

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067069.D
 Acq On : 03 Oct 2020 07:56
 Operator : VA/SY
 Sample : L4230-01
 Misc : 6.67G/5.00ml/MSVOA D/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-29

Quant Time: Oct 03 08:15:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	461903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	779271	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	724529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	328732	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	235421	52.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.84%	
35) Dibromofluoromethane	7.92	113	253926	49.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.54%	
50) Toluene-d8	10.34	98	917986	49.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.63	95	307349	48.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.40%	

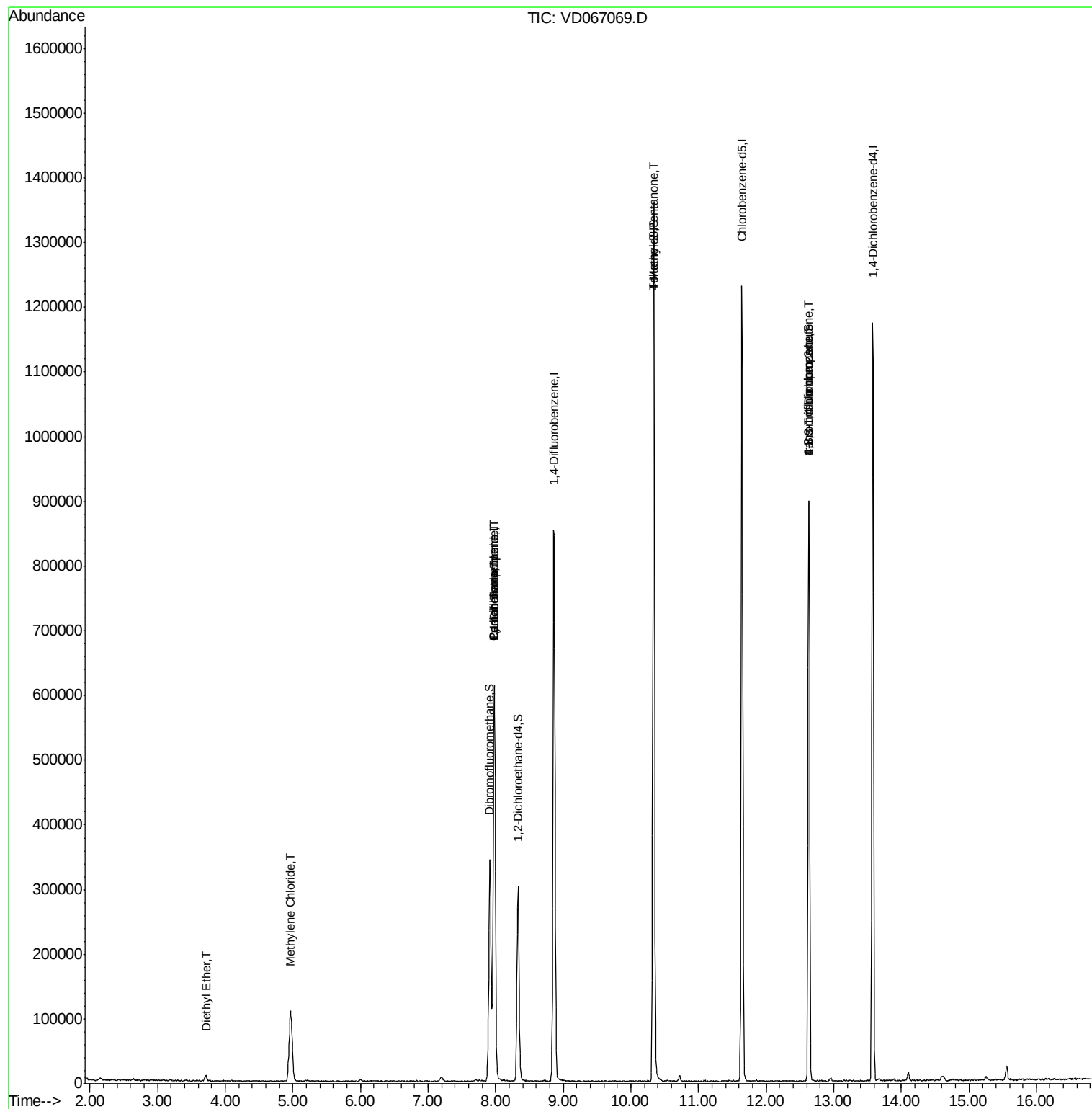
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	101	Below Cal	#	40
5) Bromomethane	2.78	94	272	Below Cal	#	64
8) Diethyl Ether	3.71	74	3942	1.940	ug/l	90
11) Tert butyl alcohol	5.21	59	961	Below Cal	#	72
20) Methylene Chloride	4.97	84	91403	13.681	ug/l	96
26) 2,2-Dichloropropane	7.20	77	392	Below Cal	#	53
31) Cyclohexane	7.98	56	8508	1.273	ug/l #	32
36) 1,1-Dichloropropene	7.97	75	33680	4.637	ug/l #	49
38) Carbon Tetrachloride	7.98	117	47358	6.026	ug/l #	14
51) 4-Methyl-2-Pentanone	10.34	43	3486	1.510	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	146430	51.139	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	146430	127.496	ug/l #	12

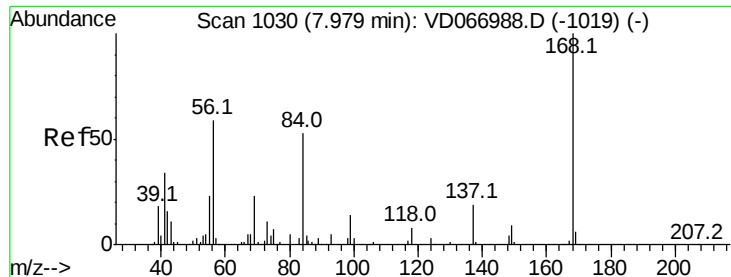
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067069.D

Acq: 03 Oct 2020 07:56

Instrument :

MSVOA_D

ClientSampleId :

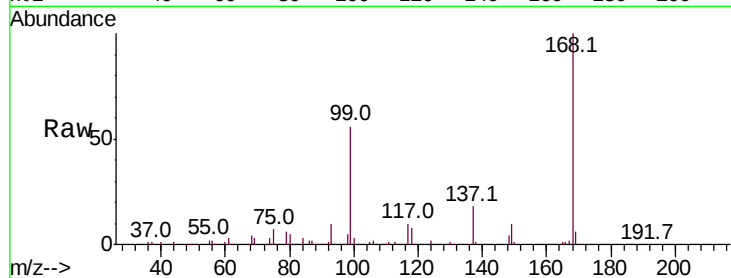
RBR-29

Tot Ion:168 Resp: 461903

Ion Ratio Lower Upper

168 100

99 55.8 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

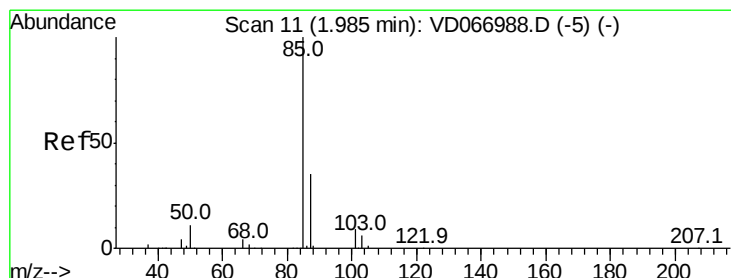
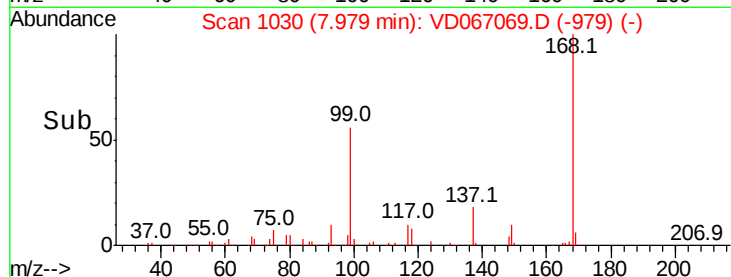
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067069.D

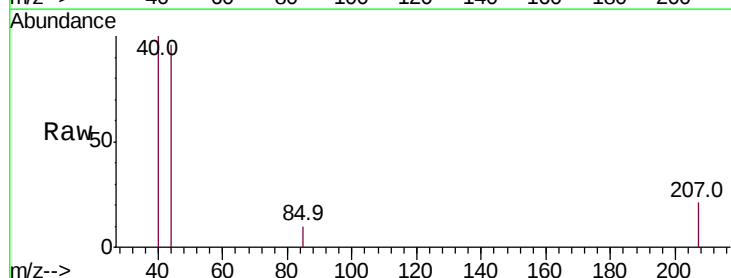
Acq: 03 Oct 2020 07:56

Tgt Ion: 85 Resp: 101

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

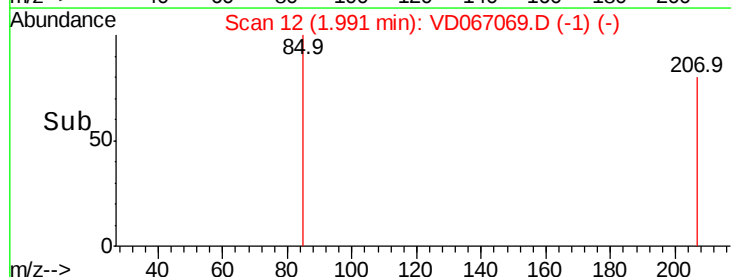
300

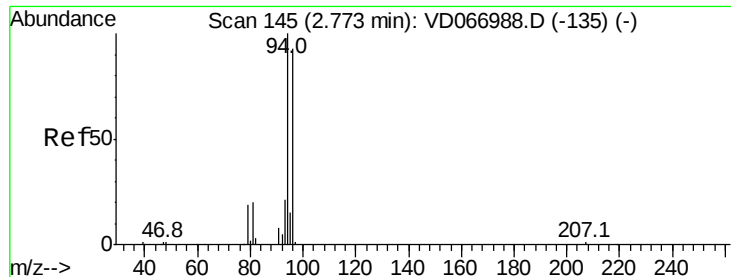
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067069.D

Acq: 03 Oct 2020 07:56

Instrument :

MSVOA_D

ClientSampleId :

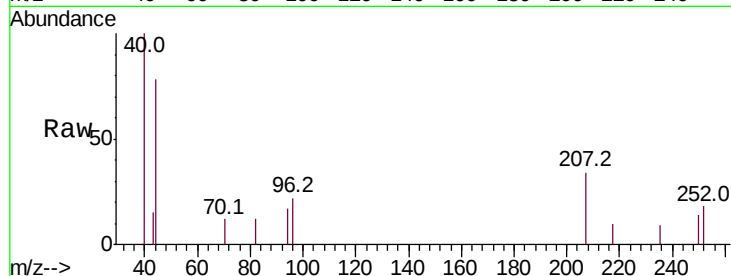
RBR-29

Tot Ion: 94 Resp: 272

Ion Ratio Lower Upper

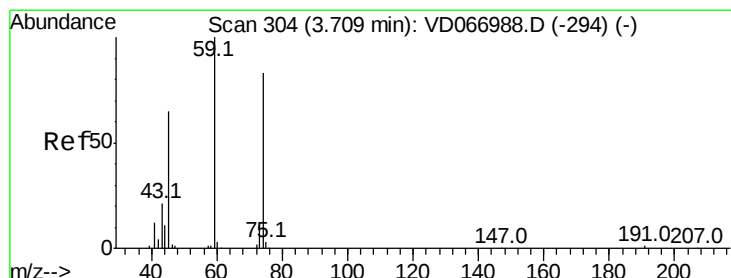
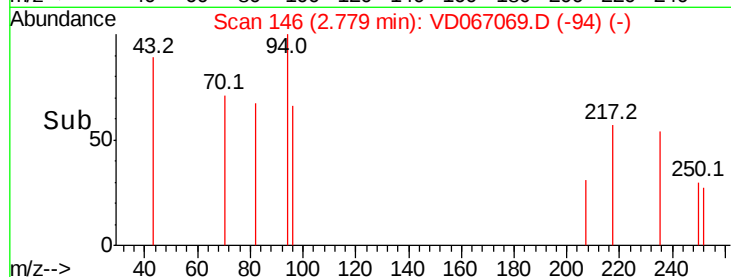
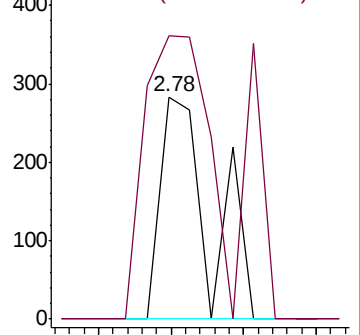
94 100

96 127.6 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#8

Diethyl Ether

Concen: 1.940 ug/l

RT: 3.71 min Scan# 305

Delta R.T. 0.01 min

Lab File: VD067069.D

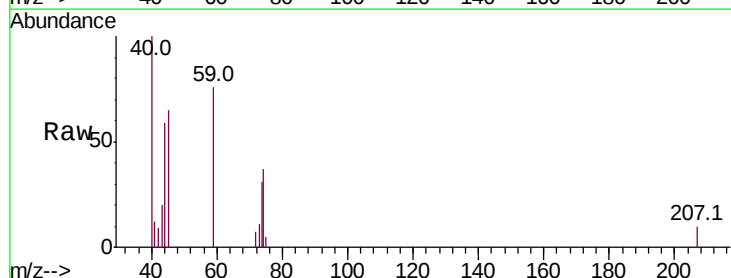
Acq: 03 Oct 2020 07:56

Tgt Ion: 74 Resp: 3942

Ion Ratio Lower Upper

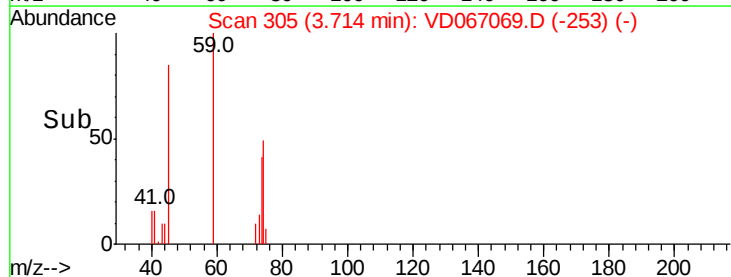
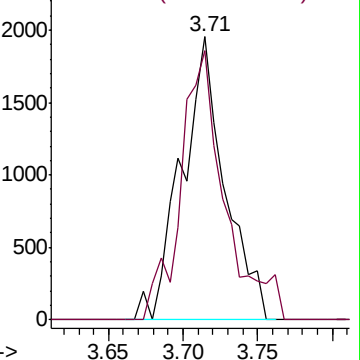
74 100

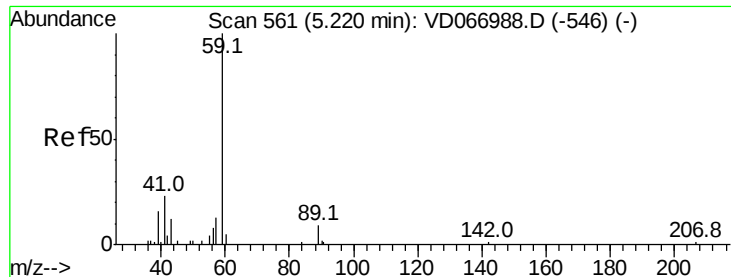
45 95.7 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



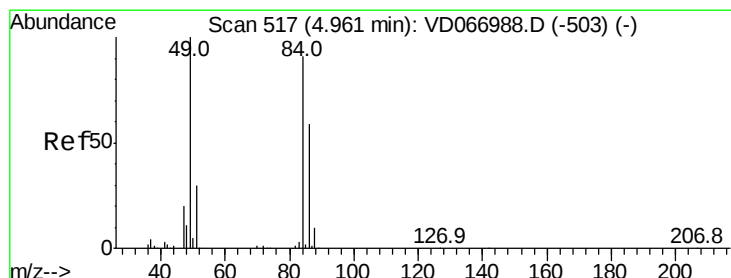
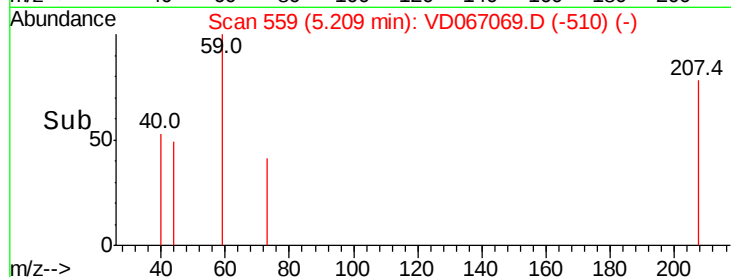
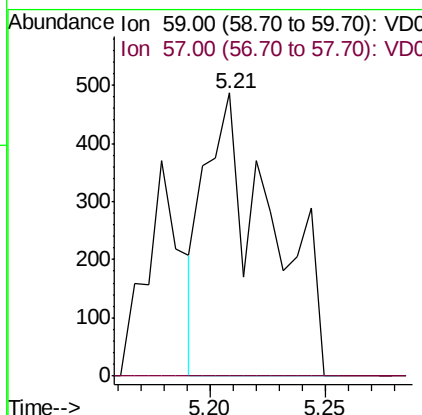
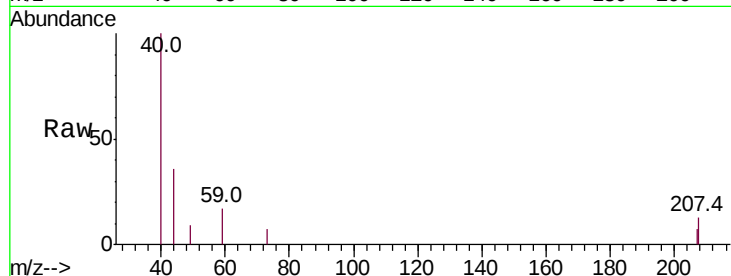


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD067069.D
 Acq: 03 Oct 2020 07:56

Instrument :
 MSVOA_D
 ClientSampleID :
 RBR-29

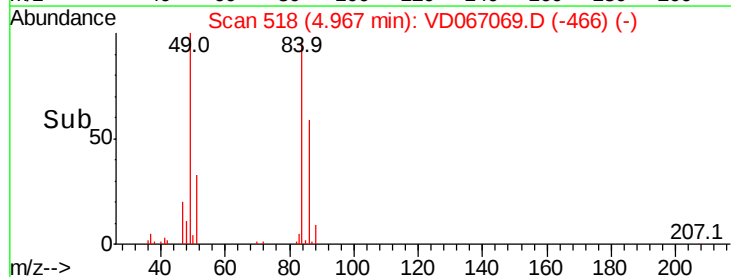
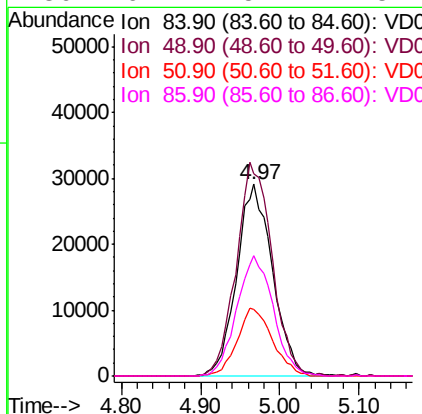
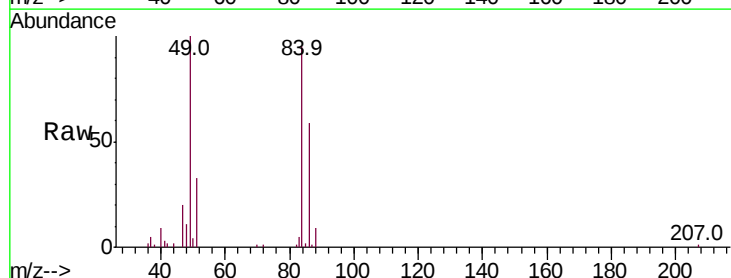
Tot Ion: 59 Resp: 961
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

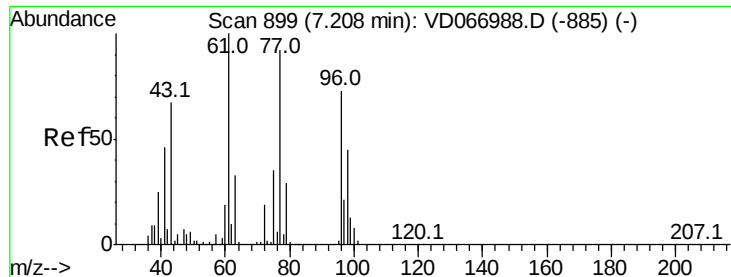


#20

Methylene Chloride
 Concen: 13.681 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD067069.D
 Acq: 03 Oct 2020 07:56

Tgt Ion: 84 Resp: 91403
 Ion Ratio Lower Upper
 84 100
 49 105.6 88.2 132.2
 51 34.7 26.6 39.8
 86 62.7 52.1 78.1





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD067069.D

Acq: 03 Oct 2020 07:56

Instrument :

MSVOA_D

ClientSampleId :

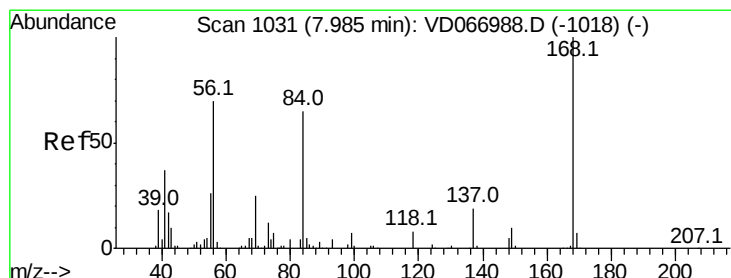
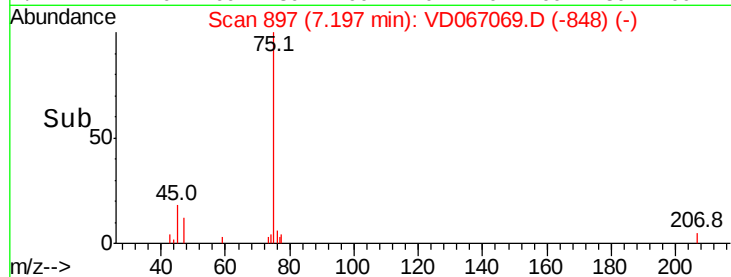
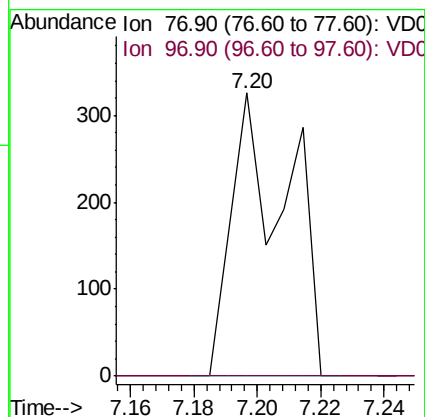
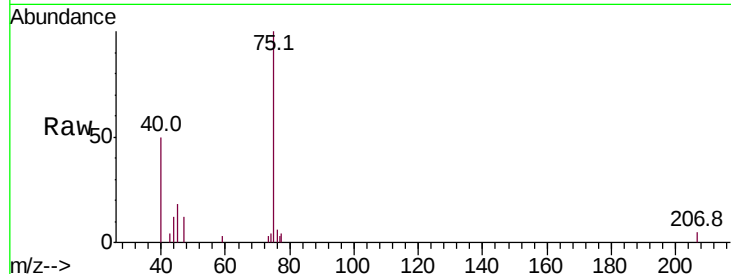
RBR-29

Tot Ion: 77 Resp: 392

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#31

Cyclohexane

Concen: 1.273 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067069.D

Acq: 03 Oct 2020 07:56

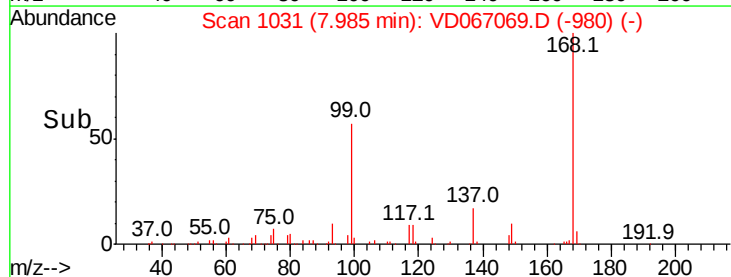
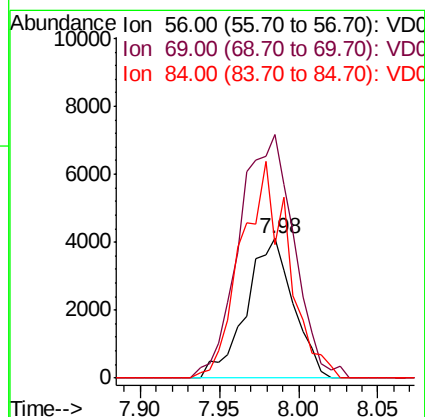
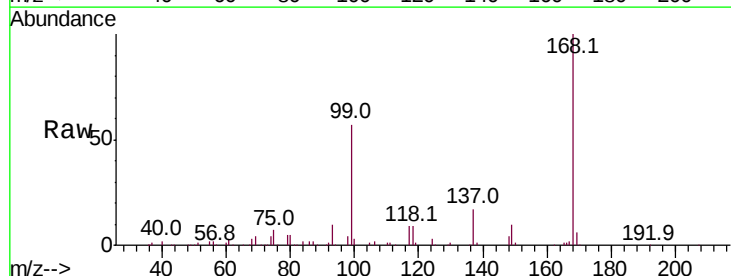
Tgt Ion: 56 Resp: 8508

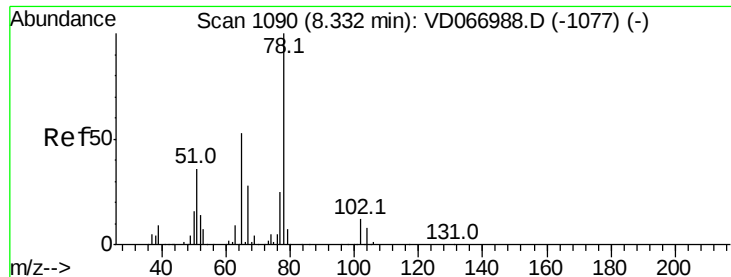
Ion Ratio Lower Upper

56 100

69 174.4 29.0 43.6#

84 95.9 74.2 111.2

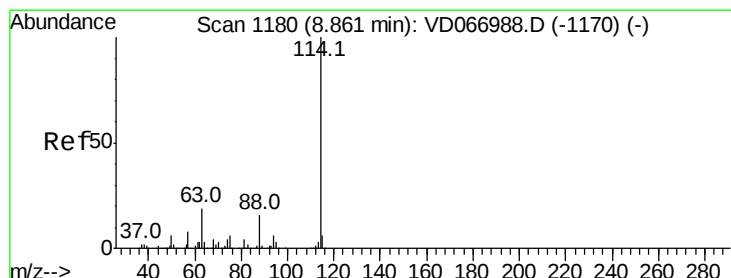
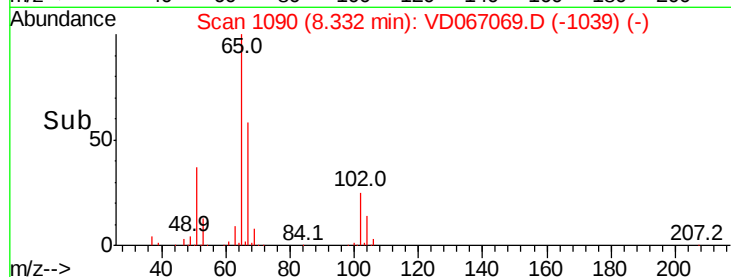
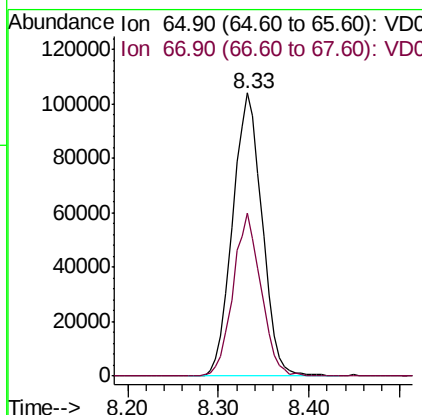
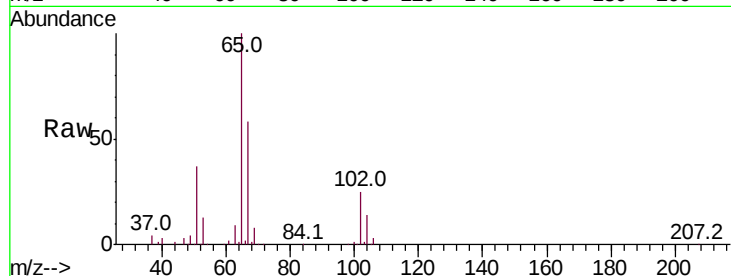




#33
 1,2-Dichloroethane-d4
 Concen: 52.915 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067069.D
 Acq: 03 Oct 2020 07:56

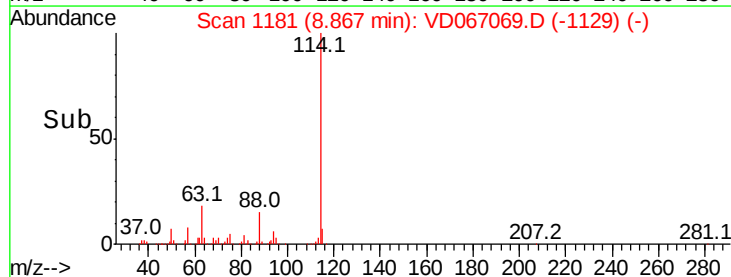
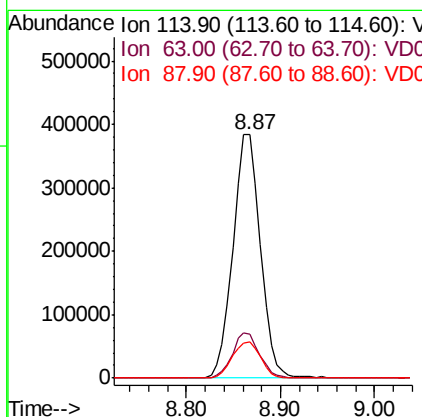
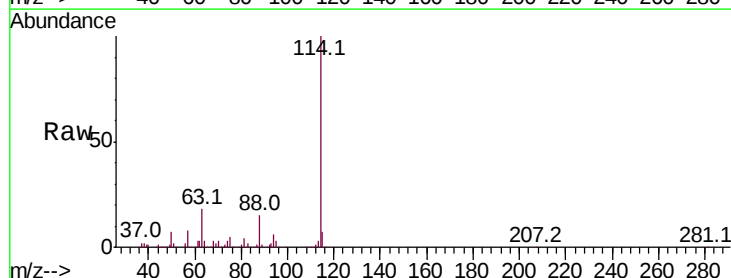
Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-29

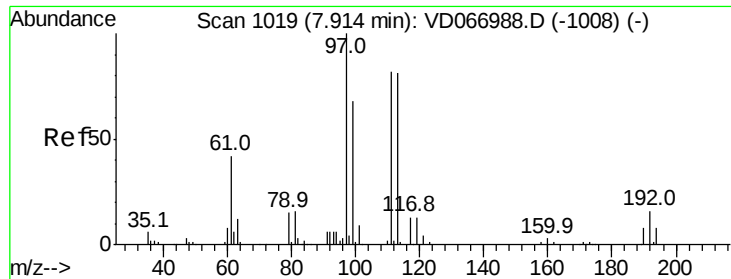
Tot Ion: 65 Resp: 235421
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067069.D
 Acq: 03 Oct 2020 07:56

Tgt Ion: 114 Resp: 779271
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 38.4
 88 14.9 0.0 31.2

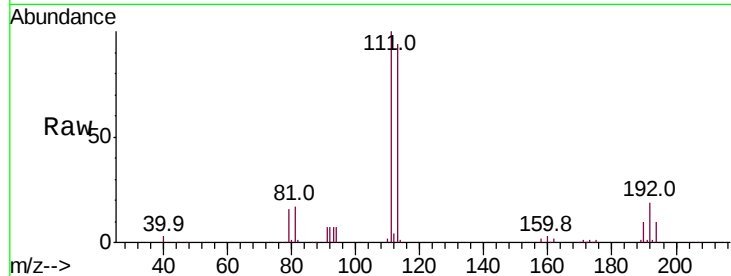




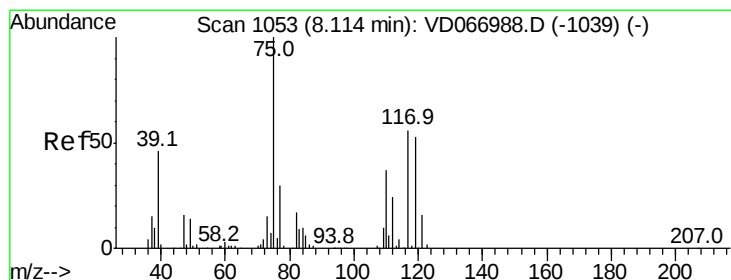
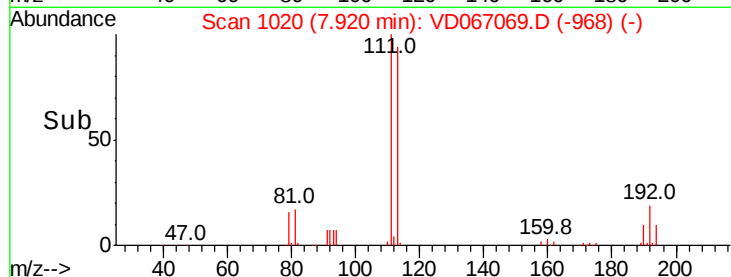
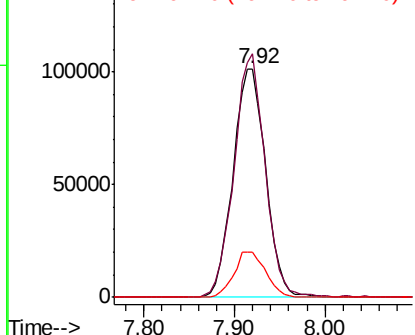
#35
 Dibromofluoromethane
 Concen: 49.772 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067069.D
 Acq: 03 Oct 2020 07:56

Instrument :
 MSVOA_D
 ClientSampleID :
 RBR-29

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	83.0	124.4
192	19.5	15.5	23.3

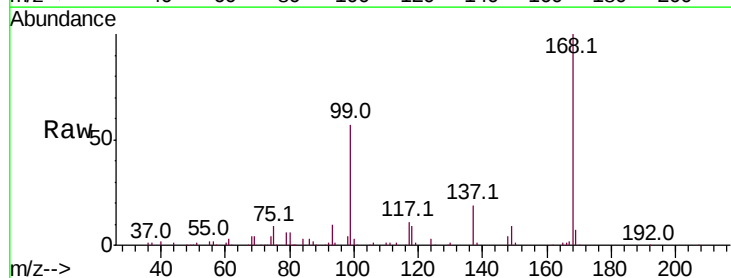


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

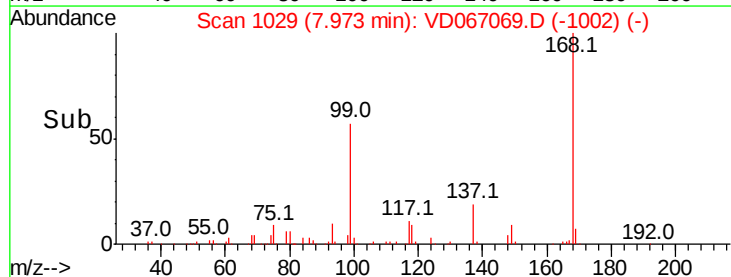
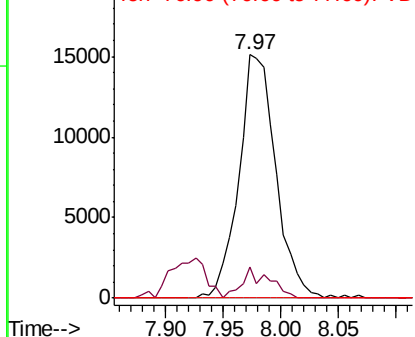


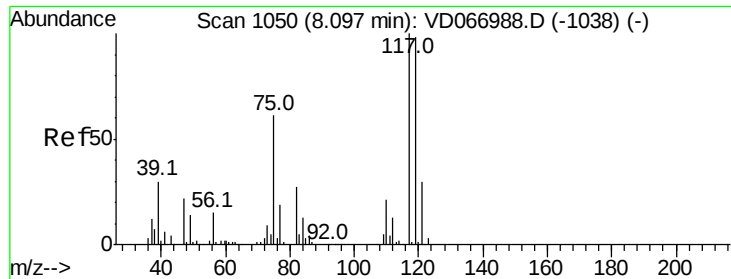
#36
 1,1-Dichloropropene
 Concen: 4.637 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD067069.D
 Acq: 03 Oct 2020 07:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.4	55.0#
77	0.0	24.8	37.2#



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: 6.026 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067069.D

Acq: 03 Oct 2020 07:56

Instrument :

MSVOA_D

ClientSampleId :

RBR-29

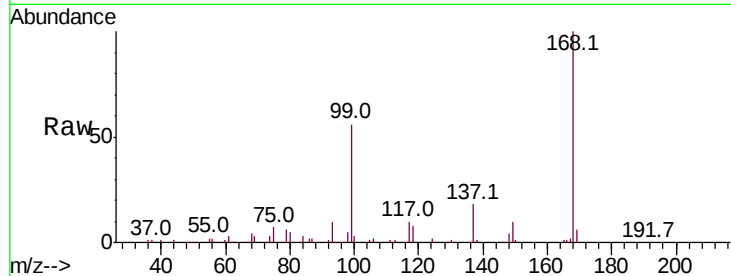
Tot Ion:117 Resp: 47358

Ion Ratio Lower Upper

117 100

119 3.4 78.7 118.1#

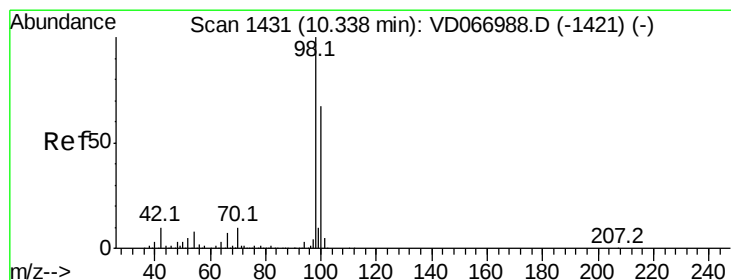
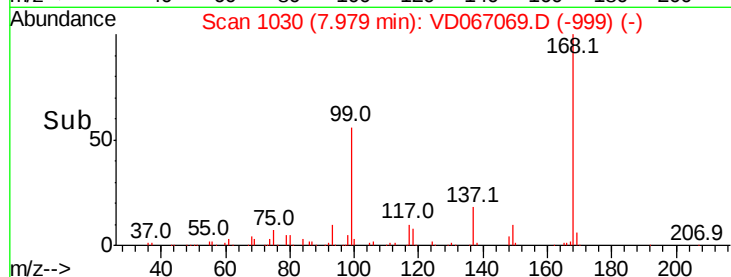
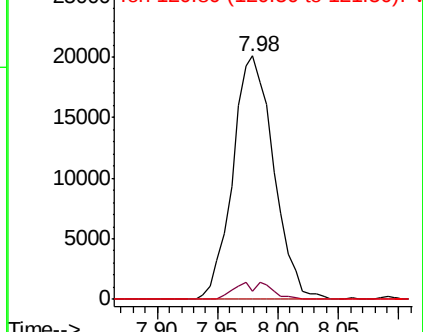
121 0.0 24.2 36.2#



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: 49.380 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067069.D

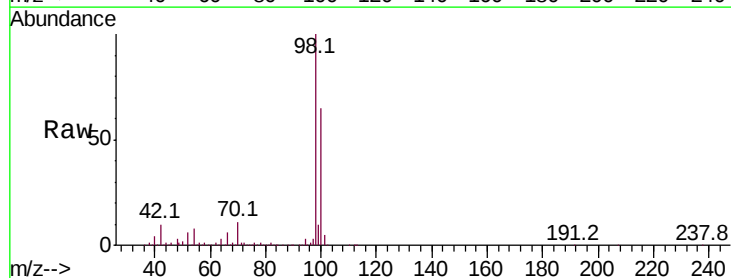
Acq: 03 Oct 2020 07:56

Tgt Ion: 98 Resp: 917986

Ion Ratio Lower Upper

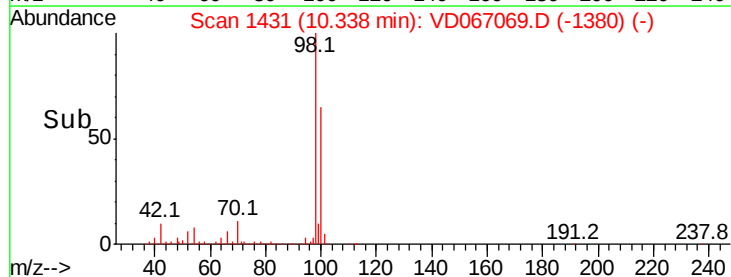
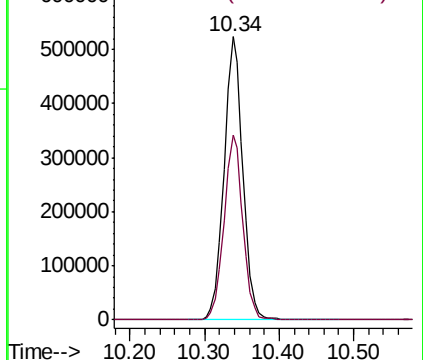
98 100

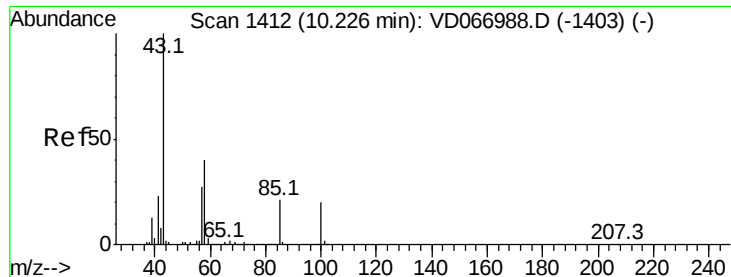
100 65.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

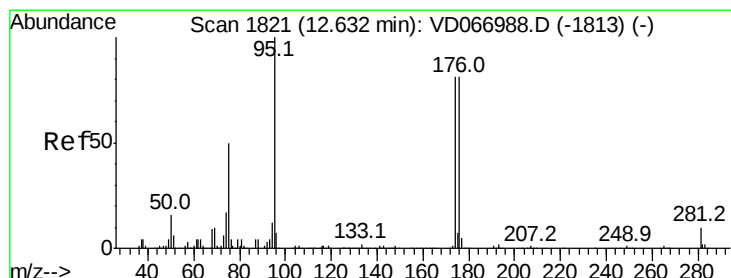
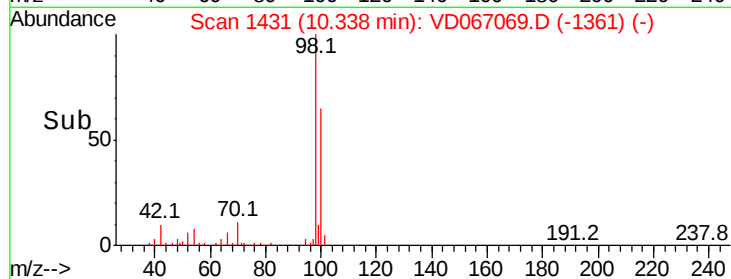
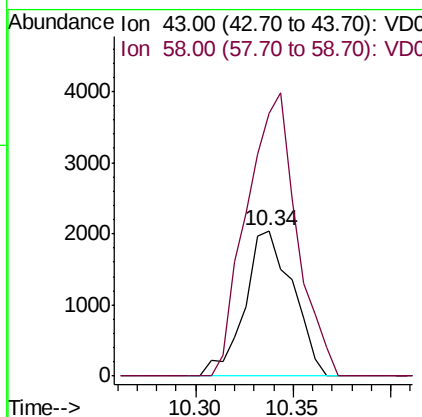
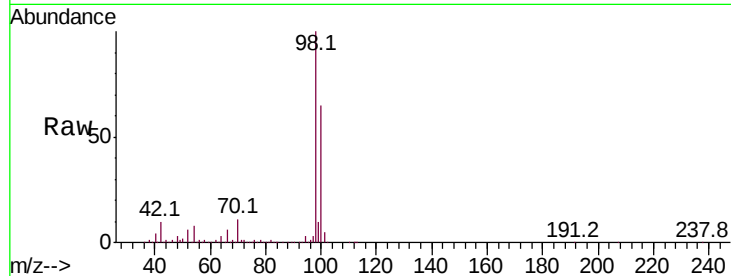




#51
4-Methyl-2-Pentanone
Concen: 1.510 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD067069.D
Acq: 03 Oct 2020 07:56

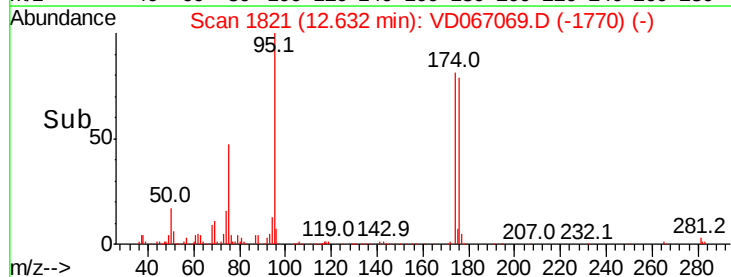
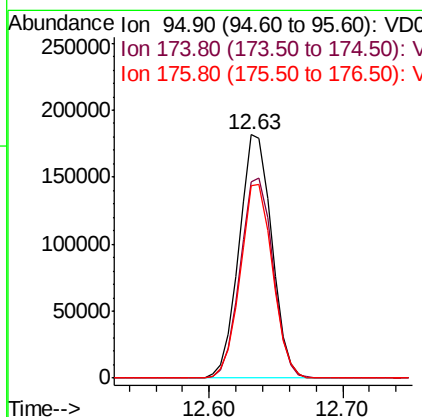
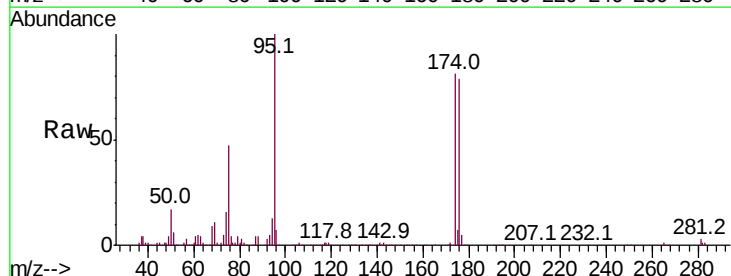
Instrument :
MSVOA_D
ClientSampled :
RBR-29

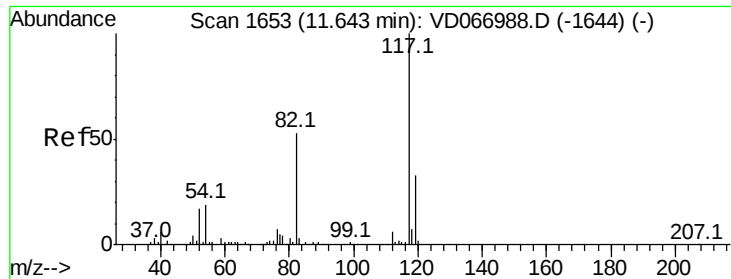
Tot Ion: 43 Resp: 3486
Ion Ratio Lower Upper
43 100
58 202.9 33.8 50.8#



#62
4-Bromofluorobenzene
Concen: 48.701 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD067069.D
Acq: 03 Oct 2020 07:56

Tgt Ion: 95 Resp: 307349
Ion Ratio Lower Upper
95 100
174 82.4 0.0 167.6
176 78.6 0.0 162.4

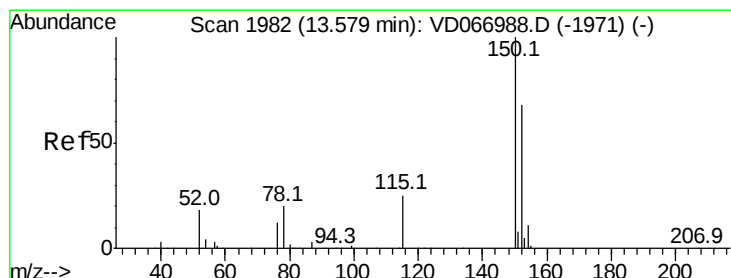
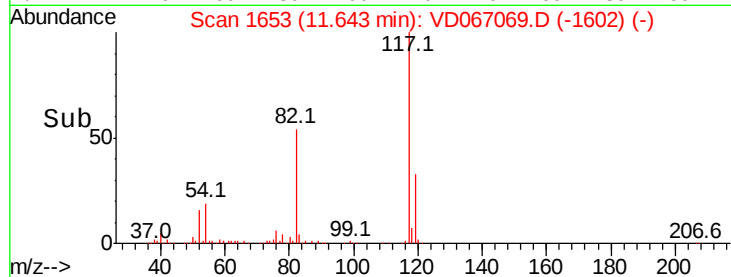
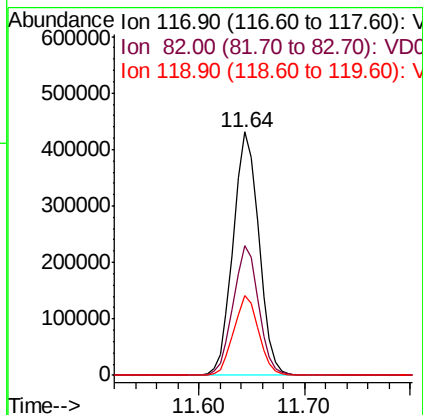
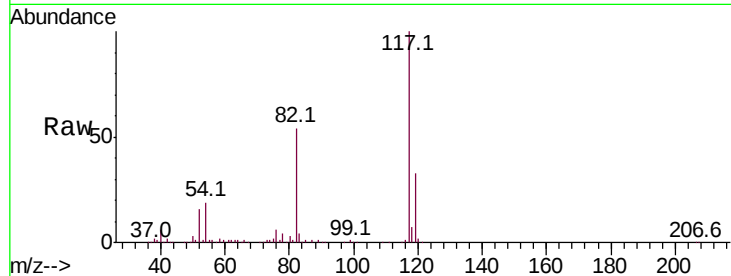




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067069.D
Acq: 03 Oct 2020 07:56

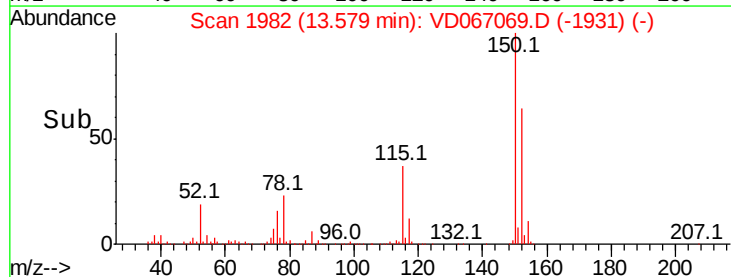
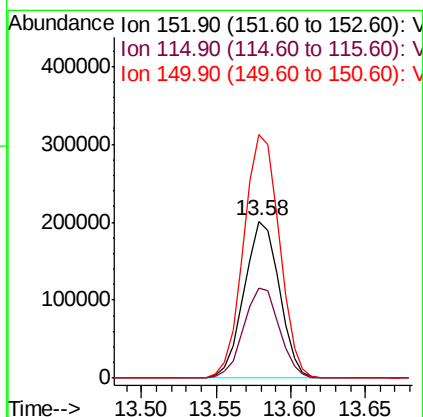
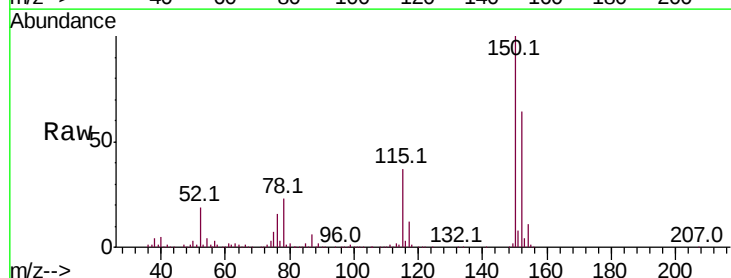
Instrument :
MSVOA_D
ClientSampled :
RBR-29

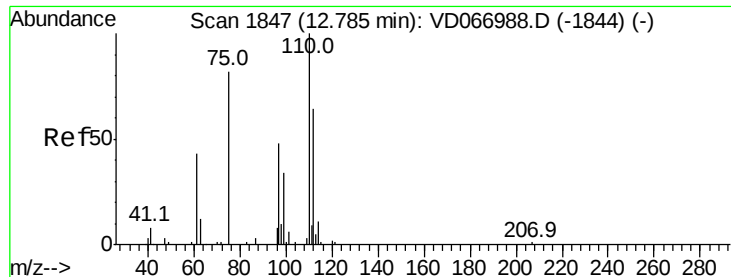
Tot Ion:117 Resp: 724529
Ion Ratio Lower Upper
117 100
82 53.5 42.6 63.8
119 32.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067069.D
Acq: 03 Oct 2020 07:56

Tgt Ion:152 Resp: 328732
Ion Ratio Lower Upper
152 100
115 57.9 29.6 88.8
150 157.7 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 51.139 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067069.D

Acq: 03 Oct 2020 07:56

Instrument :

MSVOA_D

ClientSampleId :

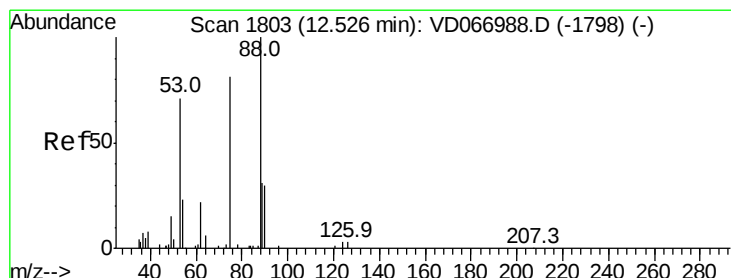
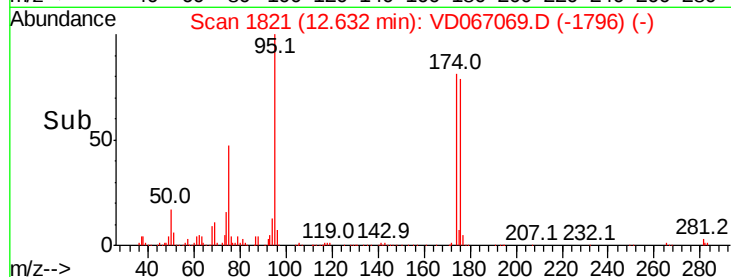
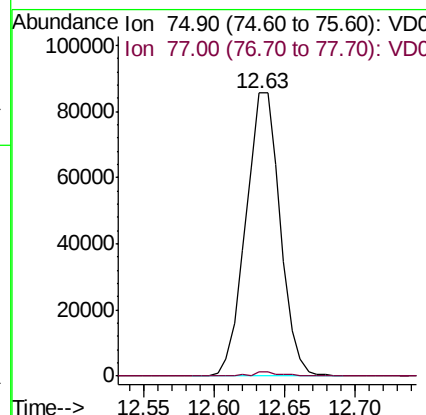
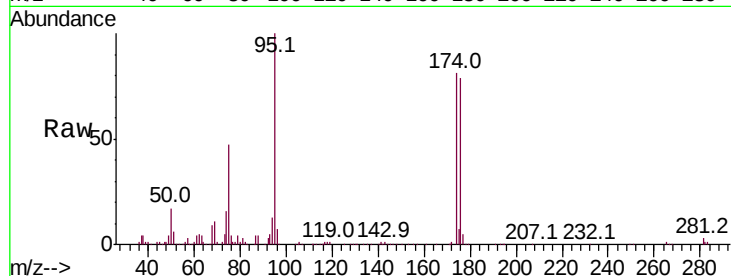
RBR-29

Tot Ion: 75 Resp: 146430

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 127.496 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067069.D

Acq: 03 Oct 2020 07:56

Tgt Ion: 75 Resp: 146430

Ion Ratio Lower Upper

75 100

53 0.2 73.8 110.6#

89 0.0 38.9 58.3#

