

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005474.D
 Acq On : 22 Oct 2018 17:00
 Operator : JC/MD
 Sample : PB114041ZHE#04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114041ZHE#04

Quant Time: Oct 23 01:27:47 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	236669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	338038	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	309762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	147090	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	146757	55.87	ug/l	-0.01
Spiked Amount			Recovery	=	111.74%	
35) Dibromofluoromethane	5.50	113	119967	53.58	ug/l	0.00
Spiked Amount			Recovery	=	107.16%	
50) Toluene-d8	8.72	98	412991	53.73	ug/l	0.00
Spiked Amount			Recovery	=	107.46%	
62) 4-Bromofluorobenzene	11.14	95	136036	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	

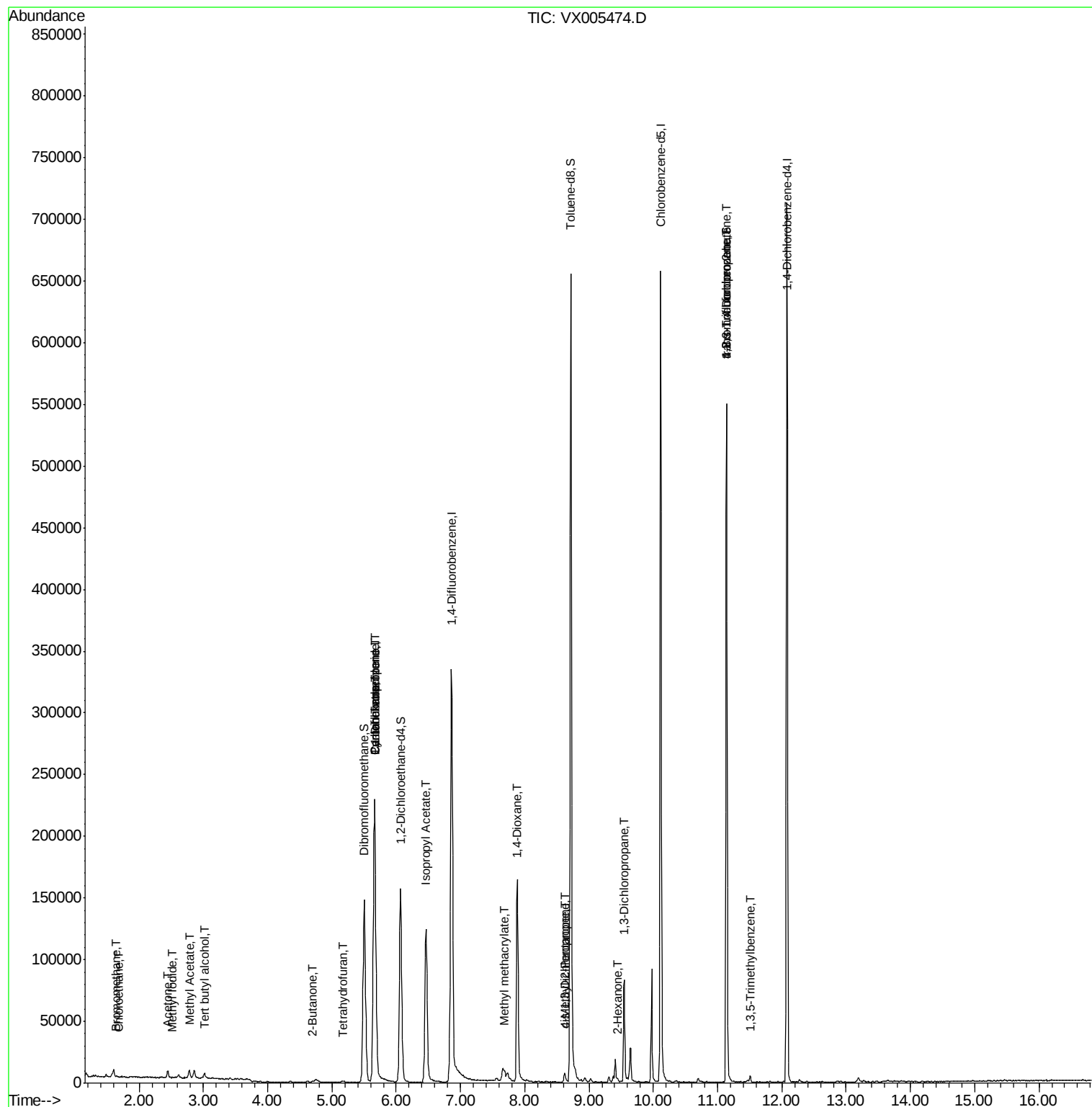
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	394	0.838	ug/l	97
6) Chloroethane	1.69	64	108	0.396	ug/l #	20
10) Methyl Iodide	2.51	142	224	2.582	ug/l #	64
11) Tert butyl alcohol	3.03	59	2817	3.802	ug/l #	82
13) Acrolein	2.29	56	251	Below Cal	#	80
16) Acetone	2.45	43	5868	3.864	ug/l	92
18) Methyl Acetate	2.78	43	8451	1.956	ug/l	93
20) Methylene Chloride	2.85	84	2605	Below Cal	#	79
25) 2-Butanone	4.70	43	2373	1.068	ug/l	93
29) Tetrahydrofuran	5.17	42	1195	0.843	ug/l #	68
31) Cyclohexane	5.67	56	4380	1.213	ug/l #	20
36) 1,1-Dichloropropene	5.67	75	15728	4.804	ug/l #	50
38) Carbon Tetrachloride	5.66	117	20791	6.320	ug/l #	17
43) Isopropyl Acetate	6.46	43	169207	30.170	ug/l	96
44) Trichloroethene	7.22	130	22	Below Cal		4
48) Methyl methacrylate	7.69	41	6570	2.259	ug/l #	21
49) 1,4-Dioxane	7.87	88	45	0.671	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	2784	0.717	ug/l #	43
54) cis-1,3-Dichloropropene	8.62	75	972	0.282	ug/l #	70
57) 1,3-Dichloropropane	9.55	76	764	0.201	ug/l #	43
59) 2-Hexanone	9.44	43	1019	0.326	ug/l #	22
76) 1,2,3-Trichloropropane	11.14	75	69102	24.220	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	2005	0.268	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.14	75	69102	73.591	ug/l #	10

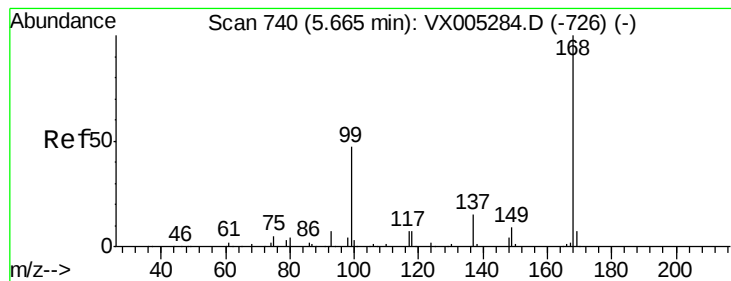
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102218\
Data File : VX005474.D
Acq On : 22 Oct 2018 17:00
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Sample : PB114041ZHE#04
Misc : 5.0mL/MSVOA X/WATER
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Instrument :
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ClientSampleId :
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Quant Time: Oct 23 01:27:47 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: VX005474.D

Acq: 22 Oct 2018 17:00

Instrument :

MSVOA_X

ClientSampleId :

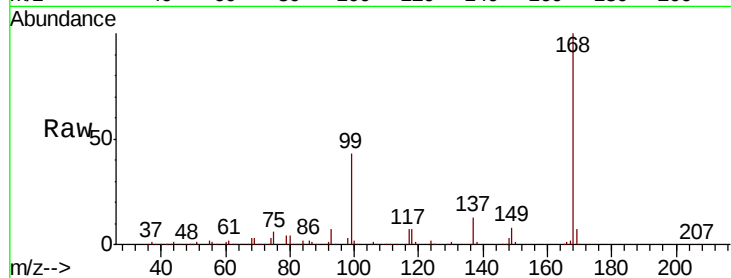
PB114041ZHE#04

Tot Ion:168 Resp: 236669

Ion Ratio Lower Upper

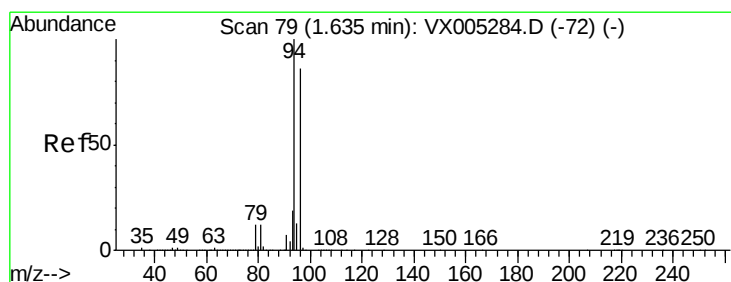
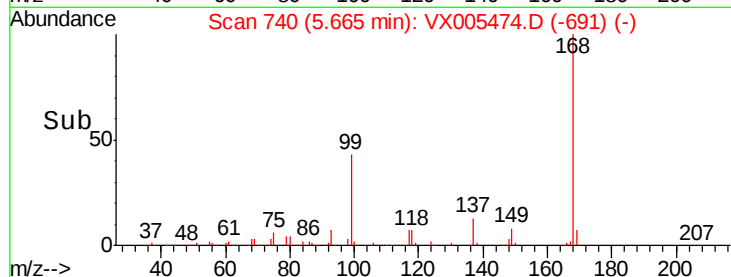
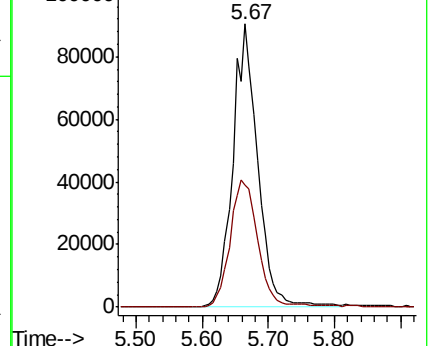
168 100

99 43.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.838 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005474.D

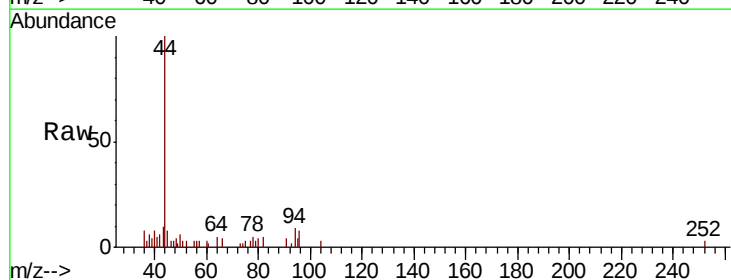
Acq: 22 Oct 2018 17:00

Tgt Ion: 94 Resp: 394

Ion Ratio Lower Upper

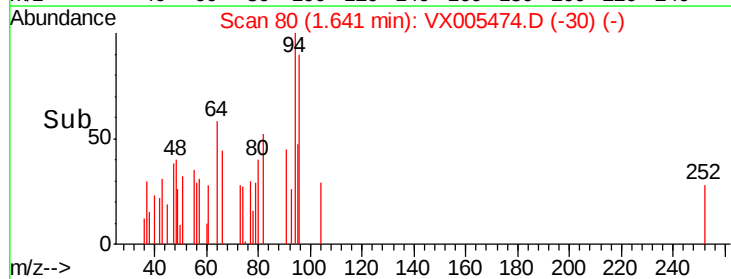
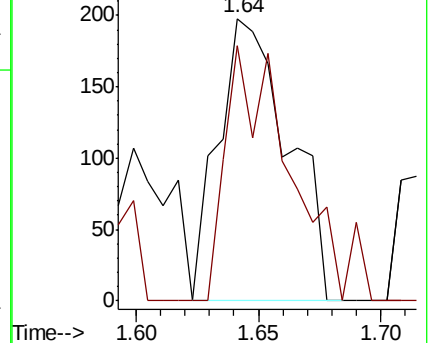
94 100

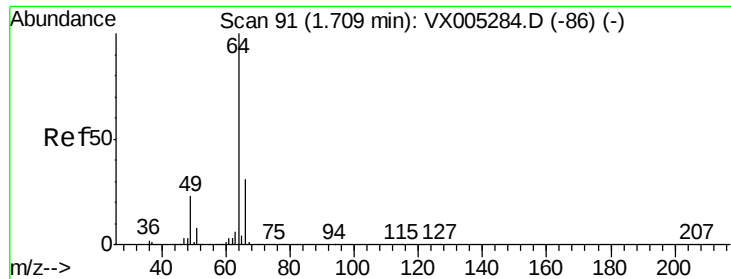
96 90.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.396 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX005474.D

Acq: 22 Oct 2018 17:00

Instrument :

MSVOA_X

ClientSampleId :

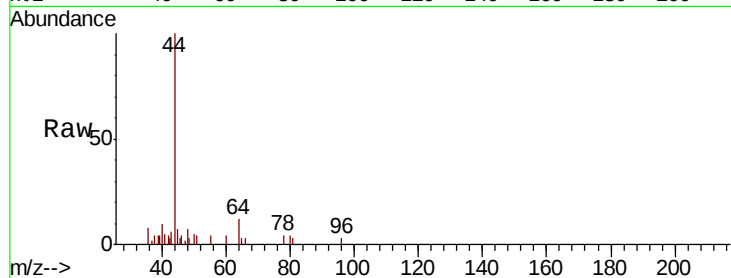
PB114041ZHE#04

Tot Ion: 64 Resp: 108

Ion Ratio Lower Upper

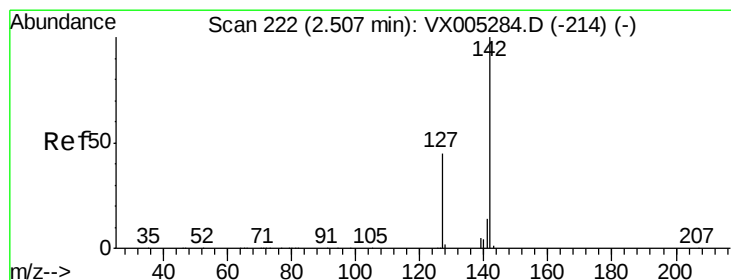
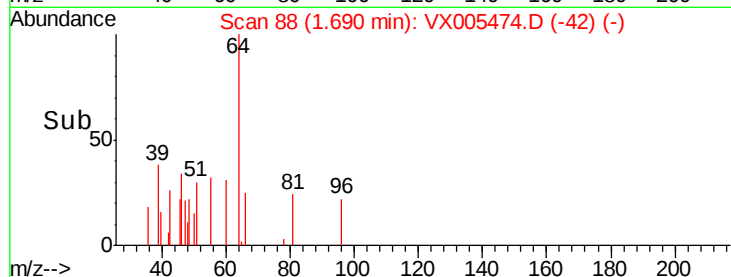
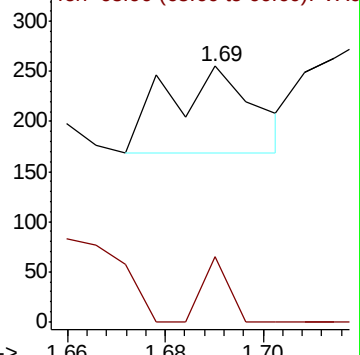
64 100

66 74.7 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: 2.582 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005474.D

Acq: 22 Oct 2018 17:00

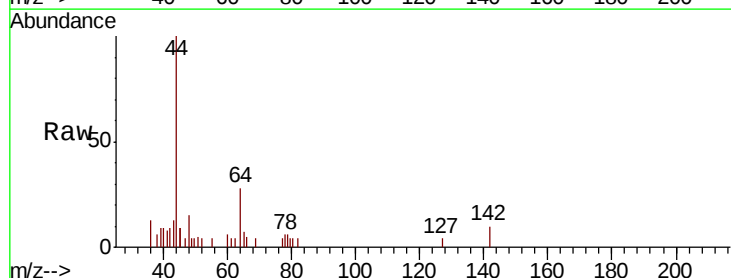
Tgt Ion: 142 Resp: 224

Ion Ratio Lower Upper

142 100

127 19.2 33.8 50.6#

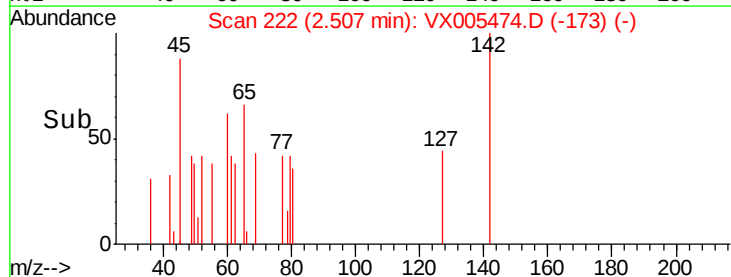
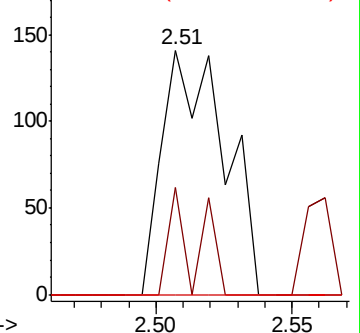
141 0.0 11.4 17.0#



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



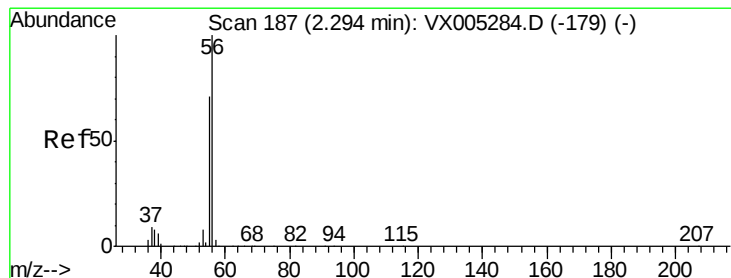
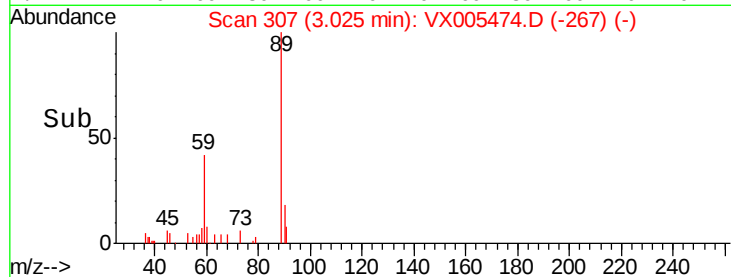
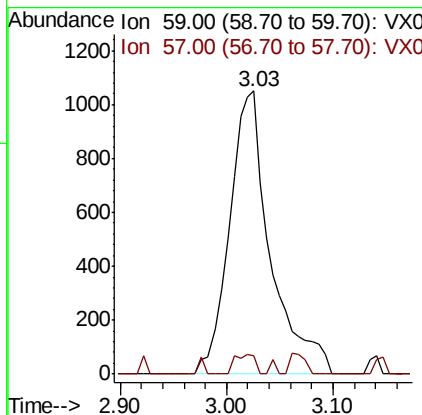
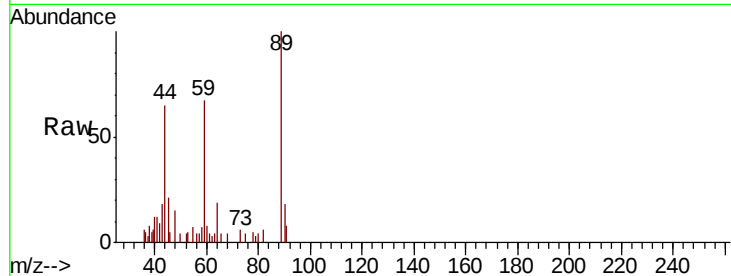


#11

Tert butyl alcohol
 Concen: 3.802 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX005474.D
 Acq: 22 Oct 2018 17:00

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114041ZHE#04

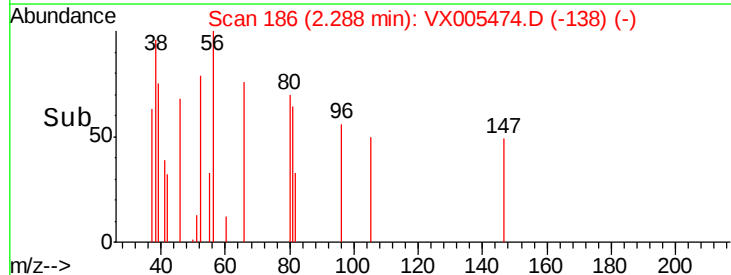
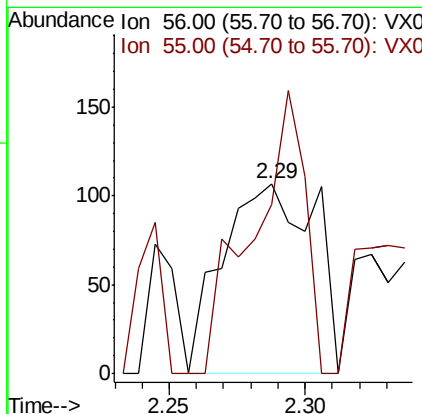
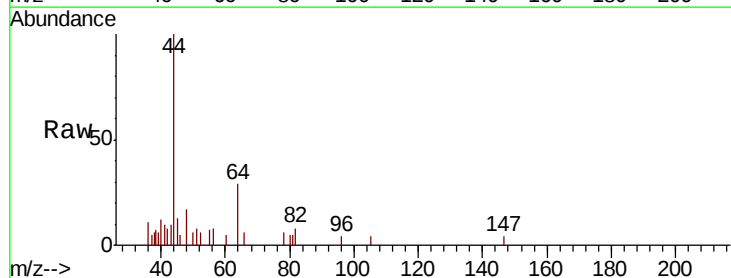
Tot Ion: 59 Resp: 2817
 Ion Ratio Lower Upper
 59 100
 57 3.4 8.2 12.4#

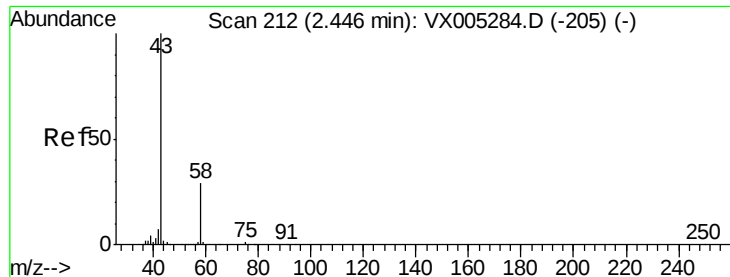


#13

Acrolein
 Concen: Below Cal
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX005474.D
 Acq: 22 Oct 2018 17:00

Tgt Ion: 56 Resp: 251
 Ion Ratio Lower Upper
 56 100
 55 84.9 54.7 82.1#

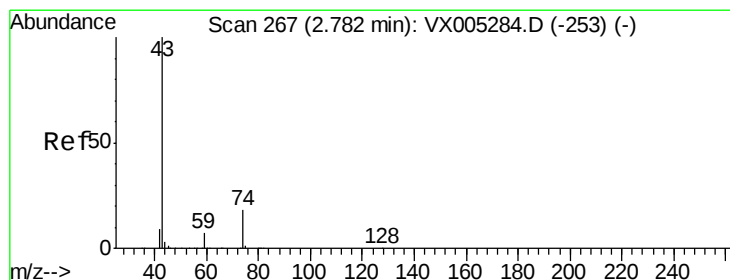
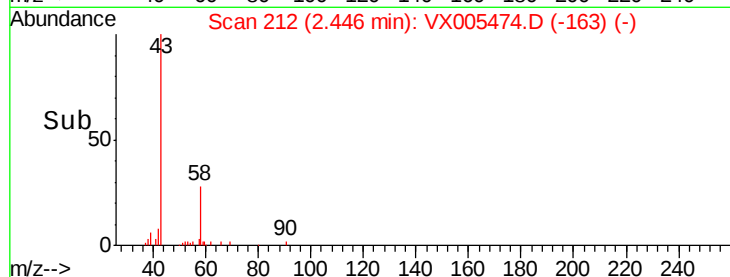
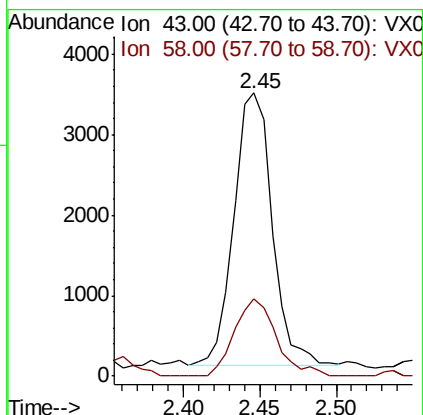
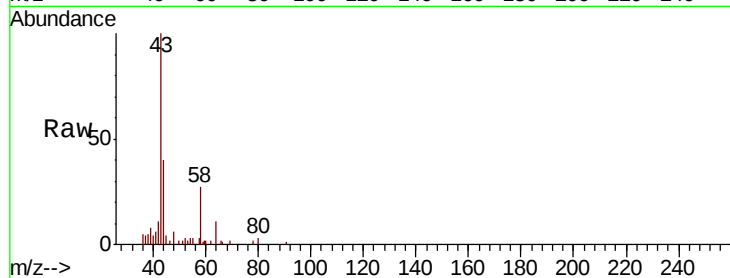




#16
Acetone
Concen: 3.864 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX005474.D
Acq: 22 Oct 2018 17:00

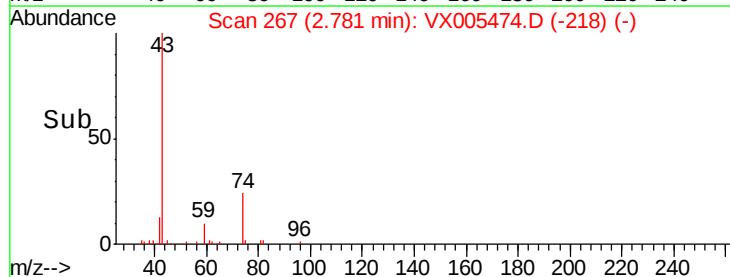
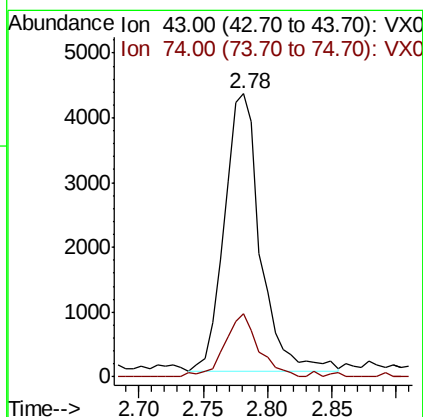
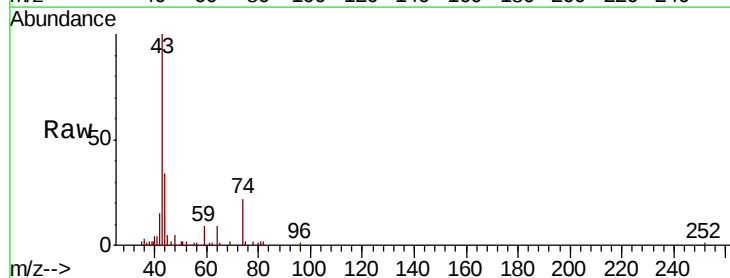
Instrument :
MSVOA_X
ClientSampleId :
PB114041ZHE#04

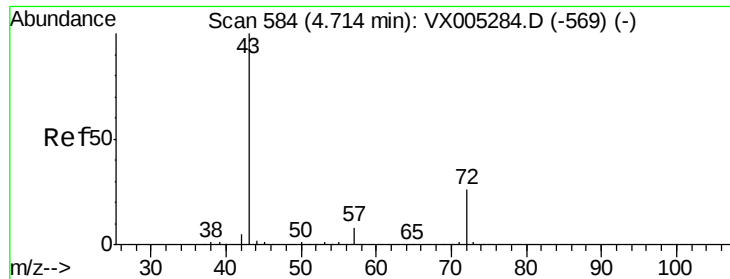
Tot Ion: 43 Resp: 5868
Ion Ratio Lower Upper
43 100
58 28.3 26.2 39.4



#18
Methyl Acetate
Concen: 1.956 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005474.D
Acq: 22 Oct 2018 17:00

Tgt Ion: 43 Resp: 8451
Ion Ratio Lower Upper
43 100
74 21.1 19.4 29.2





#25

2-Butanone

Concen: 1.068 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005474.D

Acq: 22 Oct 2018 17:00

Instrument :

MSVOA_X

ClientSampleId :

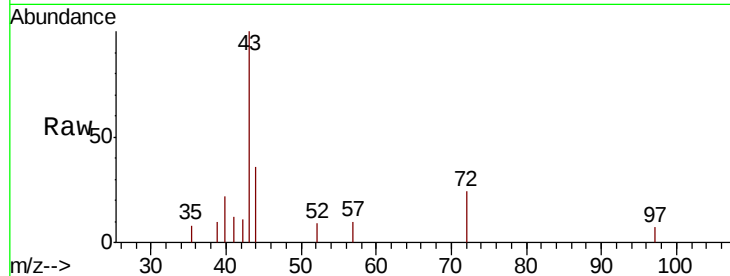
PB114041ZHE#04

Tot Ion: 43 Resp: 2373

Ion Ratio Lower Upper

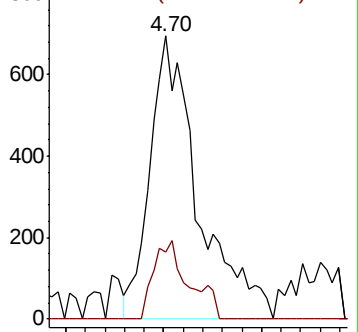
43 100

72 23.6 22.0 33.0

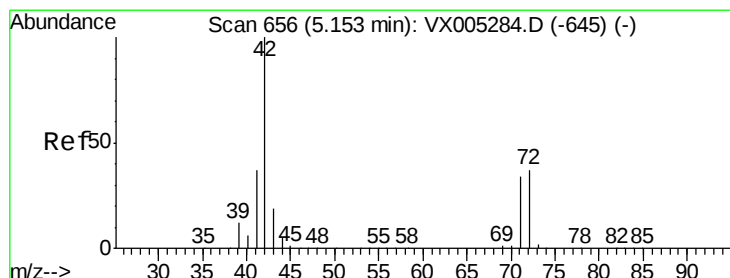
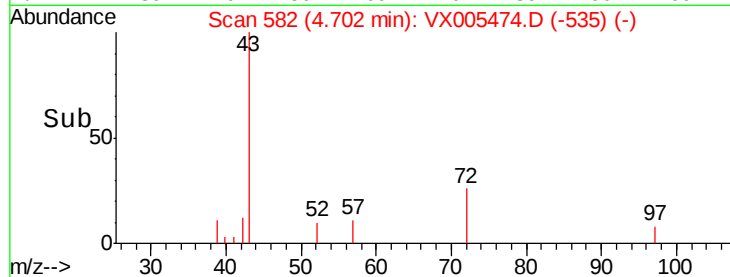


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.843 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX005474.D

Acq: 22 Oct 2018 17:00

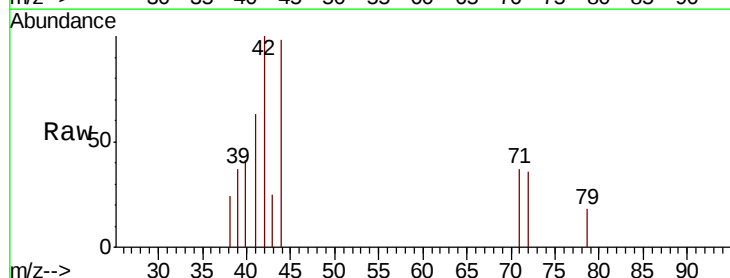
Tgt Ion: 42 Resp: 1195

Ion Ratio Lower Upper

42 100

72 29.7 37.4 56.0#

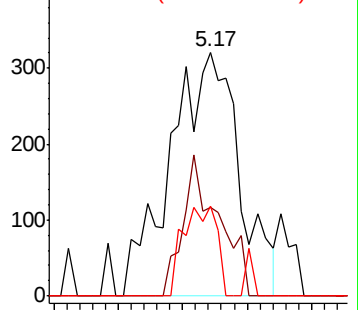
71 18.0 34.5 51.7#



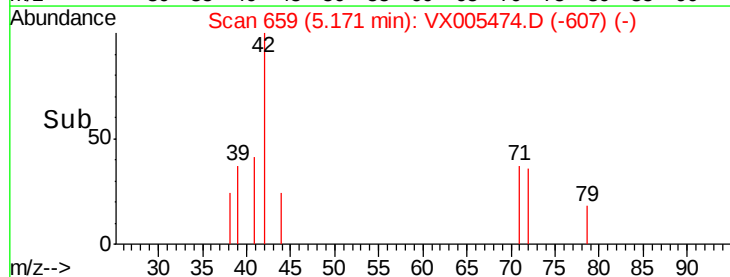
Abundance Ion 42.00 (41.70 to 42.70): VX0

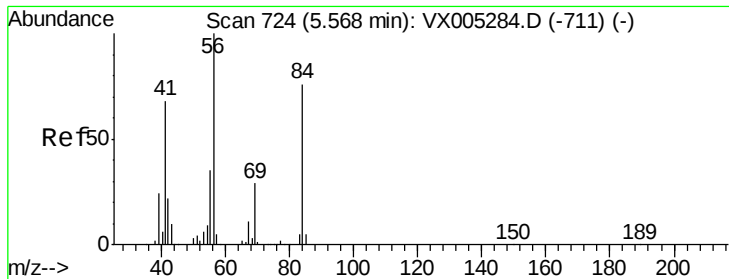
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->

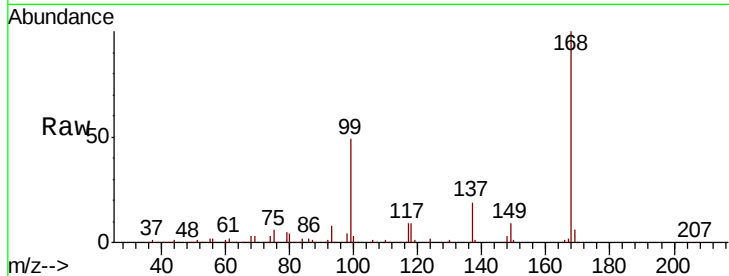




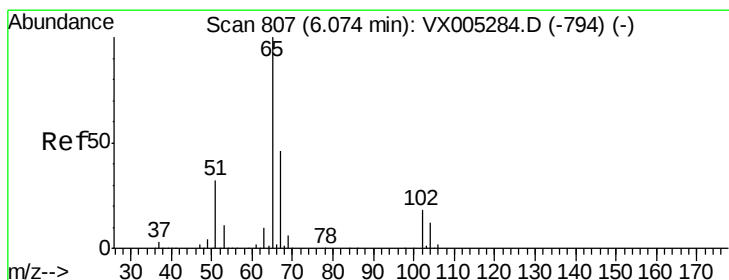
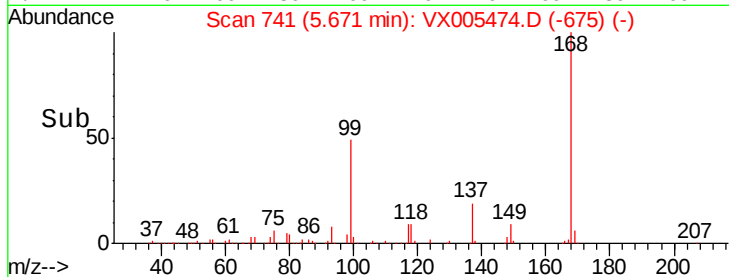
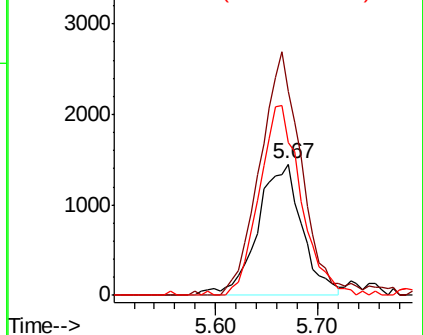
#31
Cyclohexane
Concen: 1.213 ug/l
RT: 5.67 min Scan# 741
Delta R.T. 0.10 min
Lab File: VX005474.D
Acq: 22 Oct 2018 17:00

Instrument :
MSVOA_X
ClientSampleId :
PB114041ZHE#04

Tot Ion: 56 Resp: 4380
Ion Ratio Lower Upper
56 100
69 156.0 25.4 38.2#
84 116.4 71.4 107.2#

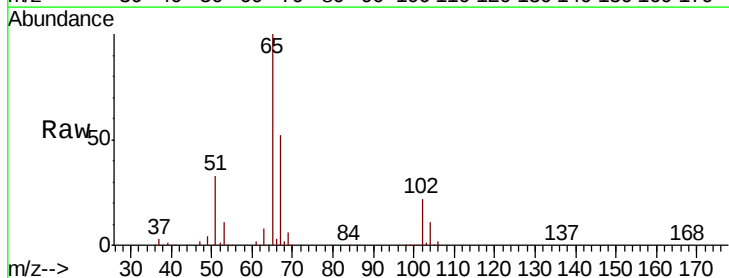


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

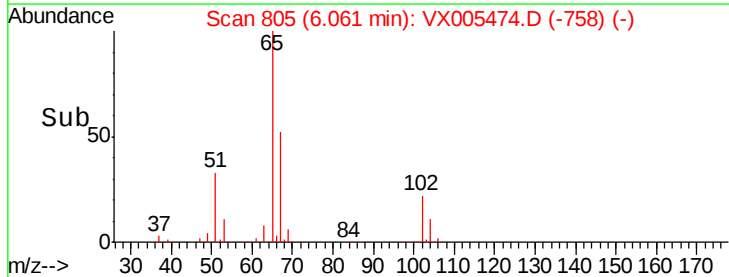
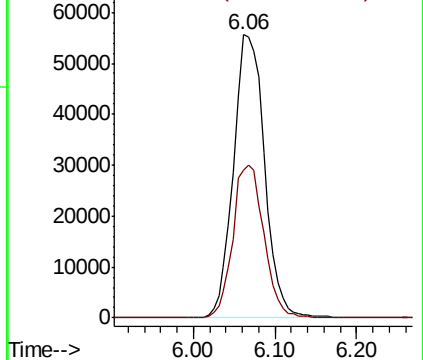


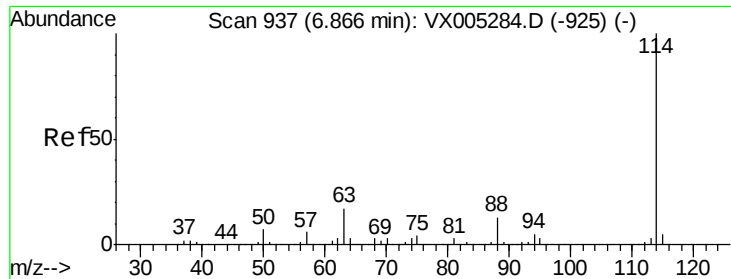
#33
1,2-Dichloroethane-d4
Concen: 55.872 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX005474.D
Acq: 22 Oct 2018 17:00

Tgt Ion: 65 Resp: 146757
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.8



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

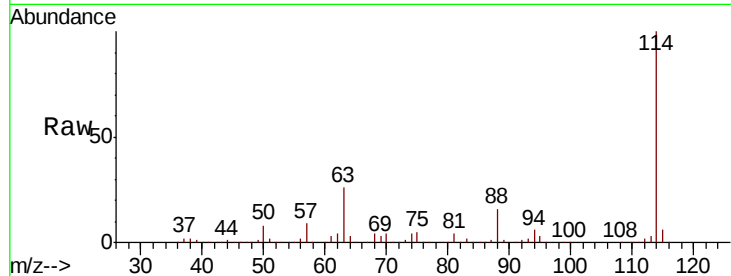




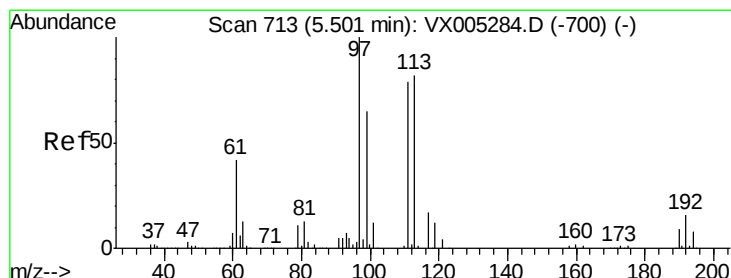
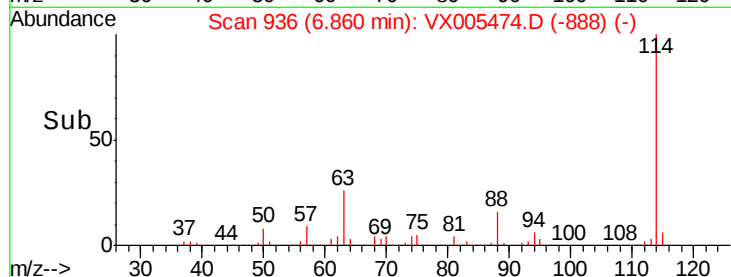
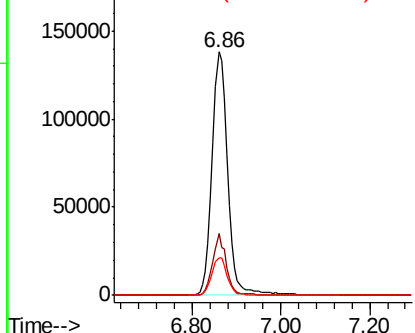
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005474.D
 Acq: 22 Oct 2018 17:00

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114041ZHE#04

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.7	0.0	39.0
88	15.6	0.0	30.4

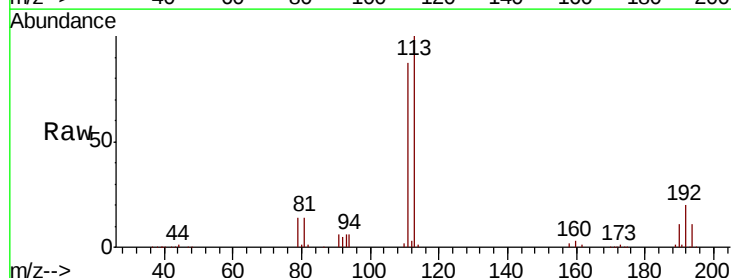


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

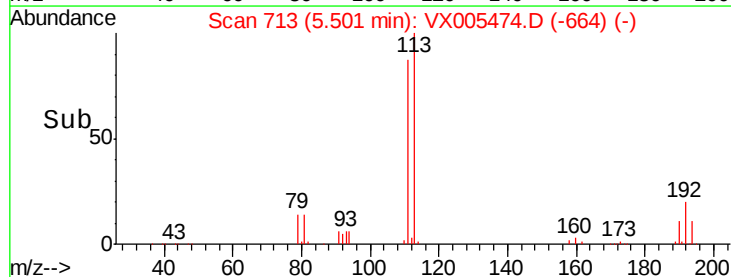
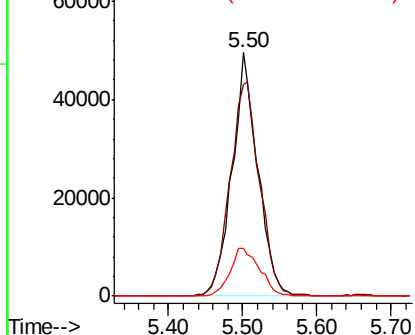


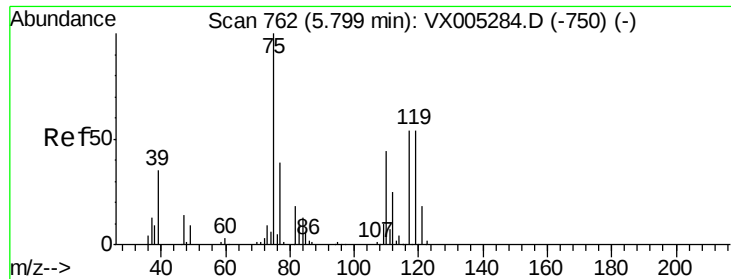
#35
 Dibromofluoromethane
 Concen: 53.583 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005474.D
 Acq: 22 Oct 2018 17:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.4	123.6
192	22.8	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: 4.804 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005474.D

Acq: 22 Oct 2018 17:00

Instrument :

MSVOA_X

ClientSampleId :

PB114041ZHE#04

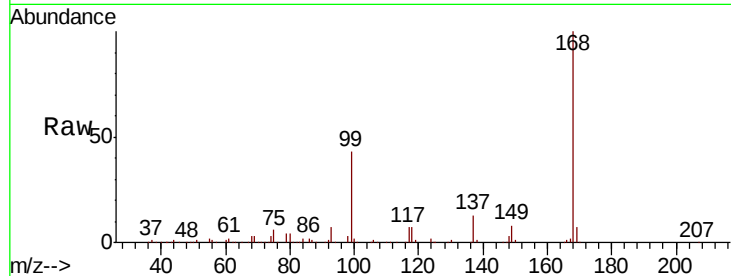
Tot Ion: 75 Resp: 15728

Ion Ratio Lower Upper

75 100

110 9.1 18.0 54.0#

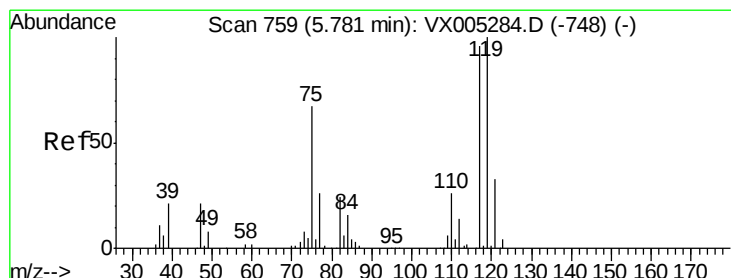
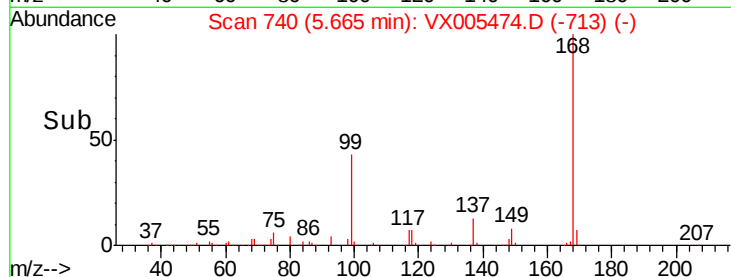
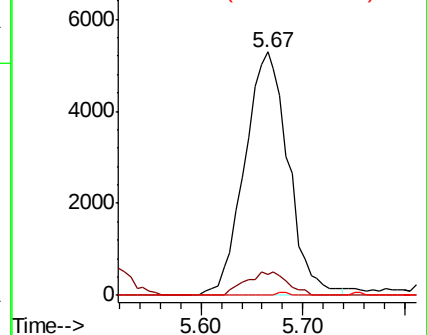
77 0.0 24.6 36.8#



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: 6.320 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005474.D

Acq: 22 Oct 2018 17:00

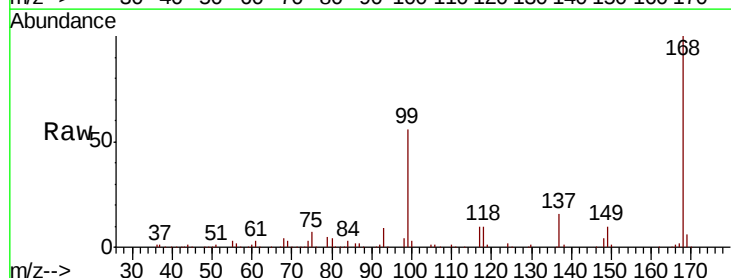
Tgt Ion: 117 Resp: 20791

Ion Ratio Lower Upper

117 100

119 7.3 78.8 118.2#

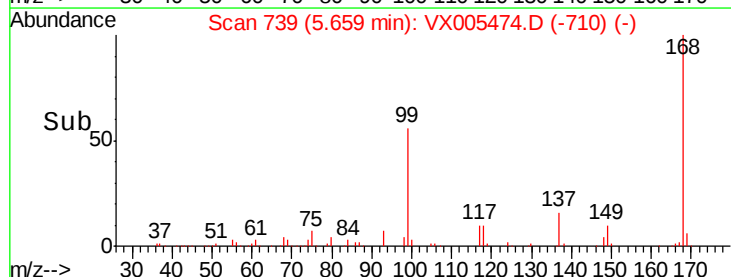
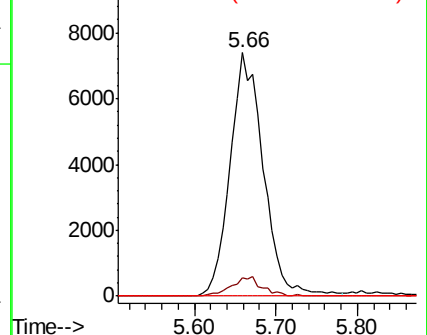
121 0.0 24.9 37.3#

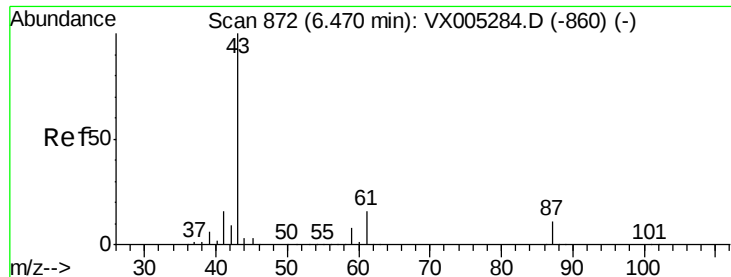


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 30.170 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005474.D

Acq: 22 Oct 2018 17:00

Instrument :

MSVOA_X

ClientSampleId :

PB114041ZHE#04

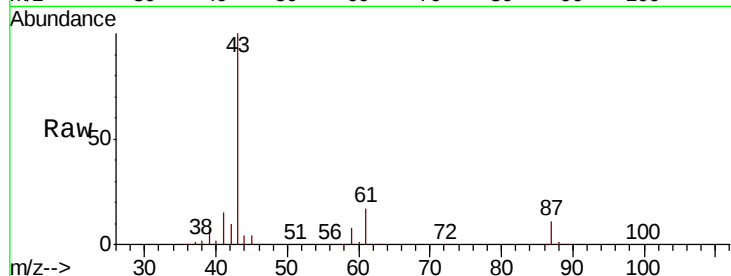
Tot Ion: 43 Resp: 169207

Ion Ratio Lower Upper

43 100

61 19.5 17.0 25.4

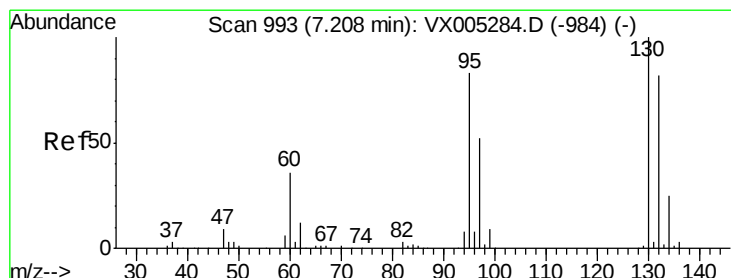
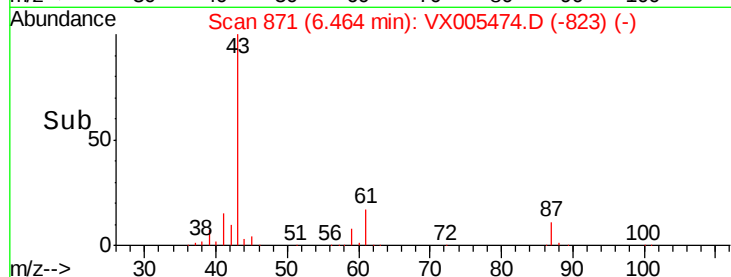
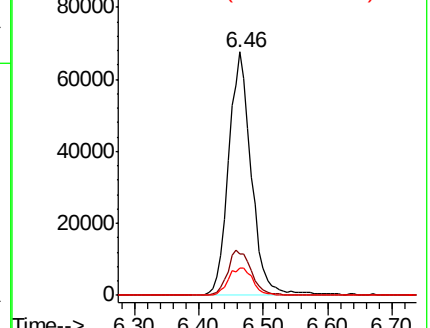
87 12.1 11.4 17.2



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: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX005474.D

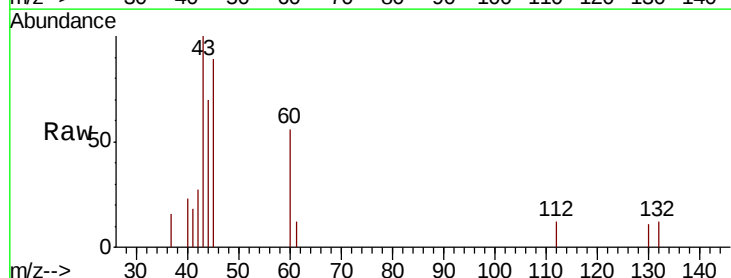
Acq: 22 Oct 2018 17:00

Tgt Ion:130 Resp: 22

Ion Ratio Lower Upper

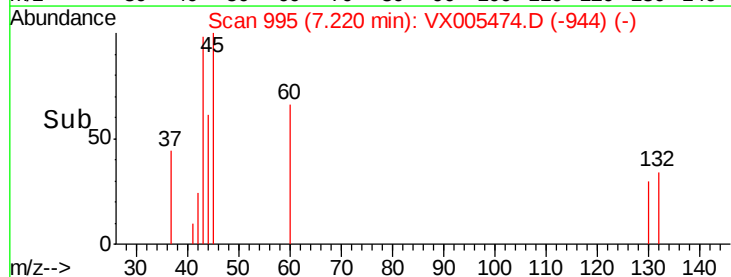
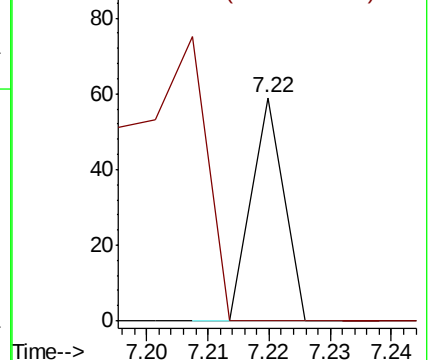
130 100

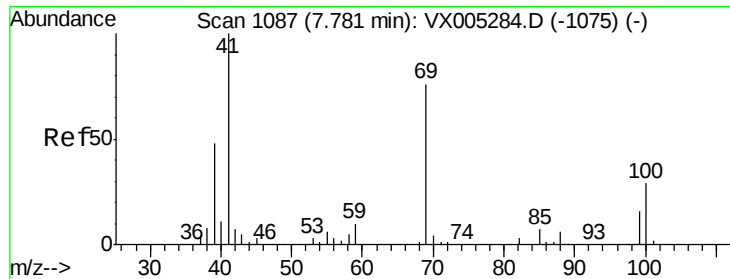
95 0.0 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

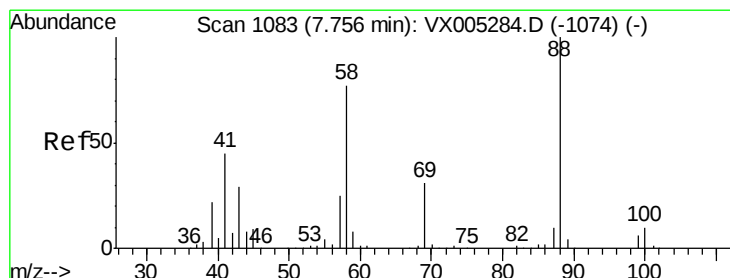
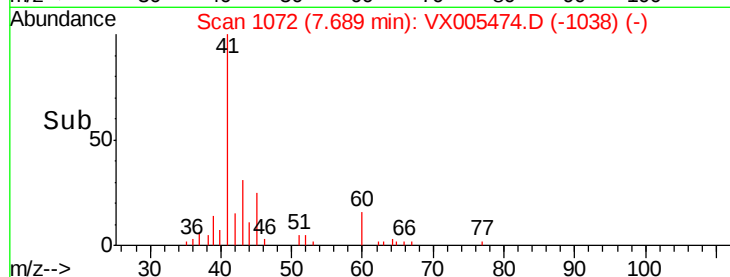
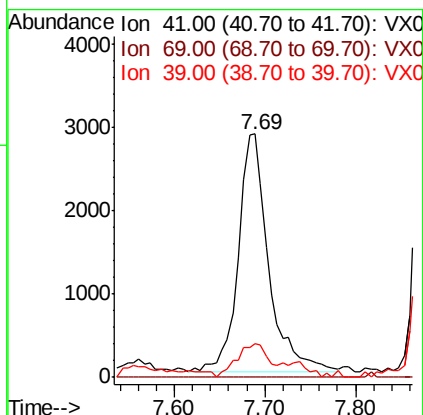
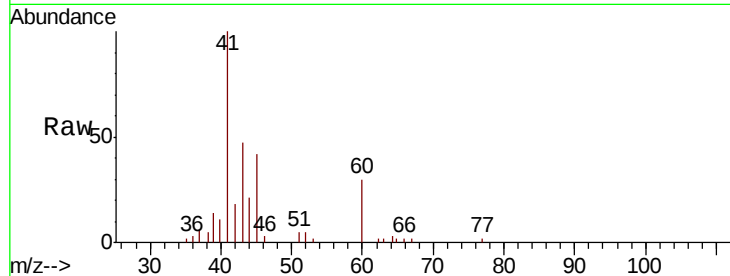




#48
Methyl methacrylate
Concen: 2.259 ug/l
RT: 7.69 min Scan# 1072
Delta R.T. -0.09 min
Lab File: VX005474.D
Acq: 22 Oct 2018 17:00

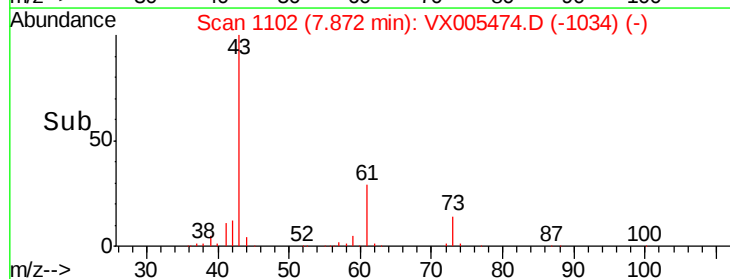
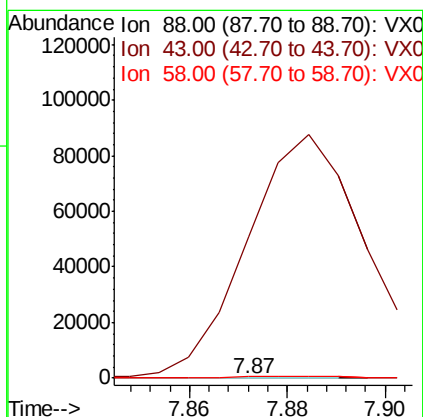
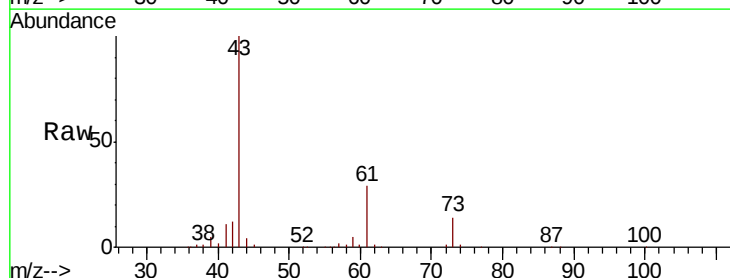
Instrument :
MSVOA_X
ClientSampleId :
PB114041ZHE#04

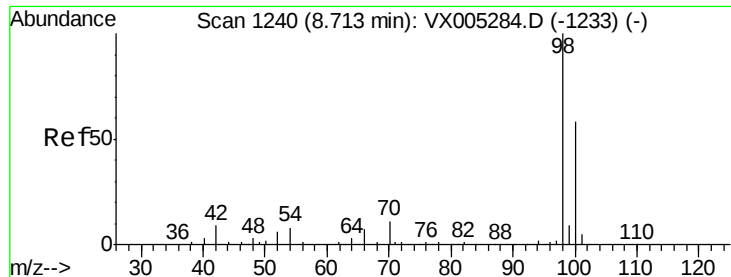
Tot Ion: 41 Resp: 6570
Ion Ratio Lower Upper
41 100
69 0.0 70.2 105.4#
39 14.6 42.7 64.1#



#49
1,4-Dioxane
Concen: 0.671 ug/l
RT: 7.87 min Scan# 1102
Delta R.T. 0.12 min
Lab File: VX005474.D
Acq: 22 Oct 2018 17:00

Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 342711.1 24.7 37.1#
58 3340.0 55.3 82.9#





#50

Toluene-d8

Concen: 53.731 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VX005474.D

Acq: 22 Oct 2018 17:00

Instrument :

MSVOA_X

ClientSampleId :

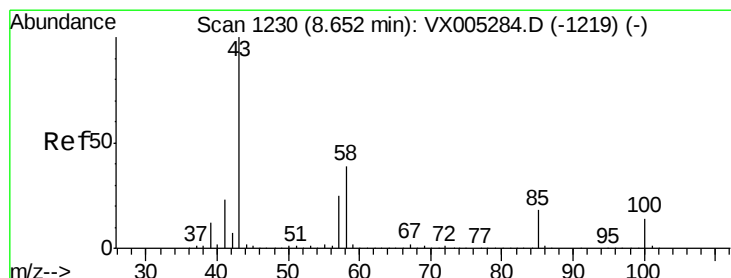
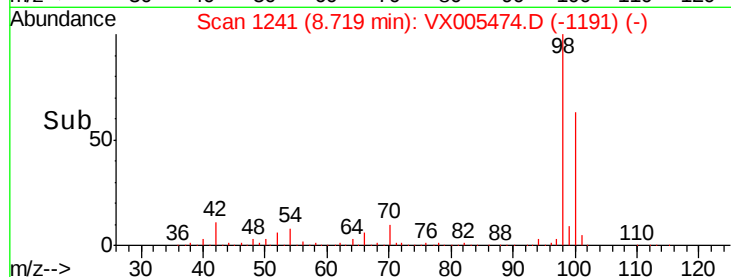
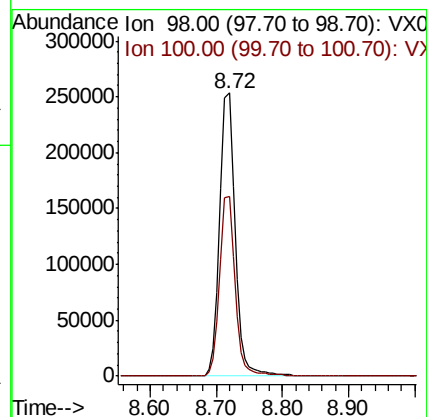
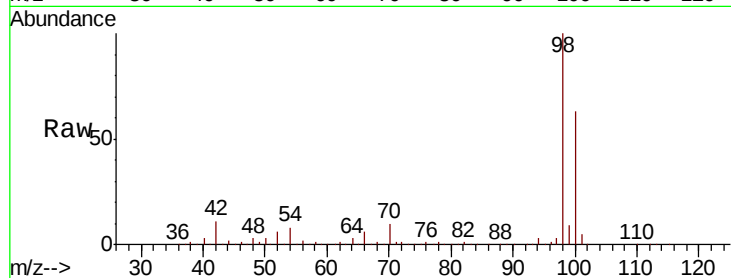
PB114041ZHE#04

Tot Ion: 98 Resp: 412991

Ion Ratio Lower Upper

98 100

100 62.9 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 0.717 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.04 min

Lab File: VX005474.D

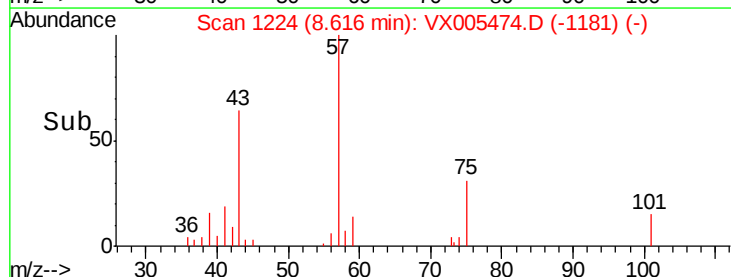
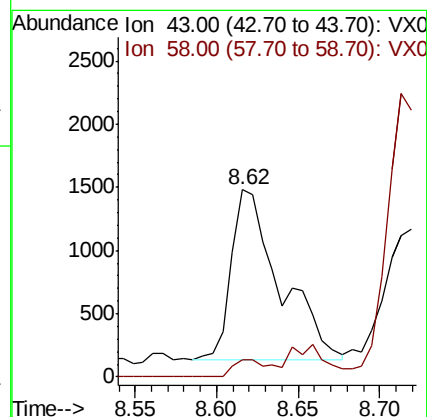
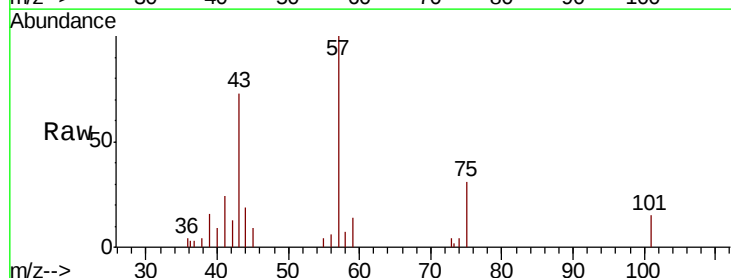
Acq: 22 Oct 2018 17:00

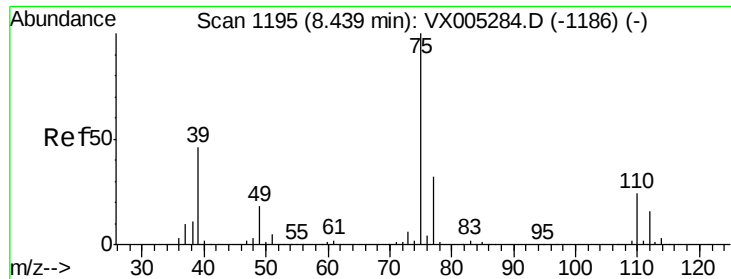
Tgt Ion: 43 Resp: 2784

Ion Ratio Lower Upper

43 100

58 5.9 33.1 49.7#

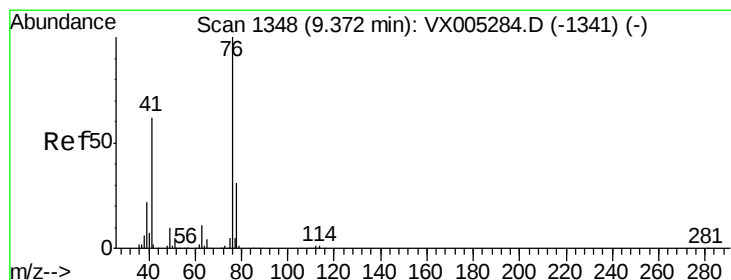
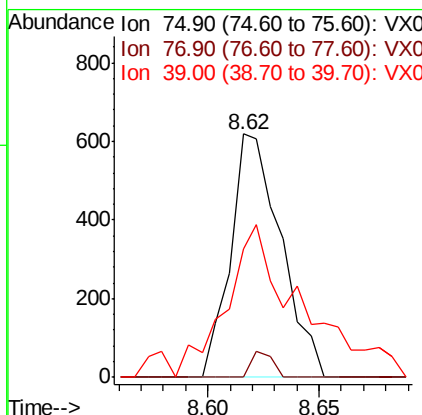
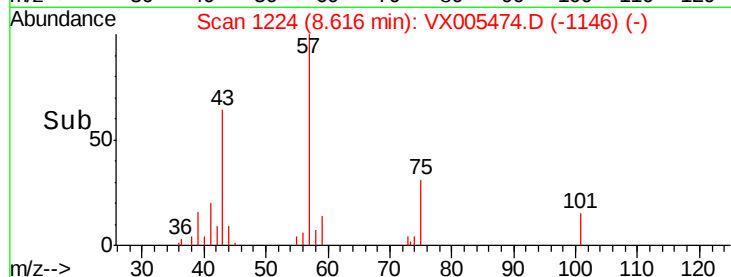
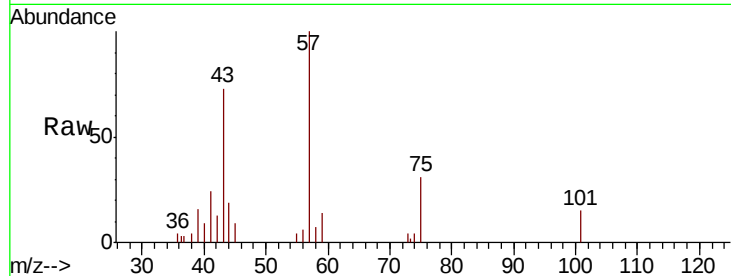




#54
 cis-1,3-Dichloropropene
 Concen: 0.282 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. 0.18 min
 Lab File: VX005474.D
 Acq: 22 Oct 2018 17:00

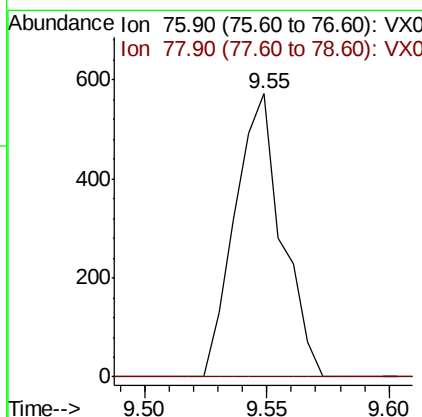
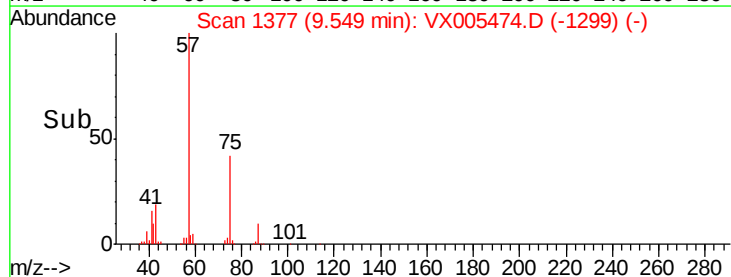
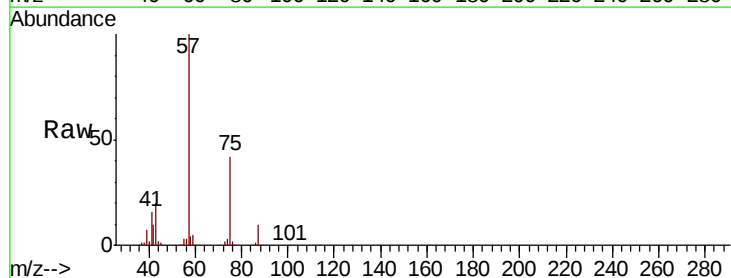
Instrument :
 MSVOA_X
 ClientSampleId :
 PB114041ZHE#04

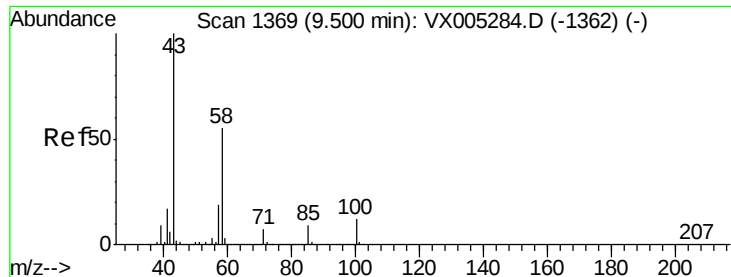
Tot Ion: 75 Resp: 972
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.2 39.2#
 39 39.4 36.4 54.6



#57
 1,3-Dichloropropane
 Concen: 0.201 ug/l
 RT: 9.55 min Scan# 1377
 Delta R.T. 0.18 min
 Lab File: VX005474.D
 Acq: 22 Oct 2018 17:00

Tgt Ion: 76 Resp: 764
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#

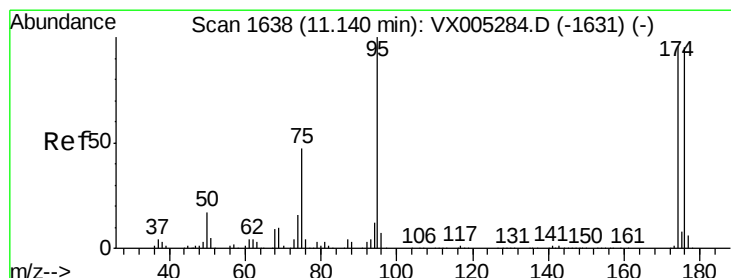
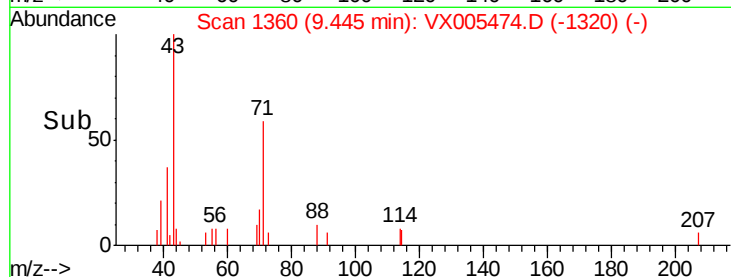
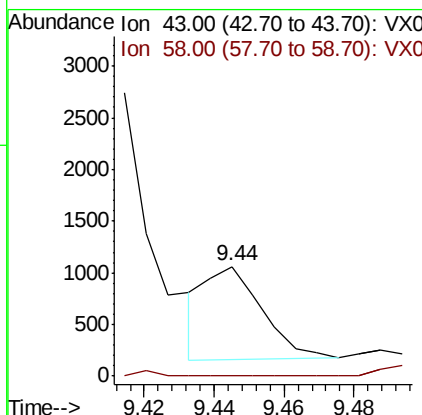
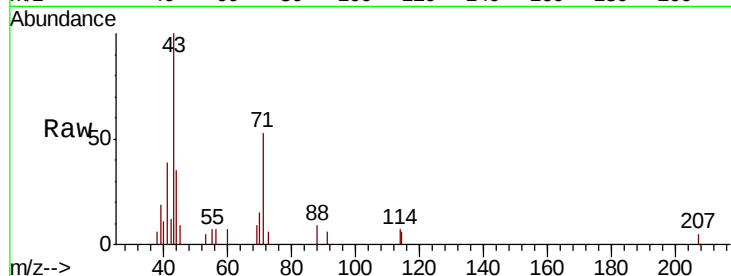




#59
2-Hexanone
Concen: 0.326 ug/l
RT: 9.44 min Scan# 1360
Delta R.T. -0.05 min
Lab File: VX005474.D
Acq: 22 Oct 2018 17:00

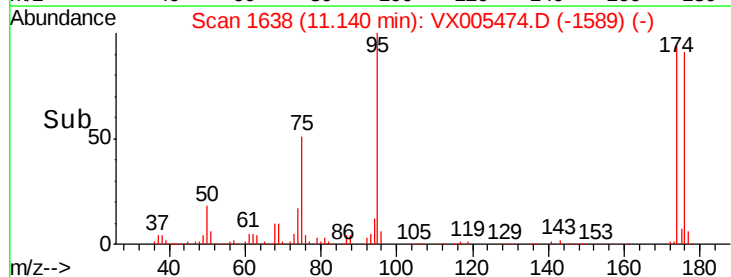
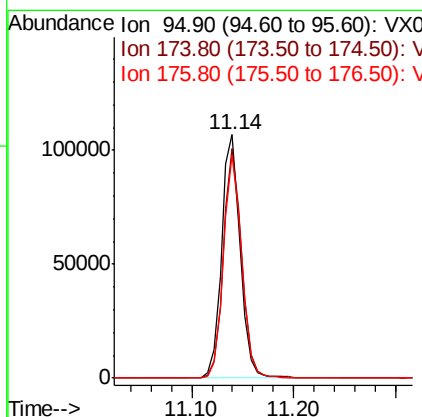
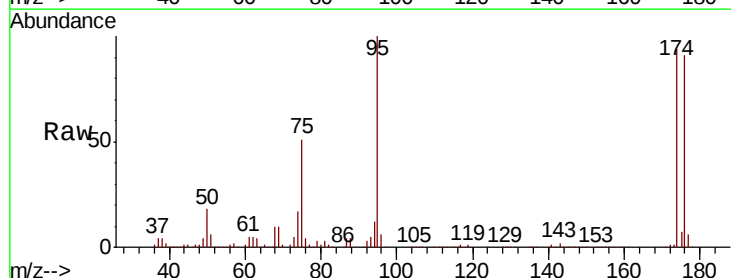
Instrument :
MSVOA_X
ClientSampleId :
PB114041ZHE#04

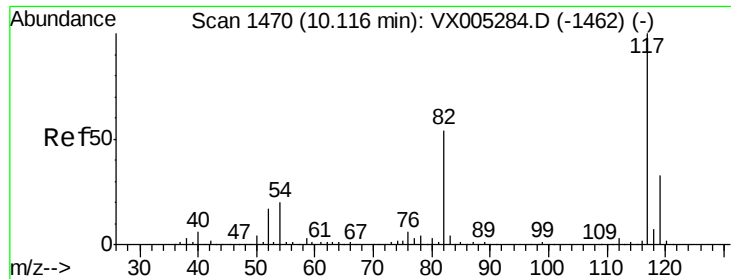
Tot Ion: 43 Resp: 1019
Ion Ratio Lower Upper
43 100
58 0.0 29.0 87.0#



#62
4-Bromofluorobenzene
Concen: 47.112 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005474.D
Acq: 22 Oct 2018 17:00

Tgt Ion: 95 Resp: 136036
Ion Ratio Lower Upper
95 100
174 92.5 0.0 185.2
176 89.7 0.0 178.6

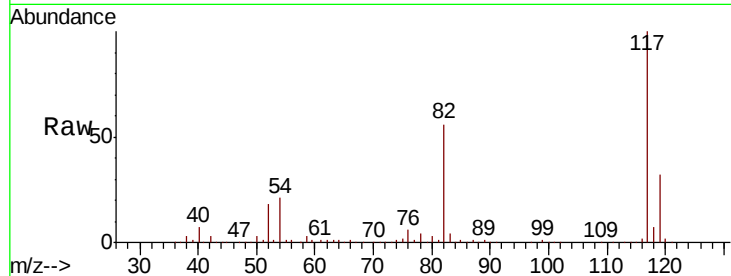




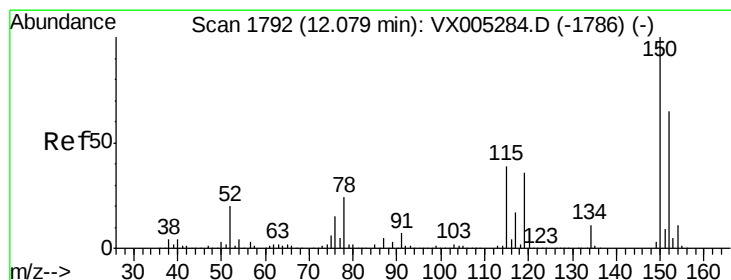
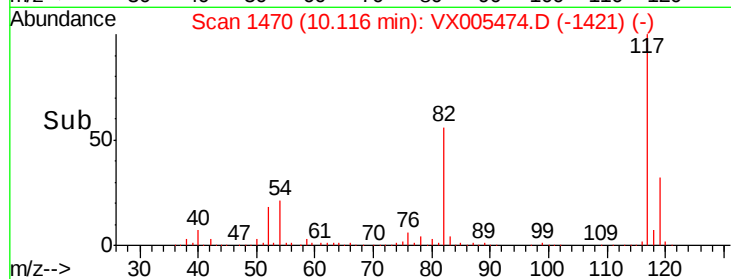
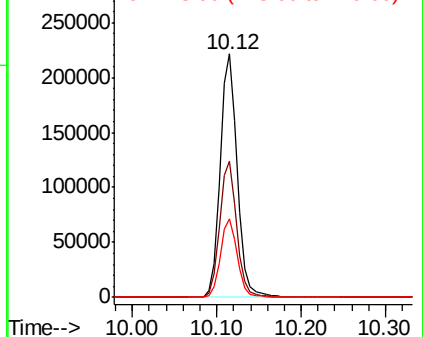
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005474.D
Acq: 22 Oct 2018 17:00

Instrument :
MSVOA_X
ClientSampleId :
PB114041ZHE#04

Tot Ion:117 Resp: 309762
Ion Ratio Lower Upper
117 100
82 55.8 47.8 71.6
119 32.0 29.3 43.9

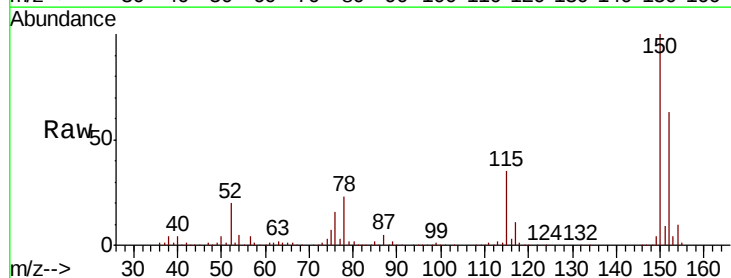


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

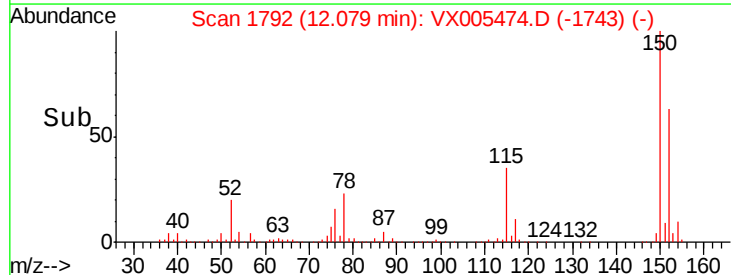
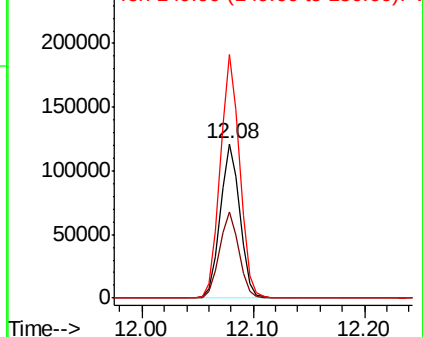


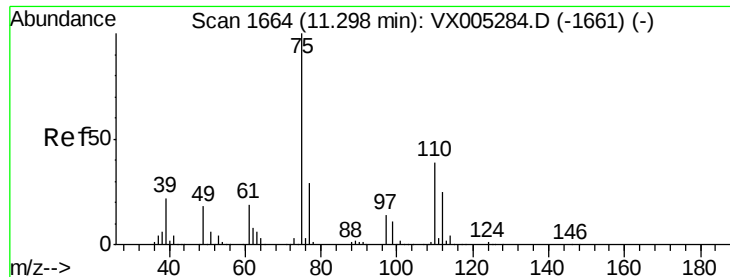
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005474.D
Acq: 22 Oct 2018 17:00

Tgt Ion:152 Resp: 147090
Ion Ratio Lower Upper
152 100
115 55.7 39.0 117.0
150 156.9 0.0 351.0



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





#76

1,2,3-Trichloropropane

Concen: 24.220 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005474.D

Acq: 22 Oct 2018 17:00

Instrument :

MSVOA_X

ClientSampleId :

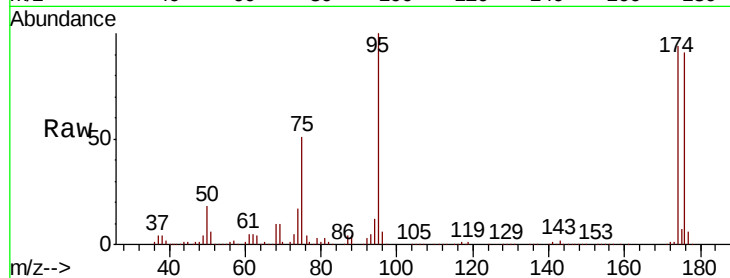
PB114041ZHE#04

Tot Ion: 75 Resp: 69102

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX005284.D (-1661) (-)

Ion 77.00 (76.70 to 77.70): VX005284.D (-1661) (-)

11.14

60000

50000

40000

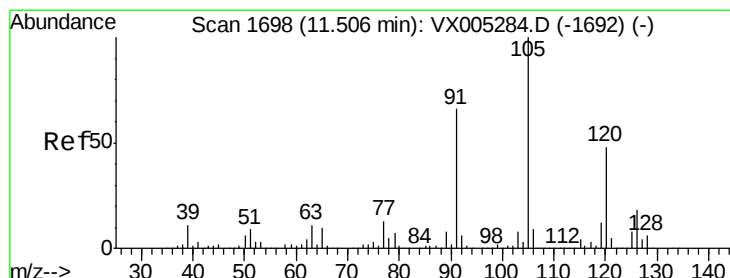
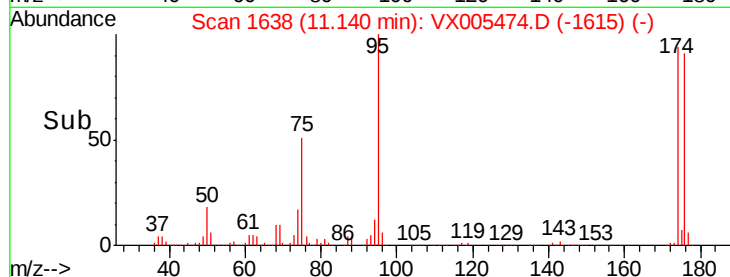
30000

20000

10000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.268 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005474.D

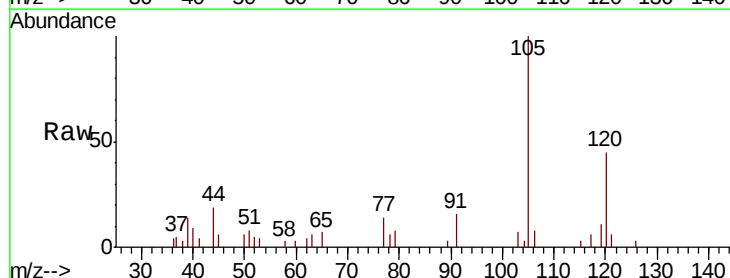
Acq: 22 Oct 2018 17:00

Tgt Ion: 105 Resp: 2005

Ion Ratio Lower Upper

105 100

120 49.7 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX005284.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005284.D (-1692) (-)

11.51

2000

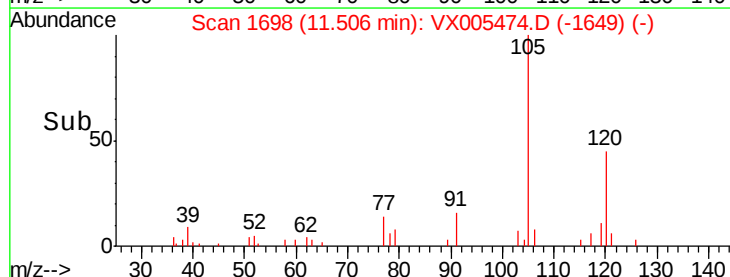
1500

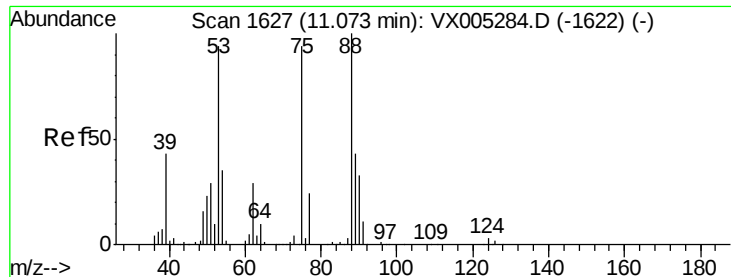
1000

500

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 73.591 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005474.D

Acq: 22 Oct 2018 17:00

Instrument :

MSVOA_X

ClientSampleId :

PB114041ZHE#04

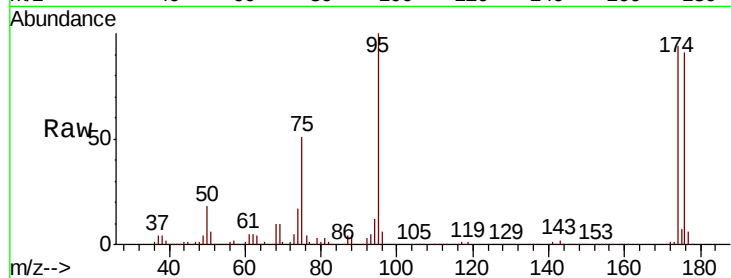
Tot Ion: 75 Resp: 69102

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

