

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100820\
 Data File : VD067195.D
 Acq On : 08 Oct 2020 15:31
 Operator : VA/SY
 Sample : L4297-04
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-RBR-200034

Quant Time: Oct 09 03:04:52 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	360541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	551331	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	491642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	225108	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	152164	43.82	ug/l	0.00
Spiked Amount			Recovery	=	87.64%	
35) Dibromofluoromethane	7.92	113	170097	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	
50) Toluene-d8	10.34	98	635581	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
62) 4-Bromofluorobenzene	12.64	95	198983	44.57	ug/l	0.00
Spiked Amount			Recovery	=	89.14%	

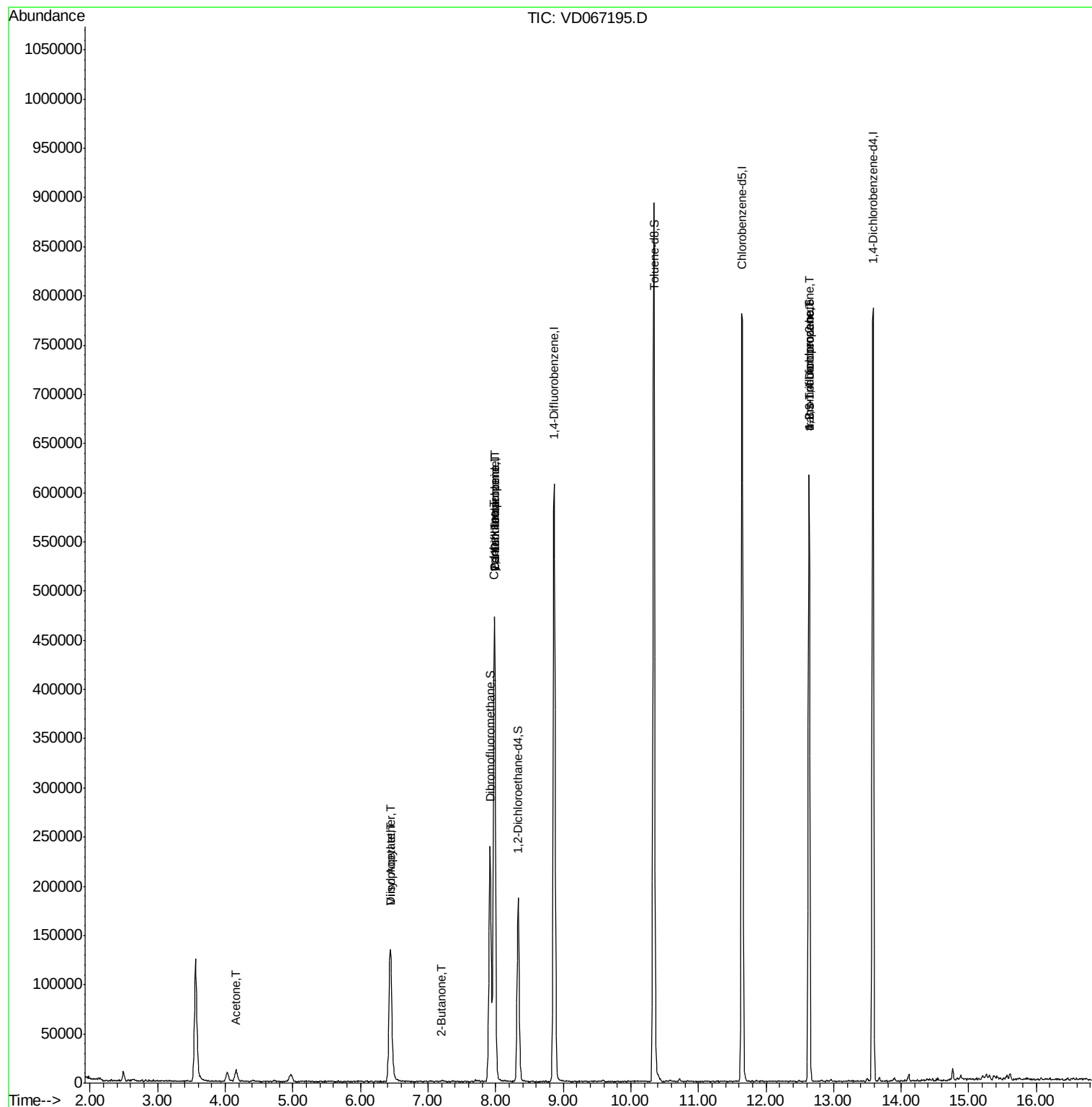
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	331	Below Cal	#	40
5) Bromomethane	2.77	94	103	Below Cal	#	68
11) Tert butyl alcohol	5.21	59	67	Below Cal	#	72
16) Acetone	4.16	43	19996	37.720	ug/l	94
20) Methylene Chloride	4.96	84	6344	Below Cal	#	83
22) Diisopropyl ether	6.44	45	10156	1.260	ug/l	# 1
23) Vinyl Acetate	6.44	43	26585	5.820	ug/l	# 68
25) 2-Butanone	7.21	43	760	1.011	ug/l	# 46
31) Cyclohexane	7.97	56	6937	1.330	ug/l	# 26
36) 1,1-Dichloropropene	7.98	75	25408	4.944	ug/l	# 51
38) Carbon Tetrachloride	7.98	117	37306	6.709	ug/l	# 14
76) 1,2,3-Trichloropropane	12.64	75	101984	52.012	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	101984	129.673	ug/l	# 12

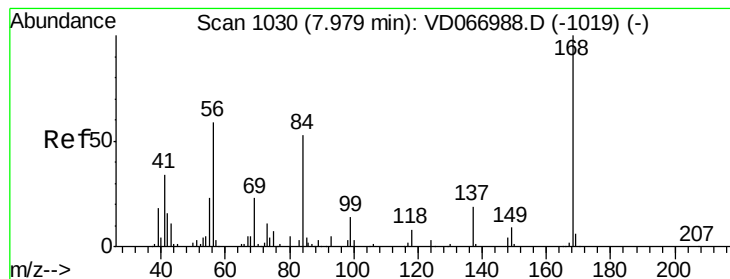
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100820\
Data File : VD067195.D
Acq On : 08 Oct 2020 15:31
Operator : VA/SY
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Quant Time: Oct 09 03:04:52 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
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: VD067195.D

Acq: 08 Oct 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

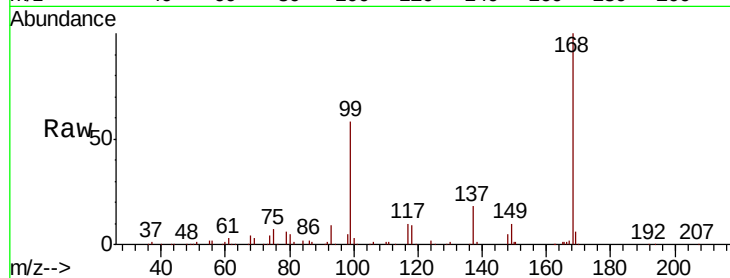
RO-RBR-200034

Tot Ion:168 Resp: 360541

Ion Ratio Lower Upper

168 100

99 57.8 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

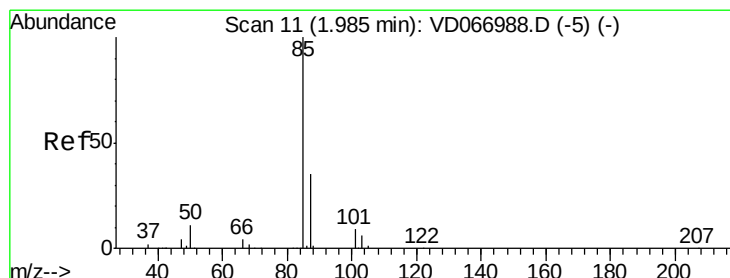
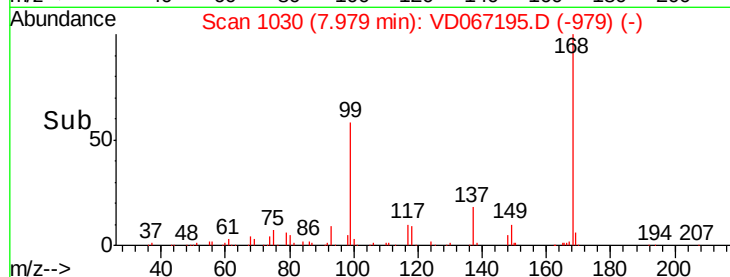
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD067195.D

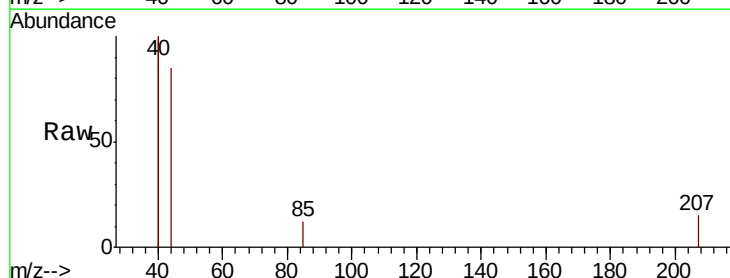
Acq: 08 Oct 2020 15:31

Tgt Ion: 85 Resp: 331

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

1.98

300

250

200

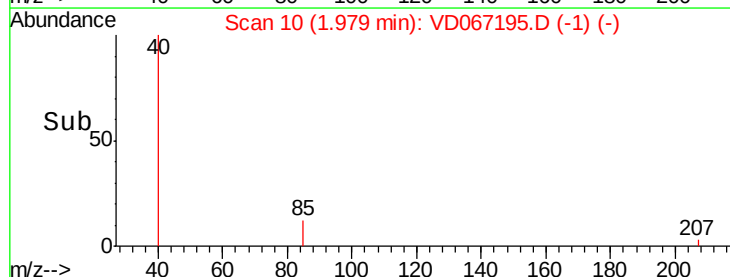
150

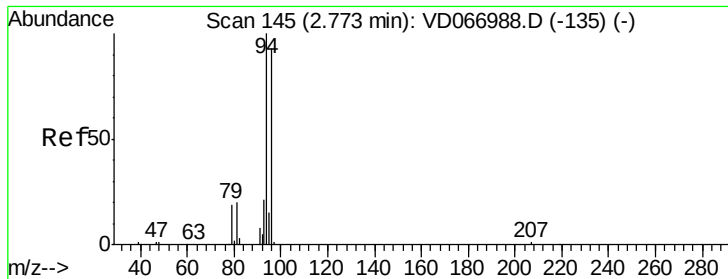
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067195.D

Acq: 08 Oct 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

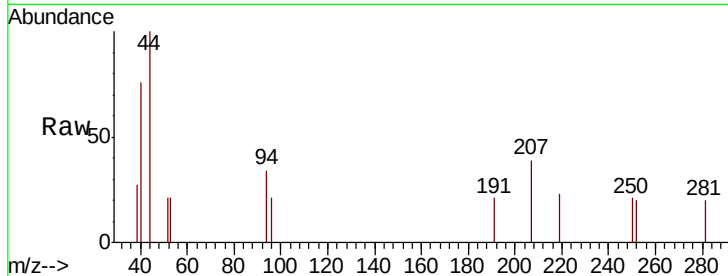
RO-RBR-200034

Tot Ion: 94 Resp: 103

Ion Ratio Lower Upper

94 100

96 62.7 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

300

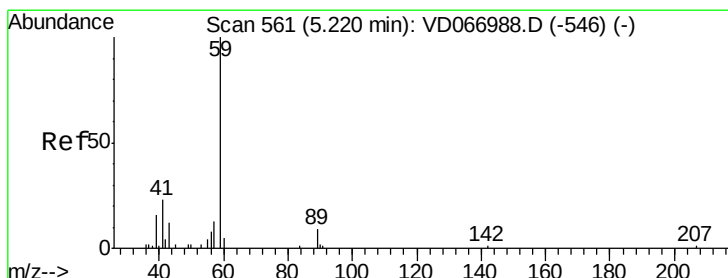
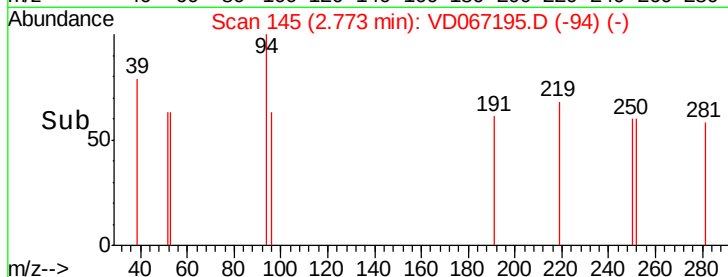
200

100

0

2.76 2.77 2.78

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD067195.D

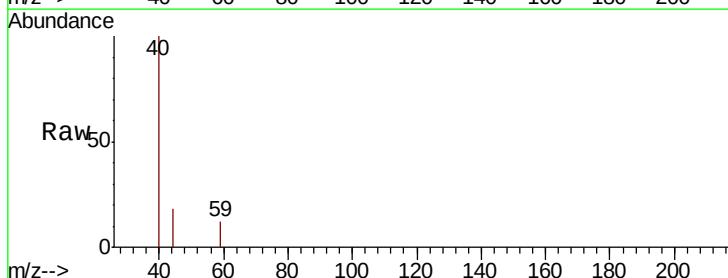
Acq: 08 Oct 2020 15:31

Tgt Ion: 59 Resp: 67

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.21

200

150

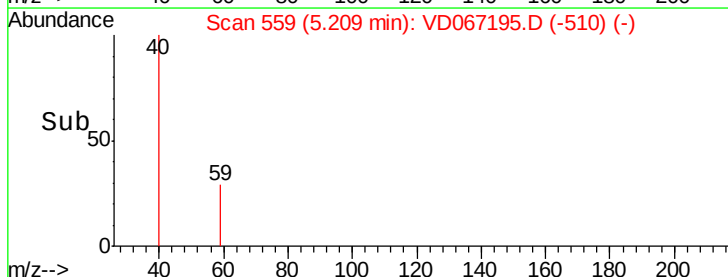
100

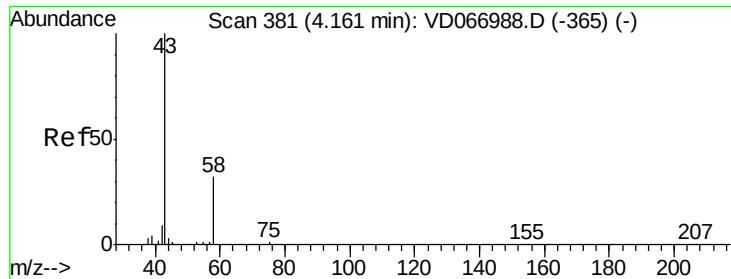
50

0

5.19 5.20 5.21 5.22

Time-->





#16

Acetone

Concen: 37.720 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067195.D

Acq: 08 Oct 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

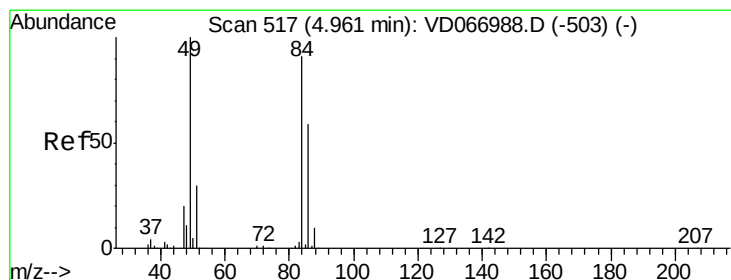
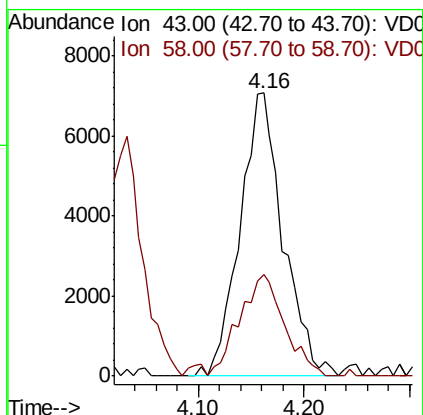
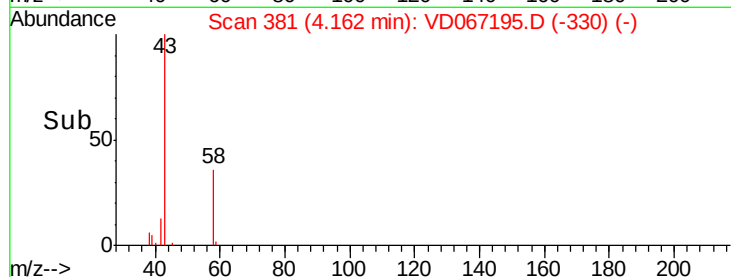
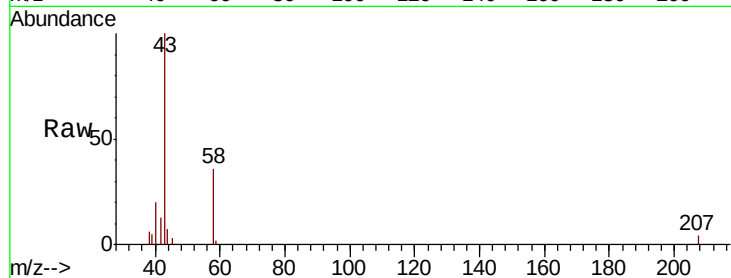
RO-RBR-200034

Tot Ion: 43 Resp: 19996

Ion Ratio Lower Upper

43 100

58 35.9 25.9 38.9



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067195.D

Acq: 08 Oct 2020 15:31

Tgt Ion: 84 Resp: 6344

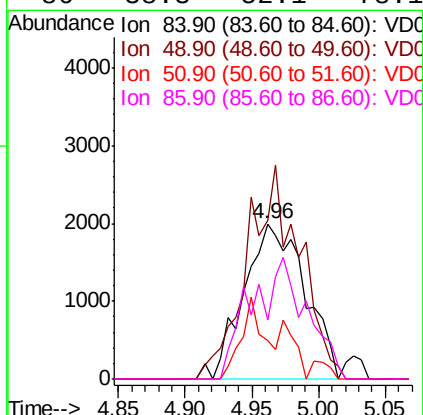
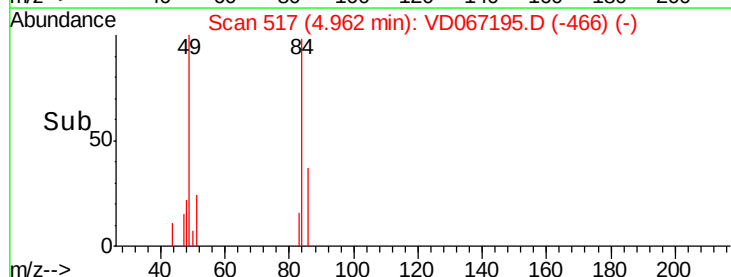
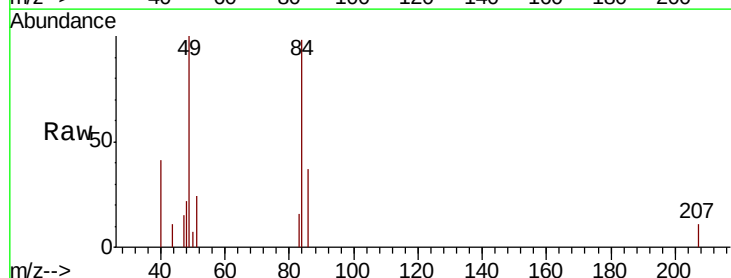
Ion Ratio Lower Upper

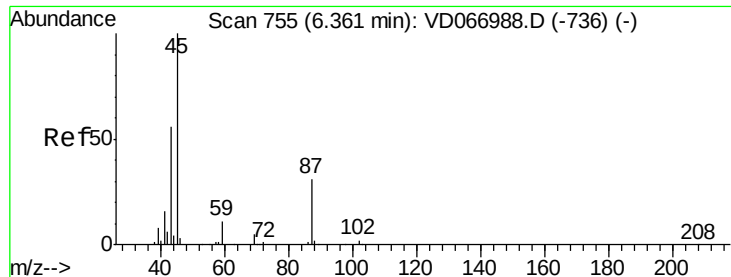
84 100

49 102.6 88.2 132.2

51 24.7 26.6 39.8#

86 38.3 52.1 78.1#





#22

Diisopropyl ether

Concen: 1.260 ug/l

RT: 6.44 min Scan# 768

Delta R.T. 0.08 min

Lab File: VD067195.D

Acq: 08 Oct 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

RO-RBR-200034

Tot Ion: 45 Resp: 10156

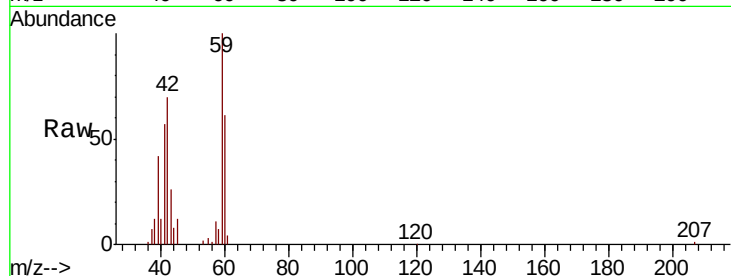
Ion Ratio Lower Upper

45 100

43 222.1 45.2 67.8#

87 0.0 25.6 38.4#

59 837.8 9.1 13.7#

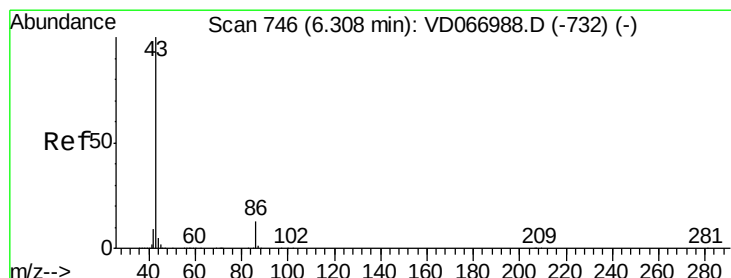
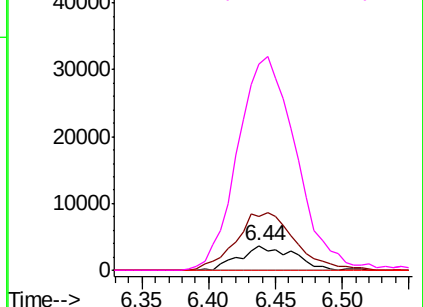
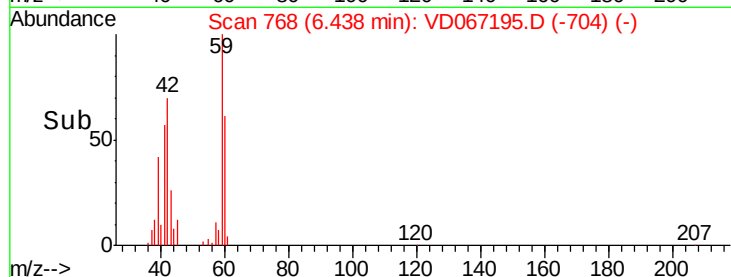


Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC



#23

Vinyl Acetate

Concen: 5.820 ug/l

RT: 6.44 min Scan# 769

Delta R.T. 0.14 min

Lab File: VD067195.D

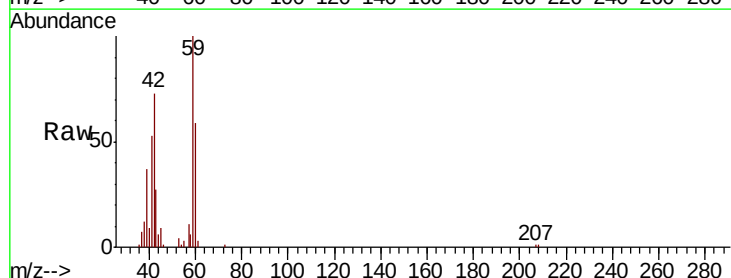
Acq: 08 Oct 2020 15:31

Tgt Ion: 43 Resp: 26585

Ion Ratio Lower Upper

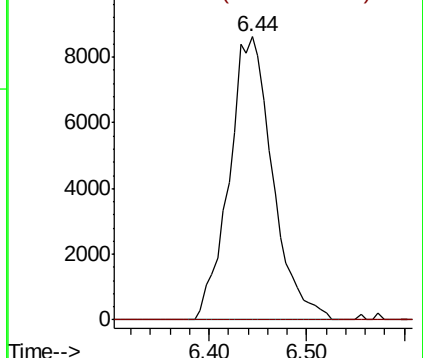
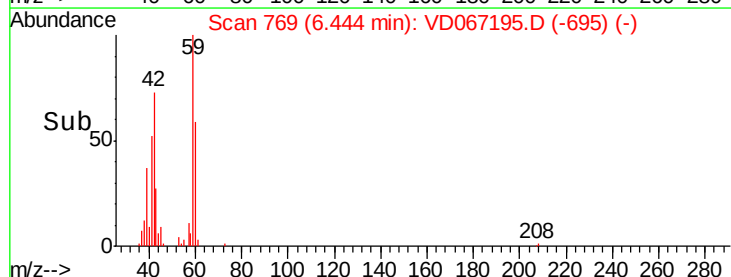
43 100

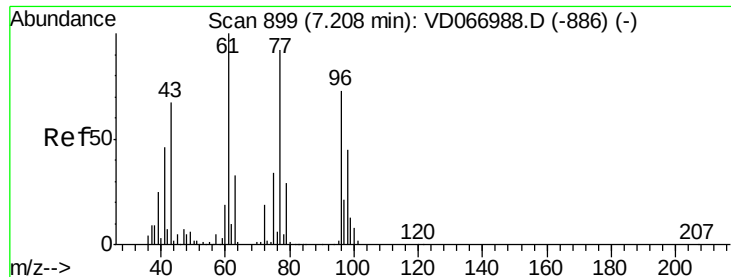
86 0.0 10.2 15.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC





#25

2-Butanone

Concen: 1.011 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067195.D

Acq: 08 Oct 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

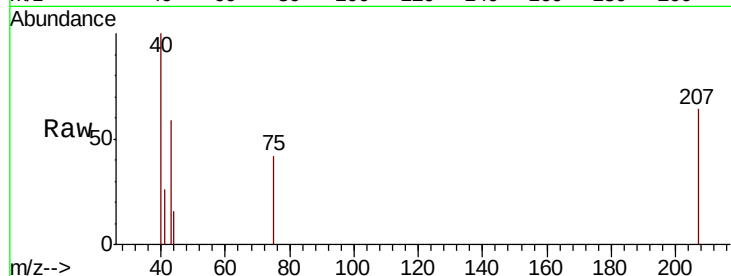
RO-RBR-200034

Tot Ion: 43 Resp: 760

Ion Ratio Lower Upper

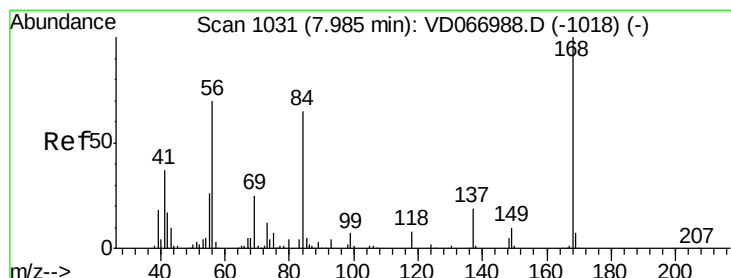
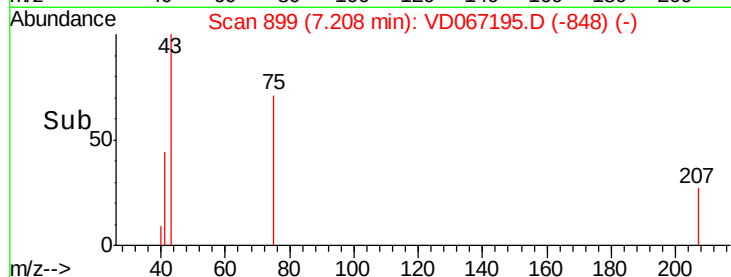
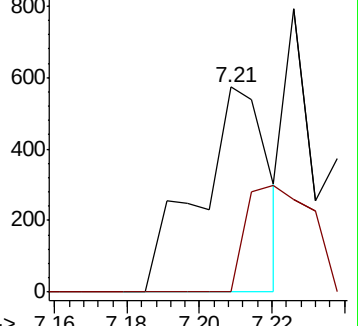
43 100

72 0.0 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.330 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD067195.D

Acq: 08 Oct 2020 15:31

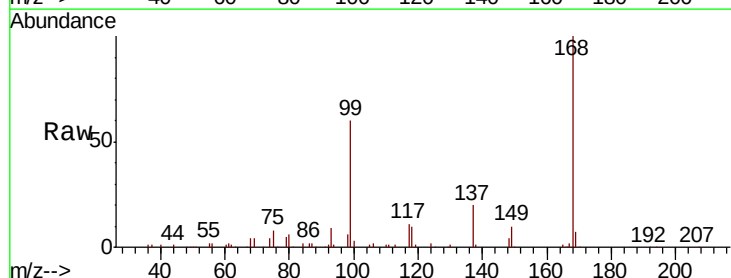
Tgt Ion: 56 Resp: 6937

Ion Ratio Lower Upper

56 100

69 179.5 29.0 43.6#

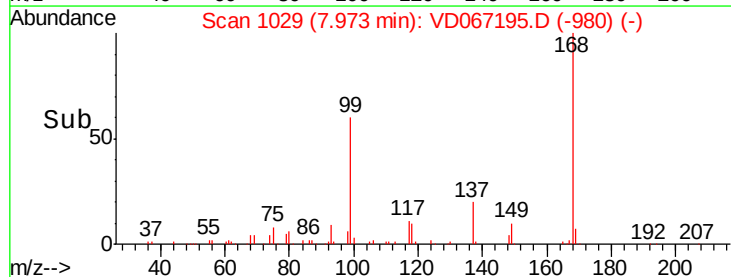
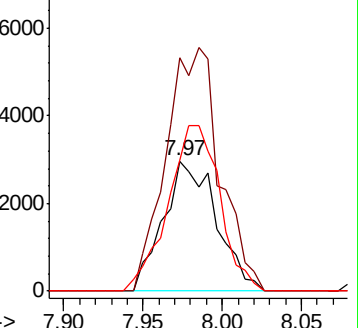
84 100.7 74.2 111.2

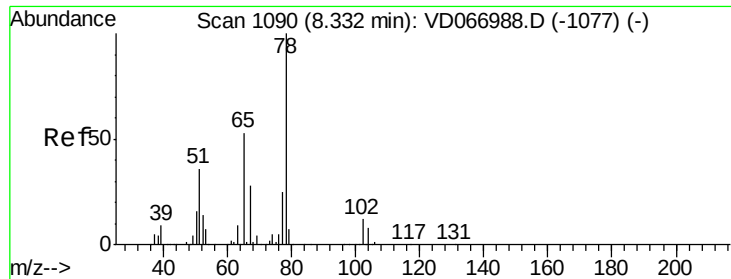


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

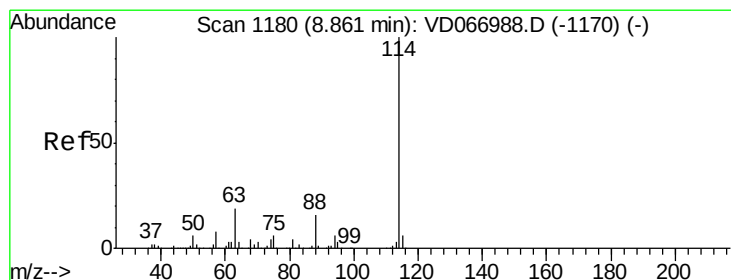
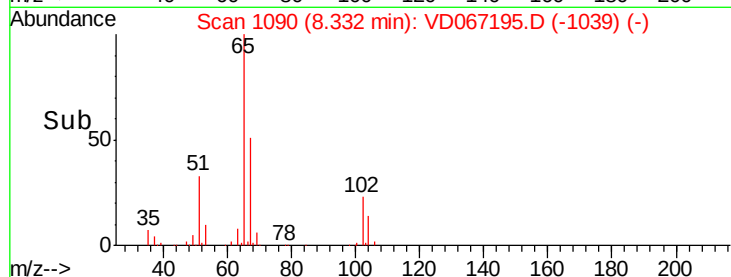
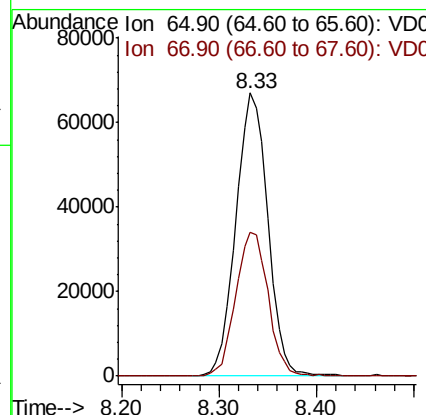
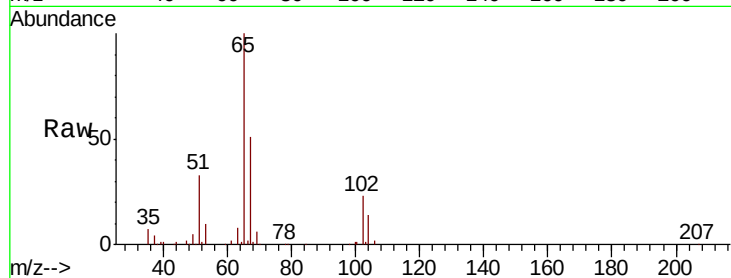




#33
 1,2-Dichloroethane-d4
 Concen: 43.817 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067195.D
 Acq: 08 Oct 2020 15:31

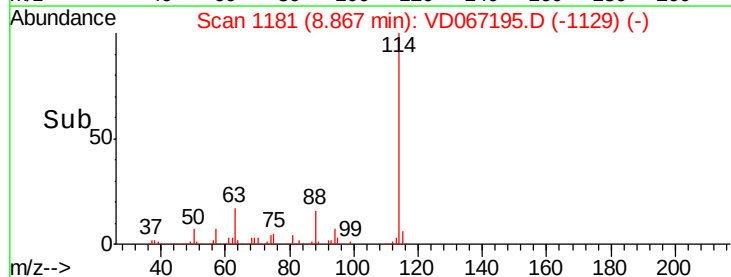
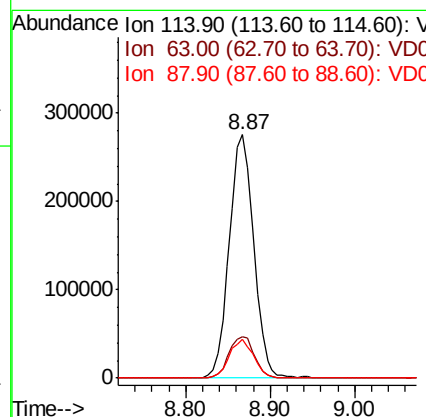
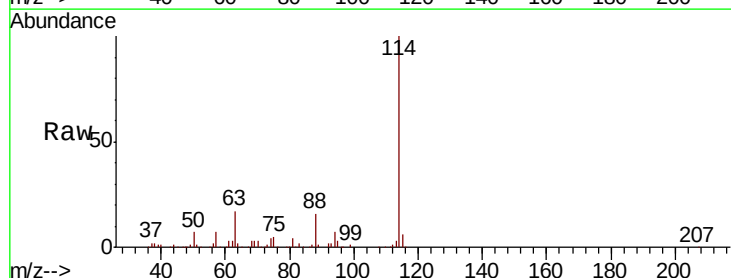
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-RBR-200034

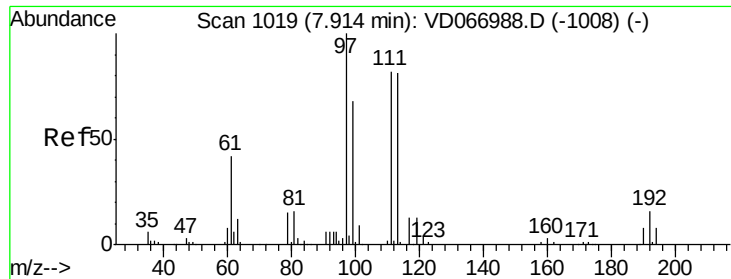
Tot Ion: 65 Resp: 152164
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067195.D
 Acq: 08 Oct 2020 15:31

Tgt Ion: 114 Resp: 551331
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 38.4
 88 15.7 0.0 31.2

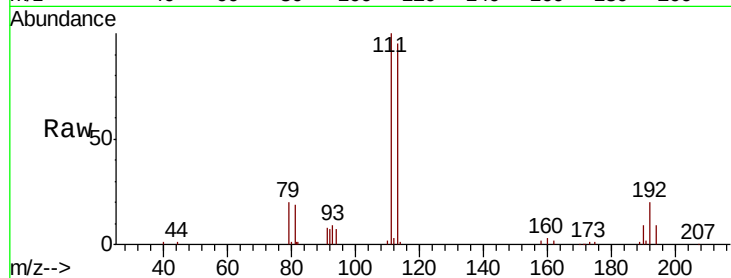




#35
Dibromofluoromethane
Concen: 47.125 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067195.D
Acq: 08 Oct 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
RO-RBR-200034

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.0	124.4
192	20.0	15.5	23.3

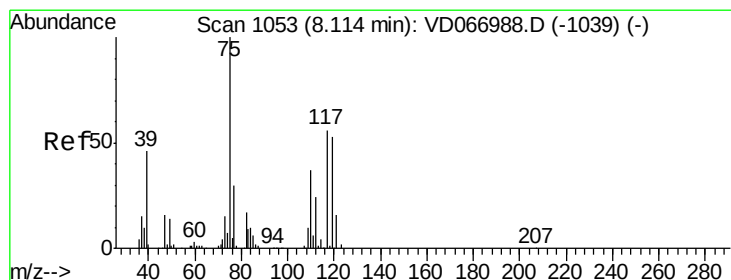
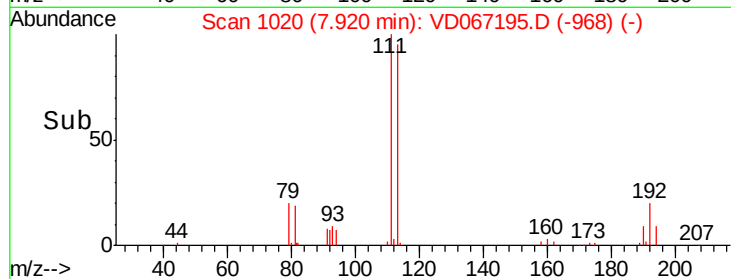
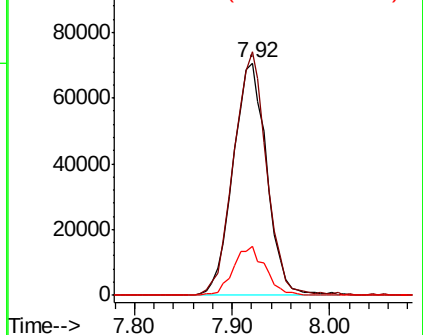


Abundance

Ion 112.80 (112.50 to 113.50): V

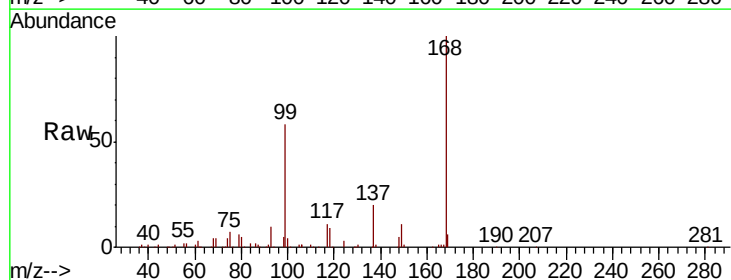
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 4.944 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.13 min
Lab File: VD067195.D
Acq: 08 Oct 2020 15:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.4	18.4	55.0#
77	0.0	24.8	37.2#

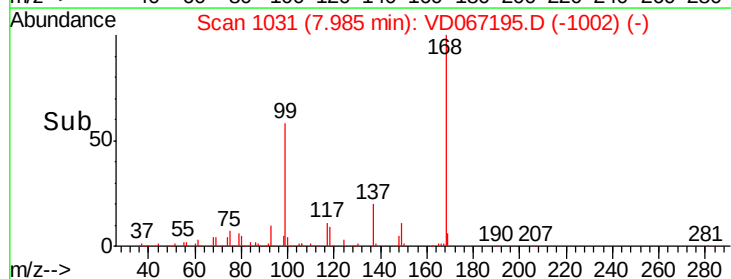
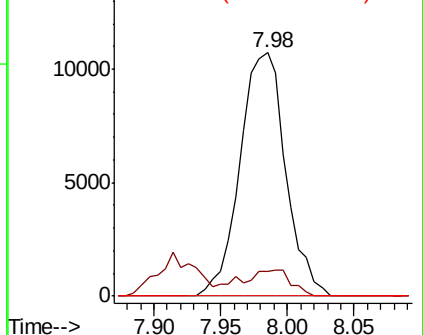


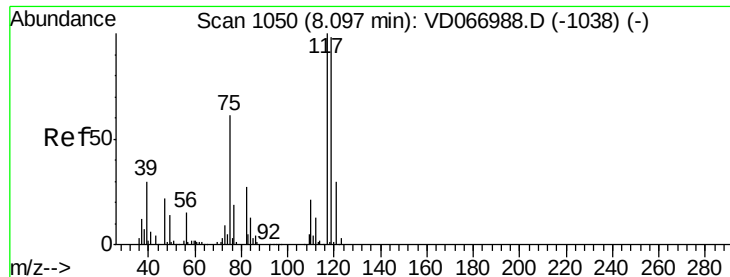
Abundance

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

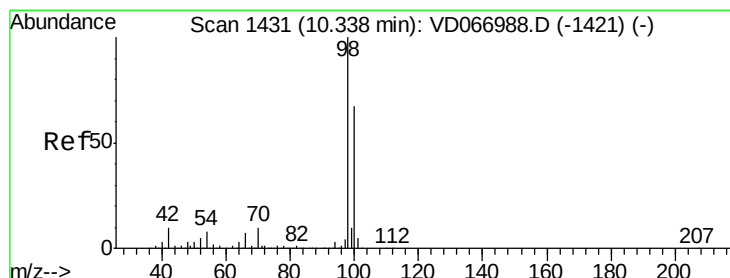
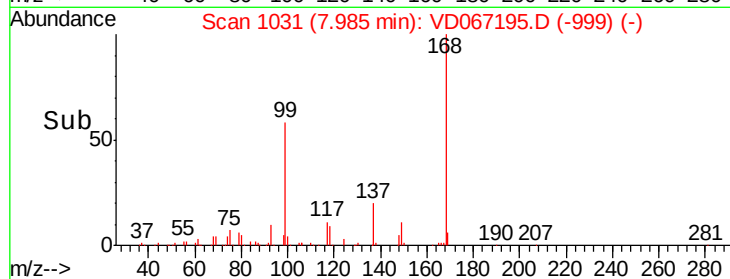
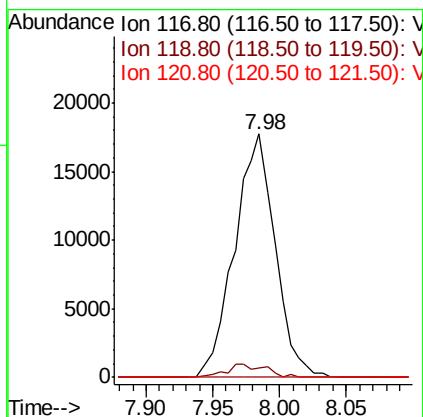
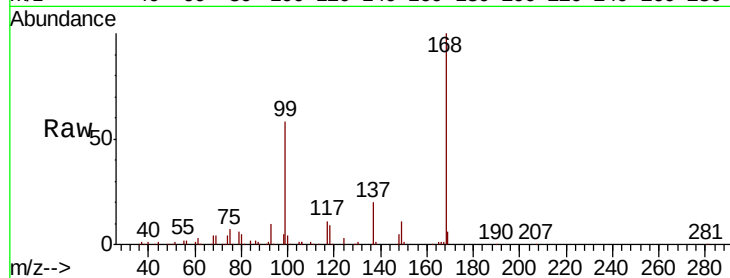




#38
Carbon Tetrachloride
Concen: 6.709 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD067195.D
Acq: 08 Oct 2020 15:31

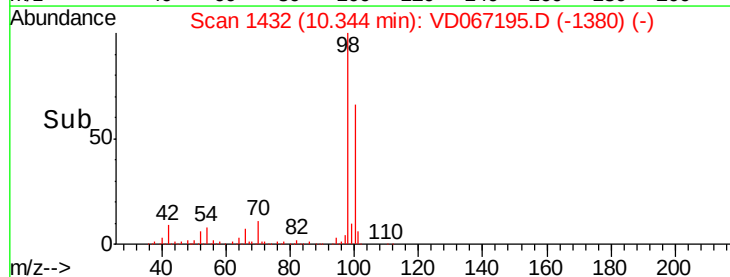
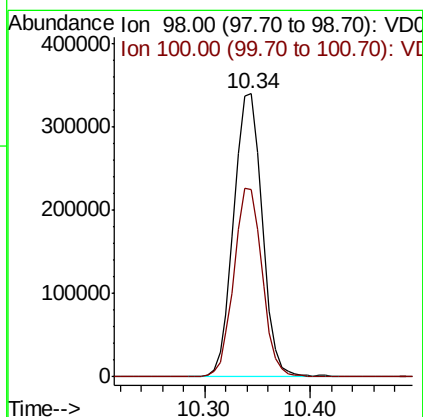
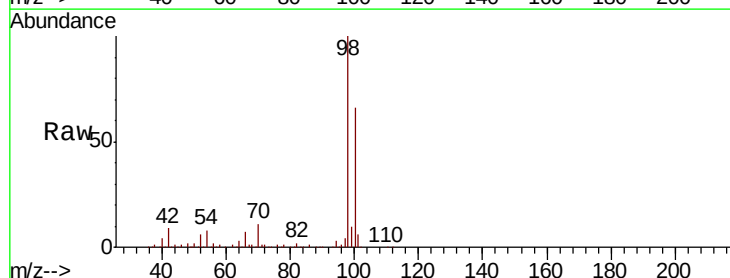
Instrument :
MSVOA_D
ClientSampleId :
RO-RBR-200034

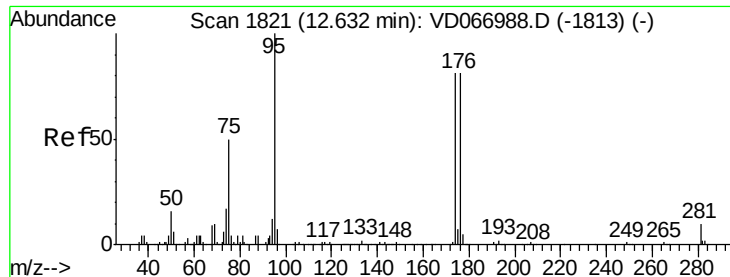
Tot Ion:117 Resp: 37306
Ion Ratio Lower Upper
117 100
119 3.8 78.7 118.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 48.324 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD067195.D
Acq: 08 Oct 2020 15:31

Tgt Ion: 98 Resp: 635581
Ion Ratio Lower Upper
98 100
100 66.1 52.8 79.2

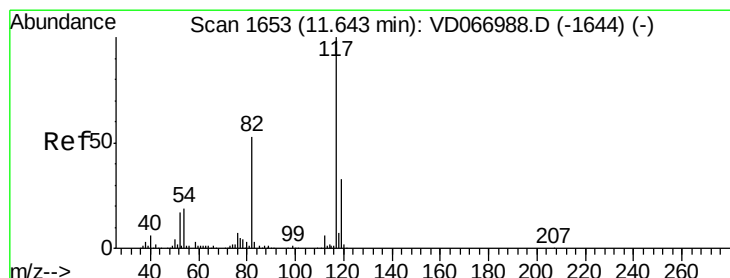
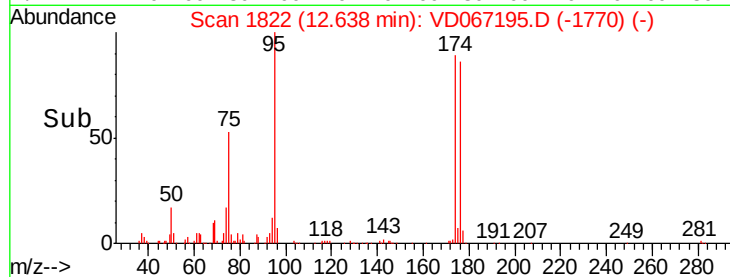
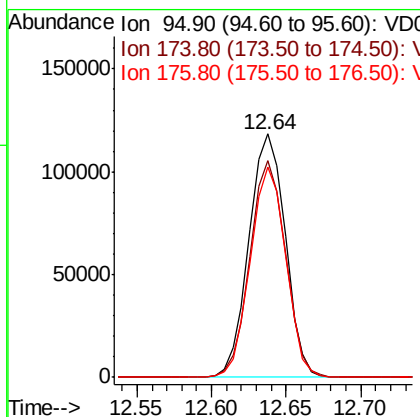
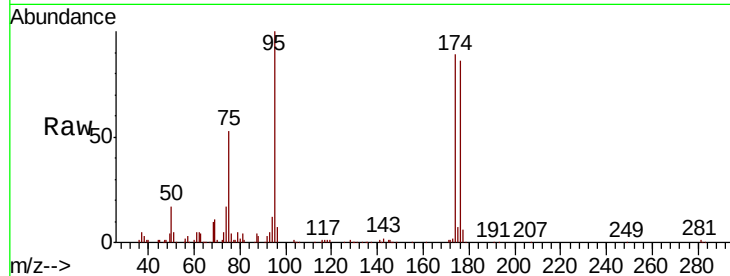




#62
4-Bromofluorobenzene
Concen: 44.566 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067195.D
Acq: 08 Oct 2020 15:31

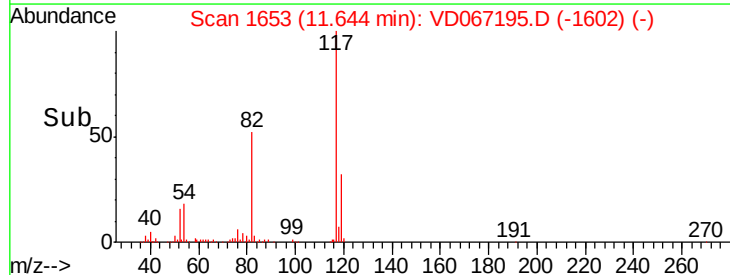
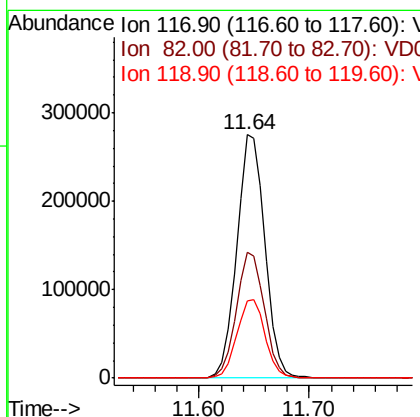
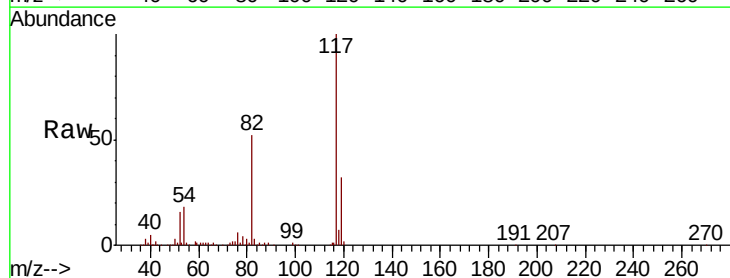
Instrument :
MSVOA_D
ClientSampleId :
RO-RBR-200034

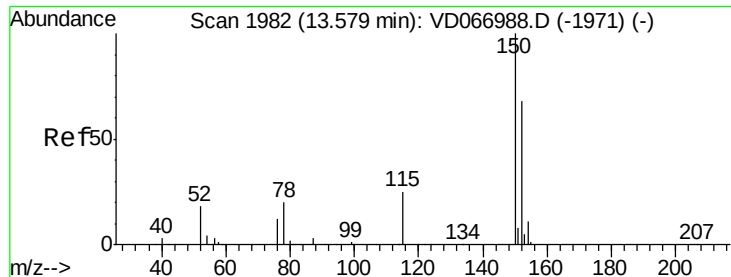
Tot Ion	95	Resp	198983
Ion Ratio	Lower	Upper	
95	100		
174	87.5	0.0	167.6
176	84.3	0.0	162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067195.D
Acq: 08 Oct 2020 15:31

Tgt Ion	117	Resp	491642
Ion Ratio	Lower	Upper	
117	100		
82	51.8	42.6	63.8
119	31.9	26.3	39.5

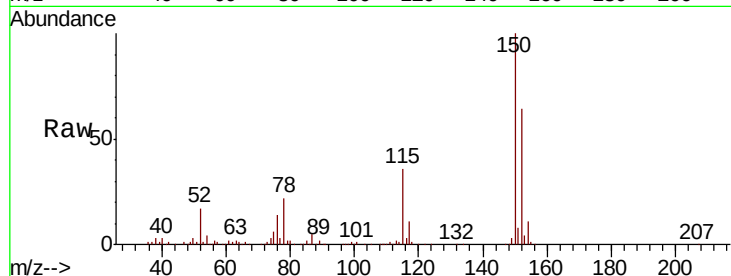




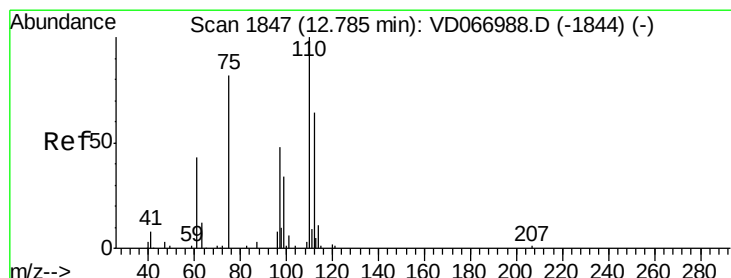
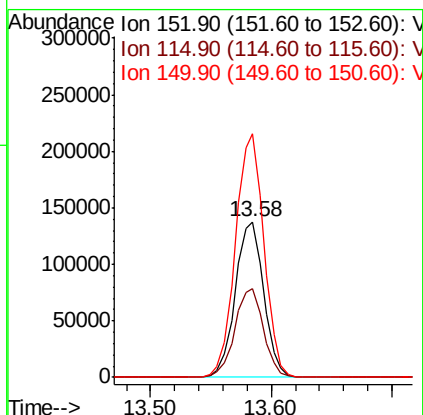
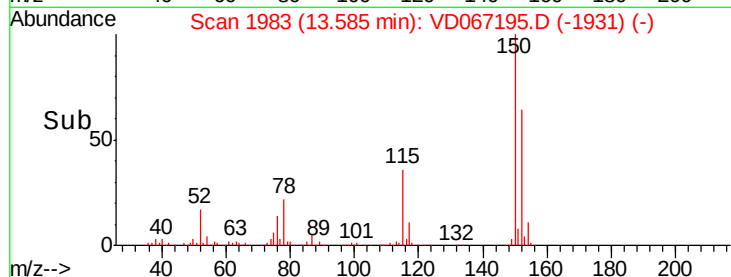
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1983
 Delta R.T. 0.01 min
 Lab File: VD067195.D
 Acq: 08 Oct 2020 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-RBR-200034

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.6	29.6	88.8
150	157.0	0.0	344.8

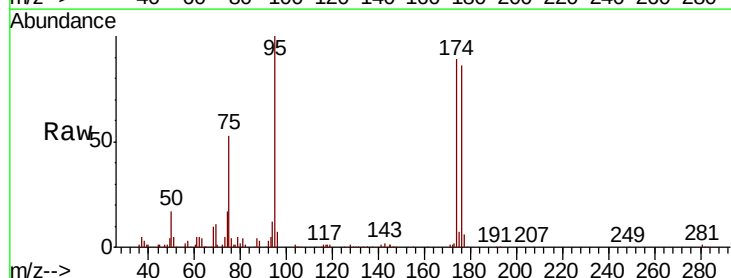


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

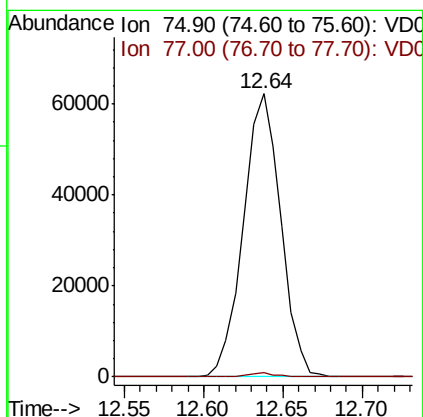
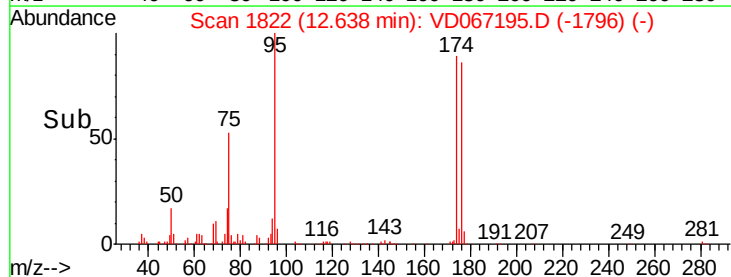


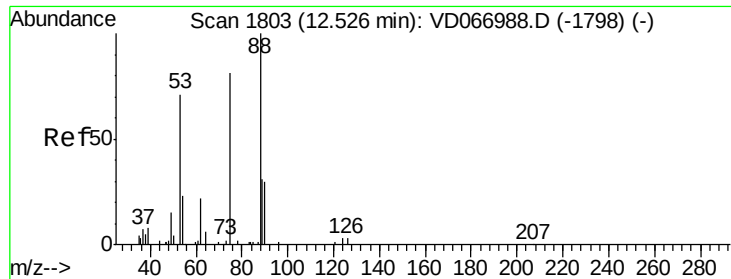
#76
 1,2,3-Trichloropropane
 Concen: 52.012 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067195.D
 Acq: 08 Oct 2020 15:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.0	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: 129.673 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067195.D

Acq: 08 Oct 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

RO-RBR-200034

Tot Ion: 75 Resp: 101984

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.0 38.9 58.3#

