

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011020\
 Data File : VX014560.D
 Acq On : 11 Jan 2020 01:16
 Operator : JC/SP
 Sample : L1070-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RBR-200059

Quant Time: Jan 11 05:19:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	477497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	743623	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	681375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	314640	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	270281	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
35) Dibromofluoromethane	5.49	113	217640	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
50) Toluene-d8	8.71	98	887167	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
62) 4-Bromofluorobenzene	11.13	95	309860	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	

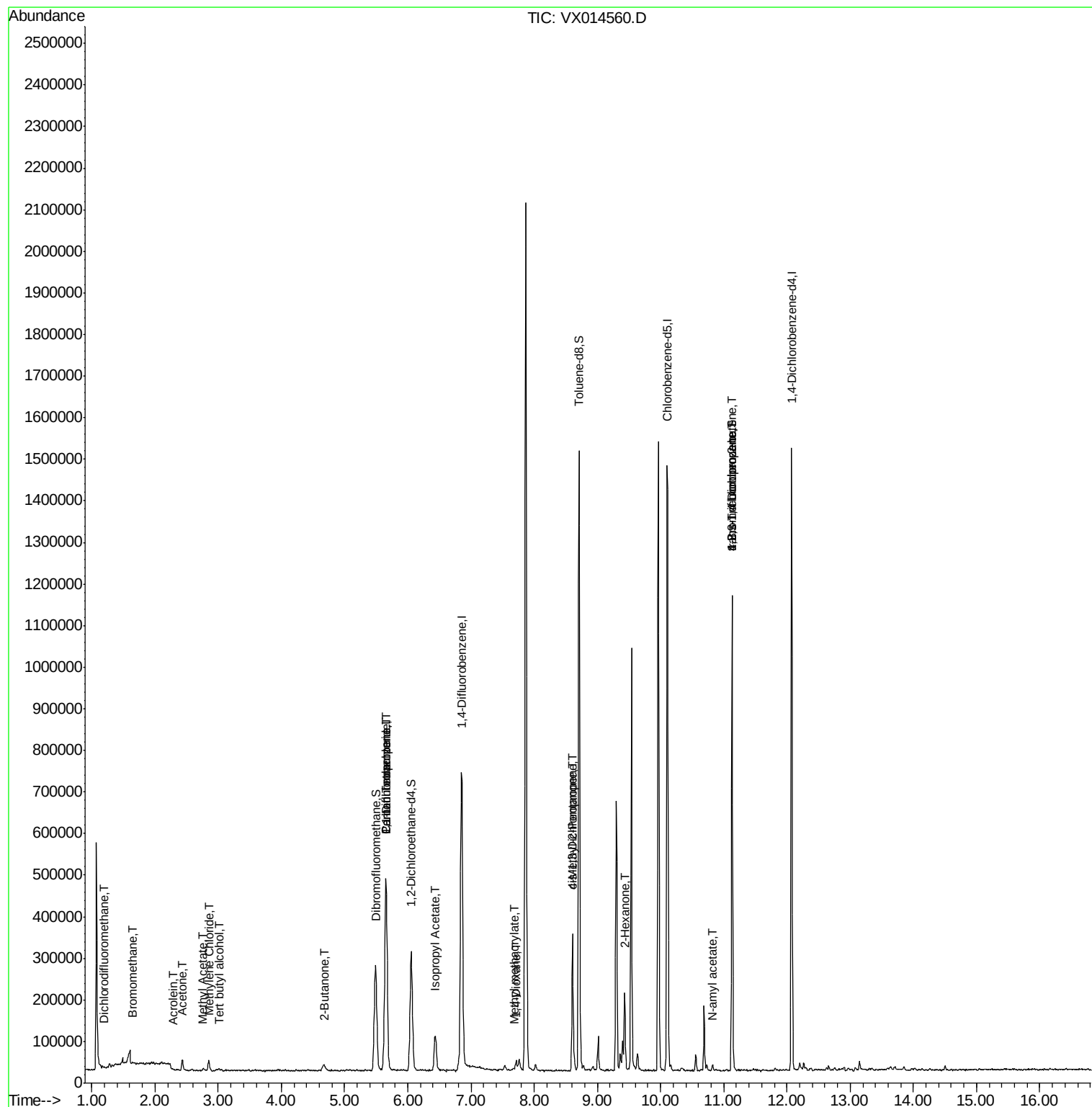
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	390	0.318	ug/l #	42
5) Bromomethane	1.65	94	1084	0.241	ug/l #	49
6) Chloroethane	1.73	64	1966	Below Cal	#	43
11) Tert butyl alcohol	3.02	59	4904	4.406	ug/l	97
13) Acrolein	2.30	56	534	0.599	ug/l #	63
16) Acetone	2.43	43	28989	6.781	ug/l	99
18) Methyl Acetate	2.76	43	6352	0.829	ug/l	94
20) Methylene Chloride	2.85	84	11792	2.199	ug/l #	89
25) 2-Butanone	4.67	43	11892	2.987	ug/l	93
36) 1,1-Dichloropropene	5.65	75	31614	4.521	ug/l #	51
38) Carbon Tetrachloride	5.65	117	41408	6.435	ug/l #	18
43) Isopropyl Acetate	6.43	43	120875	9.851	ug/l	98
48) Methyl methacrylate	7.67	41	7814	1.330	ug/l #	17
49) 1,4-Dioxane	7.73	88	707	5.677	ug/l #	11
51) 4-Methyl-2-Pentanone	8.61	43	117741	15.746	ug/l #	50
54) cis-1,3-Dichloropropene	8.61	75	53971	6.386	ug/l #	58
59) 2-Hexanone	9.43	43	142301	24.052	ug/l #	23
74) N-amyl acetate	10.82	43	7013	0.719	ug/l #	52
76) 1,2,3-Trichloropropane	11.13	75	148712	22.844	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	148712	60.395	ug/l #	12
88) 1,4-Dichlorobenzene	12.07	146	516	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	13.63	180	686	Below Cal	#	74
96) 1,2,3-Trichlorobenzene	14.01	180	212	Below Cal	#	56

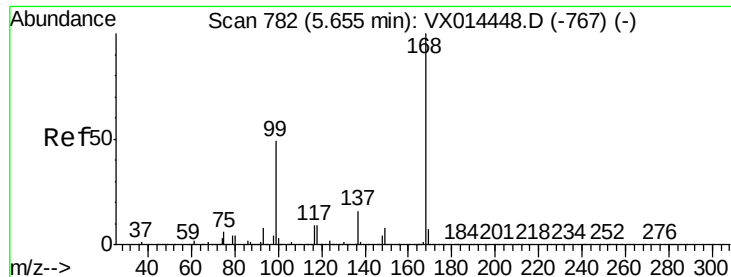
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011020\
Data File : VX014560.D
Acq On : 11 Jan 2020 01:16
Operator : JC/SP
Sample : L1070-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RBR-200059

Quant Time: Jan 11 05:19:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014560.D

Acq: 11 Jan 2020 01:16

Instrument :

MSVOA_X

ClientSampleId :

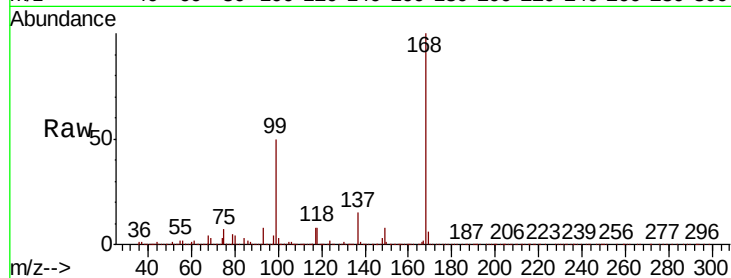
RBR-200059

Tot Ion:168 Resp: 477497

Ion Ratio Lower Upper

168 100

99 50.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

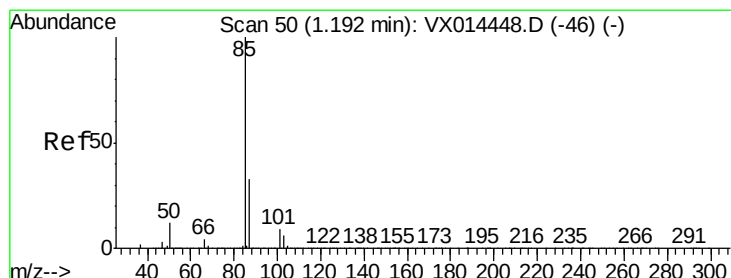
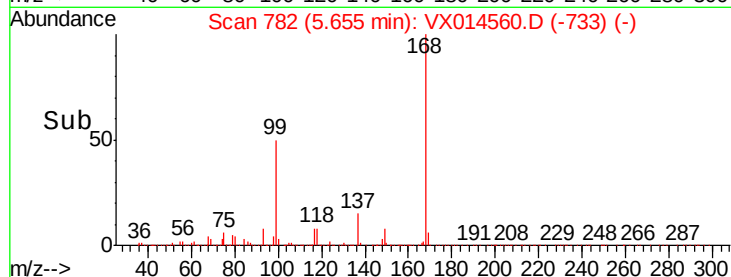
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.318 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX014560.D

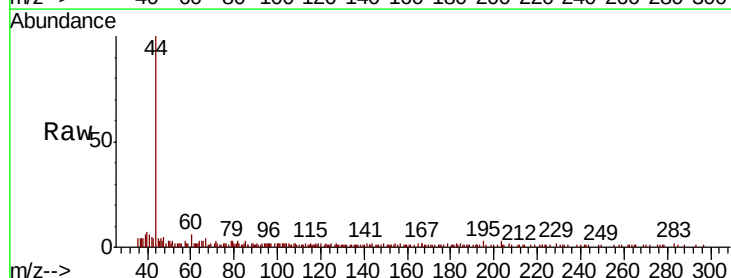
Acq: 11 Jan 2020 01:16

Tgt Ion: 85 Resp: 390

Ion Ratio Lower Upper

85 100

87 0.0 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

400

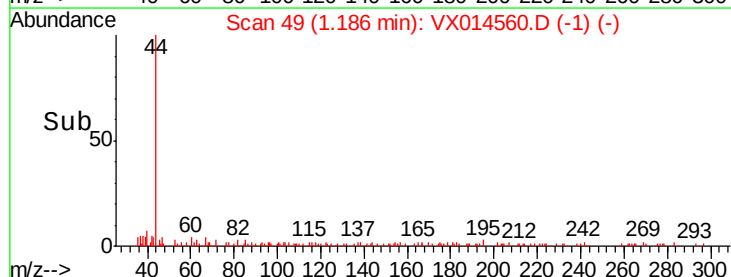
300

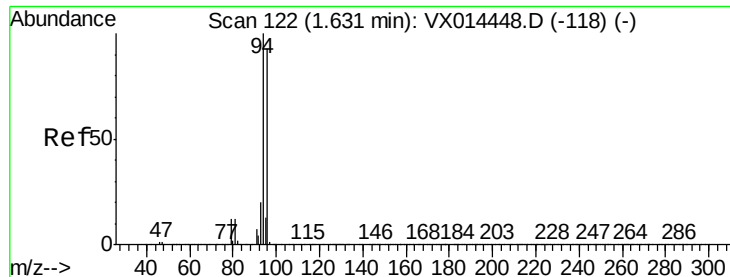
200

100

0

Time-->





#5

Bromomethane

Concen: 0.241 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014560.D

Acq: 11 Jan 2020 01:16

Instrument :

MSVOA_X

ClientSampled :

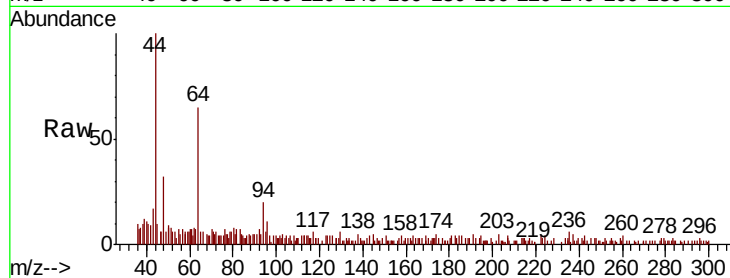
RBR-200059

Tot Ion: 94 Resp: 1084

Ion Ratio Lower Upper

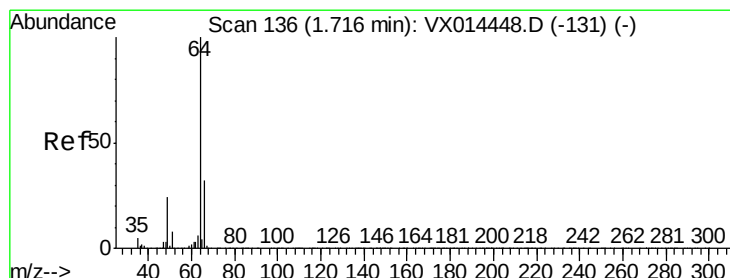
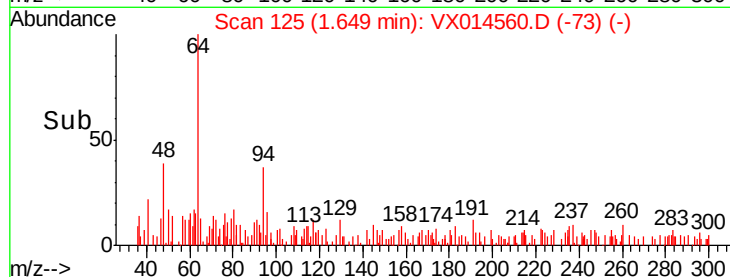
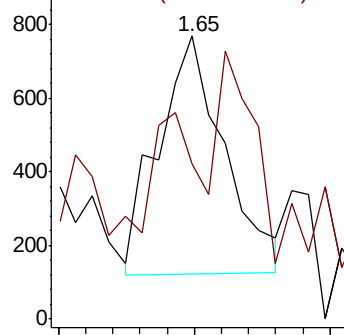
94 100

96 43.9 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 139

Delta R.T. 0.02 min

Lab File: VX014560.D

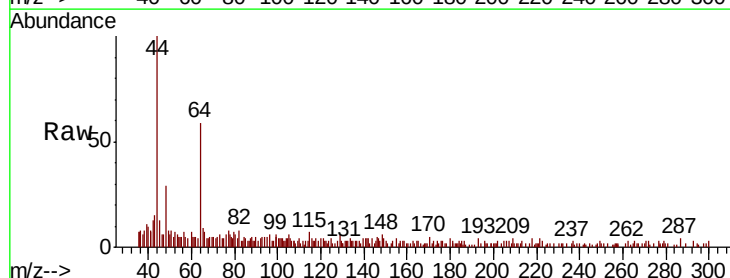
Acq: 11 Jan 2020 01:16

Tgt Ion: 64 Resp: 1966

Ion Ratio Lower Upper

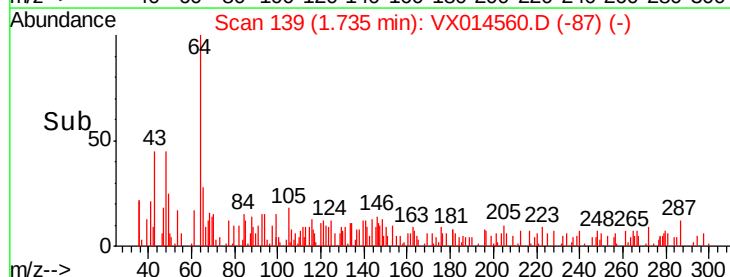
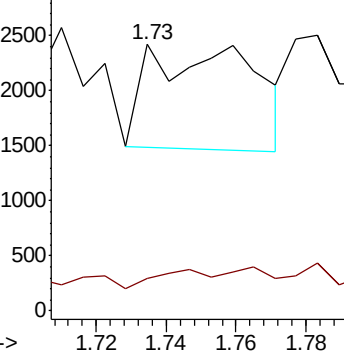
64 100

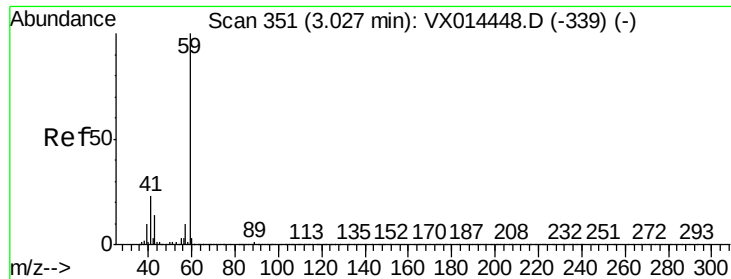
66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

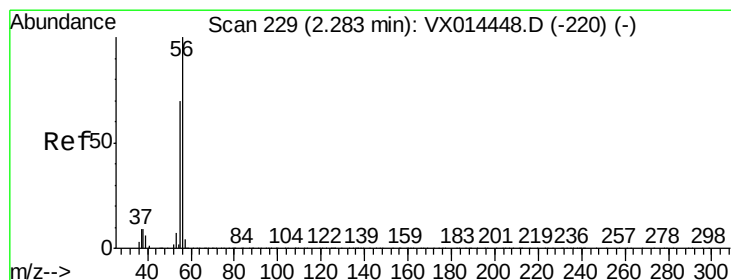
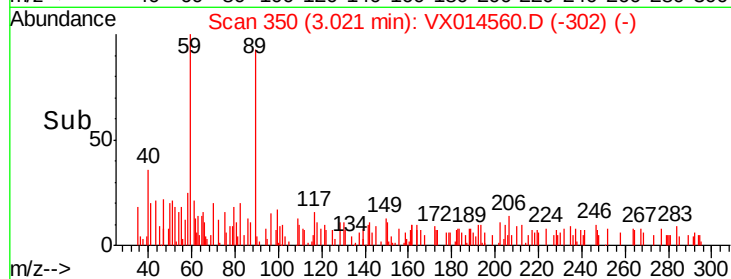
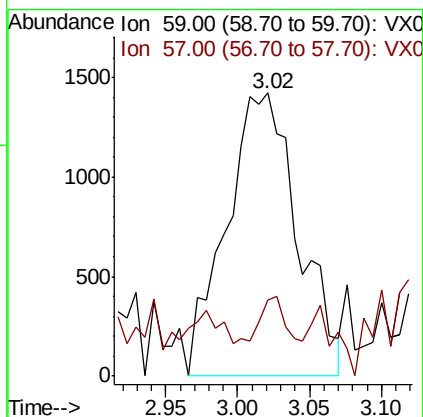
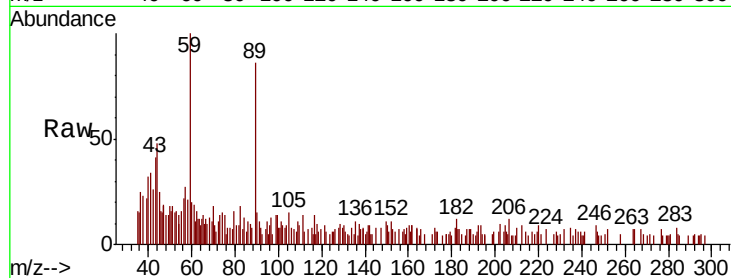




#11
Tert butyl alcohol
Concen: 4.406 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX014560.D
Acq: 11 Jan 2020 01:16

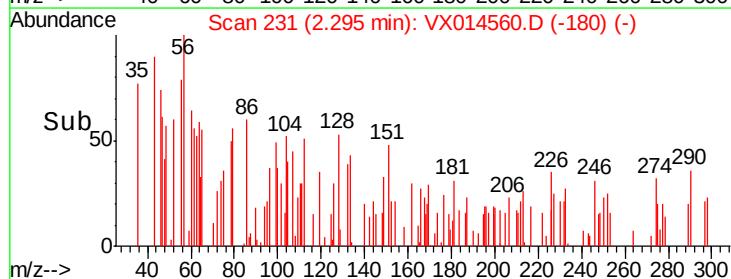
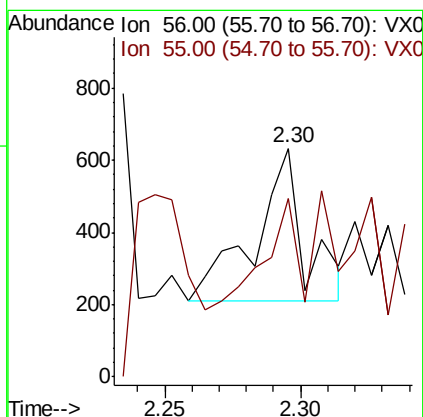
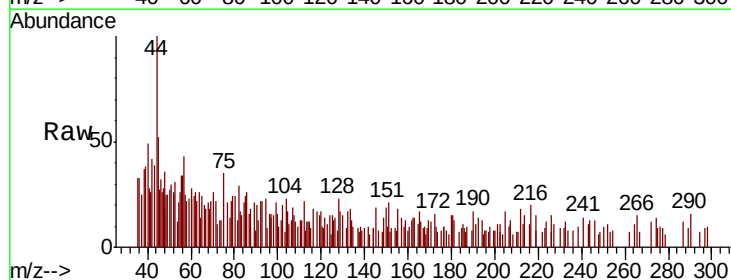
Instrument :
MSVOA_X
ClientSampled :
RBR-200059

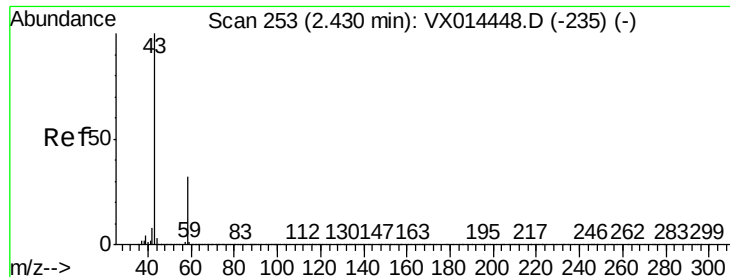
Tot Ion: 59 Resp: 4904
Ion Ratio Lower Upper
59 100
57 9.4 8.5 12.7



#13
Acrolein
Concen: 0.599 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX014560.D
Acq: 11 Jan 2020 01:16

Tgt Ion: 56 Resp: 534
Ion Ratio Lower Upper
56 100
55 38.6 55.0 82.6#





#16

Acetone

Concen: 6.781 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014560.D

Acq: 11 Jan 2020 01:16

Instrument :

MSVOA_X

ClientSampleId :

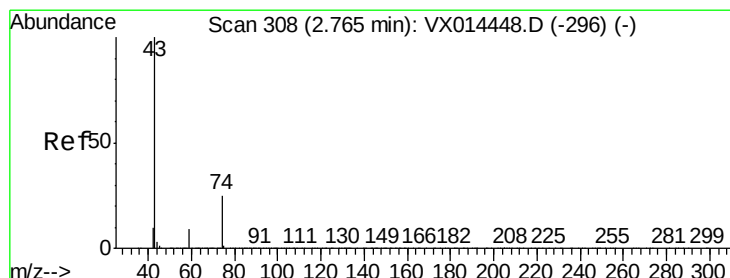
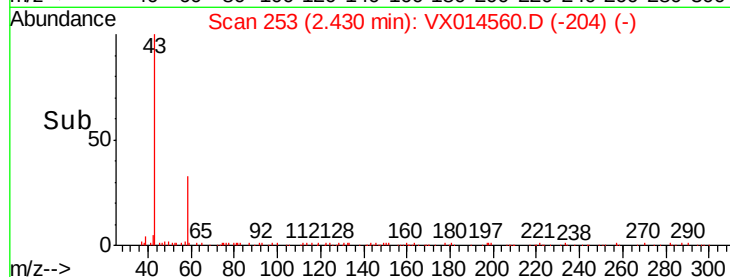
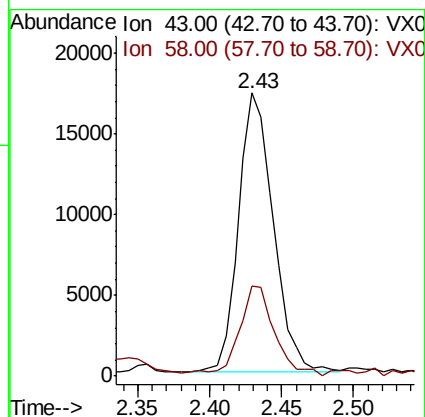
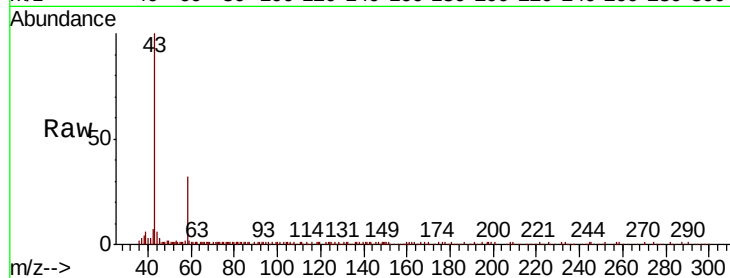
RBR-200059

Tot Ion: 43 Resp: 28989

Ion Ratio Lower Upper

43 100

58 31.0 25.4 38.0



#18

Methyl Acetate

Concen: 0.829 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX014560.D

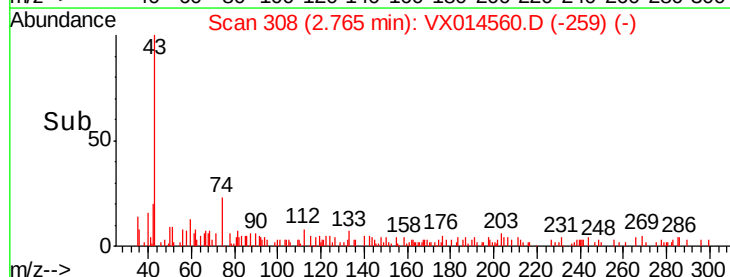
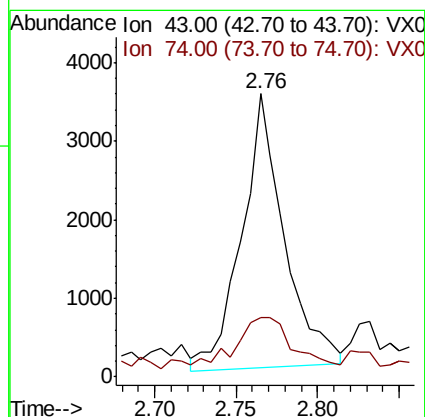
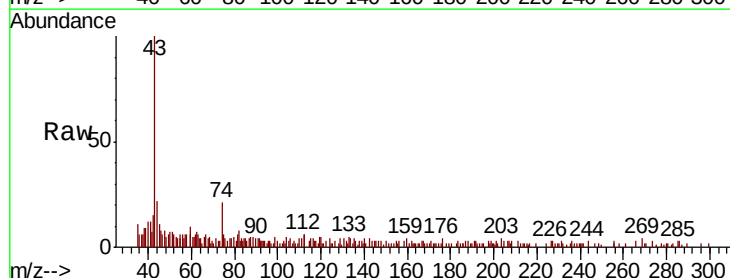
Acq: 11 Jan 2020 01:16

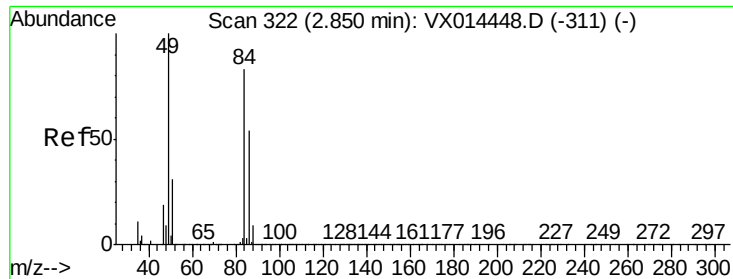
Tgt Ion: 43 Resp: 6352

Ion Ratio Lower Upper

43 100

74 27.3 19.4 29.2

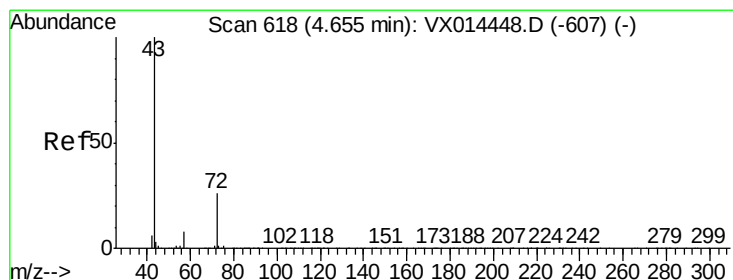
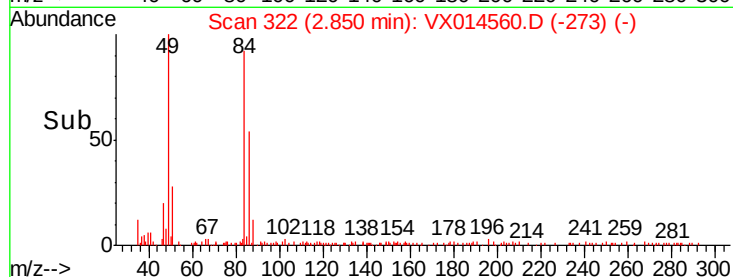
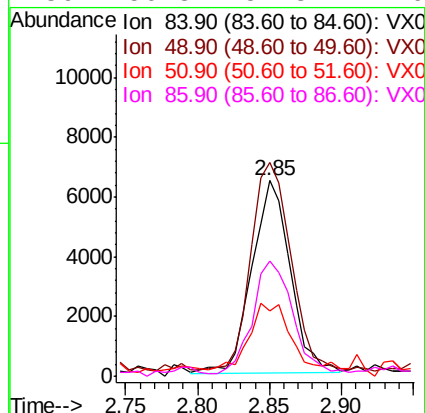
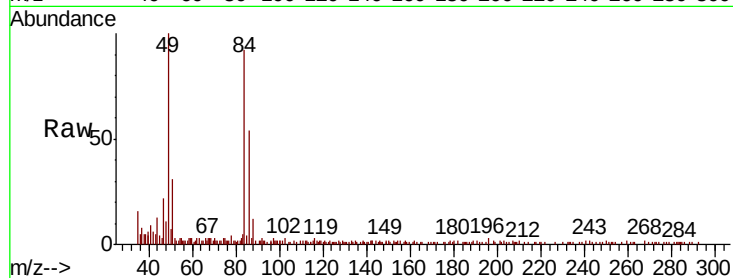




#20
Methvlene Chloride
Concen: 2.199 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014560.D
Acq: 11 Jan 2020 01:16

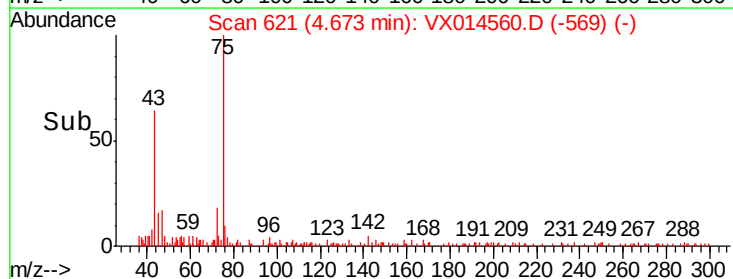
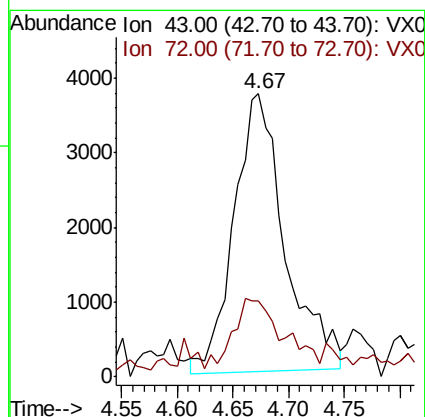
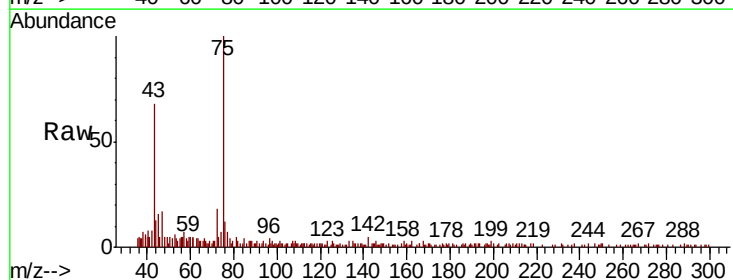
Instrument :
MSVOA_X
ClientSampleId :
RBR-200059

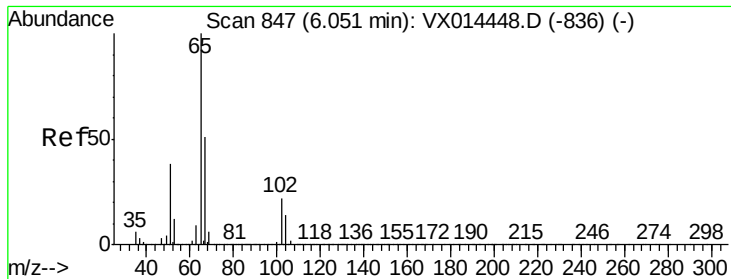
Tot Ion:	84	Resp:	11792
Ion	Ratio	Lower	Upper
84	100		
49	108.5	95.8	143.8
51	30.0	30.2	45.4#
86	56.8	51.8	77.6



#25
2-Butanone
Concen: 2.987 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.02 min
Lab File: VX014560.D
Acq: 11 Jan 2020 01:16

Tgt Ion:	43	Resp:	11892
Ion	Ratio	Lower	Upper
43	100		
72	22.1	20.6	31.0

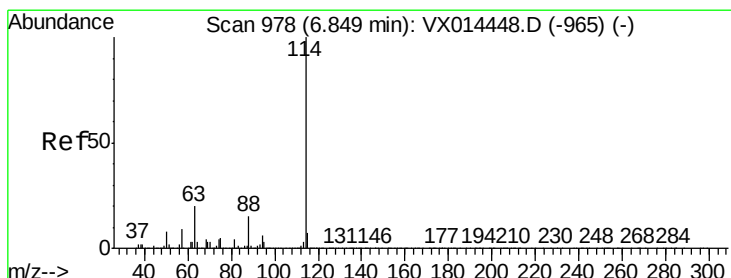
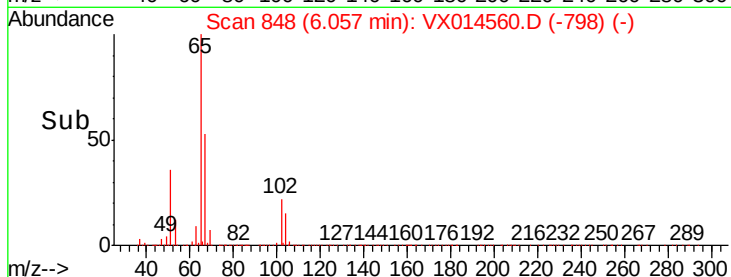
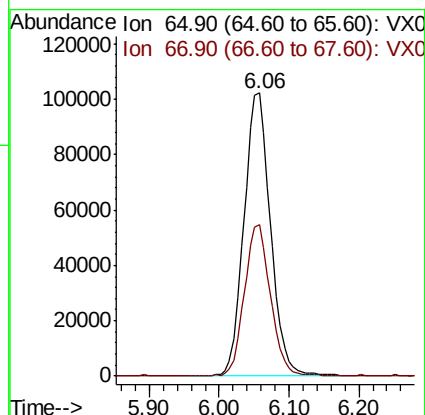
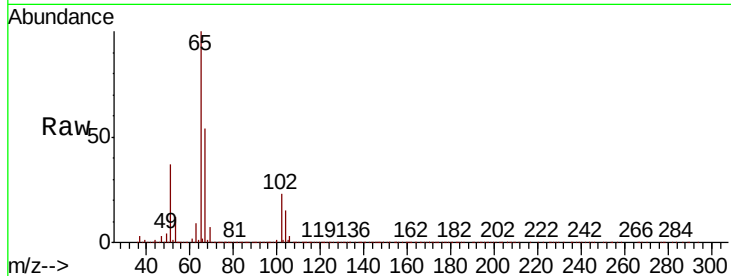




#33
 1,2-Dichloroethane-d4
 Concen: 50.705 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX014560.D
 Acq: 11 Jan 2020 01:16

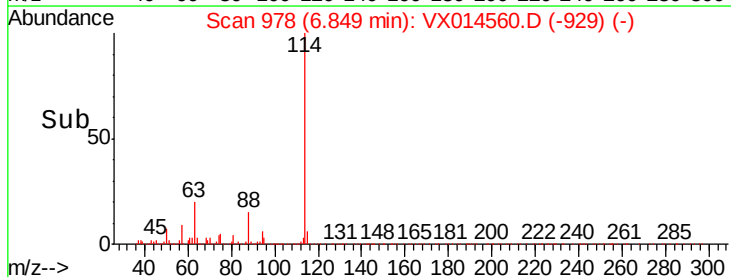
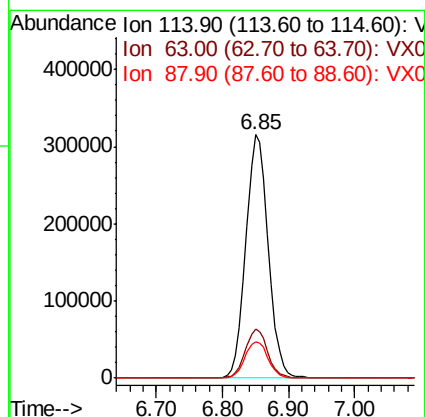
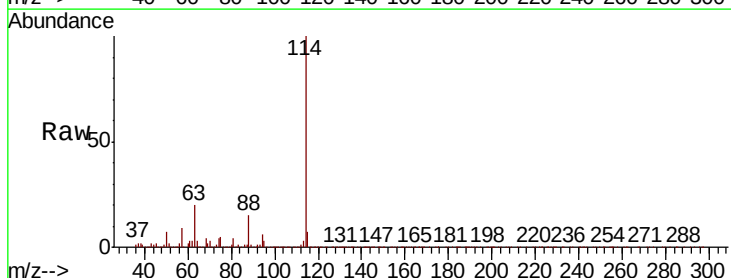
Instrument :
 MSVOA_X
 ClientSampleId :
 RBR-200059

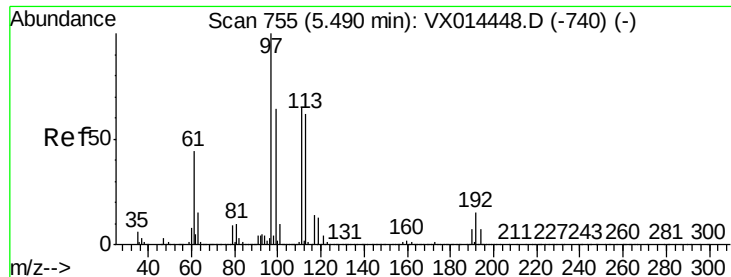
Tot Ion: 65 Resp: 270281
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014560.D
 Acq: 11 Jan 2020 01:16

Tgt Ion: 114 Resp: 743623
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.6
 88 15.0 0.0 30.8





#35

Dibromofluoromethane

Concen: 48.349 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014560.D

Acq: 11 Jan 2020 01:16

Instrument :

MSVOA_X

ClientSampled :

RBR-200059

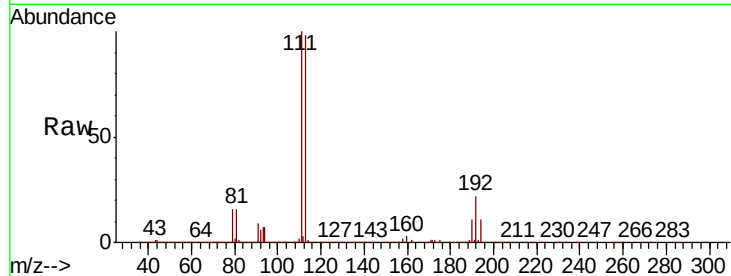
Tot Ion:113 Resp: 217640

Ion Ratio Lower Upper

113 100

111 103.9 81.5 122.3

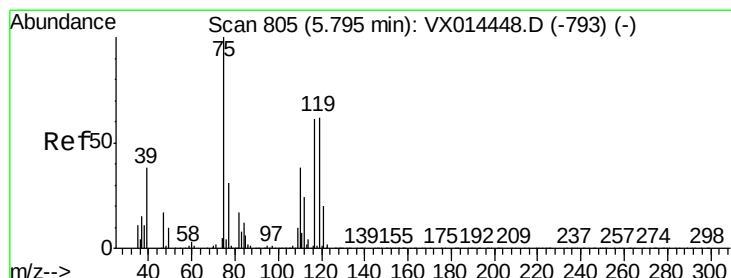
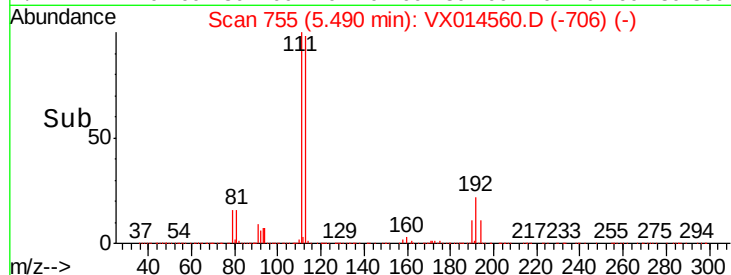
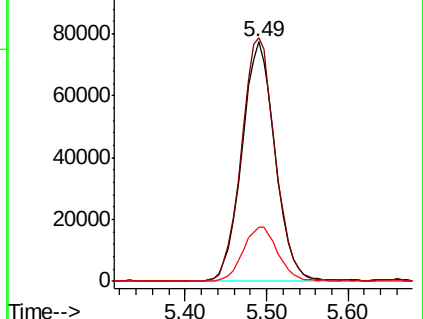
192 23.6 19.2 28.8



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: 4.521 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX014560.D

Acq: 11 Jan 2020 01:16

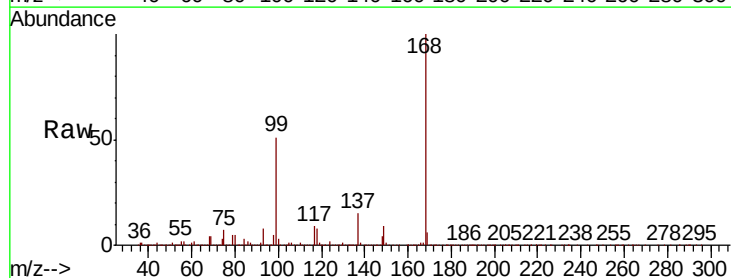
Tgt Ion: 75 Resp: 31614

Ion Ratio Lower Upper

75 100

110 11.0 18.6 55.8#

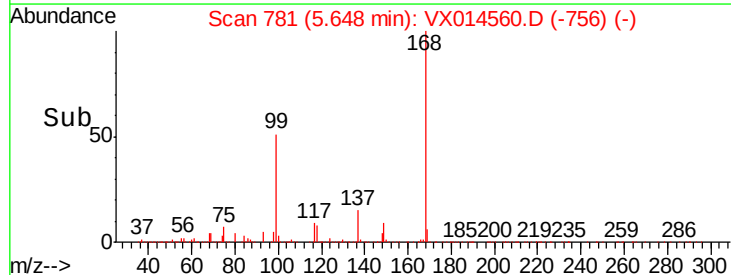
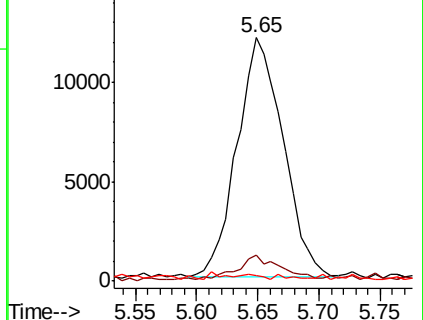
77 0.6 24.5 36.7#

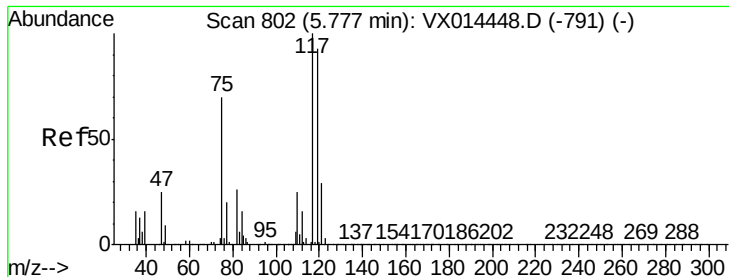


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.435 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014560.D

Acq: 11 Jan 2020 01:16

Instrument :

MSVOA_X

ClientSampleId :

RBR-200059

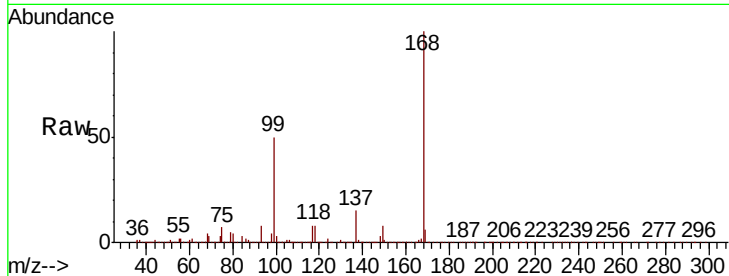
Tot Ion:117 Resp: 41408

Ion Ratio Lower Upper

117 100

119 5.4 73.8 110.8#

121 0.7 23.4 35.0#

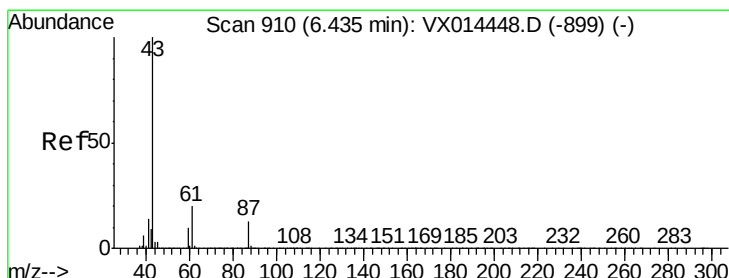
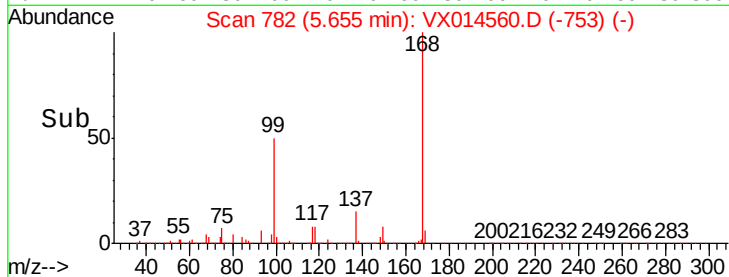
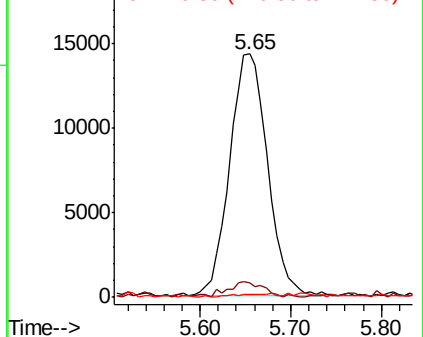


Abundance

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: 9.851 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX014560.D

Acq: 11 Jan 2020 01:16

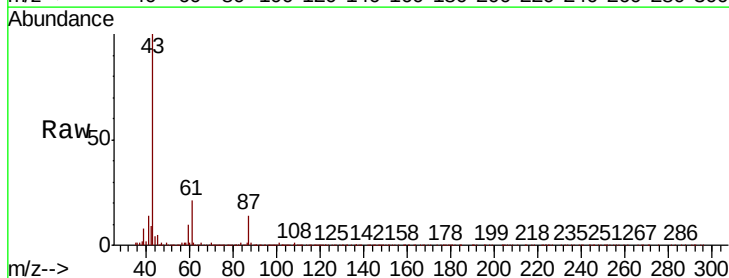
Tgt Ion: 43 Resp: 120875

Ion Ratio Lower Upper

43 100

61 20.1 16.6 24.8

87 14.4 10.8 16.2

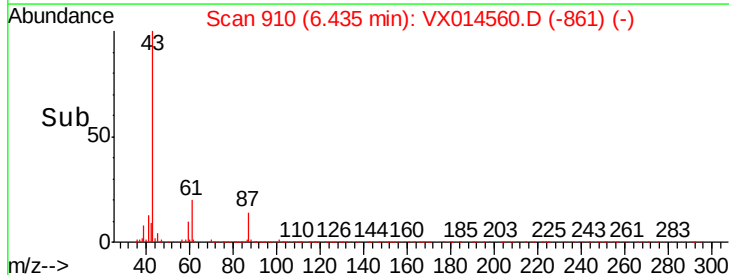
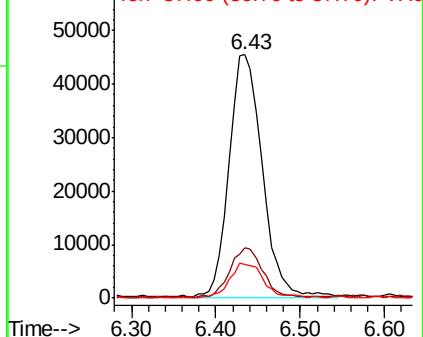


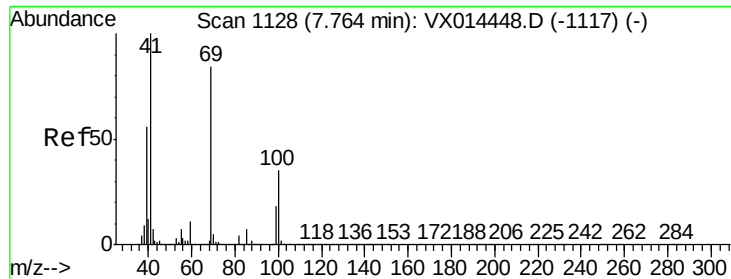
Abundance

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

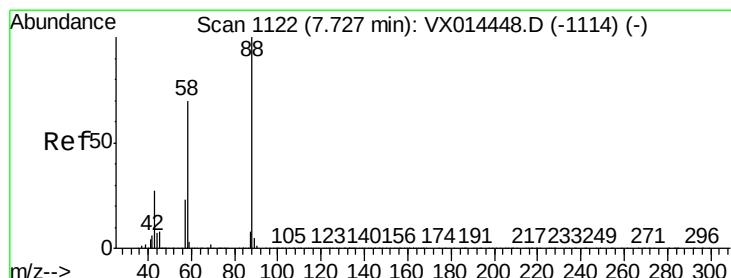
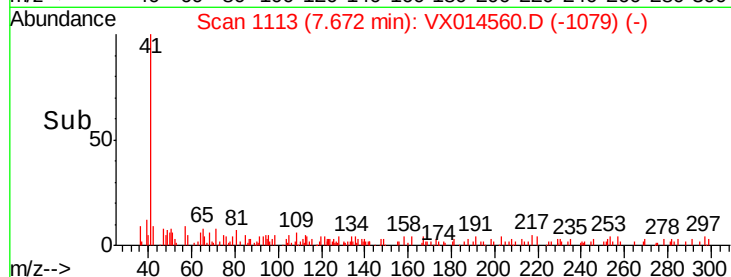
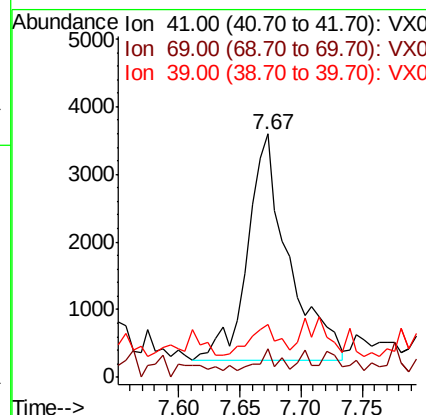
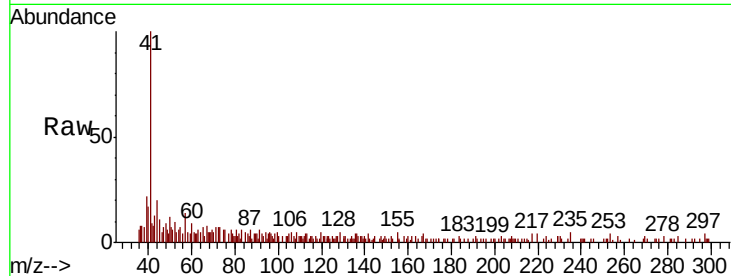




#48
Methvl methacrylate
Concen: 1.330 ug/l
RT: 7.67 min Scan# 1113
Delta R.T. -0.09 min
Lab File: VX014560.D
Acq: 11 Jan 2020 01:16

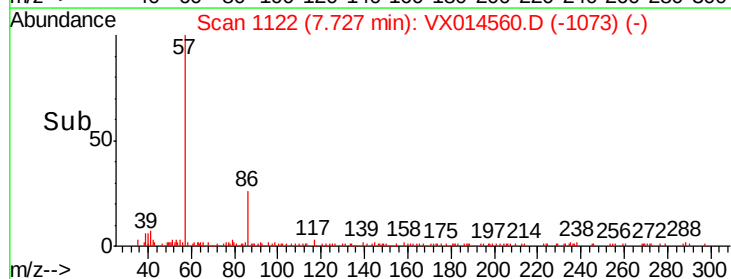
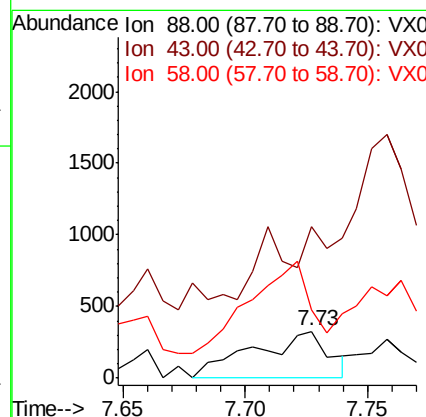
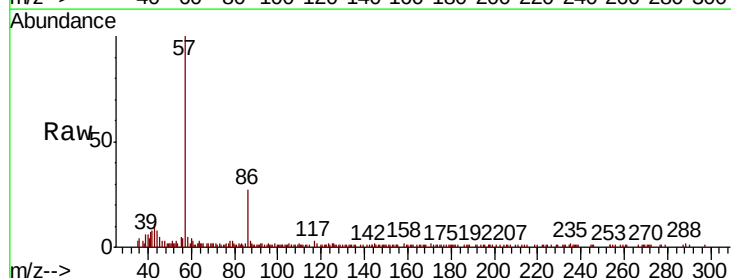
Instrument :
MSVOA_X
ClientSampleId :
RBR-200059

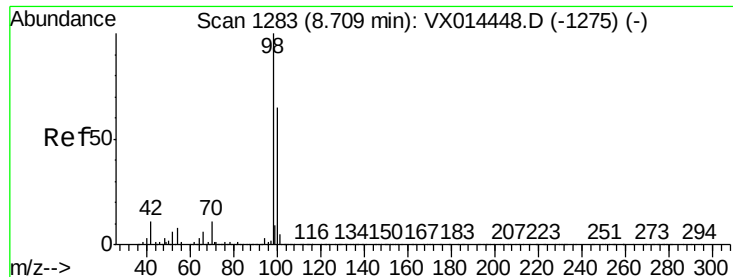
Tot Ion: 41 Resp: 7814
Ion Ratio Lower Upper
41 100
69 3.7 65.5 98.3#
39 0.0 43.9 65.9#



#49
1,4-Dioxane
Concen: 5.677 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.00 min
Lab File: VX014560.D
Acq: 11 Jan 2020 01:16

Tgt Ion: 88 Resp: 707
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 156.4 57.1 85.7#

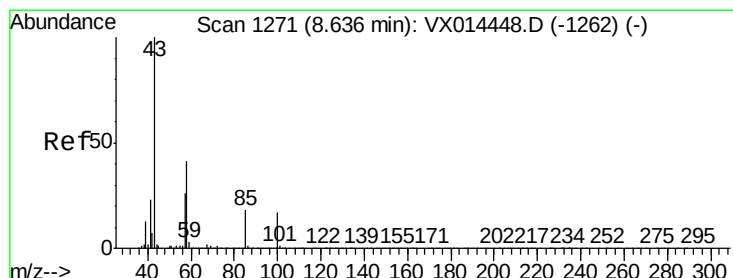
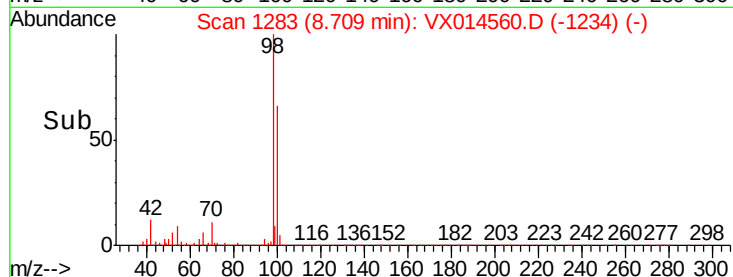
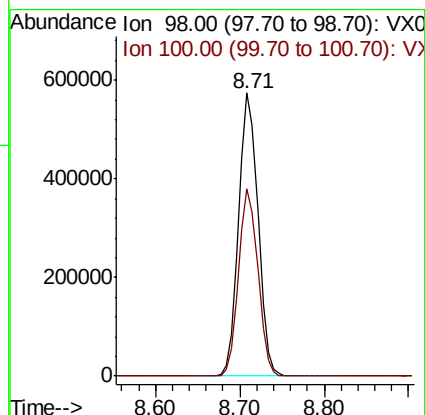
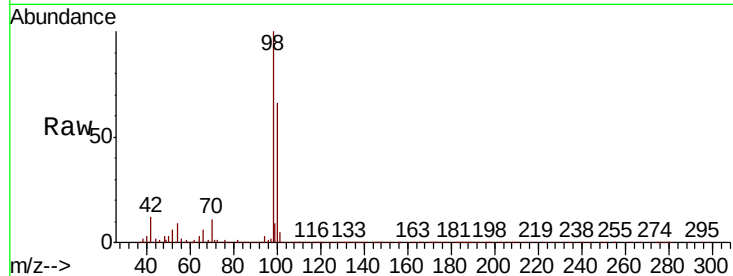




#50
Toluene-d8
Concen: 50.786 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014560.D
Acq: 11 Jan 2020 01:16

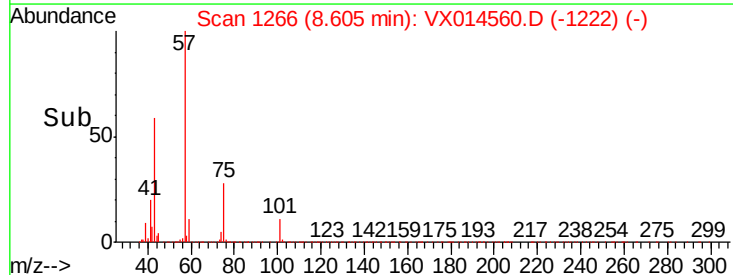
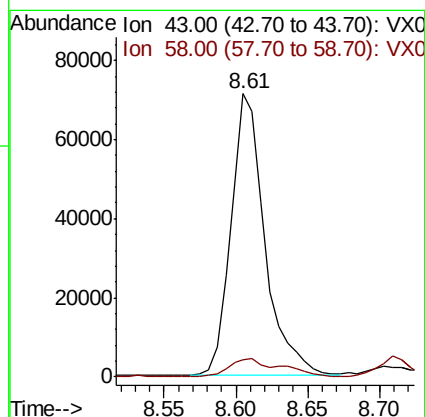
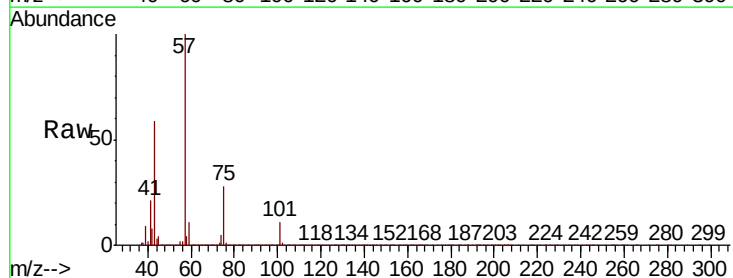
Instrument :
MSVOA_X
ClientSampleId :
RBR-200059

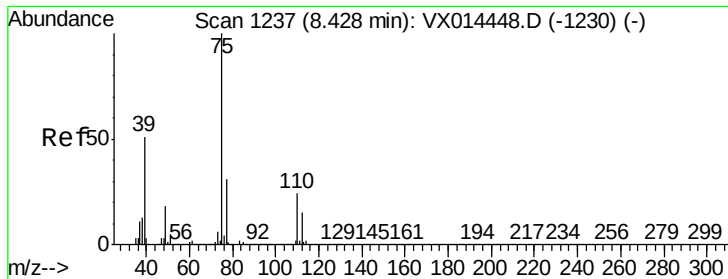
Tot Ion: 98 Resp: 887167
Ion Ratio Lower Upper
98 100
100 65.8 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 15.746 ug/l
RT: 8.61 min Scan# 1266
Delta R.T. -0.03 min
Lab File: VX014560.D
Acq: 11 Jan 2020 01:16

Tgt Ion: 43 Resp: 117741
Ion Ratio Lower Upper
43 100
58 9.2 32.4 48.6#



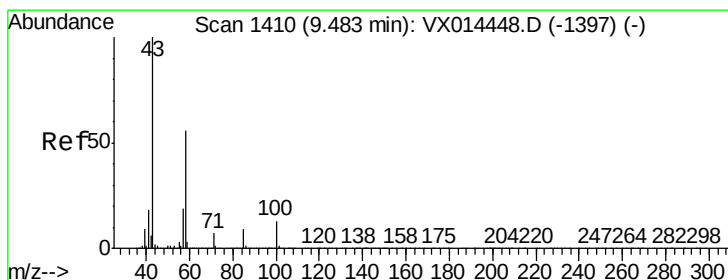
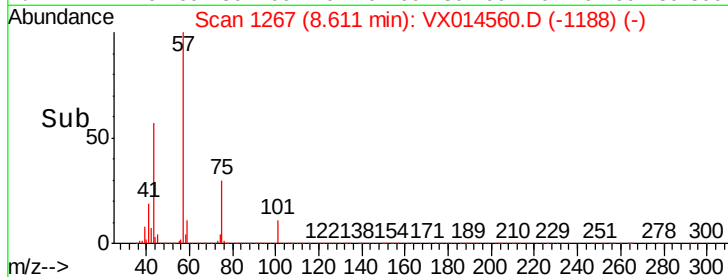
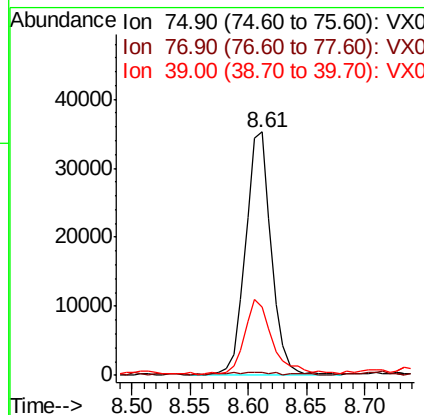
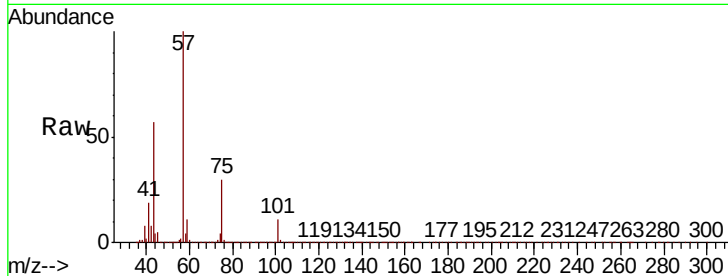


#54

cis-1,3-Dichloropropene
 Concen: 6.386 ug/l
 RT: 8.61 min Scan# 1267
 Delta R.T. 0.18 min
 Lab File: VX014560.D
 Acq: 11 Jan 2020 01:16

Instrument :
 MSVOA_X
 ClientSampleId :
 RBR-200059

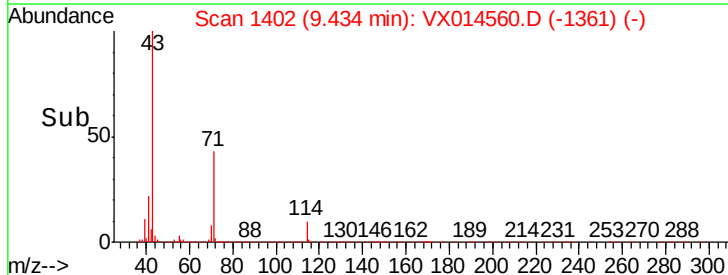
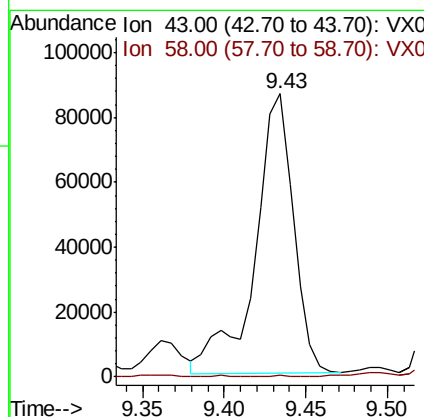
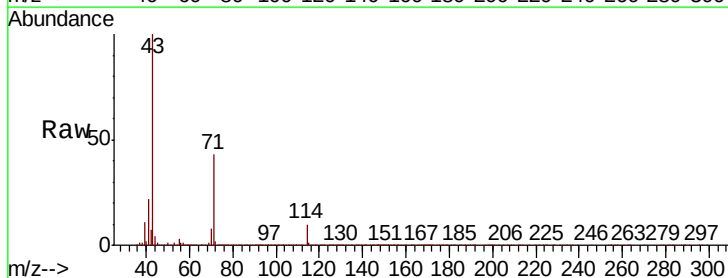
Tot Ion	Ratio	Lower	Upper
75	100		
77	1.3	25.0	37.4#
39	27.1	40.7	61.1#

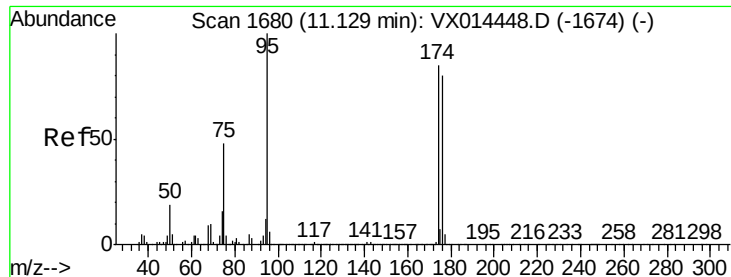


#59

2-Hexanone
 Concen: 24.052 ug/l
 RT: 9.43 min Scan# 1402
 Delta R.T. -0.05 min
 Lab File: VX014560.D
 Acq: 11 Jan 2020 01:16

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.9	83.7#





#62

4-Bromofluorobenzene

Concen: 48.318 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX014560.D

Acq: 11 Jan 2020 01:16

Instrument :

MSVOA_X

ClientSampleId :

RBR-200059

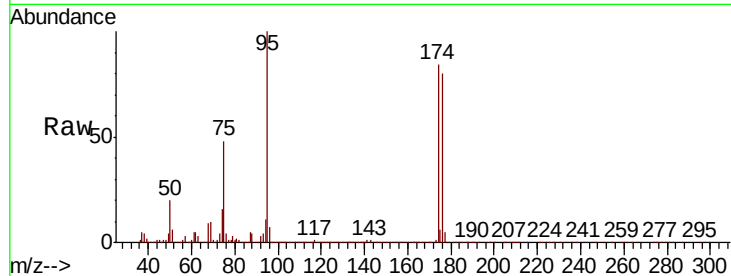
Tot Ion: 95 Resp: 309860

Ion Ratio Lower Upper

95 100

174 88.0 0.0 180.8

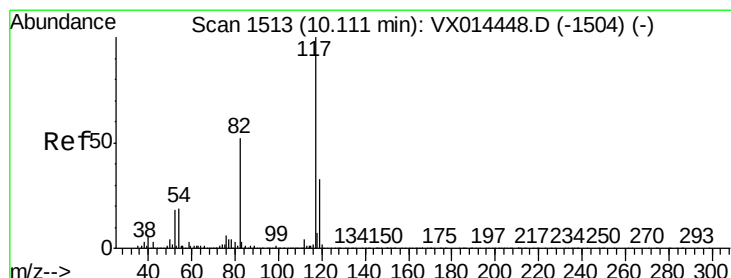
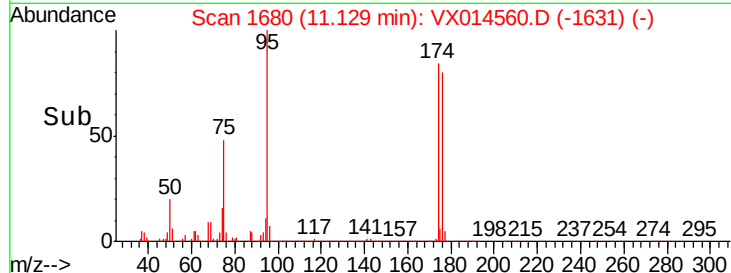
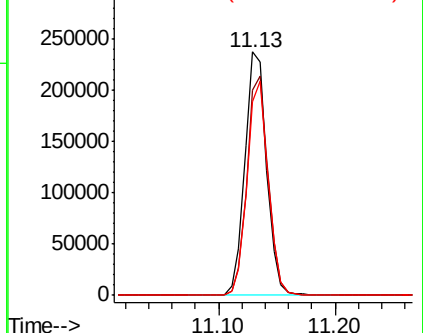
176 85.8 0.0 172.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX014560.D

Acq: 11 Jan 2020 01:16

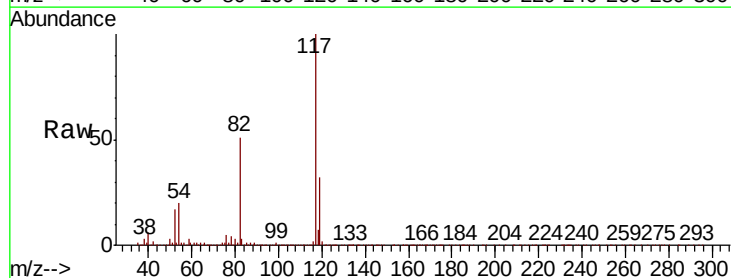
Tgt Ion: 117 Resp: 681375

Ion Ratio Lower Upper

117 100

82 51.0 41.8 62.6

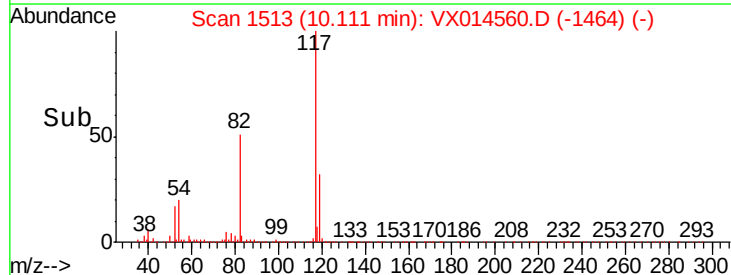
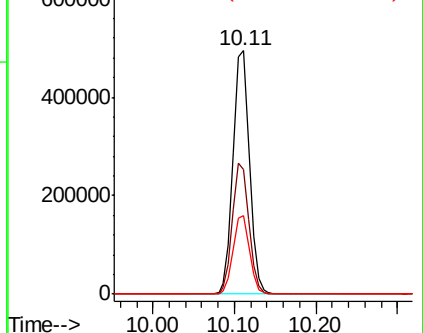
119 32.3 26.2 39.4

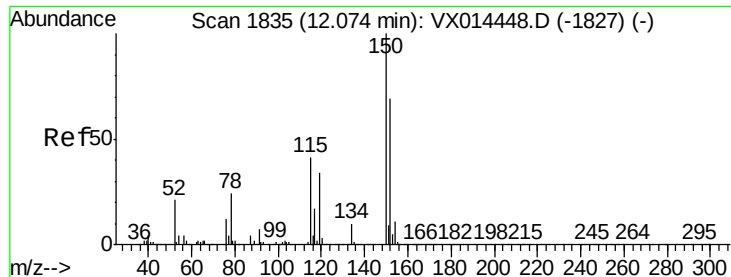


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX014560.D

Acq: 11 Jan 2020 01:16

Instrument :

MSVOA_X

ClientSampled :

RBR-200059

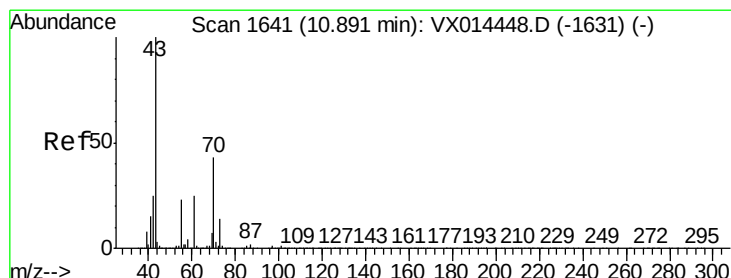
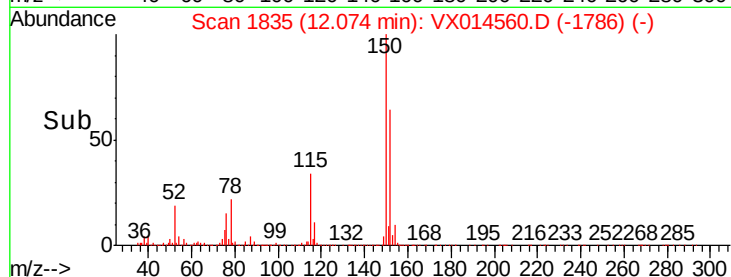
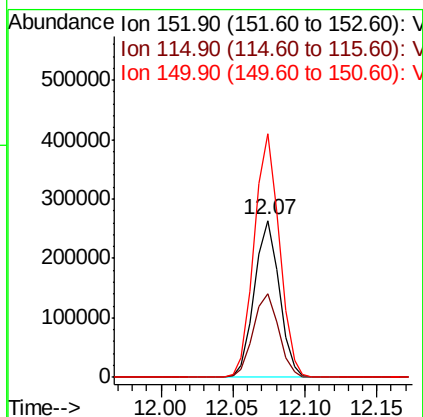
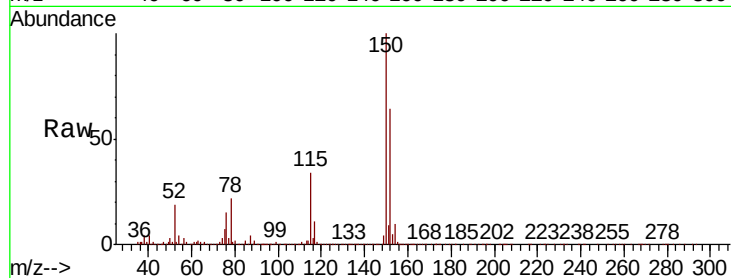
Tot Ion:152 Resp: 314640

Ion Ratio Lower Upper

152 100

115 54.8 39.5 118.3

150 156.9 0.0 350.2



#74

N-ethyl acetate

Concen: 0.719 ug/l

RT: 10.82 min Scan# 1630

Delta R.T. -0.07 min

Lab File: VX014560.D

Acq: 11 Jan 2020 01:16

Tgt Ion: 43 Resp: 7013

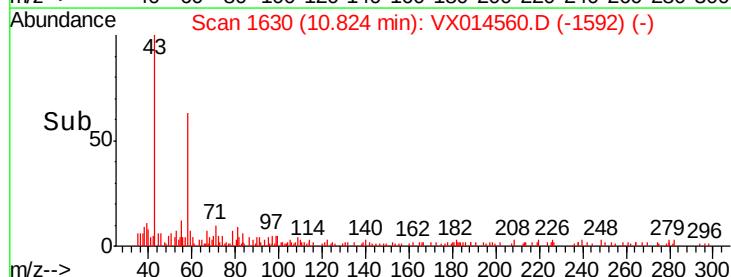
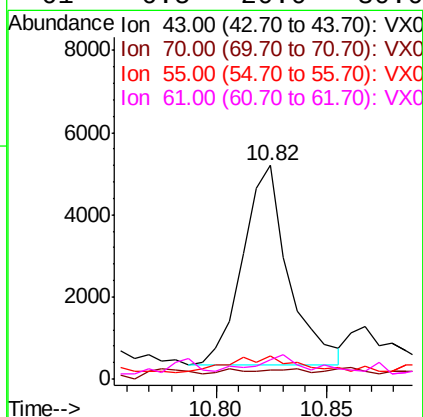
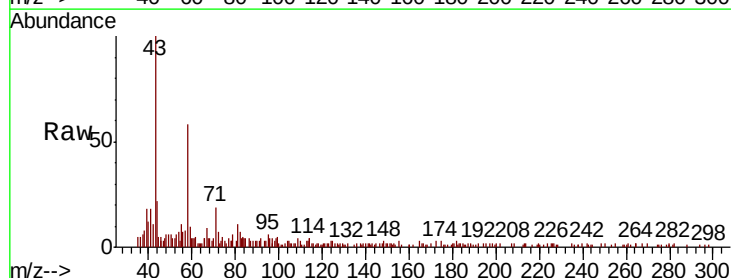
Ion Ratio Lower Upper

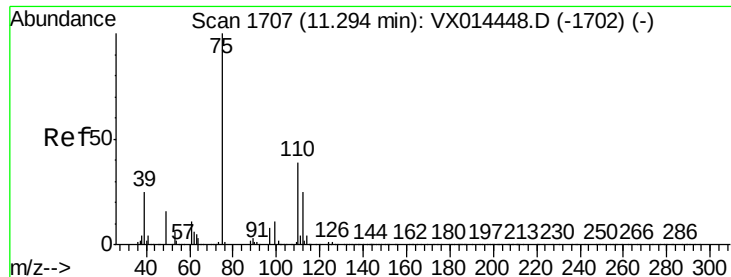
43 100

70 0.0 35.1 52.7#

55 11.8 19.3 28.9#

61 6.5 20.0 30.0#





#76

1,2,3-Trichloropropane

Concen: 22.844 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014560.D

Acq: 11 Jan 2020 01:16

Instrument :

MSVOA_X

ClientSampleId :

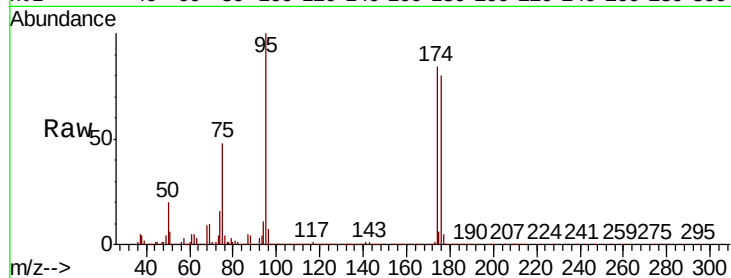
RBR-200059

Tot Ion: 75 Resp: 148712

Ion Ratio Lower Upper

75 100

77 1.7 21.9 65.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

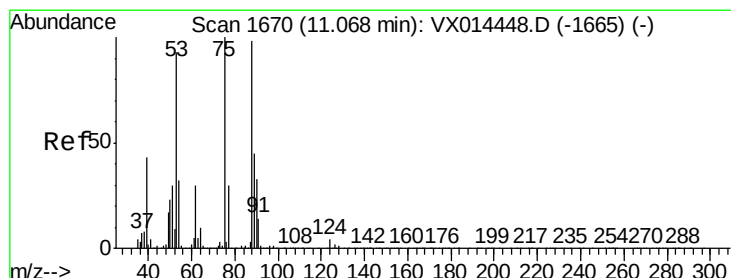
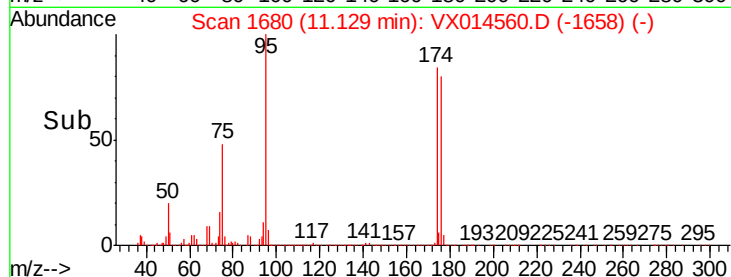
100000

50000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 60.395 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014560.D

Acq: 11 Jan 2020 01:16

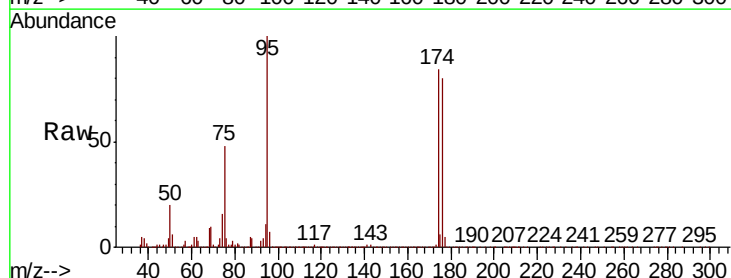
Tgt Ion: 75 Resp: 148712

Ion Ratio Lower Upper

75 100

53 0.0 74.8 112.2#

89 0.0 36.3 54.5#



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

150000

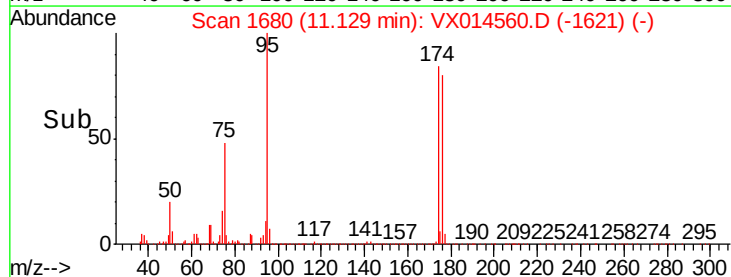
100000

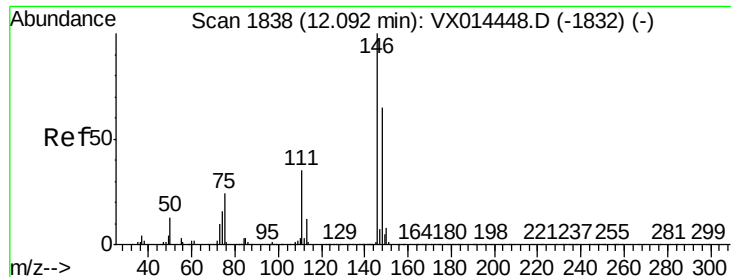
50000

0

Time-->

11.10 11.20





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.07 min Scan# 1835

Delta R.T. -0.02 min

Lab File: VX014560.D

Acq: 11 Jan 2020 01:16

Instrument :

MSVOA_X

ClientSampleId :

RBR-200059

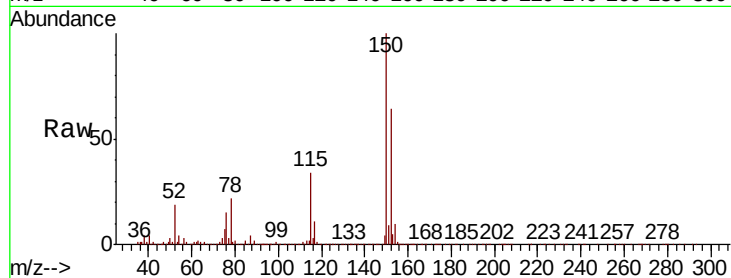
Tot Ion:146 Resp: 516

Ion Ratio Lower Upper

146 100

111 791.3 18.1 54.1#

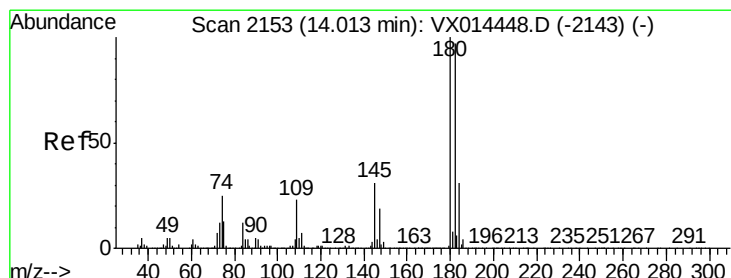
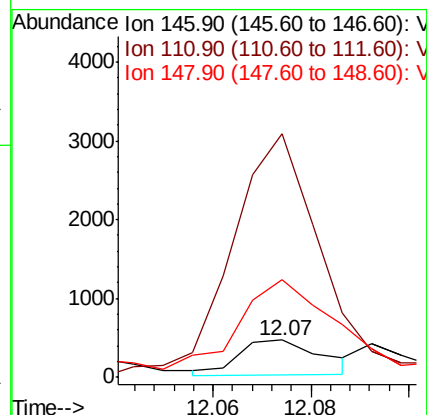
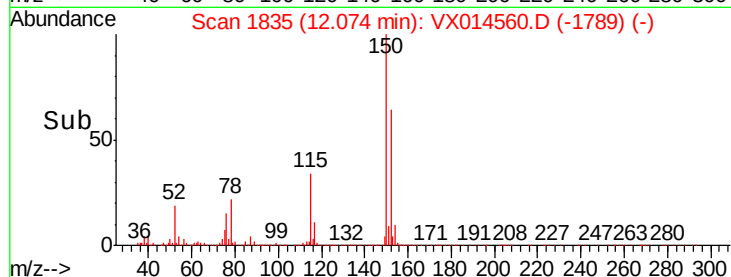
148 361.4 32.1 96.3#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#96

1,2,3-Trichlorobenzene

Concen: Below Cal

RT: 14.01 min Scan# 2152

Delta R.T. -0.01 min

Lab File: VX014560.D

Acq: 11 Jan 2020 01:16

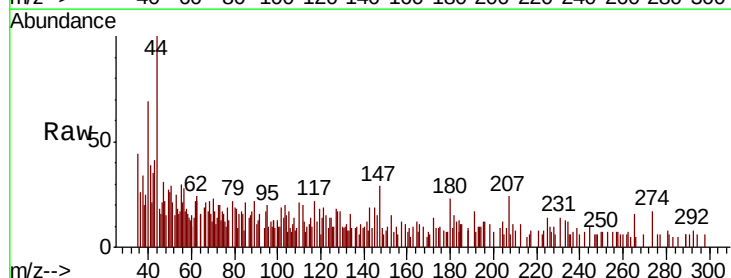
Tgt Ion:180 Resp: 212

Ion Ratio Lower Upper

180 100

182 55.7 47.9 143.6

145 0.0 14.8 44.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

