

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005475.D
 Acq On : 22 Oct 2018 17:26
 Operator : JC/MD
 Sample : PB114041ZHE#05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114041ZHE#05

Quant Time: Oct 23 01:28:03 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

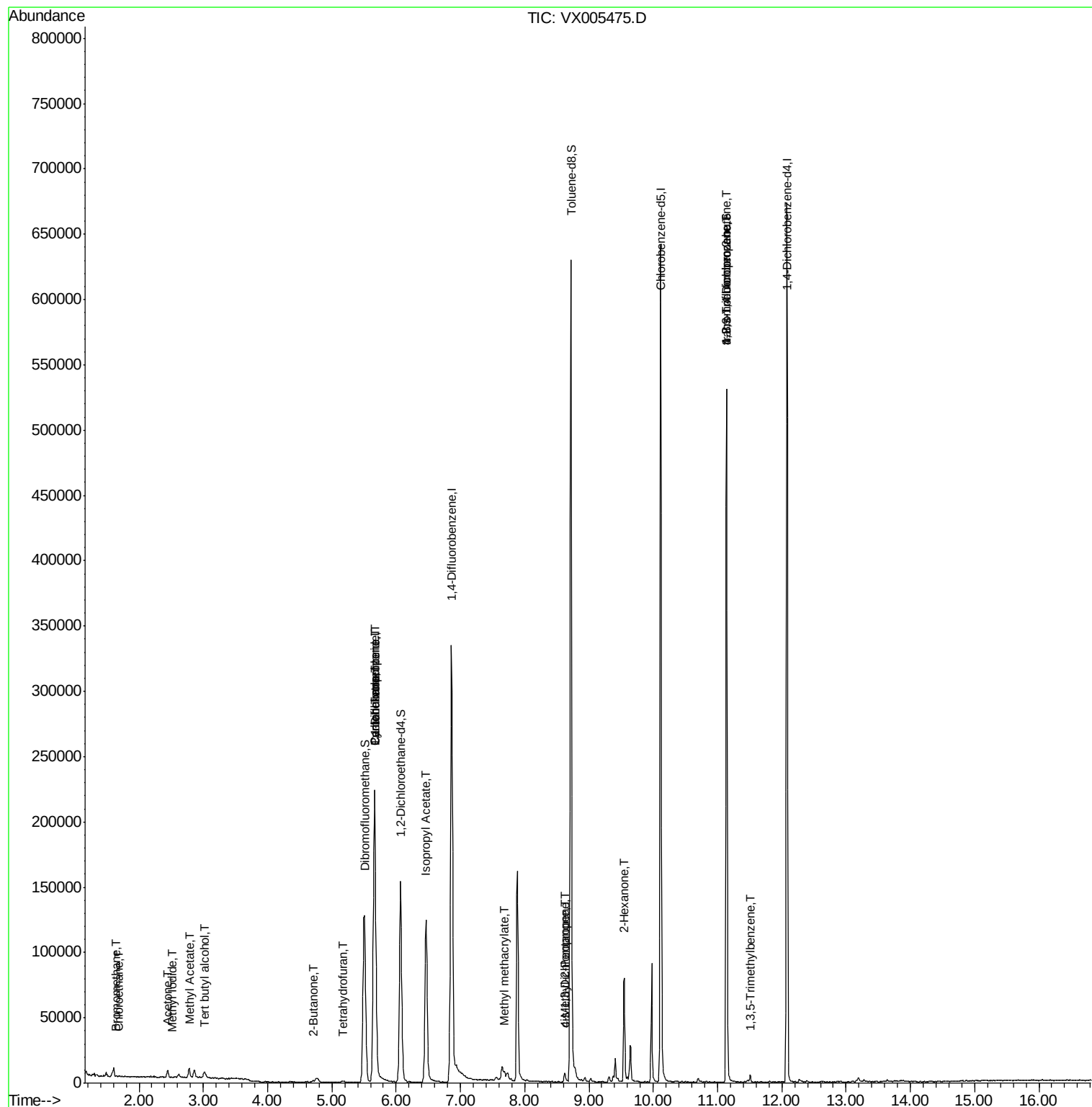
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	221712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	338968	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	301567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	140910	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	139042	56.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.02%	
35) Dibromofluoromethane	5.51	113	116407	51.85	ug/l	0.01
Spiked Amount 50.000			Recovery	=	103.70%	
50) Toluene-d8	8.72	98	398405	51.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.38%	
62) 4-Bromofluorobenzene	11.14	95	129938	44.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.76%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.65	94	288	0.782	ug/l #	70
6) Chloroethane	1.68	64	97	0.393	ug/l #	44
10) Methyl Iodide	2.51	142	123	2.543	ug/l #	80
11) Tert butyl alcohol	3.02	59	3212	4.627	ug/l #	86
13) Acrolein	2.28	56	55	Below Cal	#	16
16) Acetone	2.45	43	6093	4.283	ug/l	98
18) Methyl Acetate	2.78	43	8855	2.188	ug/l	95
20) Methylene Chloride	2.85	84	2463	Below Cal		97
25) 2-Butanone	4.71	43	2308	1.109	ug/l	97
29) Tetrahydrofuran	5.17	42	1051	0.792	ug/l #	70
31) Cyclohexane	5.67	56	4284	1.267	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15411	4.694	ug/l #	41
38) Carbon Tetrachloride	5.66	117	20900	6.336	ug/l #	16
43) Isopropyl Acetate	6.46	43	162771	28.943	ug/l	96
44) Trichloroethene	7.20	130	42	Below Cal		4
48) Methyl methacrylate	7.68	41	6421	2.201	ug/l #	22
51) 4-Methyl-2-Pentanone	8.62	43	3105	0.797	ug/l #	43
54) cis-1,3-Dichloropropene	8.62	75	1114	0.322	ug/l #	66
59) 2-Hexanone	9.54	43	8996	2.872	ug/l #	52
76) 1,2,3-Trichloropropane	11.14	75	65439	23.942	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	1926	0.268	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.14	75	65439	72.747	ug/l #	10

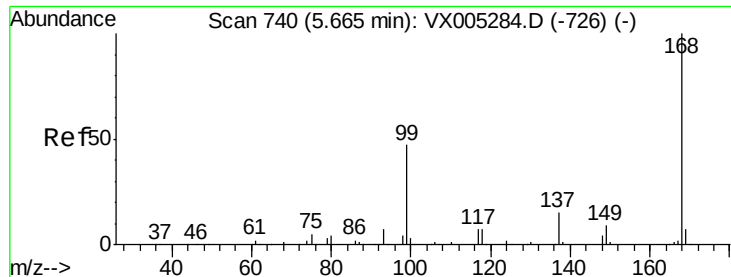
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX005475.D

Acq: 22 Oct 2018 17:26

Instrument :

MSVOA_X

ClientSampleId :

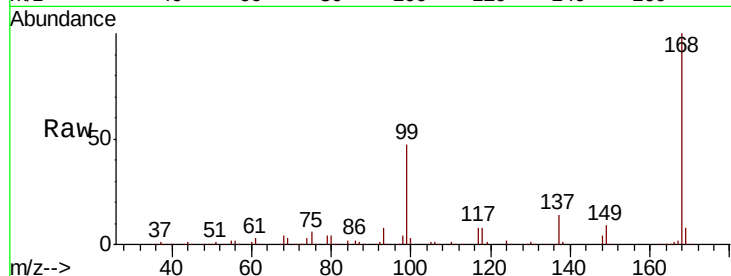
PB114041ZHE#05

Tot Ion:168 Resp: 221712

Ion Ratio Lower Upper

168 100

99 47.3 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

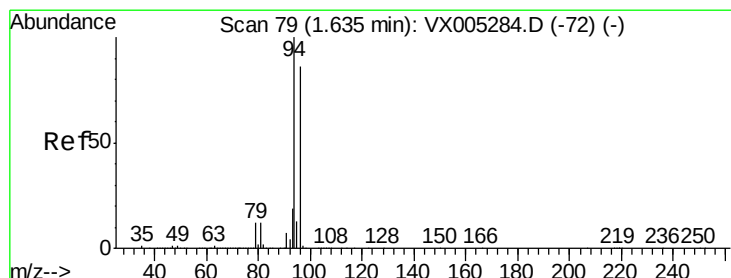
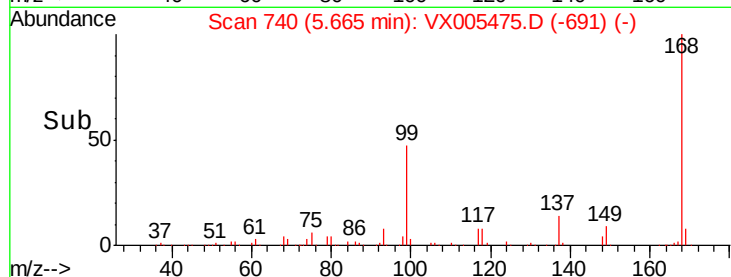
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.782 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005475.D

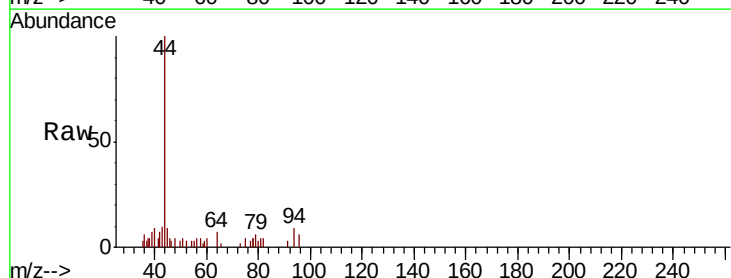
Acq: 22 Oct 2018 17:26

Tgt Ion: 94 Resp: 288

Ion Ratio Lower Upper

94 100

96 64.7 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

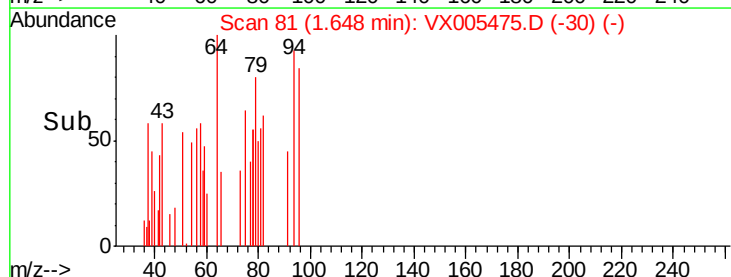
150

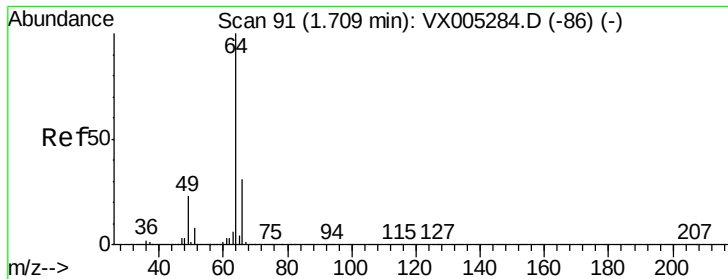
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.393 ug/l

RT: 1.68 min Scan# 86

Delta R.T. -0.03 min

Lab File: VX005475.D

Acq: 22 Oct 2018 17:26

Instrument :

MSVOA_X

ClientSampleId :

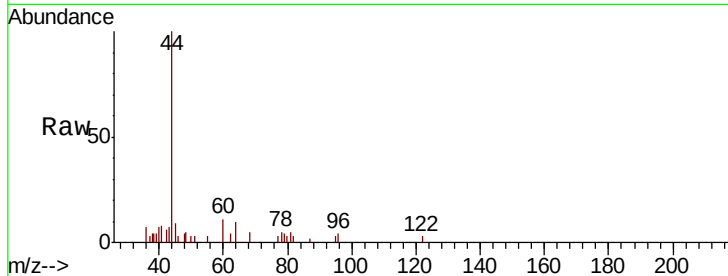
PB114041ZHE#05

Tot Ion: 64 Resp: 97

Ion Ratio Lower Upper

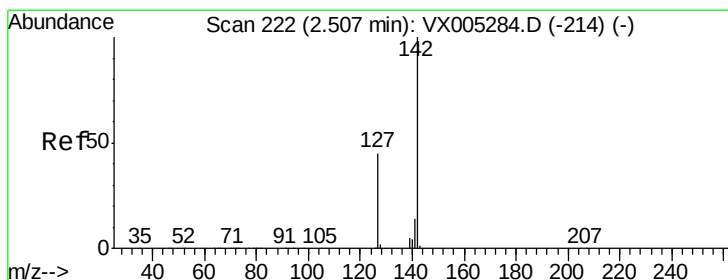
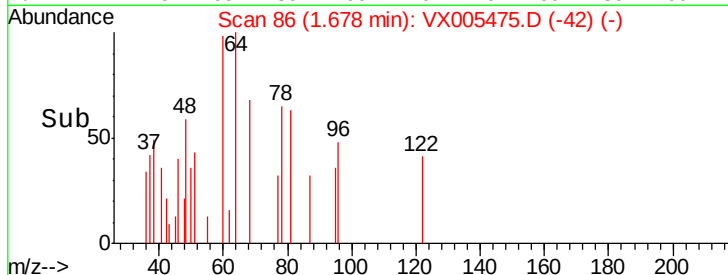
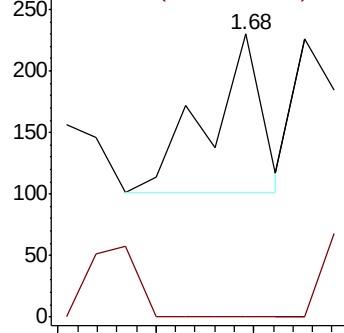
64 100

66 0.0 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: 2.543 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005475.D

Acq: 22 Oct 2018 17:26

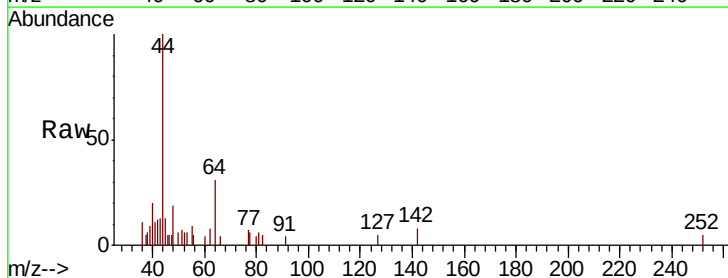
Tgt Ion: 142 Resp: 123

Ion Ratio Lower Upper

142 100

127 32.5 33.8 50.6#

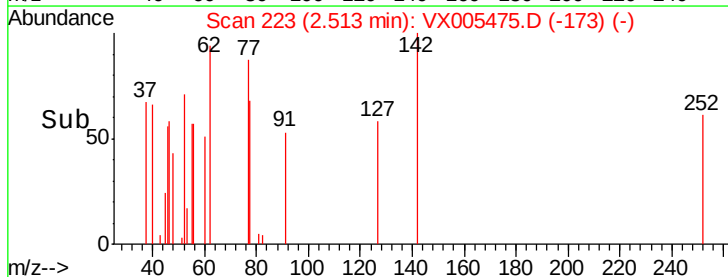
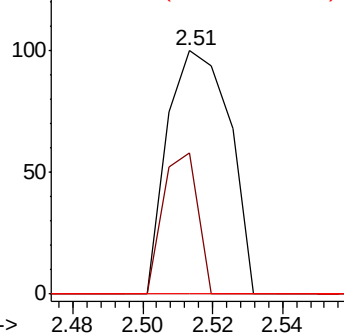
141 0.0 11.4 17.0#

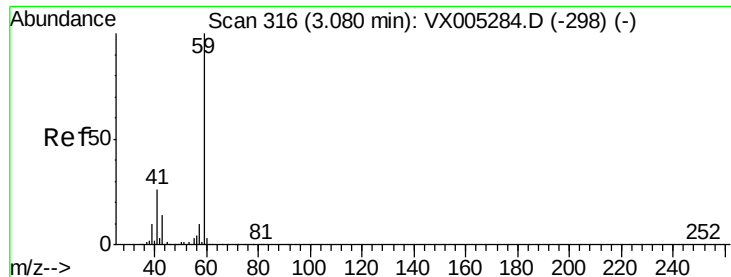


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

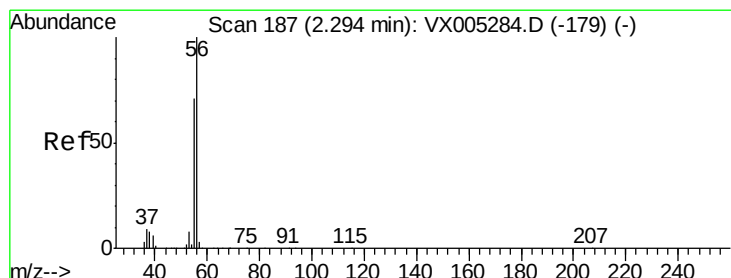
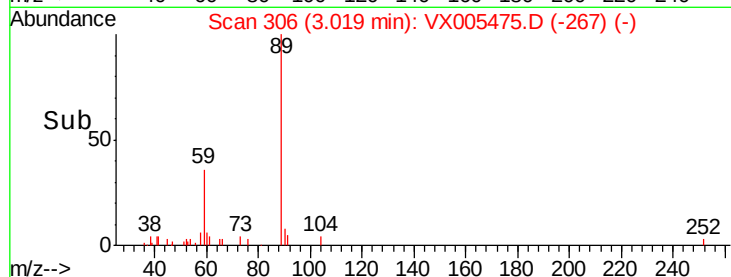
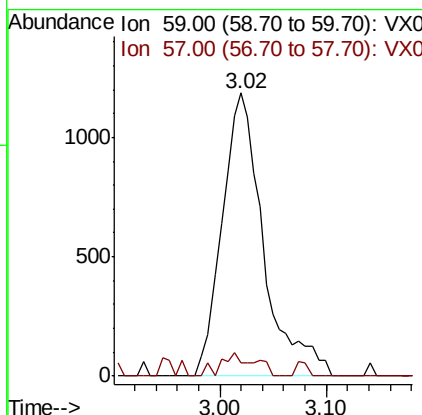
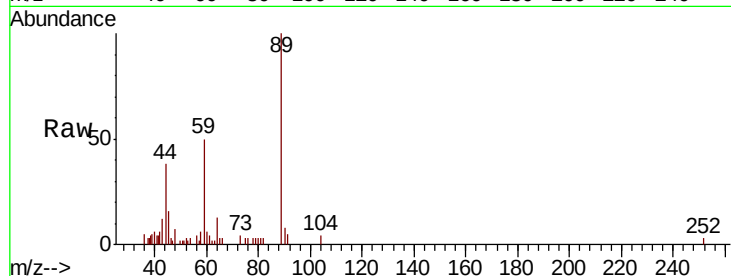




#11
Tert butyl alcohol
Concen: 4.627 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005475.D
Acq: 22 Oct 2018 17:26

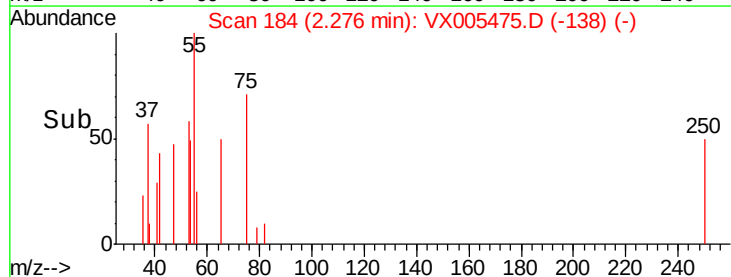
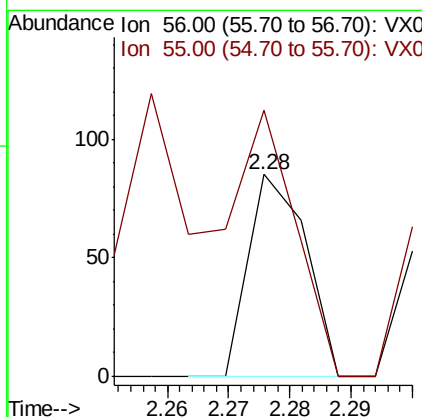
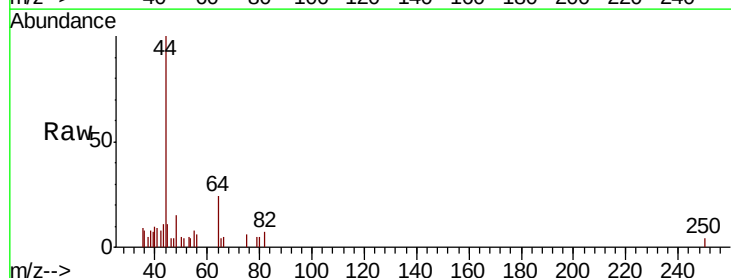
Instrument :
MSVOA_X
ClientSampleId :
PB114041ZHE#05

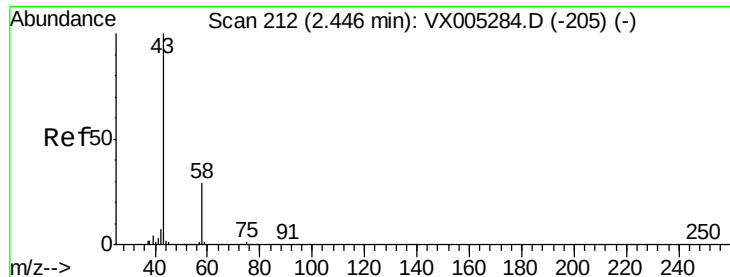
Tot Ion: 59 Resp: 3212
Ion Ratio Lower Upper
59 100
57 5.1 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 2.28 min Scan# 184
Delta R.T. -0.02 min
Lab File: VX005475.D
Acq: 22 Oct 2018 17:26

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





#16

Acetone

Concen: 4.283 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005475.D

Acq: 22 Oct 2018 17:26

Instrument :

MSVOA_X

ClientSampleId :

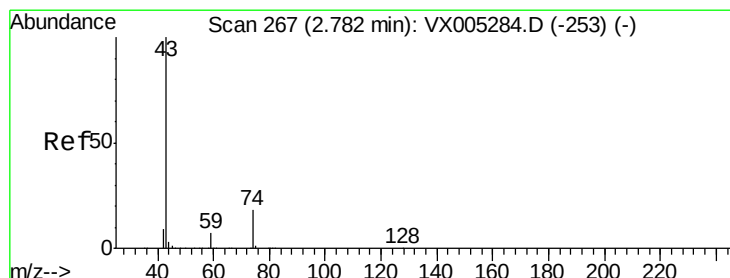
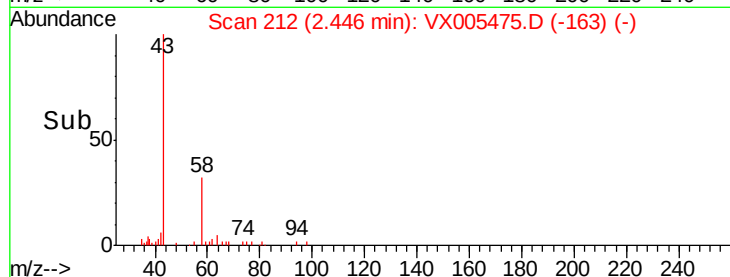
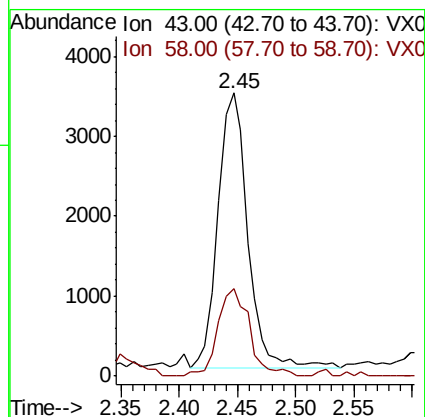
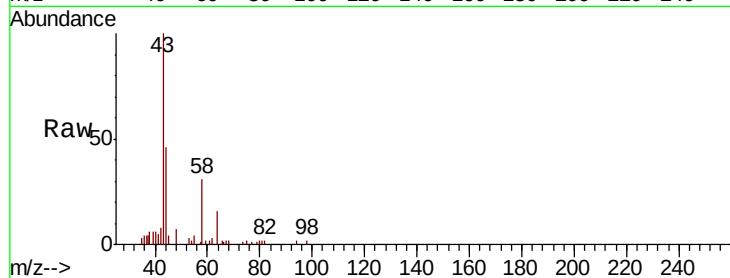
PB114041ZHE#05

Tot Ion: 43 Resp: 6093

Ion Ratio Lower Upper

43 100

58 31.9 26.2 39.4



#18

Methyl Acetate

Concen: 2.188 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005475.D

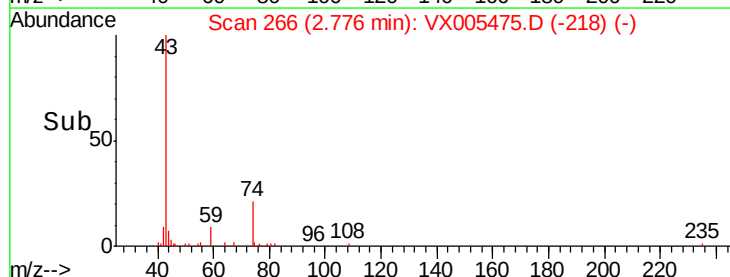
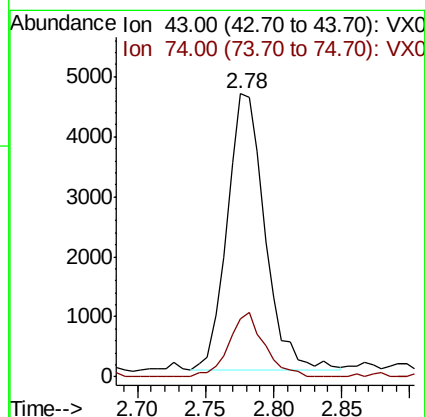
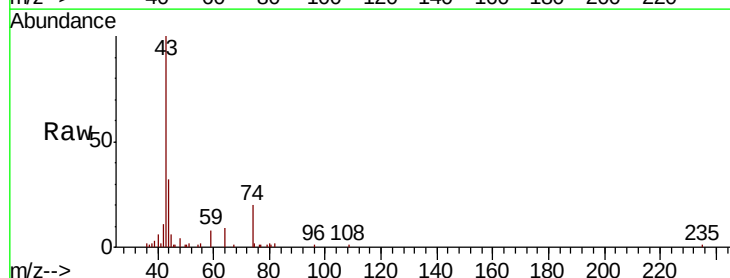
Acq: 22 Oct 2018 17:26

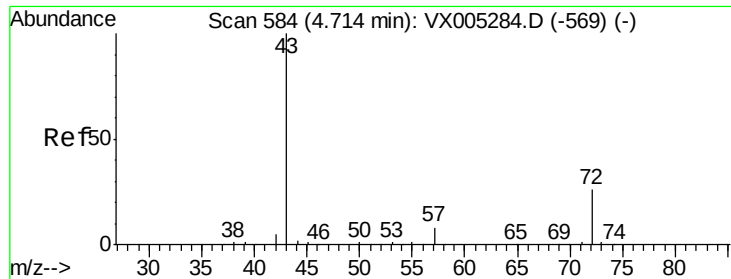
Tgt Ion: 43 Resp: 8855

Ion Ratio Lower Upper

43 100

74 22.0 19.4 29.2

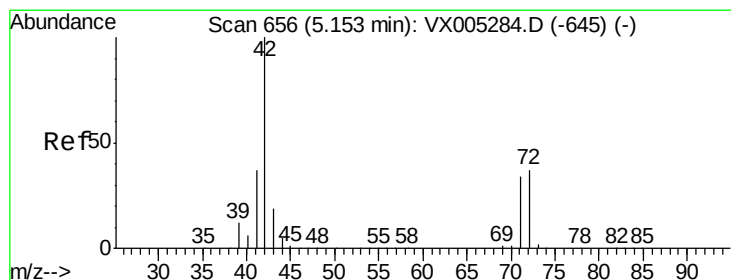
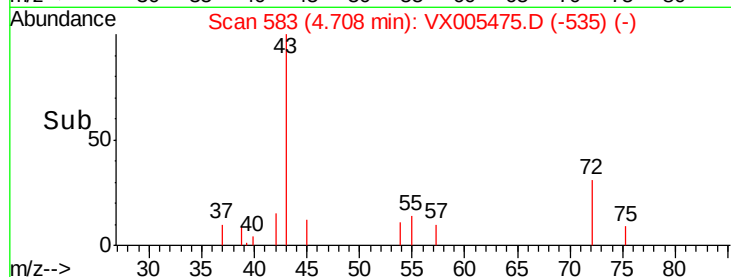
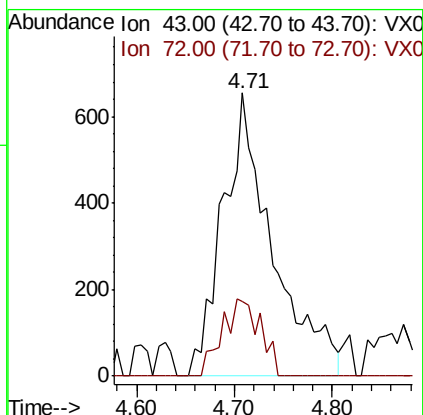
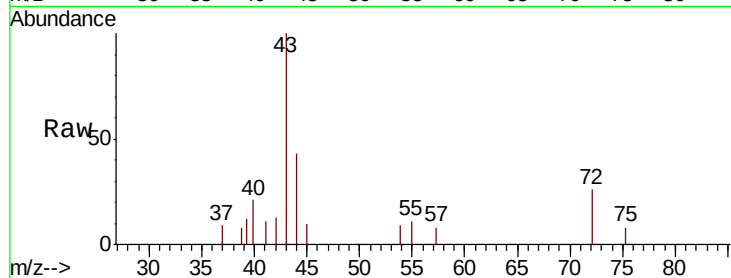




#25
2-Butanone
Concen: 1.109 ug/l
RT: 4.71 min Scan# 583
Delta R.T. -0.01 min
Lab File: VX005475.D
Acq: 22 Oct 2018 17:26

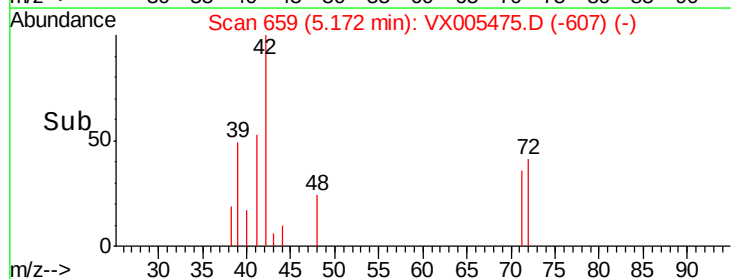
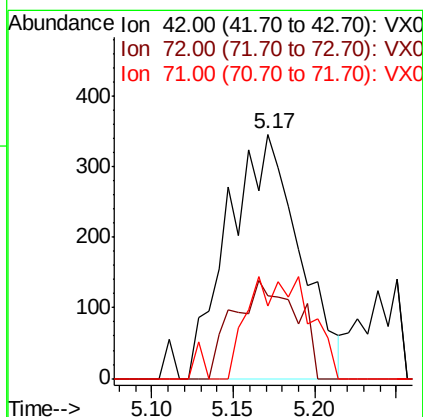
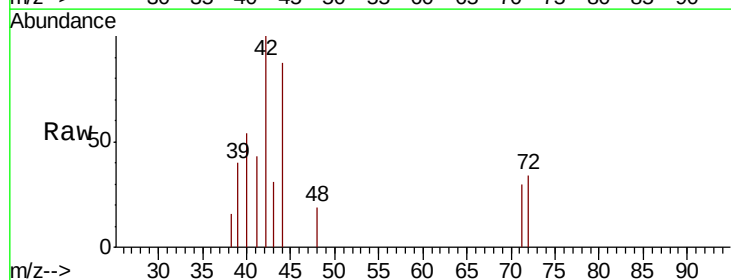
Instrument :
MSVOA_X
ClientSampleId :
PB114041ZHE#05

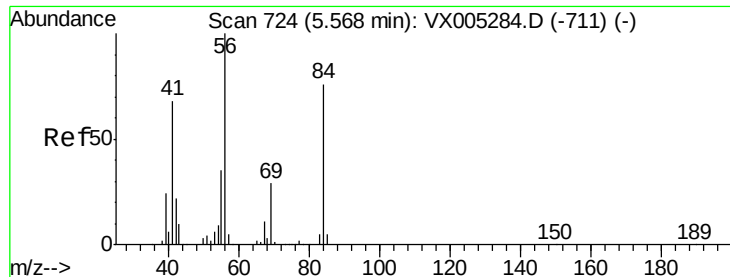
Tot Ion: 43 Resp: 2308
Ion Ratio Lower Upper
43 100
72 26.1 22.0 33.0



#29
Tetrahydrofuran
Concen: 0.792 ug/l
RT: 5.17 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX005475.D
Acq: 22 Oct 2018 17:26

Tgt Ion: 42 Resp: 1051
Ion Ratio Lower Upper
42 100
72 35.2 37.4 56.0#
71 14.6 34.5 51.7#

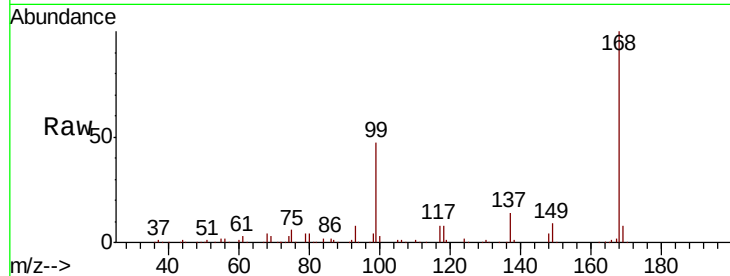




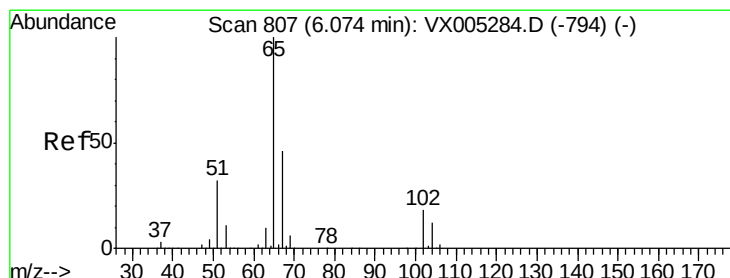
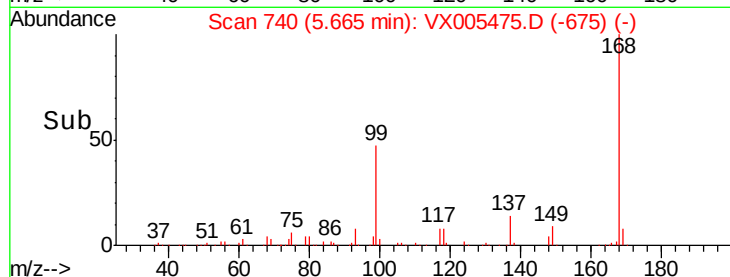
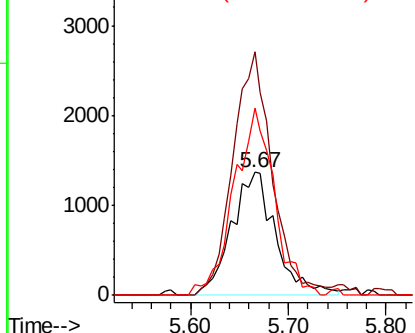
#31
Cyclohexane
Concen: 1.267 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.10 min
Lab File: VX005475.D
Acq: 22 Oct 2018 17:26

Instrument :
MSVOA_X
ClientSampleId :
PB114041ZHE#05

Tot Ion: 56 Resp: 4284
Ion Ratio Lower Upper
56 100
69 198.5 25.4 38.2#
84 152.3 71.4 107.2#

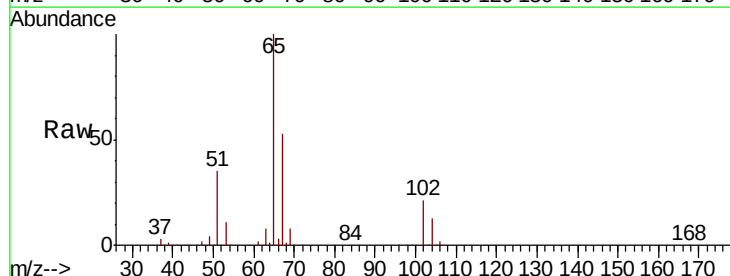


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

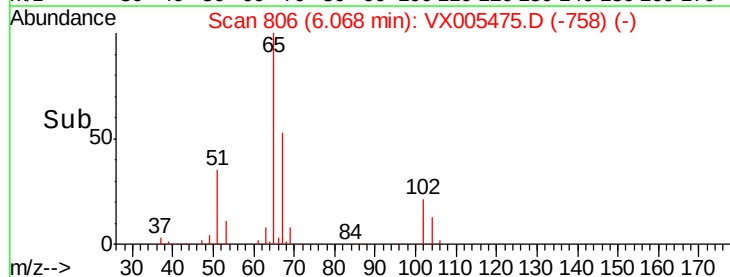
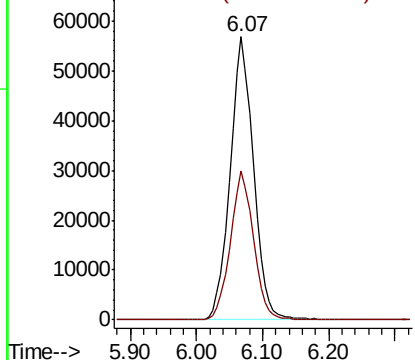


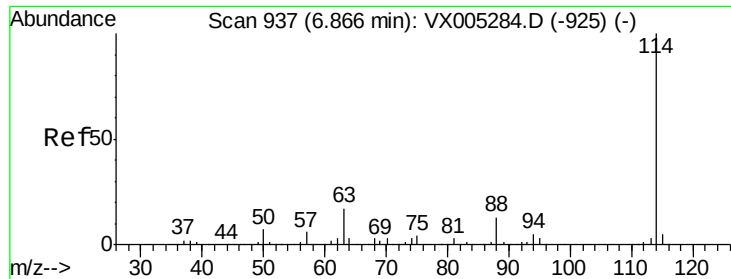
#33
1,2-Dichloroethane-d4
Concen: 56.506 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX005475.D
Acq: 22 Oct 2018 17:26

Tgt Ion: 65 Resp: 139042
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.8



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

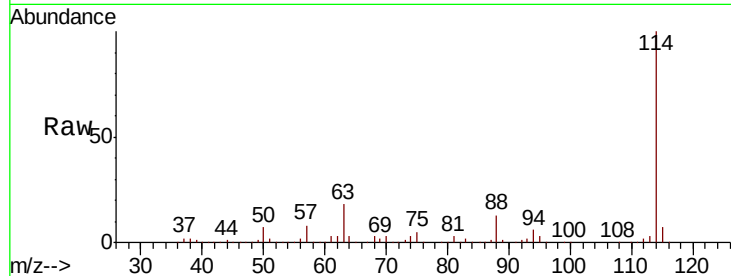




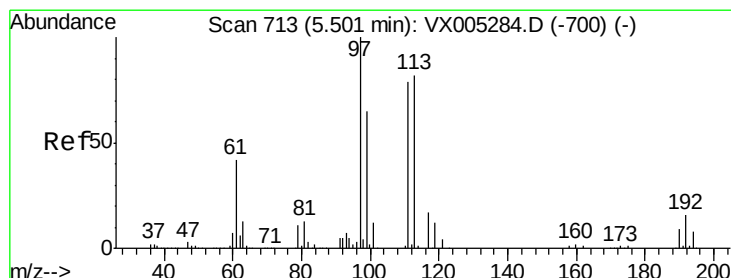
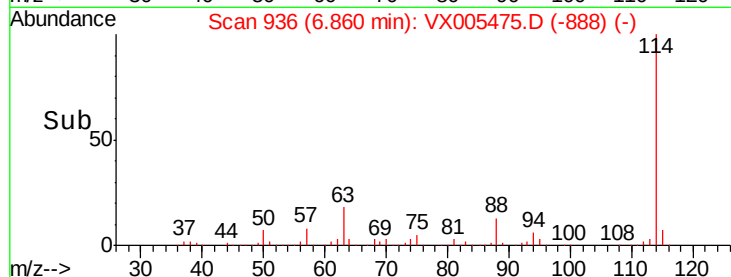
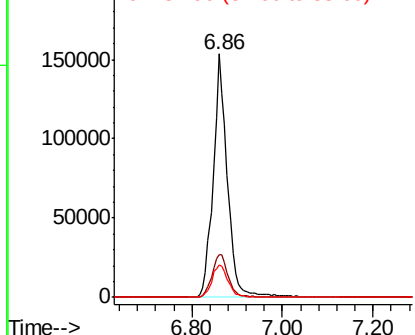
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005475.D
 Acq: 22 Oct 2018 17:26

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114041ZHE#05

Tot Ion:114 Resp: 338968
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 39.0
 88 13.3 0.0 30.4

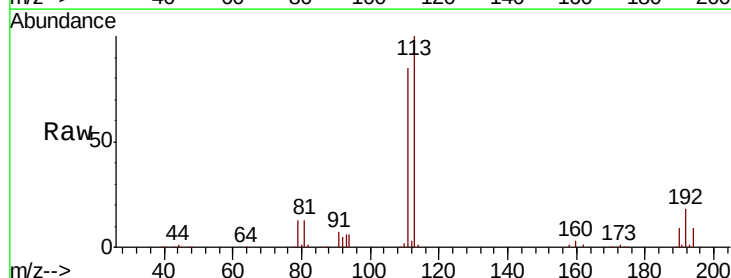


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

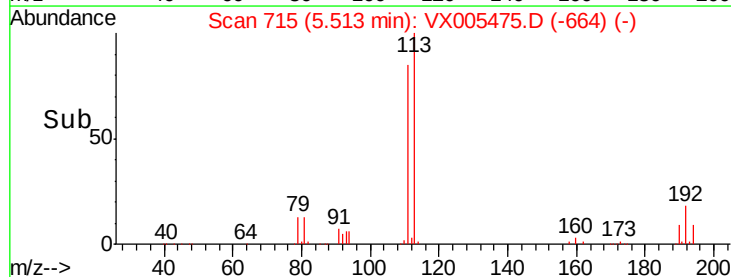
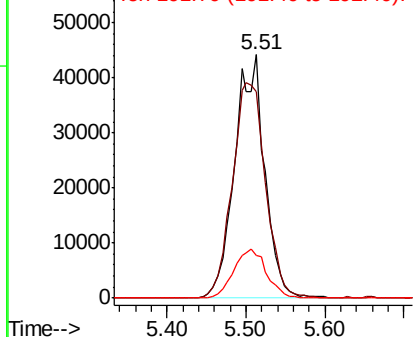


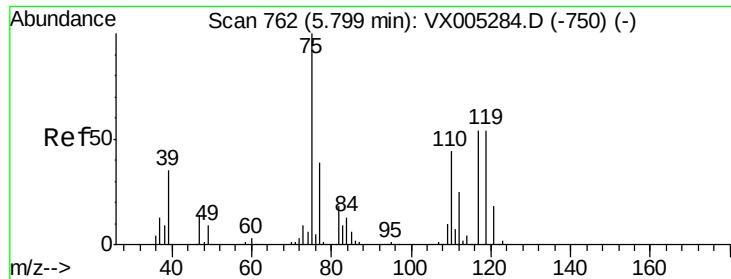
#35
 Dibromofluoromethane
 Concen: 51.850 ug/l
 RT: 5.51 min Scan# 715
 Delta R.T. 0.01 min
 Lab File: VX005475.D
 Acq: 22 Oct 2018 17:26

Tgt Ion:113 Resp: 116407
 Ion Ratio Lower Upper
 113 100
 111 98.3 82.4 123.6
 192 22.0 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: 4.694 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.13 min

Lab File: VX005475.D

Acq: 22 Oct 2018 17:26

Instrument :

MSVOA_X

ClientSampleId :

PB114041ZHE#05

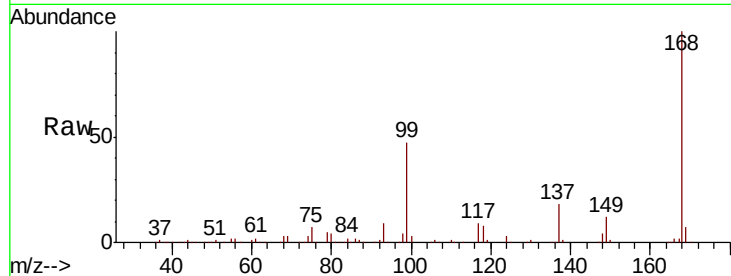
Tot Ion: 75 Resp: 15411

Ion Ratio Lower Upper

75 100

110 0.0 18.0 54.0#

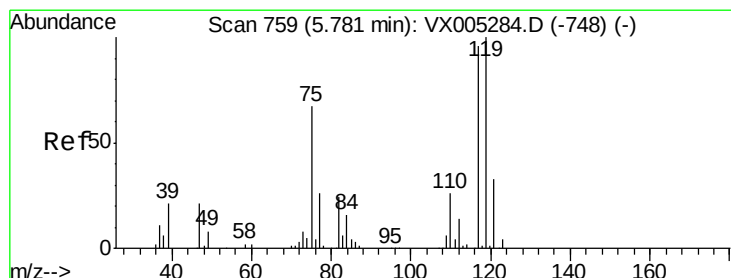
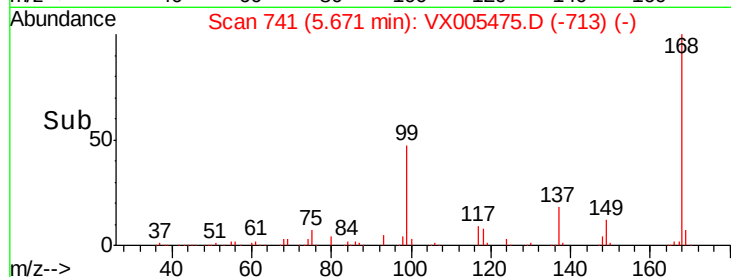
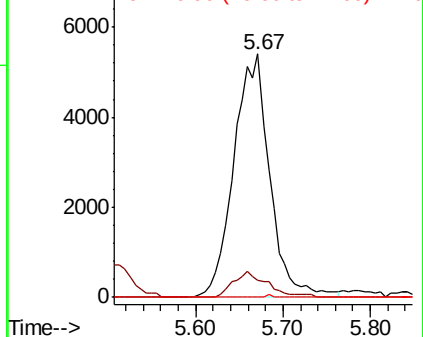
77 0.1 24.6 36.8#



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: 6.336 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005475.D

Acq: 22 Oct 2018 17:26

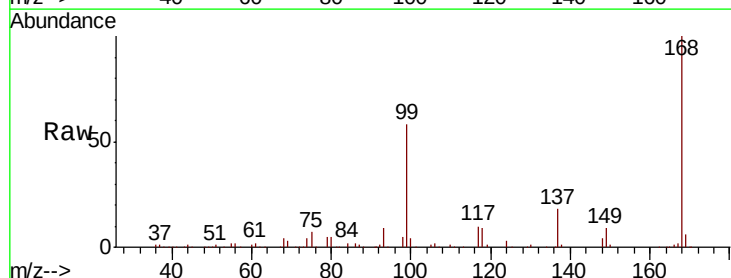
Tgt Ion: 117 Resp: 20900

Ion Ratio Lower Upper

117 100

119 7.1 78.8 118.2#

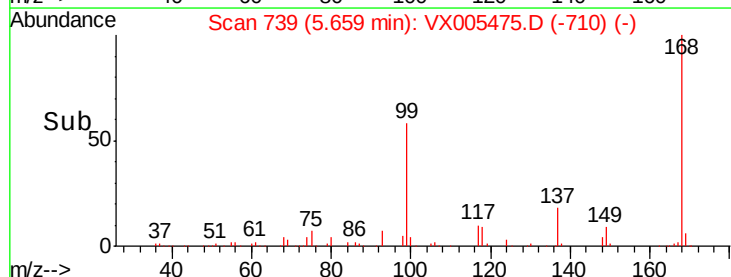
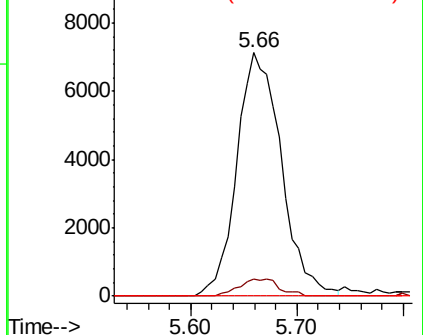
121 0.0 24.9 37.3#

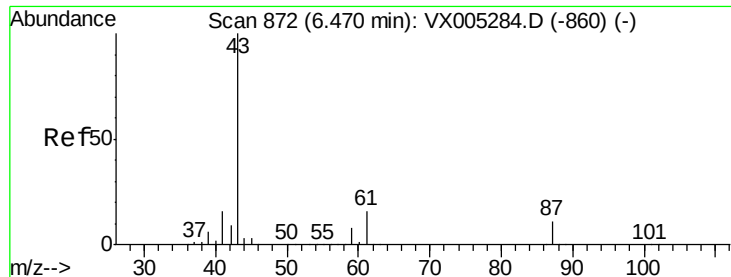


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 28.943 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005475.D

Acq: 22 Oct 2018 17:26

Instrument :

MSVOA_X

ClientSampleId :

PB114041ZHE#05

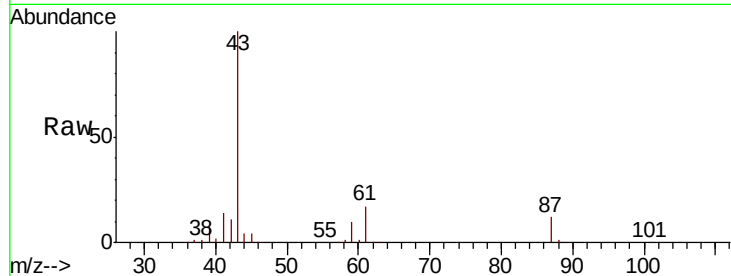
Tot Ion: 43 Resp: 162771

Ion Ratio Lower Upper

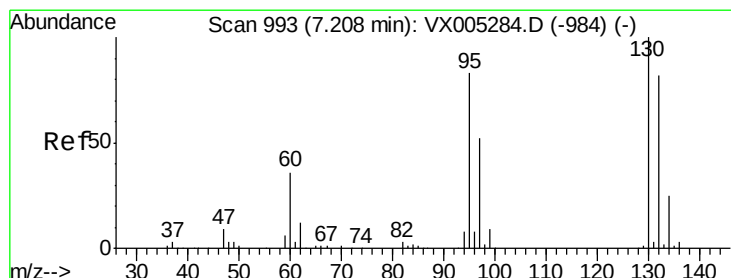
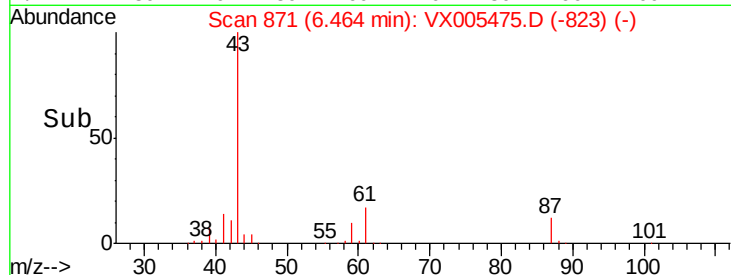
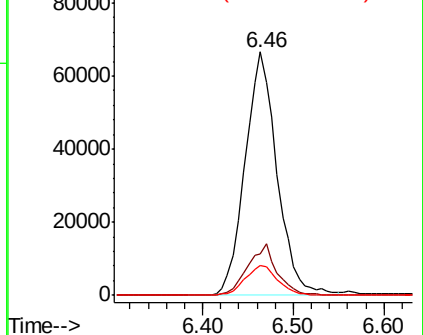
43 100

61 19.3 17.0 25.4

87 12.4 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: 7.20 min Scan# 991

Delta R.T. -0.01 min

Lab File: VX005475.D

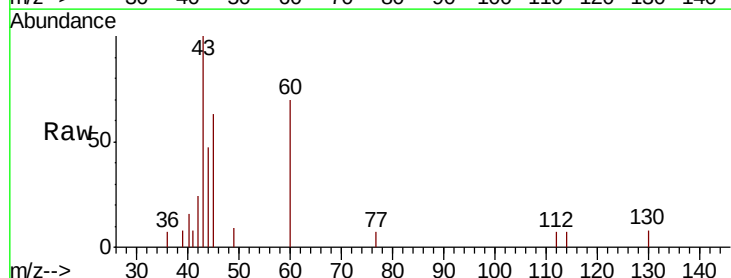
Acq: 22 Oct 2018 17:26

Tgt Ion:130 Resp: 42

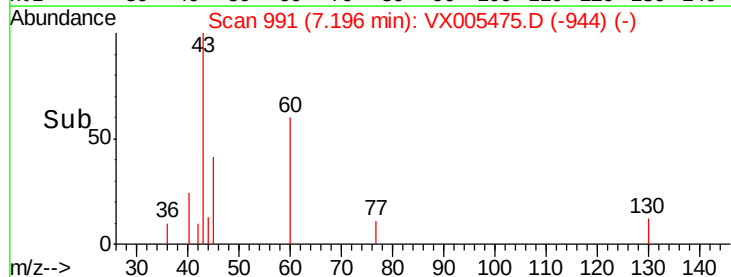
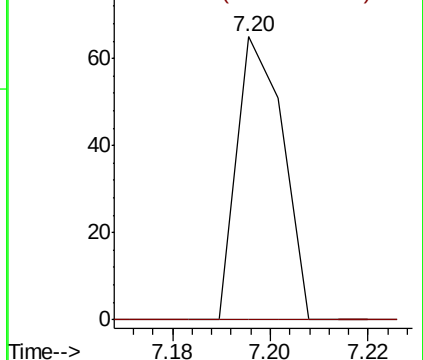
Ion Ratio Lower Upper

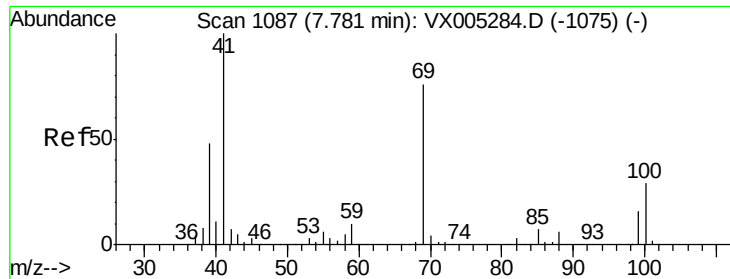
130 100

95 0.0 0.0 181.6



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

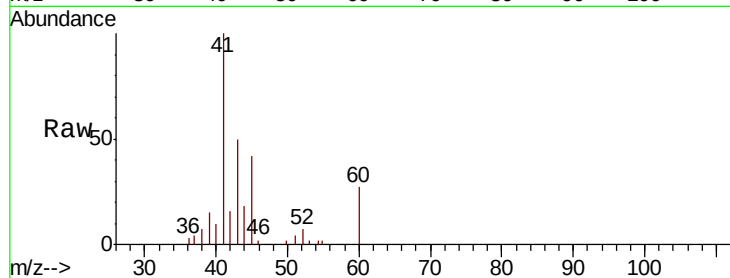




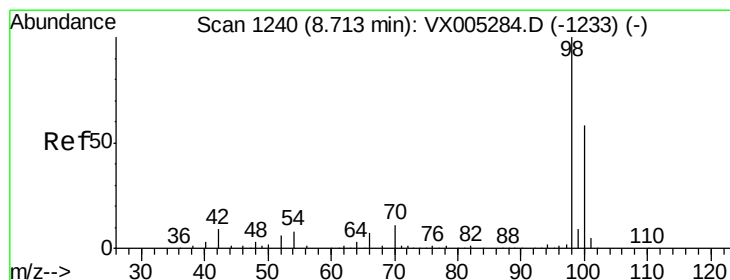
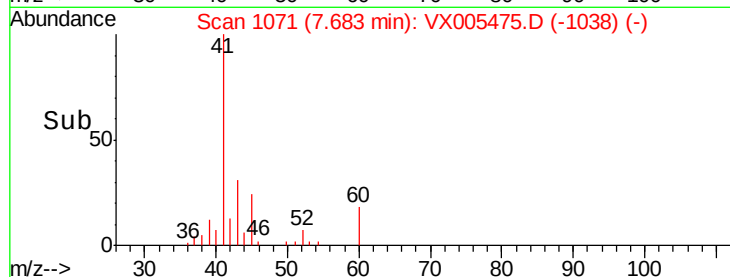
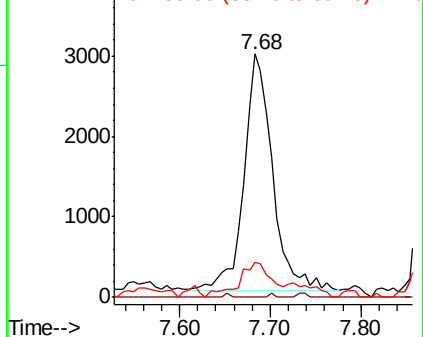
#48
Methvl methacrylate
Concen: 2.201 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.10 min
Lab File: VX005475.D
Acq: 22 Oct 2018 17:26

Instrument :
MSVOA_X
ClientSampleId :
PB114041ZHE#05

Tot Ion: 41 Resp: 6421
Ion Ratio Lower Upper
41 100
69 0.3 70.2 105.4#
39 16.6 42.7 64.1#

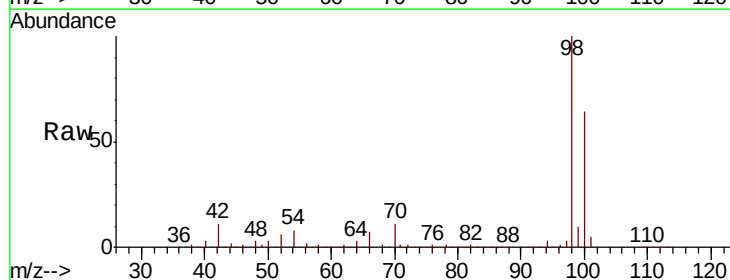


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

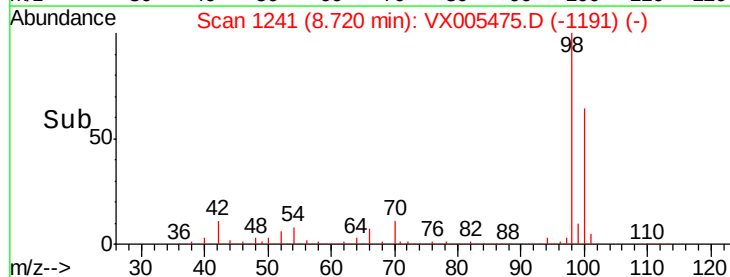
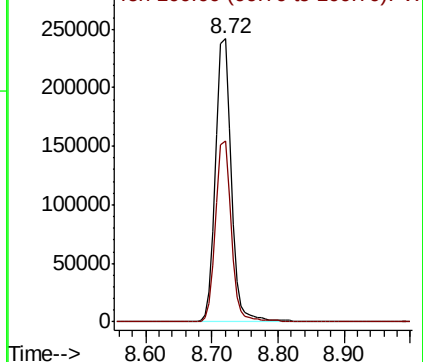


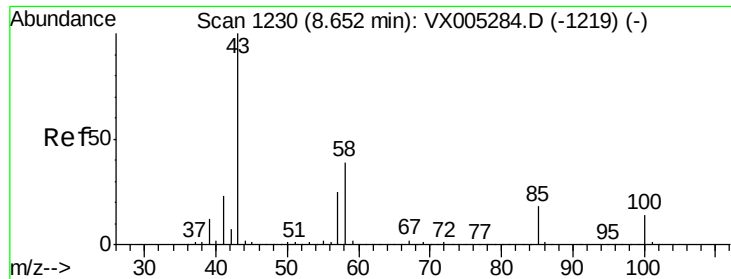
#50
Toluene-d8
Concen: 51.691 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005475.D
Acq: 22 Oct 2018 17:26

Tgt Ion: 98 Resp: 398405
Ion Ratio Lower Upper
98 100
100 63.6 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: 0.797 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. -0.03 min

Lab File: VX005475.D

Acq: 22 Oct 2018 17:26

Instrument :

MSVOA_X

ClientSampleId :

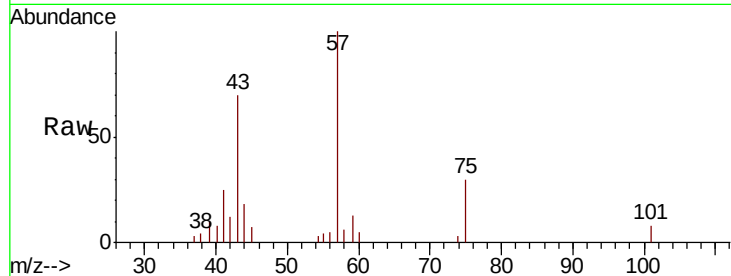
PB114041ZHE#05

Tot Ion: 43 Resp: 3105

Ion Ratio Lower Upper

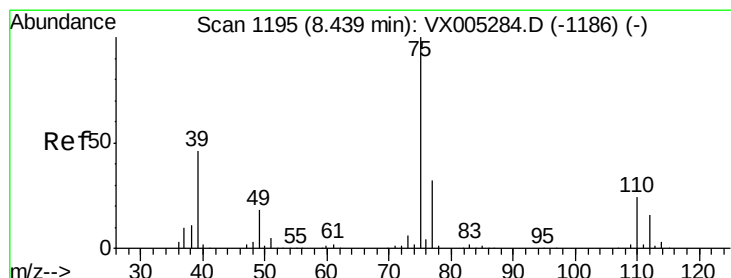
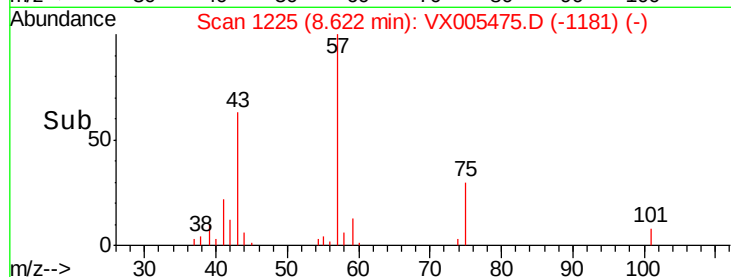
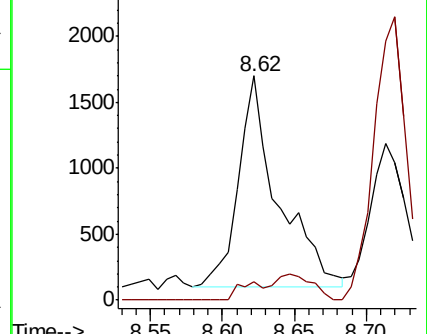
43 100

58 5.3 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 0.322 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. 0.18 min

Lab File: VX005475.D

Acq: 22 Oct 2018 17:26

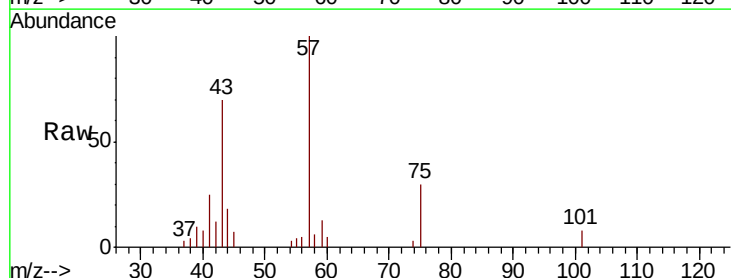
Tgt Ion: 75 Resp: 1114

Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.2#

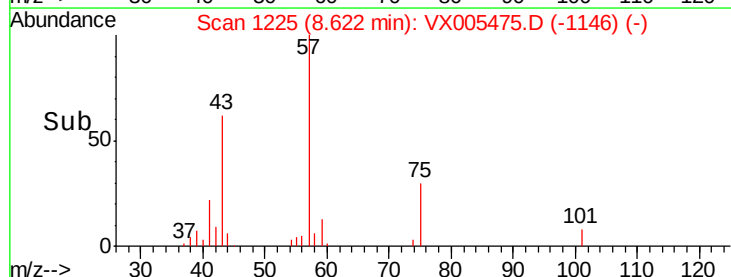
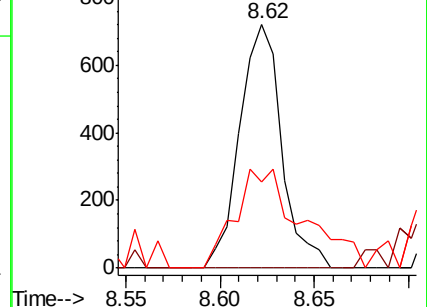
39 35.1 36.4 54.6#

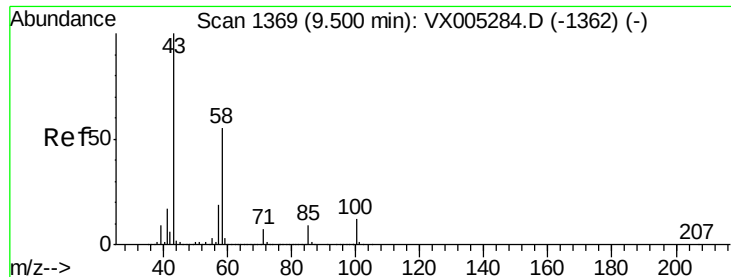


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

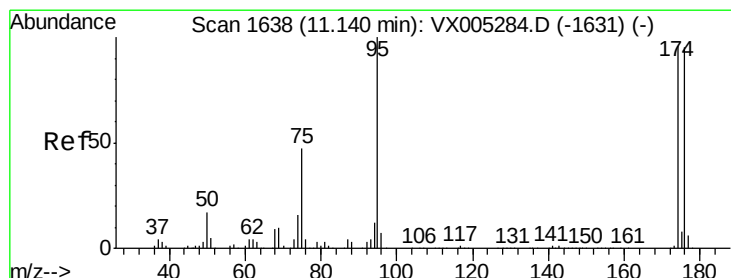
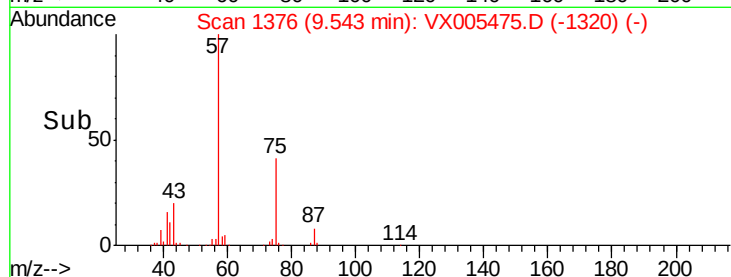
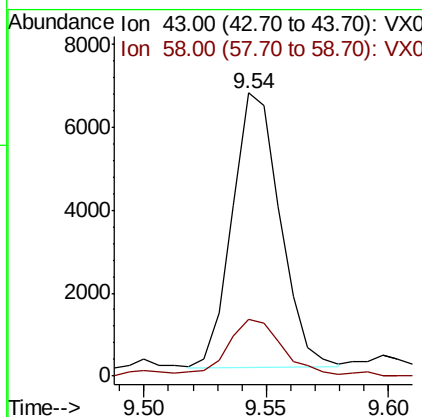
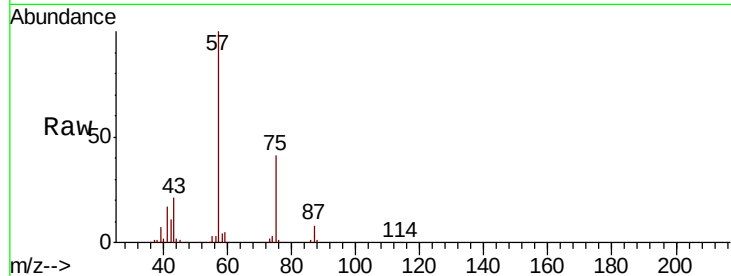




#59
2-Hexanone
Concen: 2.872 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.04 min
Lab File: VX005475.D
Acq: 22 Oct 2018 17:26

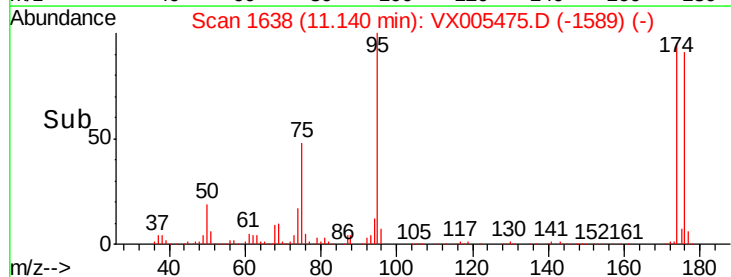
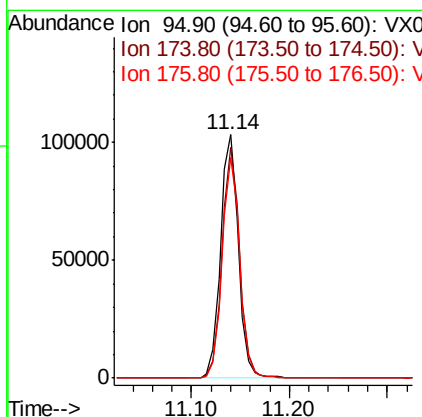
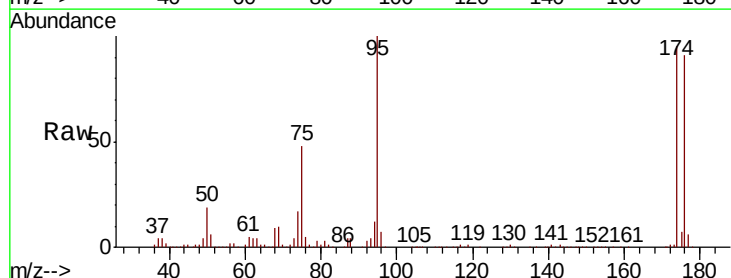
Instrument :
MSVOA_X
ClientSampleId :
PB114041ZHE#05

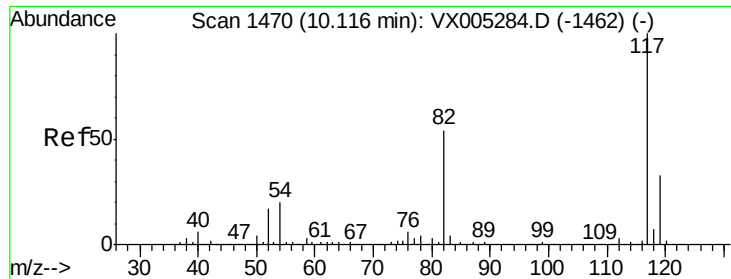
Tot Ion: 43 Resp: 8996
Ion Ratio Lower Upper
43 100
58 22.3 29.0 87.0#



#62
4-Bromofluorobenzene
Concen: 44.877 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005475.D
Acq: 22 Oct 2018 17:26

Tgt Ion: 95 Resp: 129938
Ion Ratio Lower Upper
95 100
174 94.1 0.0 185.2
176 89.9 0.0 178.6

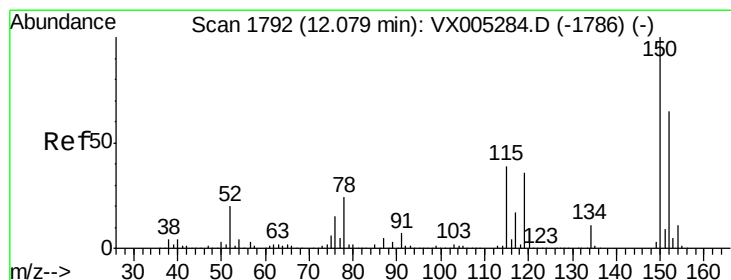
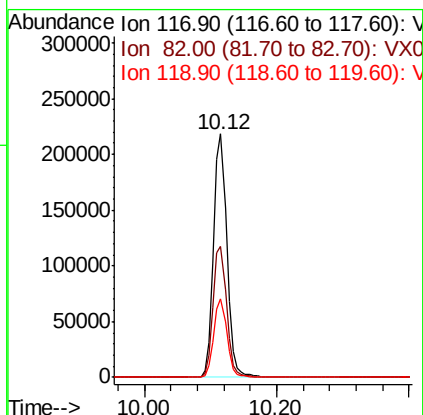
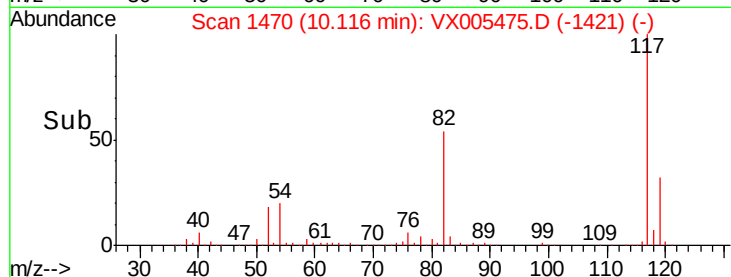
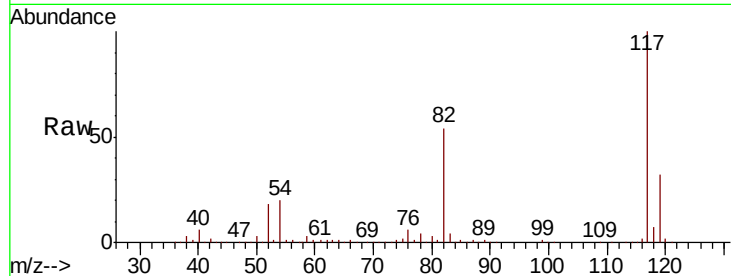




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005475.D
Acq: 22 Oct 2018 17:26

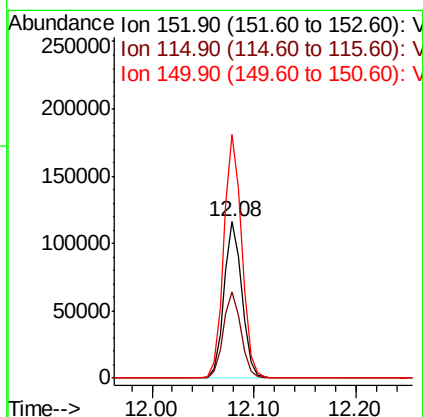
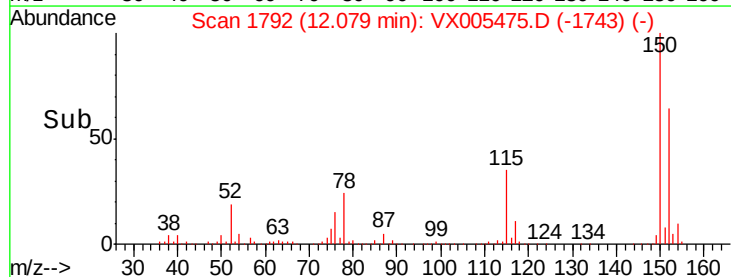
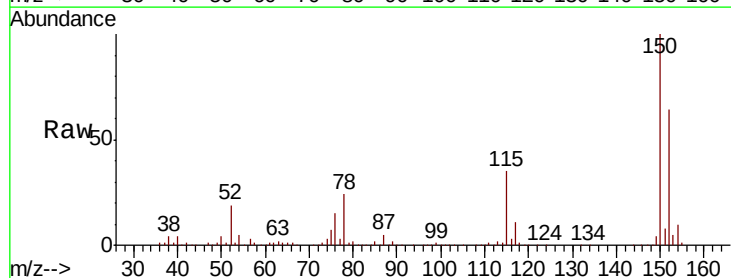
Instrument :
MSVOA_X
ClientSampleId :
PB114041ZHE#05

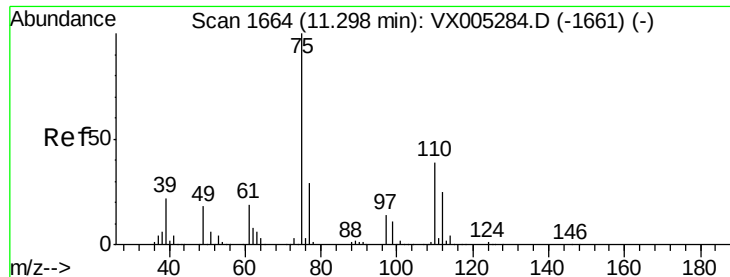
Tot Ion:117 Resp: 301567
Ion Ratio Lower Upper
117 100
82 53.9 47.8 71.6
119 32.1 29.3 43.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005475.D
Acq: 22 Oct 2018 17:26

Tgt Ion:152 Resp: 140910
Ion Ratio Lower Upper
152 100
115 55.2 39.0 117.0
150 157.0 0.0 351.0

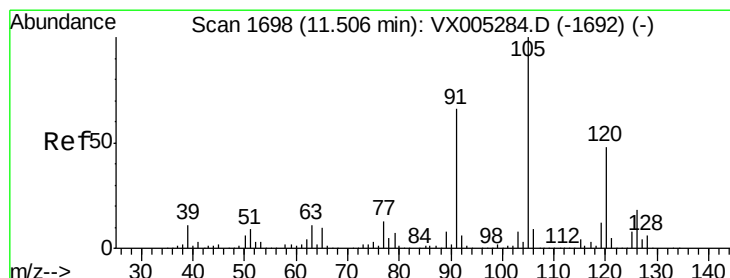
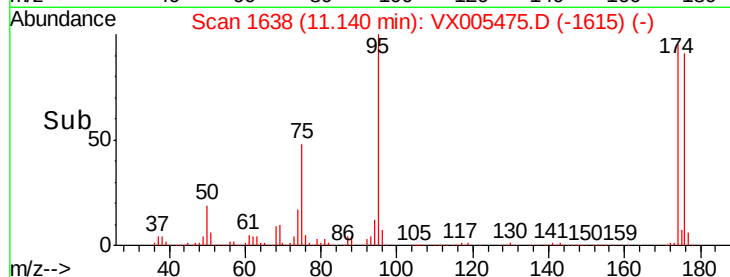
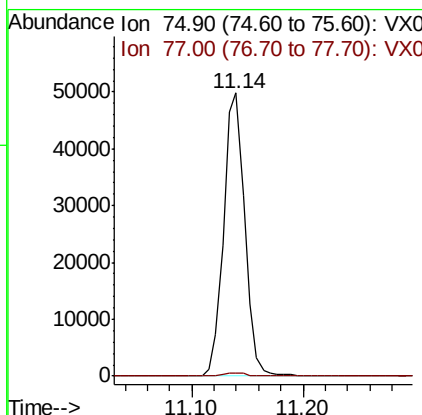
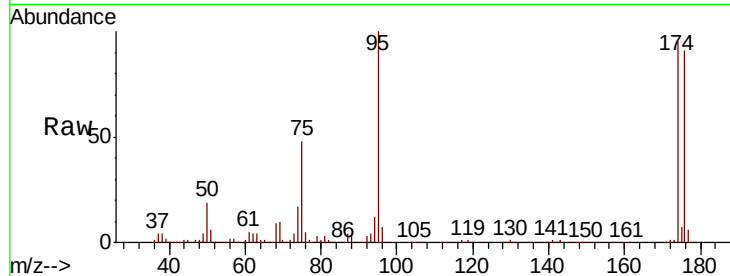




#76
 1,2,3-Trichloropropane
 Concen: 23.942 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005475.D
 Acq: 22 Oct 2018 17:26

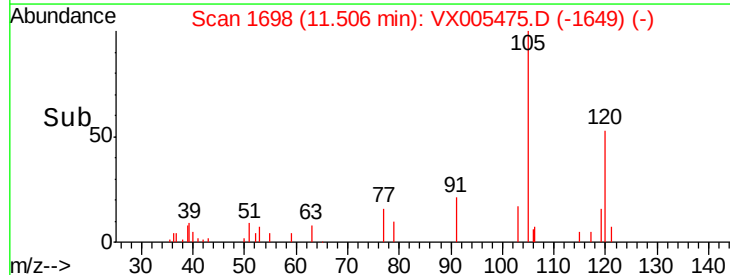
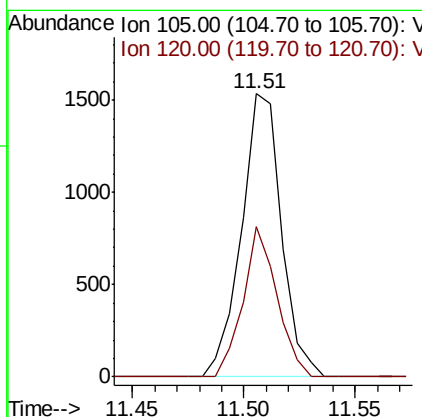
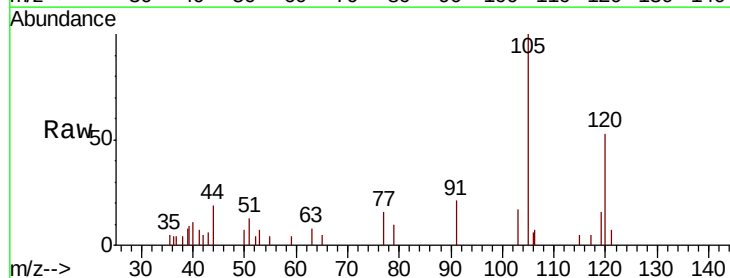
Instrument :
 MSVOA_X
 ClientSampleId :
 PB114041ZHE#05

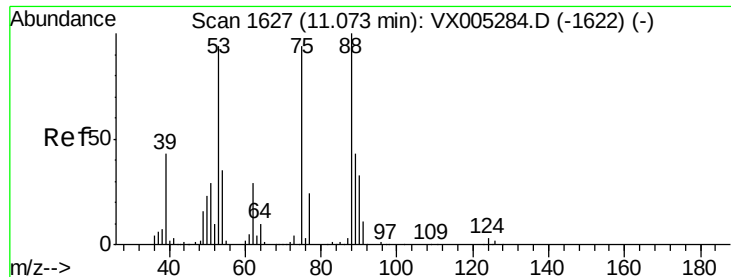
Tot Ion: 75 Resp: 65439
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.2 60.6#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.268 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005475.D
 Acq: 22 Oct 2018 17:26

Tgt Ion: 105 Resp: 1926
 Ion Ratio Lower Upper
 105 100
 120 44.9 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 72.747 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005475.D

Acq: 22 Oct 2018 17:26

Instrument :

MSVOA_X

ClientSampleId :

PB114041ZHE#05

Tot Ion: 75 Resp: 65439

Ion Ratio Lower Upper

75 100

53 0.4 80.1 120.1#

89 0.0 37.2 55.8#

