

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
 Data File : VX006474.D
 Acq On : 13 Dec 2018 05:06
 Operator : JC/MD
 Sample : J6344-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RBR-200027

Quant Time: Dec 13 06:59:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	673931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1045410	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	962904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	457429	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	354555	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	
35) Dibromofluoromethane	5.51	113	313970	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	
50) Toluene-d8	8.71	98	1240220	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
62) 4-Bromofluorobenzene	11.13	95	454262	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	

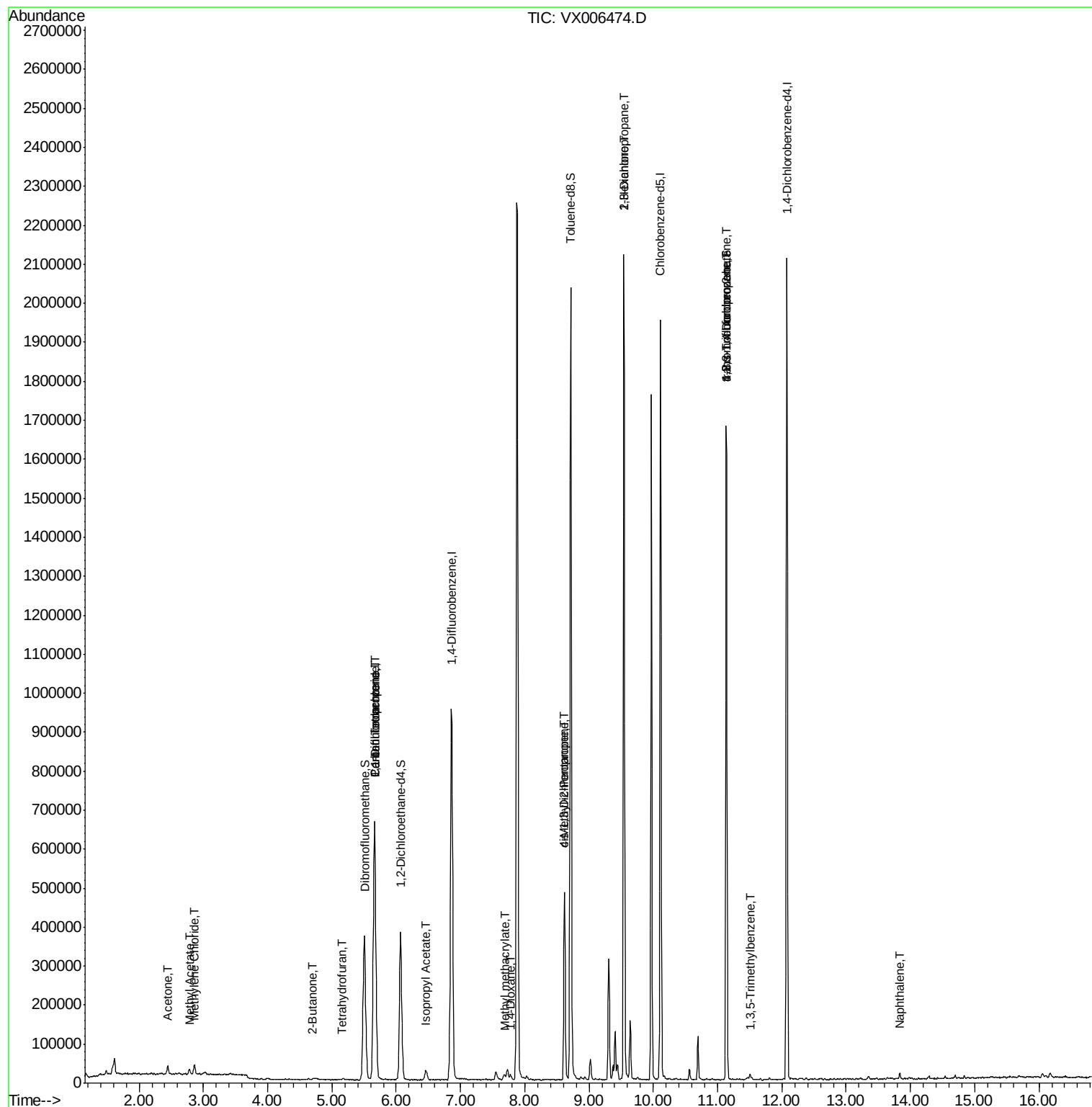
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	22756	7.048	ug/l #	86
18) Methyl Acetate	2.78	43	16423	1.521	ug/l	93
20) Methylene Chloride	2.86	84	11945	1.738	ug/l #	88
25) 2-Butanone	4.70	43	5471	1.188	ug/l	97
29) Tetrahydrofuran	5.15	42	1048	0.327	ug/l #	66
36) 1,1-Dichloropropene	5.67	75	43363	4.926	ug/l #	49
38) Carbon Tetrachloride	5.66	117	62795	6.063	ug/l #	16
43) Isopropyl Acetate	6.46	43	30787	1.873	ug/l #	94
48) Methyl methacrylate	7.69	41	15263	1.909	ug/l #	14
49) 1,4-Dioxane	7.78	88	113	0.573	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	151793	15.863	ug/l #	49
54) cis-1,3-Dichloropropene	8.62	75	82715	7.267	ug/l #	59
57) 1,3-Dichloropropane	9.54	76	18744	1.682	ug/l #	44
59) 2-Hexanone	9.54	43	231851	31.714	ug/l #	52
76) 1,2,3-Trichloropropane	11.13	75	206272	23.363	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	6132	0.233	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.13	75	206272	54.826	ug/l #	15
95) Naphthalene	13.83	128	9777	0.278	ug/l #	93

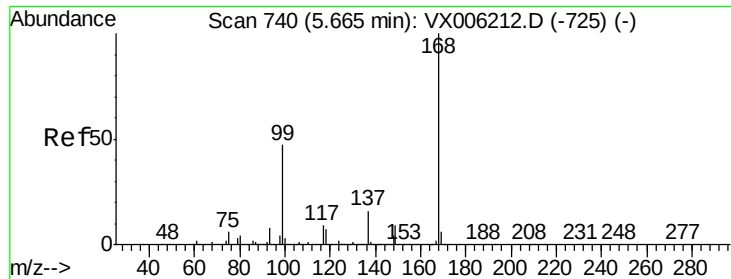
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 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: VX006474.D

Acq: 13 Dec 2018 05:06

Instrument :

MSVOA_X

ClientSampled :

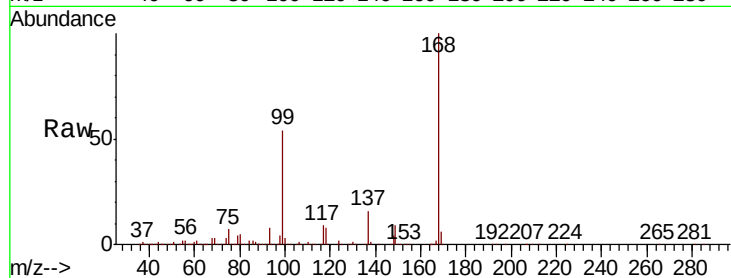
RBR-200027

Tot Ion:168 Resp: 673931

Ion Ratio Lower Upper

168 100

99 54.0 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

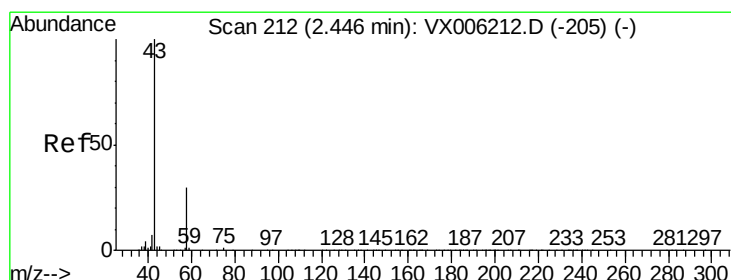
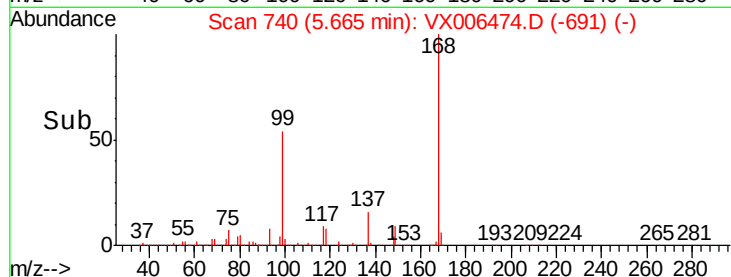
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 7.048 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006474.D

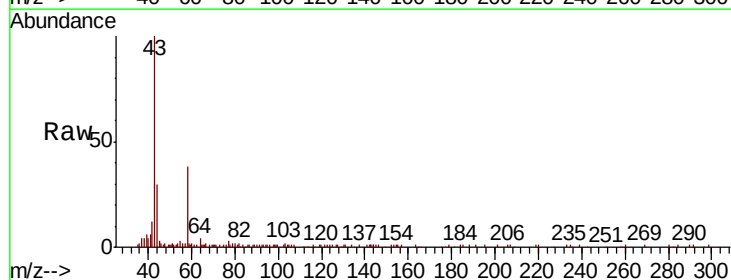
Acq: 13 Dec 2018 05:06

Tgt Ion: 43 Resp: 22756

Ion Ratio Lower Upper

43 100

58 37.6 24.0 36.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

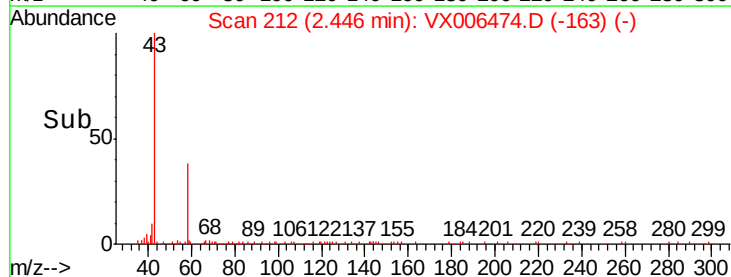
15000

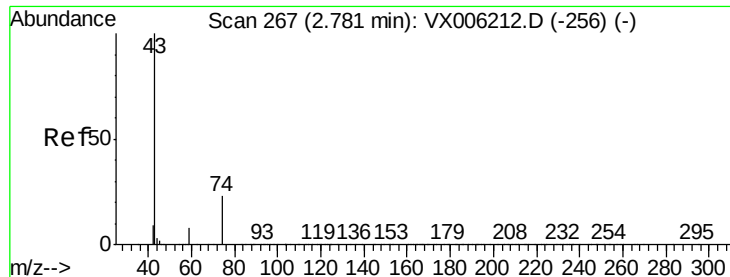
10000

5000

0

Time--> 2.35 2.40 2.45 2.50

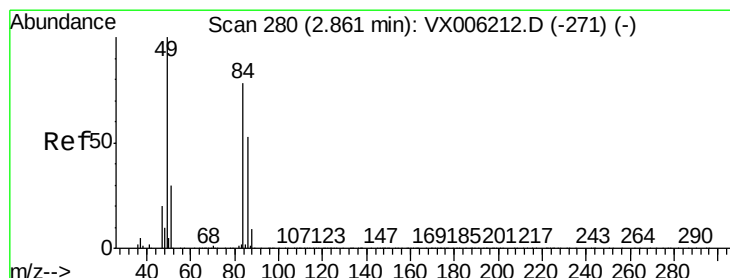
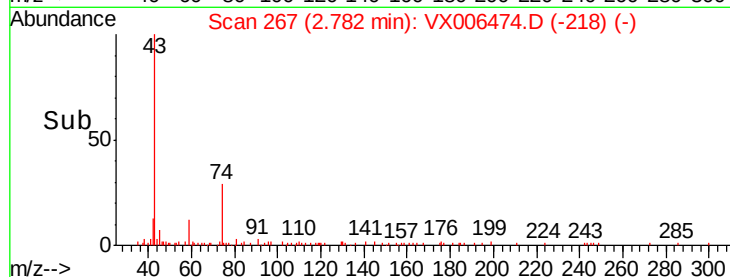
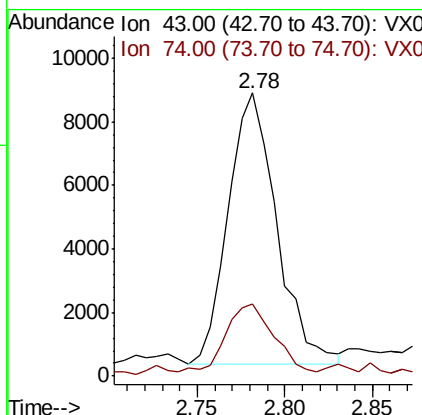
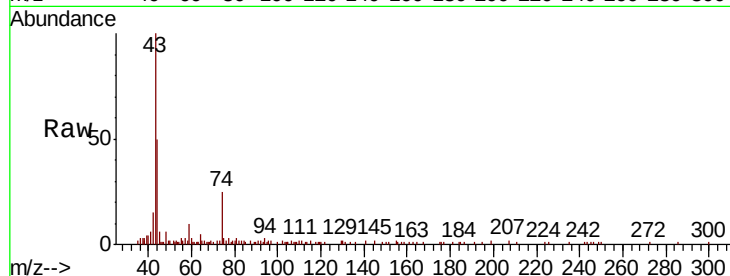




#18
Methyl Acetate
Concen: 1.521 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX006474.D
Acq: 13 Dec 2018 05:06

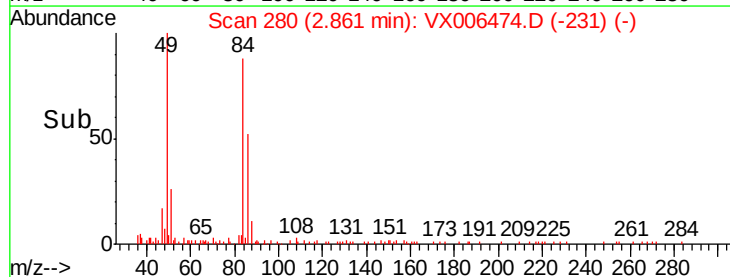
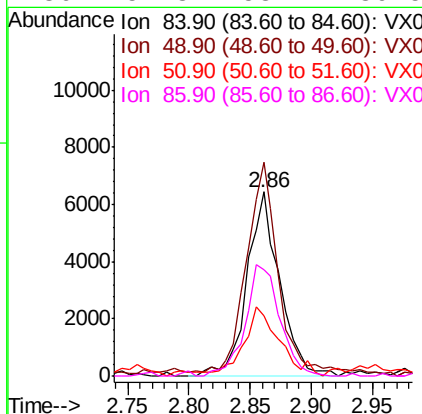
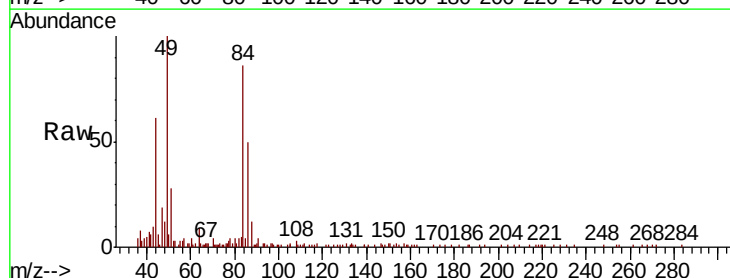
Instrument :
MSVOA_X
ClientSampleId :
RBR-200027

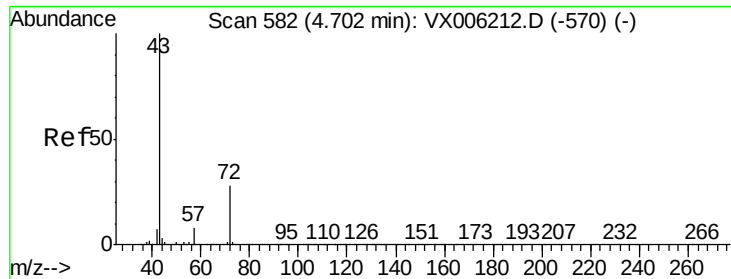
Tot Ion: 43 Resp: 16423
Ion Ratio Lower Upper
43 100
74 25.8 17.9 26.9



#20
Methylene Chloride
Concen: 1.738 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006474.D
Acq: 13 Dec 2018 05:06

Tgt Ion: 84 Resp: 11945
Ion Ratio Lower Upper
84 100
49 113.6 102.2 153.4
51 30.2 31.1 46.7#
86 57.8 53.7 80.5





#25

2-Butanone

Concen: 1.188 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006474.D

Acq: 13 Dec 2018 05:06

Instrument :

MSVOA_X

ClientSampleId :

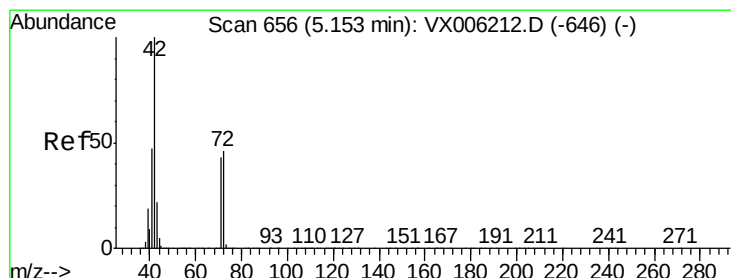
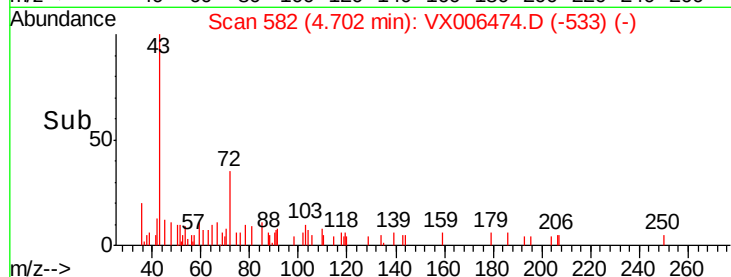
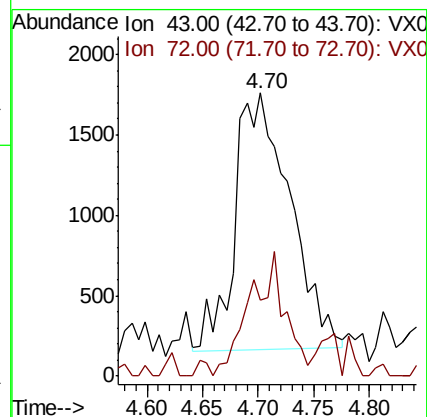
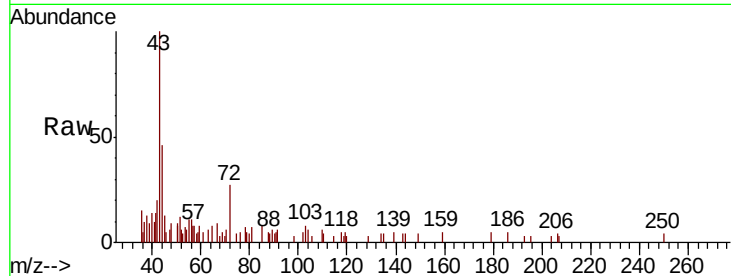
RBR-200027

Tot Ion: 43 Resp: 5471

Ion Ratio Lower Upper

43 100

72 29.9 22.6 33.8



#29

Tetrahydrofuran

Concen: 0.327 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX006474.D

Acq: 13 Dec 2018 05:06

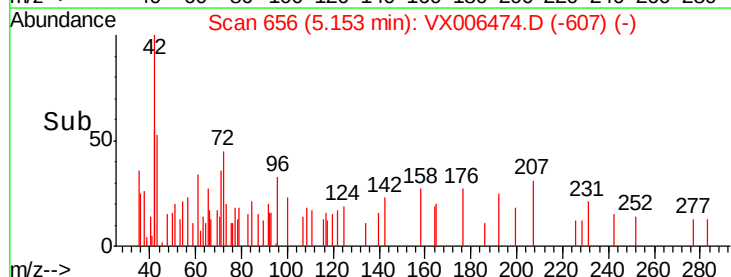
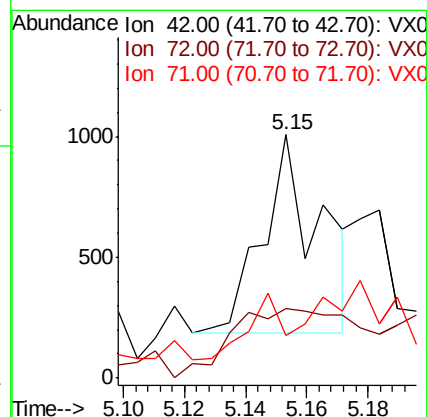
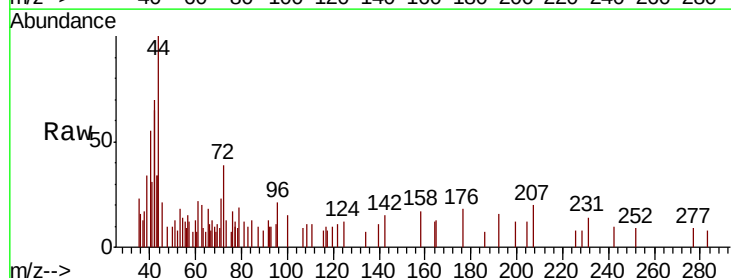
Tgt Ion: 42 Resp: 1048

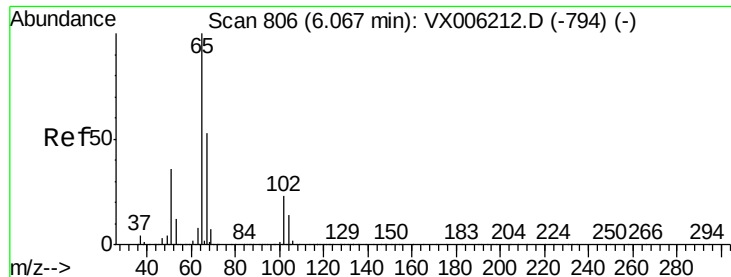
Ion Ratio Lower Upper

42 100

72 80.0 37.8 56.8#

71 32.9 35.2 52.8#

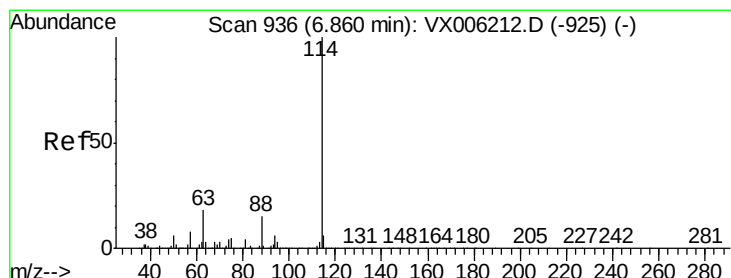
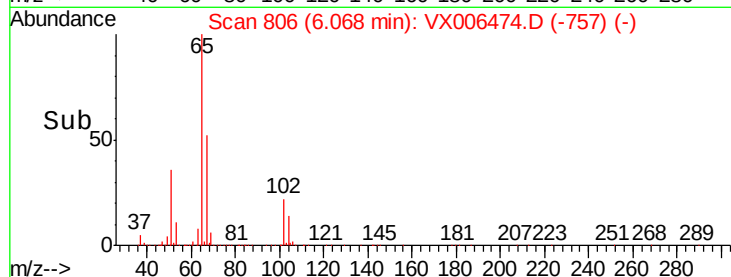
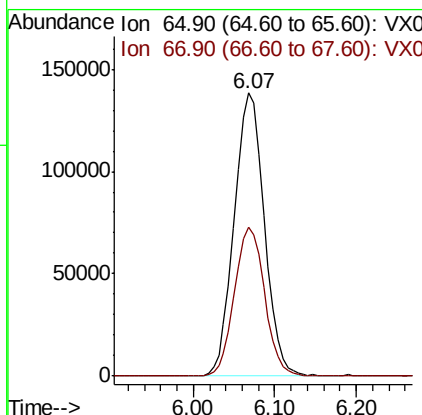
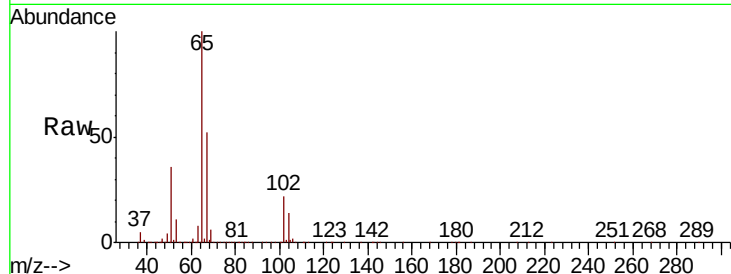




#33
 1,2-Dichloroethane-d4
 Concen: 51.536 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006474.D
 Acq: 13 Dec 2018 05:06

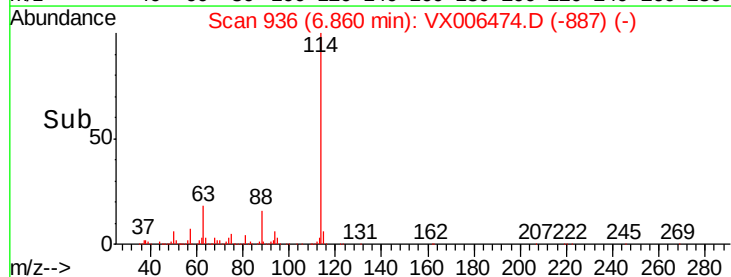
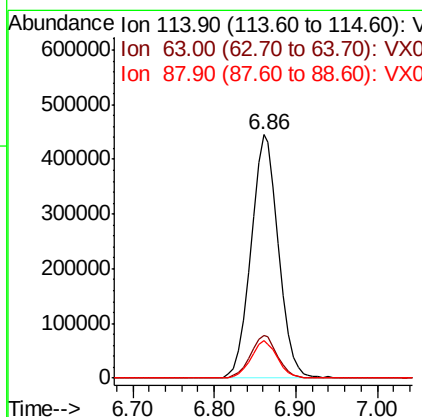
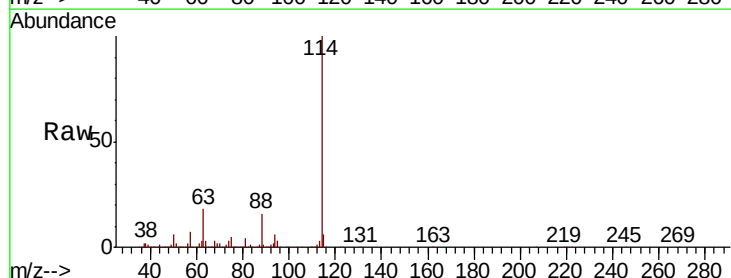
Instrument :
 MSVOA_X
 ClientSampleId :
 RBR-200027

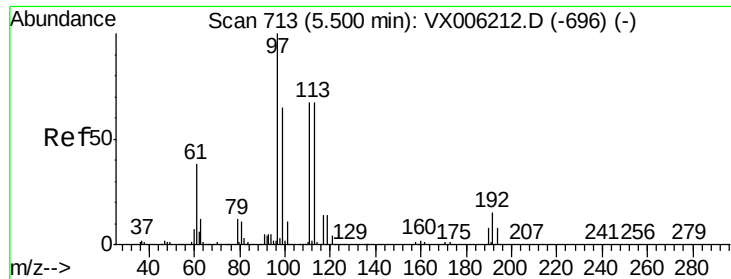
Tot Ion: 65 Resp: 354555
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006474.D
 Acq: 13 Dec 2018 05:06

Tgt Ion: 114 Resp: 1045410
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.6
 88 15.6 0.0 29.0

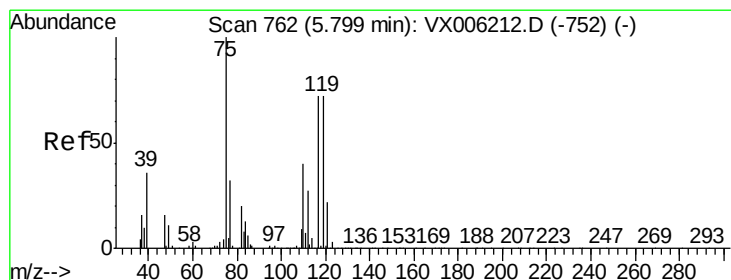
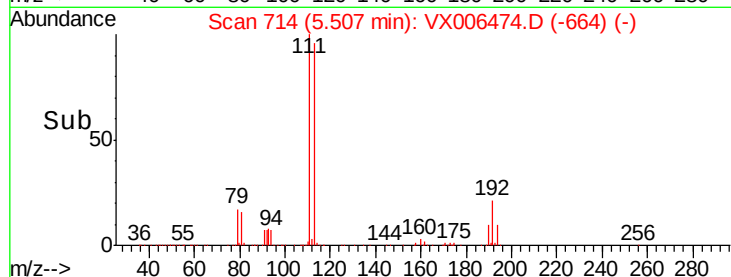
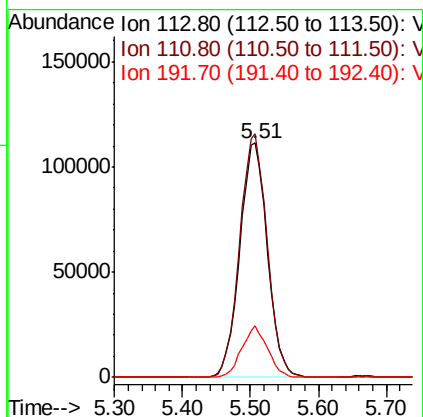
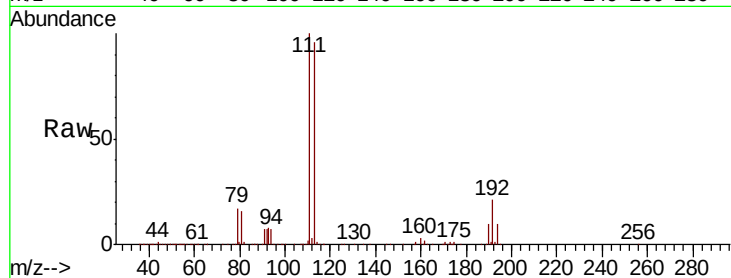




#35
 Dibromofluoromethane
 Concen: 46.386 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX006474.D
 Acq: 13 Dec 2018 05:06

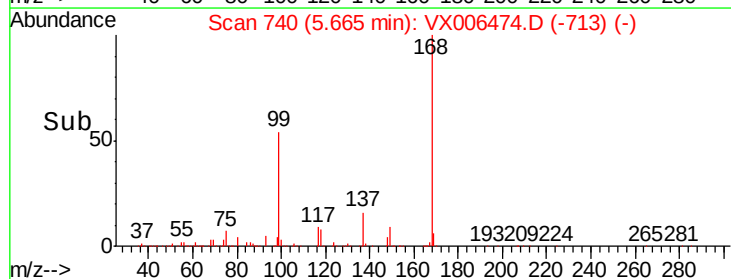
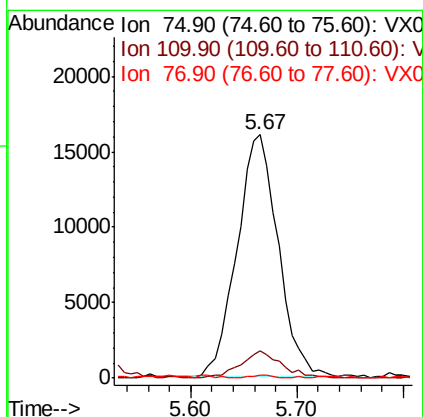
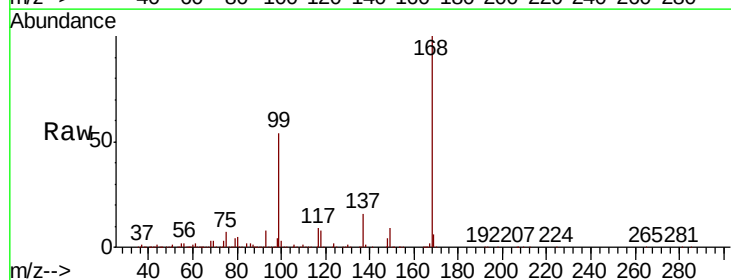
Instrument :
 MSVOA_X
 ClientSampleId :
 RBR-200027

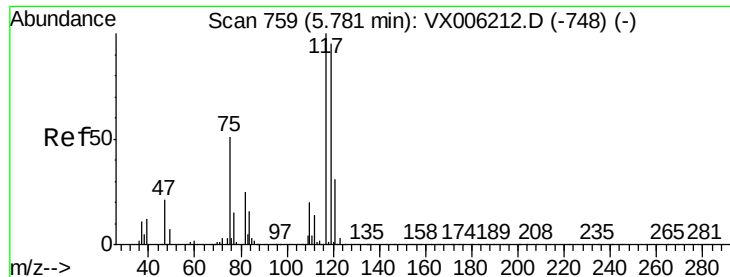
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.1	121.7
192	20.7	18.2	27.2



#36
 1,1-Dichloropropene
 Concen: 4.926 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX006474.D
 Acq: 13 Dec 2018 05:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.2	20.4	61.3#
77	0.7	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.063 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006474.D

Acq: 13 Dec 2018 05:06

Instrument :

MSVOA_X

ClientSampleId :

RBR-200027

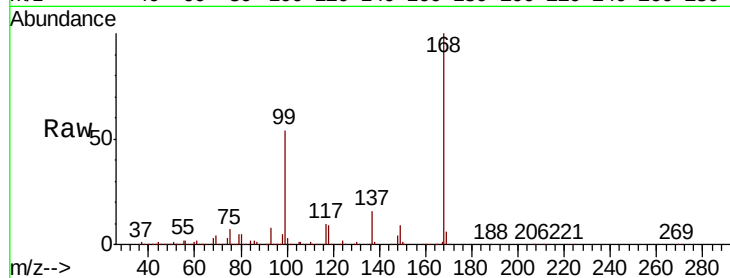
Tot Ion:117 Resp: 62795

Ion Ratio Lower Upper

117 100

119 4.3 75.8 113.8#

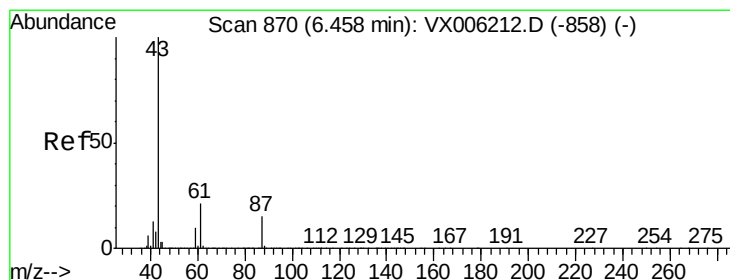
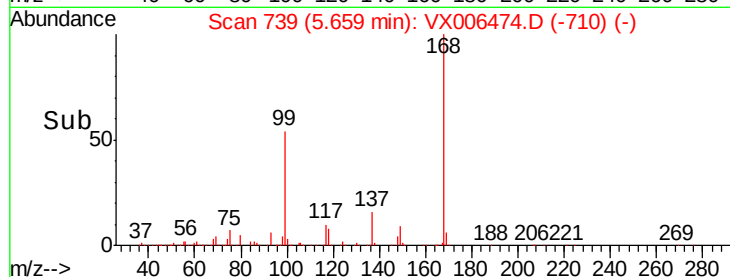
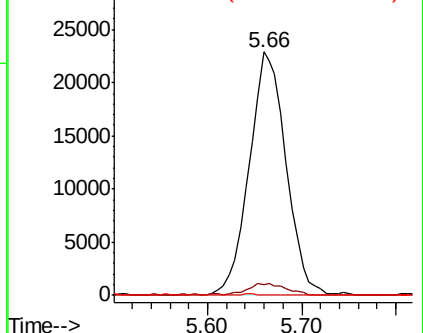
121 0.0 24.6 37.0#



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: 1.873 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX006474.D

Acq: 13 Dec 2018 05:06

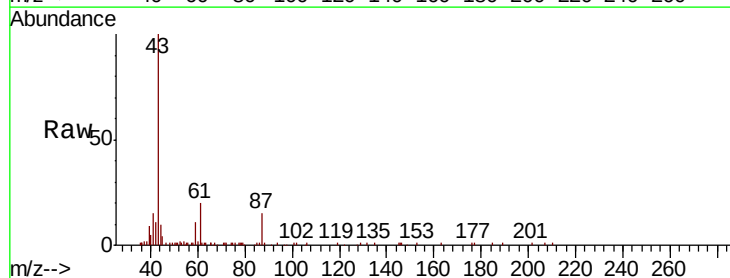
Tgt Ion: 43 Resp: 30787

Ion Ratio Lower Upper

43 100

61 23.0 16.8 25.2

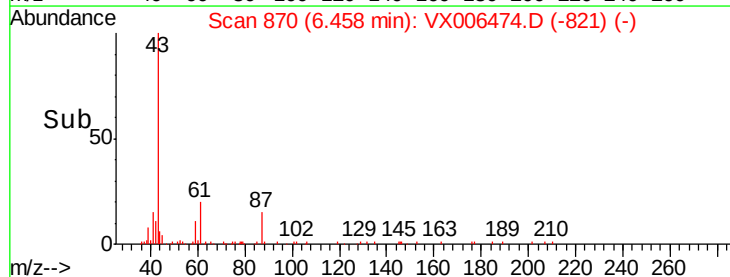
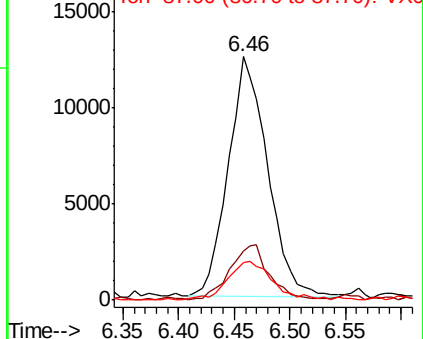
87 18.2 11.9 17.9#

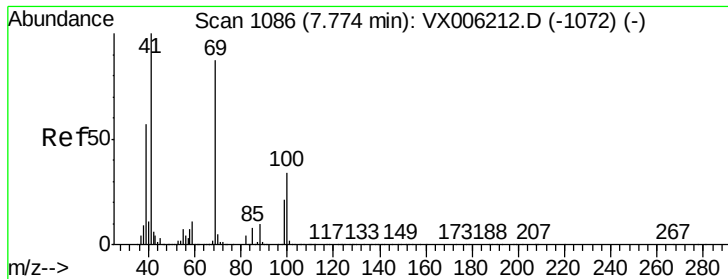


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

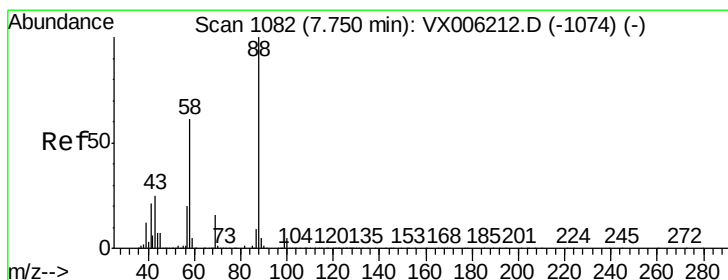
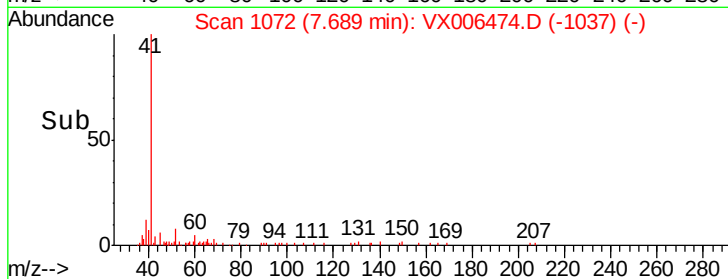
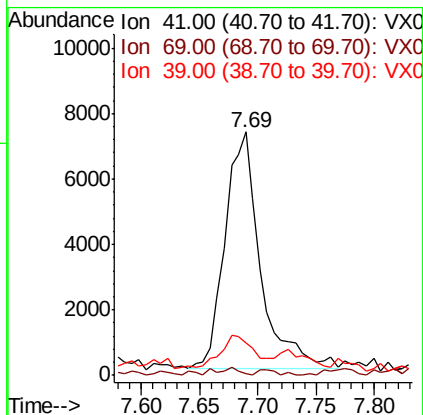
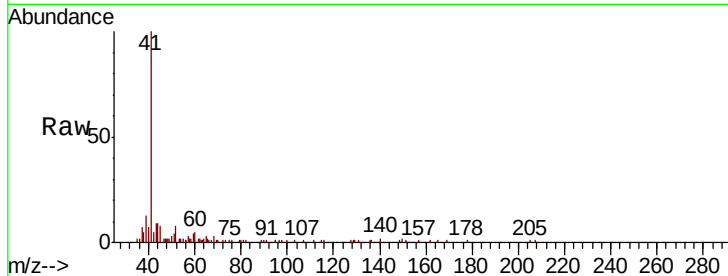




#48
Methvl methacrylate
Concen: 1.909 ug/l
RT: 7.69 min Scan# 1072
Delta R.T. -0.09 min
Lab File: VX006474.D
Acq: 13 Dec 2018 05:06

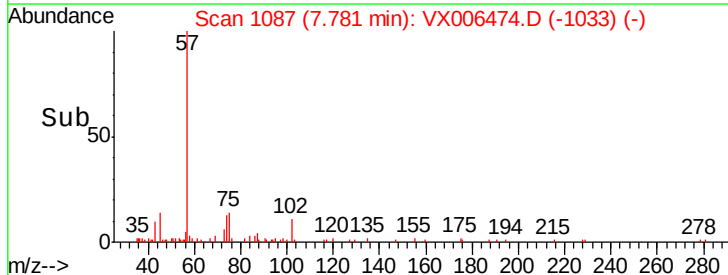
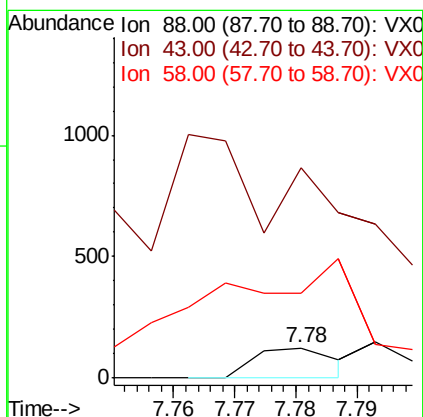
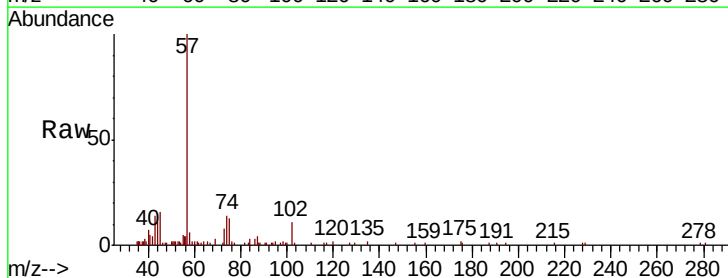
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RBR-200027

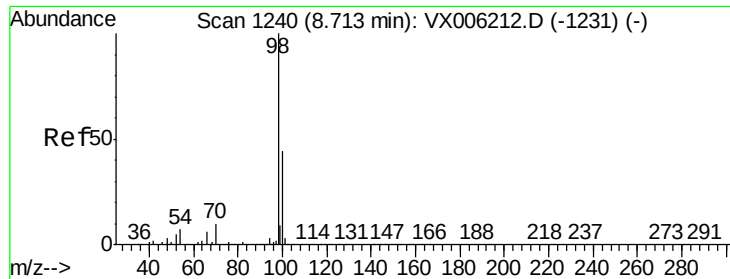
Tot Ion	Ratio	Lower	Upper
41	100		
69	2.0	70.3	105.5#
39	0.0	45.3	67.9#



#49
1,4-Dioxane
Concen: 0.573 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.03 min
Lab File: VX006474.D
Acq: 13 Dec 2018 05:06

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.2	34.8#
58	619.5	51.4	77.0#





#50

Toluene-d8

Concen: 50.374 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006474.D

Acq: 13 Dec 2018 05:06

Instrument :

MSVOA_X

ClientSampleId :

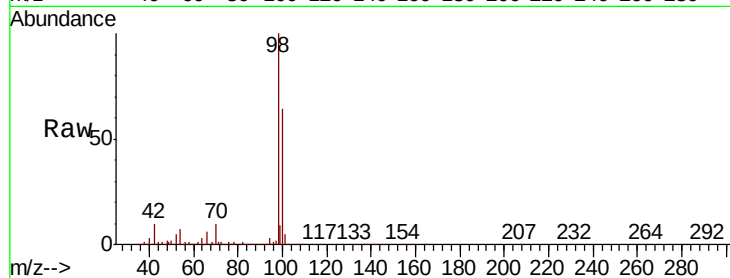
RBR-200027

Tot Ion: 98 Resp: 1240220

Ion Ratio Lower Upper

98 100

100 64.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

800000

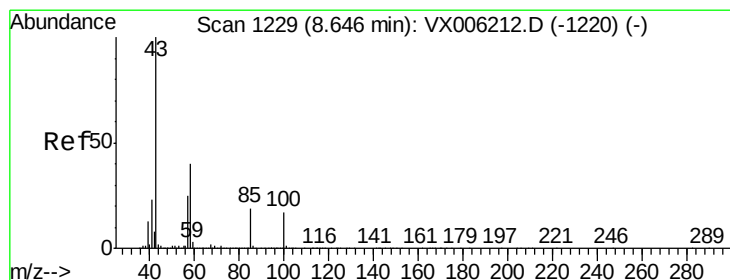
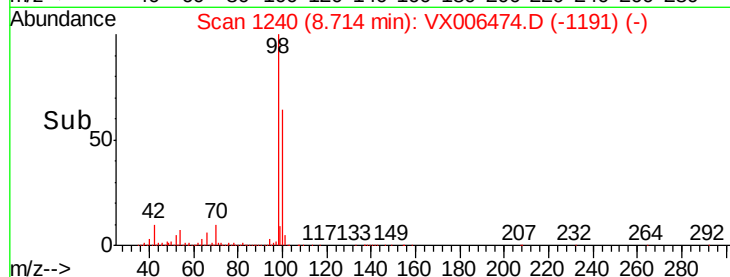
600000

400000

200000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 15.863 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.03 min

Lab File: VX006474.D

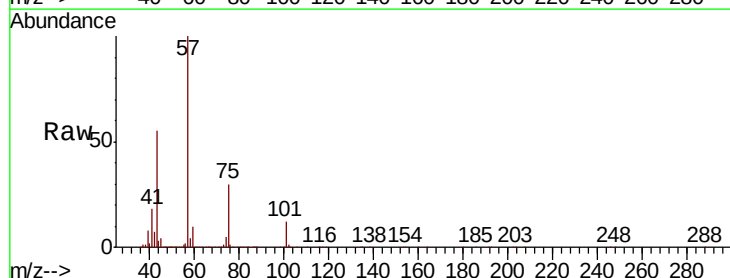
Acq: 13 Dec 2018 05:06

Tgt Ion: 43 Resp: 151793

Ion Ratio Lower Upper

43 100

58 7.9 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

100000

80000

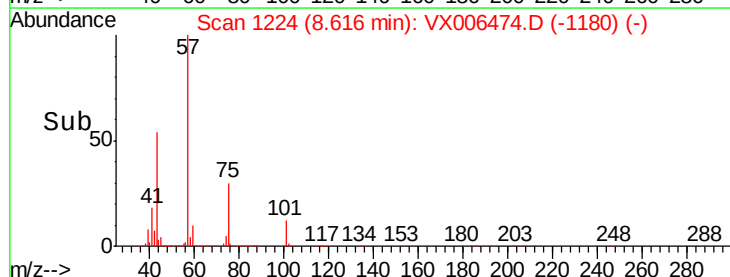
60000

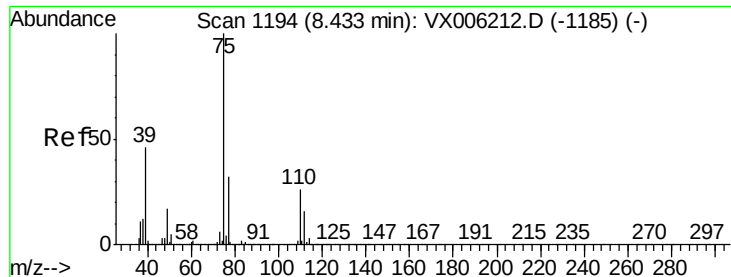
40000

20000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 7.267 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX006474.D

Acq: 13 Dec 2018 05:06

Instrument :

MSVOA_X

ClientSampleId :

RBR-200027

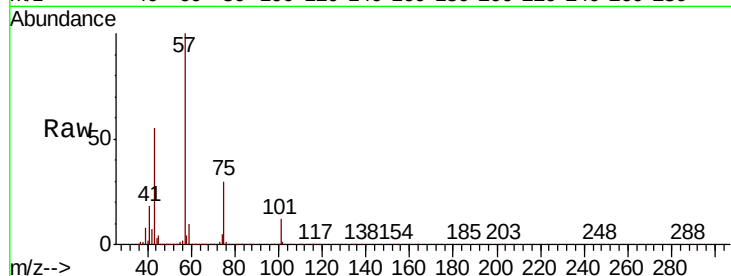
Tot Ion: 75 Resp: 82715

Ion Ratio Lower Upper

75 100

77 0.5 25.6 38.4#

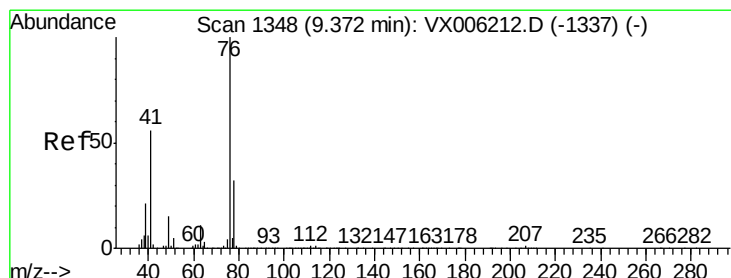
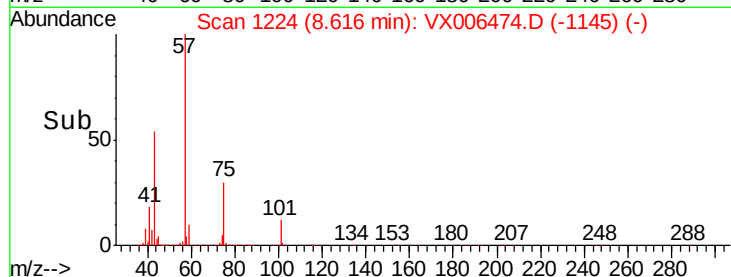
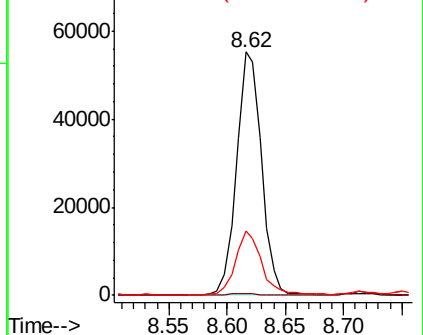
39 26.0 36.5 54.7#



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



#57

1,3-Dichloropropane

Concen: 1.682 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX006474.D

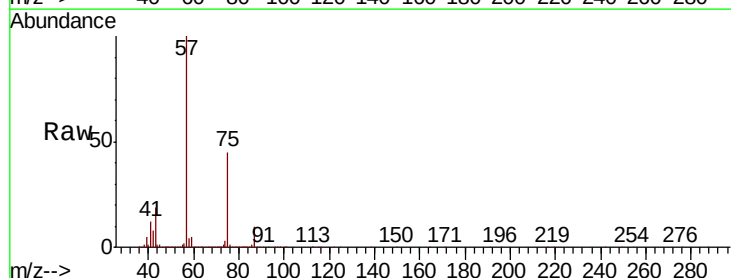
Acq: 13 Dec 2018 05:06

Tgt Ion: 76 Resp: 18744

Ion Ratio Lower Upper

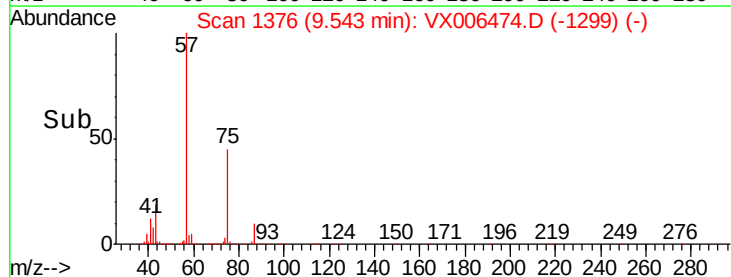
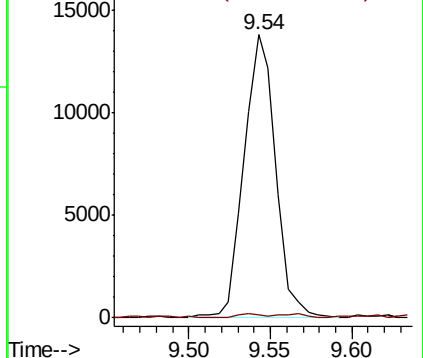
76 100

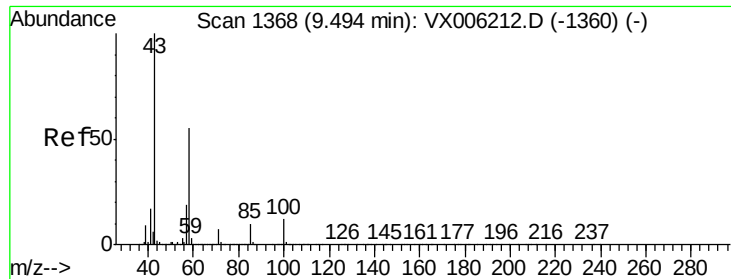
78 1.2 26.1 39.1#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#59

2-Hexanone

Concen: 31.714 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.05 min

Lab File: VX006474.D

Acq: 13 Dec 2018 05:06

Instrument :

MSVOA_X

ClientSampleId :

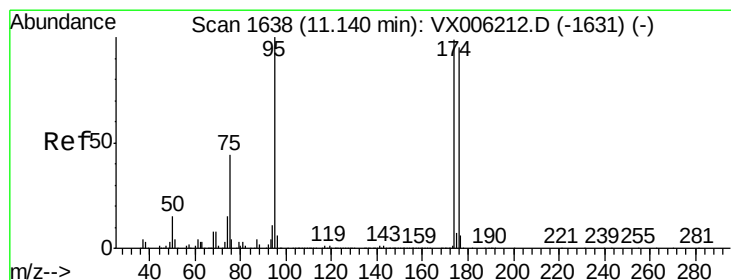
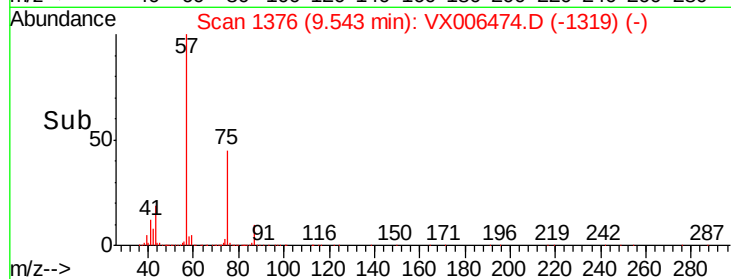
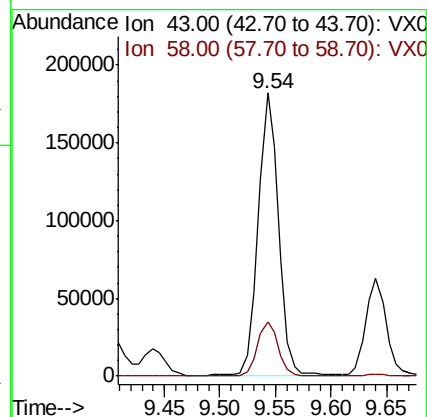
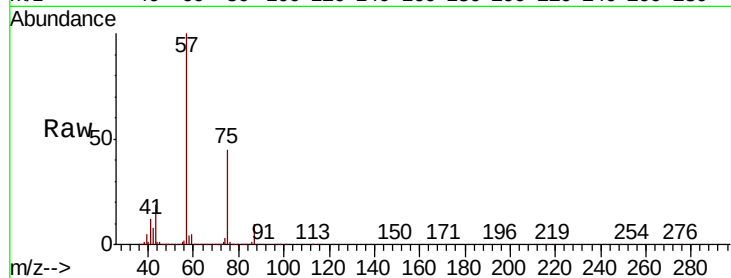
RBR-200027

Tot Ion: 43 Resp: 231851

Ion Ratio Lower Upper

43 100

58 20.4 27.7 83.1#



#62

4-Bromofluorobenzene

Concen: 48.963 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006474.D

Acq: 13 Dec 2018 05:06

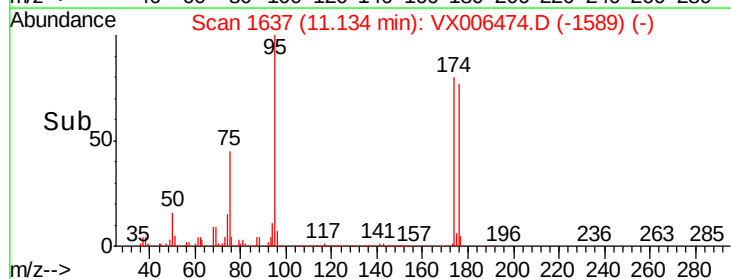
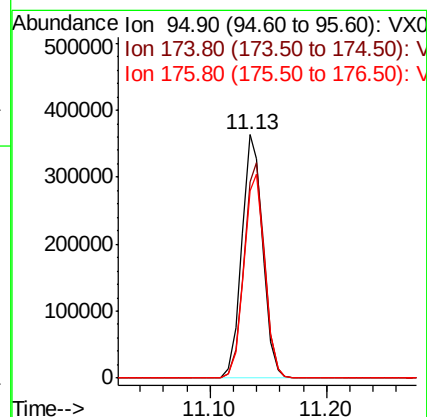
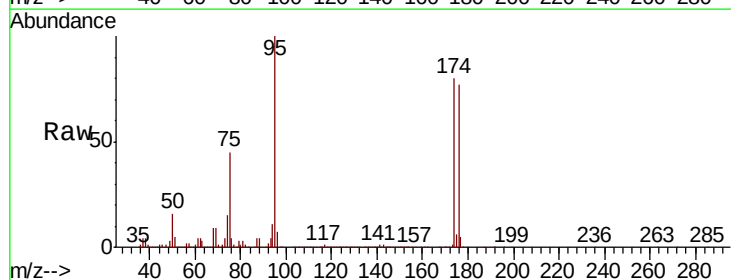
Tgt Ion: 95 Resp: 454262

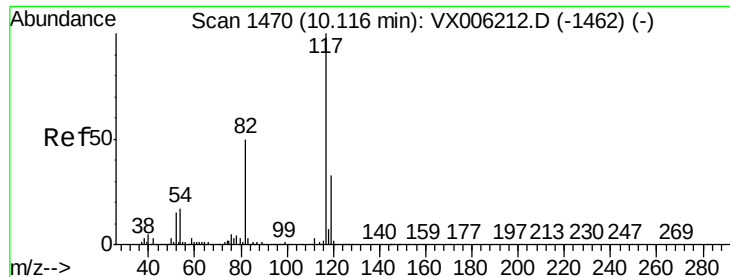
Ion Ratio Lower Upper

95 100

174 87.3 0.0 187.0

176 84.0 0.0 181.8

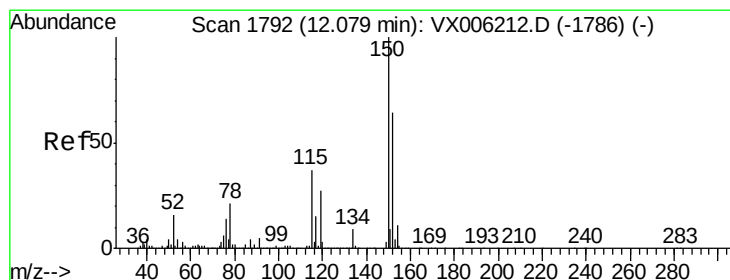
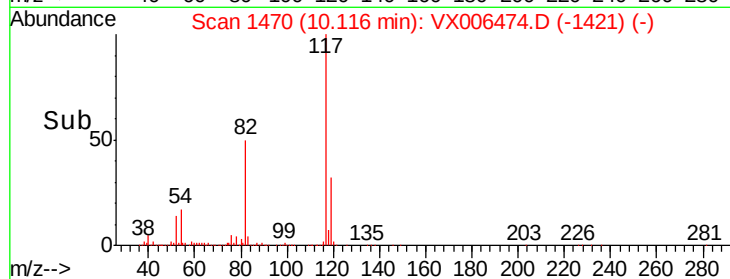
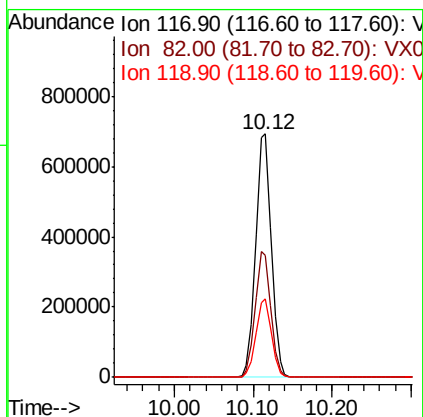
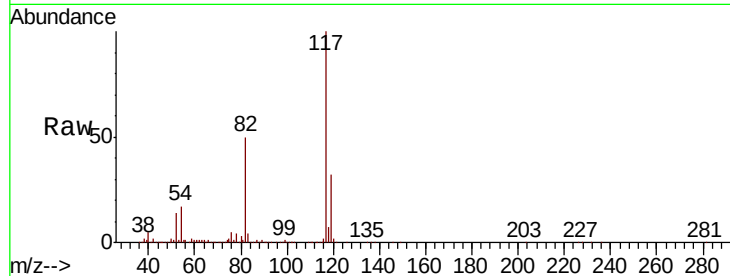




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006474.D
Acq: 13 Dec 2018 05:06

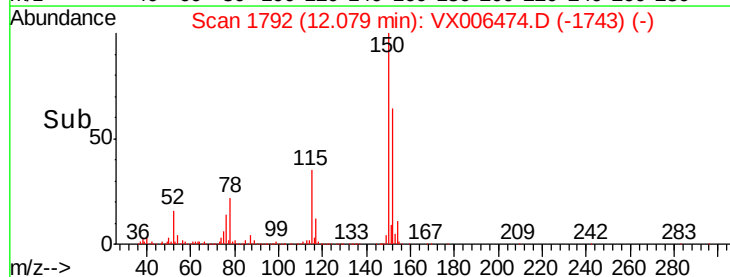
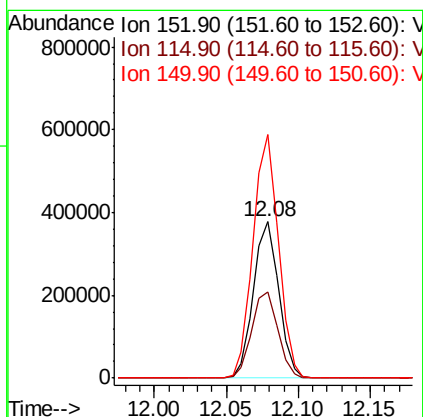
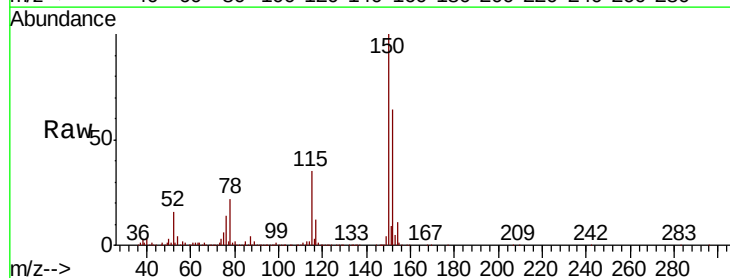
Instrument :
MSVOA_X
ClientSampleId :
RBR-200027

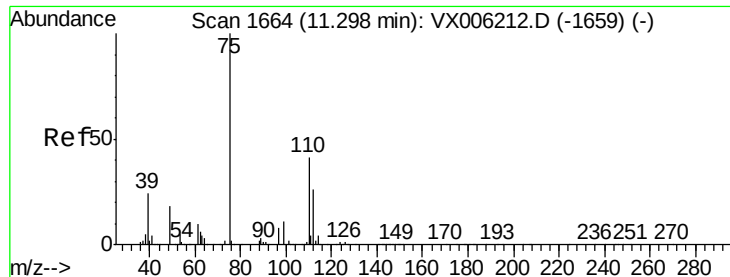
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.1	39.6	59.4
119	32.0	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006474.D
Acq: 13 Dec 2018 05:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	39.0	116.9
150	156.3	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 23.363 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006474.D

Acq: 13 Dec 2018 05:06

Instrument :

MSVOA_X

ClientSampleId :

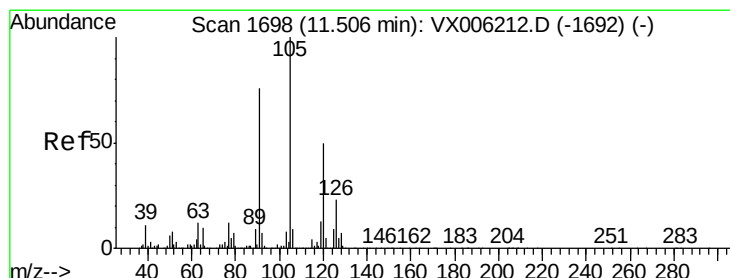
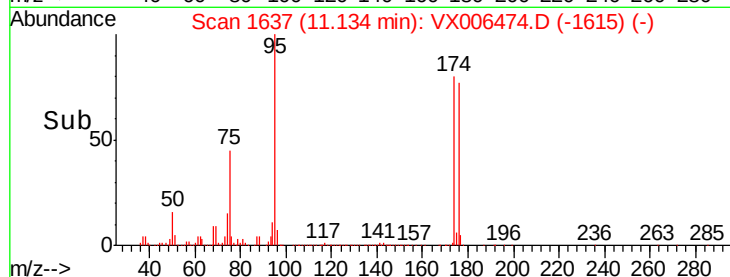
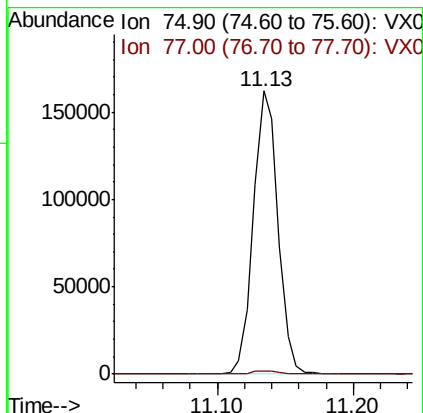
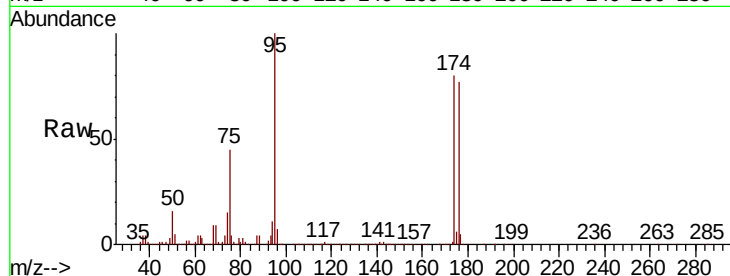
RBR-200027

Tot Ion: 75 Resp: 206272

Ion Ratio Lower Upper

75 100

77 1.4 19.9 59.7#



#80

1,3,5-Trimethylbenzene

Concen: 0.233 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006474.D

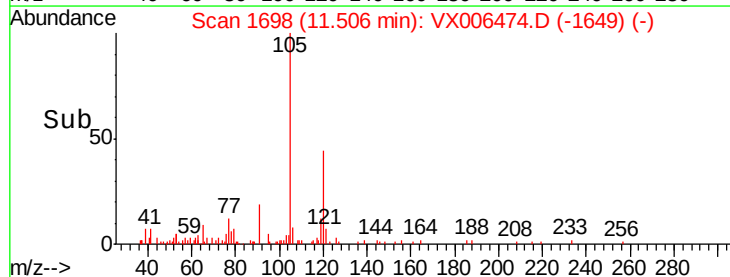
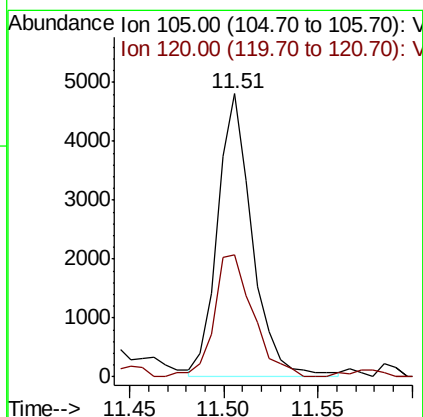
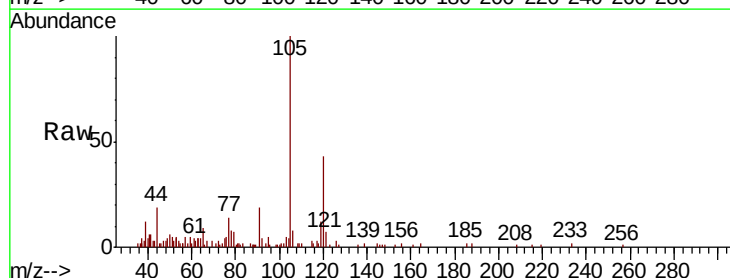
Acq: 13 Dec 2018 05:06

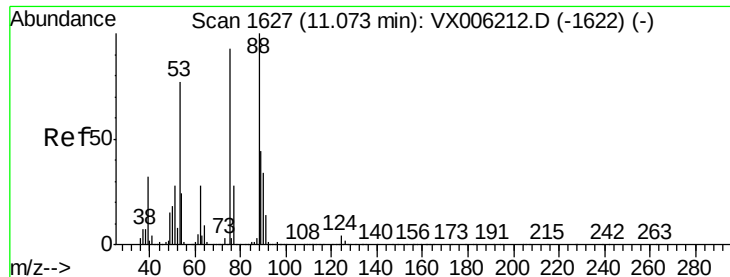
Tgt Ion: 105 Resp: 6132

Ion Ratio Lower Upper

105 100

120 48.7 25.4 76.0

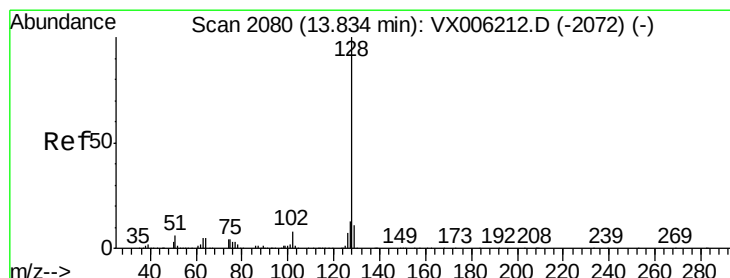
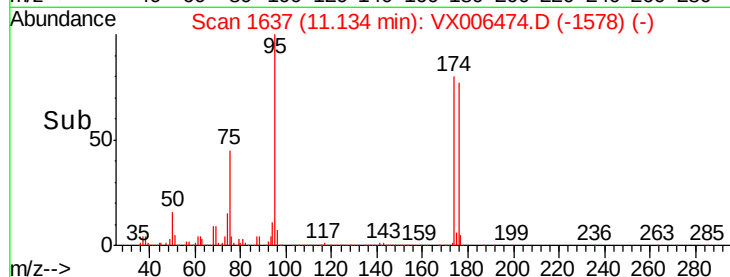
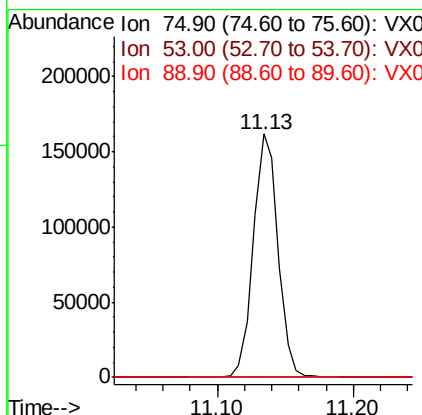
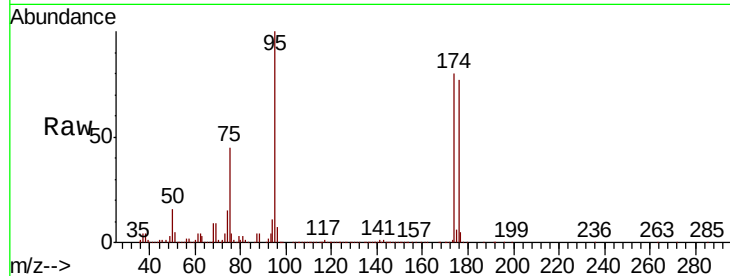




#81
trans-1,4-Dichloro-2-butene
Concen: 54.826 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX006474.D
Acq: 13 Dec 2018 05:06

Instrument :
MSVOA_X
ClientSampleId :
RBR-200027

Tot Ion: 75 Resp: 206272
Ion Ratio Lower Upper
75 100
53 0.1 64.4 96.6#
89 0.0 44.2 66.4#



#95
Naphthalene
Concen: 0.278 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006474.D
Acq: 13 Dec 2018 05:06

Tgt Ion: 128 Resp: 9777
Ion Ratio Lower Upper
128 100
127 16.3 10.2 15.4#
129 13.2 8.9 13.3

