

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005470.D
 Acq On : 22 Oct 2018 15:13
 Operator : JC/MD
 Sample : PB114041TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114041TB

Quant Time: Oct 23 01:26:29 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

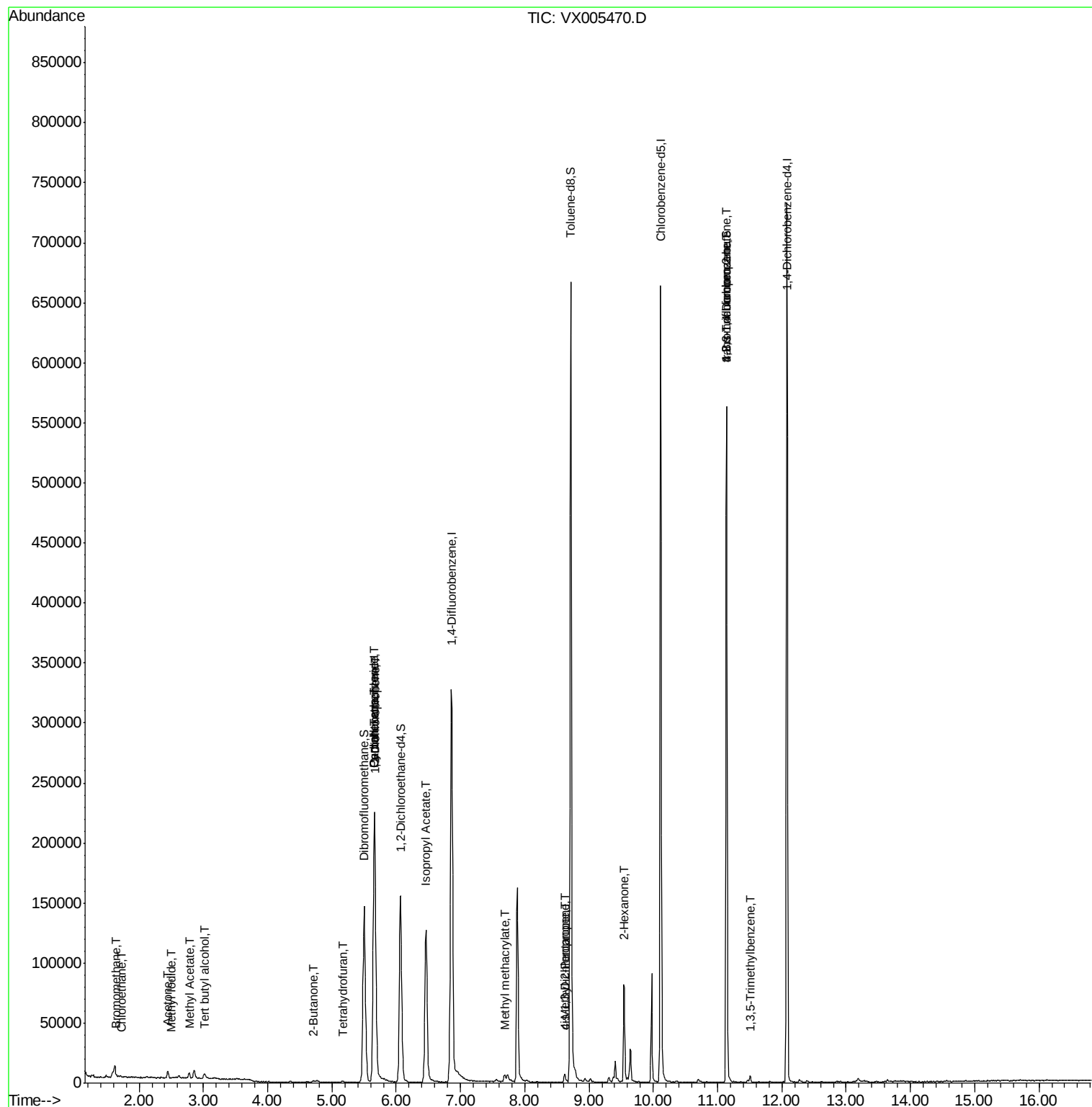
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	229612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	340005	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	312635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151163	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	151033	59.27	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	118.54%	
35) Dibromofluoromethane	5.50	113	115608	51.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.68%	
50) Toluene-d8	8.71	98	411462	53.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.44%	
62) 4-Bromofluorobenzene	11.14	95	136581	47.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.06%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	528	0.935	ug/l	87
6) Chloroethane	1.73	64	949	0.885	ug/l #	44
10) Methyl Iodide	2.51	142	490	2.698	ug/l #	47
11) Tert butyl alcohol	3.02	59	2435	3.387	ug/l #	80
13) Acrolein	2.28	56	26	Below Cal	#	1
16) Acetone	2.45	43	6181	4.195	ug/l	92
18) Methyl Acetate	2.78	43	5049	1.204	ug/l	97
25) 2-Butanone	4.71	43	2236	1.037	ug/l #	82
29) Tetrahydrofuran	5.17	42	1169	0.850	ug/l #	31
31) Cyclohexane	5.66	56	4321	1.234	ug/l #	4
36) 1,1-Dichloropropene	5.67	75	16572	5.033	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20555	6.212	ug/l #	15
43) Isopropyl Acetate	6.47	43	175354	31.085	ug/l	95
44) Trichloroethene	7.21	130	54	Below Cal		27
48) Methyl methacrylate	7.69	41	6442	2.202	ug/l #	20
51) 4-Methyl-2-Pentanone	8.63	43	2879	0.737	ug/l #	63
54) cis-1,3-Dichloropropene	8.62	75	967	0.279	ug/l #	70
59) 2-Hexanone	9.54	43	9510	3.027	ug/l #	54
76) 1,2,3-Trichloropropane	11.14	75	69244	23.616	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	2097	0.273	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.14	75	69244	71.755	ug/l #	10

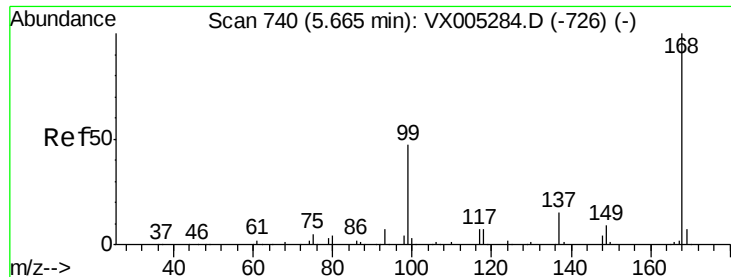
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX005470.D

Acq: 22 Oct 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

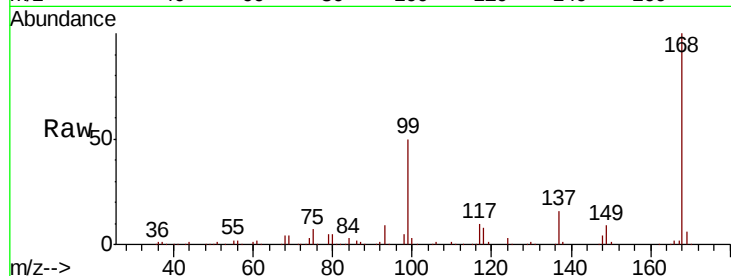
PB114041TB

Tot Ion:168 Resp: 229612

Ion Ratio Lower Upper

168 100

99 49.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

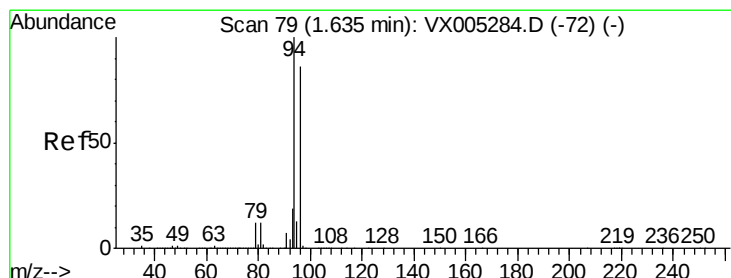
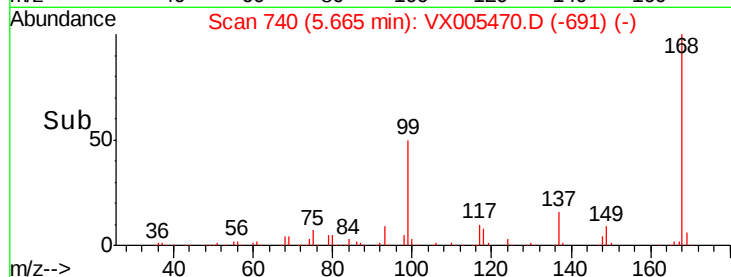
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.935 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005470.D

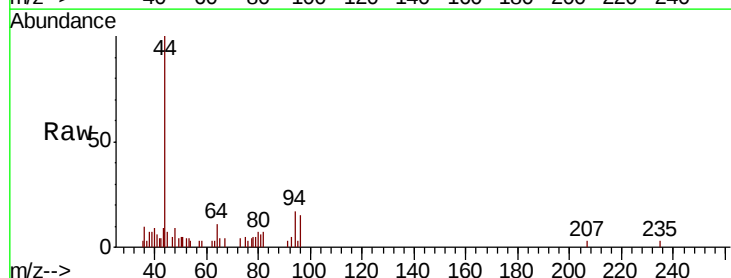
Acq: 22 Oct 2018 15:13

Tgt Ion: 94 Resp: 528

Ion Ratio Lower Upper

94 100

96 80.7 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

400

300

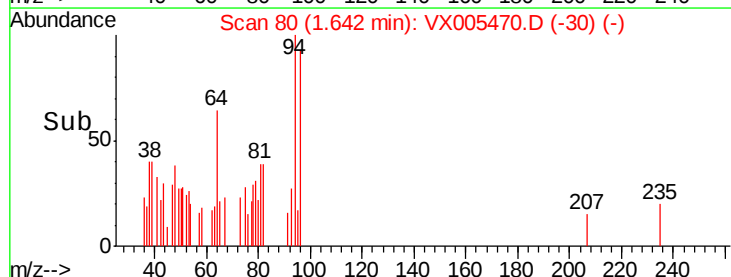
200

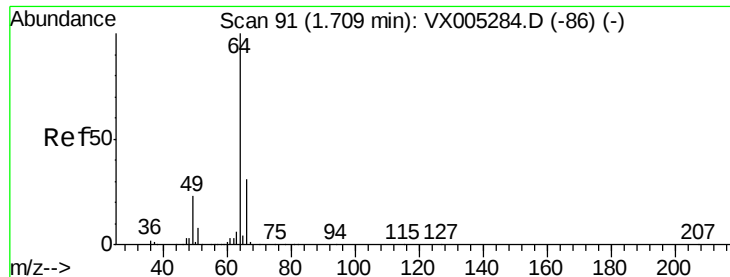
100

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: 0.885 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.02 min

Lab File: VX005470.D

Acq: 22 Oct 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

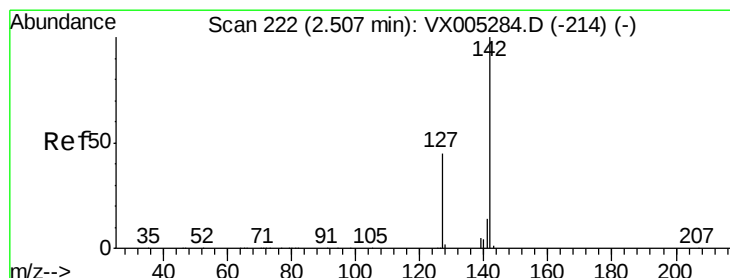
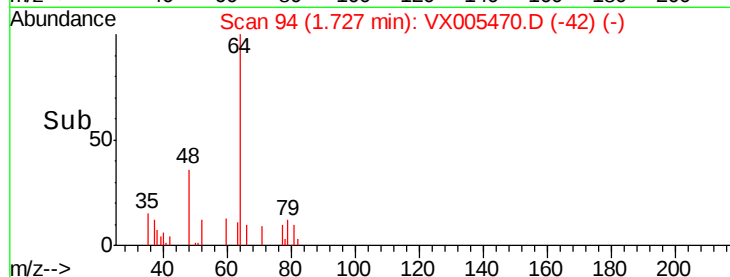
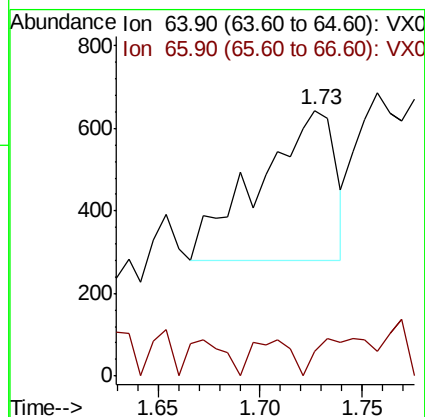
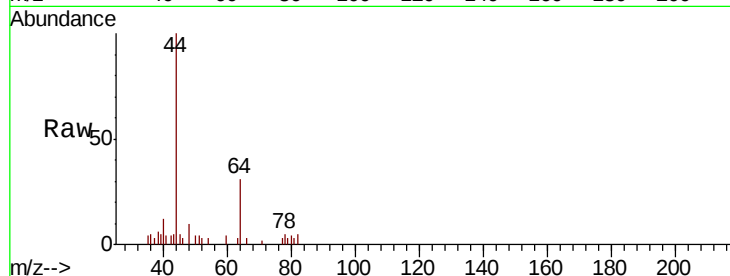
PB114041TB

Tot Ion: 64 Resp: 949

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



#10

Methyl Iodide

Concen: 2.698 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005470.D

Acq: 22 Oct 2018 15:13

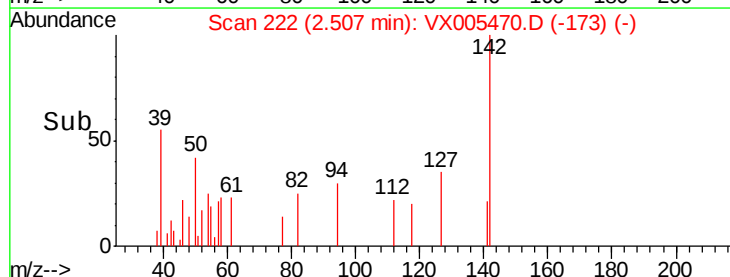
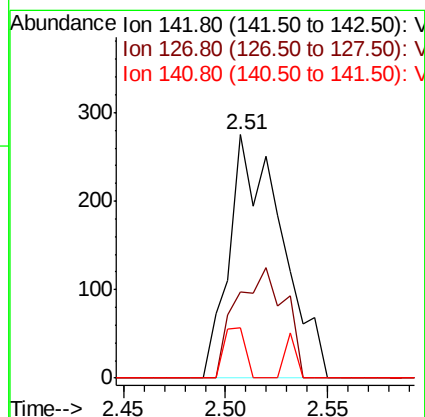
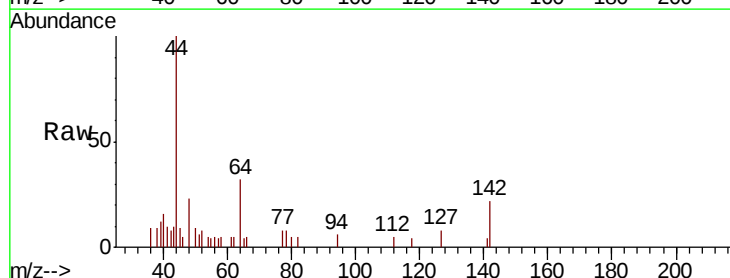
Tgt Ion: 142 Resp: 490

Ion Ratio Lower Upper

142 100

127 0.0 33.8 50.6#

141 8.4 11.4 17.0#

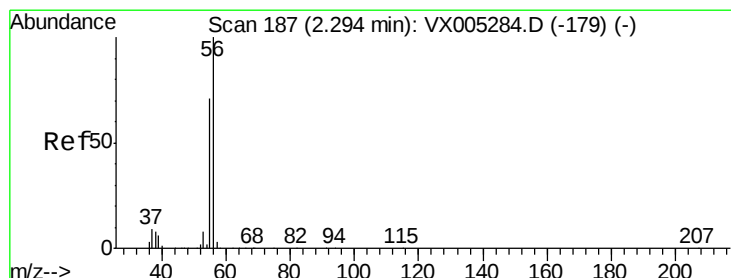
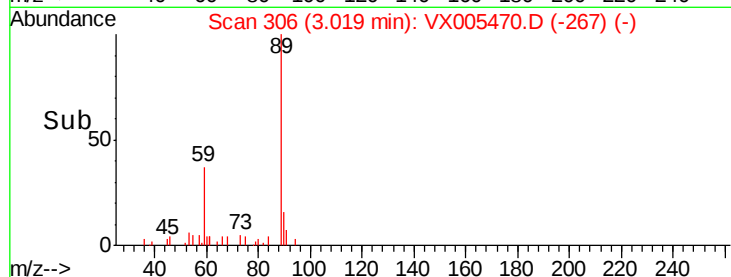
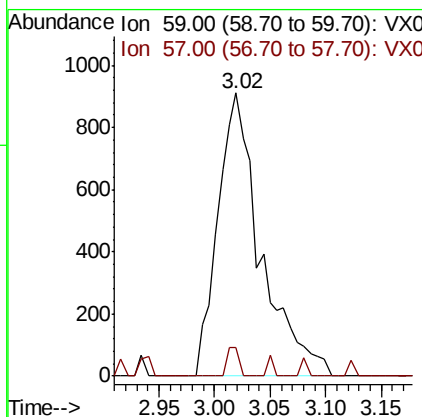
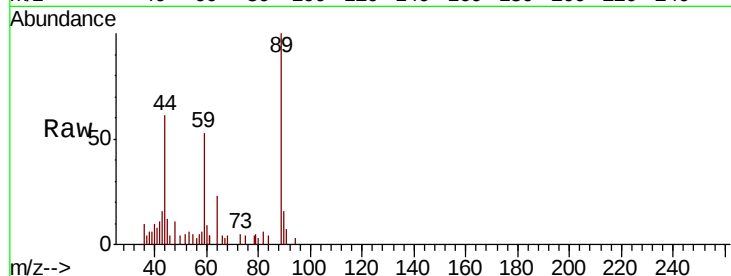




#11
Tert butyl alcohol
Concen: 3.387 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005470.D
Acq: 22 Oct 2018 15:13

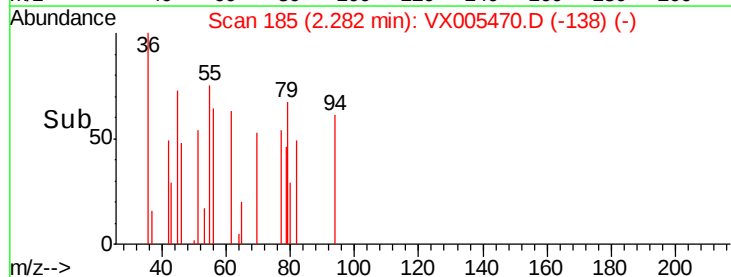
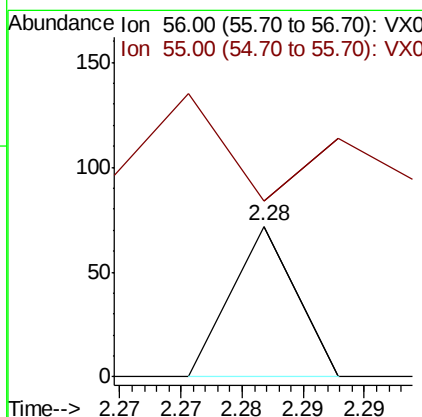
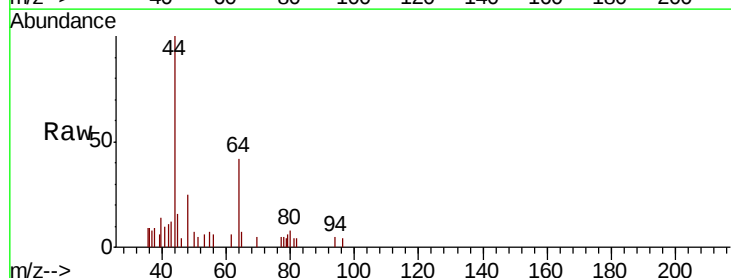
Instrument :
MSVOA_X
ClientSampled :
PB114041TB

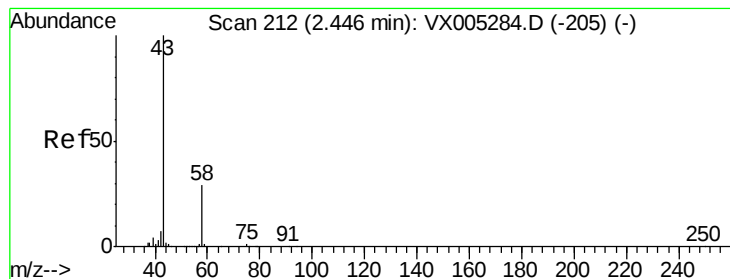
Tot Ion: 59 Resp: 2435
Ion Ratio Lower Upper
59 100
57 2.8 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX005470.D
Acq: 22 Oct 2018 15:13

Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 1000.0 54.7 82.1#





#16

Acetone

Concen: 4.195 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005470.D

Acq: 22 Oct 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

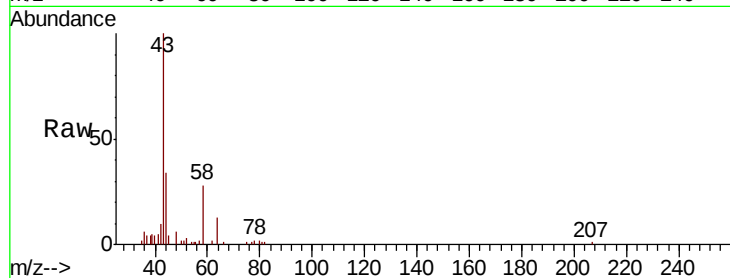
PB114041TB

Tot Ion: 43 Resp: 6181

Ion Ratio Lower Upper

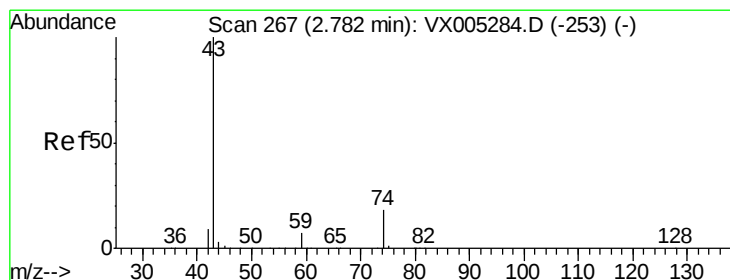
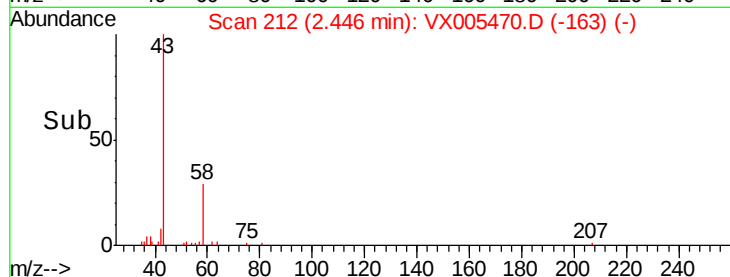
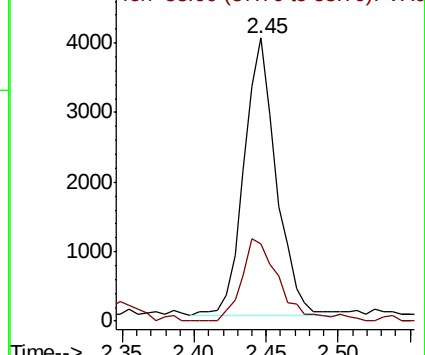
43 100

58 28.1 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 1.204 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005470.D

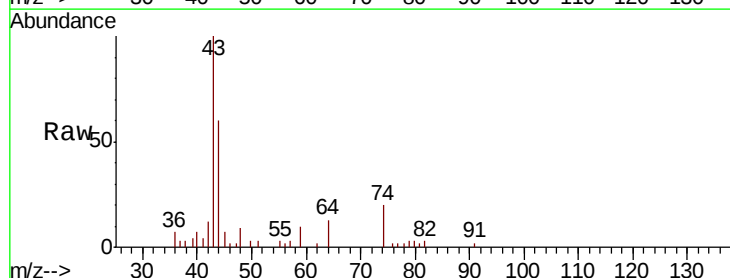
Acq: 22 Oct 2018 15:13

Tgt Ion: 43 Resp: 5049

Ion Ratio Lower Upper

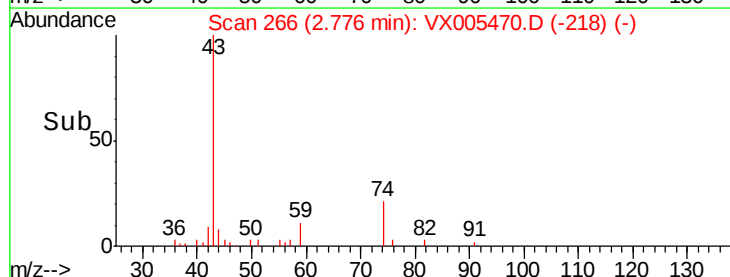
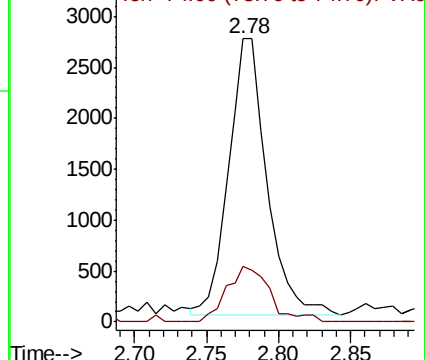
43 100

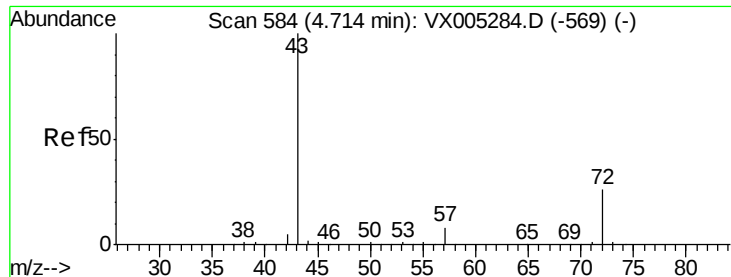
74 22.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 1.037 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.00 min

Lab File: VX005470.D

Acq: 22 Oct 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

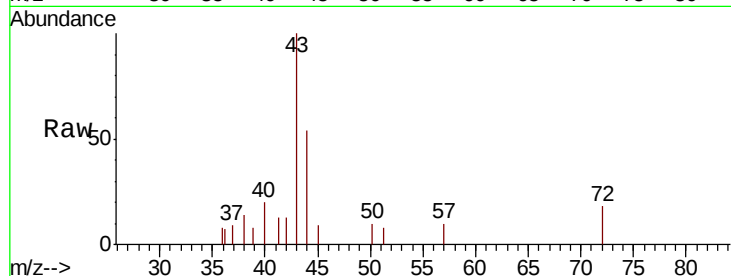
PB114041TB

Tot Ion: 43 Resp: 2236

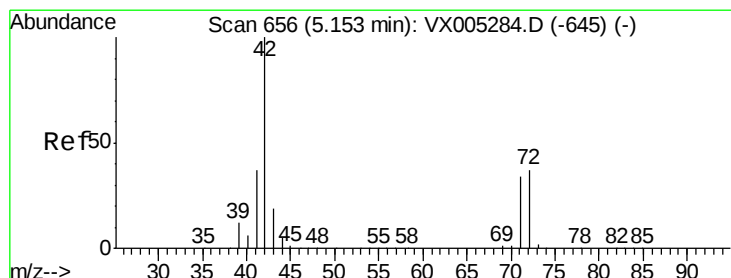
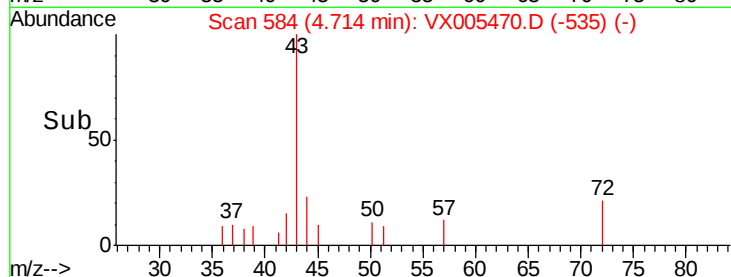
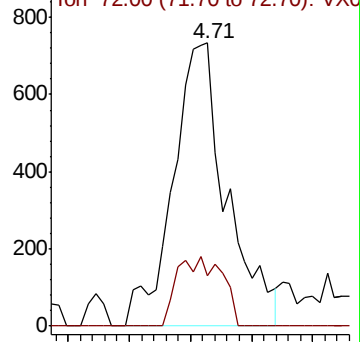
Ion Ratio Lower Upper

43 100

72 18.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#29

Tetrahydrofuran

Concen: 0.850 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX005470.D

Acq: 22 Oct 2018 15:13

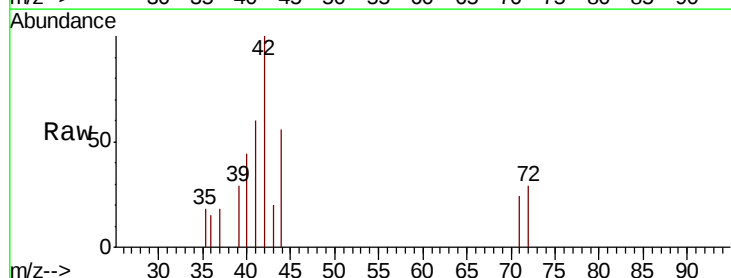
Tgt Ion: 42 Resp: 1169

Ion Ratio Lower Upper

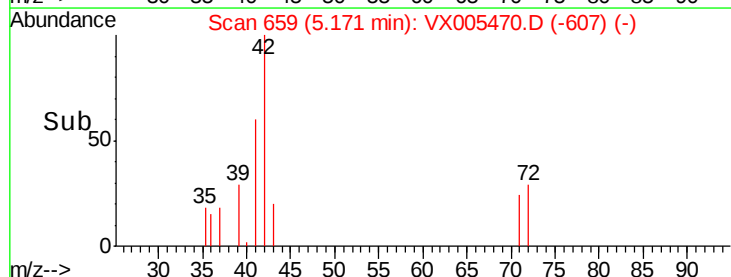
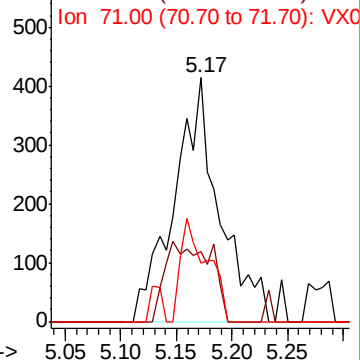
42 100

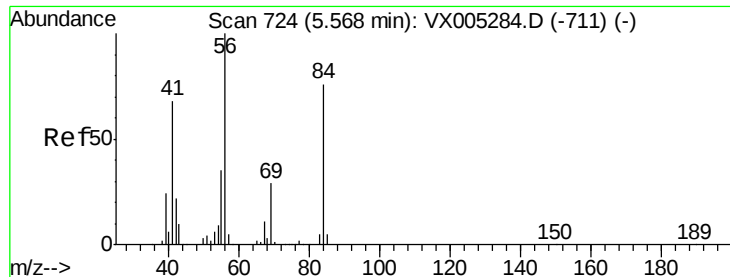
72 0.0 37.4 56.0#

71 0.0 34.5 51.7#



Abundance Ion 42.00 (41.70 to 42.70): VX0

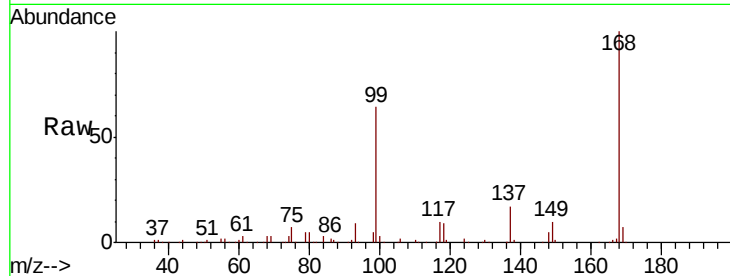




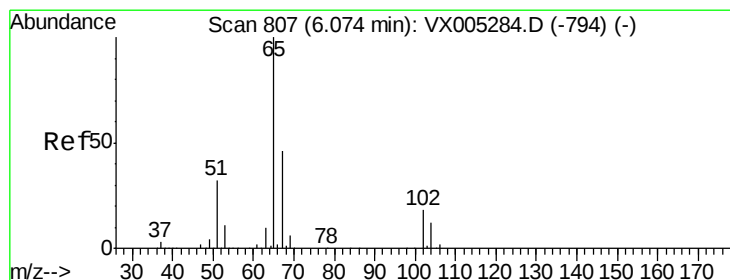
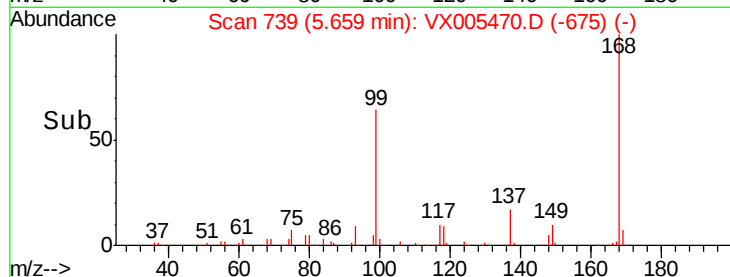
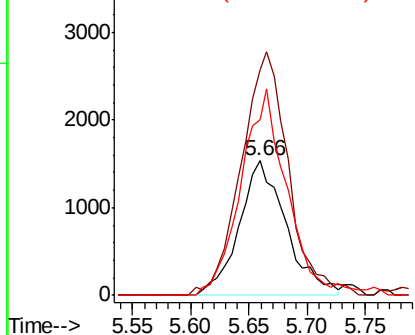
#31
Cyclohexane
Concen: 1.234 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005470.D
Acq: 22 Oct 2018 15:13

Instrument :
MSVOA_X
ClientSampleId :
PB114041TB

Tot Ion: 56 Resp: 4321
Ion Ratio Lower Upper
56 100
69 167.3 25.4 38.2#
84 130.2 71.4 107.2#

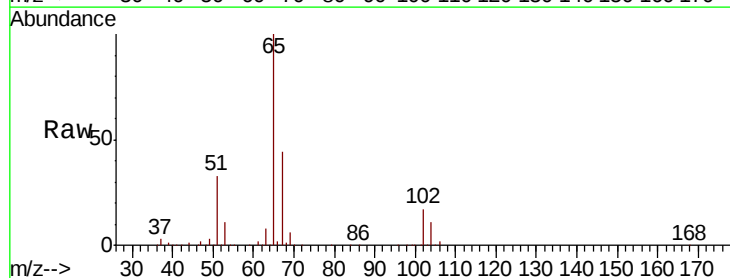


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

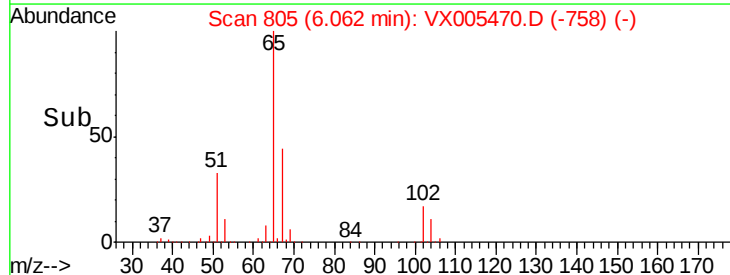
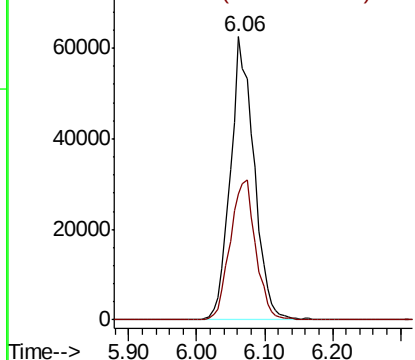


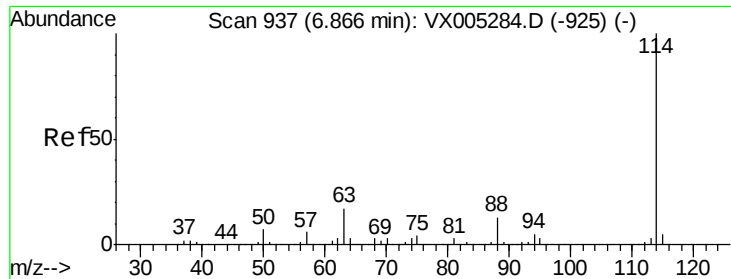
#33
1,2-Dichloroethane-d4
Concen: 59.267 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX005470.D
Acq: 22 Oct 2018 15:13

Tgt Ion: 65 Resp: 151033
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

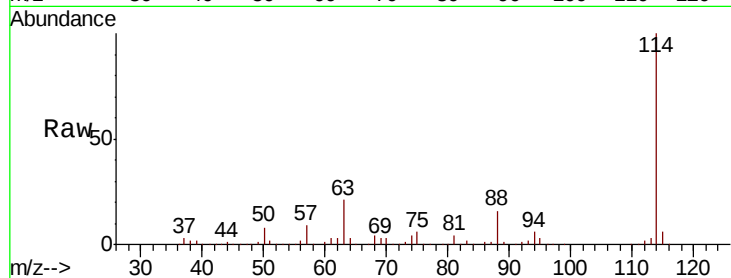




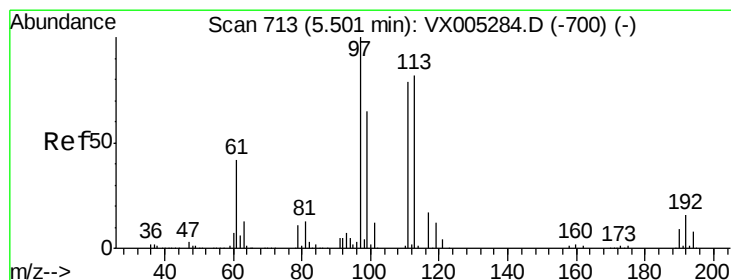
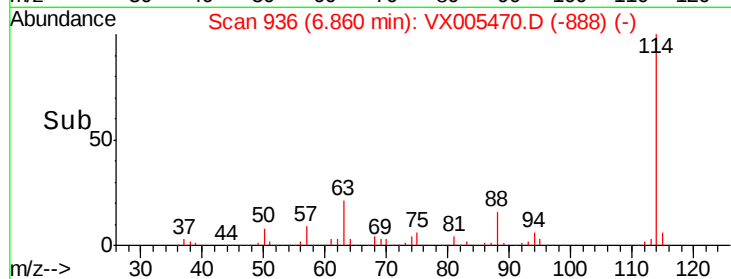
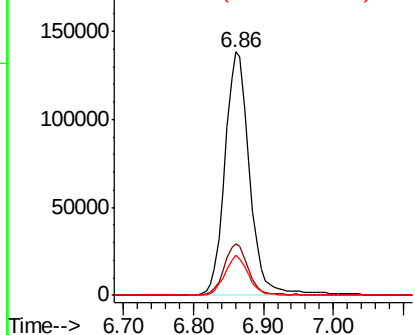
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.01 min
Lab File: VX005470.D
Acq: 22 Oct 2018 15:13

Instrument :
MSVOA_X
ClientSampleId :
PB114041TB

Tot Ion:114 Resp: 340005
Ion Ratio Lower Upper
114 100
63 21.4 0.0 39.0
88 16.3 0.0 30.4

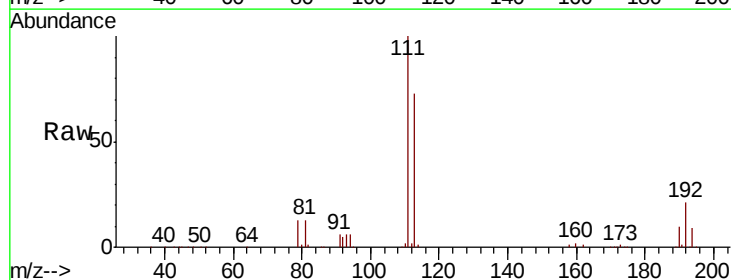


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

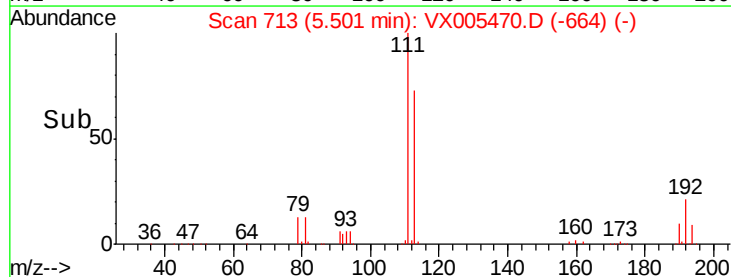
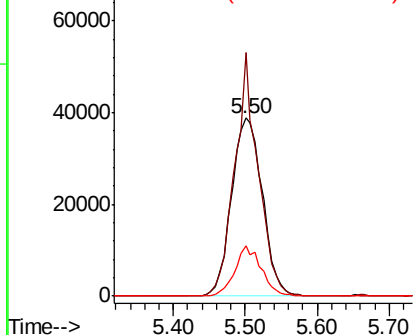


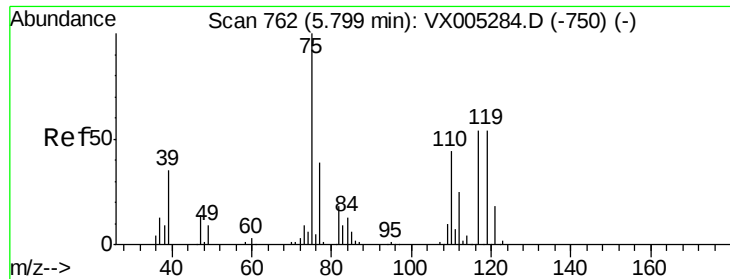
#35
Dibromofluoromethane
Concen: 51.337 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX005470.D
Acq: 22 Oct 2018 15:13

Tgt Ion:113 Resp: 115608
Ion Ratio Lower Upper
113 100
111 103.9 82.4 123.6
192 24.0 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: 5.033 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.13 min

Lab File: VX005470.D

Acq: 22 Oct 2018 15:13

Instrument :

MSVOA_X

ClientSampled :

PB114041TB

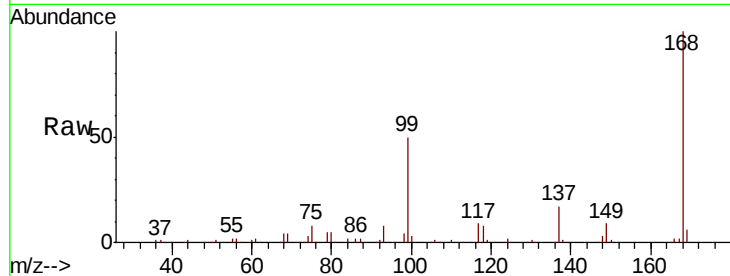
Tot Ion: 75 Resp: 16572

Ion Ratio Lower Upper

75 100

110 8.6 18.0 54.0#

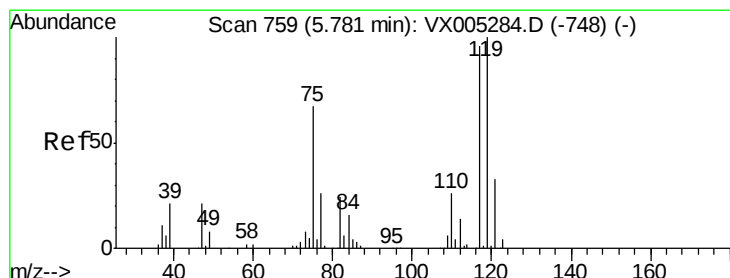
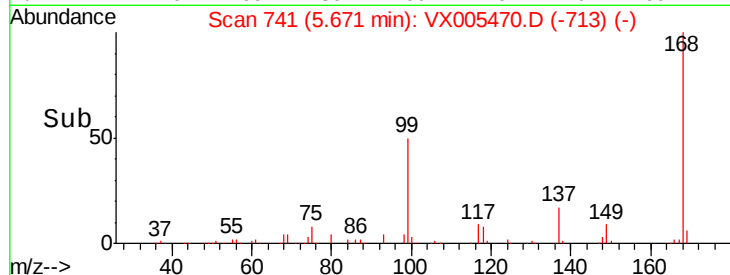
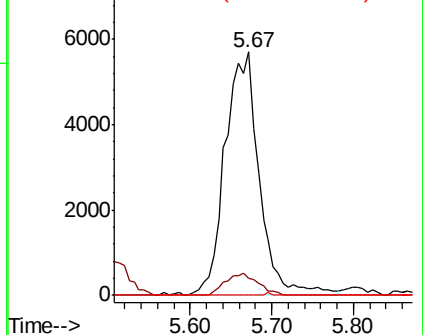
77 0.0 24.6 36.8#



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: 6.212 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005470.D

Acq: 22 Oct 2018 15:13

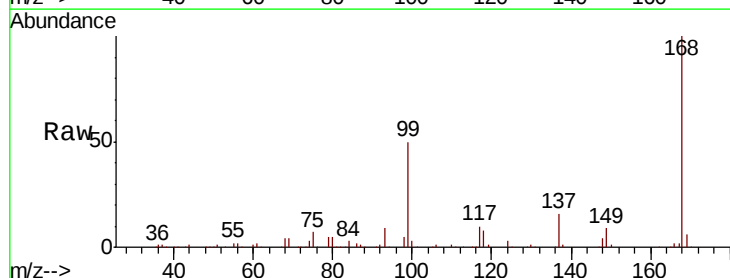
Tgt Ion: 117 Resp: 20555

Ion Ratio Lower Upper

117 100

119 5.8 78.8 118.2#

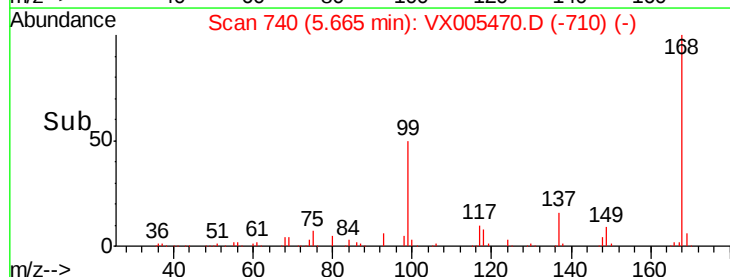
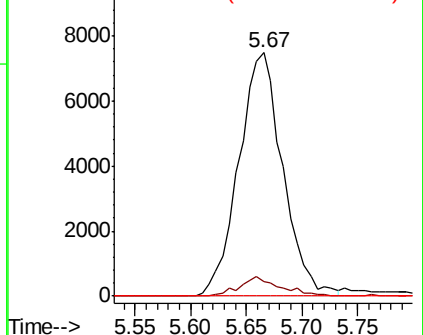
121 0.0 24.9 37.3#

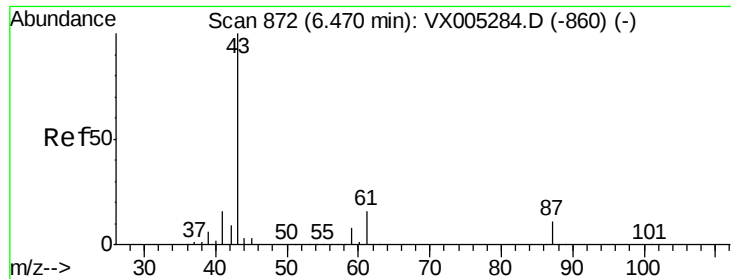


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



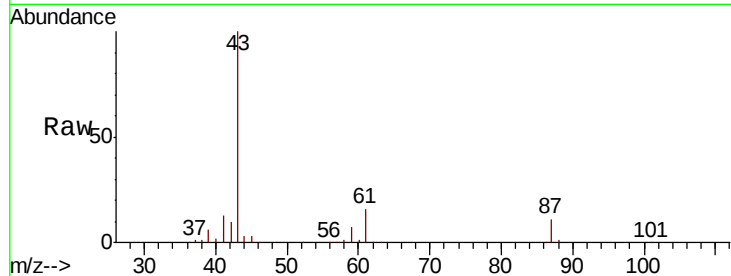


#43

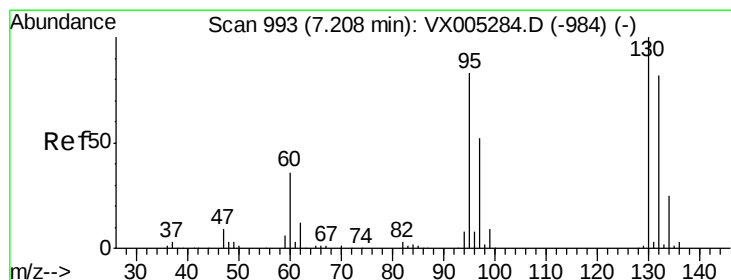
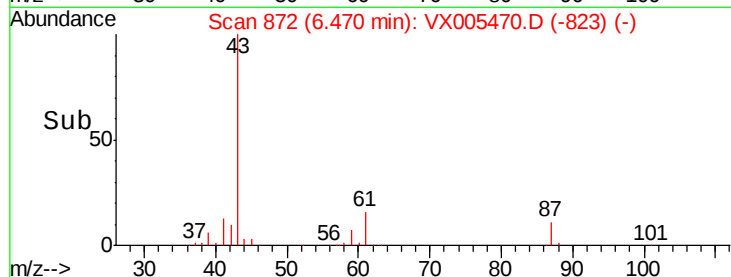
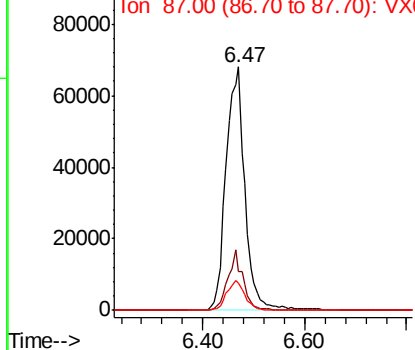
Isopropyl Acetate
 Concen: 31.085 ug/l
 RT: 6.47 min Scan# 872
 Delta R.T. 0.00 min
 Lab File: VX005470.D
 Acq: 22 Oct 2018 15:13

Instrument :
 MSVOA_X
 ClientSampleID :
 PB114041TB

Tot Ion: 43 Resp: 175354
 Ion Ratio Lower Upper
 43 100
 61 19.7 17.0 25.4
 87 11.6 11.4 17.2



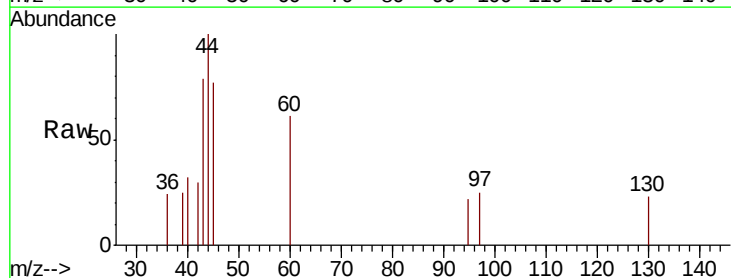
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



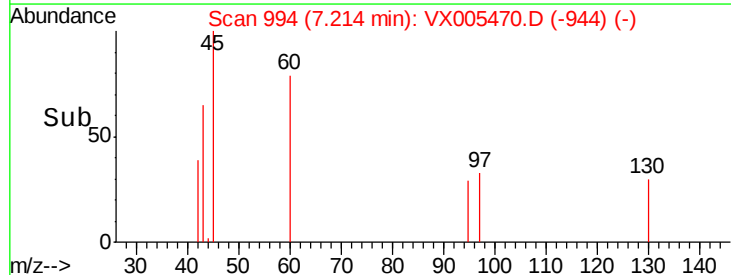
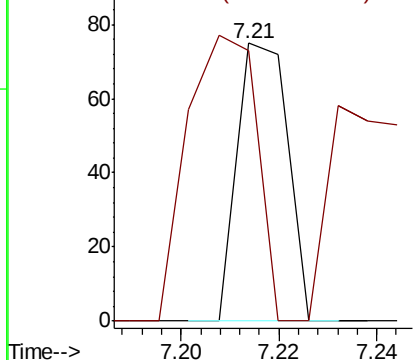
#44

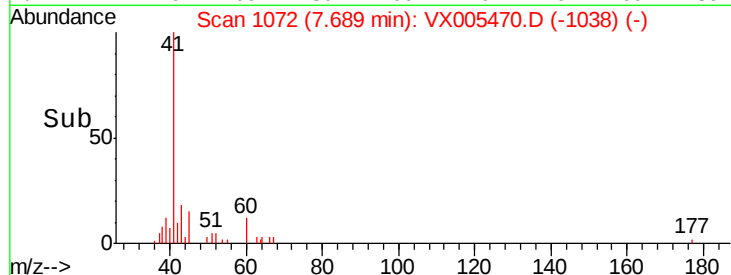
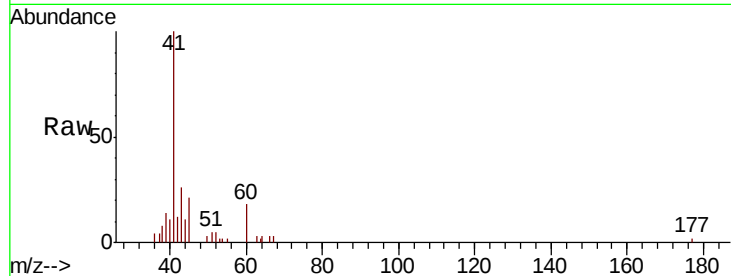
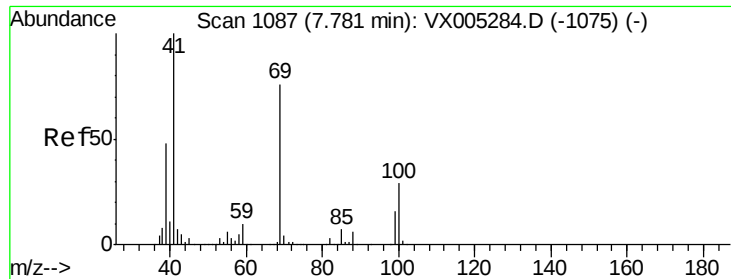
Trichloroethene
 Concen: Below Cal
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005470.D
 Acq: 22 Oct 2018 15:13

Tgt Ion: 130 Resp: 54
 Ion Ratio Lower Upper
 130 100
 95 21.3 0.0 181.6



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

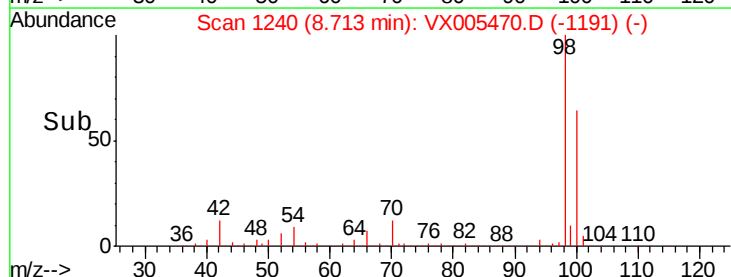
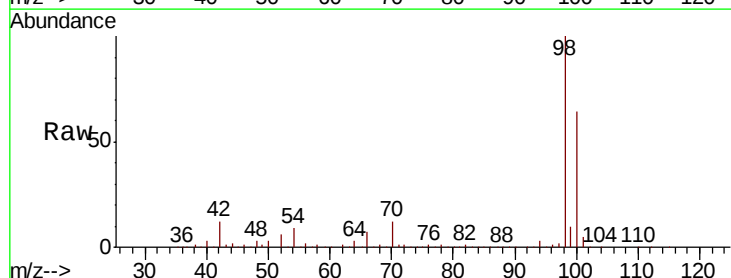
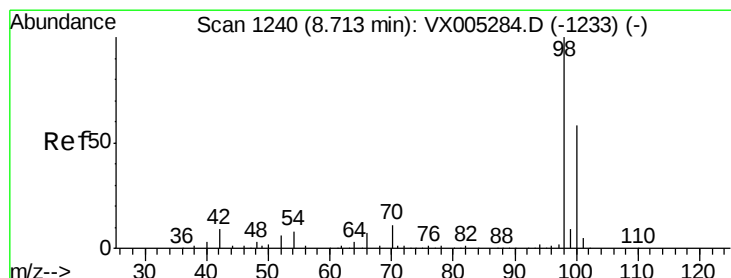
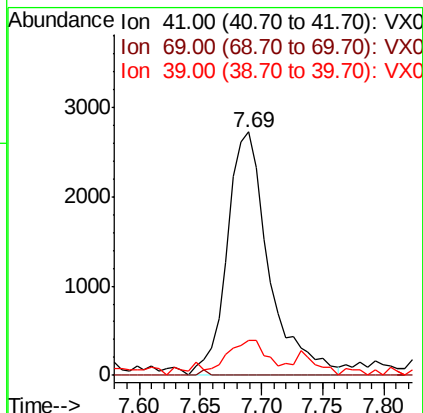




#48
Methvl methacrylate
Concen: 2.202 ug/l
RT: 7.69 min Scan# 1072
Delta R.T. -0.09 min
Lab File: VX005470.D
Acq: 22 Oct 2018 15:13

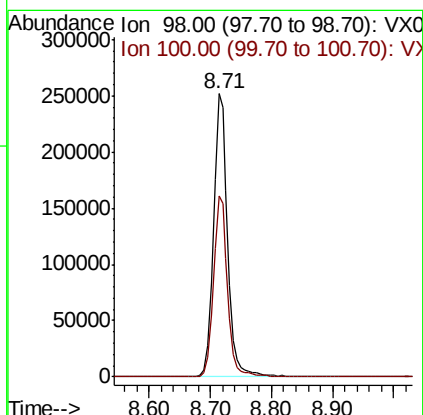
Instrument :
MSVOA_X
ClientSampleId :
PB114041TB

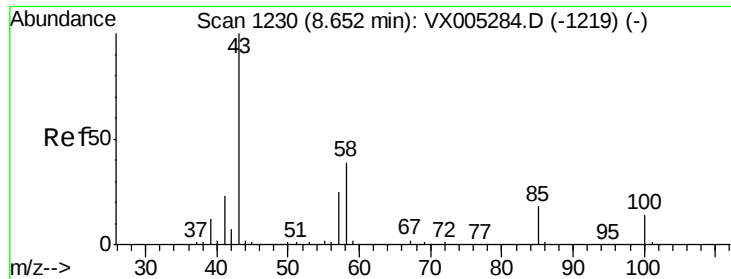
Tot Ion: 41 Resp: 6442
Ion Ratio Lower Upper
41 100
69 0.0 70.2 105.4#
39 13.5 42.7 64.1#



#50
Toluene-d8
Concen: 53.222 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005470.D
Acq: 22 Oct 2018 15:13

Tgt Ion: 98 Resp: 411462
Ion Ratio Lower Upper
98 100
100 64.0 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 0.737 ug/l

RT: 8.63 min Scan# 1226

Delta R.T. -0.02 min

Lab File: VX005470.D

Acq: 22 Oct 2018 15:13

Instrument :

MSVOA_X

ClientSampleID :

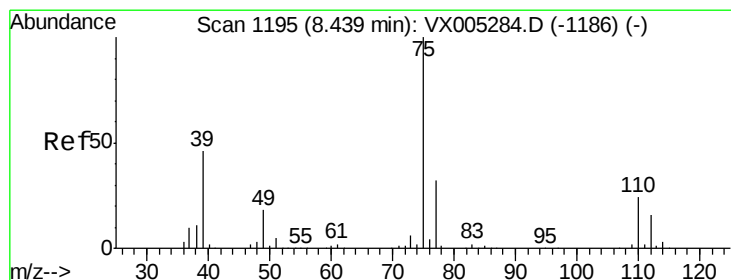
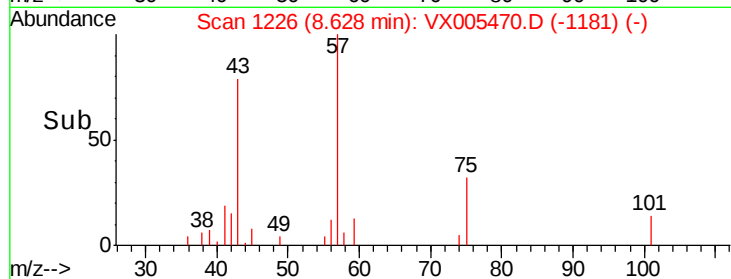
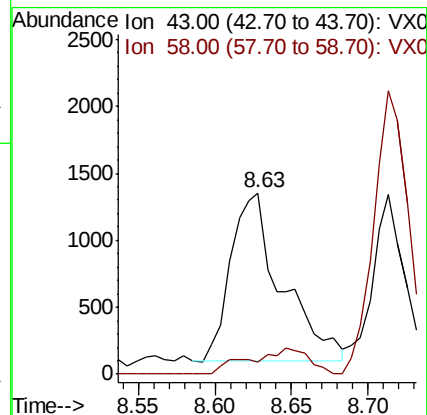
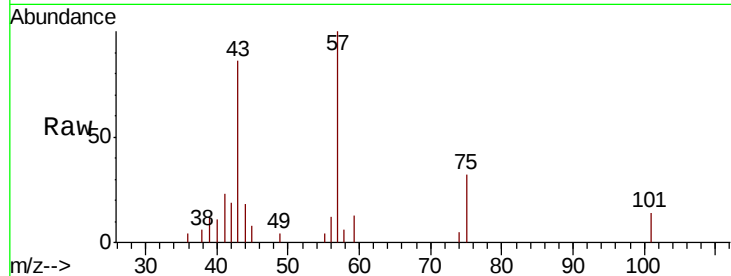
PB114041TB

Tot Ion: 43 Resp: 2879

Ion Ratio Lower Upper

43 100

58 18.1 33.1 49.7#



#54

cis-1,3-Dichloropropene

Concen: 0.279 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. 0.18 min

Lab File: VX005470.D

Acq: 22 Oct 2018 15:13

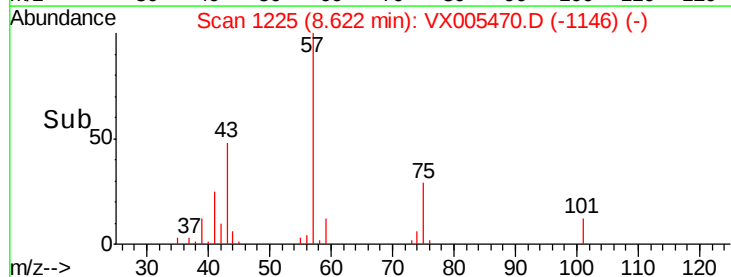
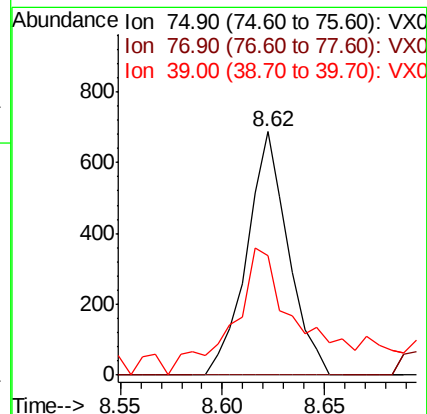
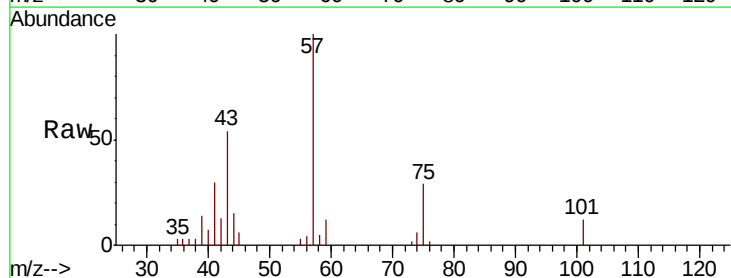
Tgt Ion: 75 Resp: 967

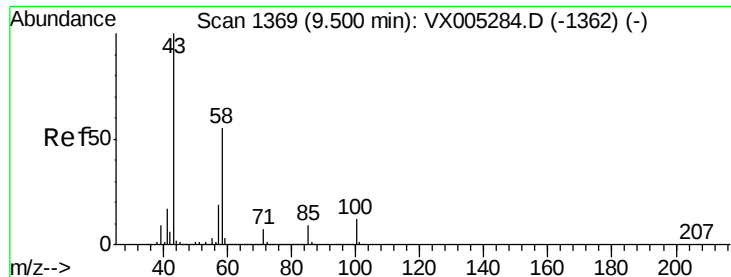
Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.2#

39 39.5 36.4 54.6

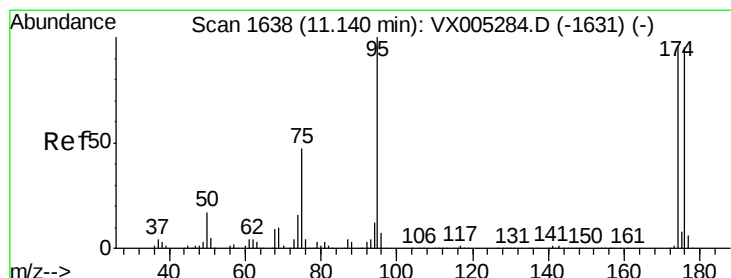
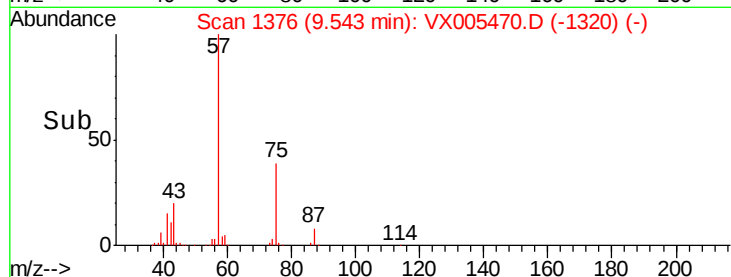
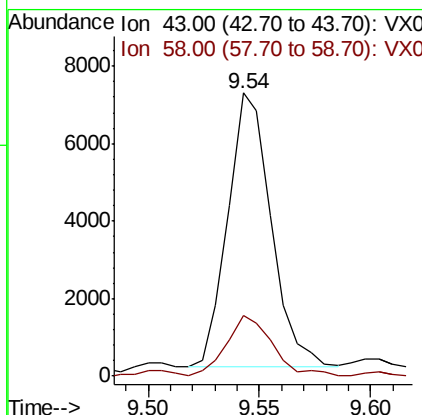
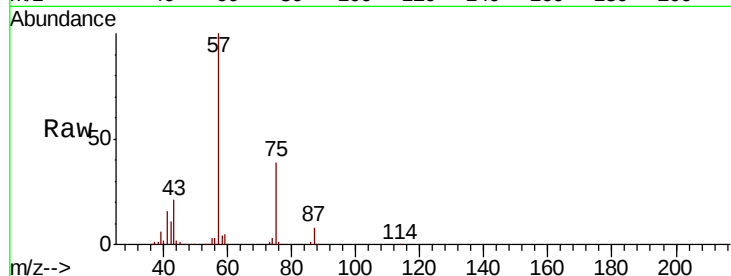




#59
2-Hexanone
Concen: 3.027 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.04 min
Lab File: VX005470.D
Acq: 22 Oct 2018 15:13

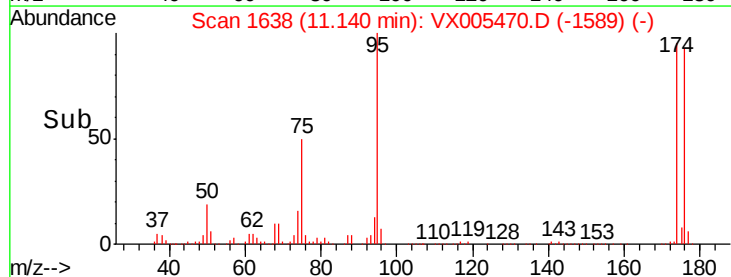
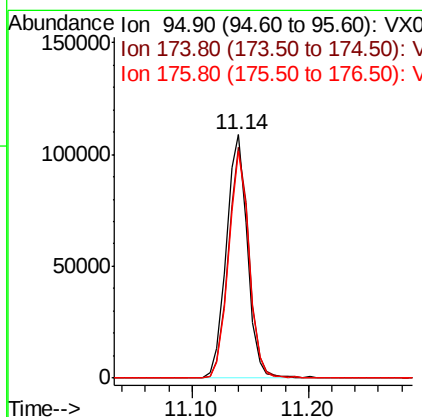
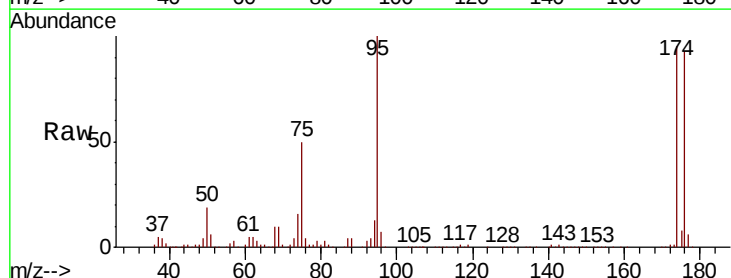
Instrument :
MSVOA_X
ClientSampleId :
PB114041TB

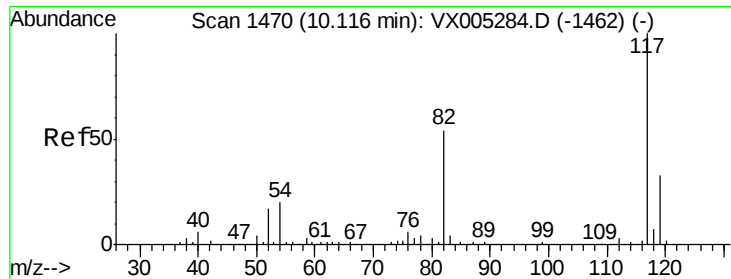
Tot Ion: 43 Resp: 9510
Ion Ratio Lower Upper
43 100
58 23.6 29.0 87.0#



#62
4-Bromofluorobenzene
Concen: 47.027 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005470.D
Acq: 22 Oct 2018 15:13

Tgt Ion: 95 Resp: 136581
Ion Ratio Lower Upper
95 100
174 93.8 0.0 185.2
176 90.9 0.0 178.6

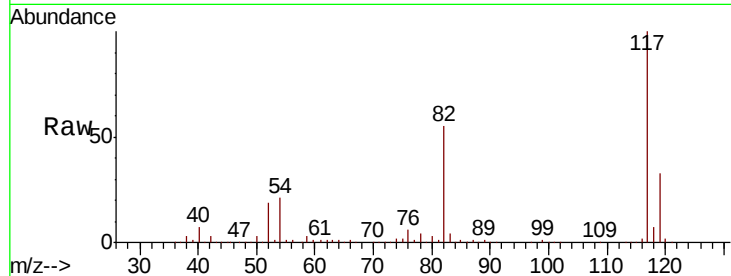




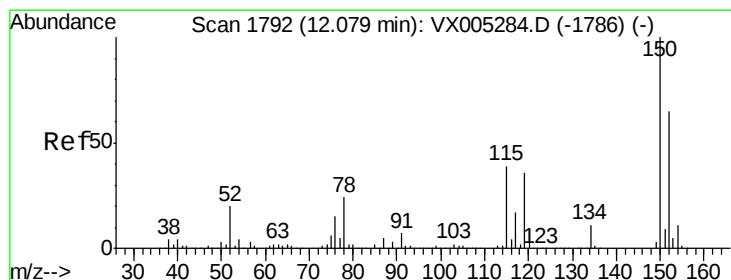
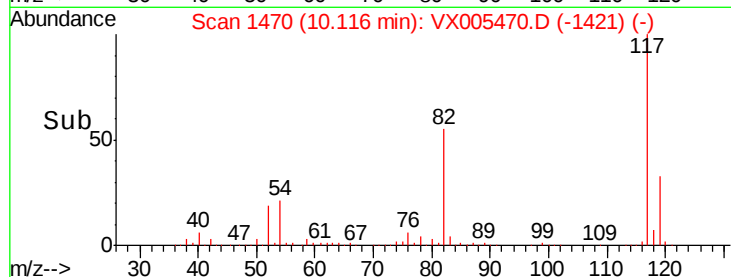
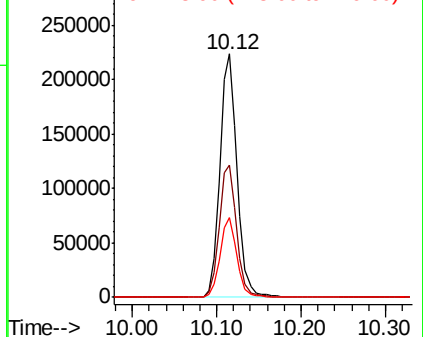
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005470.D
Acq: 22 Oct 2018 15:13

Instrument :
MSVOA_X
ClientSampleId :
PB114041TB

Tot Ion:117 Resp: 312635
Ion Ratio Lower Upper
117 100
82 54.5 47.8 71.6
119 32.5 29.3 43.9

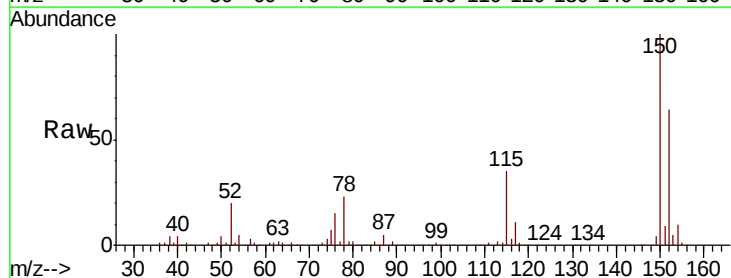


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

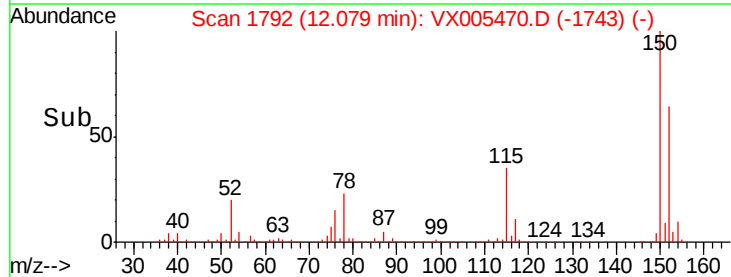
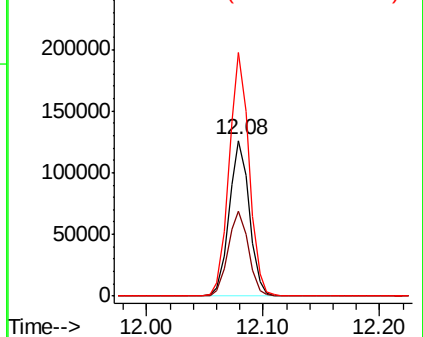


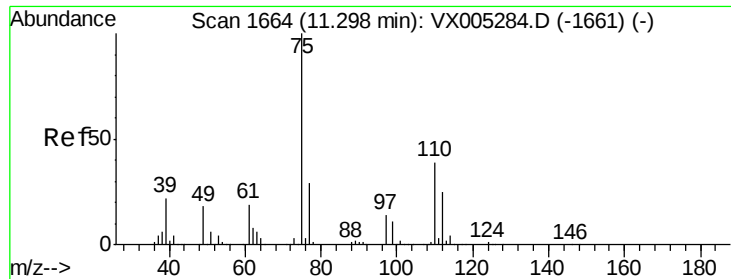
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005470.D
Acq: 22 Oct 2018 15:13

Tgt Ion:152 Resp: 151163
Ion Ratio Lower Upper
152 100
115 55.4 39.0 117.0
150 155.8 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: 23.616 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005470.D

Acq: 22 Oct 2018 15:13

Instrument :

MSVOA_X

ClientSampled :

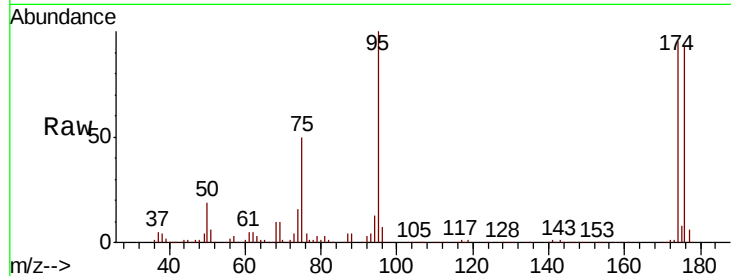
PB114041TB

Tot Ion: 75 Resp: 69244

Ion Ratio Lower Upper

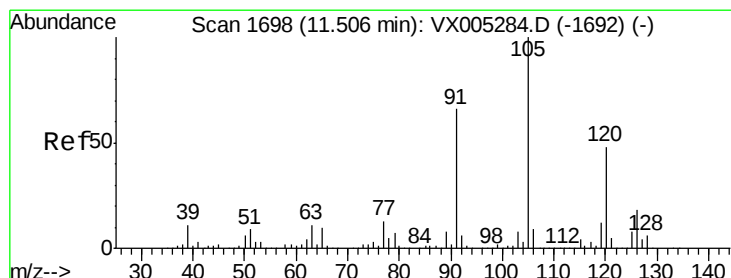
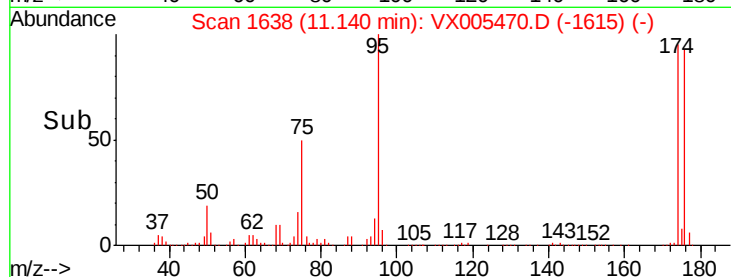
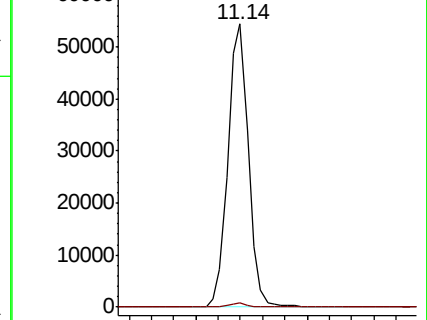
75 100

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: 0.273 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005470.D

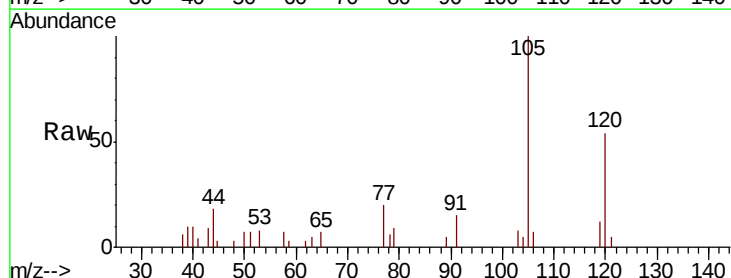
Acq: 22 Oct 2018 15:13

Tgt Ion:105 Resp: 2097

Ion Ratio Lower Upper

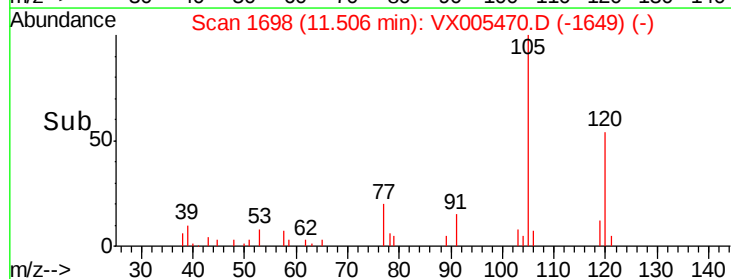
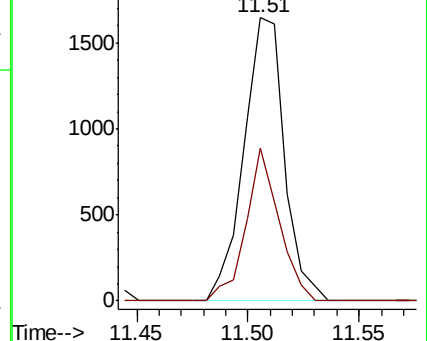
105 100

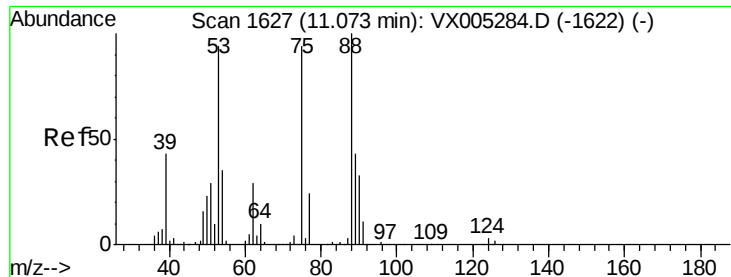
120 44.1 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 71.755 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005470.D

Acq: 22 Oct 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

PB114041TB

Tot Ion: 75 Resp: 69244

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#

