

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072220\
 Data File : VD066010.D
 Acq On : 22 Jul 2020 19:06
 Operator : VA/SY
 Sample : L3362-03
 Misc : 7.58G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-59

Quant Time: Jul 23 01:06:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	112447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	200361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	229435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	121222	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	71453	78.09	ug/l	0.00
Spiked Amount			Recovery	=	156.18%	
35) Dibromofluoromethane	7.91	113	69494	57.18	ug/l	0.00
Spiked Amount			Recovery	=	114.36%	
50) Toluene-d8	10.34	98	244491	54.01	ug/l	0.00
Spiked Amount			Recovery	=	108.02%	
62) 4-Bromofluorobenzene	12.64	95	102752	65.46	ug/l	0.00
Spiked Amount			Recovery	=	130.92%	

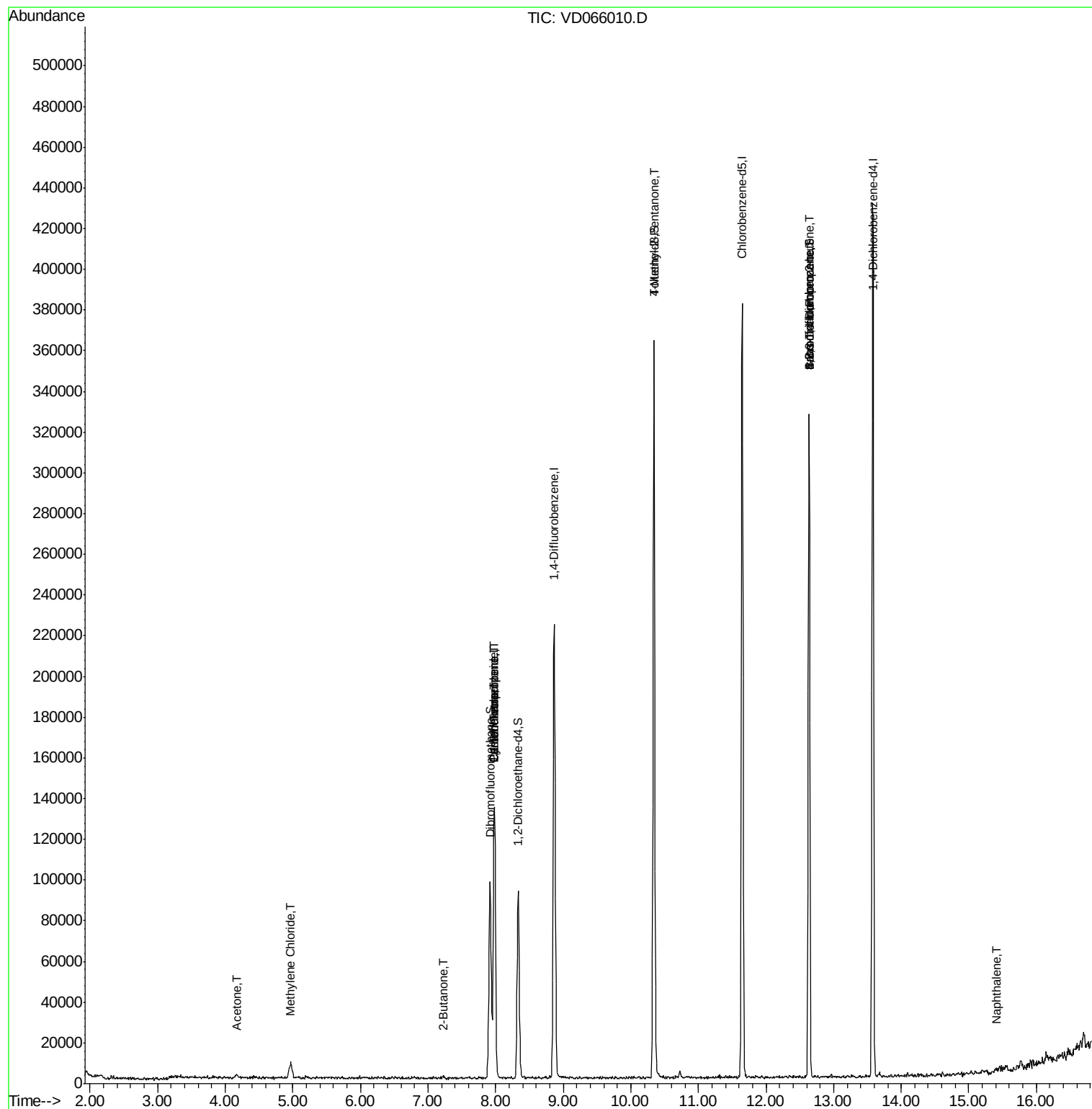
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	836	Below Cal	#	83
16) Acetone	4.17	43	2729	14.735	ug/l #	42
20) Methylene Chloride	4.97	84	6718	3.822	ug/l #	73
25) 2-Butanone	7.23	43	731	2.975	ug/l #	50
31) Cyclohexane	7.99	56	2117	1.286	ug/l #	53
36) 1,1-Dichloropropene	7.98	75	7410	4.333	ug/l #	51
38) Carbon Tetrachloride	7.98	117	9864	5.316	ug/l #	18
51) 4-Methyl-2-Pentanone	10.34	43	1042	1.621	ug/l #	1
71) Bromoform	12.64	173	1034	1.138	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	49540	54.276	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	49540	124.545	ug/l #	11
95) Naphthalene	15.41	128	824	3.746	ug/l #	78

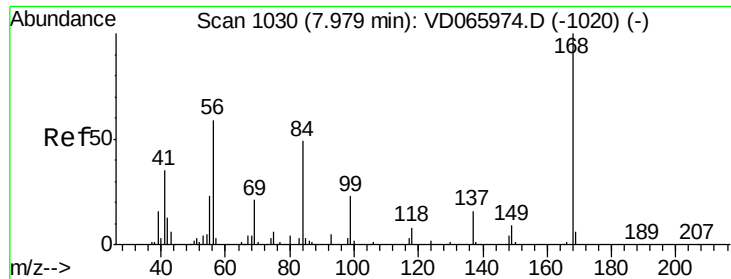
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066010.D

Acq: 22 Jul 2020 19:06

Instrument :

MSVOA_D

ClientSampleId :

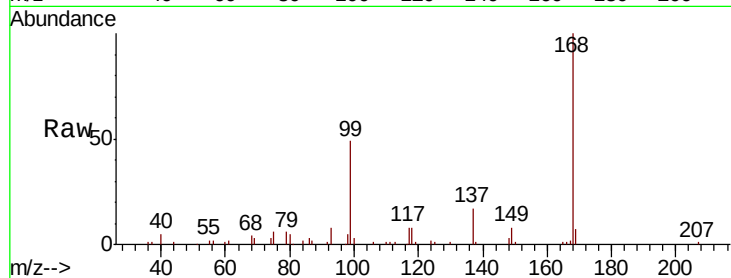
RBR-59

Tot Ion:168 Resp: 112447

Ion Ratio Lower Upper

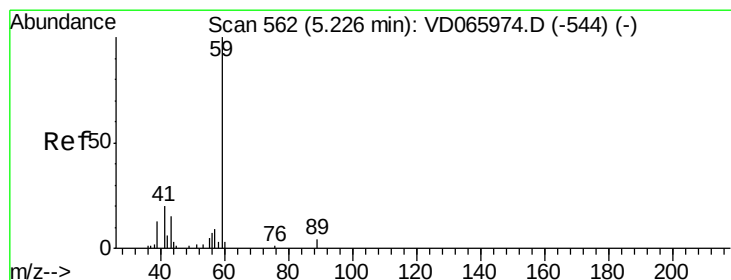
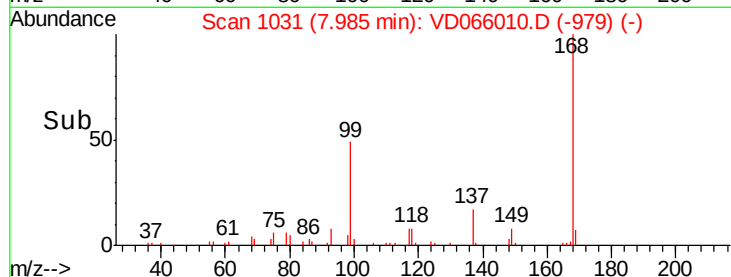
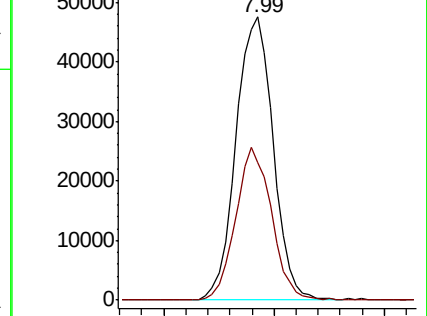
168 100

99 48.7 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD066010.D

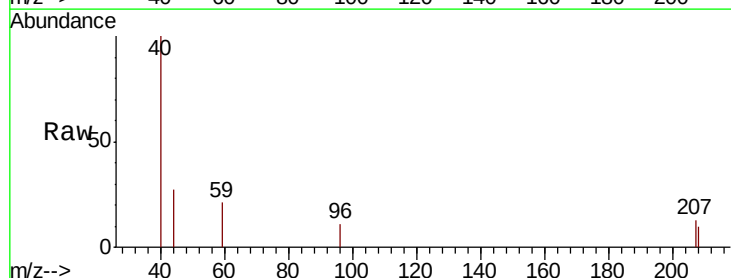
Acq: 22 Jul 2020 19:06

Tgt Ion: 59 Resp: 836

Ion Ratio Lower Upper

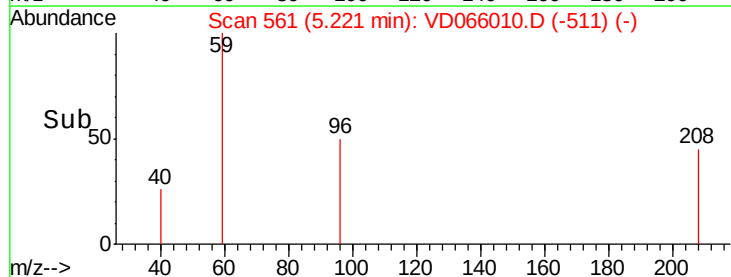
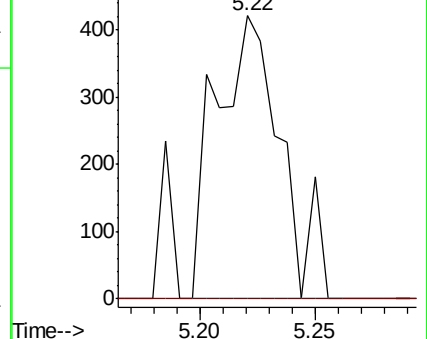
59 100

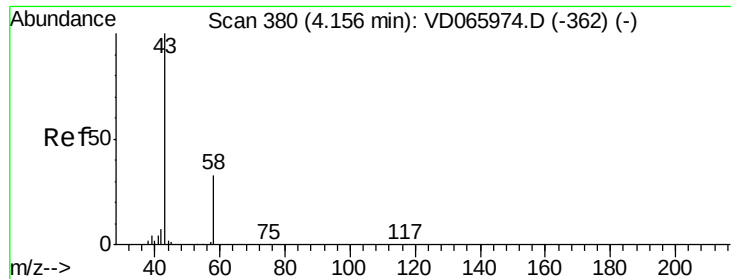
57 0.0 4.5 6.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 14.735 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.02 min

Lab File: VD066010.D

Acq: 22 Jul 2020 19:06

Instrument :

MSVOA_D

ClientSampleId :

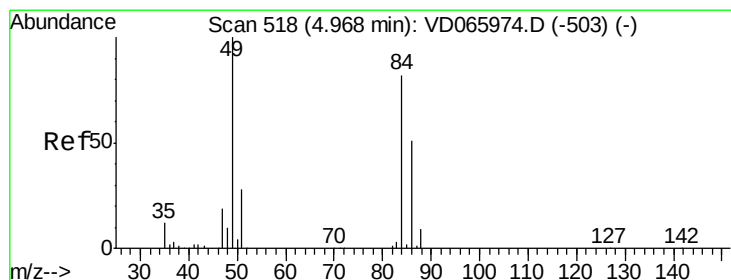
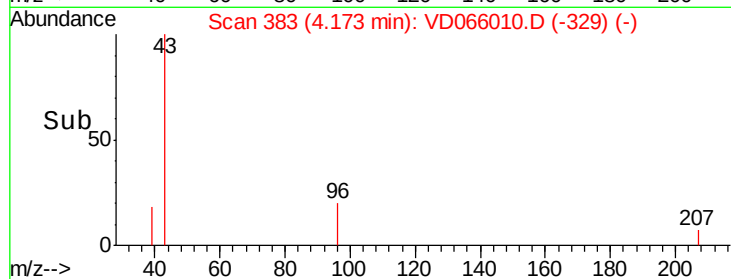
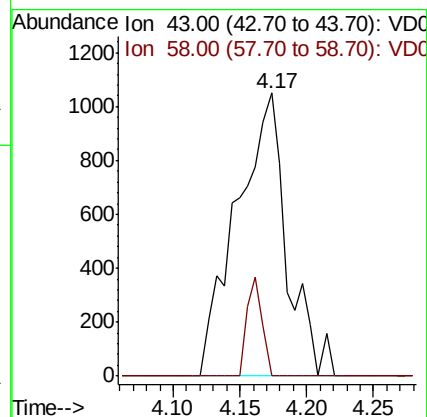
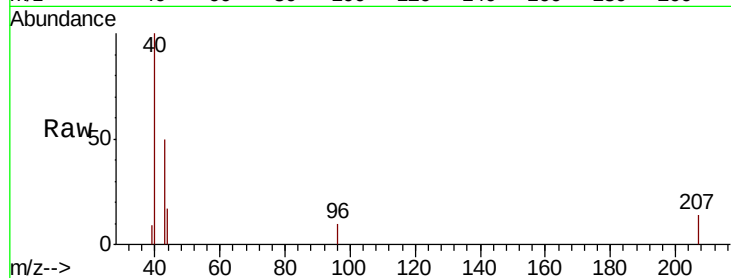
RBR-59

Tot Ion: 43 Resp: 2729

Ion Ratio Lower Upper

43 100

58 0.0 26.3 39.5#



#20

Methylene Chloride

Concen: 3.822 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066010.D

Acq: 22 Jul 2020 19:06

Tgt Ion: 84 Resp: 6718

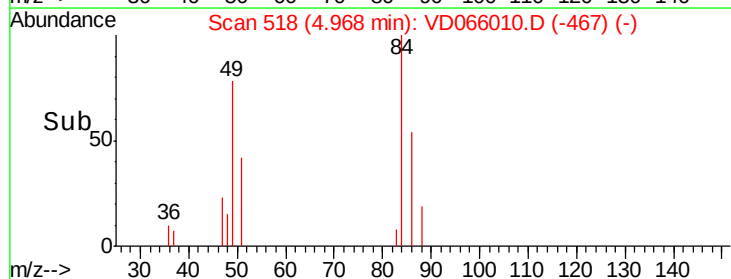
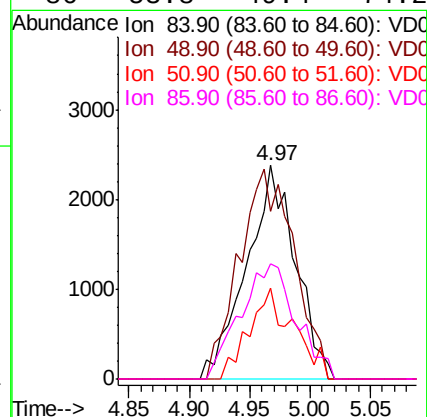
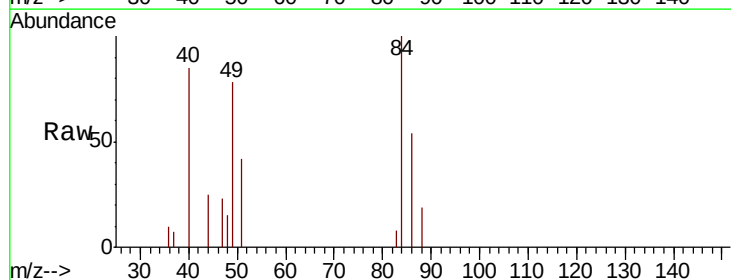
Ion Ratio Lower Upper

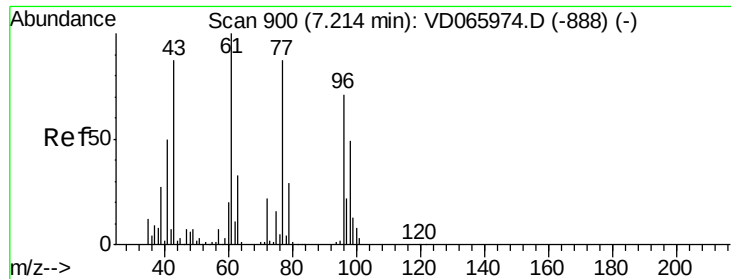
84 100

49 78.3 97.7 146.5#

51 42.4 27.4 41.2#

86 53.8 49.4 74.2





#25

2-Butanone

Concen: 2.975 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD066010.D

Acq: 22 Jul 2020 19:06

Instrument :

MSVOA_D

ClientSampleId :

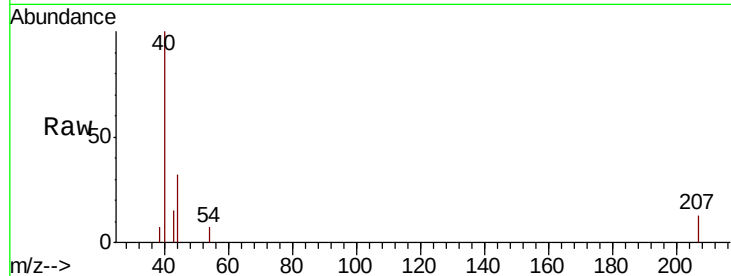
RBR-59

Tot Ion: 43 Resp: 731

Ion Ratio Lower Upper

43 100

72 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.23

400

300

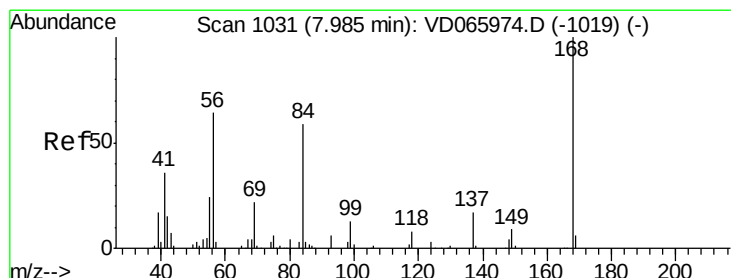
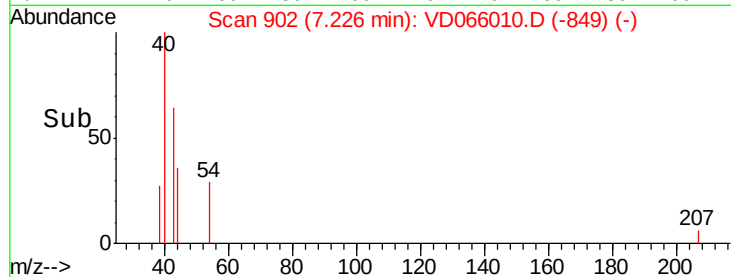
200

100

0

7.20 7.22 7.24 7.26 7.28

Time-->



#31

Cyclohexane

Concen: 1.286 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD066010.D

Acq: 22 Jul 2020 19:06

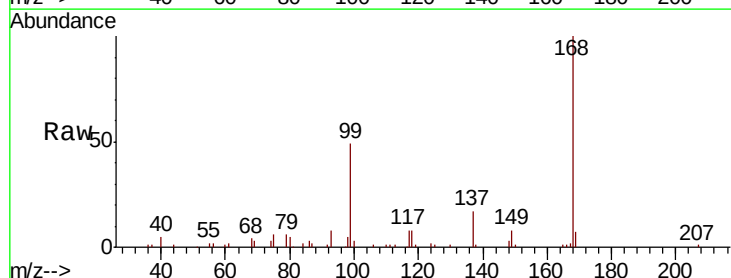
Tgt Ion: 56 Resp: 2117

Ion Ratio Lower Upper

56 100

69 130.8 28.0 42.0#

84 92.4 72.6 109.0



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

2000

1500

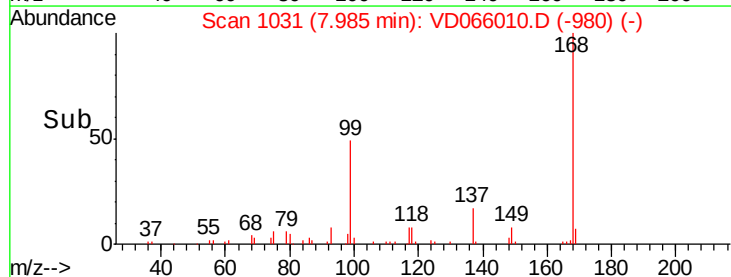
1000

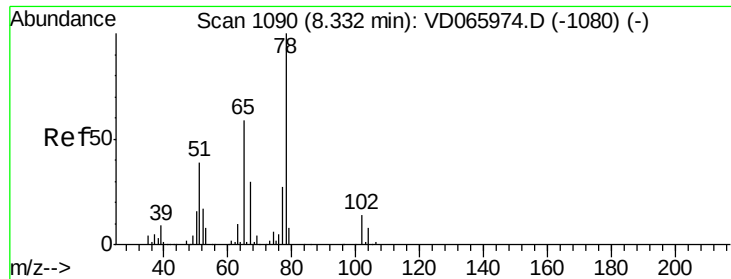
500

0

7.90 7.95 8.00 8.05

Time-->

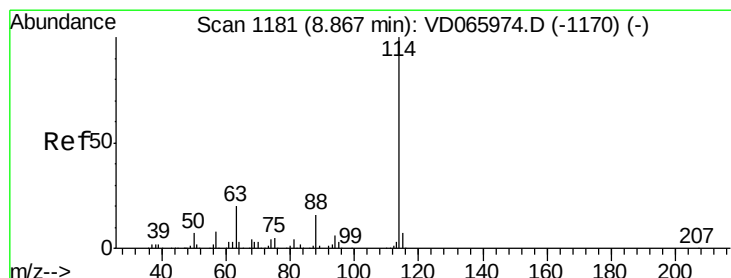
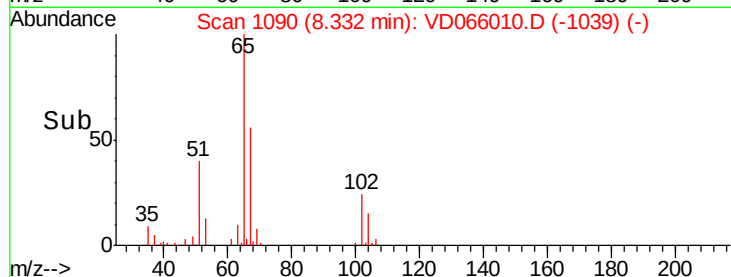
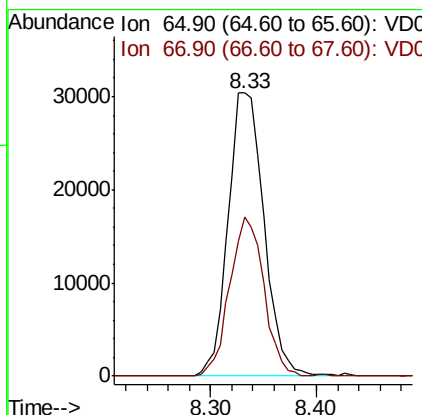
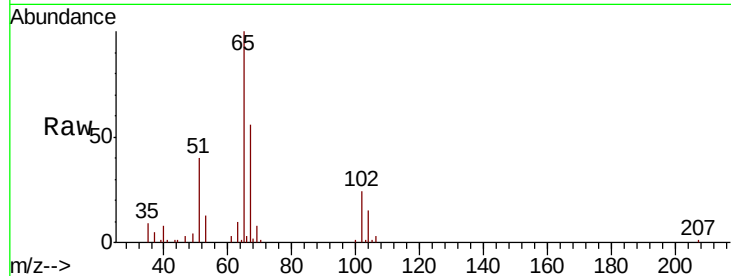




#33
 1,2-Dichloroethane-d4
 Concen: 78.093 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066010.D
 Acq: 22 Jul 2020 19:06

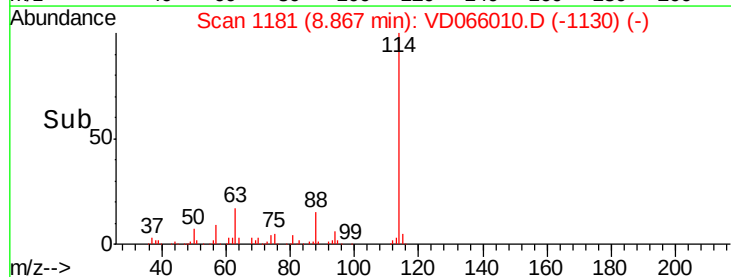
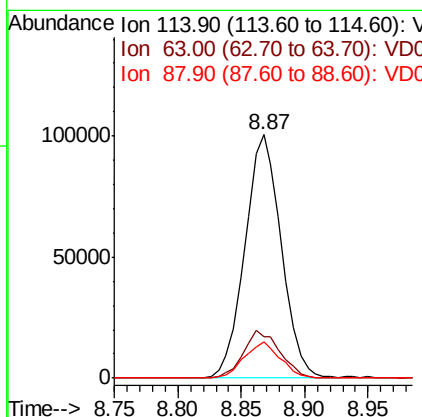
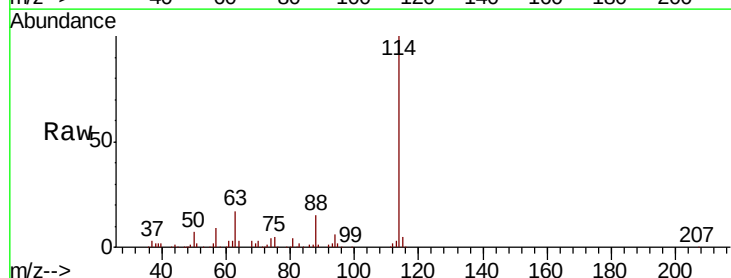
Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-59

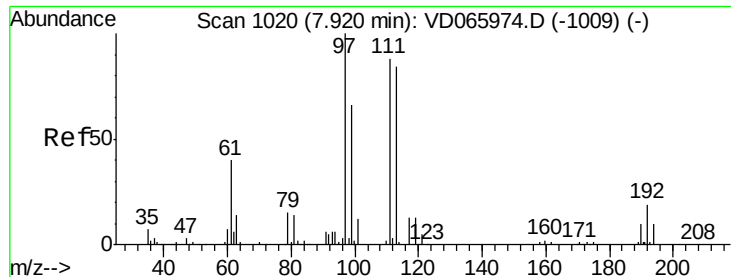
Tot Ion: 65 Resp: 71453
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD066010.D
 Acq: 22 Jul 2020 19:06

Tgt Ion: 114 Resp: 200361
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 39.6
 88 14.7 0.0 31.2

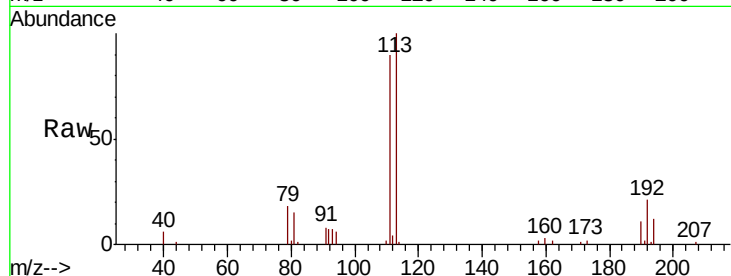




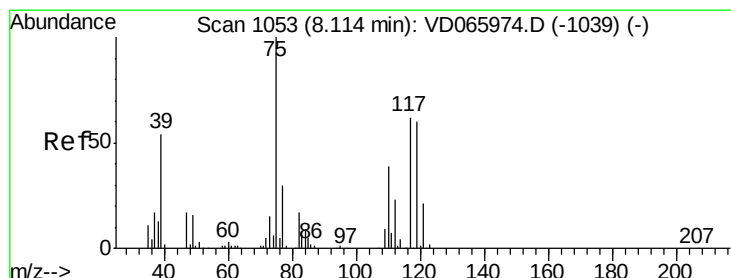
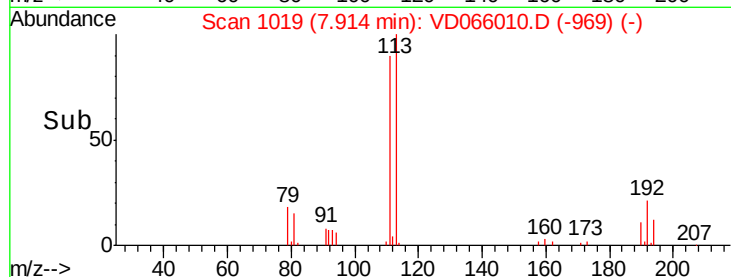
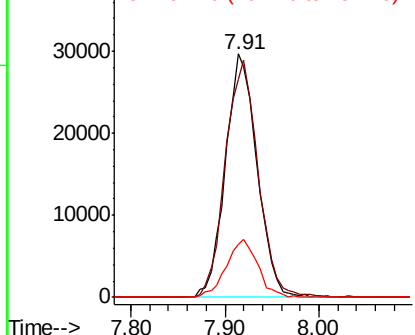
#35
 Dibromofluoromethane
 Concen: 57.185 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066010.D
 Acq: 22 Jul 2020 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-59

Tot Ion:113 Resp: 69494
 Ion Ratio Lower Upper
 113 100
 111 100.8 83.2 124.8
 192 23.5 18.7 28.1

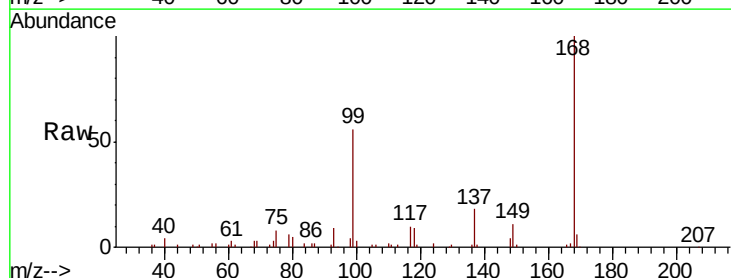


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

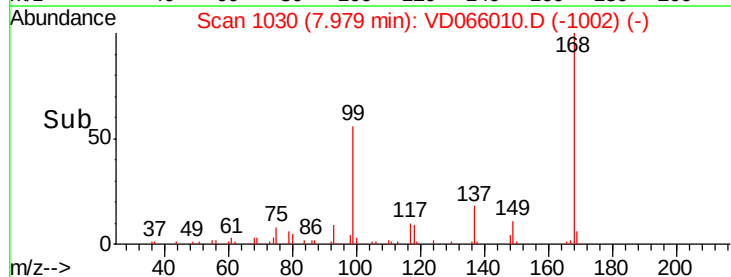
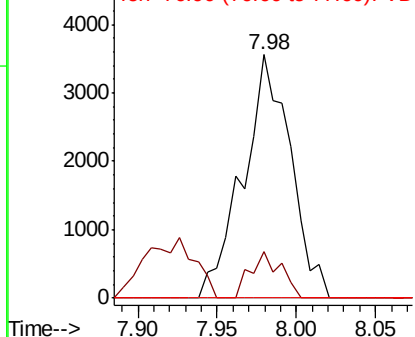


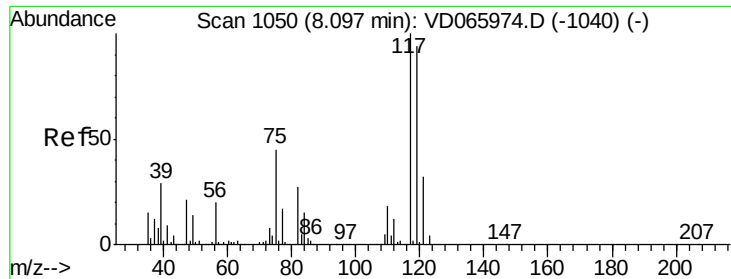
#36
 1,1-Dichloropropene
 Concen: 4.333 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD066010.D
 Acq: 22 Jul 2020 19:06

Tgt Ion: 75 Resp: 7410
 Ion Ratio Lower Upper
 75 100
 110 12.3 19.5 58.5#
 77 0.0 24.7 37.1#



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

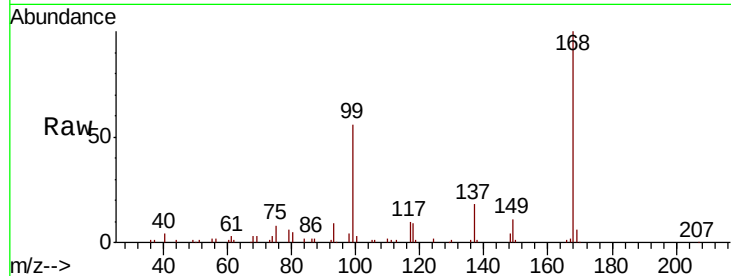




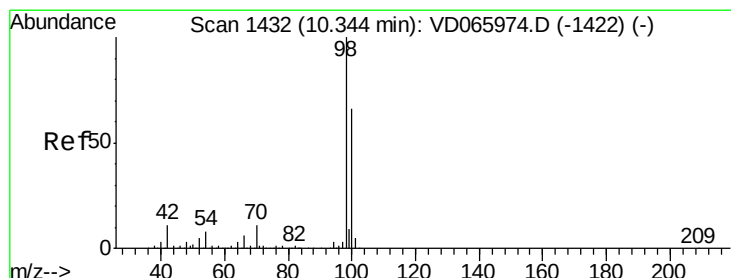
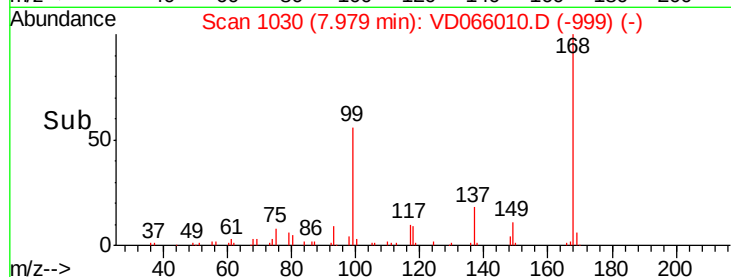
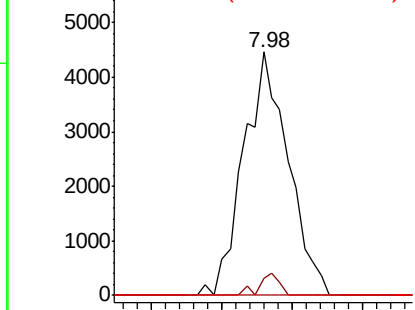
#38
Carbon Tetrachloride
Concen: 5.316 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD066010.D
Acq: 22 Jul 2020 19:06

Instrument :
MSVOA_D
ClientSampleId :
RBR-59

Tot Ion:117 Resp: 9864
Ion Ratio Lower Upper
117 100
119 7.2 75.0 112.6#
121 0.0 25.5 38.3#

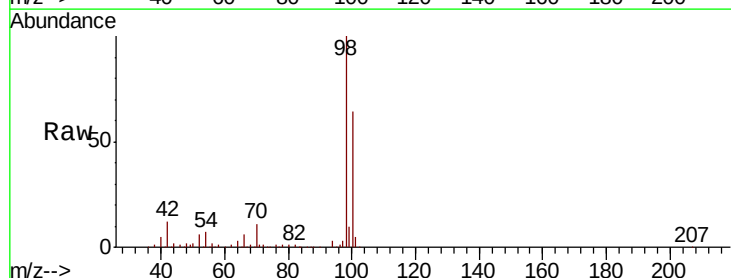


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

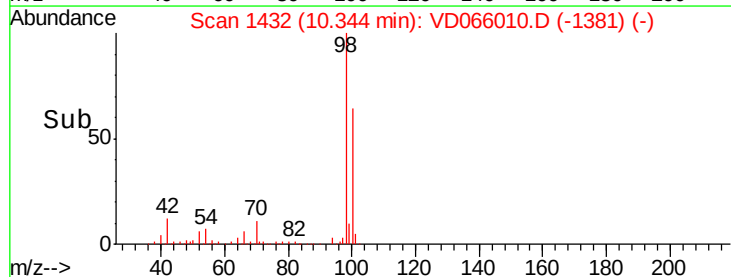
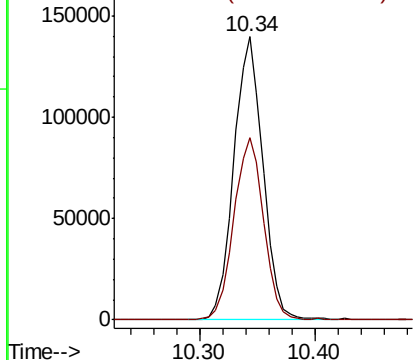


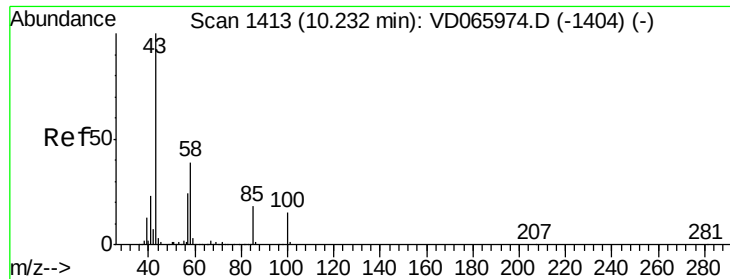
#50
Toluene-d8
Concen: 54.006 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD066010.D
Acq: 22 Jul 2020 19:06

Tgt Ion: 98 Resp: 244491
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VD
Ion 100.00 (99.70 to 100.70): VD





#51

4-Methyl-2-Pentanone

Concen: 1.621 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066010.D

Acq: 22 Jul 2020 19:06

Instrument :

MSVOA_D

ClientSampleID :

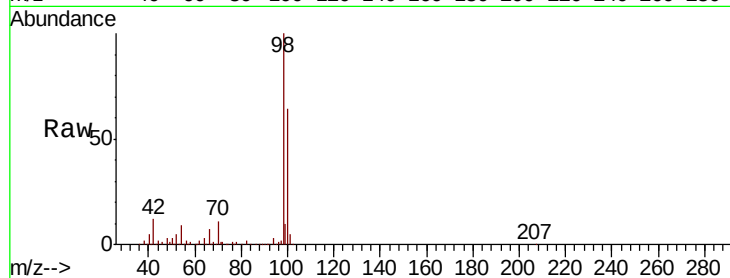
RBR-59

Tot Ion: 43 Resp: 1042

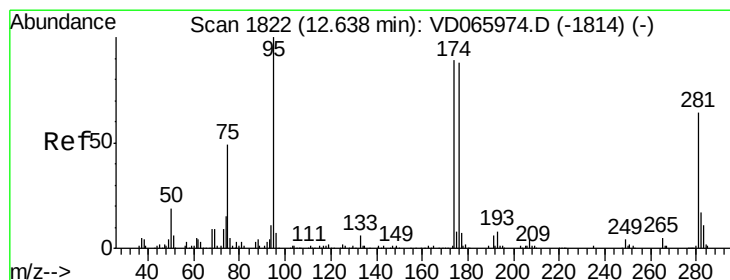
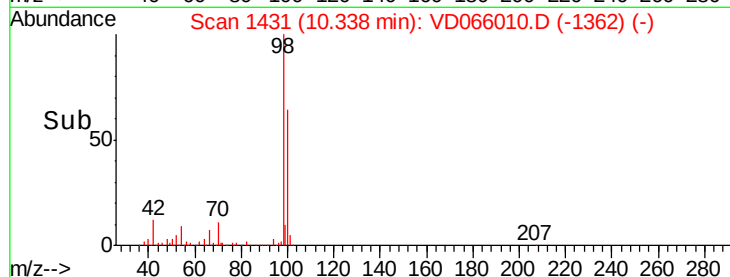
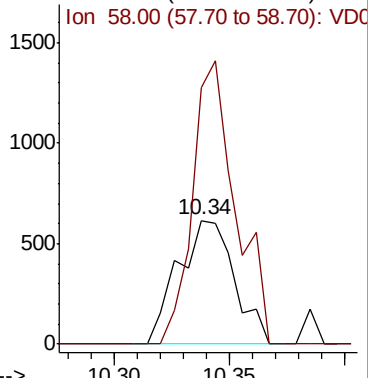
Ion Ratio Lower Upper

43 100

58 175.6 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC



#62

4-Bromofluorobenzene

Concen: 65.458 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD066010.D

Acq: 22 Jul 2020 19:06

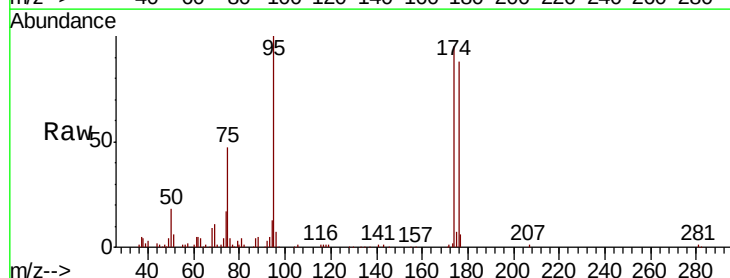
Tgt Ion: 95 Resp: 102752

Ion Ratio Lower Upper

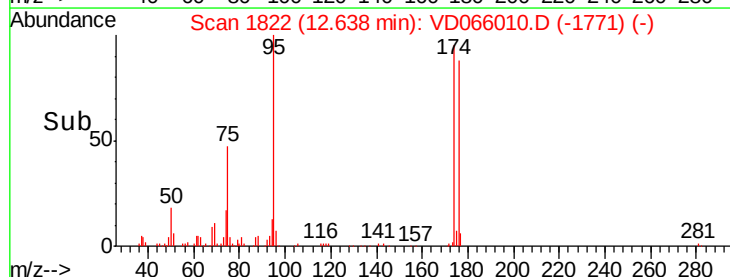
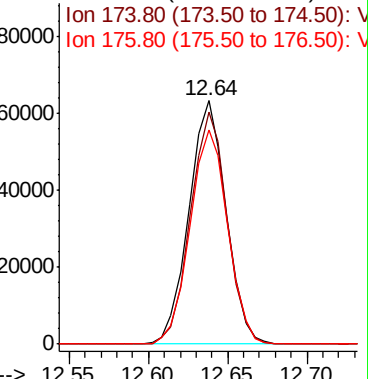
95 100

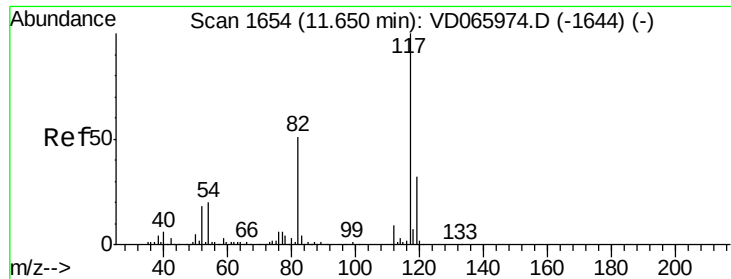
174 94.3 0.0 178.8

176 89.4 0.0 172.6



Abundance Ion 94.90 (94.60 to 95.60): VDC

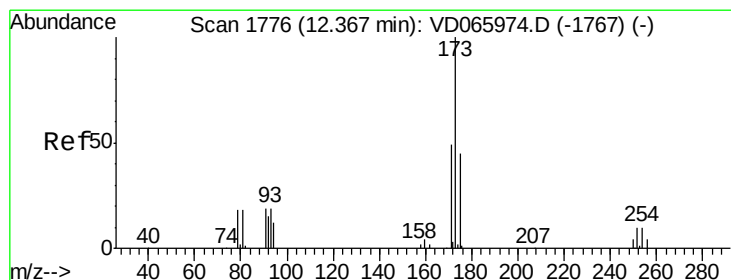
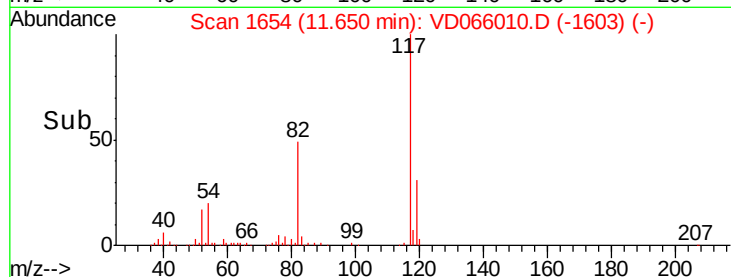
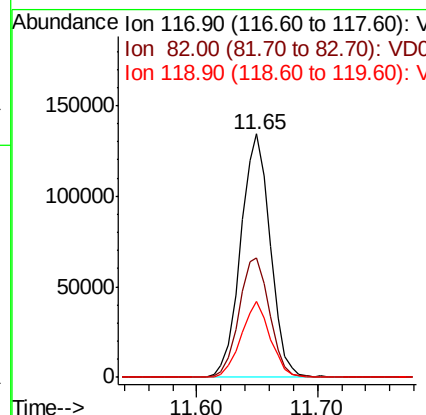
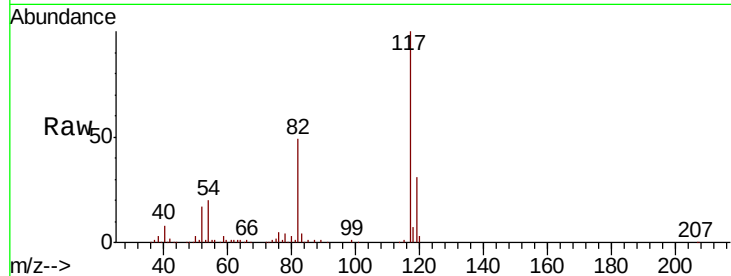




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD066010.D
Acq: 22 Jul 2020 19:06

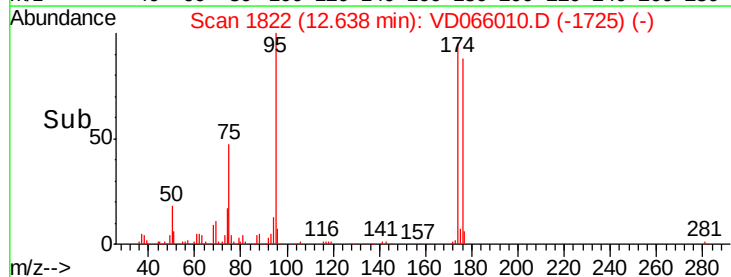
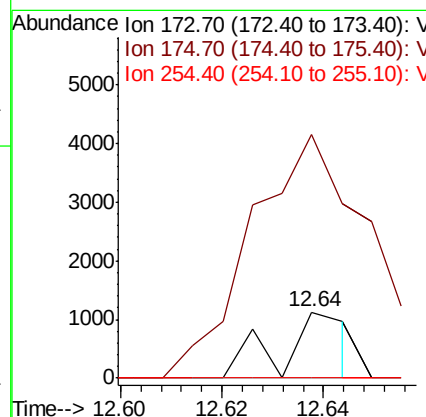
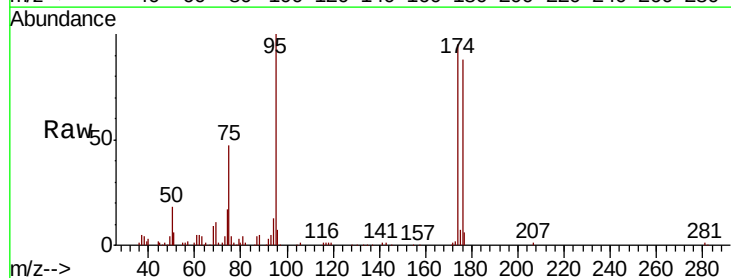
Instrument :
MSVOA_D
ClientSampleId :
RBR-59

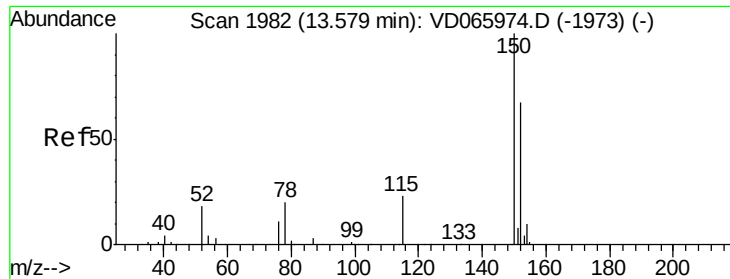
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.0	41.1	61.7
119	31.4	25.9	38.9



#71
Bromoform
Concen: 1.138 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD066010.D
Acq: 22 Jul 2020 19:06

Tgt Ion	Ratio	Lower	Upper
173	100		
175	504.0	24.1	72.3#
254	0.0	0.0	0.0



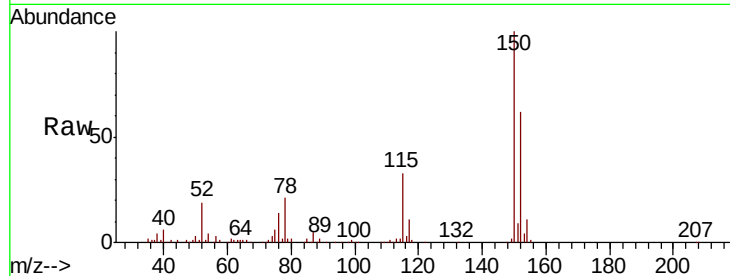


#72

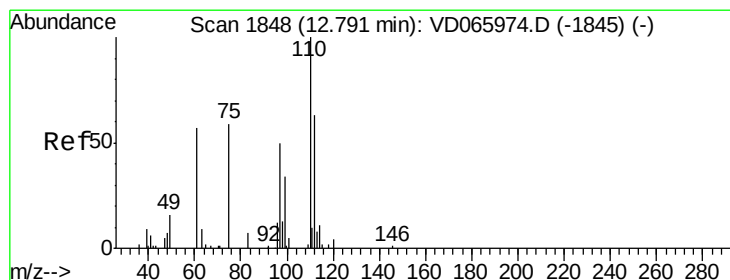
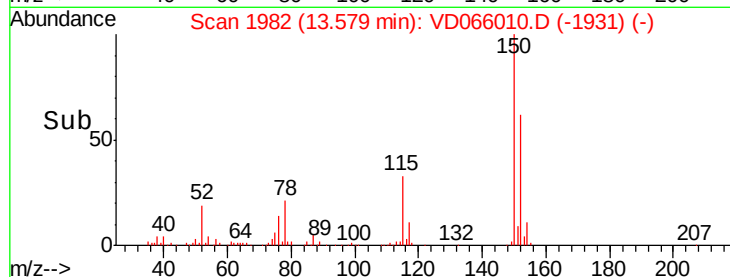
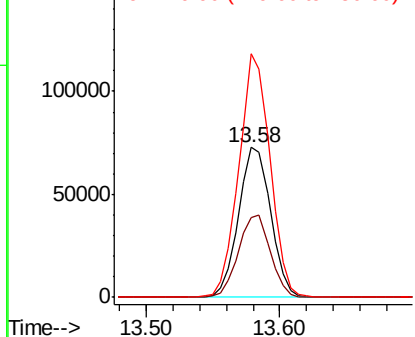
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066010.D
Acq: 22 Jul 2020 19:06

Instrument :
MSVOA_D
ClientSampleId :
RBR-59

Tot Ion:152 Resp: 121222
Ion Ratio Lower Upper
152 100
115 54.3 27.9 83.7
150 157.4 0.0 348.2



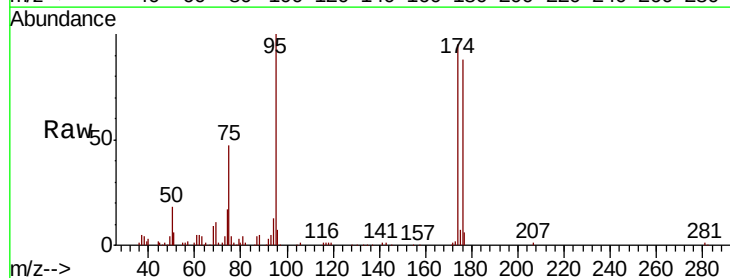
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



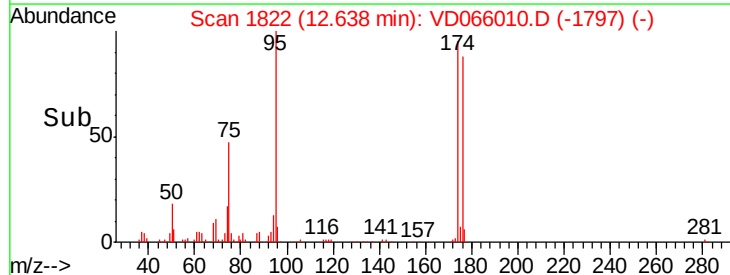
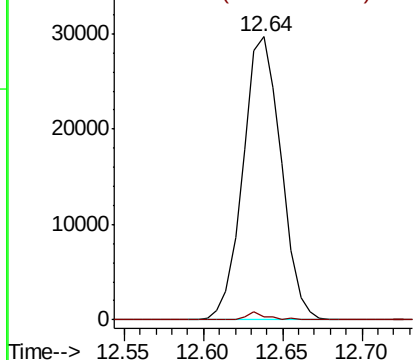
#76

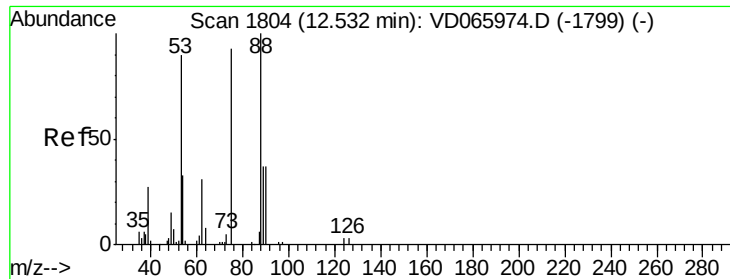
1,2,3-Trichloropropane
Concen: 54.276 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD066010.D
Acq: 22 Jul 2020 19:06

Tgt Ion: 75 Resp: 49540
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 124.545 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066010.D

Acq: 22 Jul 2020 19:06

Instrument :

MSVOA_D

ClientSampleId :

RBR-59

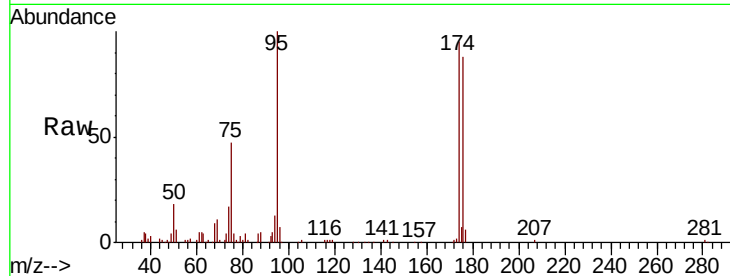
Tot Ion: 75 Resp: 49540

Ion Ratio Lower Upper

75 100

53 0.3 76.8 115.2#

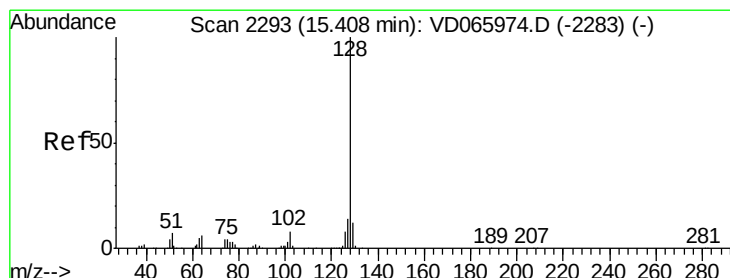
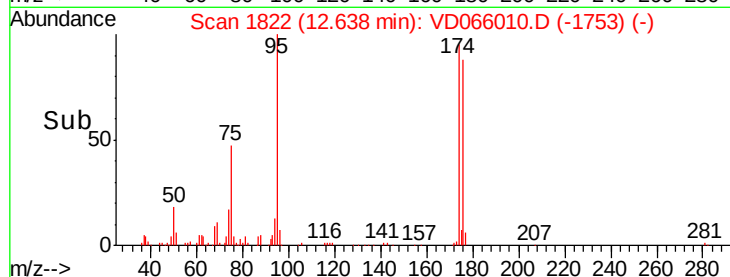
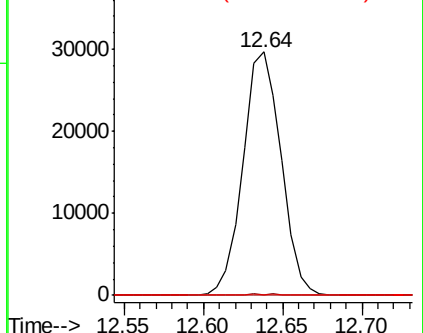
89 0.0 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#95

Naphthalene

Concen: 3.746 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD066010.D

Acq: 22 Jul 2020 19:06

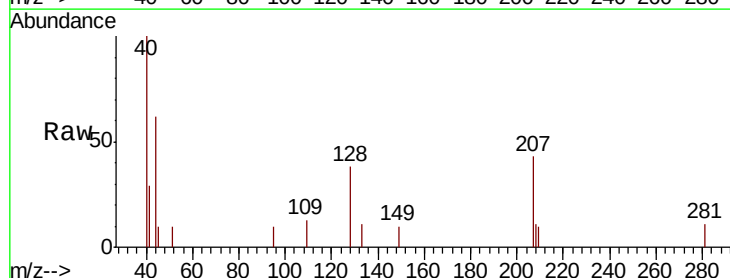
Tgt Ion:128 Resp: 824

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 8.4 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

