

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101518\
 Data File : VX005343.D
 Acq On : 15 Oct 2018 15:01
 Operator : JC/MD
 Sample : J5393-03DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 16 03:36:33 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	260264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	372825	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	338357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	164878	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	149743	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
35) Dibromofluoromethane	5.50	113	120922	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
50) Toluene-d8	8.71	98	448153	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	
62) 4-Bromofluorobenzene	11.14	95	147297	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	

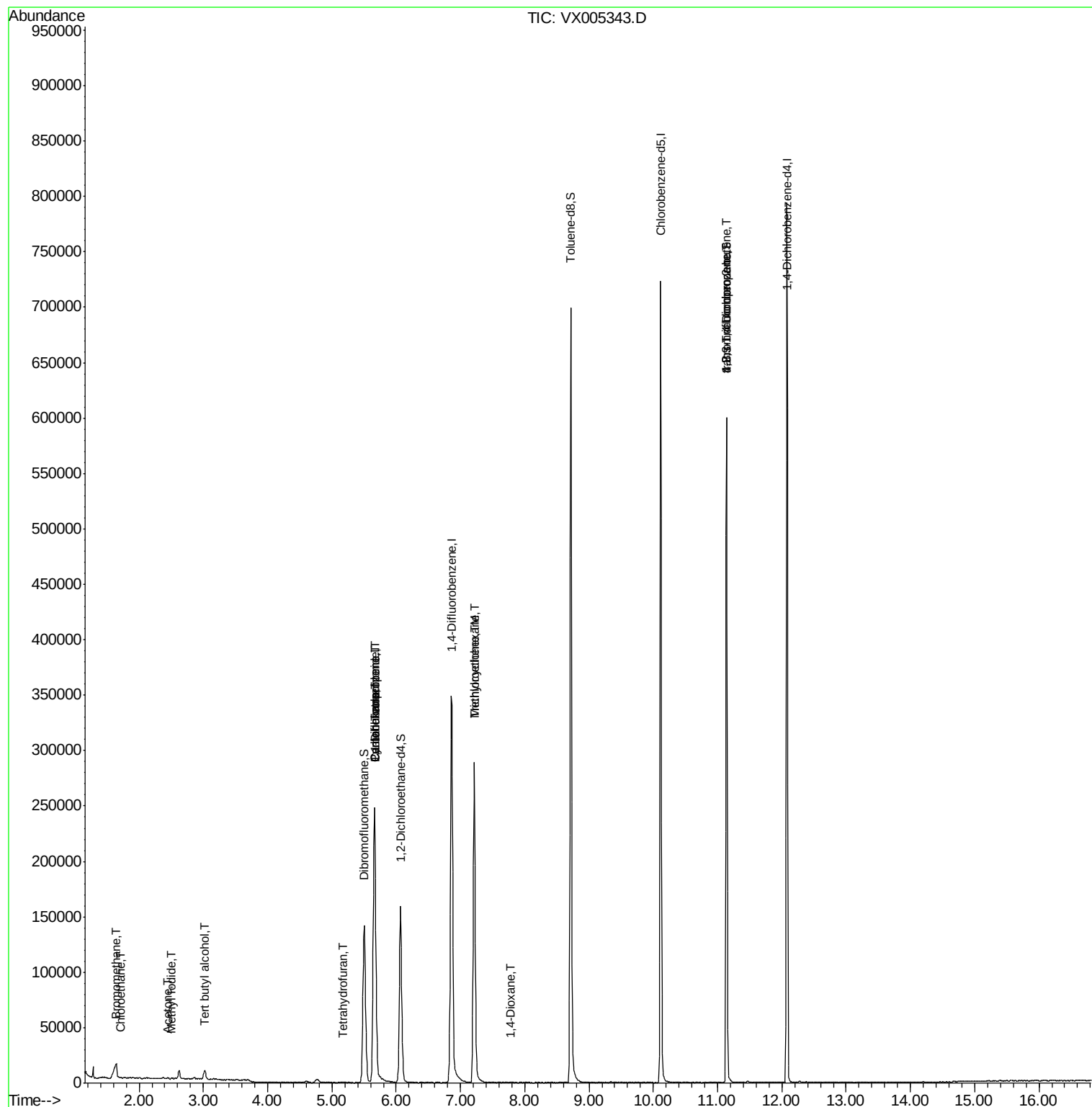
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	726	1.010	ug/l #	73
6) Chloroethane	1.71	64	211	0.443	ug/l	99
10) Methyl Iodide	2.51	142	310	2.606	ug/l #	89
11) Tert butyl alcohol	3.02	59	4841	5.941	ug/l #	74
13) Acrolein	2.28	56	46	Below Cal	#	1
16) Acetone	2.45	43	895	0.536	ug/l	91
20) Methylene Chloride	2.86	84	598	Below Cal	#	88
29) Tetrahydrofuran	5.16	42	516	0.331	ug/l #	44
31) Cyclohexane	5.66	56	4663	1.174	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17321	4.797	ug/l #	49
38) Carbon Tetrachloride	5.66	117	23060	6.356	ug/l #	15
39) Methylcyclohexane	7.21	83	1474	0.377	ug/l #	1
44) Trichloroethene	7.21	130	118660	42.815	ug/l	93
49) 1,4-Dioxane	7.77	88	38	0.514	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	72098	22.544	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	72098	68.498	ug/l #	10

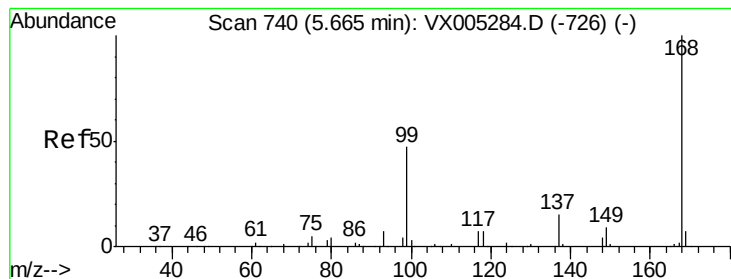
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101518\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005343.D

Acq: 15 Oct 2018 15:01

Instrument :

MSVOA_X

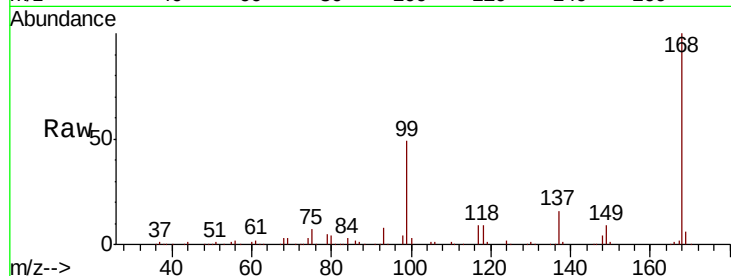
ClientSampled :

Tot Ion:168 Resp: 260264

Ion Ratio Lower Upper

168 100

99 48.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

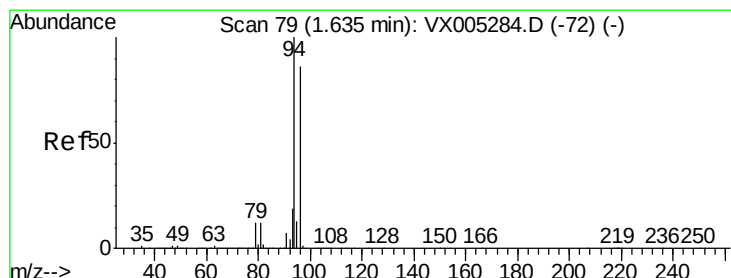
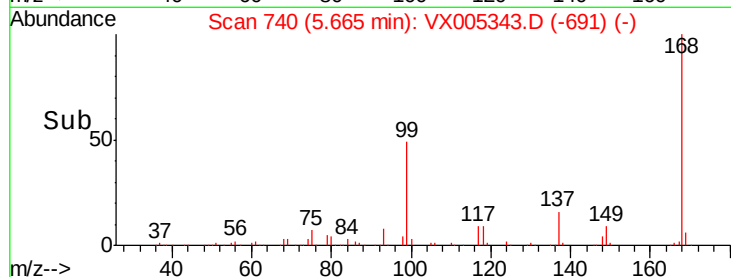
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 1.010 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005343.D

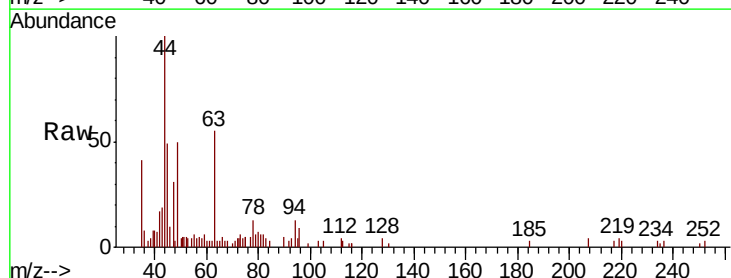
Acq: 15 Oct 2018 15:01

Tgt Ion: 94 Resp: 726

Ion Ratio Lower Upper

94 100

96 67.2 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

400

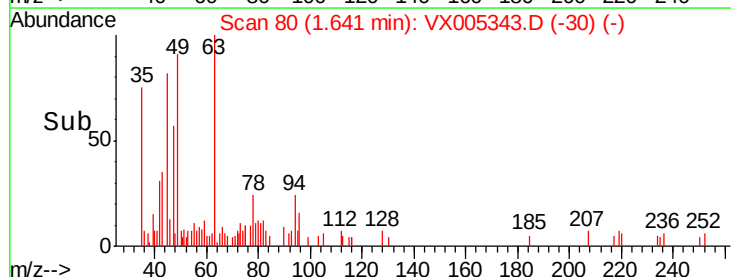
300

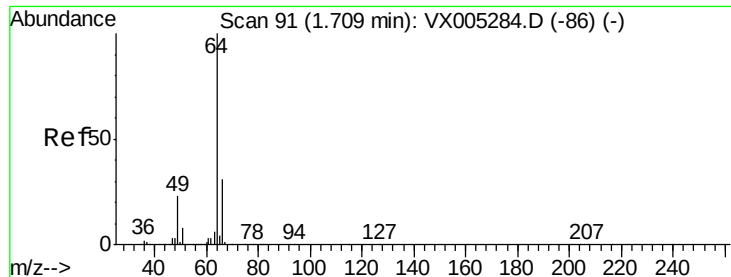
200

100

0

Time-->





#6

Chloroethane

Concen: 0.443 ug/l

RT: 1.71 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX005343.D

Acq: 15 Oct 2018 15:01

Instrument :

MSVOA_X

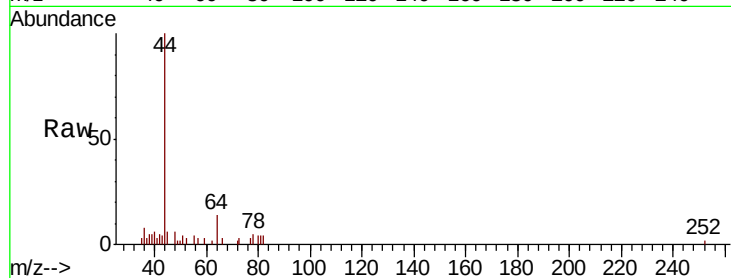
ClientSampleId :

Tot Ion: 64 Resp: 211

Ion Ratio Lower Upper

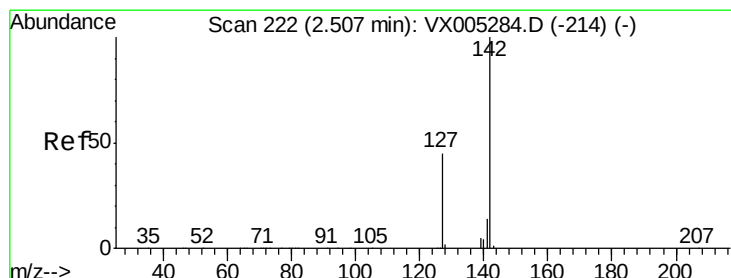
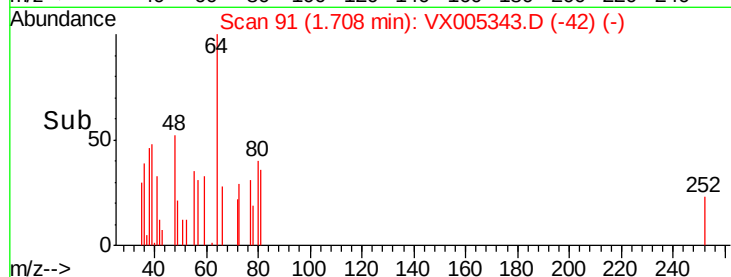
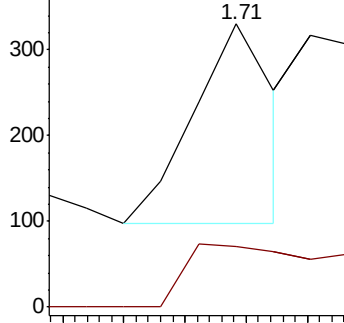
64 100

66 30.2 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: 2.606 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX005343.D

Acq: 15 Oct 2018 15:01

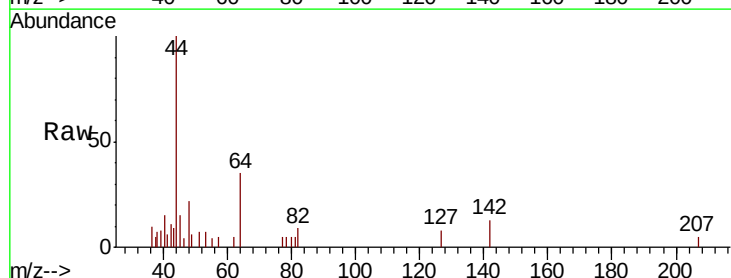
Tgt Ion: 142 Resp: 310

Ion Ratio Lower Upper

142 100

127 40.3 33.8 50.6

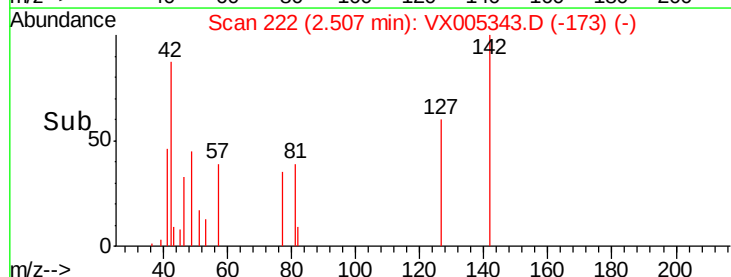
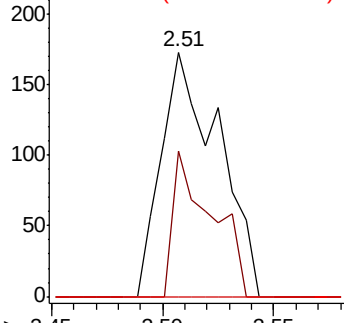
141 0.0 11.4 17.0#

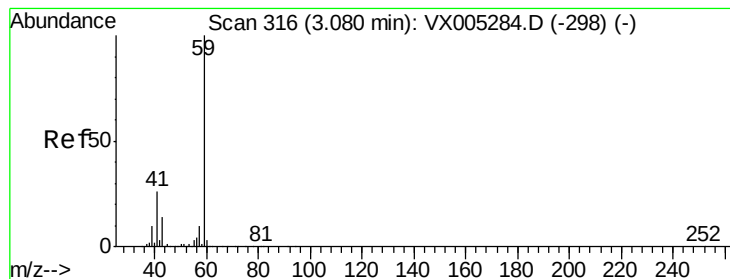


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



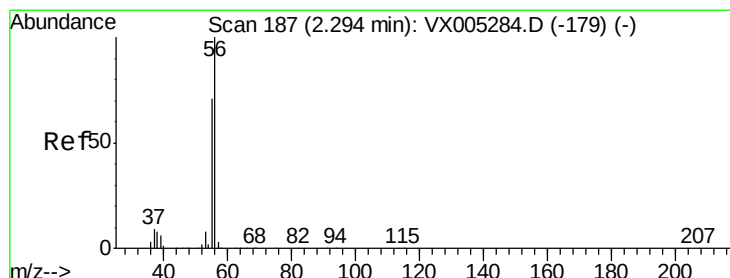
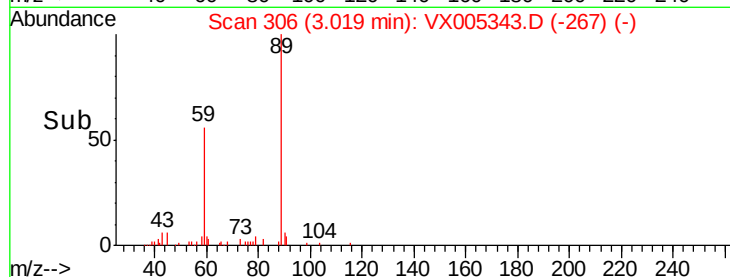
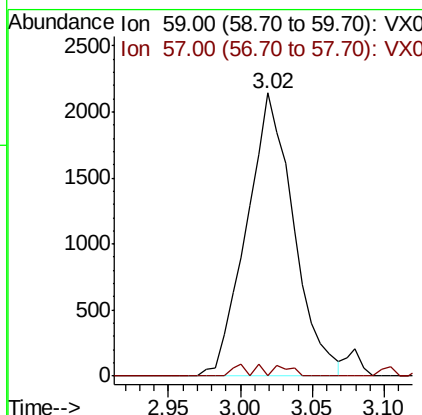
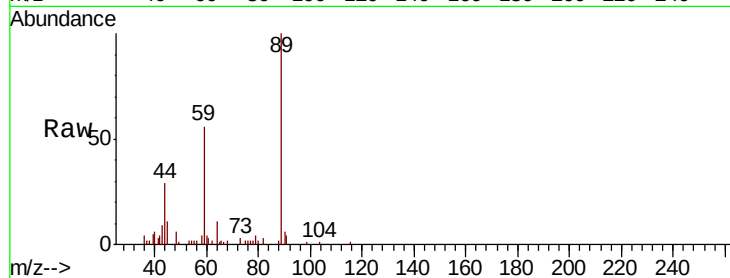


#11

Tert butyl alcohol
 Concen: 5.941 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX005343.D
 Acq: 15 Oct 2018 15:01

Instrument :
 MSVOA_X
 ClientSampled :

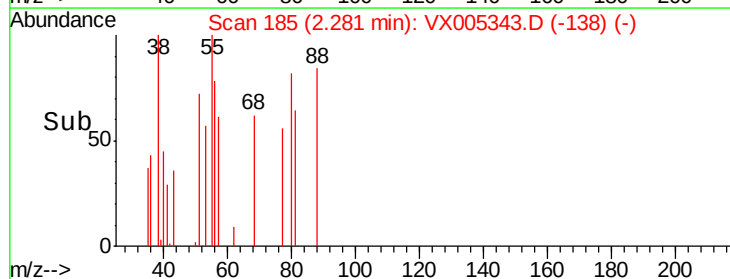
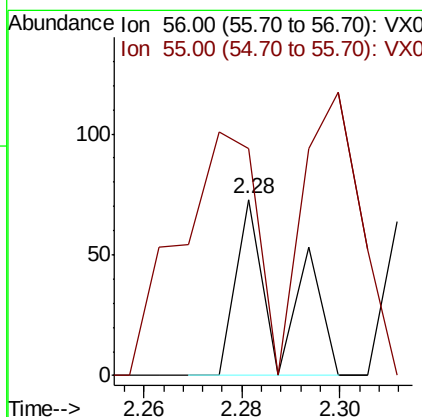
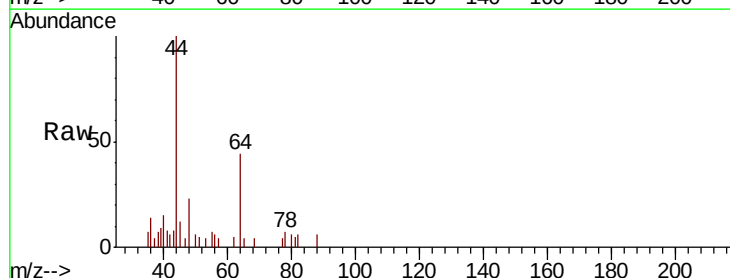
Tot Ion: 59 Resp: 4841
 Ion Ratio Lower Upper
 59 100
 57 0.7 8.2 12.4#

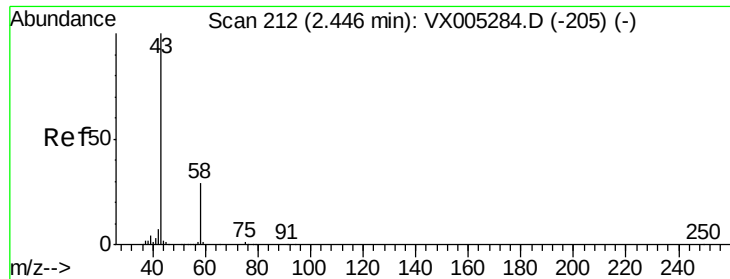


#13

Acrolein
 Concen: Below Cal
 RT: 2.28 min Scan# 185
 Delta R.T. -0.01 min
 Lab File: VX005343.D
 Acq: 15 Oct 2018 15:01

Tgt Ion: 56 Resp: 46
 Ion Ratio Lower Upper
 56 100
 55 239.1 54.7 82.1#





#16

Acetone

Concen: 0.536 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX005343.D

Acq: 15 Oct 2018 15:01

Instrument :

MSVOA_X

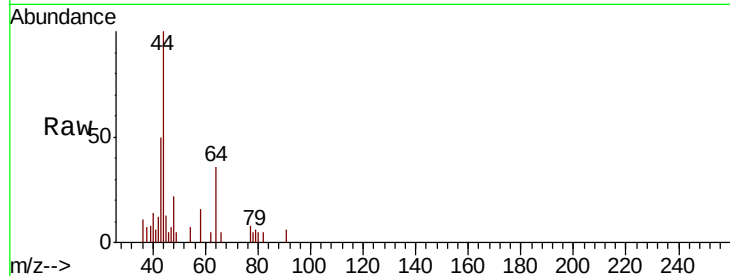
ClientSampleId :

Tot Ion: 43 Resp: 895

Ion Ratio Lower Upper

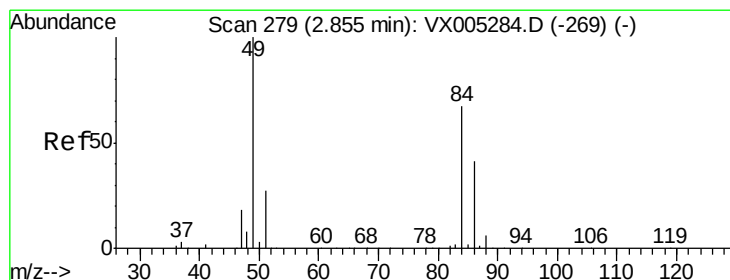
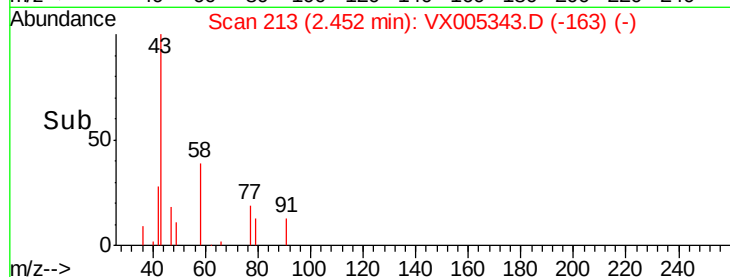
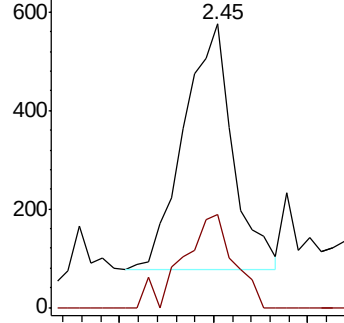
43 100

58 38.2 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: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005343.D

Acq: 15 Oct 2018 15:01

Tgt Ion: 84 Resp: 598

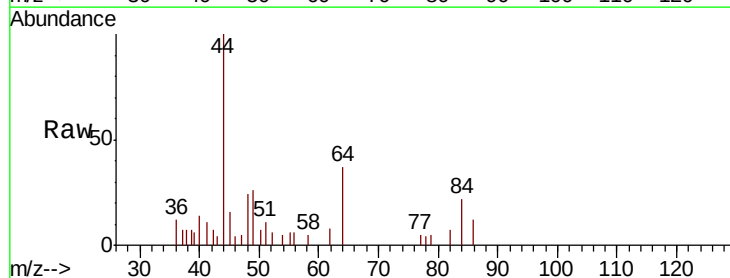
Ion Ratio Lower Upper

84 100

49 115.8 101.2 151.8

51 47.8 29.5 44.3#

86 55.1 52.3 78.5

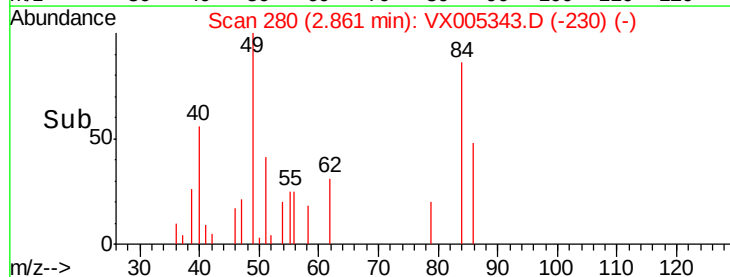
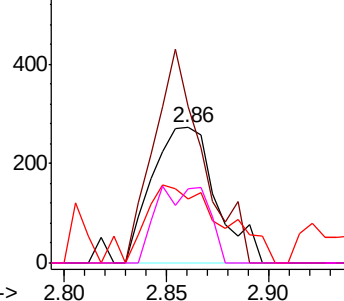


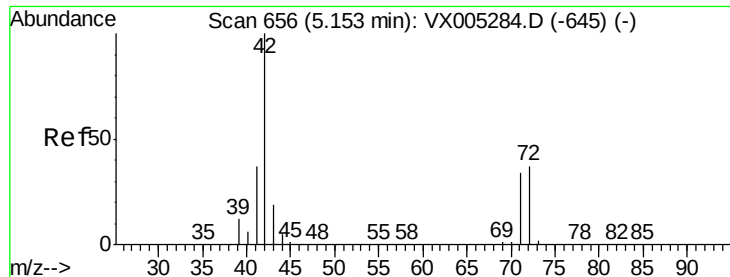
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

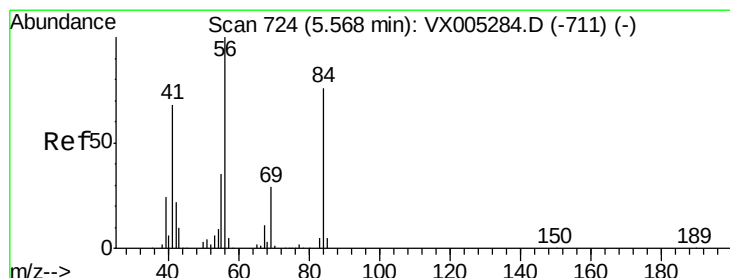
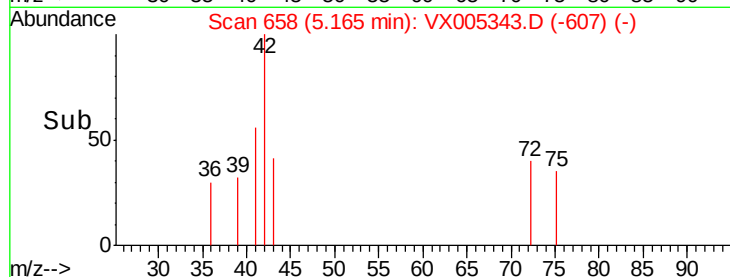
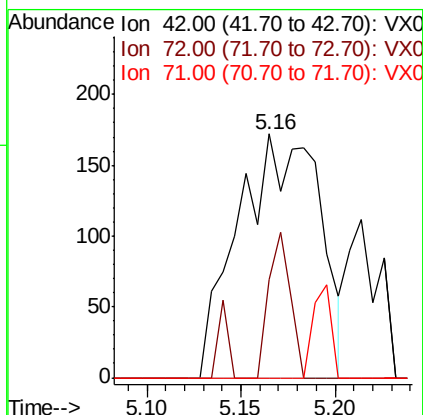
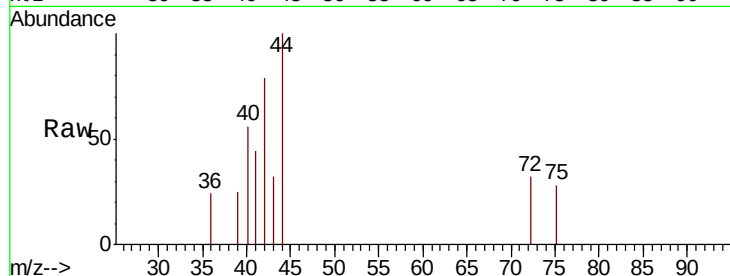




#29
Tetrahydrofuran
Concen: 0.331 ug/l
RT: 5.16 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX005343.D
Acq: 15 Oct 2018 15:01

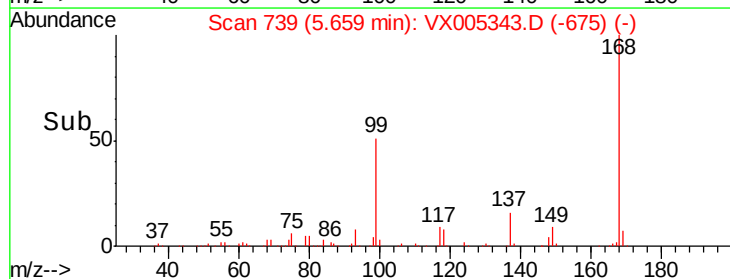
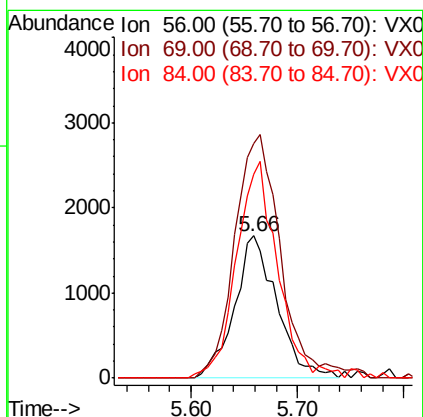
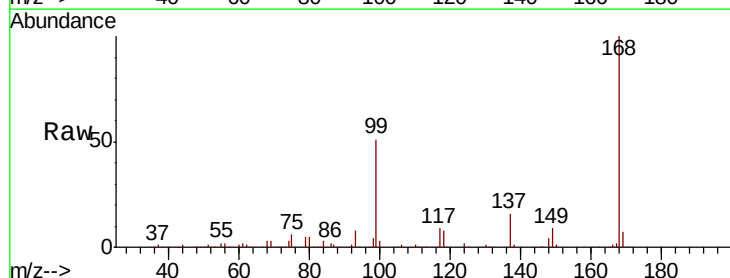
Instrument :
MSVOA_X
ClientSampleId :

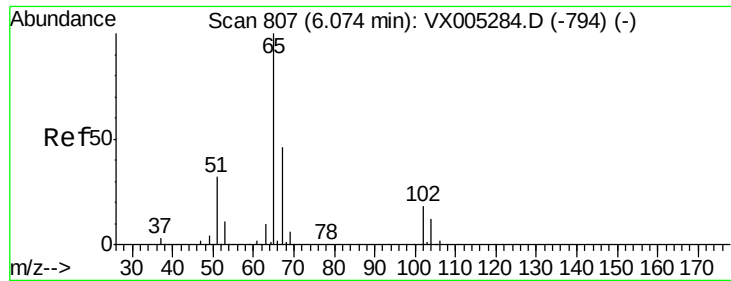
Tot Ion: 42 Resp: 516
Ion Ratio Lower Upper
42 100
72 15.9 37.4 56.0#
71 0.0 34.5 51.7#



#31
Cyclohexane
Concen: 1.174 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005343.D
Acq: 15 Oct 2018 15:01

Tgt Ion: 56 Resp: 4663
Ion Ratio Lower Upper
56 100
69 165.4 25.4 38.2#
84 143.6 71.4 107.2#

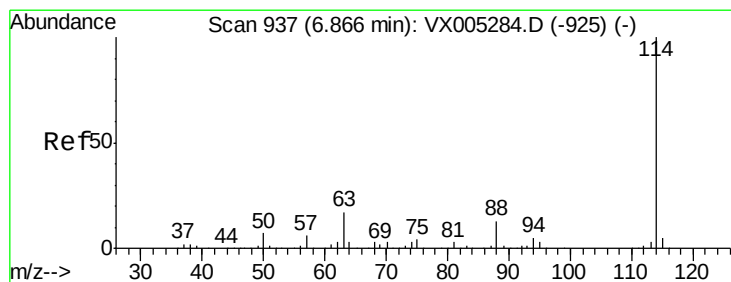
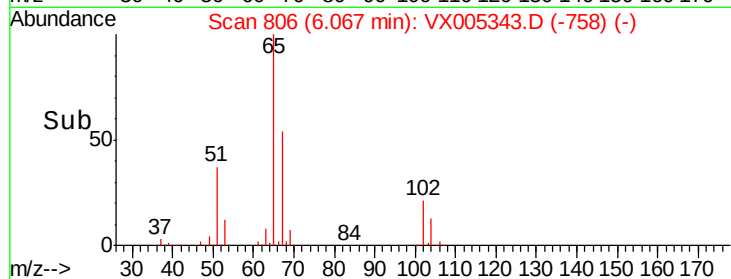
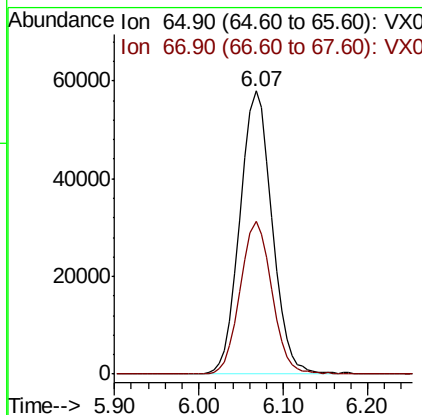
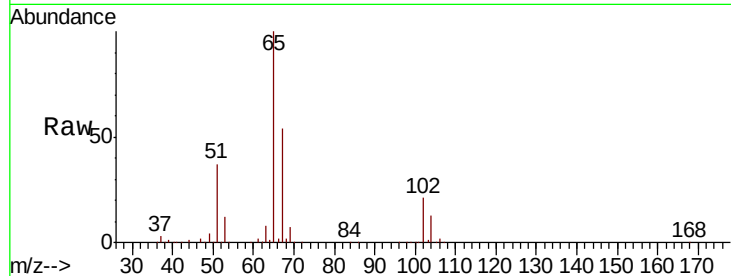




#33
 1,2-Dichloroethane-d4
 Concen: 51.840 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005343.D
 Acq: 15 Oct 2018 15:01

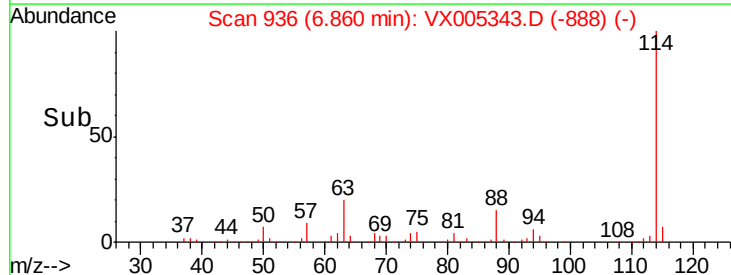
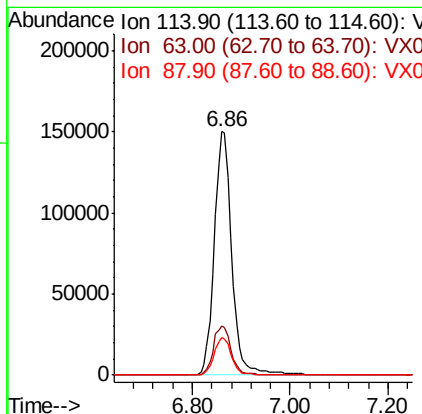
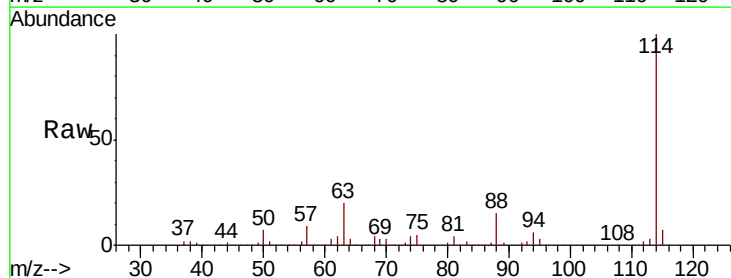
Instrument :
 MSVOA_X
 ClientSampleId :

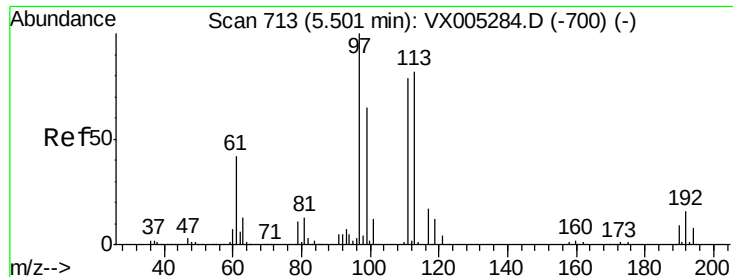
Tot Ion: 65 Resp: 149743
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005343.D
 Acq: 15 Oct 2018 15:01

Tgt Ion: 114 Resp: 372825
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.0
 88 15.4 0.0 30.4

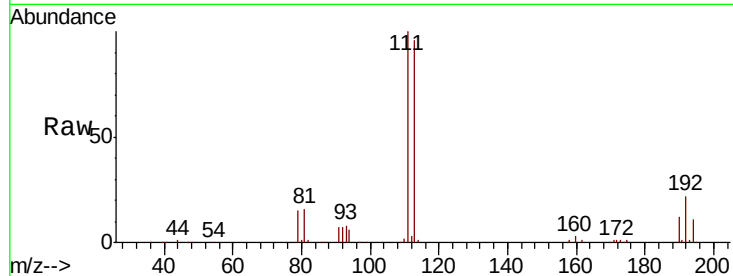




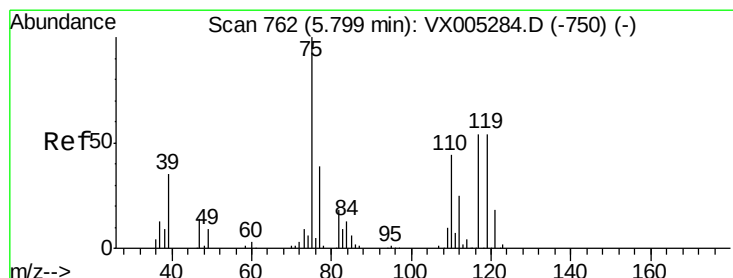
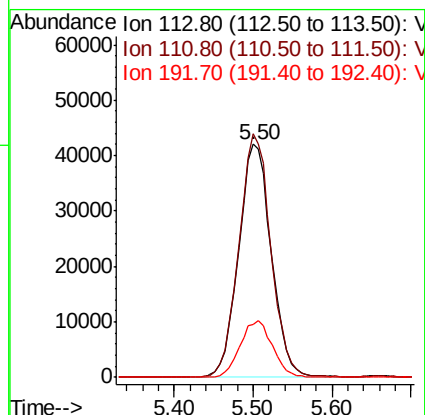
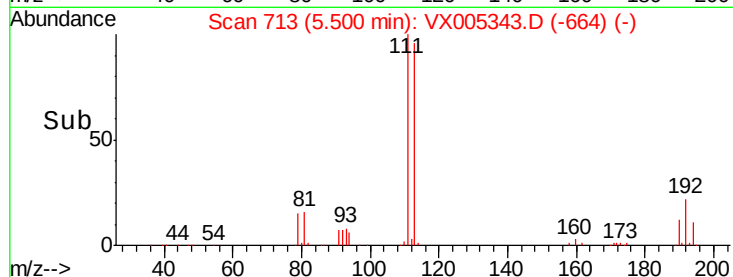
#35
 Dibromofluoromethane
 Concen: 48.970 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005343.D
 Acq: 15 Oct 2018 15:01

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:113 Resp: 120922
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.4 123.6
 192 24.2 19.4 29.2

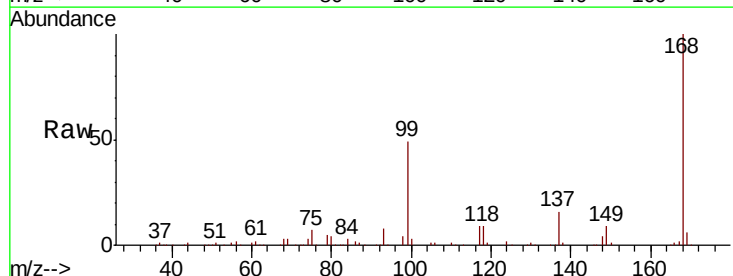


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

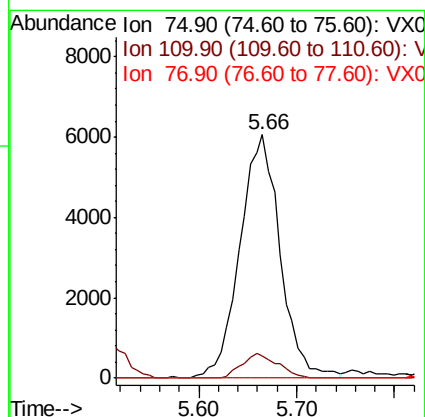
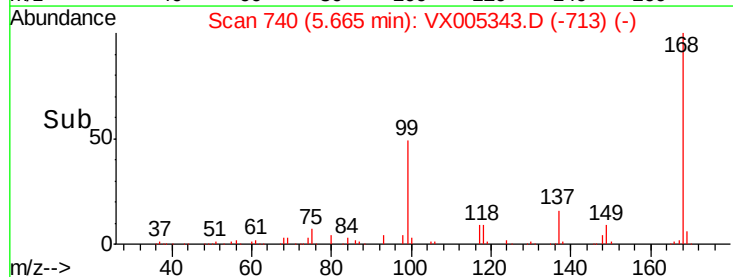


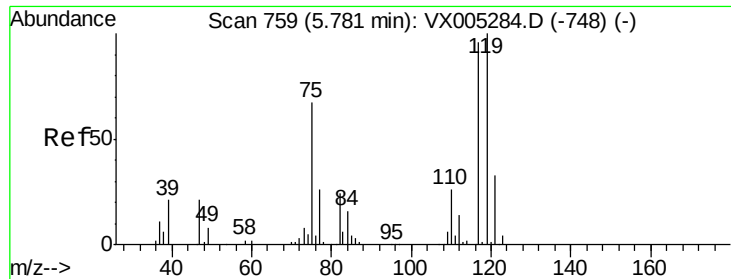
#36
 1,1-Dichloropropene
 Concen: 4.797 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005343.D
 Acq: 15 Oct 2018 15:01

Tgt Ion: 75 Resp: 17321
 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: 6.356 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005343.D

Acq: 15 Oct 2018 15:01

Instrument :

MSVOA_X

ClientSampleId :

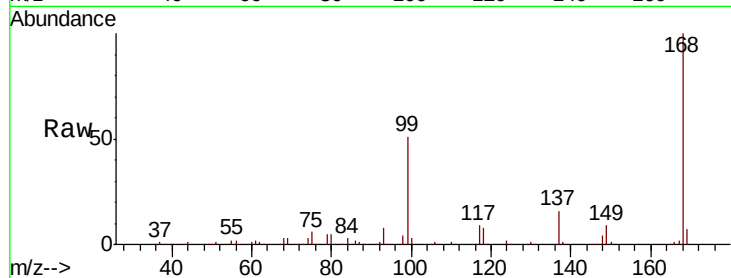
Tot Ion:117 Resp: 23060

Ion Ratio Lower Upper

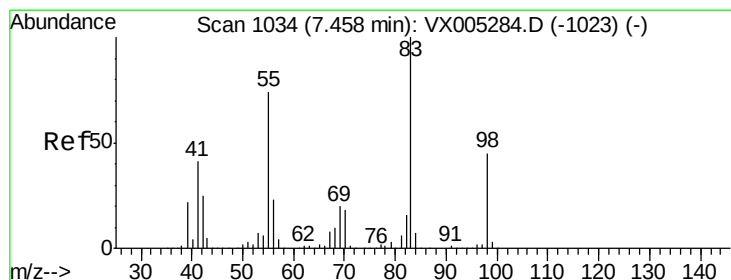
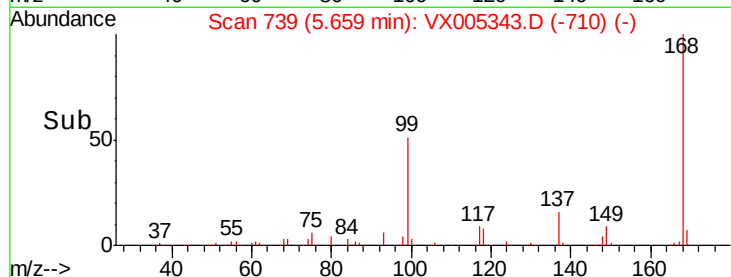
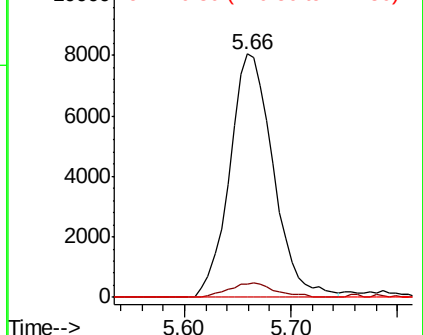
117 100

119 5.4 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



#39

Methylcyclohexane

Concen: 0.377 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.25 min

Lab File: VX005343.D

Acq: 15 Oct 2018 15:01

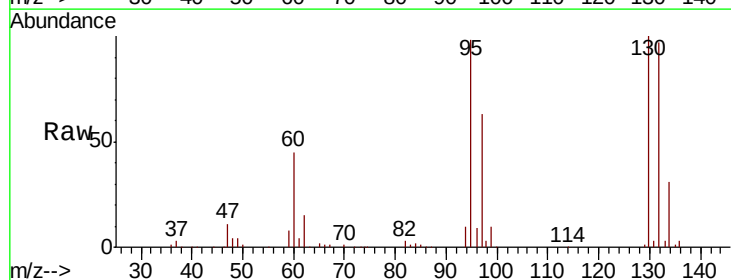
Tgt Ion: 83 Resp: 1474

Ion Ratio Lower Upper

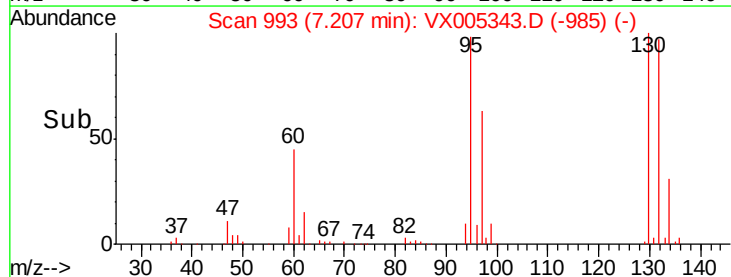
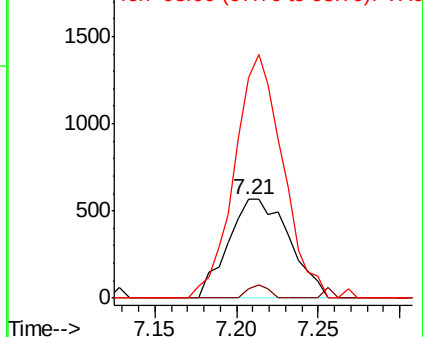
83 100

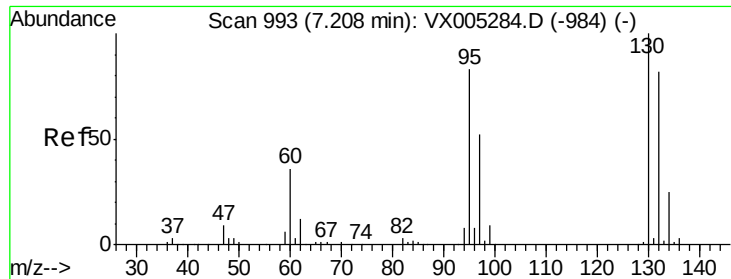
55 9.2 61.0 91.4#

98 223.9 39.6 59.4#



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#44

Trichloroethene

Concen: 42.815 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005343.D

Acq: 15 Oct 2018 15:01

Instrument :

MSVOA_X

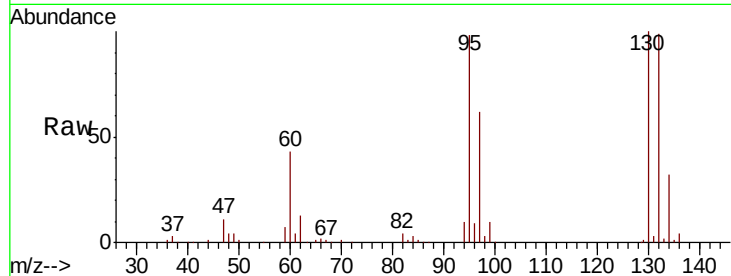
ClientSampleId :

Tot Ion:130 Resp: 118660

Ion Ratio Lower Upper

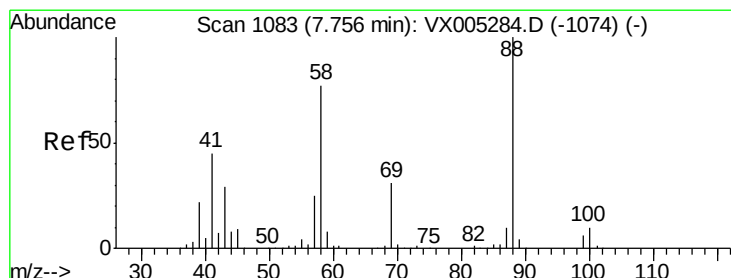
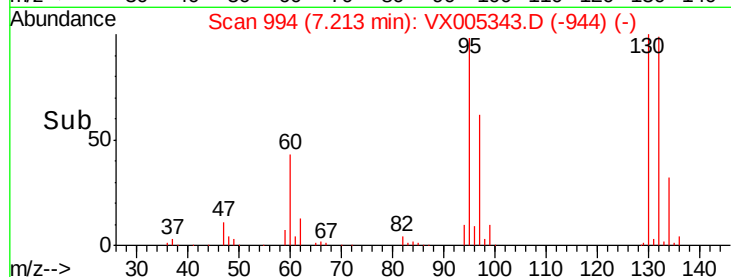
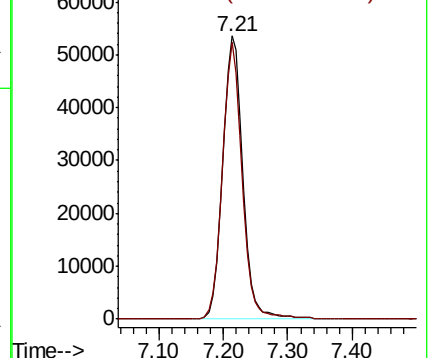
130 100

95 97.9 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: 0.514 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VX005343.D

Acq: 15 Oct 2018 15:01

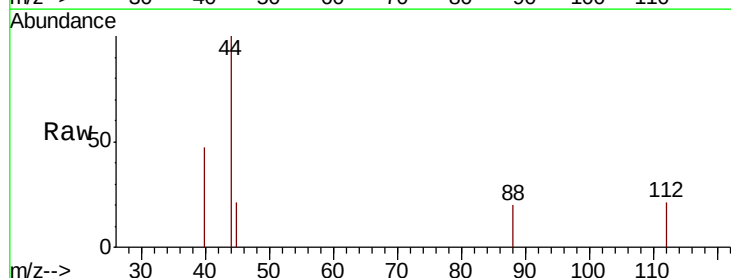
Tgt Ion: 88 Resp: 38

Ion Ratio Lower Upper

88 100

43 239.5 24.7 37.1#

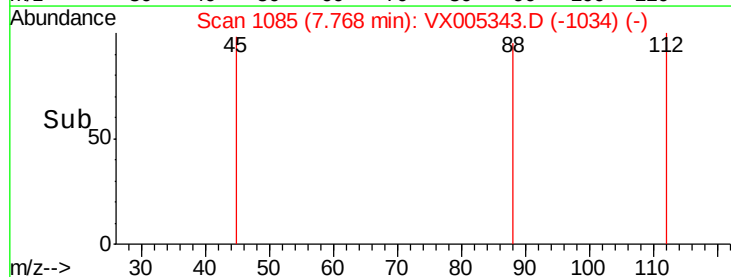
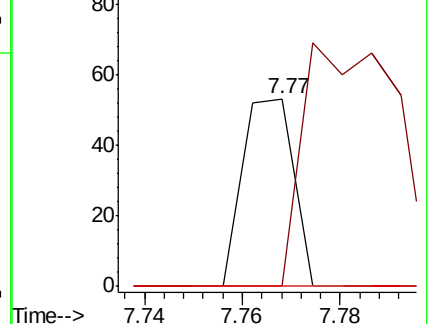
58 0.0 55.3 82.9#

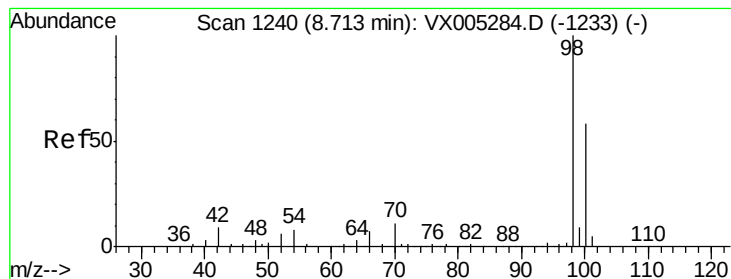


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 52.865 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005343.D

Acq: 15 Oct 2018 15:01

Instrument :

MSVOA_X

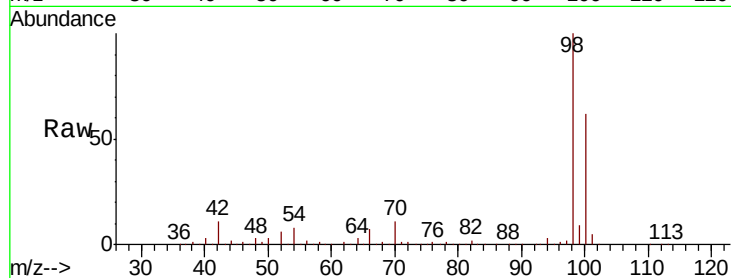
ClientSampleId :

Tot Ion: 98 Resp: 448153

Ion Ratio Lower Upper

98 100

100 63.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

300000

250000

200000

150000

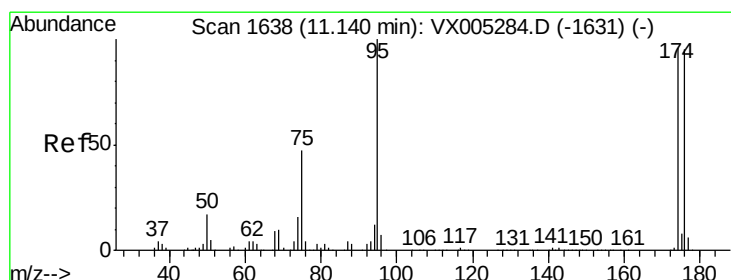
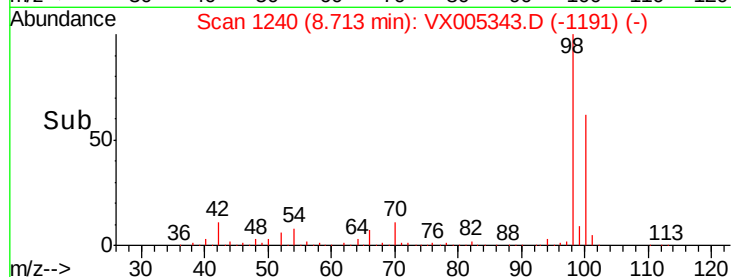
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 46.253 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005343.D

Acq: 15 Oct 2018 15:01

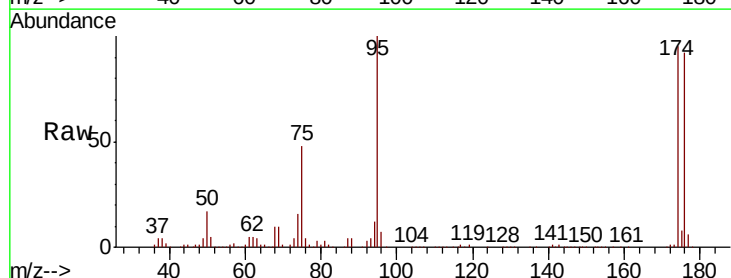
Tgt Ion: 95 Resp: 147297

Ion Ratio Lower Upper

95 100

174 96.0 0.0 185.2

176 92.6 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

150000

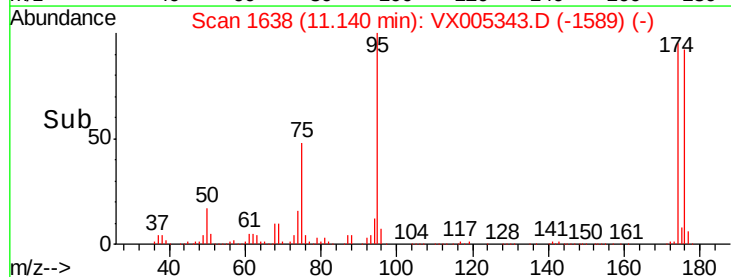
100000

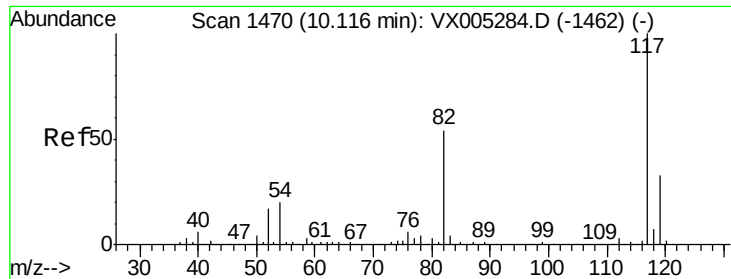
50000

0

11.10 11.14 11.18

Time-->

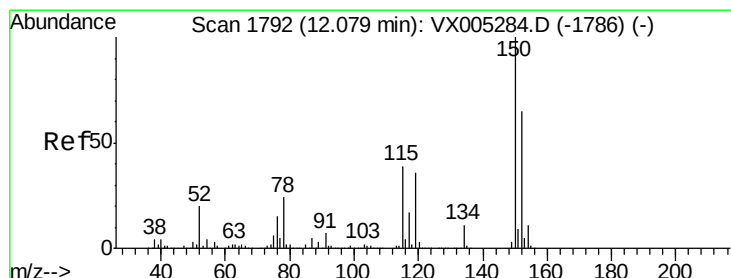
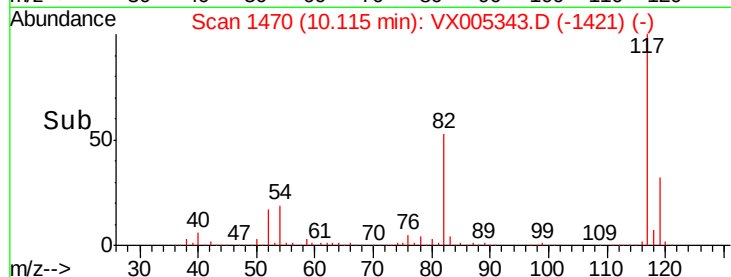
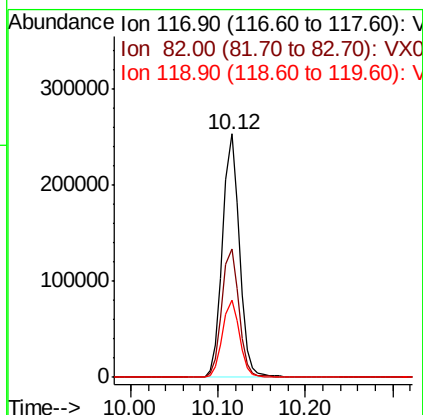
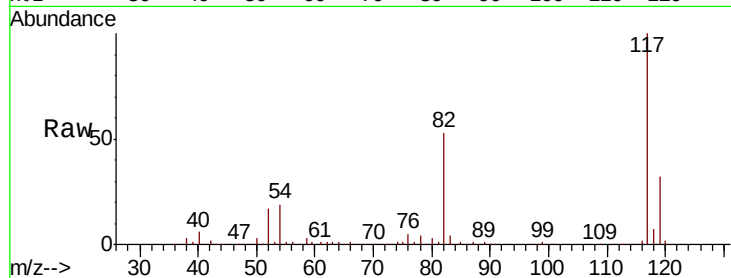




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005343.D
Acq: 15 Oct 2018 15:01

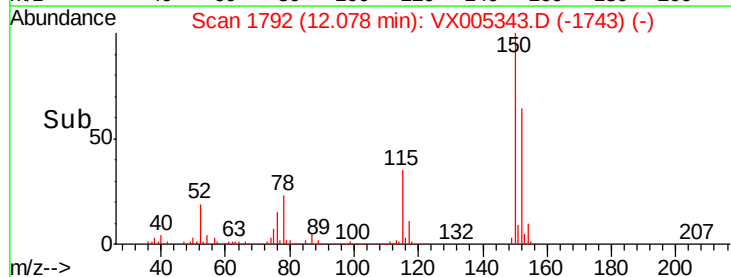
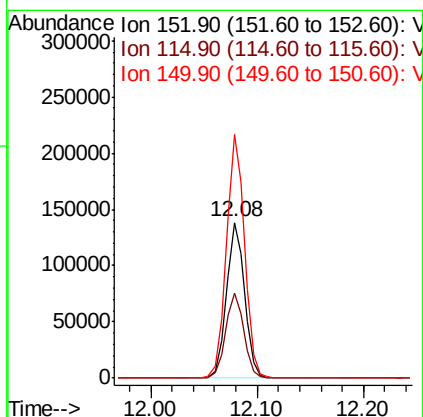
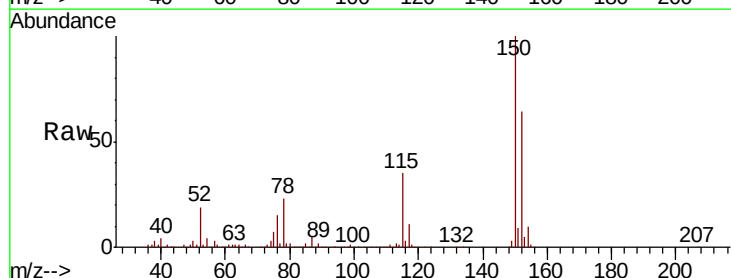
Instrument :
MSVOA_X
ClientSampleId :

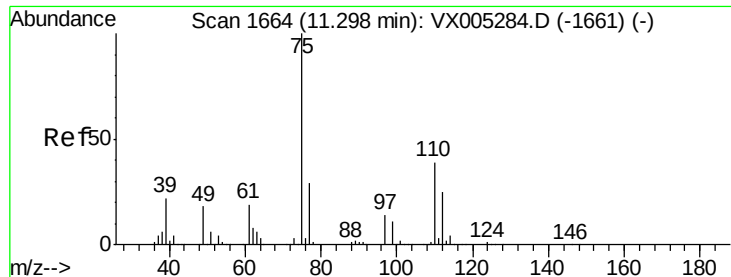
Tot Ion:117 Resp: 338357
Ion Ratio Lower Upper
117 100
82 52.7 47.8 71.6
119 31.9 29.3 43.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005343.D
Acq: 15 Oct 2018 15:01

Tgt Ion:152 Resp: 164878
Ion Ratio Lower Upper
152 100
115 55.1 39.0 117.0
150 156.9 0.0 351.0

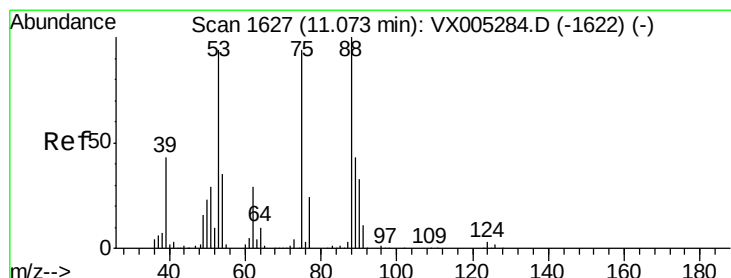
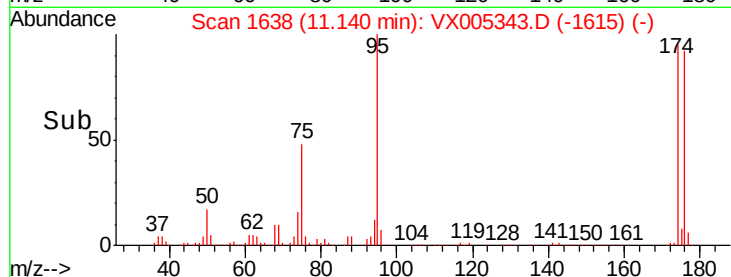
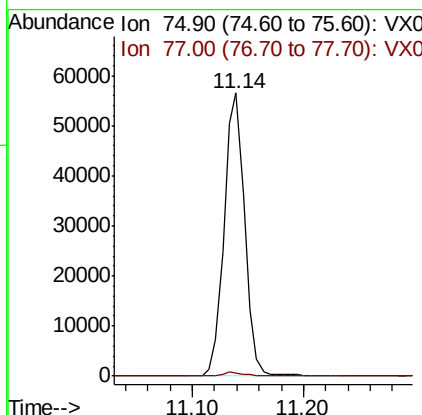
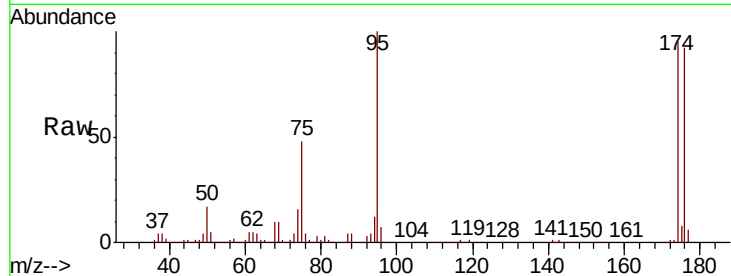




#76
 1,2,3-Trichloropropane
 Concen: 22.544 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005343.D
 Acq: 15 Oct 2018 15:01

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 72098
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.498 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005343.D
 Acq: 15 Oct 2018 15:01

Tgt Ion: 75 Resp: 72098
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.1 120.1#
 89 0.0 37.2 55.8#

