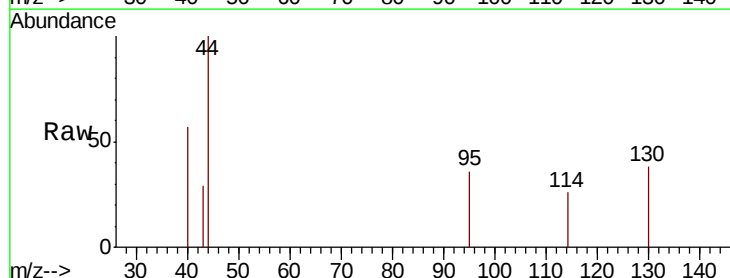


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

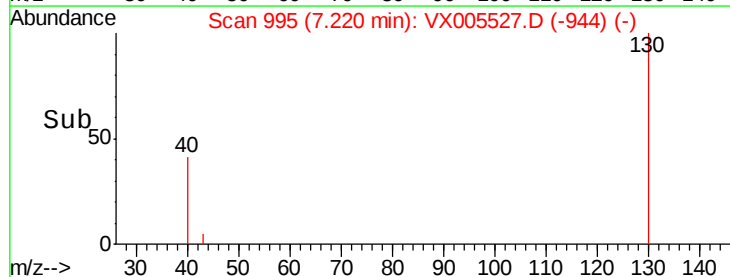
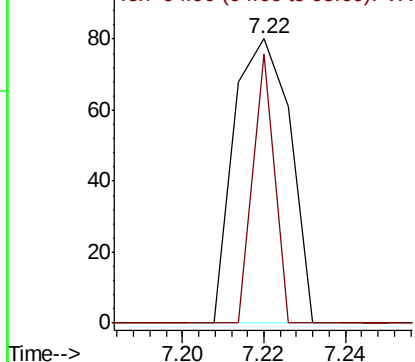


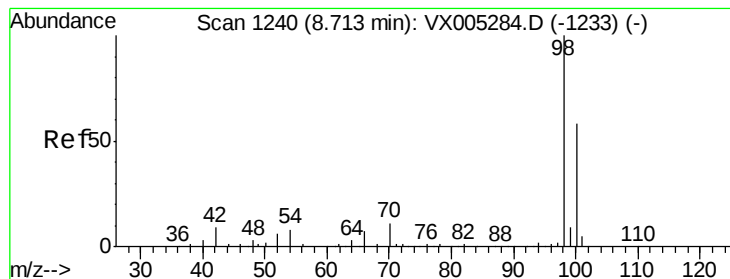
#44
Trichloroethene
Concen: Below Cal
RT: 7.22 min Scan# 995
Delta R.T. 0.01 min
Lab File: VX005527.D
Acq: 23 Oct 2018 18:00

Tgt Ion:130 Resp: 76
Ion Ratio Lower Upper
130 100
95 95.0 0.0 181.6



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





#50

Toluene-d8

Concen: 48.455 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005527.D

Acq: 23 Oct 2018 18:00

Instrument :

MSVOA_X

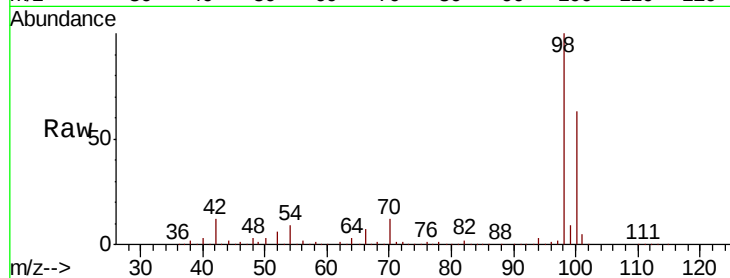
ClientSampled :

Tot Ion: 98 Resp: 381503

Ion Ratio Lower Upper

98 100

100 63.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

250000

200000

150000

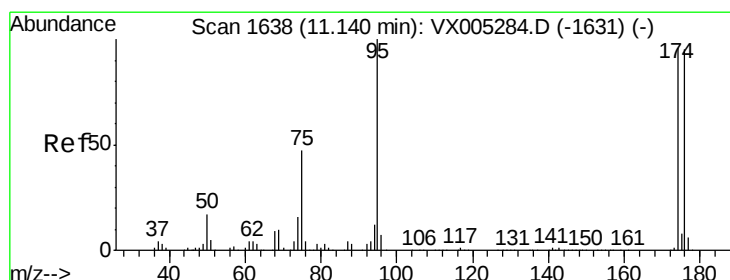
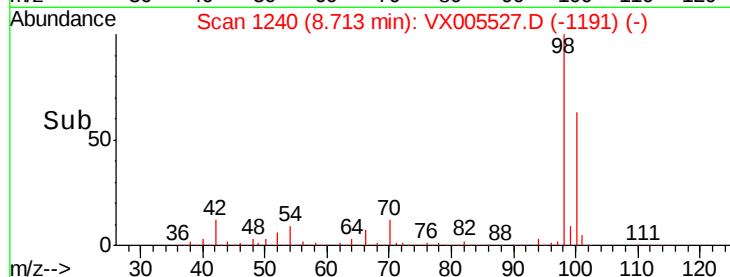
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 42.634 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005527.D

Acq: 23 Oct 2018 18:00

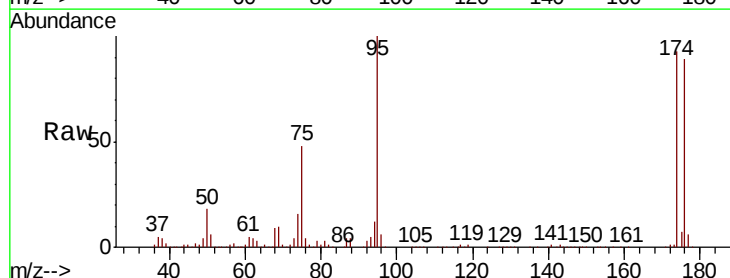
Tgt Ion: 95 Resp: 126100

Ion Ratio Lower Upper

95 100

174 92.1 0.0 185.2

176 88.6 0.0 178.6



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

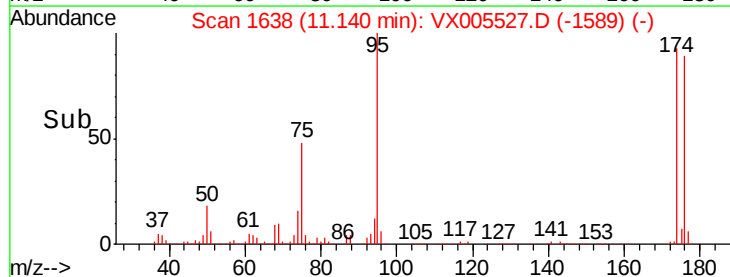
100000

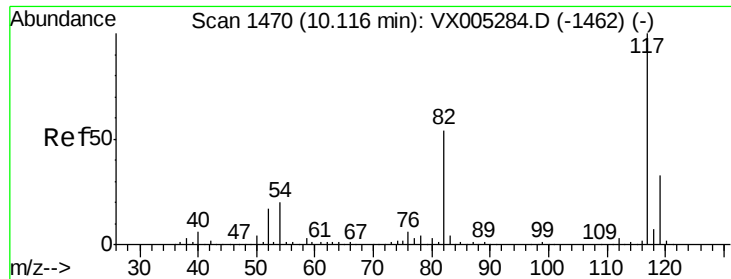
50000

0

11.10 11.20 11.30

Time-->

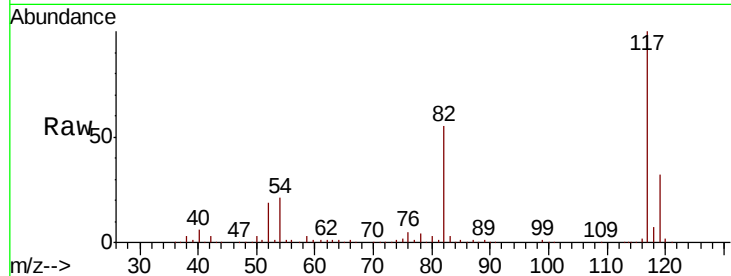




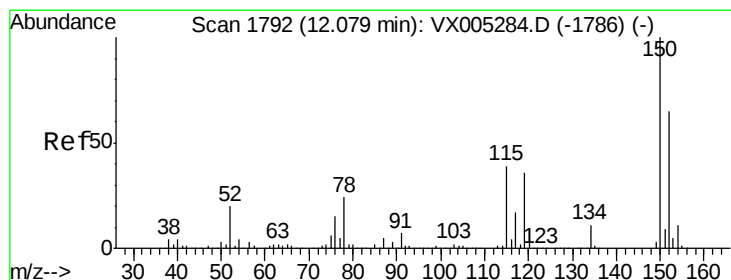
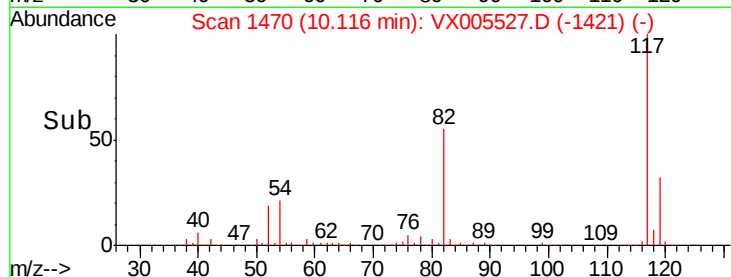
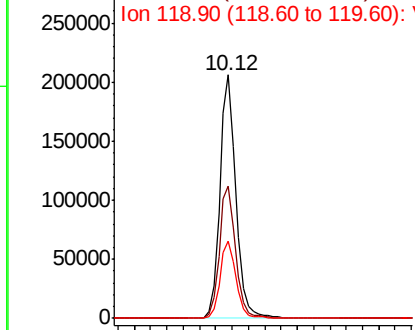
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.12 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VX005527.D
 Acq: 23 Oct 2018 18:00

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:117 Resp: 282396
 Ion Ratio Lower Upper
 117 100
 82 54.5 47.8 71.6
 119 31.6 29.3 43.9

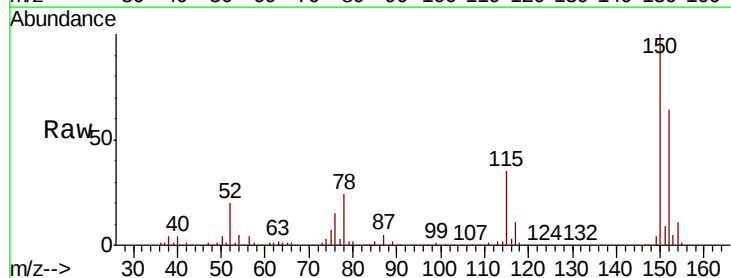


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): VX0
 Ion 118.90 (118.60 to 119.60): V

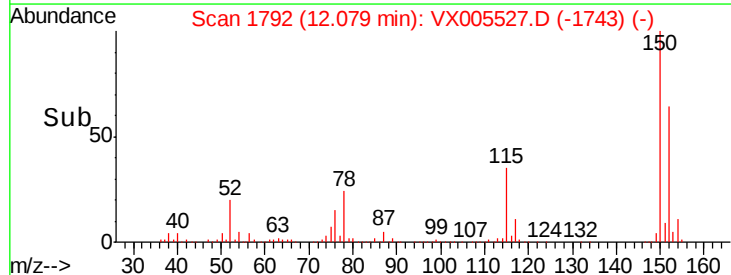
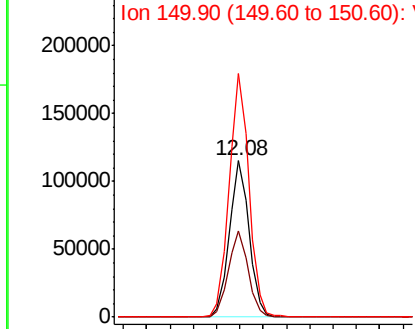


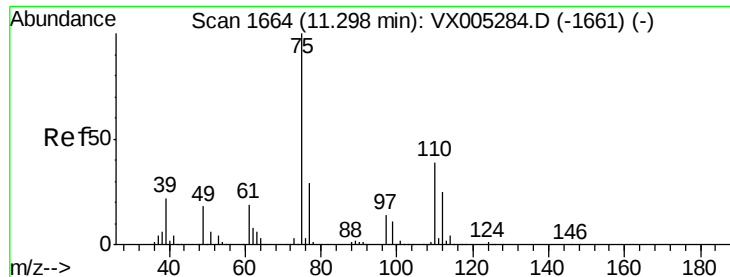
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX005527.D
 Acq: 23 Oct 2018 18:00

Tgt Ion:152 Resp: 135433
 Ion Ratio Lower Upper
 152 100
 115 55.4 39.0 117.0
 150 156.6 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: 24.135 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005527.D

Acq: 23 Oct 2018 18:00

Instrument :

MSVOA_X

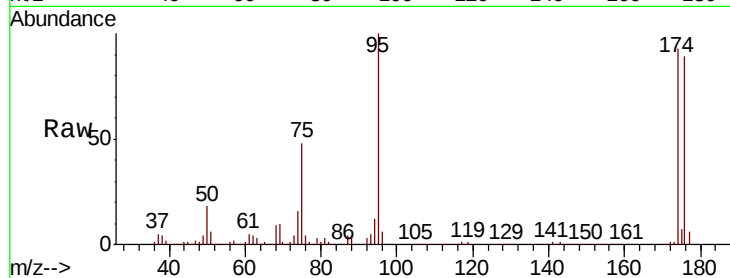
ClientSampled :

Tot Ion: 75 Resp: 63402

Ion Ratio Lower Upper

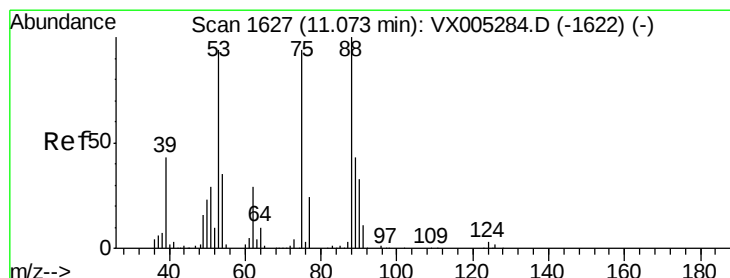
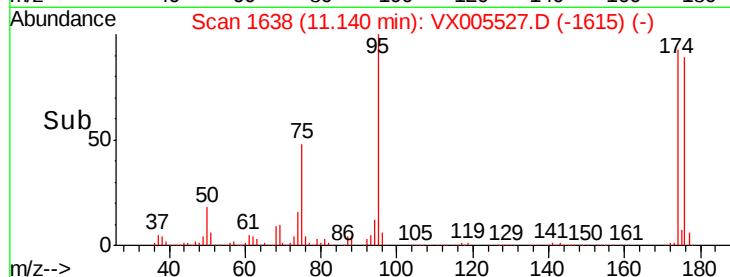
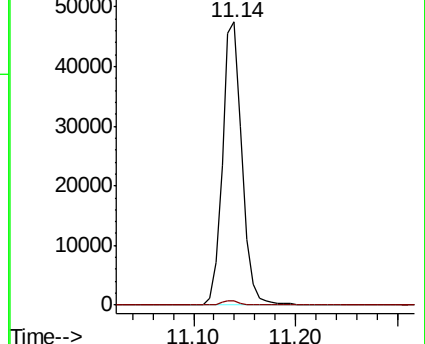
75 100

77 1.5 20.2 60.6#



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: 73.333 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005527.D

Acq: 23 Oct 2018 18:00

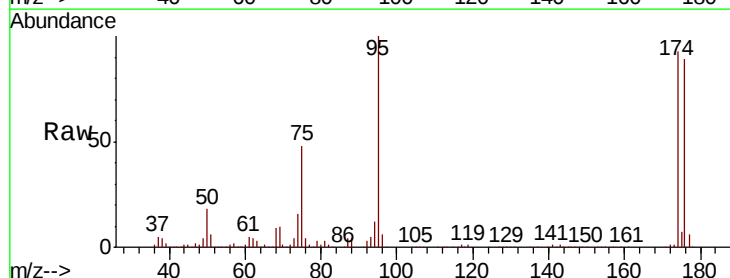
Tgt Ion: 75 Resp: 63402

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



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

