

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101518\
 Data File : VX005342.D
 Acq On : 15 Oct 2018 14:35
 Operator : JC/MD
 Sample : J5393-02DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 16 03:36:20 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	5.66	168	261734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	369710	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	338465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	167236	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	149509	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
35) Dibromofluoromethane	5.51	113	120110	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
50) Toluene-d8	8.71	98	447277	53.21	ug/l	0.00
Spiked Amount			Recovery	=	106.42%	
62) 4-Bromofluorobenzene	11.14	95	148360	46.98	ug/l	0.00
Spiked Amount			Recovery	=	93.96%	

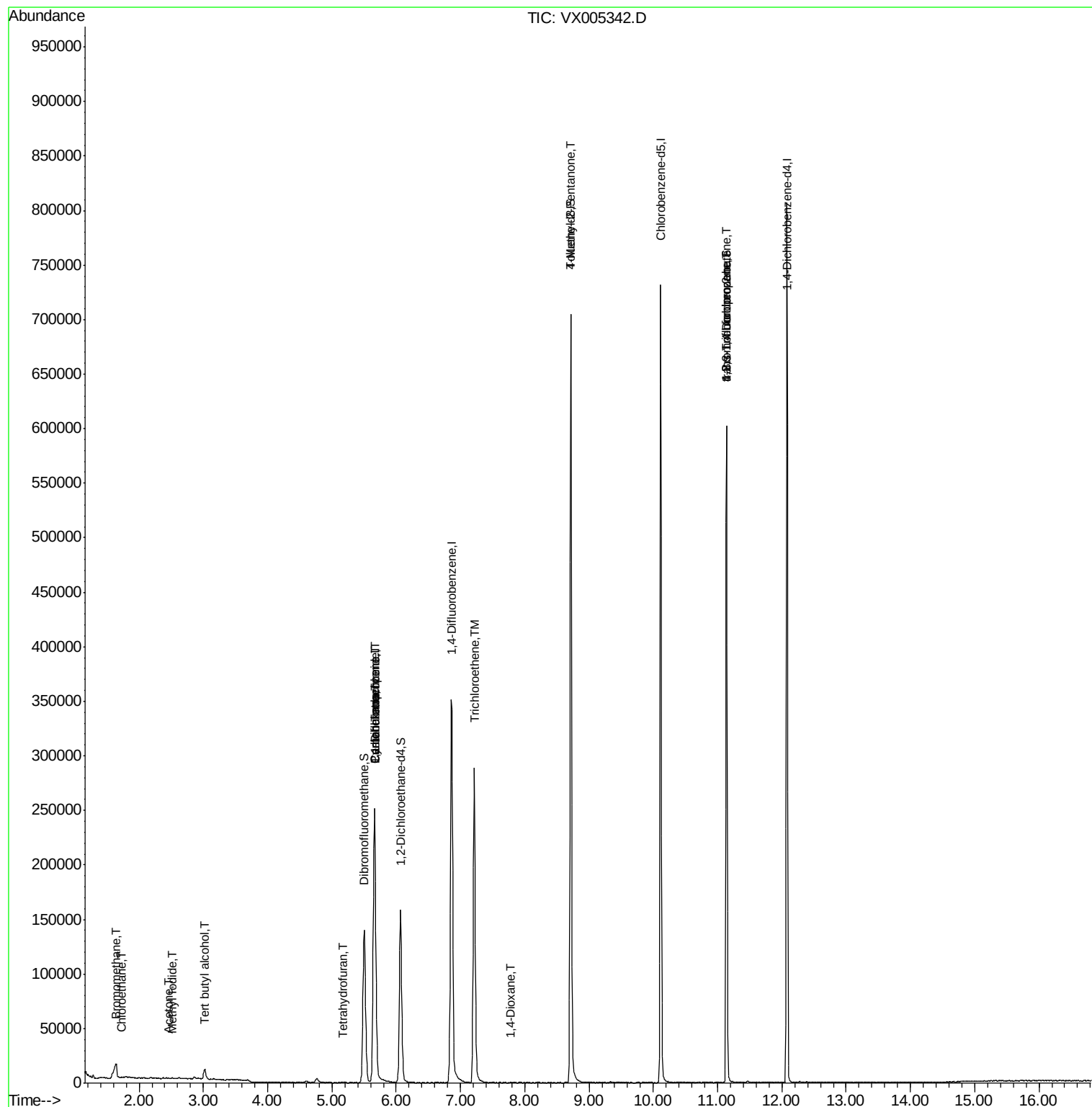
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	644	0.959	ug/l #	63
6) Chloroethane	1.73	64	1669	1.185	ug/l #	44
10) Methyl Iodide	2.51	142	274	2.591	ug/l #	80
11) Tert butyl alcohol	3.02	59	5929	7.236	ug/l #	82
13) Acrolein	2.28	56	41	Below Cal	#	76
16) Acetone	2.45	43	466	0.277	ug/l #	76
20) Methylene Chloride	2.85	84	600	Below Cal	#	93
29) Tetrahydrofuran	5.16	42	405	0.258	ug/l #	39
31) Cyclohexane	5.66	56	4460	1.117	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17272	4.824	ug/l #	50
38) Carbon Tetrachloride	5.66	117	23059	6.409	ug/l #	18
44) Trichloroethene	7.21	130	118462	43.108	ug/l	96
49) 1,4-Dioxane	7.78	88	21	0.286	ug/l #	34
51) 4-Methyl-2-Pentanone	8.71	43	1894	0.446	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	72897	22.472	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	72897	68.281	ug/l #	10

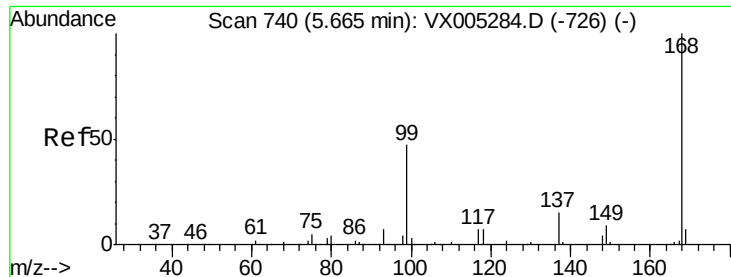
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005342.D

Acq: 15 Oct 2018 14:35

Instrument :

MSVOA_X

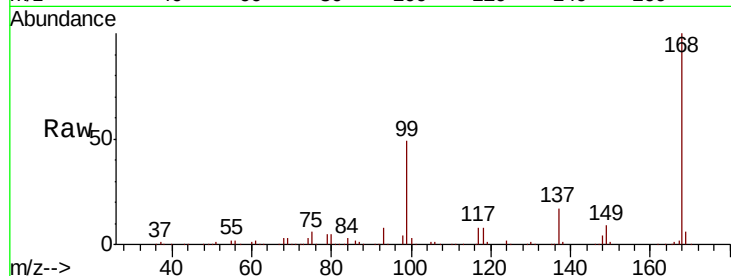
ClientSampleId :

Tot Ion:168 Resp: 261734

Ion Ratio Lower Upper

168 100

99 48.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

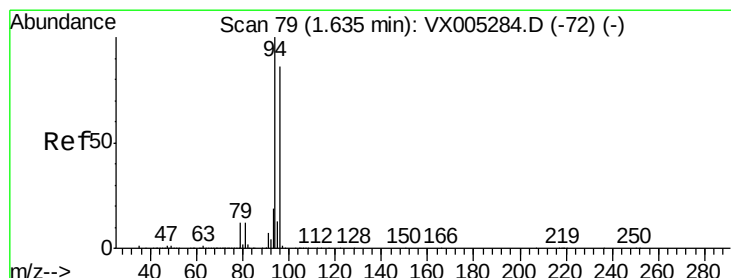
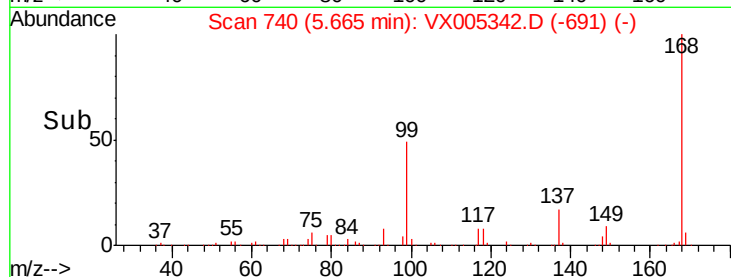
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: 0.959 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005342.D

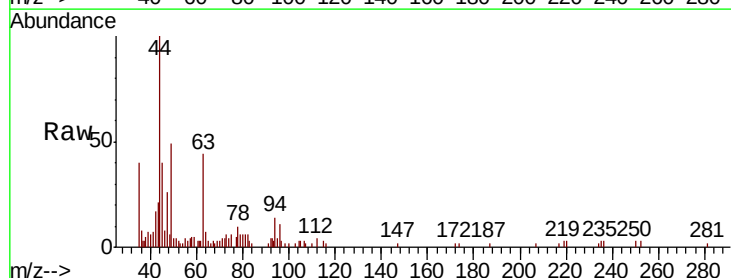
Acq: 15 Oct 2018 14:35

Tgt Ion: 94 Resp: 644

Ion Ratio Lower Upper

94 100

96 57.5 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

400

300

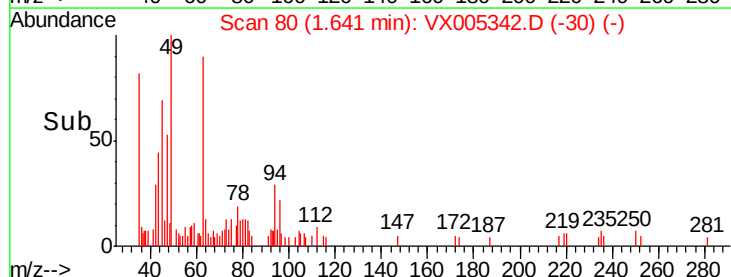
200

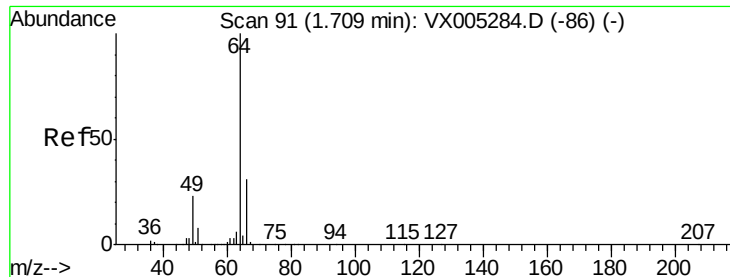
100

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 1.185 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX005342.D

Acq: 15 Oct 2018 14:35

Instrument :

MSVOA_X

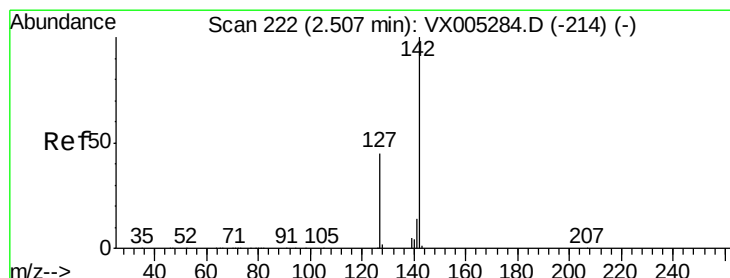
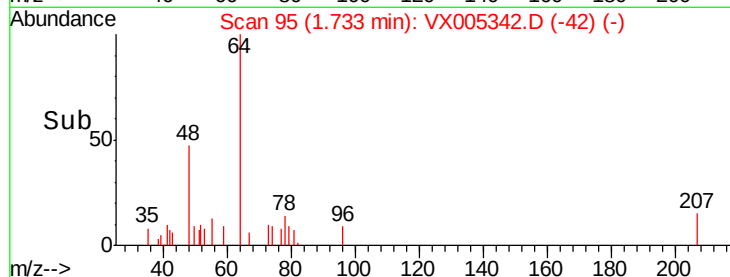
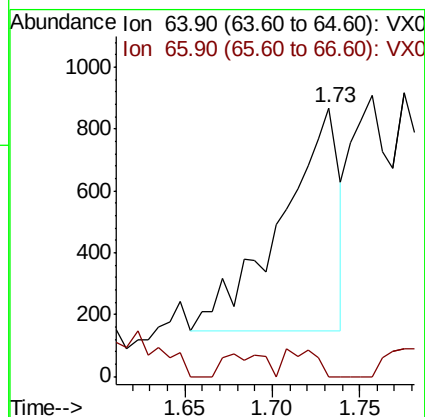
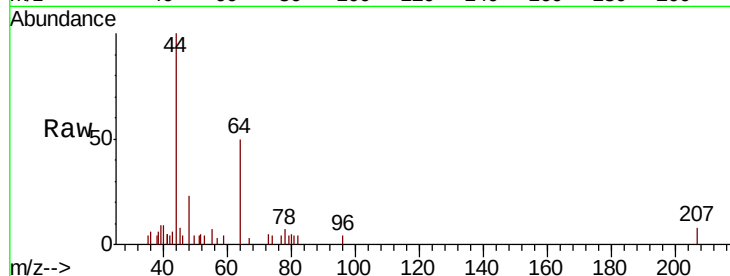
ClientSampleId :

Tot Ion: 64 Resp: 1669

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



#10

Methyl Iodide

Concen: 2.591 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005342.D

Acq: 15 Oct 2018 14:35

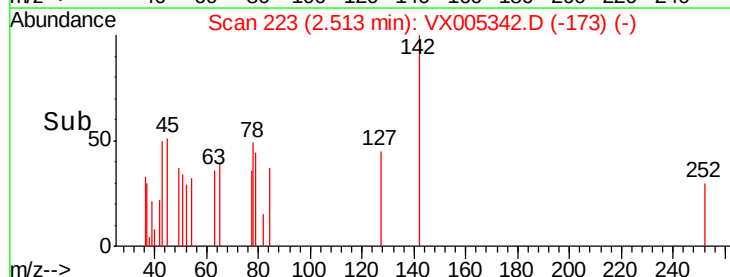
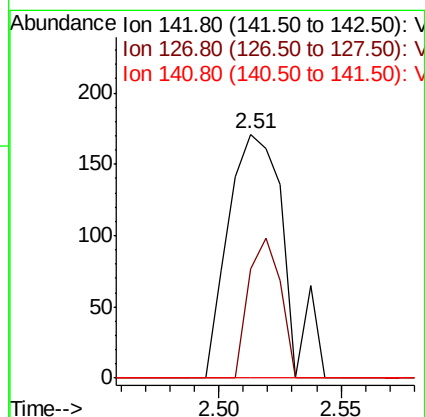
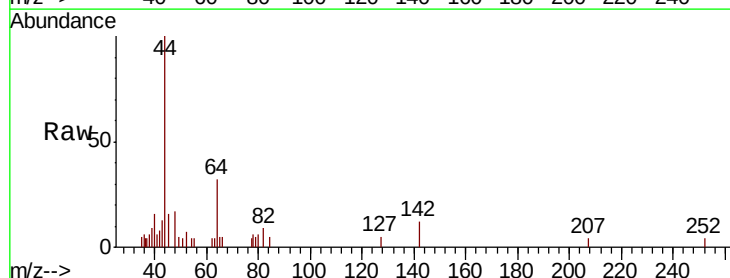
Tgt Ion: 142 Resp: 274

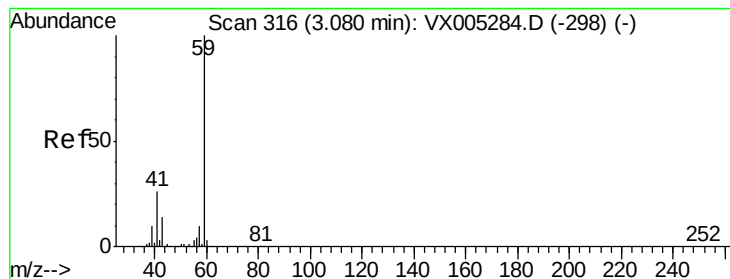
Ion Ratio Lower Upper

142 100

127 32.5 33.8 50.6#

141 0.0 11.4 17.0#



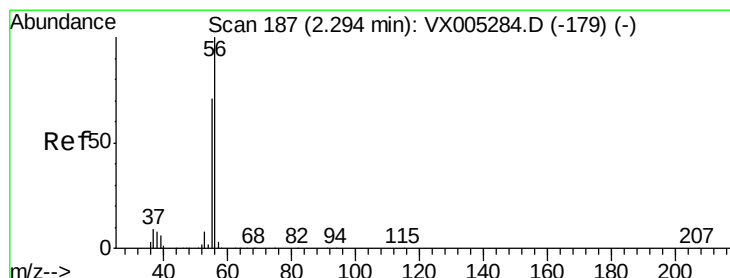
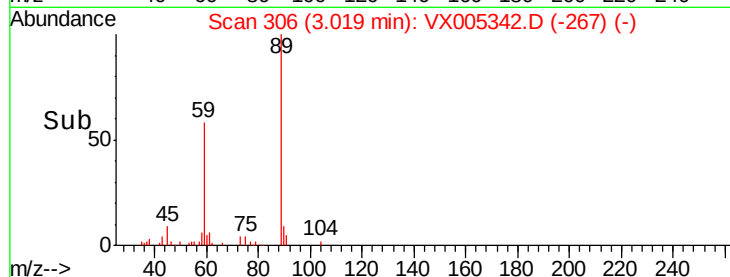
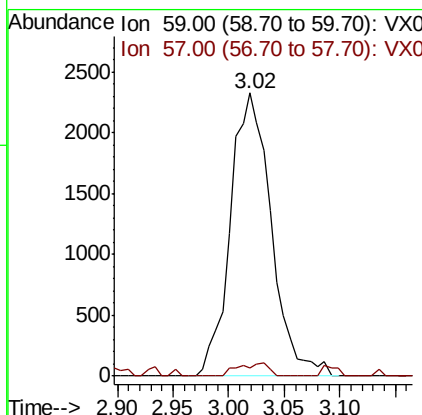
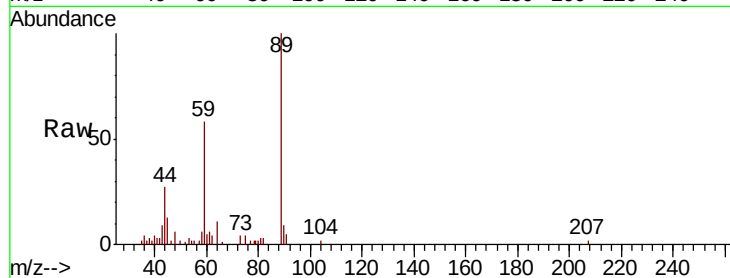


#11

Tert butyl alcohol
 Concen: 7.236 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX005342.D
 Acq: 15 Oct 2018 14:35

Instrument :
 MSVOA_X
 ClientSampled :

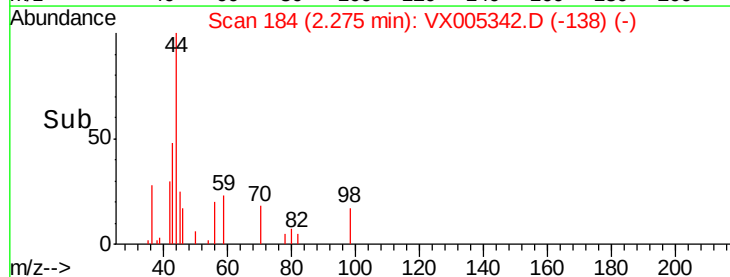
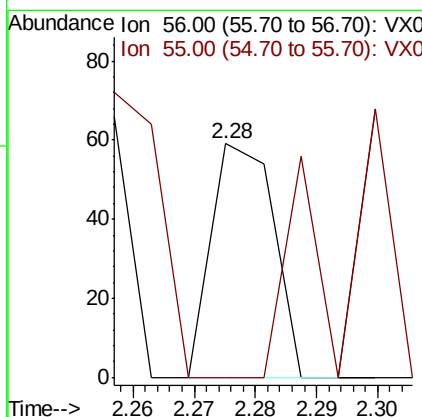
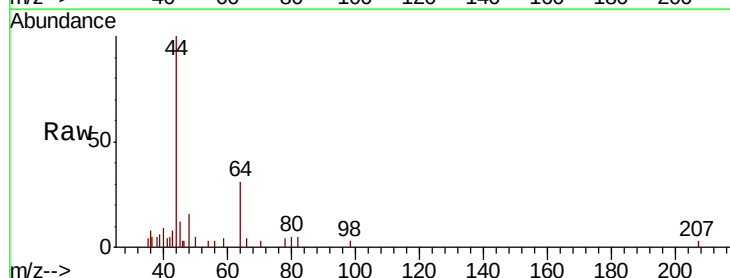
Tot Ion: 59 Resp: 5929
 Ion Ratio Lower Upper
 59 100
 57 3.4 8.2 12.4#

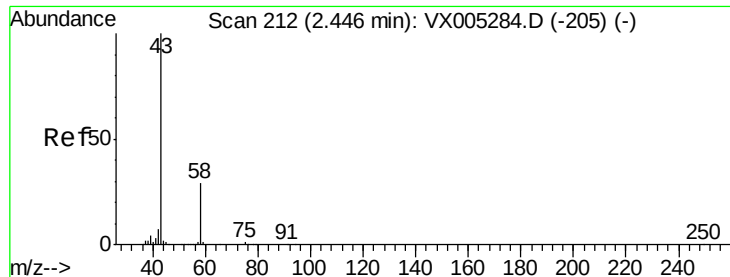


#13

Acrolein
 Concen: Below Cal
 RT: 2.28 min Scan# 184
 Delta R.T. -0.02 min
 Lab File: VX005342.D
 Acq: 15 Oct 2018 14:35

Tgt Ion: 56 Resp: 41
 Ion Ratio Lower Upper
 56 100
 55 48.8 54.7 82.1#





#16

Acetone

Concen: 0.277 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX005342.D

Acq: 15 Oct 2018 14:35

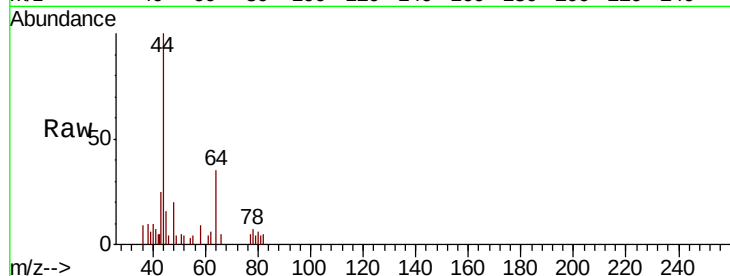
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 466

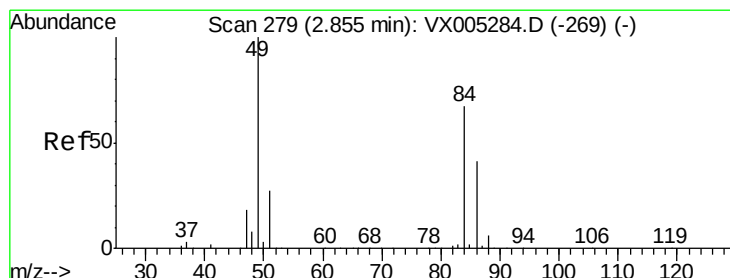
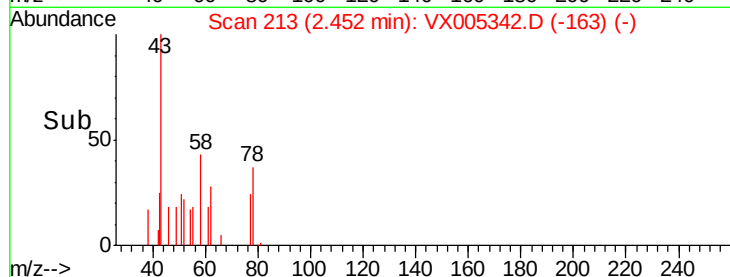
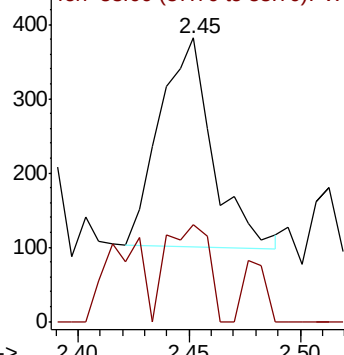
Ion Ratio Lower Upper

43 100

58 46.4 26.2 39.4#



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



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005342.D

Acq: 15 Oct 2018 14:35

Tgt Ion: 84 Resp: 600

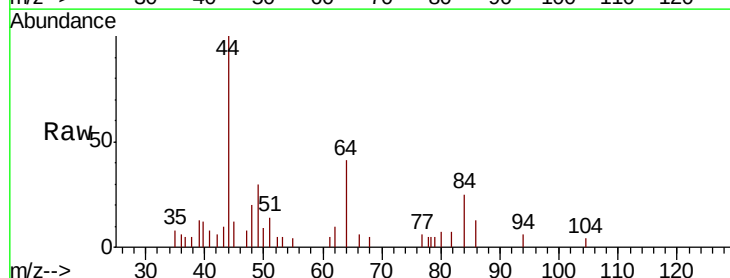
Ion Ratio Lower Upper

84 100

49 122.5 101.2 151.8

51 38.2 29.5 44.3

86 51.8 52.3 78.5#

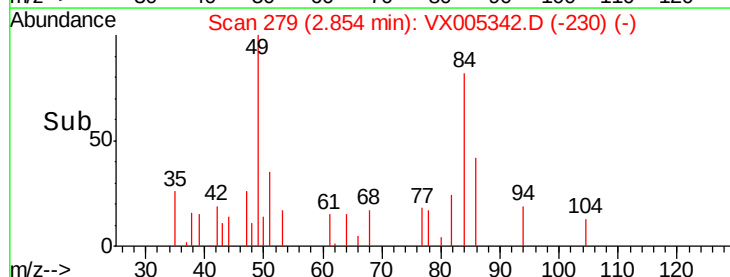
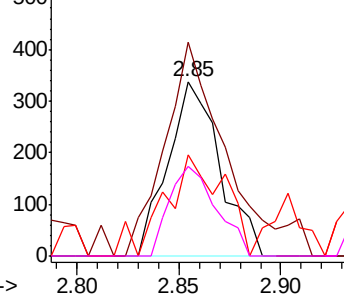


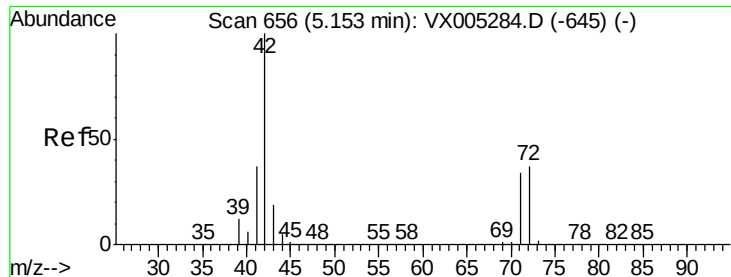
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

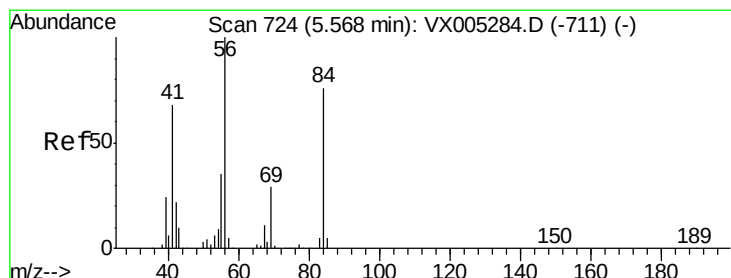
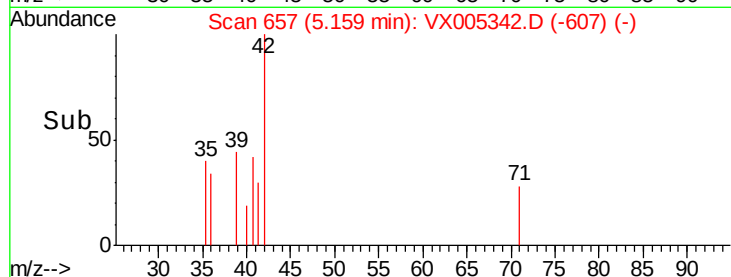
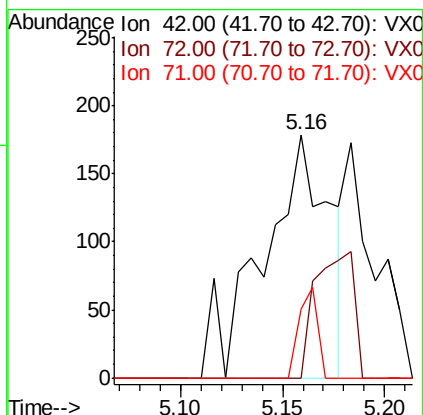
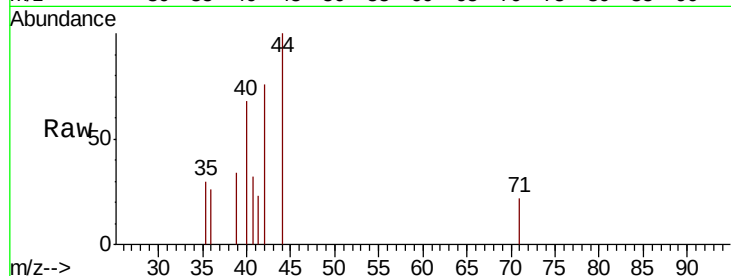




#29
Tetrahydrofuran
Concen: 0.258 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005342.D
Acq: 15 Oct 2018 14:35

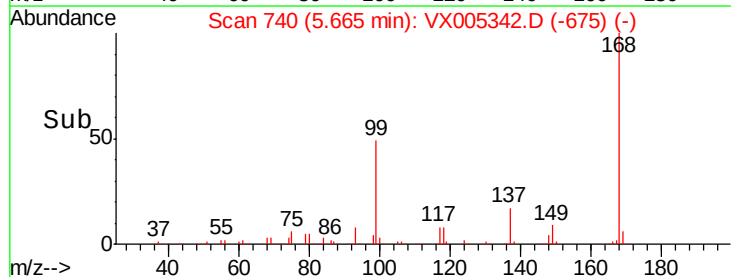
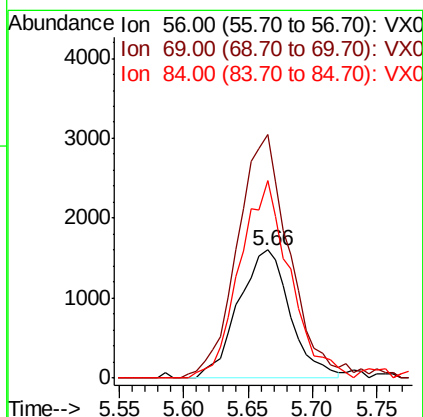
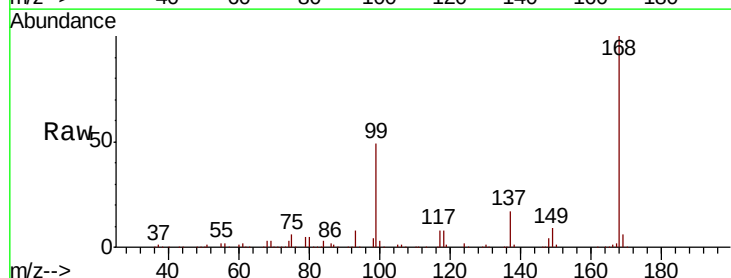
Instrument :
MSVOA_X
ClientSampleID :

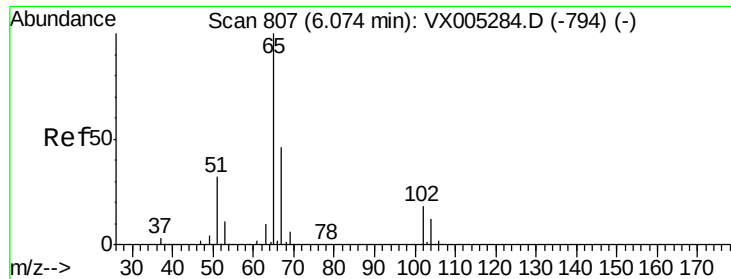
Tot Ion: 42 Resp: 405
Ion Ratio Lower Upper
42 100
72 0.0 37.4 56.0#
71 10.6 34.5 51.7#



#31
Cyclohexane
Concen: 1.117 ug/l
RT: 5.66 min Scan# 740
Delta R.T. 0.10 min
Lab File: VX005342.D
Acq: 15 Oct 2018 14:35

Tgt Ion: 56 Resp: 4460
Ion Ratio Lower Upper
56 100
69 186.5 25.4 38.2#
84 154.7 71.4 107.2#

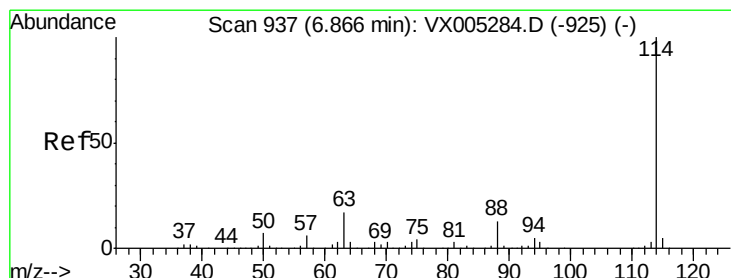
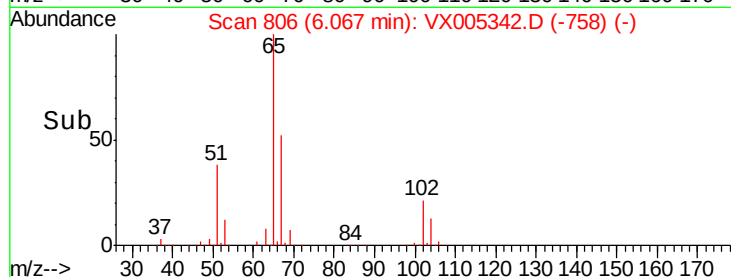
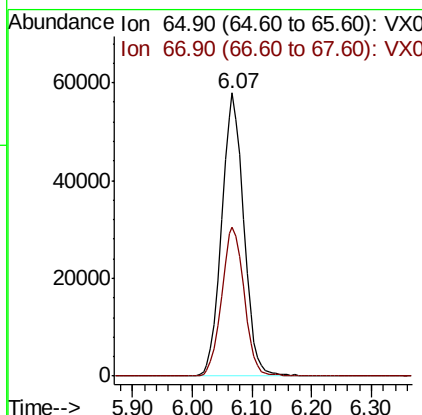
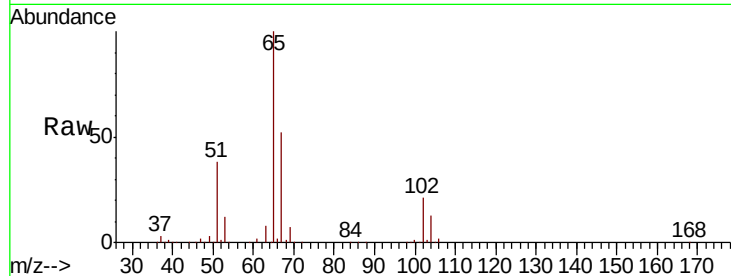




#33
 1,2-Dichloroethane-d4
 Concen: 51.469 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005342.D
 Acq: 15 Oct 2018 14:35

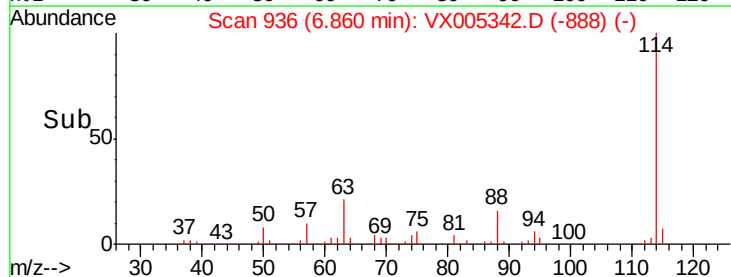
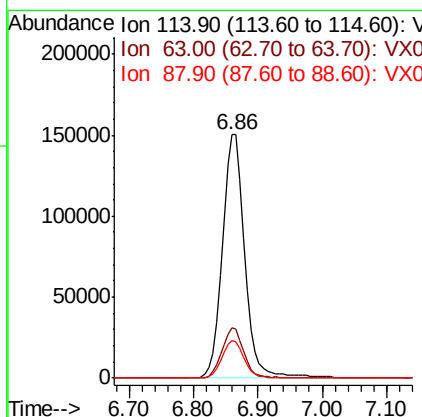
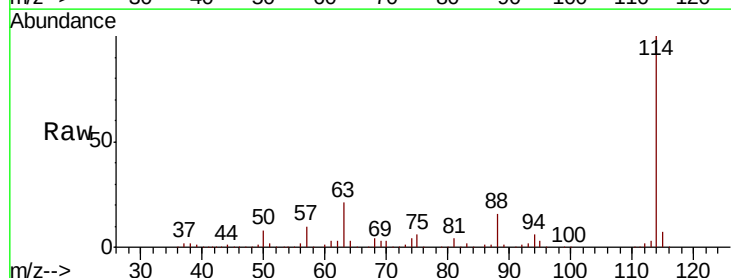
Instrument :
 MSVOA_X
 ClientSampleId :

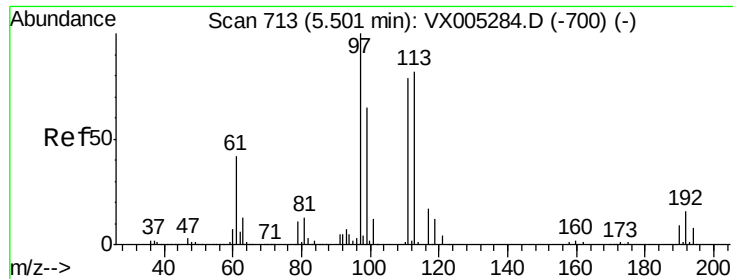
Tot Ion: 65 Resp: 149509
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005342.D
 Acq: 15 Oct 2018 14:35

Tgt Ion: 114 Resp: 369710
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 39.0
 88 15.6 0.0 30.4

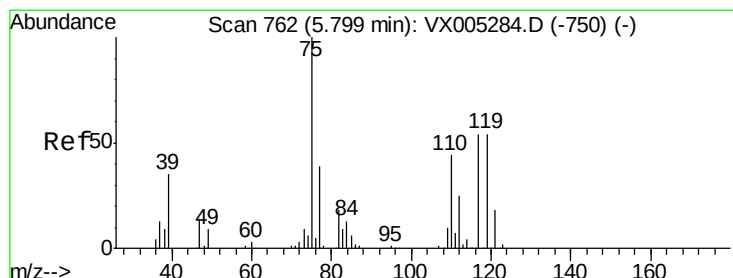
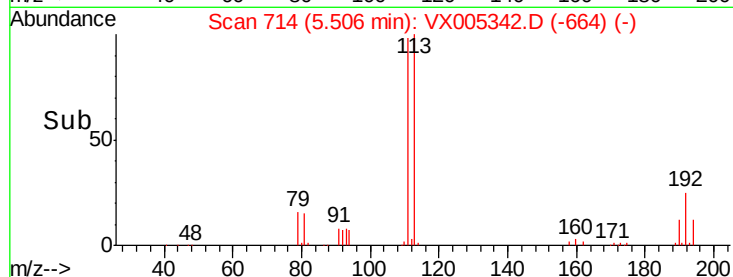
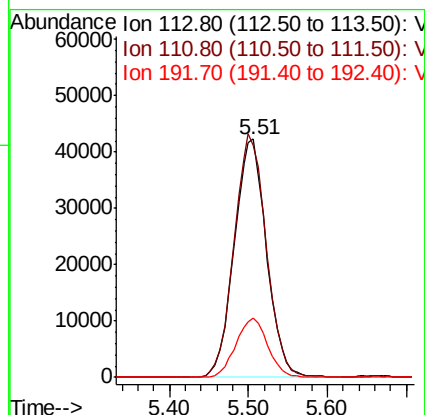
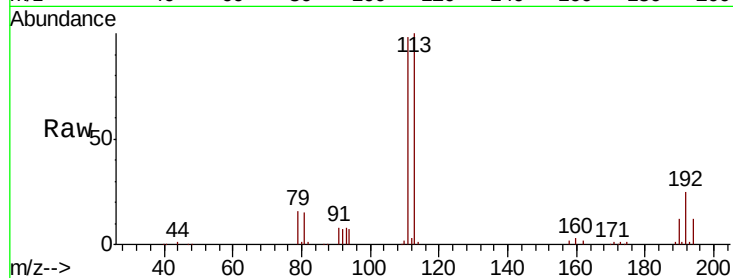




#35
Dibromofluoromethane
Concen: 49.051 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX005342.D
Acq: 15 Oct 2018 14:35

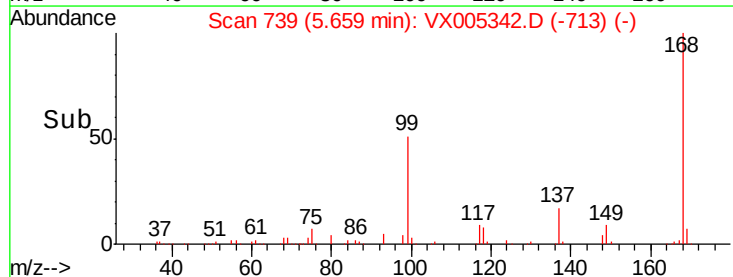
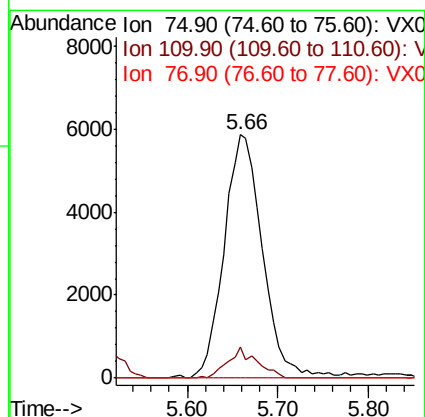
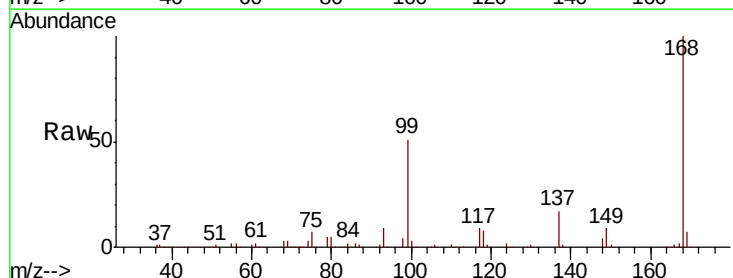
Instrument :
MSVOA_X
ClientSampled :

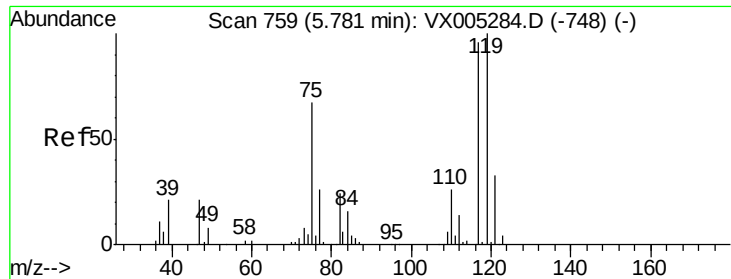
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.4	123.6
192	24.6	19.4	29.2



#36
1,1-Dichloropropene
Concen: 4.824 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX005342.D
Acq: 15 Oct 2018 14:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.0	54.0#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.409 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005342.D

Acq: 15 Oct 2018 14:35

Instrument :

MSVOA_X

ClientSampled :

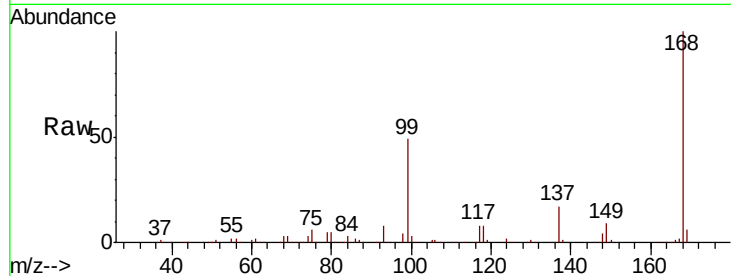
Tot Ion:117 Resp: 23059

Ion Ratio Lower Upper

117 100

119 9.1 78.8 118.2#

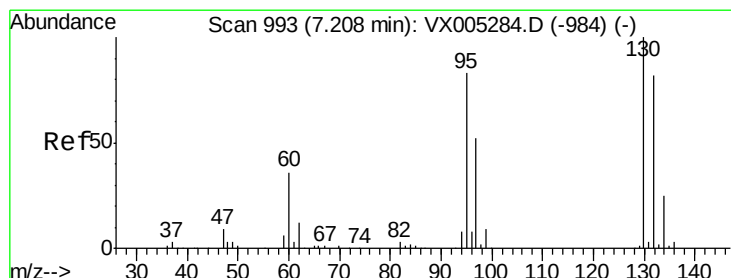
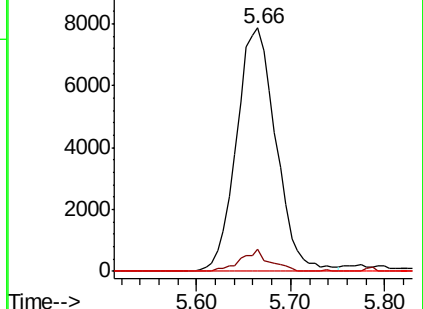
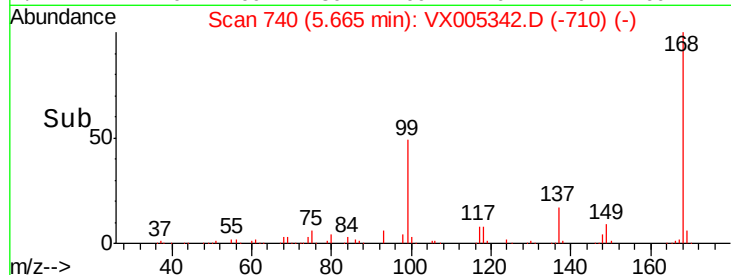
121 0.0 24.9 37.3#



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: 43.108 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005342.D

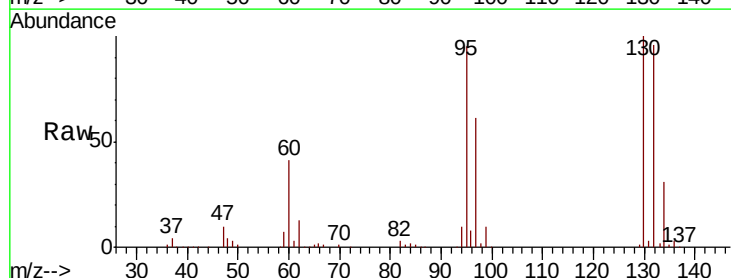
Acq: 15 Oct 2018 14:35

Tgt Ion:130 Resp: 118462

Ion Ratio Lower Upper

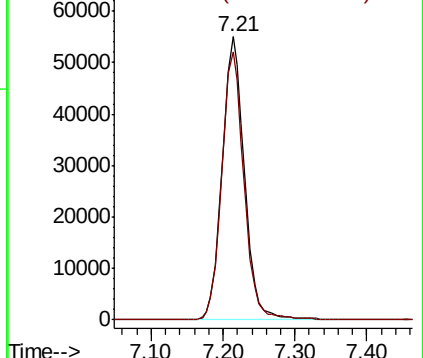
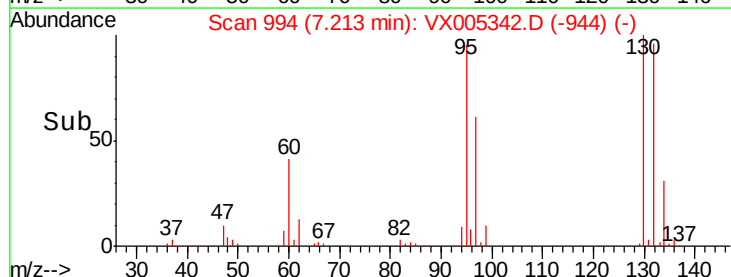
130 100

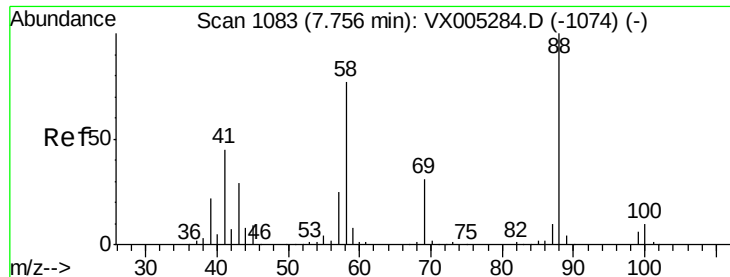
95 94.8 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

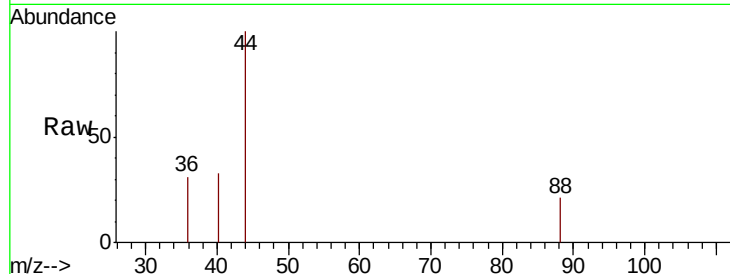




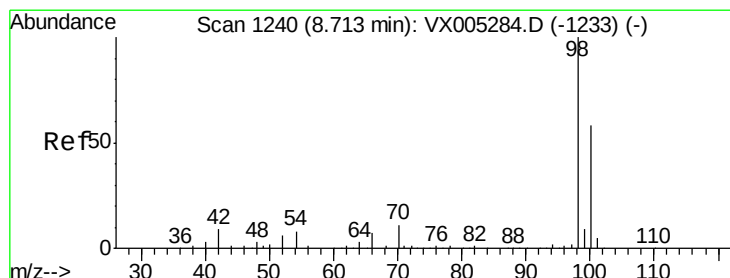
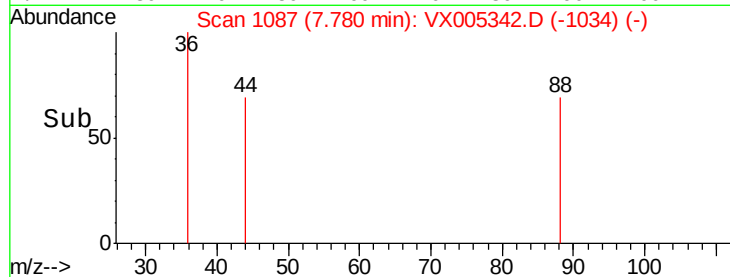
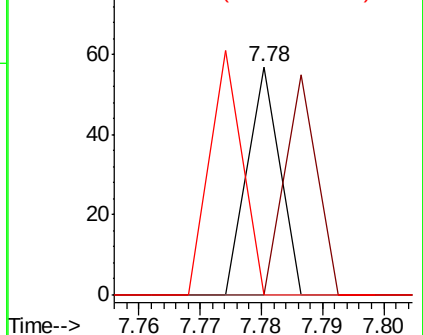
#49
 1,4-Dioxane
 Concen: 0.286 ug/l
 RT: 7.78 min Scan# 1087
 Delta R.T. 0.02 min
 Lab File: VX005342.D
 Acq: 15 Oct 2018 14:35

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 88 Resp: 21
 Ion Ratio Lower Upper
 88 100
 43 95.2 24.7 37.1#
 58 104.8 55.3 82.9#

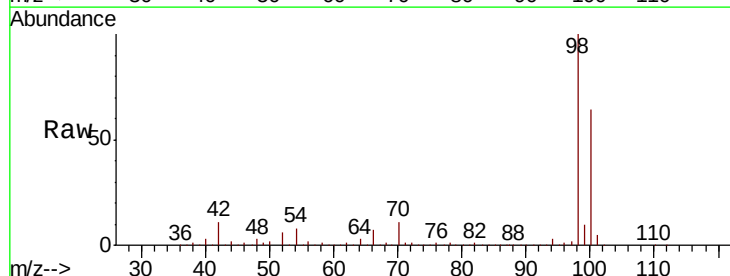


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

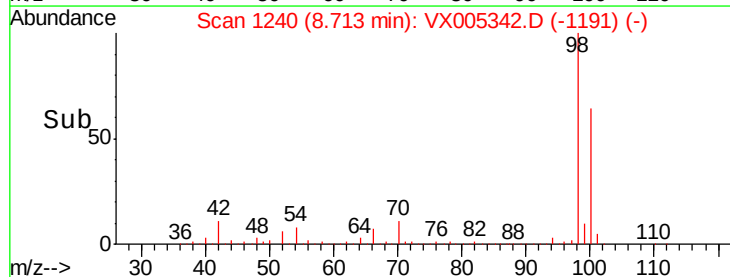
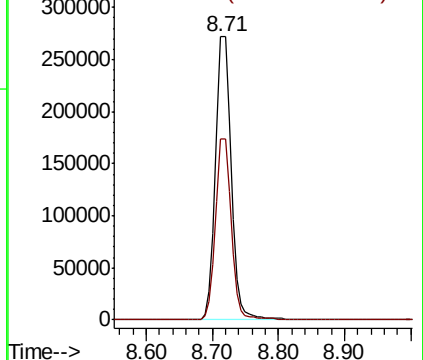


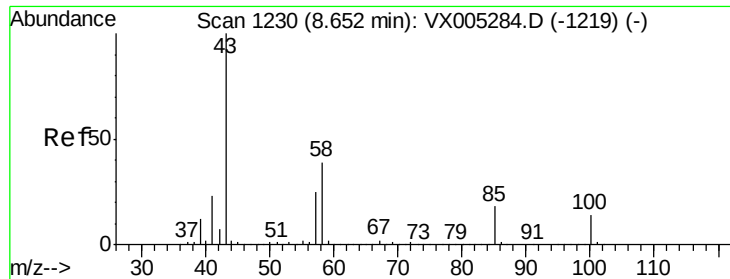
#50
 Toluene-d8
 Concen: 53.206 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX005342.D
 Acq: 15 Oct 2018 14:35

Tgt Ion: 98 Resp: 447277
 Ion Ratio Lower Upper
 98 100
 100 64.0 52.9 79.3



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: 0.446 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX005342.D

Acq: 15 Oct 2018 14:35

Instrument :

MSVOA_X

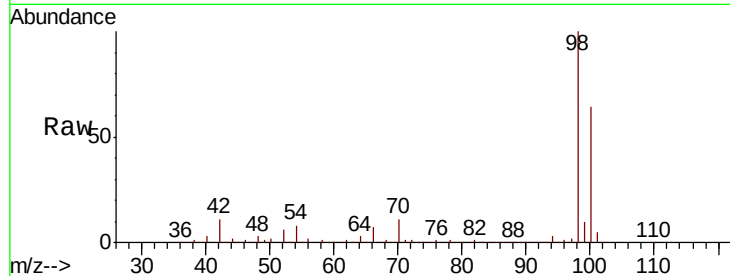
ClientSampled :

Tot Ion: 43 Resp: 1894

Ion Ratio Lower Upper

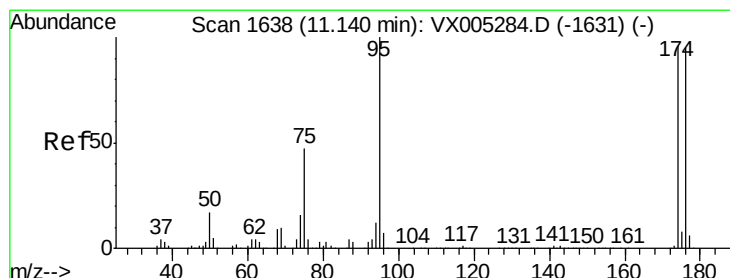
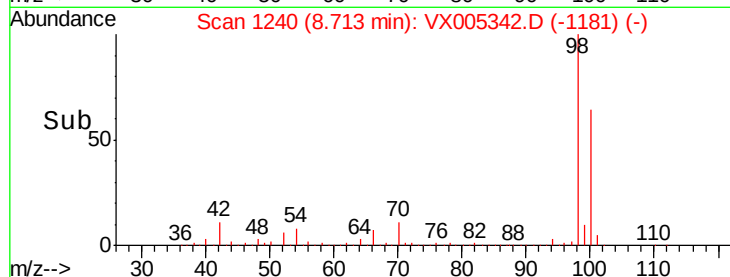
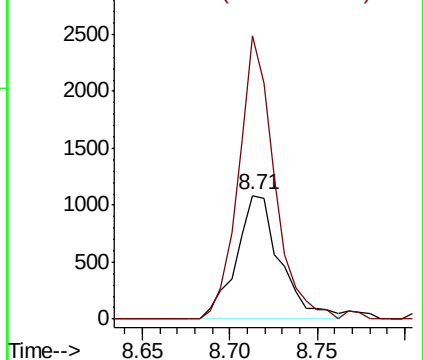
43 100

58 186.4 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.979 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005342.D

Acq: 15 Oct 2018 14:35

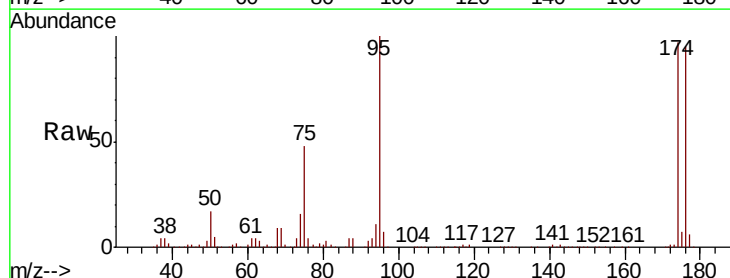
Tgt Ion: 95 Resp: 148360

Ion Ratio Lower Upper

95 100

174 96.4 0.0 185.2

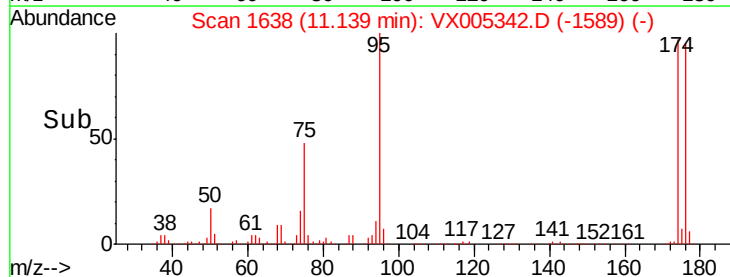
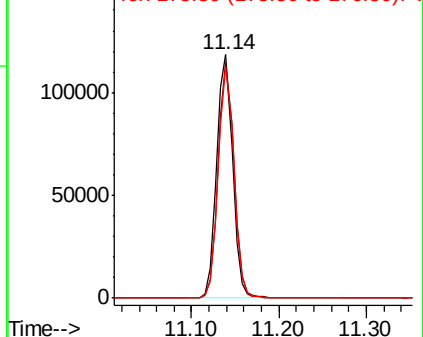
176 93.4 0.0 178.6

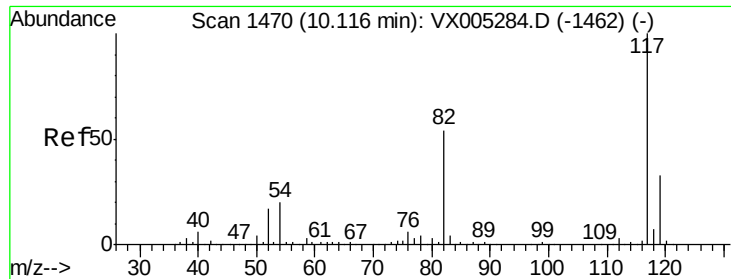


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

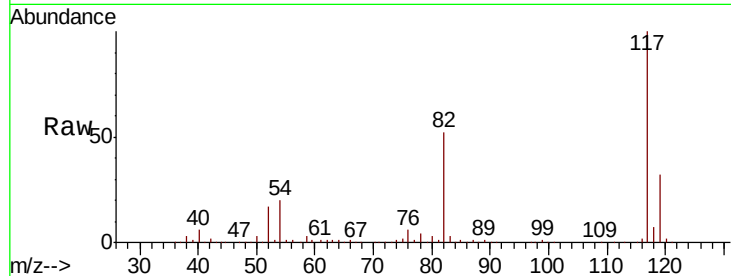




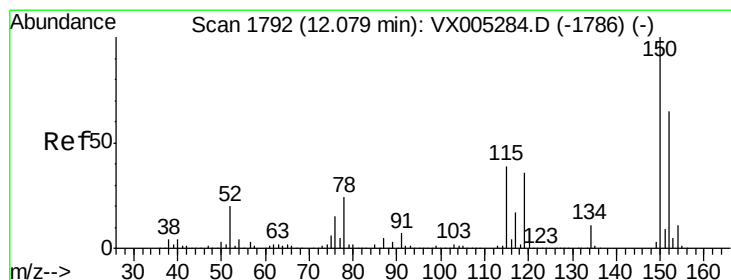
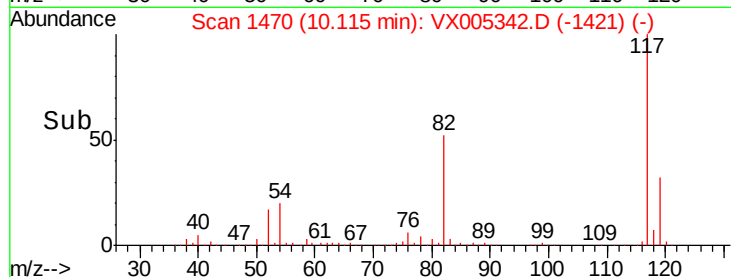
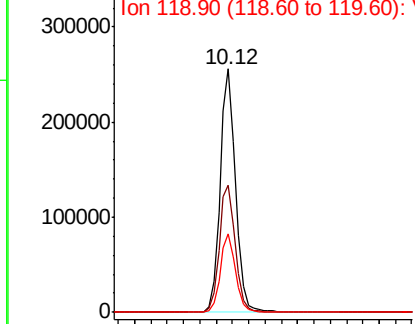
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005342.D
Acq: 15 Oct 2018 14:35

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 338465
Ion Ratio Lower Upper
117 100
82 52.3 47.8 71.6
119 32.4 29.3 43.9

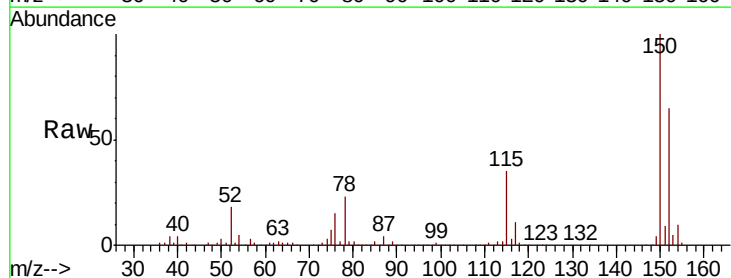


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

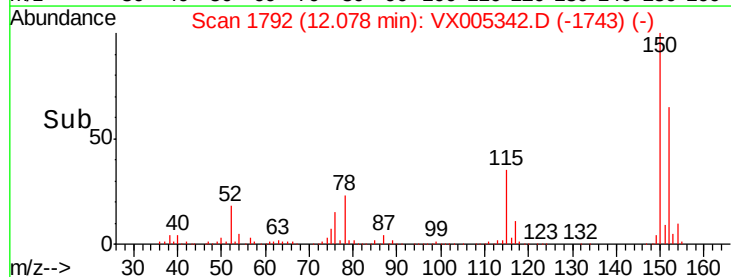
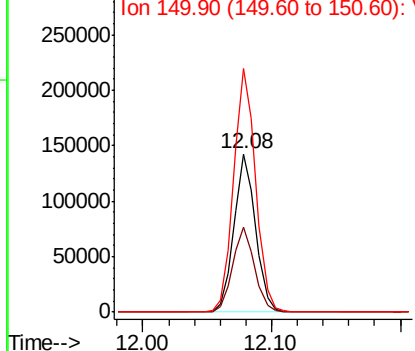


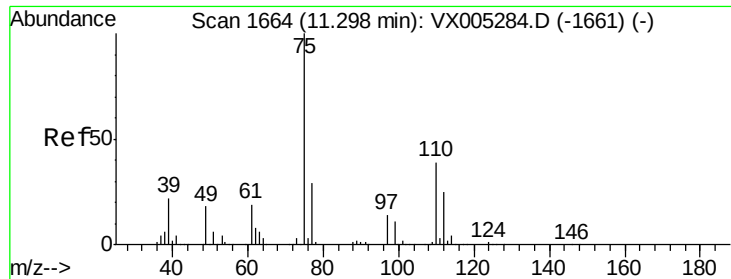
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005342.D
Acq: 15 Oct 2018 14:35

Tgt Ion:152 Resp: 167236
Ion Ratio Lower Upper
152 100
115 54.5 39.0 117.0
150 156.9 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: 22.472 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005342.D

Acq: 15 Oct 2018 14:35

Instrument :

MSVOA_X

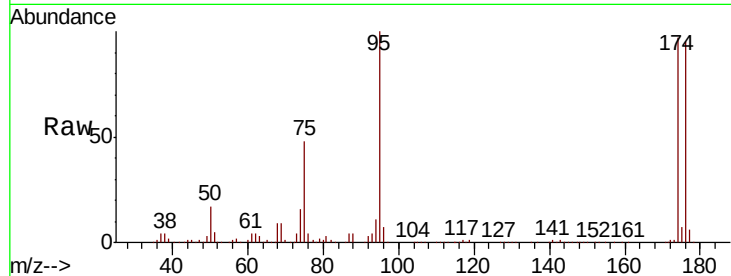
ClientSampleId :

Tot Ion: 75 Resp: 72897

Ion Ratio Lower Upper

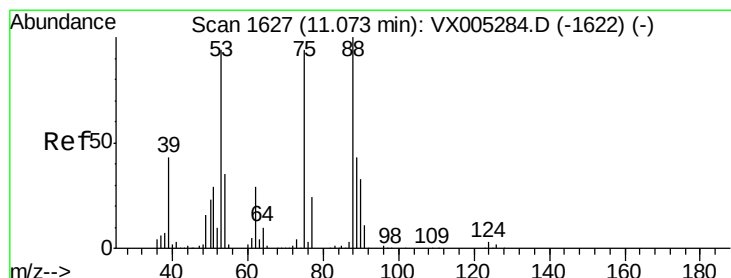
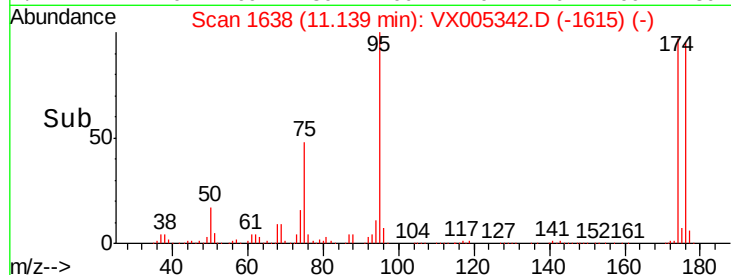
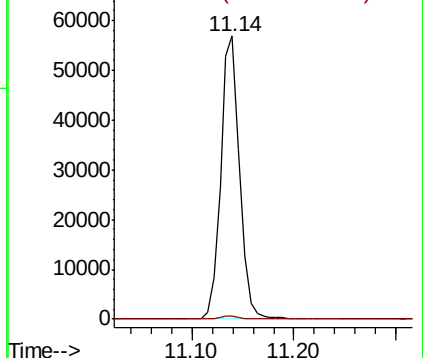
75 100

77 1.3 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: 68.281 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005342.D

Acq: 15 Oct 2018 14:35

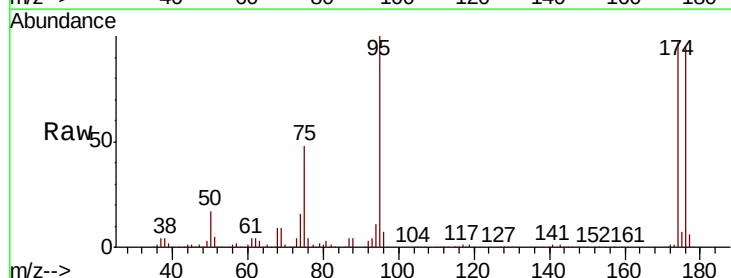
Tgt Ion: 75 Resp: 72897

Ion Ratio Lower Upper

75 100

53 0.3 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

