

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101518\
 Data File : VX005345.D
 Acq On : 15 Oct 2018 15:55
 Operator : JC/MD
 Sample : PB113825ZHE#01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 16 03:37:02 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

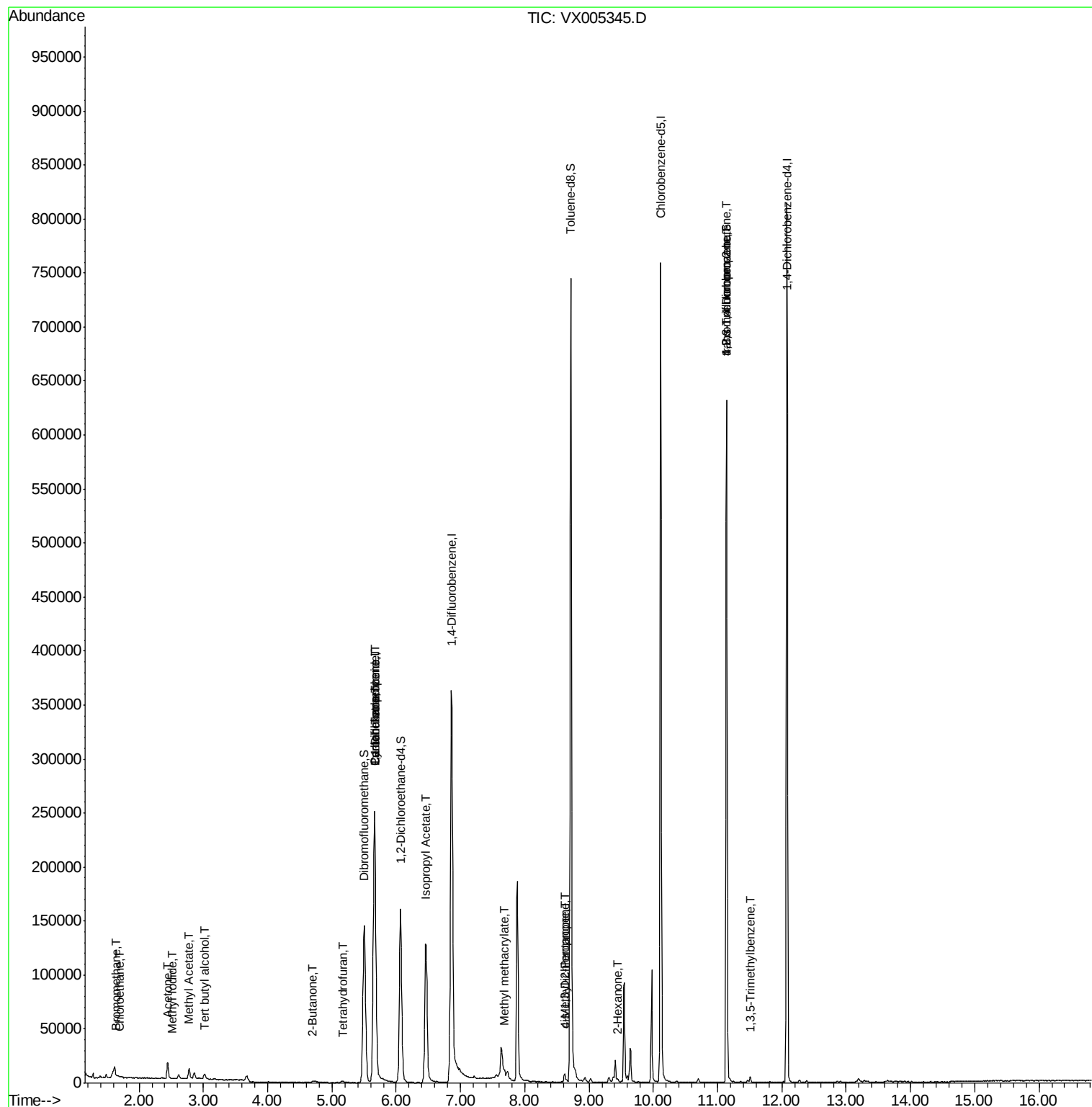
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	266291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	386937	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	359398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	171718	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	152781	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
35) Dibromofluoromethane	5.50	113	124320	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
50) Toluene-d8	8.71	98	467797	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
62) 4-Bromofluorobenzene	11.14	95	152823	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	
Target Compounds				Qvalue		
5) Bromomethane	1.64	94	464	0.850	ug/l #	61
6) Chloroethane	1.70	64	372	0.521	ug/l #	52
10) Methyl Iodide	2.53	142	223	2.571	ug/l #	77
11) Tert butyl alcohol	3.01	59	2938	3.524	ug/l #	79
13) Acrolein	2.29	56	165	Below Cal	#	54
16) Acetone	2.45	43	15867	9.286	ug/l	97
18) Methyl Acetate	2.78	43	11875	2.443	ug/l	95
20) Methylene Chloride	2.85	84	2459	Below Cal	#	95
25) 2-Butanone	4.70	43	2618	1.047	ug/l #	84
29) Tetrahydrofuran	5.16	42	1269	0.796	ug/l	89
31) Cyclohexane	5.67	56	4830	1.189	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17361	4.633	ug/l #	50
38) Carbon Tetrachloride	5.67	117	23641	6.278	ug/l #	16
43) Isopropyl Acetate	6.46	43	179193	27.913	ug/l	97
44) Trichloroethene	7.21	130	743	Below Cal		85
48) Methyl methacrylate	7.69	41	8195	2.461	ug/l #	21
51) 4-Methyl-2-Pentanone	8.62	43	2423	0.545	ug/l #	48
54) cis-1,3-Dichloropropene	8.62	75	1190	0.301	ug/l #	73
59) 2-Hexanone	9.44	43	1456	0.407	ug/l #	22
76) 1,2,3-Trichloropropane	11.14	75	74520	22.373	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	1920	0.220	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.14	75	74520	67.979	ug/l #	10

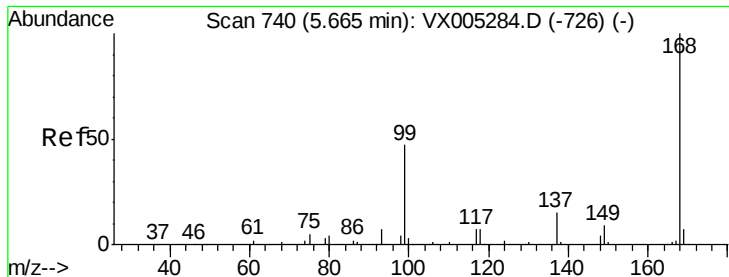
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101518\
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ClientSampleId :

Quant Time: Oct 16 03:37:02 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: VX005345.D

Acq: 15 Oct 2018 15:55

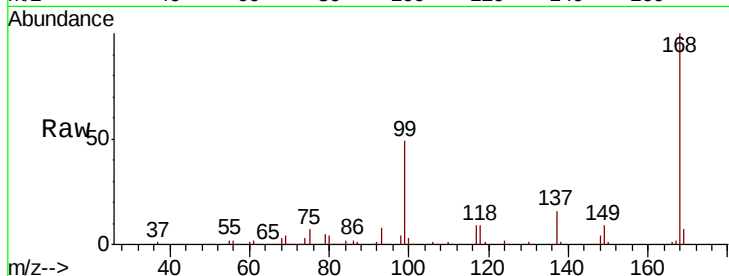
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 266291

Ion Ratio Lower Upper

168 100

99 48.6 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

100000

80000

60000

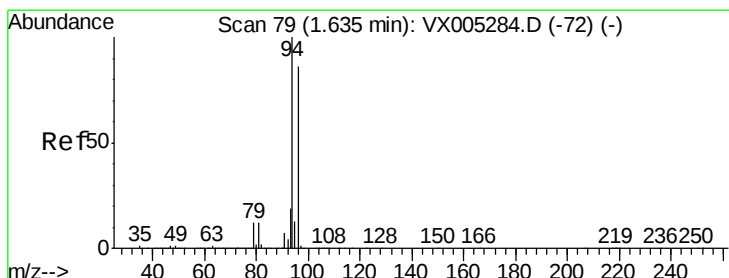
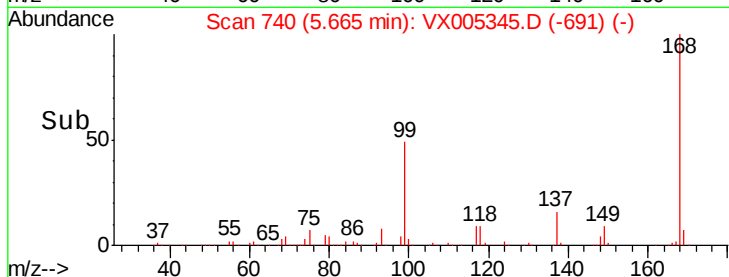
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: 0.850 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005345.D

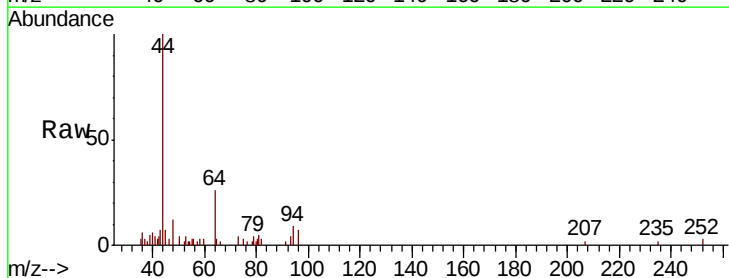
Acq: 15 Oct 2018 15:55

Tgt Ion: 94 Resp: 464

Ion Ratio Lower Upper

94 100

96 55.9 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

250

200

150

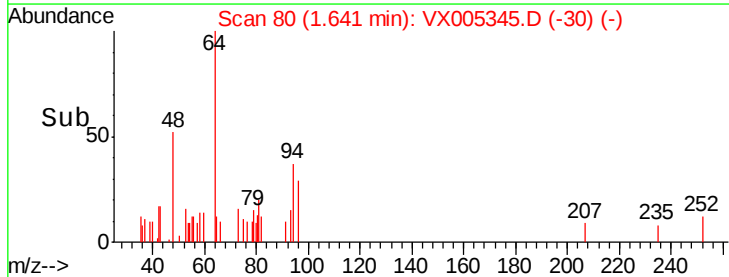
100

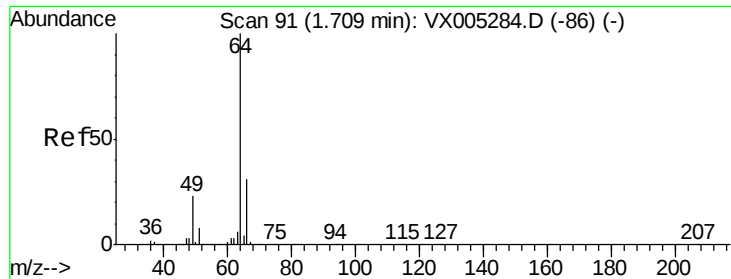
50

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.521 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX005345.D

Acq: 15 Oct 2018 15:55

Instrument :

MSVOA_X

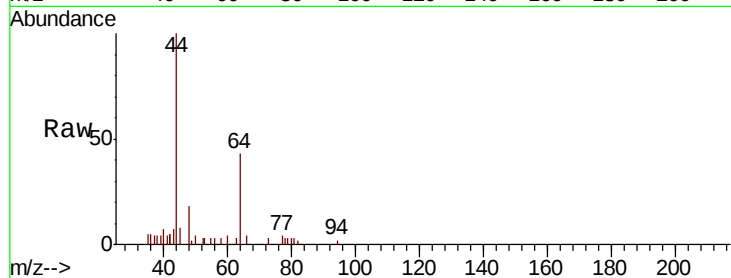
ClientSampled :

Tot Ion: 64 Resp: 372

Ion Ratio Lower Upper

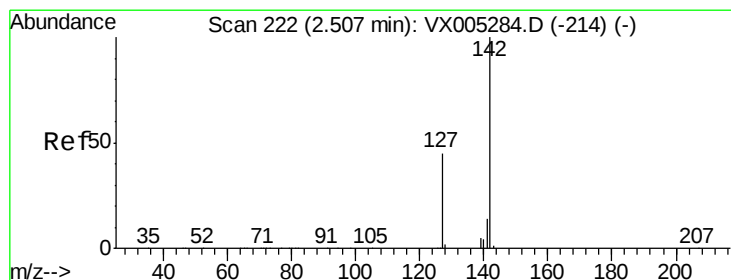
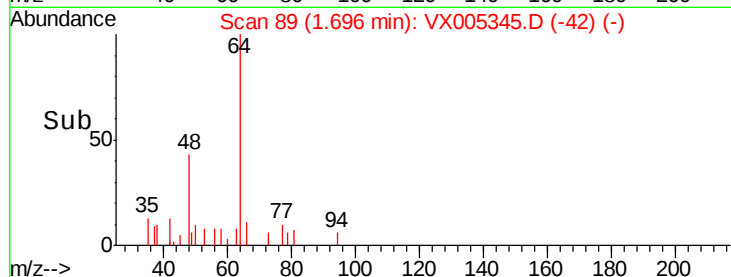
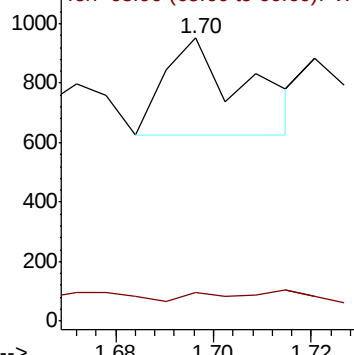
64 100

66 4.6 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: 2.571 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX005345.D

Acq: 15 Oct 2018 15:55

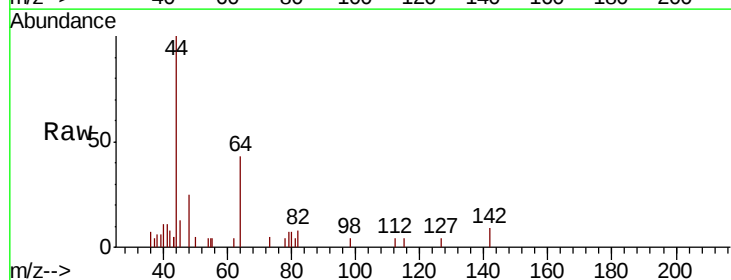
Tgt Ion: 142 Resp: 223

Ion Ratio Lower Upper

142 100

127 30.0 33.8 50.6#

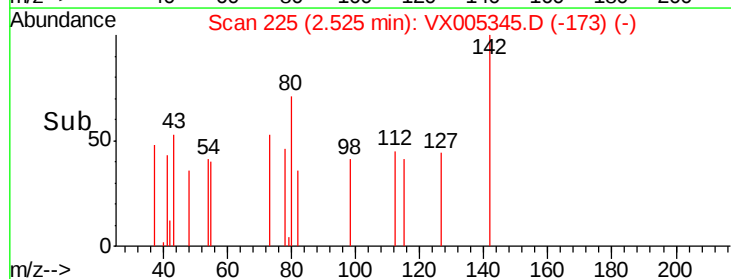
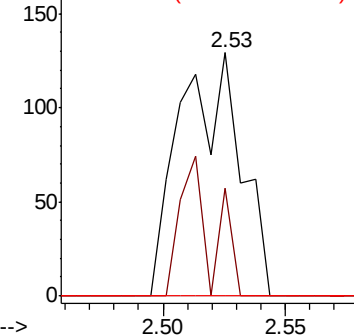
141 0.0 11.4 17.0#

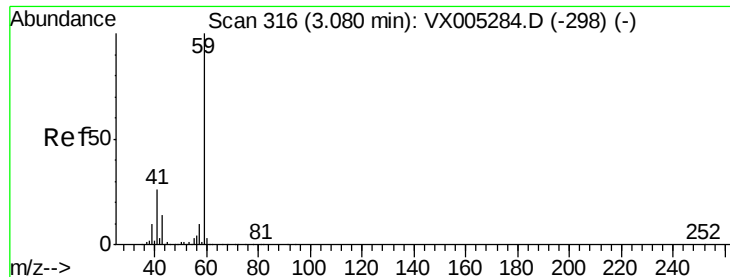


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



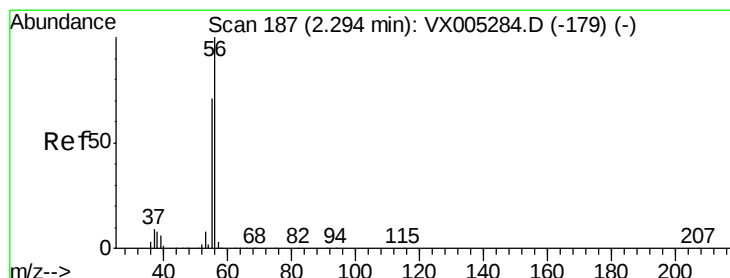
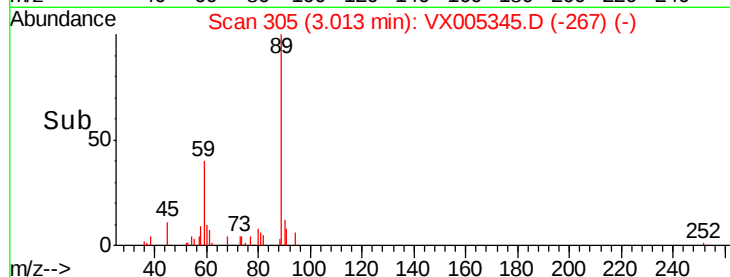
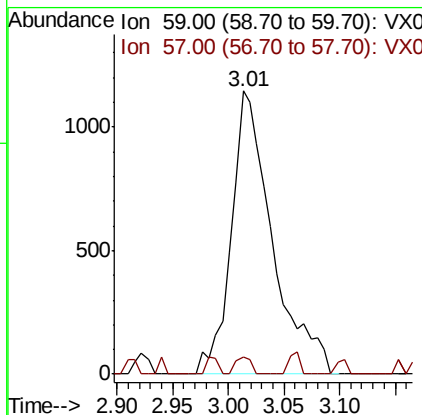
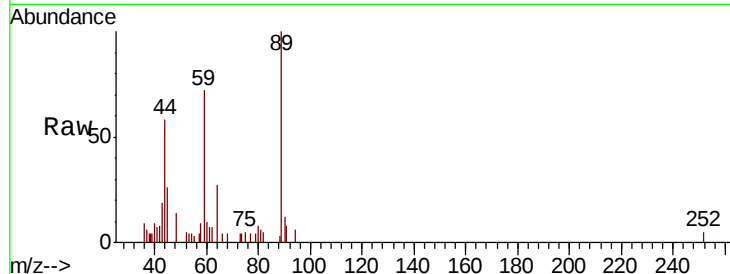


#11

Tert butyl alcohol
 Concen: 3.524 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.07 min
 Lab File: VX005345.D
 Acq: 15 Oct 2018 15:55

Instrument :
 MSVOA_X
 ClientSampled :

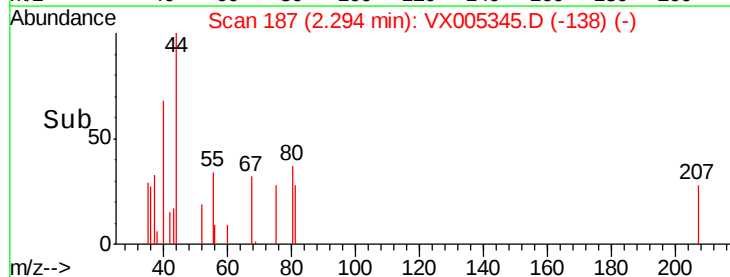
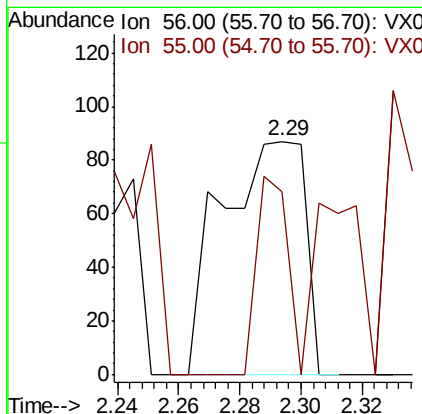
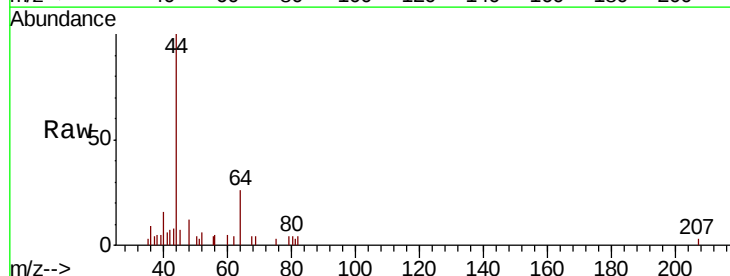
Tot Ion: 59 Resp: 2938
 Ion Ratio Lower Upper
 59 100
 57 2.3 8.2 12.4#

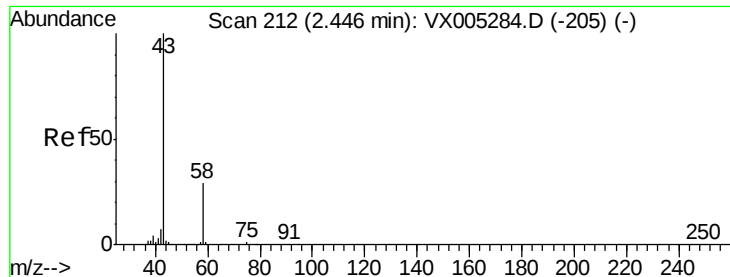


#13

Acrolein
 Concen: Below Cal
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX005345.D
 Acq: 15 Oct 2018 15:55

Tgt Ion: 56 Resp: 165
 Ion Ratio Lower Upper
 56 100
 55 31.5 54.7 82.1#





#16

Acetone

Concen: 9.286 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005345.D

Acq: 15 Oct 2018 15:55

Instrument :

MSVOA_X

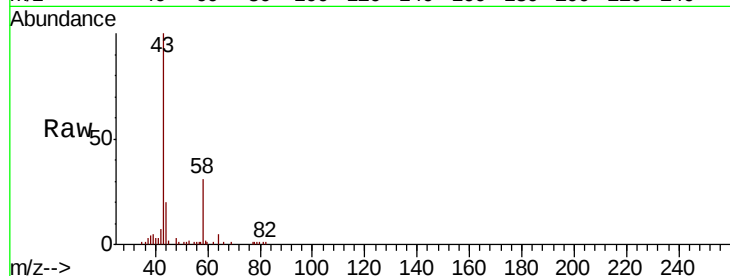
ClientSampled :

Tot Ion: 43 Resp: 15867

Ion Ratio Lower Upper

43 100

58 31.3 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

10000

8000

6000

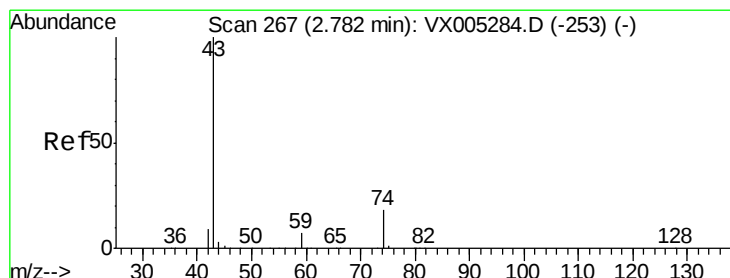
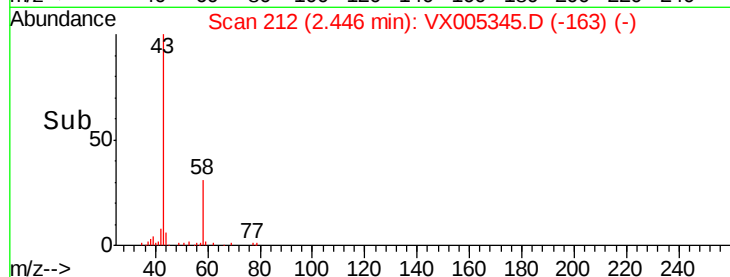
4000

2000

0

2.35 2.40 2.45 2.50

Time-->



#18

Methyl Acetate

Concen: 2.443 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005345.D

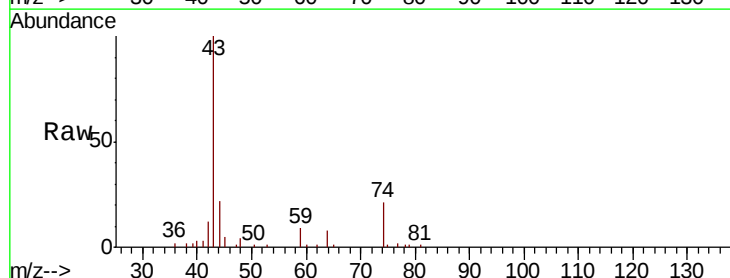
Acq: 15 Oct 2018 15:55

Tgt Ion: 43 Resp: 11875

Ion Ratio Lower Upper

43 100

74 21.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

6000

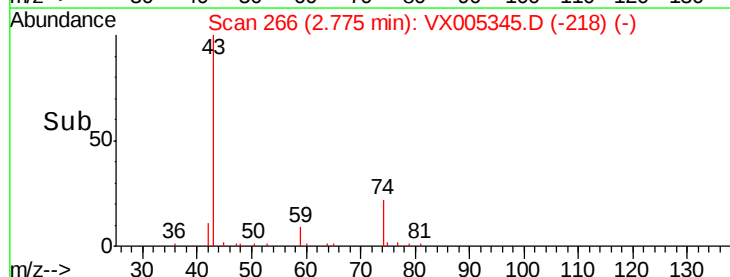
4000

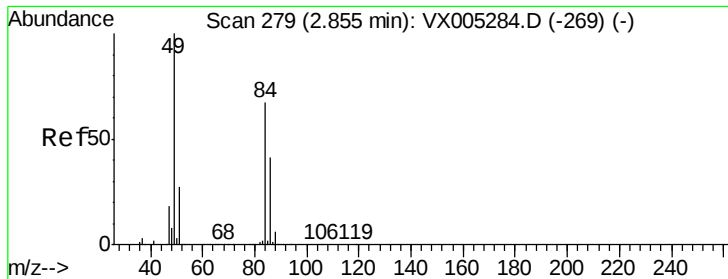
2000

0

2.70 2.75 2.80

Time-->

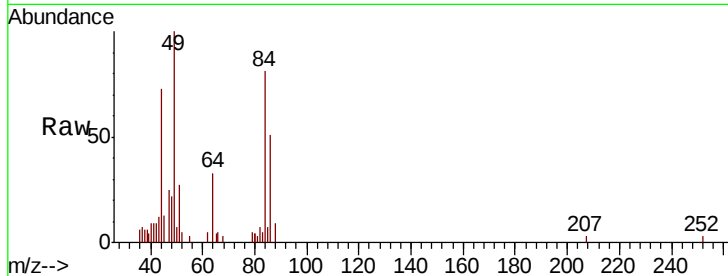




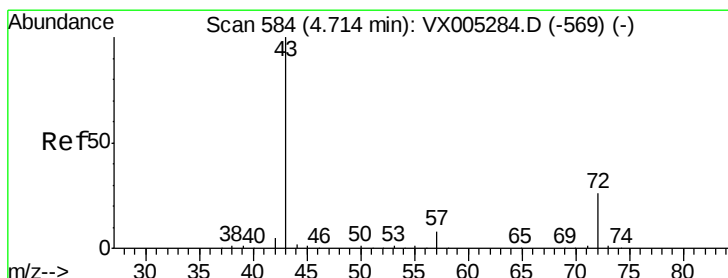
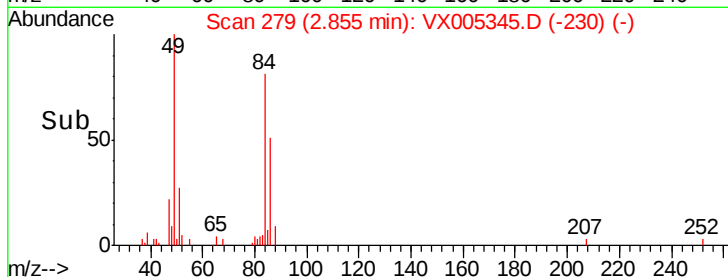
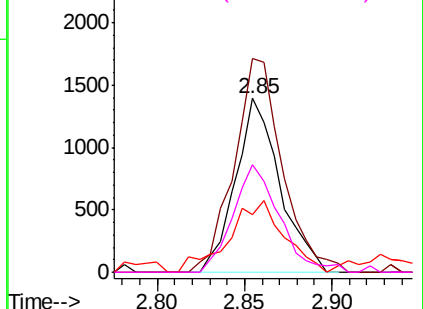
#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005345.D
Acq: 15 Oct 2018 15:55

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 84 Resp: 2459
Ion Ratio Lower Upper
84 100
49 122.9 101.2 151.8
51 29.1 29.5 44.3#
86 62.3 52.3 78.5

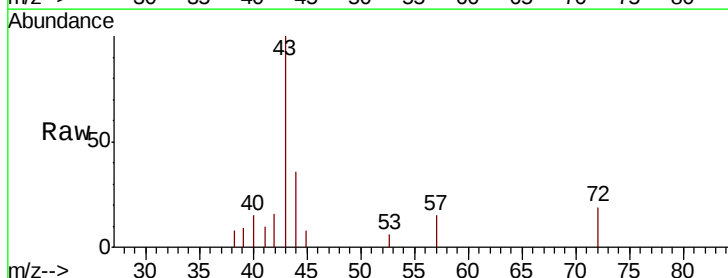


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

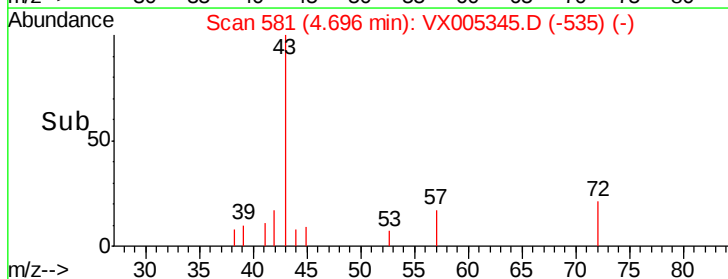
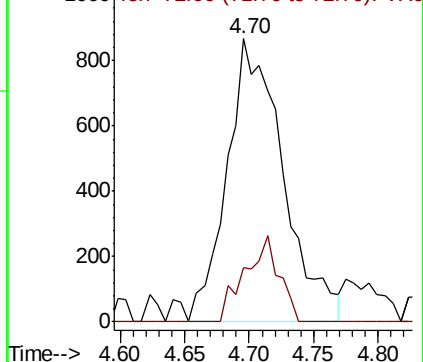


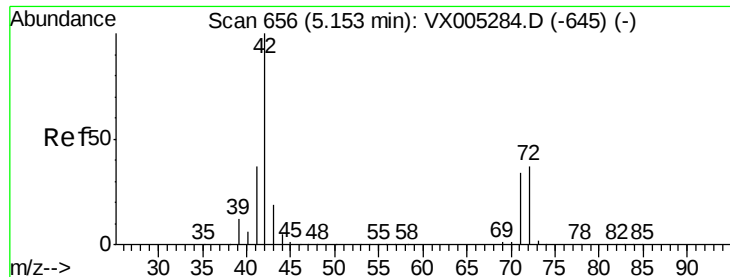
#25
2-Butanone
Concen: 1.047 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.02 min
Lab File: VX005345.D
Acq: 15 Oct 2018 15:55

Tgt Ion: 43 Resp: 2618
Ion Ratio Lower Upper
43 100
72 19.4 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.796 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX005345.D

Acq: 15 Oct 2018 15:55

Instrument :

MSVOA_X

ClientSampled :

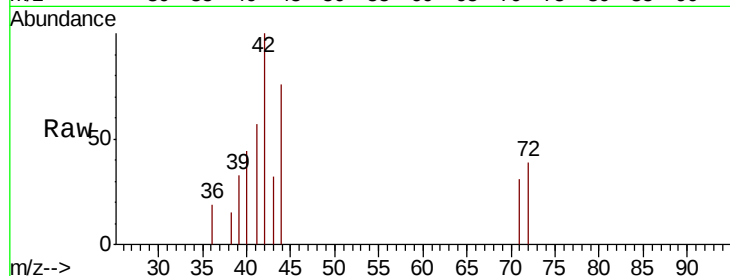
Tot Ion: 42 Resp: 1269

Ion Ratio Lower Upper

42 100

72 40.5 37.4 56.0

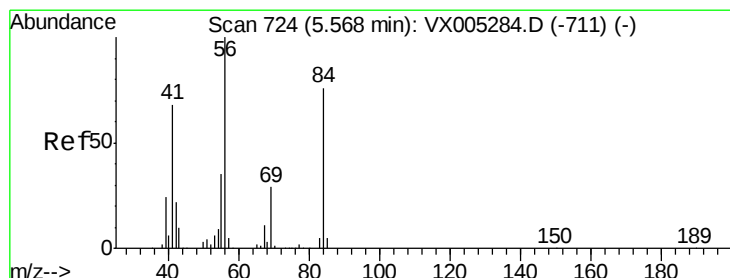
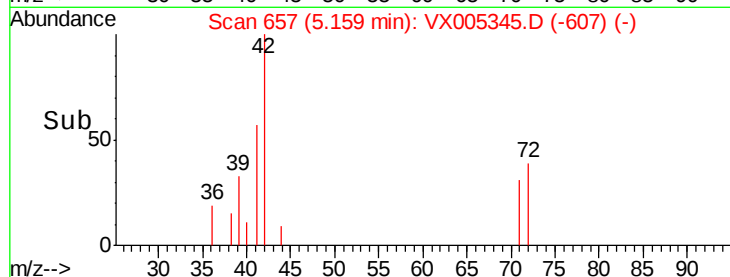
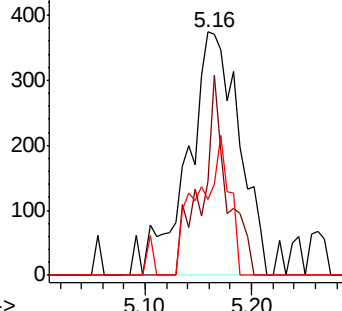
71 34.8 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.189 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.10 min

Lab File: VX005345.D

Acq: 15 Oct 2018 15:55

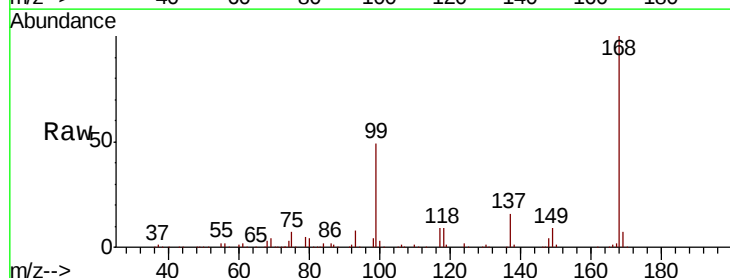
Tgt Ion: 56 Resp: 4830

Ion Ratio Lower Upper

56 100

69 211.6 25.4 38.2#

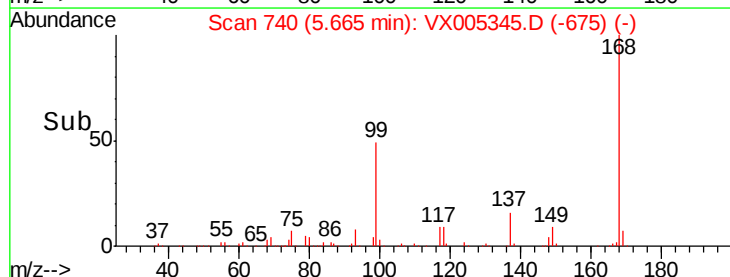
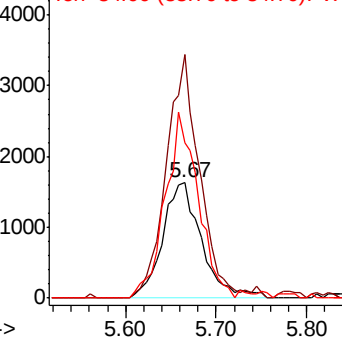
84 135.1 71.4 107.2#

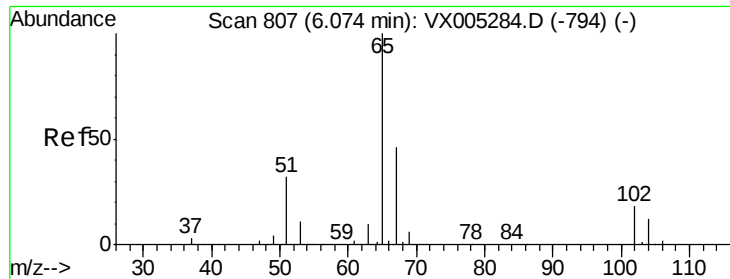


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.695 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005345.D

Acq: 15 Oct 2018 15:55

Instrument :

MSVOA_X

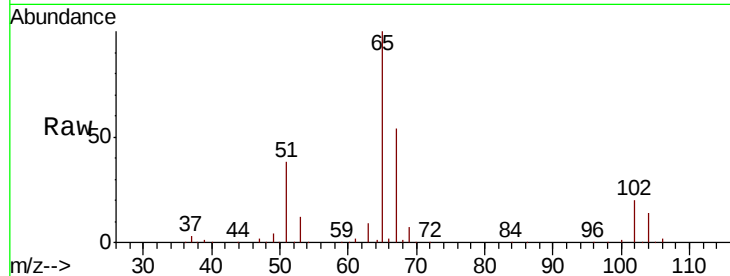
ClientSampleId :

Tot Ion: 65 Resp: 152781

Ion Ratio Lower Upper

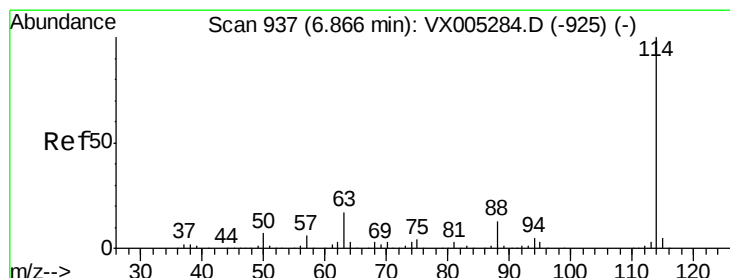
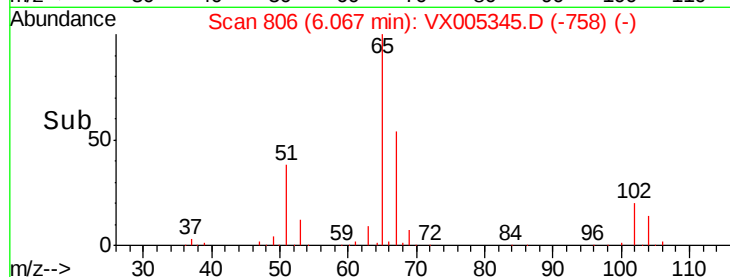
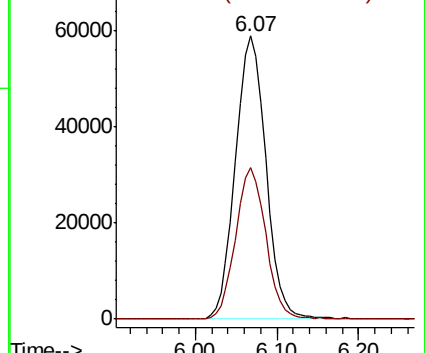
65 100

67 53.1 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005345.D

Acq: 15 Oct 2018 15:55

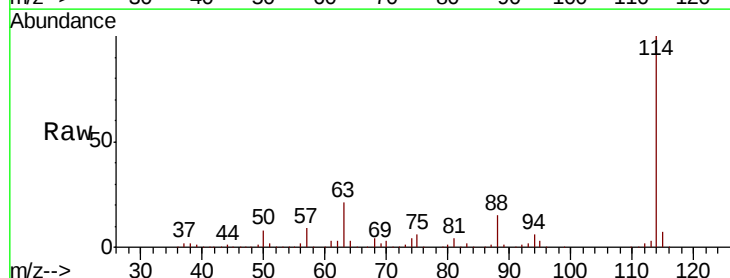
Tgt Ion: 114 Resp: 386937

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.0

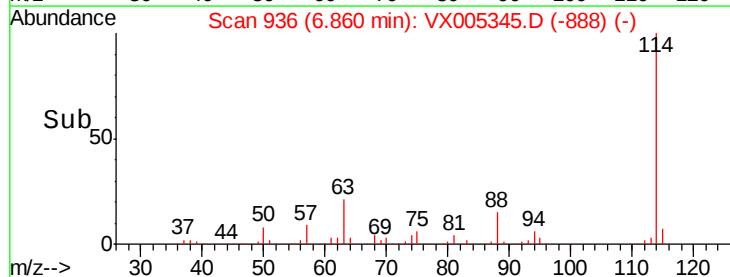
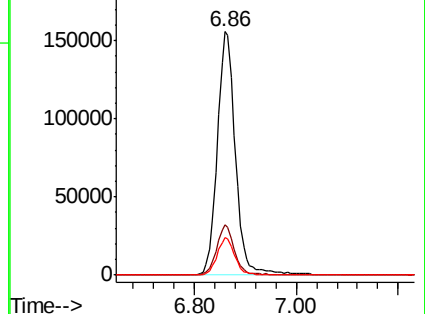
88 15.4 0.0 30.4

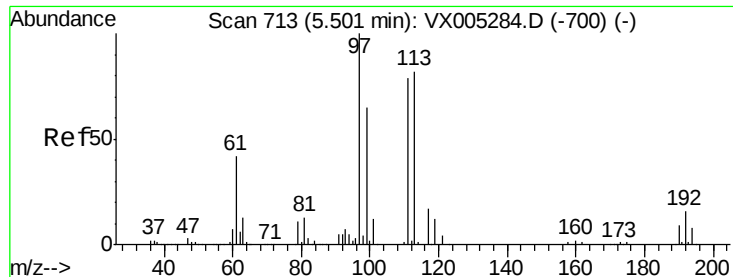


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

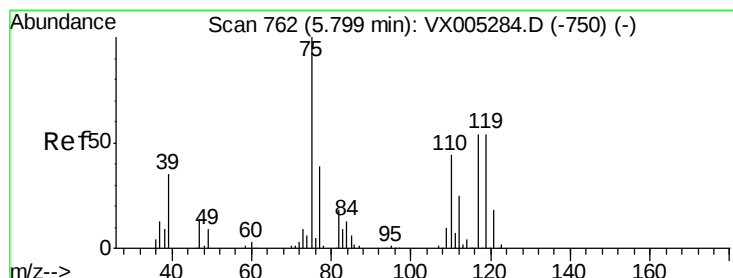
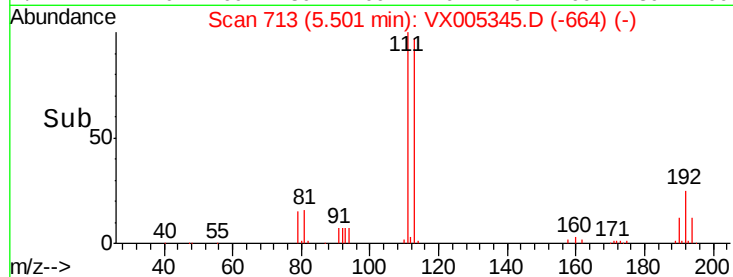
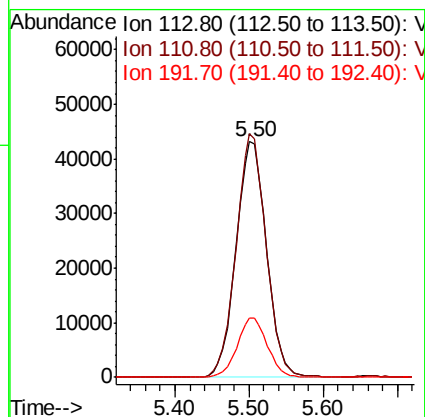
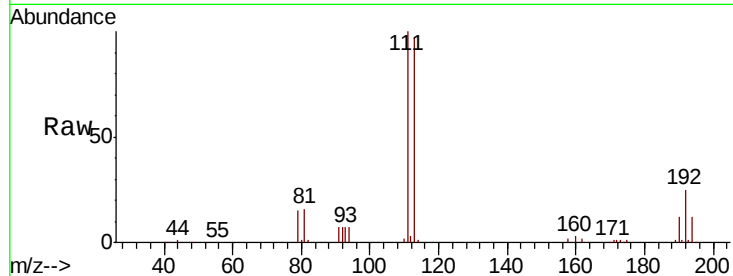




#35
 Dibromofluoromethane
 Concen: 48.510 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005345.D
 Acq: 15 Oct 2018 15:55

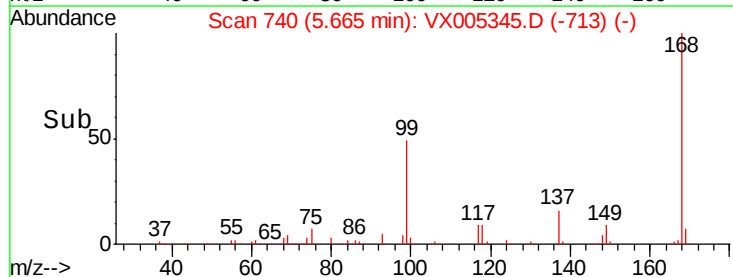
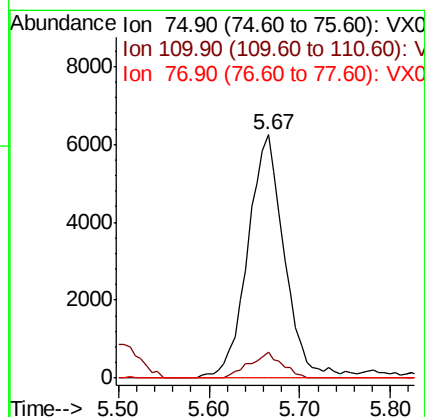
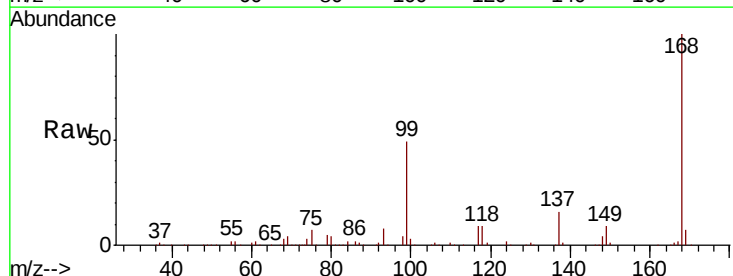
Instrument :
 MSVOA_X
 ClientSampled :

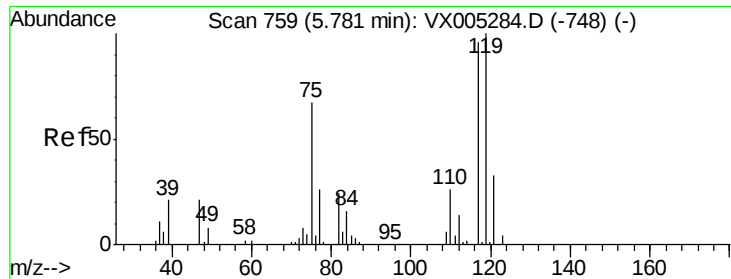
Tot Ion:113 Resp: 124320
 Ion Ratio Lower Upper
 113 100
 111 101.2 82.4 123.6
 192 24.7 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 4.633 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005345.D
 Acq: 15 Oct 2018 15:55

Tgt Ion: 75 Resp: 17361
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.0 54.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.278 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005345.D

Acq: 15 Oct 2018 15:55

Instrument :

MSVOA_X

ClientSampleId :

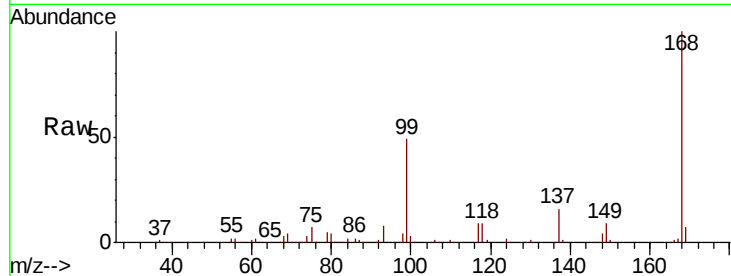
Tot Ion:117 Resp: 23641

Ion Ratio Lower Upper

117 100

119 6.6 78.8 118.2#

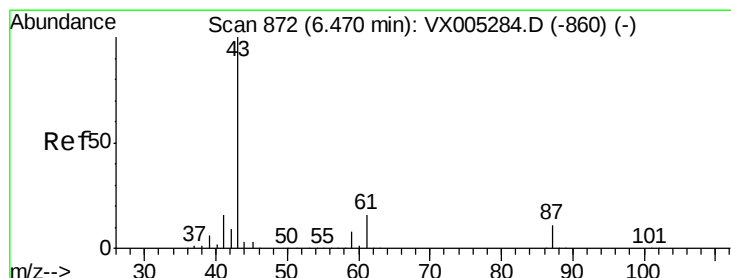
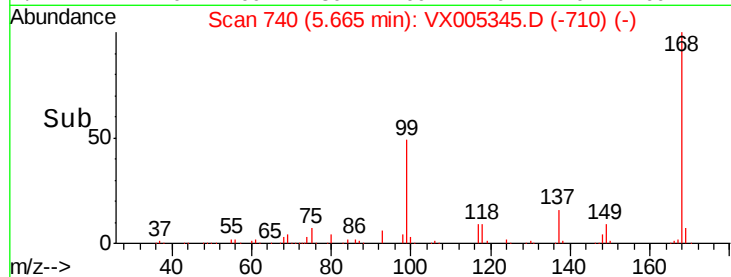
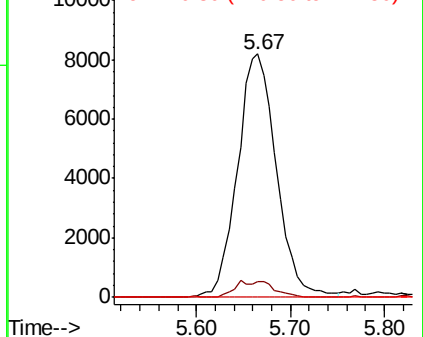
121 0.0 24.9 37.3#



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



#43

Isopropyl Acetate

Concen: 27.913 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005345.D

Acq: 15 Oct 2018 15:55

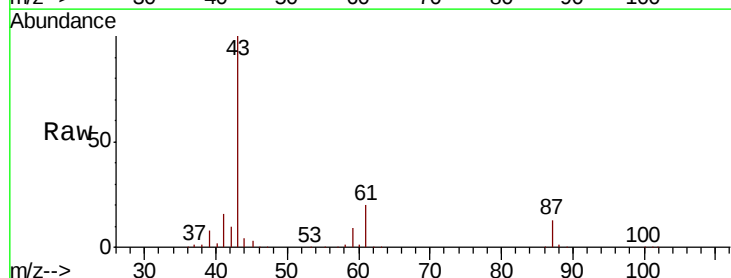
Tgt Ion: 43 Resp: 179193

Ion Ratio Lower Upper

43 100

61 19.5 17.0 25.4

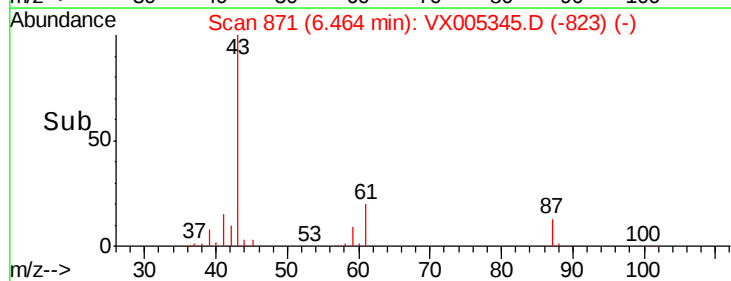
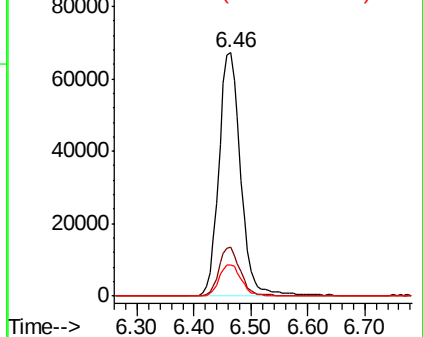
87 13.1 11.4 17.2

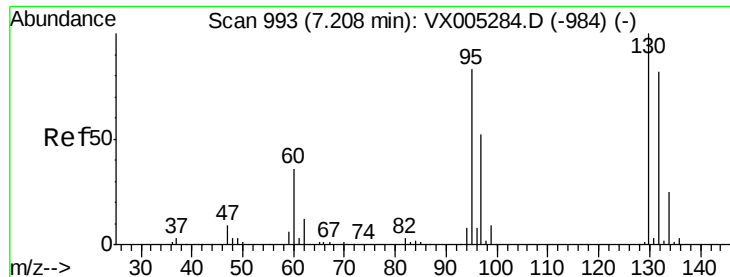


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#44

Trichloroethene

Concen: Below Cal

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX005345.D

Acq: 15 Oct 2018 15:55

Instrument :

MSVOA_X

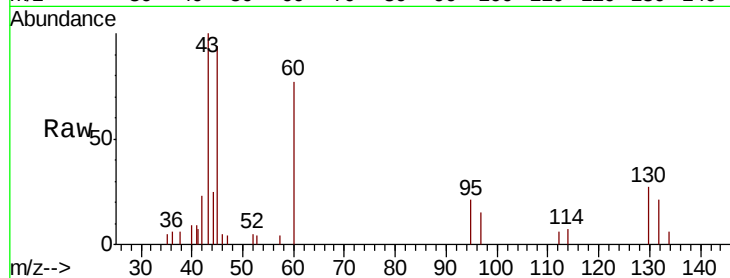
ClientSampleId :

Tot Ion:130 Resp: 743

Ion Ratio Lower Upper

130 100

95 76.6 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

400

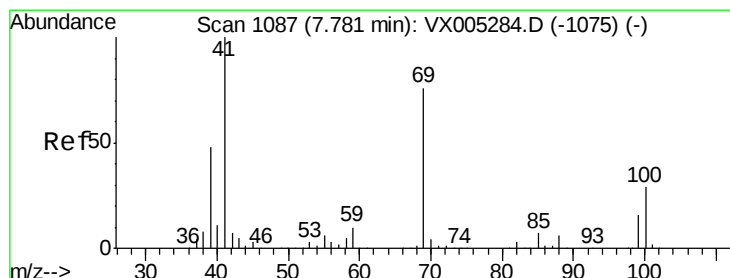
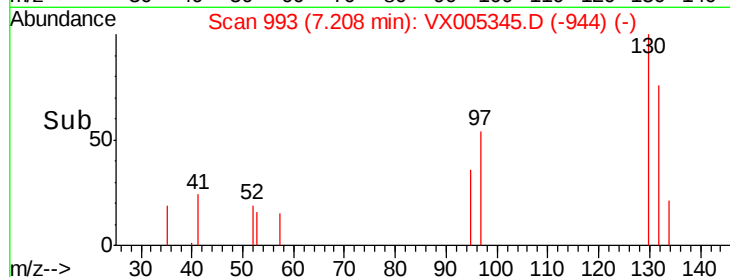
300

200

100

0

Time-->



#48

Methyl methacrylate

Concen: 2.461 ug/l

RT: 7.69 min Scan# 1072

Delta R.T. -0.09 min

Lab File: VX005345.D

Acq: 15 Oct 2018 15:55

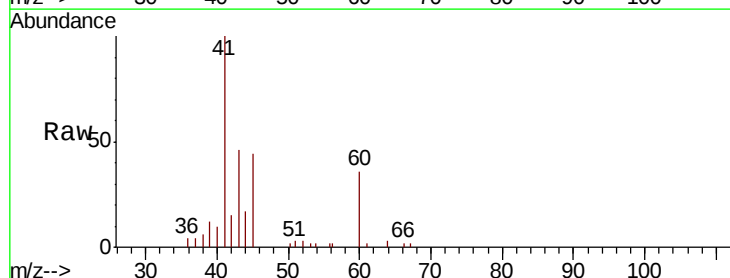
Tgt Ion: 41 Resp: 8195

Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.4#

39 15.1 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

12000

10000

8000

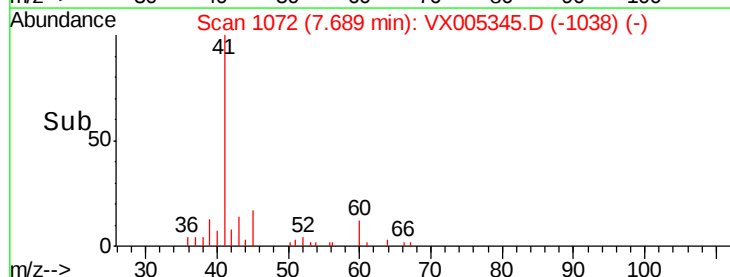
6000

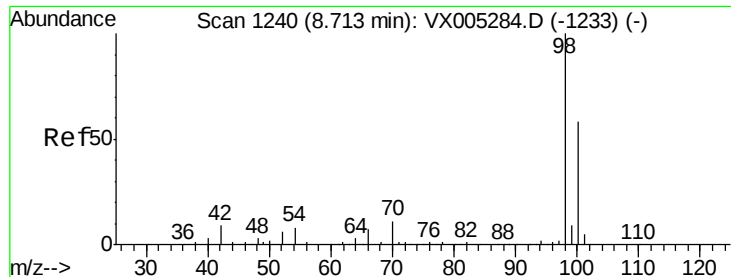
4000

2000

0

Time-->





#50

Toluene-d8

Concen: 53.170 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005345.D

Acq: 15 Oct 2018 15:55

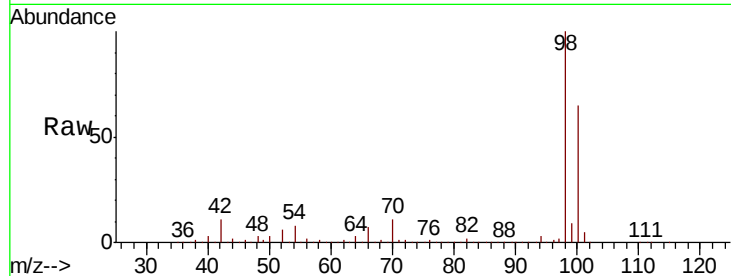
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 467797

Ion Ratio Lower Upper

98 100

100 63.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

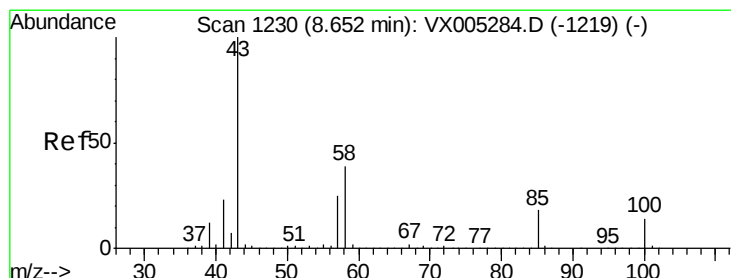
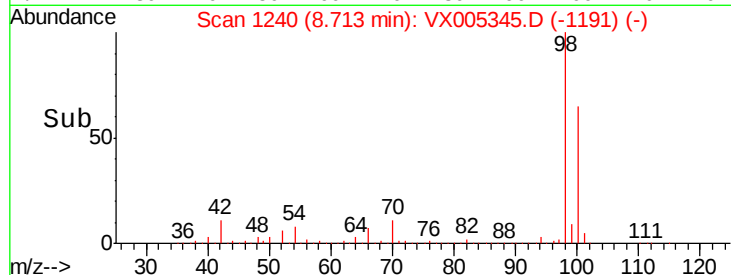
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.545 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. -0.03 min

Lab File: VX005345.D

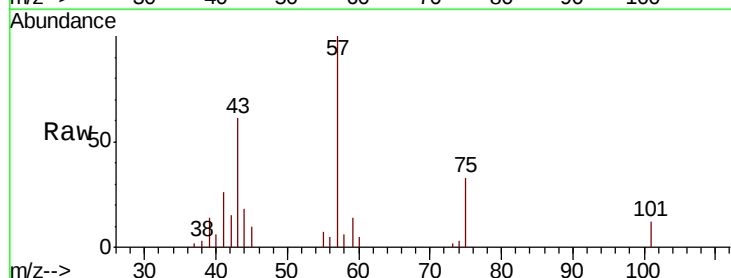
Acq: 15 Oct 2018 15:55

Tgt Ion: 43 Resp: 2423

Ion Ratio Lower Upper

43 100

58 8.6 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

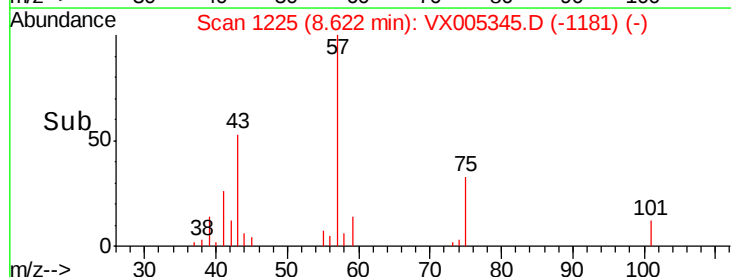
1500

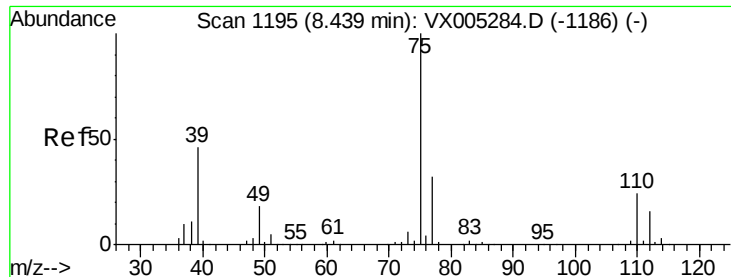
1000

500

0

Time-->



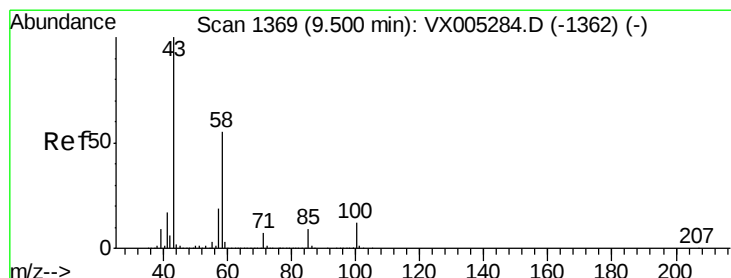
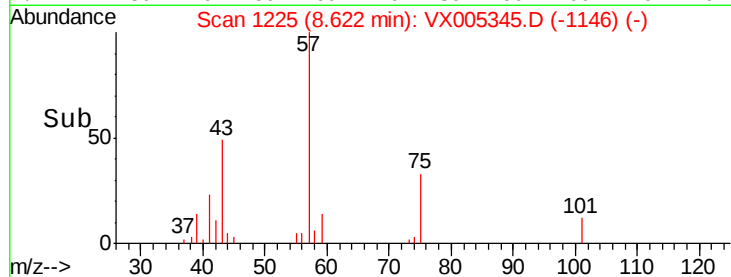
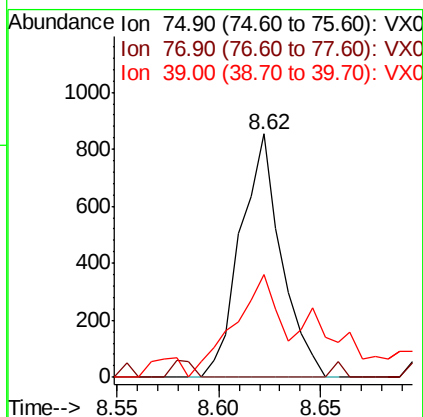
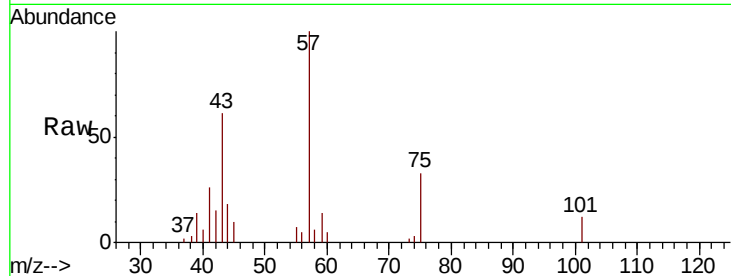


#54

cis-1,3-Dichloropropene
 Concen: 0.301 ug/l
 RT: 8.62 min Scan# 1225
 Delta R.T. 0.18 min
 Lab File: VX005345.D
 Acq: 15 Oct 2018 15:55

Instrument :
 MSVOA_X
 ClientSampleId :

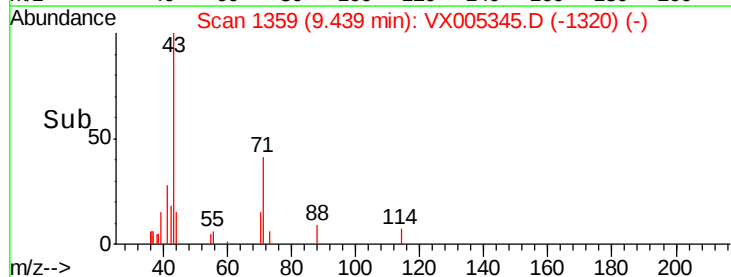
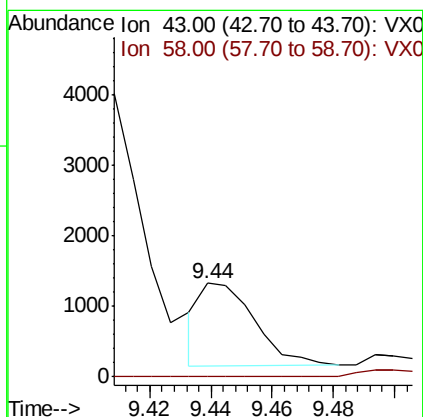
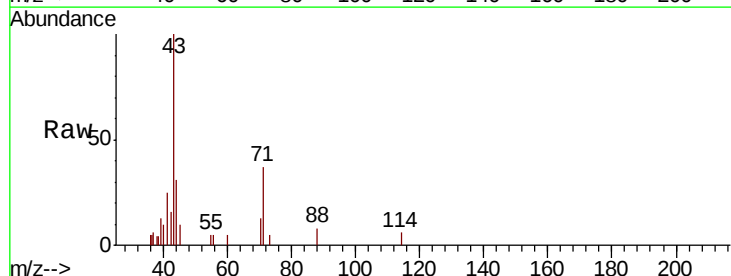
Tot Ion: 75 Resp: 1190
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.2 39.2#
 39 42.3 36.4 54.6

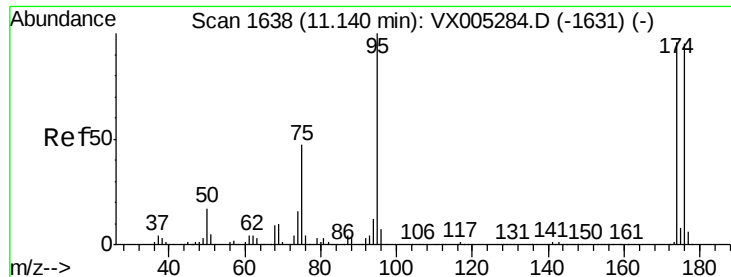


#59

2-Hexanone
 Concen: 0.407 ug/l
 RT: 9.44 min Scan# 1359
 Delta R.T. -0.06 min
 Lab File: VX005345.D
 Acq: 15 Oct 2018 15:55

Tgt Ion: 43 Resp: 1456
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.0 87.0#

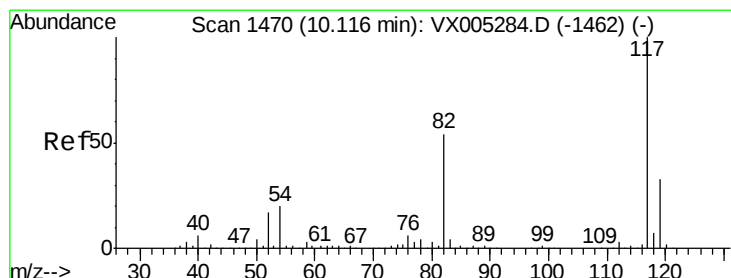
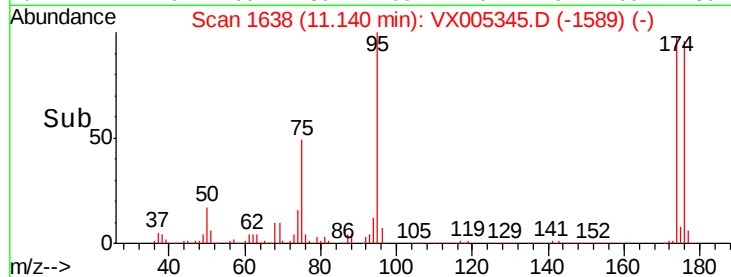
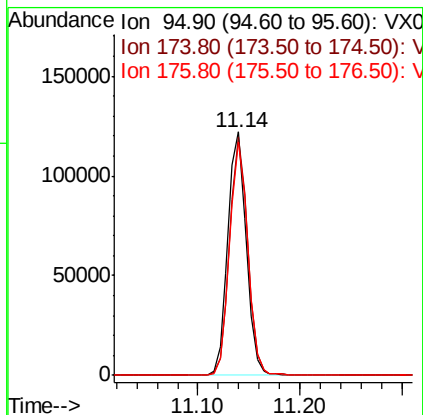
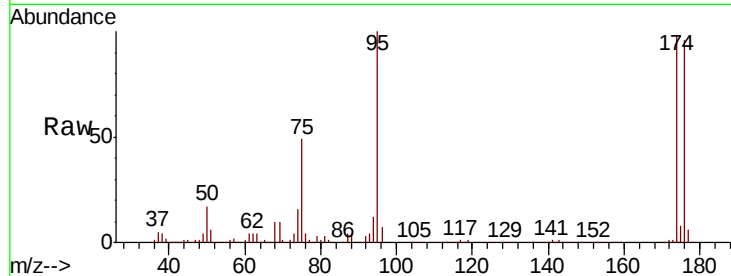




#62
4-Bromofluorobenzene
Concen: 46.238 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005345.D
Acq: 15 Oct 2018 15:55

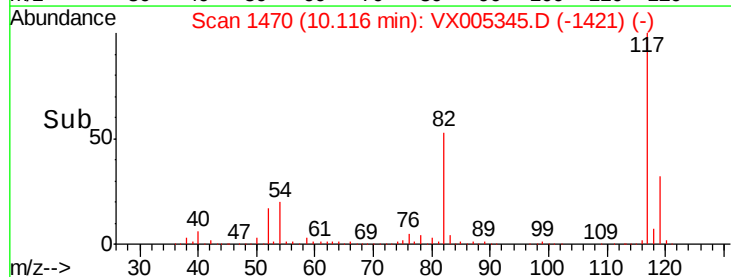
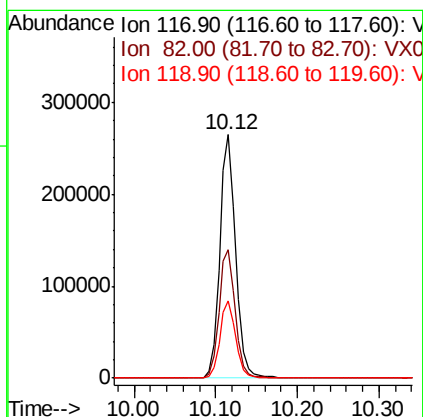
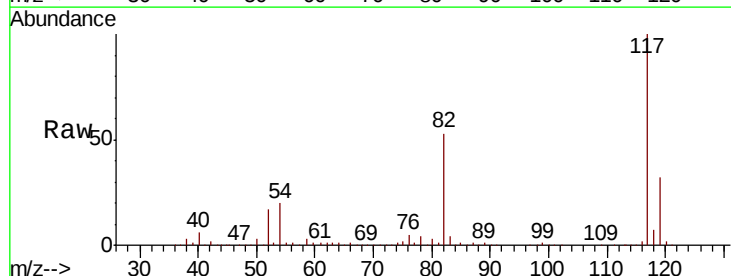
Instrument :
MSVOA_X
ClientSampleId :

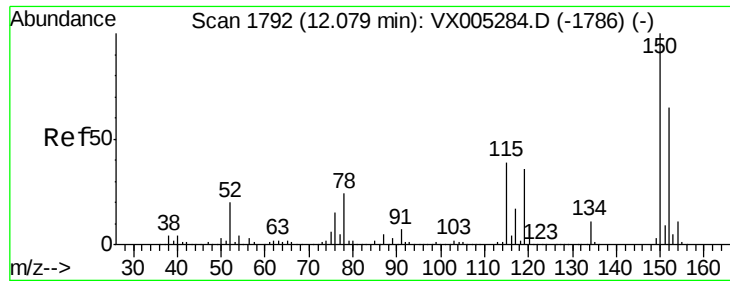
Tot Ion: 95 Resp: 152823
Ion Ratio Lower Upper
95 100
174 95.8 0.0 185.2
176 94.1 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005345.D
Acq: 15 Oct 2018 15:55

Tgt Ion: 117 Resp: 359398
Ion Ratio Lower Upper
117 100
82 52.9 47.8 71.6
119 31.9 29.3 43.9



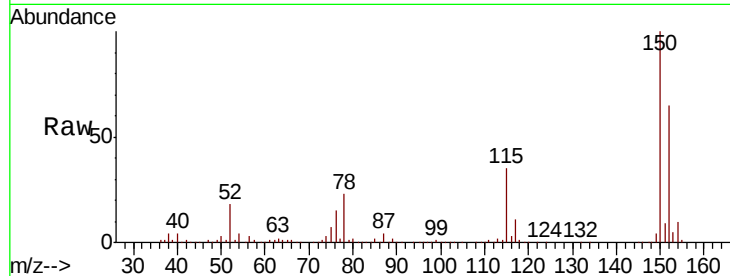


#72

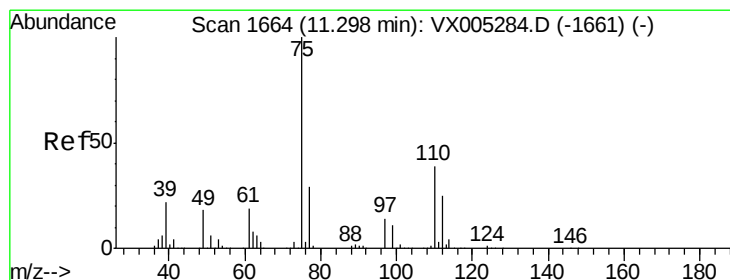
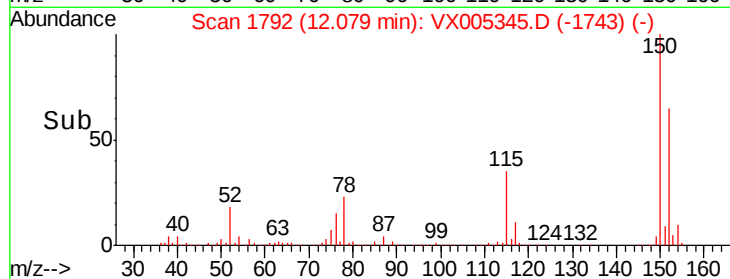
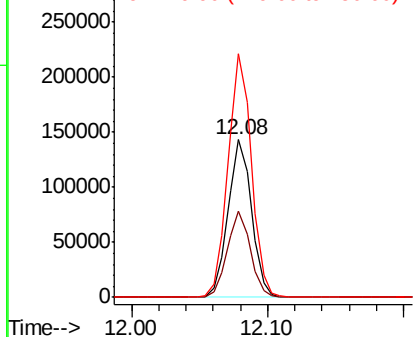
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005345.D
Acq: 15 Oct 2018 15:55

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:152 Resp: 171718
Ion Ratio Lower Upper
152 100
115 53.8 39.0 117.0
150 154.5 0.0 351.0



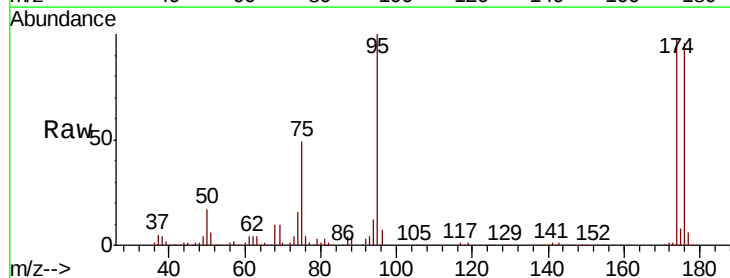
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



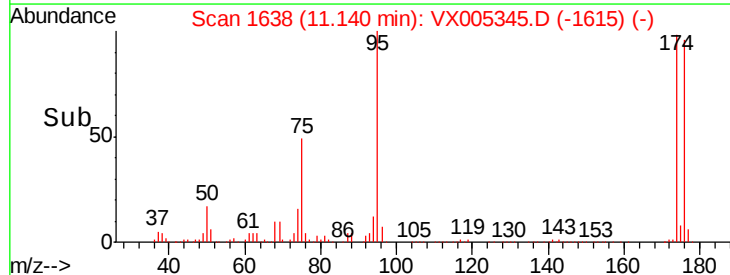
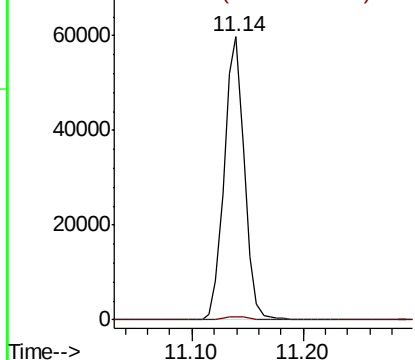
#76

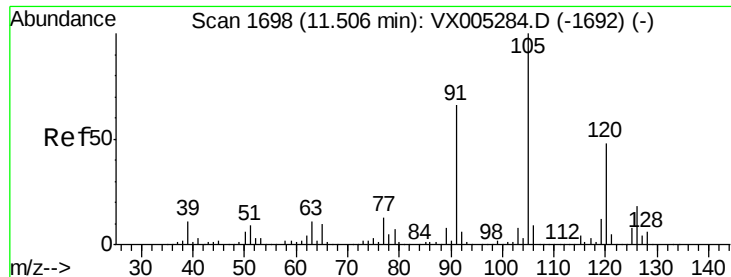
1,2,3-Trichloropropane
Concen: 22.373 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX005345.D
Acq: 15 Oct 2018 15:55

Tgt Ion: 75 Resp: 74520
Ion Ratio Lower Upper
75 100
77 1.4 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0

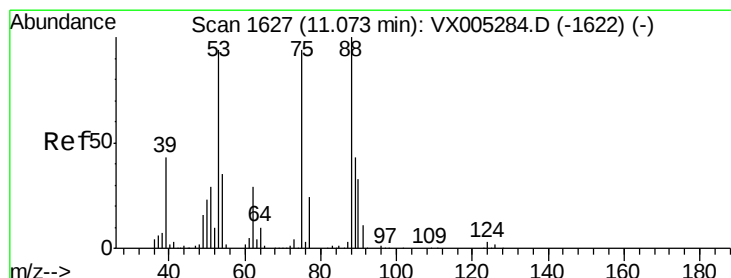
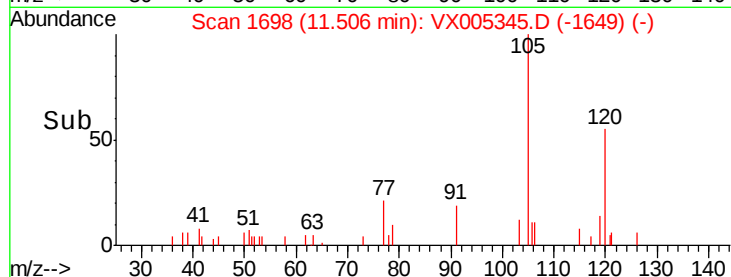
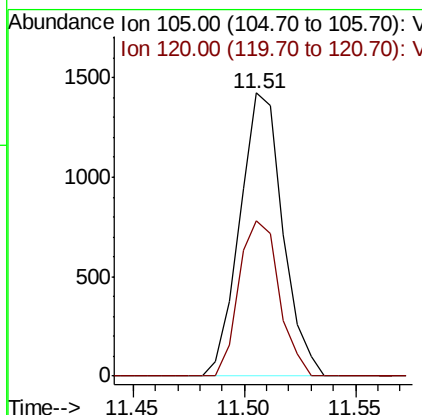
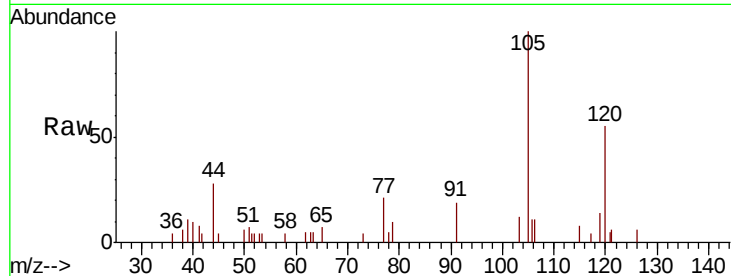




#80
 1,3,5-Trimethylbenzene
 Concen: 0.220 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005345.D
 Acq: 15 Oct 2018 15:55

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:105 Resp: 1920
 Ion Ratio Lower Upper
 105 100
 120 50.9 25.6 76.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.979 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005345.D
 Acq: 15 Oct 2018 15:55

Tgt Ion: 75 Resp: 74520
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.1 120.1#
 89 0.0 37.2 55.8#

