

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092220\
 Data File : VD066821.D
 Acq On : 22 Sep 2020 19:57
 Operator : VA/SY
 Sample : L4100-03
 Misc : 5.66G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-59

Quant Time: Sep 23 02:10:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	368065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	679011	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	693750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	306116	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	229763	63.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.56%	
35) Dibromofluoromethane	7.91	113	215941	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	10.34	98	860598	58.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.94%	
62) 4-Bromofluorobenzene	12.63	95	299353	59.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.82%	

Target Compounds

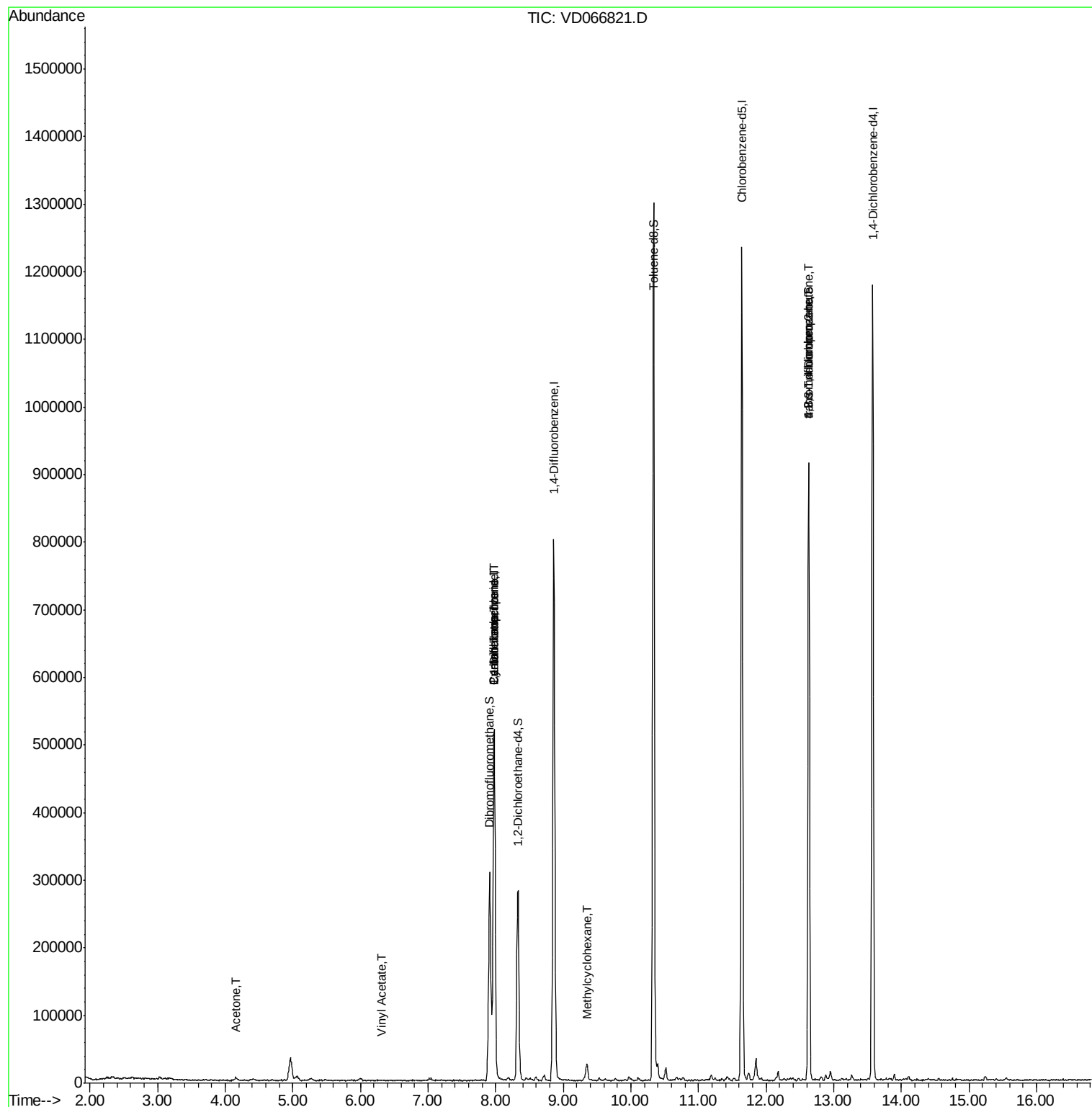
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	140	Below Cal	#	46
11) Tert butyl alcohol	5.23	59	71	Below Cal	#	72
16) Acetone	4.16	43	7617	9.967	ug/l	96
18) Methyl Acetate	4.76	43	132	Below Cal	#	50
23) Vinyl Acetate	6.31	43	77	2.685	ug/l #	71
31) Cyclohexane	7.97	56	12571	1.919	ug/l #	13
36) 1,1-Dichloropropene	7.98	75	31964	4.745	ug/l #	50
38) Carbon Tetrachloride	7.97	117	39999	5.431	ug/l #	16
39) Methylcyclohexane	9.35	83	9348	1.209	ug/l	87
49) 1,4-Dioxane	9.46	88	68	Below Cal	#	65
76) 1,2,3-Trichloropropane	12.63	75	159432	62.847	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	159432	157.236	ug/l #	10

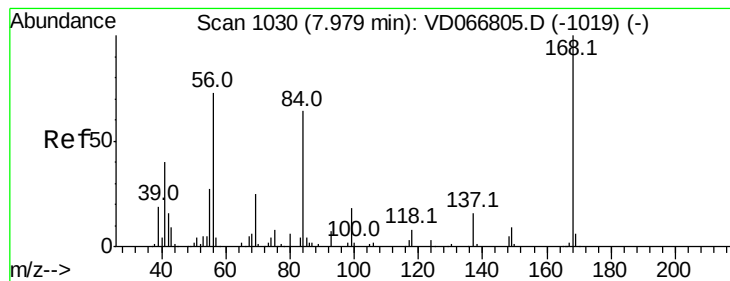
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092220\
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Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066821.D

Acq: 22 Sep 2020 19:57

Instrument :

MSVOA_D

ClientSampleId :

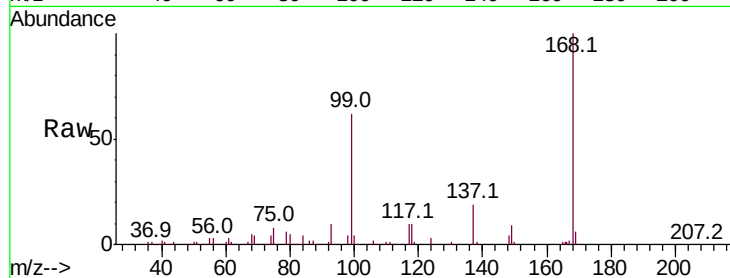
RBR-59

Tot Ion:168 Resp: 368065

Ion Ratio Lower Upper

168 100

99 62.2 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

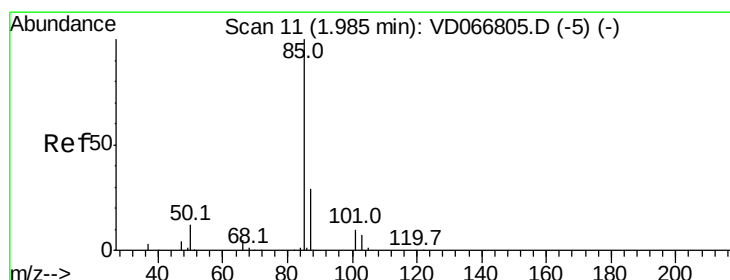
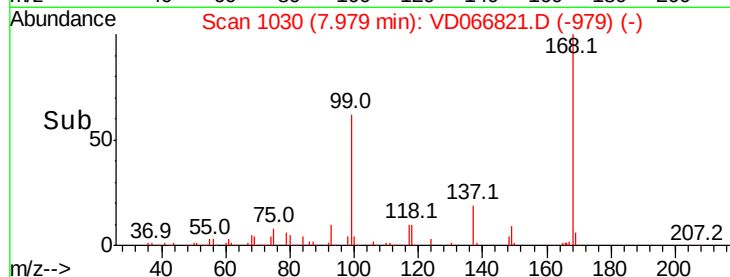
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066821.D

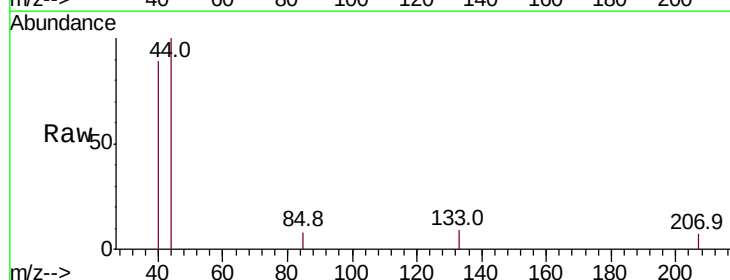
Acq: 22 Sep 2020 19:57

Tgt Ion: 85 Resp: 140

Ion Ratio Lower Upper

85 100

87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

250

200

150

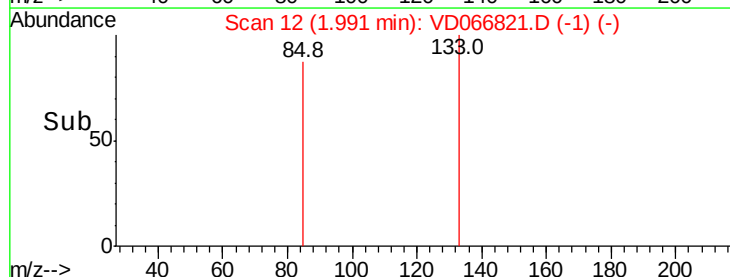
100

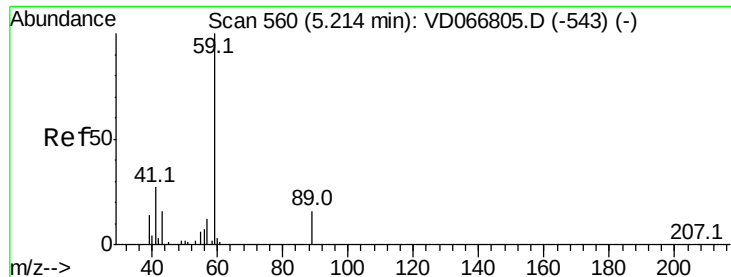
50

0

Time-->

1.98 2.00



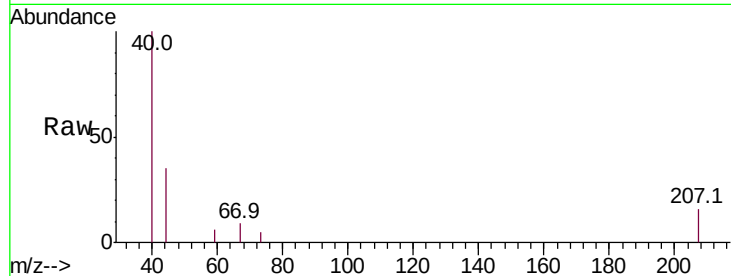


#11

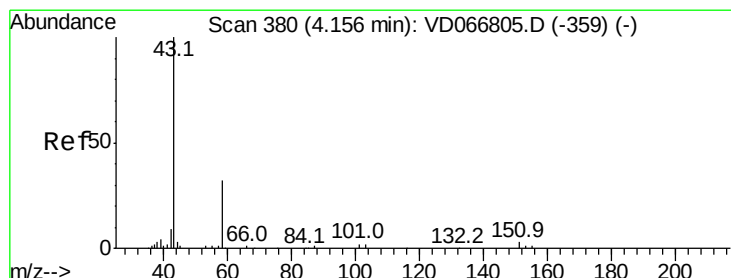
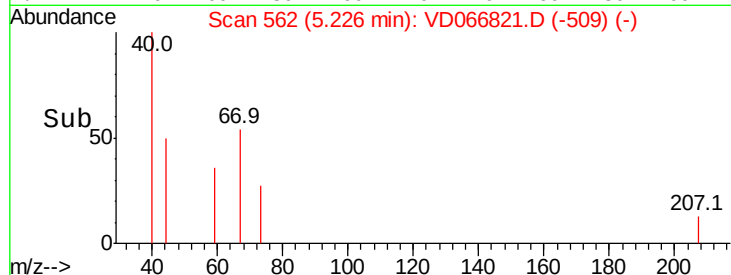
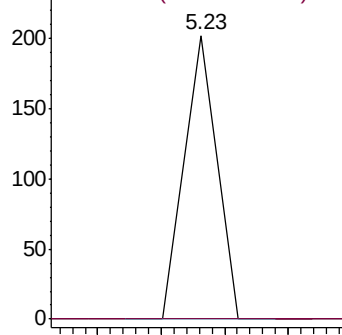
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: VD066821.D
 Acq: 22 Sep 2020 19:57

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-59

Tot Ion: 59 Resp: 71
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



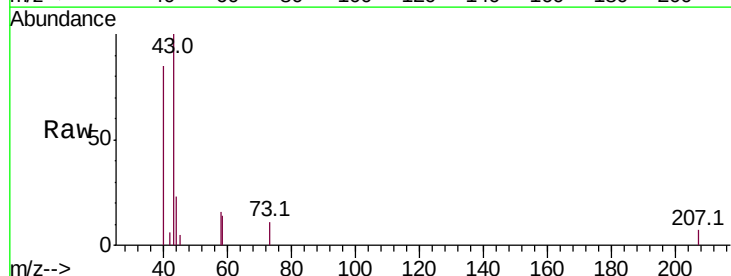
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



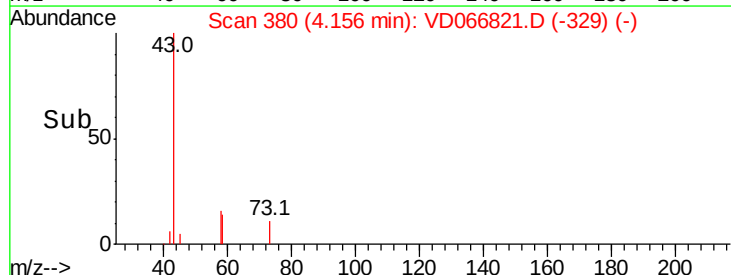
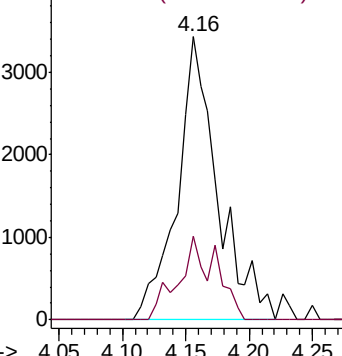
#16

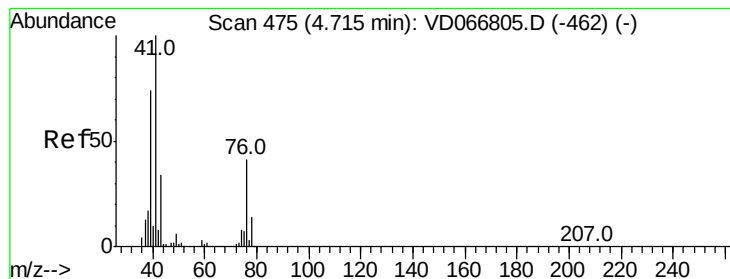
Acetone
 Concen: 9.967 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD066821.D
 Acq: 22 Sep 2020 19:57

Tgt Ion: 43 Resp: 7617
 Ion Ratio Lower Upper
 43 100
 58 29.8 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC





#18

Methvl Acetate

Concen: Below Cal

RT: 4.76 min Scan# 482

Delta R.T. 0.04 min

Lab File: VD066821.D

Acq: 22 Sep 2020 19:57

Instrument :

MSVOA_D

ClientSampleId :

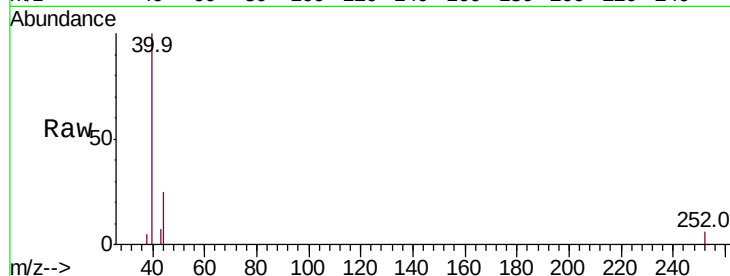
RBR-59

Tot Ion: 43 Resp: 132

Ion Ratio Lower Upper

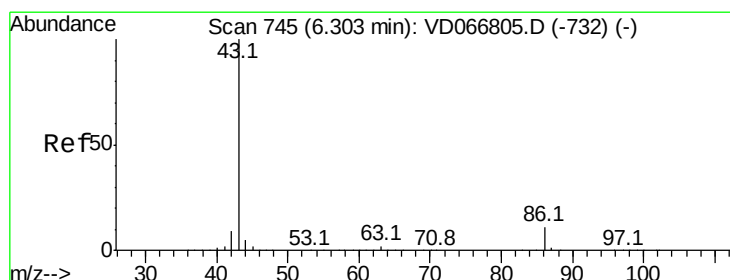
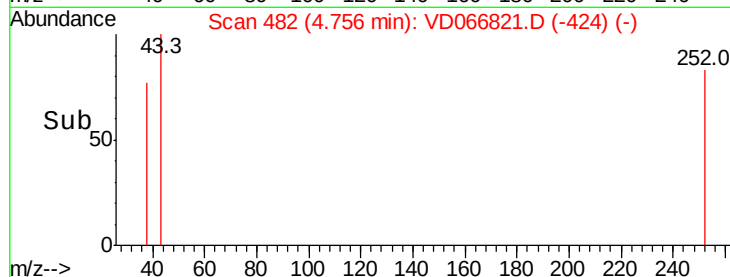
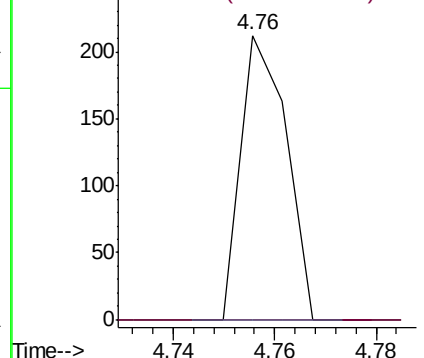
43 100

74 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



#23

Vinyl Acetate

Concen: 2.685 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD066821.D

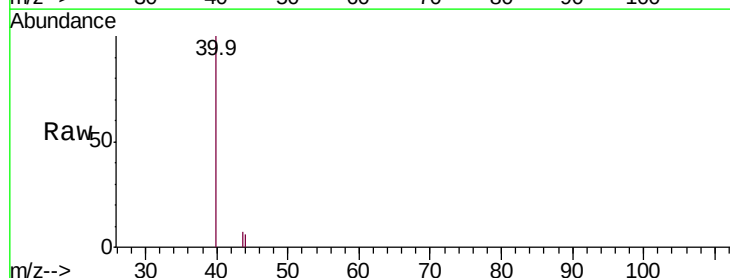
Acq: 22 Sep 2020 19:57

Tgt Ion: 43 Resp: 77

Ion Ratio Lower Upper

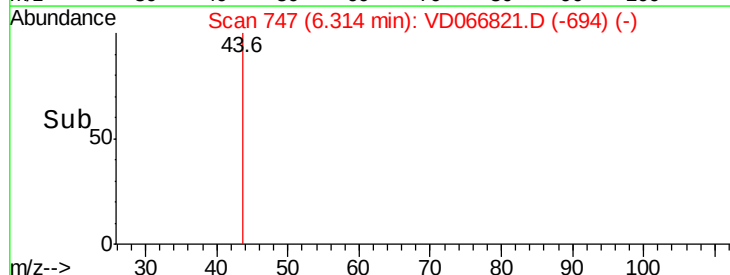
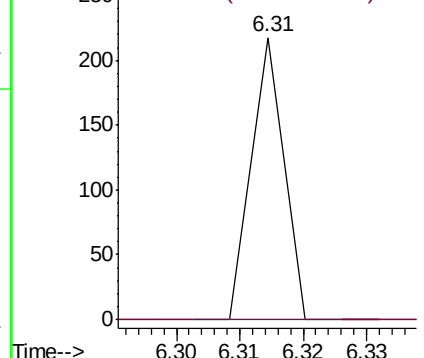
43 100

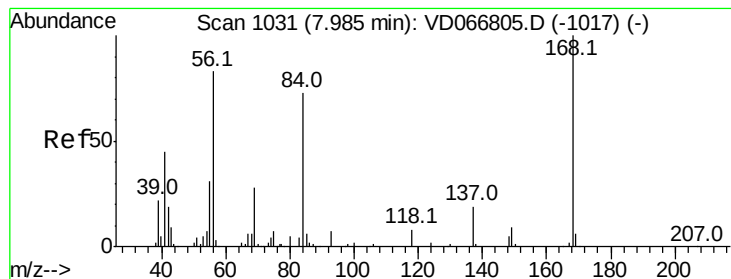
86 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC





#31

Cyclohexane

Concen: 1.919 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066821.D

Acq: 22 Sep 2020 19:57

Instrument :

MSVOA_D

ClientSampleId :

RBR-59

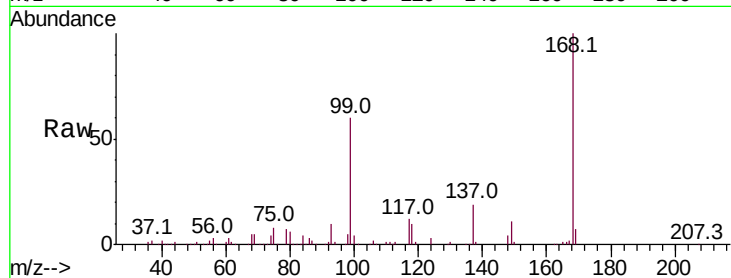
Tot Ion: 56 Resp: 12571

Ion Ratio Lower Upper

56 100

69 138.8 27.0 40.4#

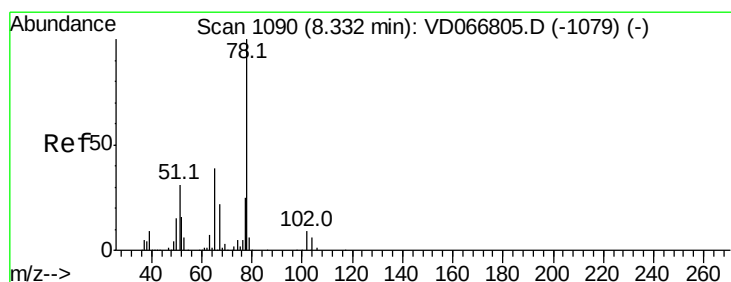
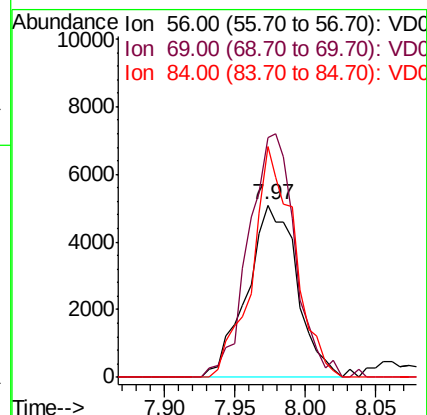
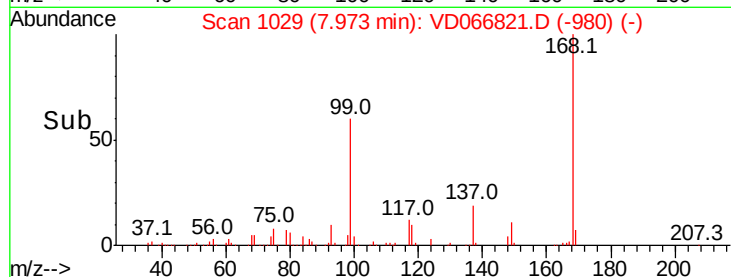
84 134.0 70.2 105.4#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 63.779 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066821.D

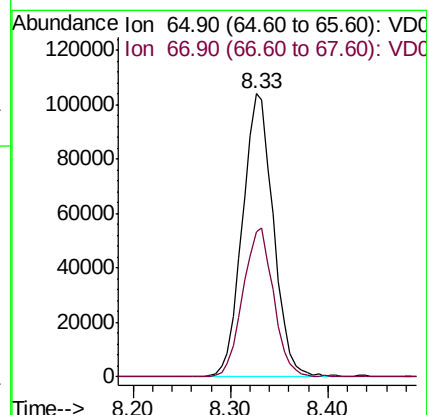
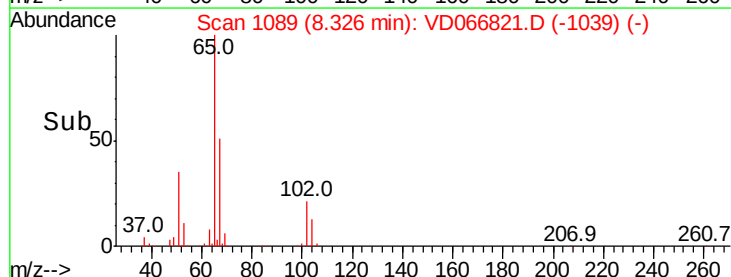
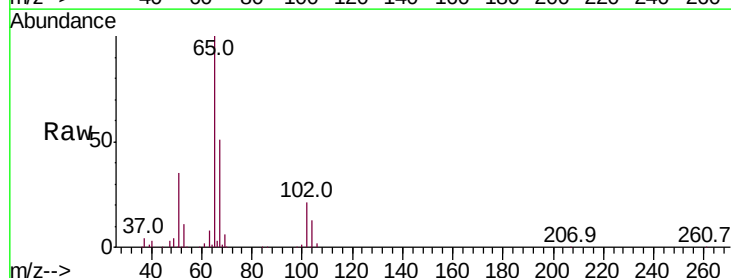
Acq: 22 Sep 2020 19:57

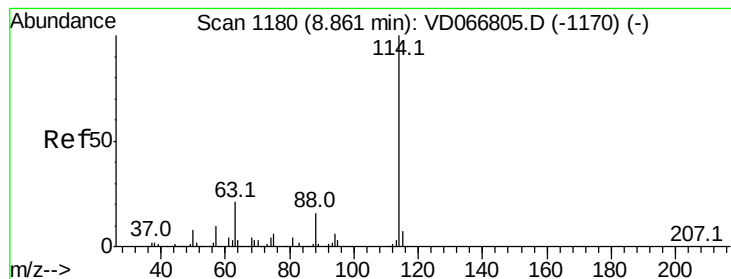
Tgt Ion: 65 Resp: 229763

Ion Ratio Lower Upper

65 100

67 52.4 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066821.D

Acq: 22 Sep 2020 19:57

Instrument :

MSVOA_D

ClientSampleId :

RBR-59

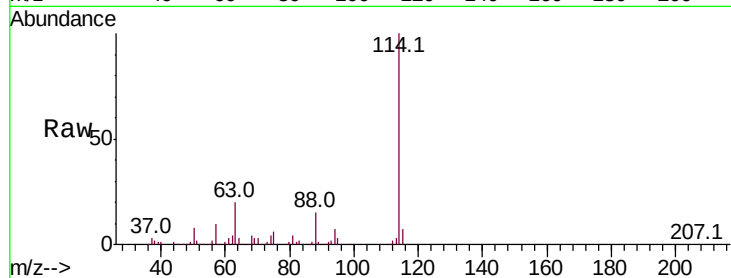
Tot Ion:114 Resp: 679011

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

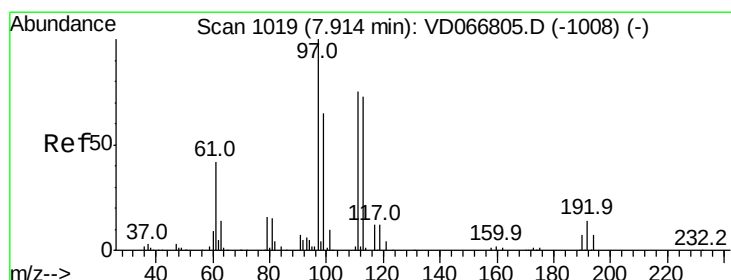
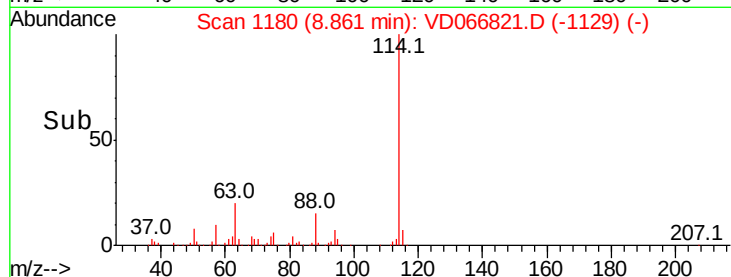
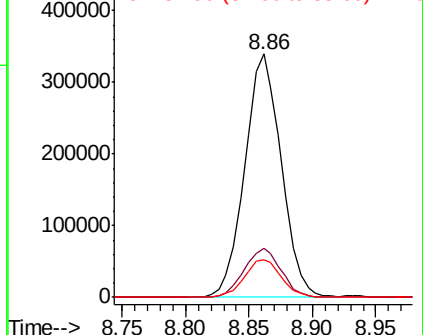
88 15.5 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 49.988 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD066821.D

Acq: 22 Sep 2020 19:57

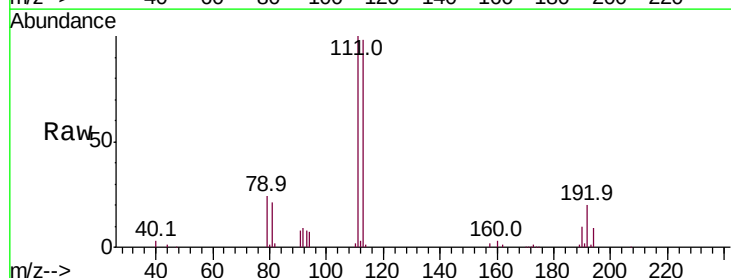
Tgt Ion:113 Resp: 215941

Ion Ratio Lower Upper

113 100

111 101.5 81.8 122.8

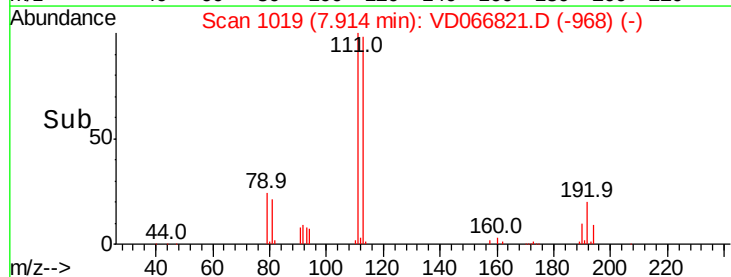
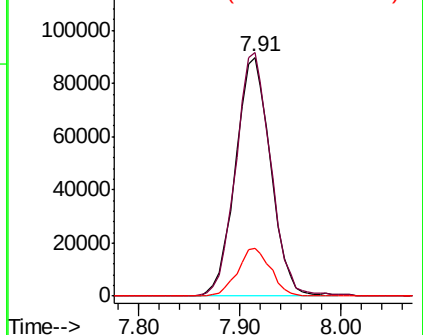
192 19.0 14.4 21.6

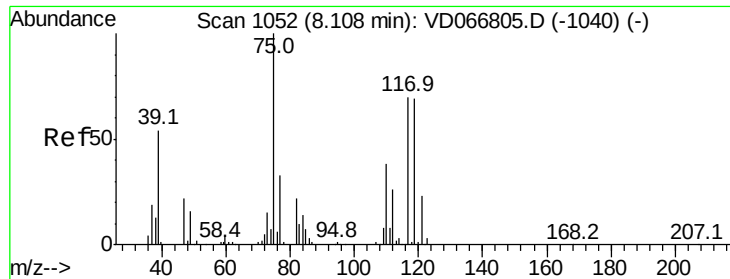


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.745 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066821.D

Acq: 22 Sep 2020 19:57

Instrument :

MSVOA_D

ClientSampled :

RBR-59

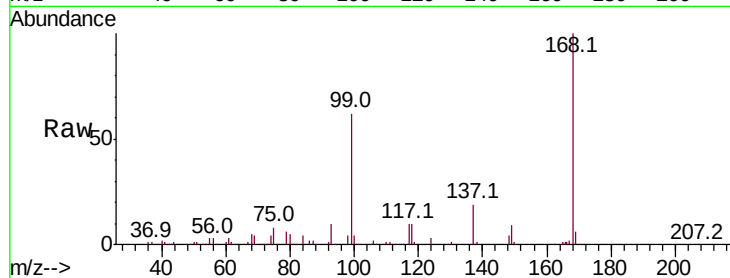
Tot Ion: 75 Resp: 31964

Ion Ratio Lower Upper

75 100

110 10.1 17.9 53.8#

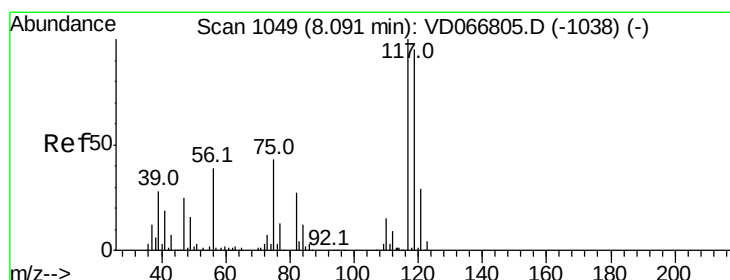
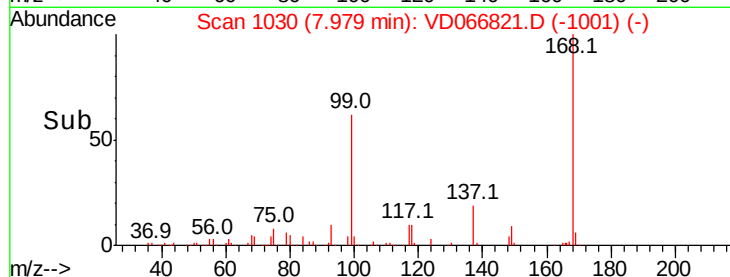
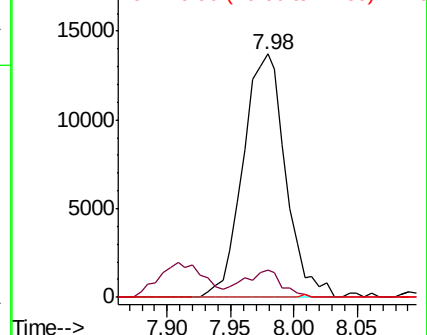
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



#38

Carbon Tetrachloride

Concen: 5.431 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066821.D

Acq: 22 Sep 2020 19:57

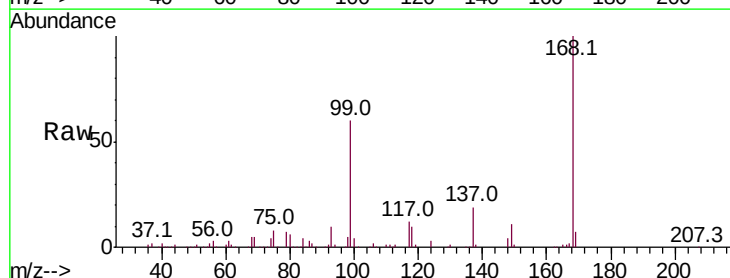
Tgt Ion: 117 Resp: 39999

Ion Ratio Lower Upper

117 100

119 5.1 75.8 113.8#

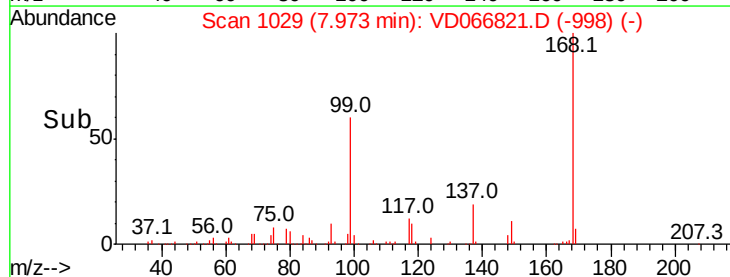
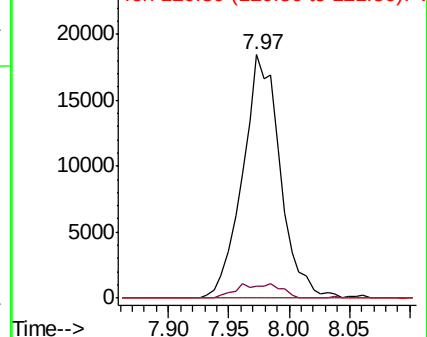
121 0.0 23.4 35.0#

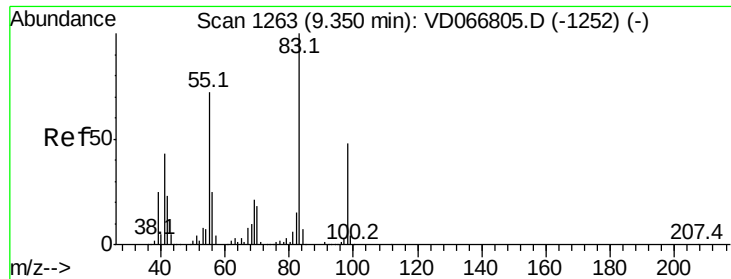


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

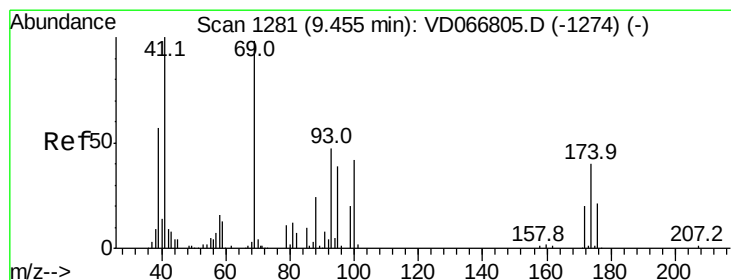
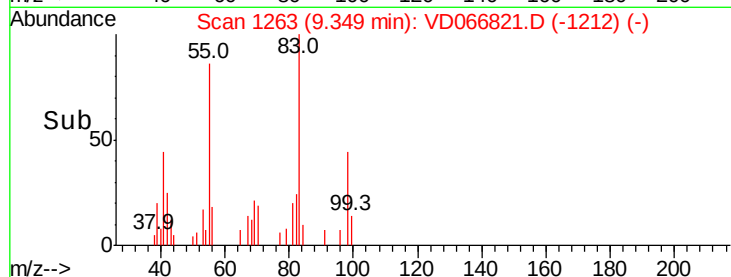
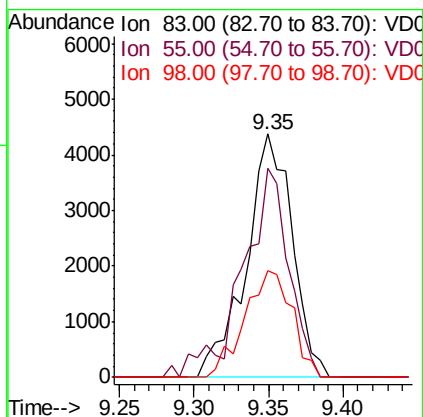
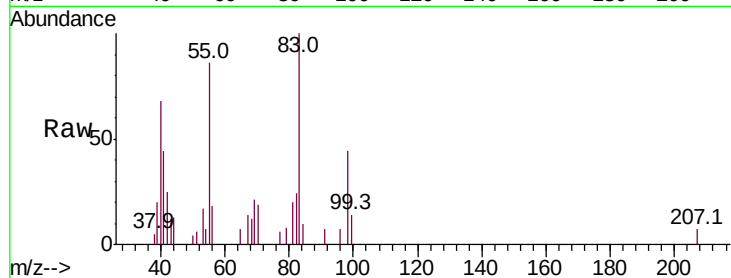




#39
Methylcyclohexane
Concen: 1.209 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066821.D
Acq: 22 Sep 2020 19:57

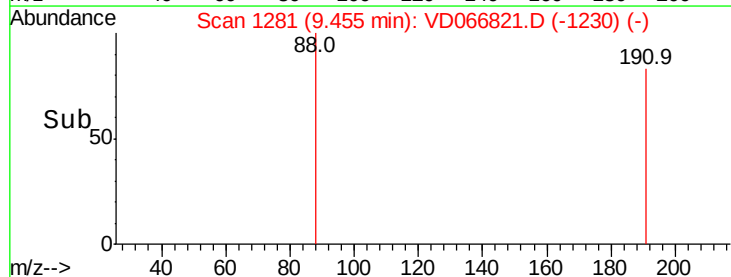
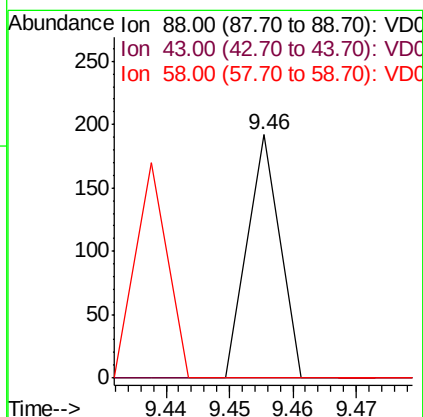
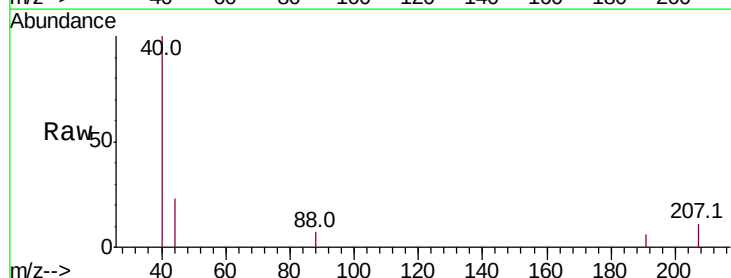
Instrument :
MSVOA_D
ClientSampleID :
RBR-59

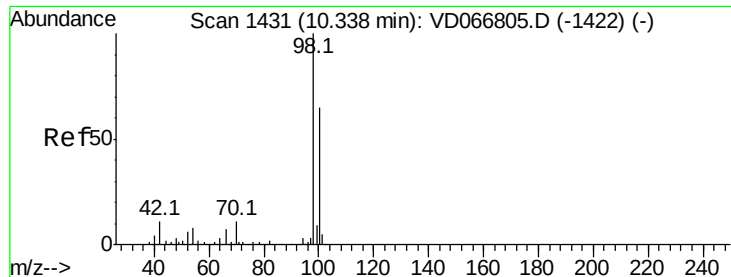
Tot Ion: 83 Resp: 9348
Ion Ratio Lower Upper
83 100
55 86.1 57.7 86.5
98 43.8 38.4 57.6



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066821.D
Acq: 22 Sep 2020 19:57

Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 0.0 27.7 41.5#
58 88.2 55.5 83.3#





#50

Toluene-d8

Concen: 58.470 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066821.D

Acq: 22 Sep 2020 19:57

Instrument :

MSVOA_D

ClientSampled :

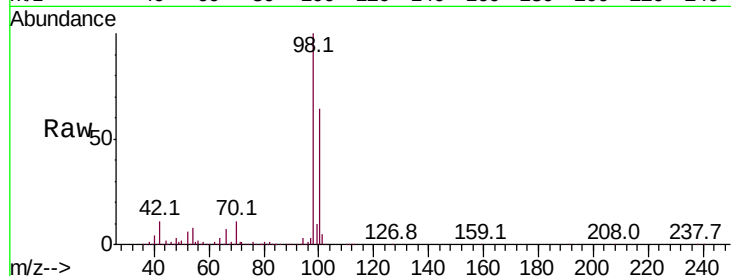
RBR-59

Tot Ion: 98 Resp: 860598

Ion Ratio Lower Upper

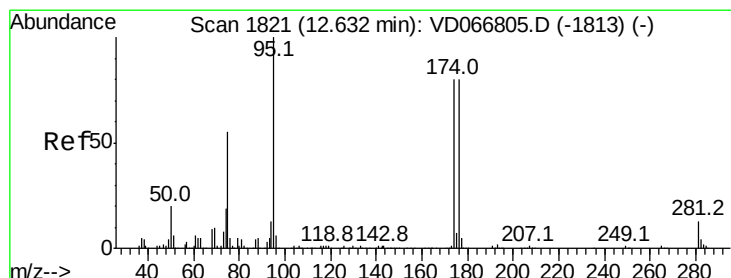
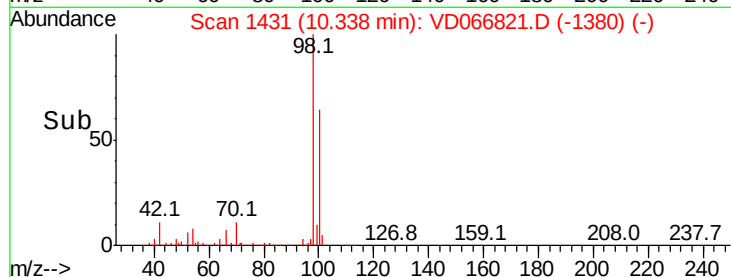
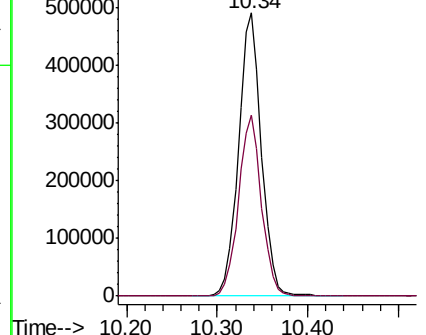
98 100

100 64.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 59.411 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066821.D

Acq: 22 Sep 2020 19:57

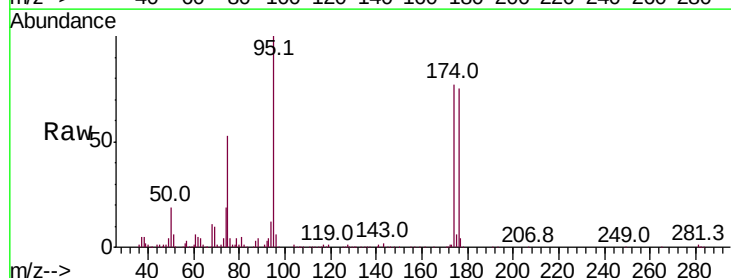
Tgt Ion: 95 Resp: 299353

Ion Ratio Lower Upper

95 100

174 76.9 0.0 159.8

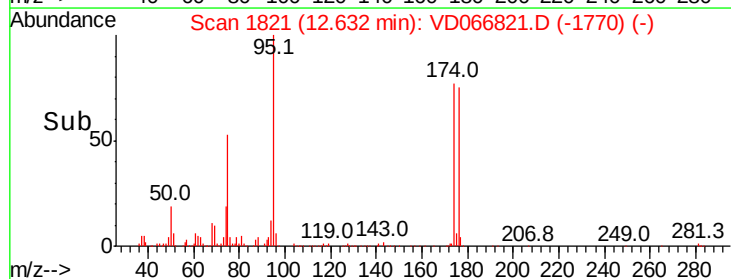
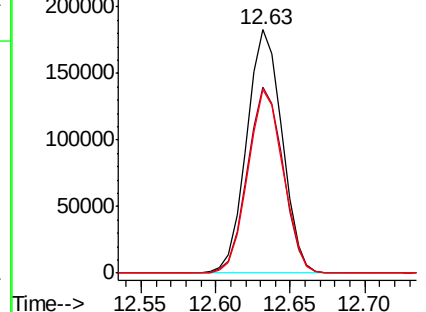
176 74.8 0.0 154.4

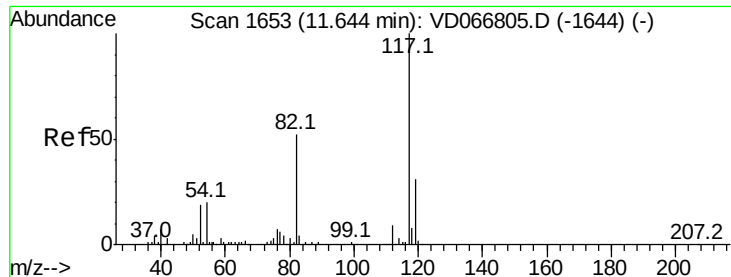


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

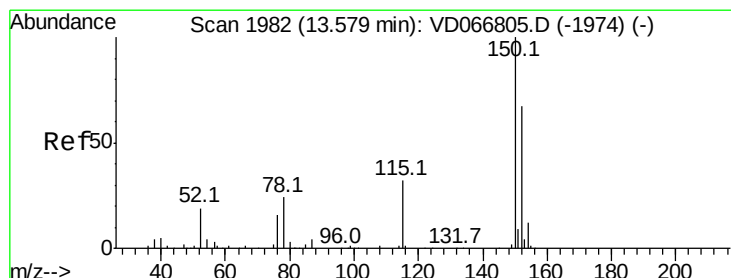
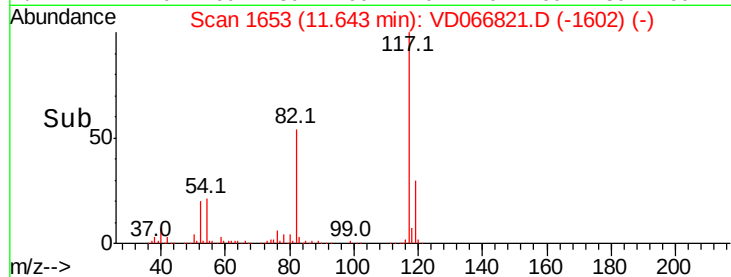
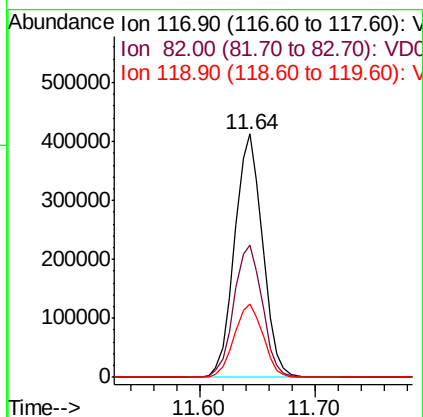
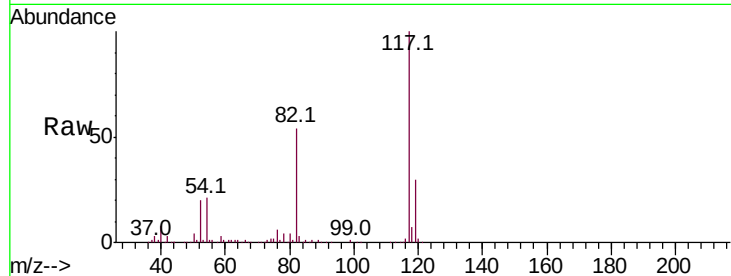




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066821.D
Acq: 22 Sep 2020 19:57

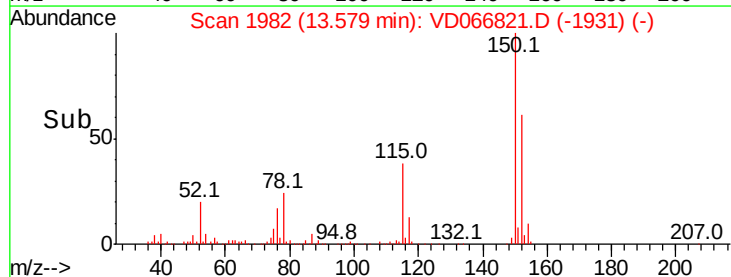
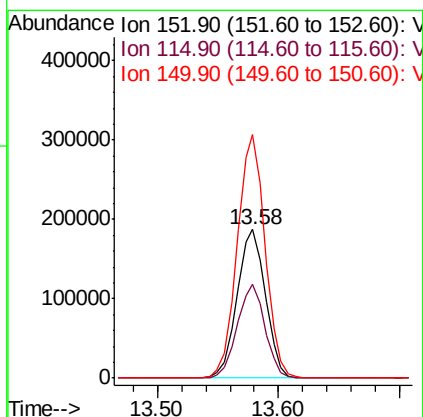
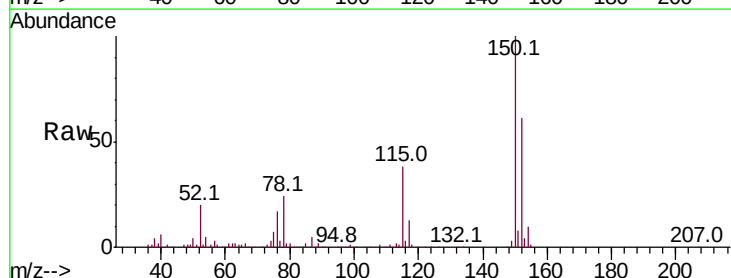
Instrument :
MSVOA_D
ClientSampled :
RBR-59

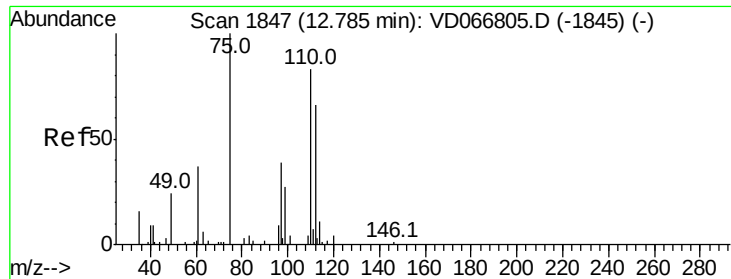
Tot Ion:117 Resp: 693750
Ion Ratio Lower Upper
117 100
82 54.2 41.8 62.6
119 30.3 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066821.D
Acq: 22 Sep 2020 19:57

Tgt Ion:152 Resp: 306116
Ion Ratio Lower Upper
152 100
115 61.7 30.3 91.0
150 160.7 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 62.847 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066821.D

Acq: 22 Sep 2020 19:57

Instrument :

MSVOA_D

ClientSampled :

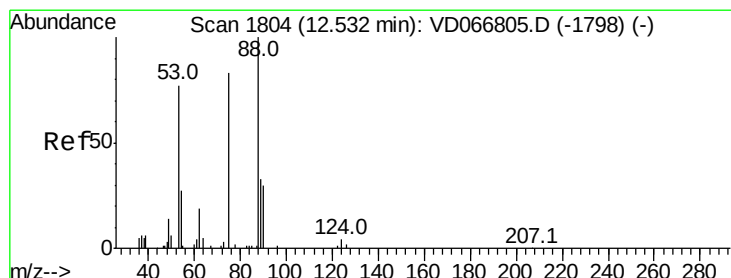
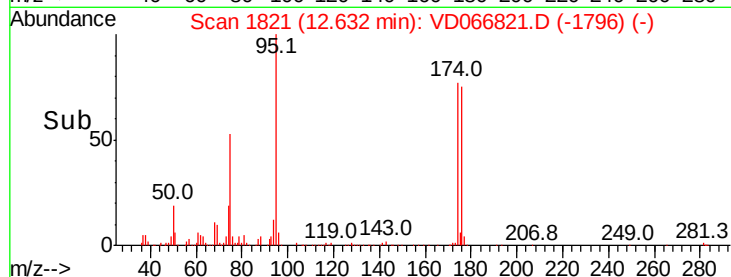
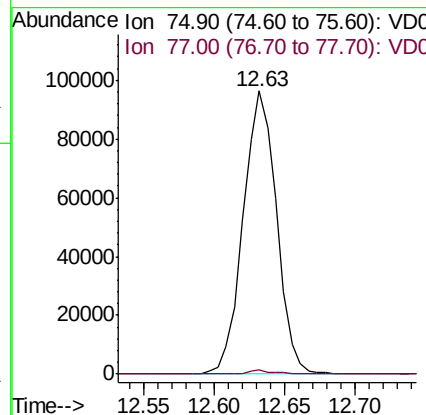
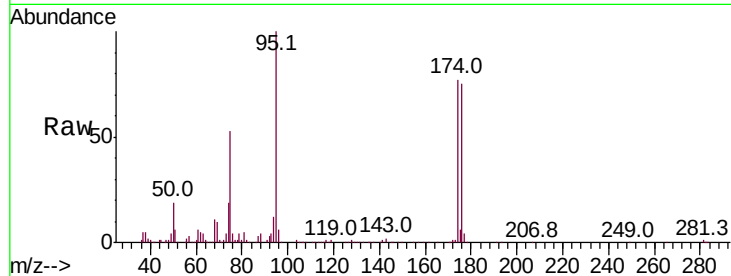
RBR-59

Tot Ion: 75 Resp: 159432

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 157.236 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066821.D

Acq: 22 Sep 2020 19:57

Tgt Ion: 75 Resp: 159432

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 38.1 57.1#

