

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100820\
 Data File : VD067194.D
 Acq On : 08 Oct 2020 15:04
 Operator : VA/SY
 Sample : L4297-02
 Misc : 5.37G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-RBR-200031

Quant Time: Oct 09 03:04:37 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	349688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	553926	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	495505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	224836	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	154006	45.72	ug/l	0.00
Spiked Amount						
			Recovery	=	91.44%	
35) Dibromofluoromethane	7.91	113	171629	47.33	ug/l	0.00
Spiked Amount						
			Recovery	=	94.66%	
50) Toluene-d8	10.34	98	634879	48.04	ug/l	0.00
Spiked Amount						
			Recovery	=	96.08%	
62) 4-Bromofluorobenzene	12.64	95	204850	45.66	ug/l	0.00
Spiked Amount						
			Recovery	=	91.32%	

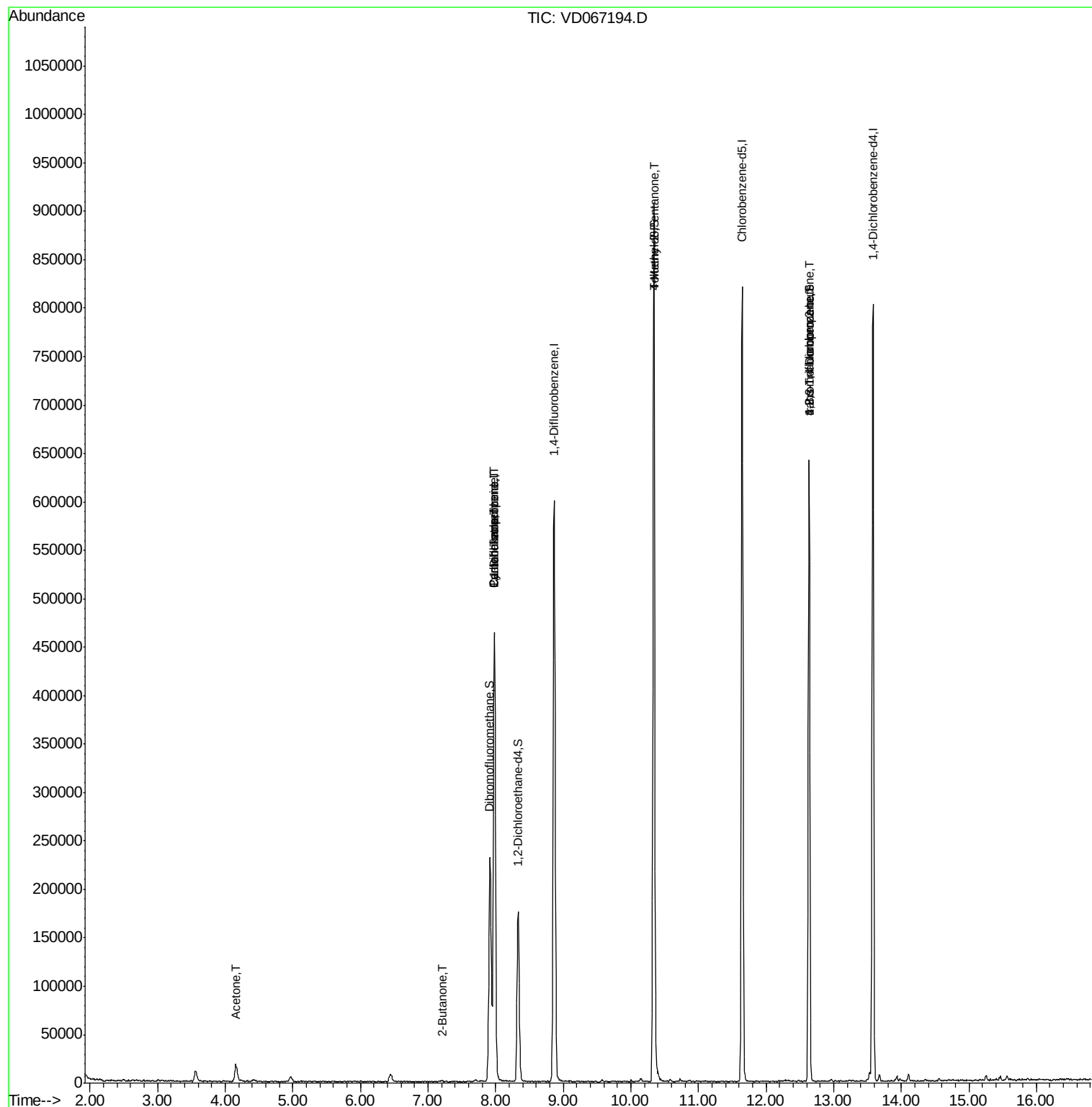
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	66	Below Cal	#	1
5) Bromomethane	2.78	94	167	Below Cal	#	80
16) Acetone	4.16	43	29694	57.753	ug/l	90
20) Methylene Chloride	4.95	84	4226	Below Cal	#	59
25) 2-Butanone	7.21	43	1252	1.718	ug/l #	46
26) 2,2-Dichloropropane	7.20	77	68	Below Cal	#	53
31) Cyclohexane	7.98	56	8288	1.638	ug/l #	35
36) 1,1-Dichloropropene	7.98	75	24881	4.819	ug/l #	50
38) Carbon Tetrachloride	7.98	117	36165	6.474	ug/l #	15
51) 4-Methyl-2-Pentanone	10.35	43	2550	1.554	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	101188	51.669	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	101188	128.817	ug/l #	12

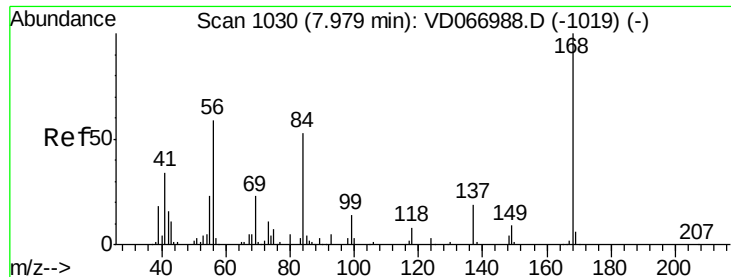
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD067194.D

Acq: 08 Oct 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

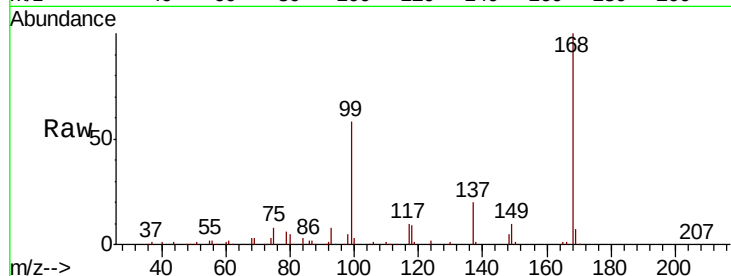
RO-RBR-200031

Tot Ion:168 Resp: 349688

Ion Ratio Lower Upper

168 100

99 57.6 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

150000

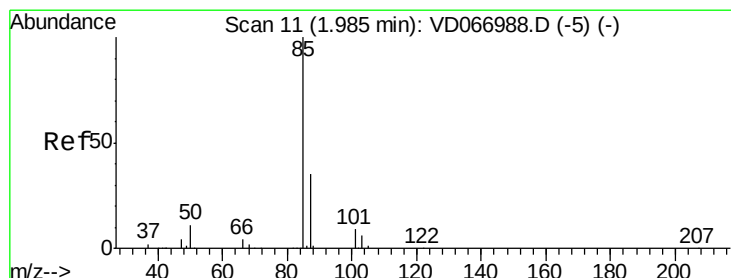
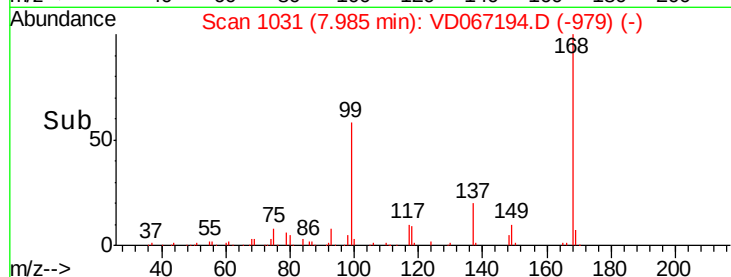
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD067194.D

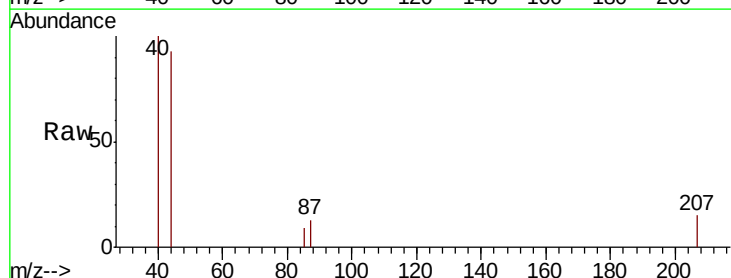
Acq: 08 Oct 2020 15:04

Tgt Ion: 85 Resp: 66

Ion Ratio Lower Upper

85 100

87 153.7 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

300

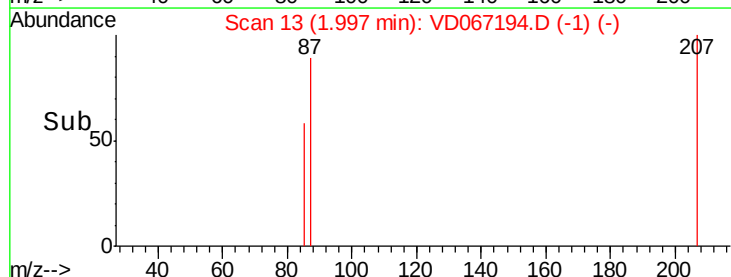
200

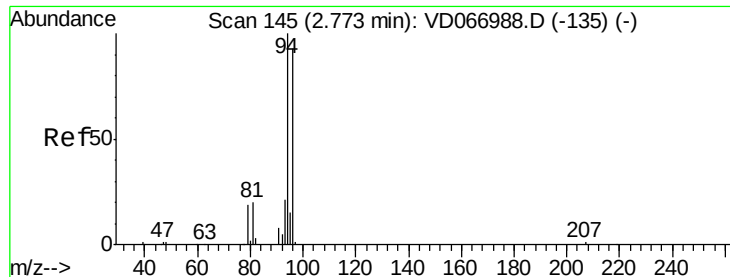
100

0

Time-->

1.98 1.99 2.00 2.01





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067194.D

Acq: 08 Oct 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

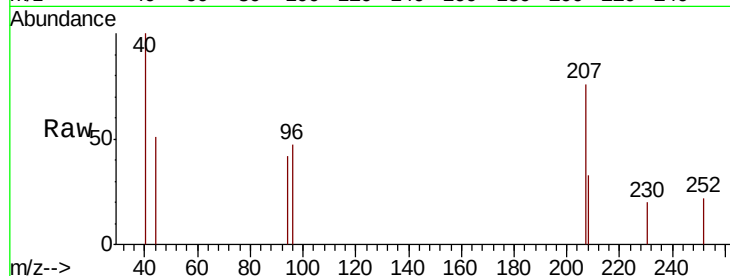
RO-RBR-200031

Tot Ion: 94 Resp: 167

Ion Ratio Lower Upper

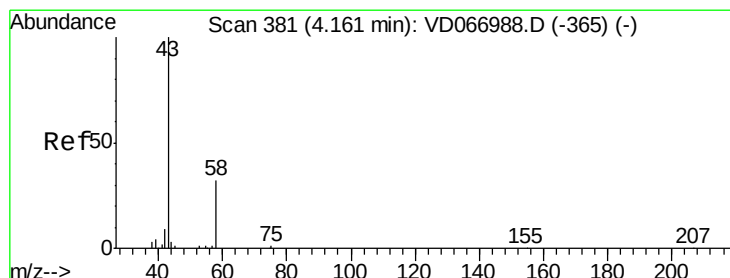
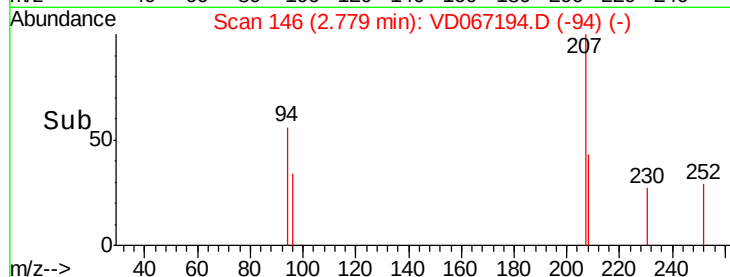
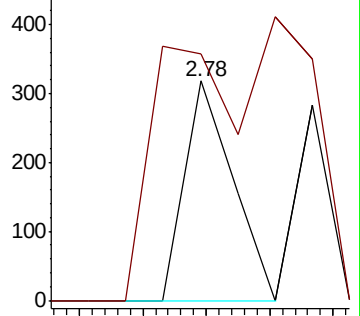
94 100

96 112.3 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#16

Acetone

Concen: 57.753 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067194.D

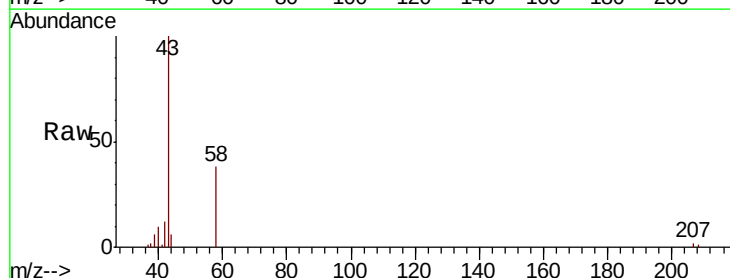
Acq: 08 Oct 2020 15:04

Tgt Ion: 43 Resp: 29694

Ion Ratio Lower Upper

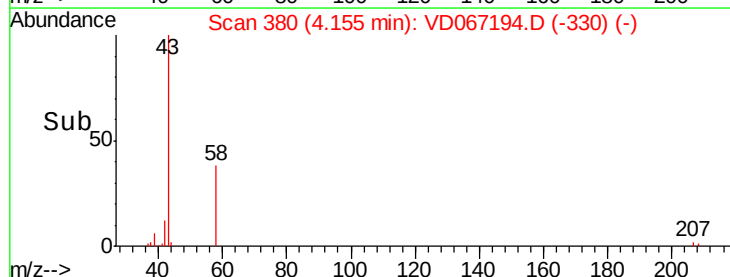
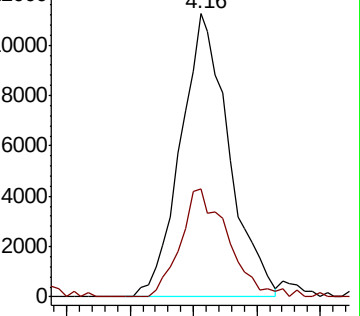
43 100

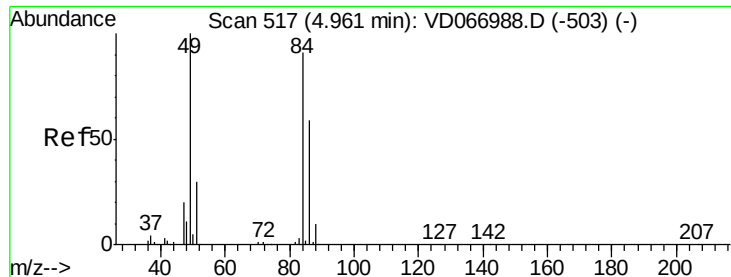
58 38.0 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

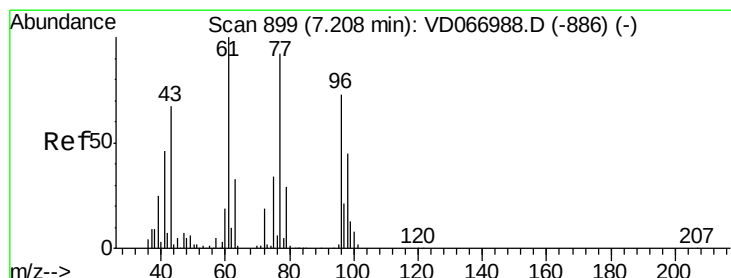
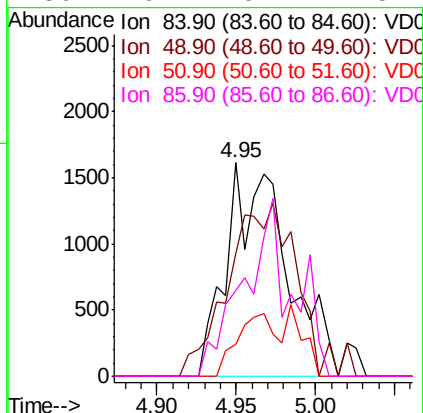
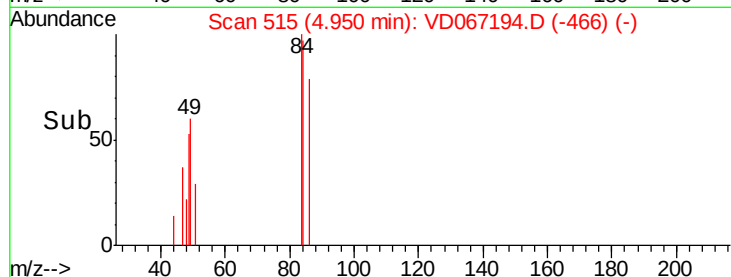
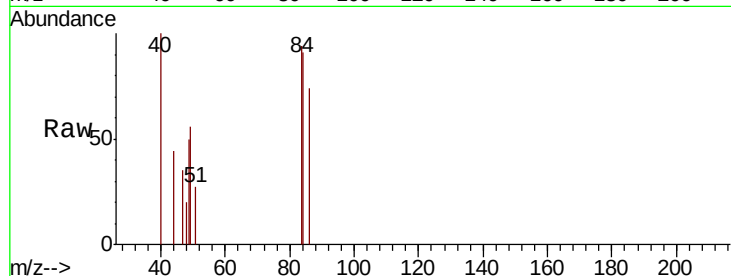




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.95 min Scan# 515
Delta R.T. -0.01 min
Lab File: VD067194.D
Acq: 08 Oct 2020 15:04

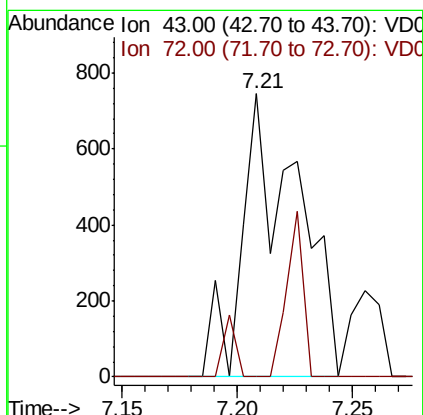
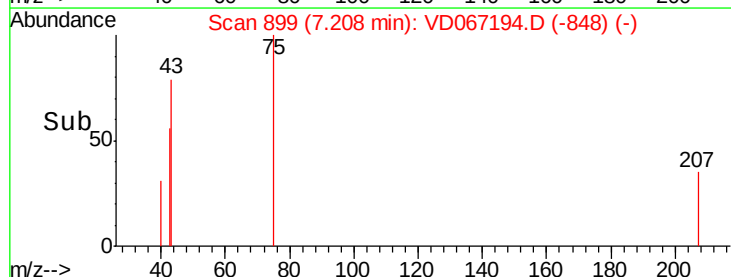
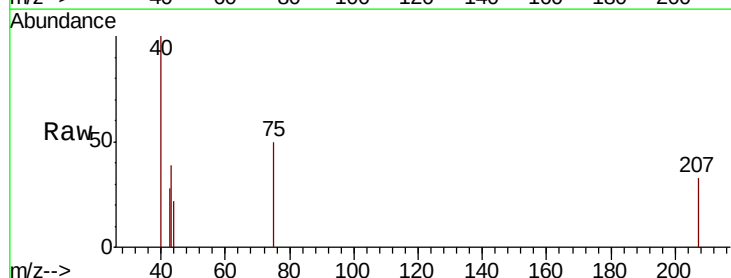
Instrument :
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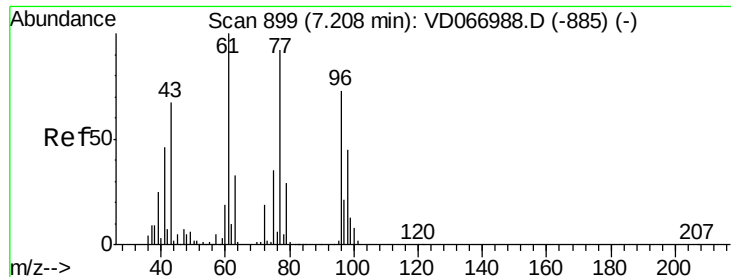
Tot Ion: 84 Resp: 4226
Ion Ratio Lower Upper
84 100
49 57.6 88.2 132.2#
51 14.7 26.6 39.8#
86 40.2 52.1 78.1#



#25
2-Butanone
Concen: 1.718 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD067194.D
Acq: 08 Oct 2020 15:04

Tgt Ion: 43 Resp: 1252
Ion Ratio Lower Upper
43 100
72 0.0 22.8 34.2#

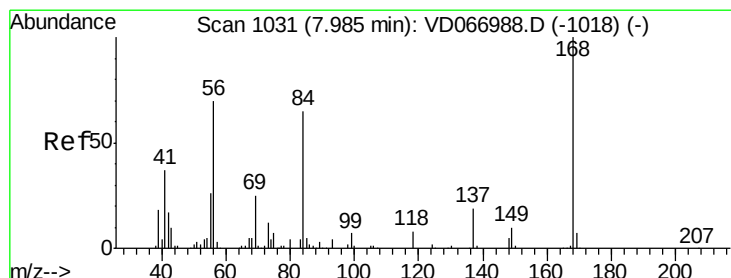
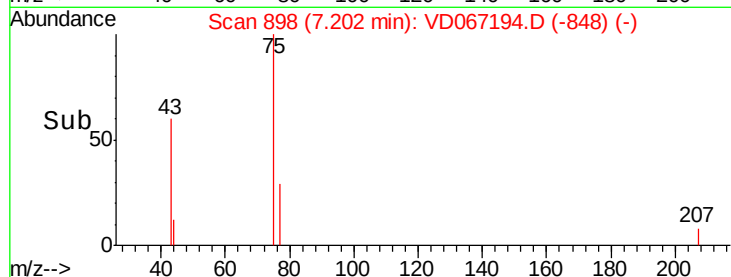
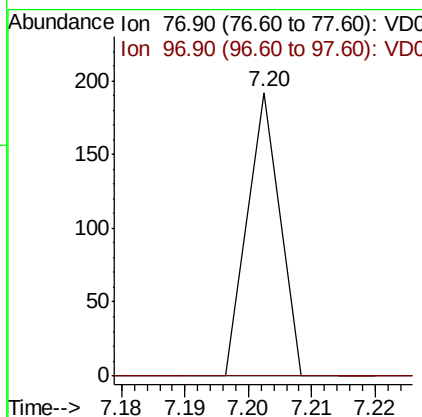
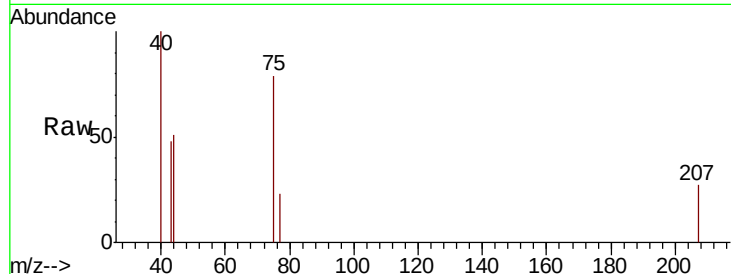




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD067194.D
 Acq: 08 Oct 2020 15:04

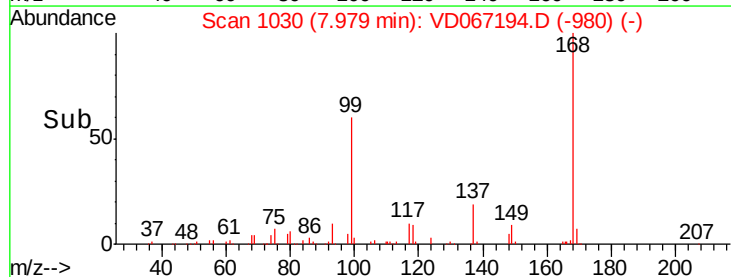
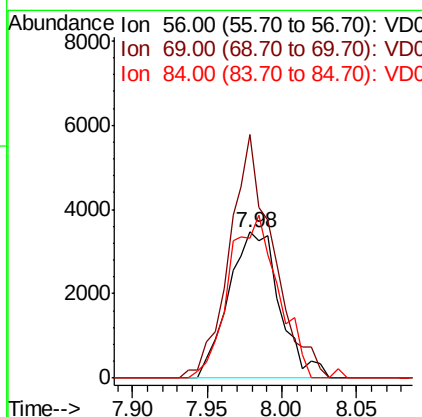
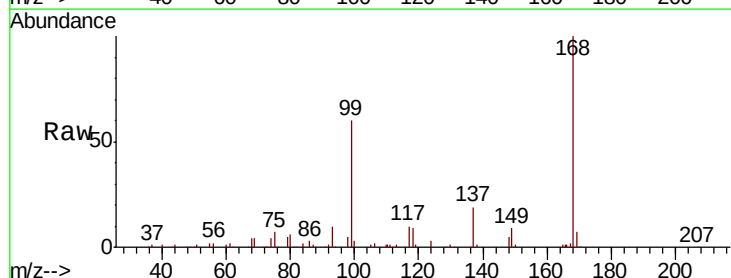
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-RBR-200031

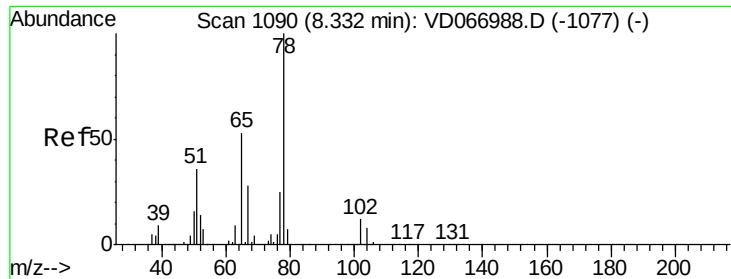
Tot Ion: 77 Resp: 68
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.4 34.2#



#31
 Cyclohexane
 Concen: 1.638 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VD067194.D
 Acq: 08 Oct 2020 15:04

Tgt Ion: 56 Resp: 8288
 Ion Ratio Lower Upper
 56 100
 69 166.5 29.0 43.6#
 84 96.1 74.2 111.2

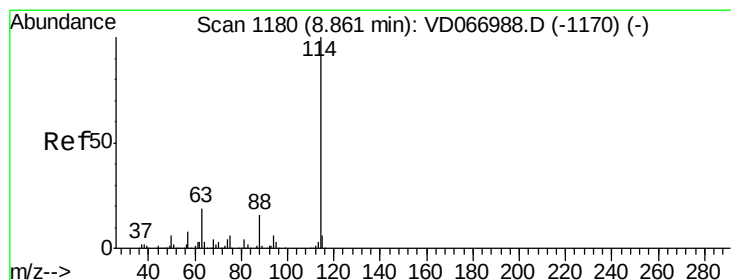
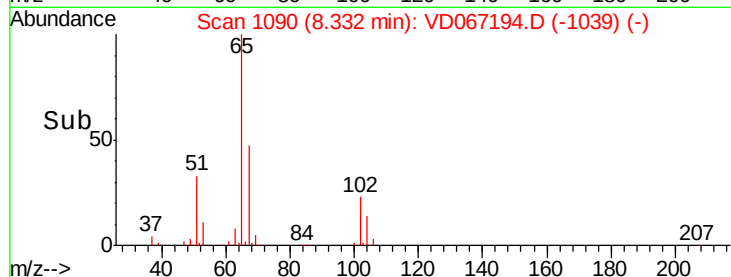
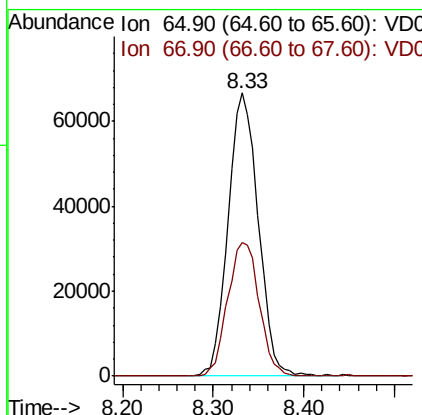
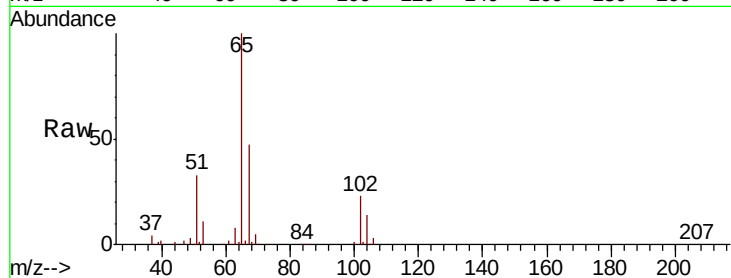




#33
 1,2-Dichloroethane-d4
 Concen: 45.724 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD067194.D
 Acq: 08 Oct 2020 15:04

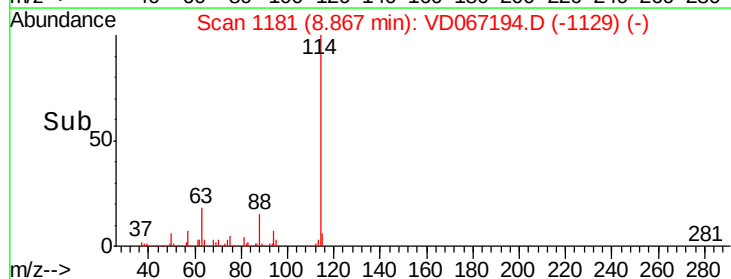
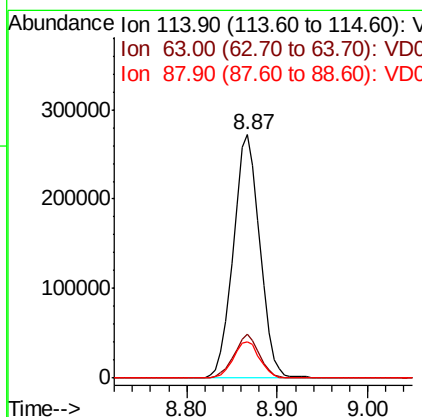
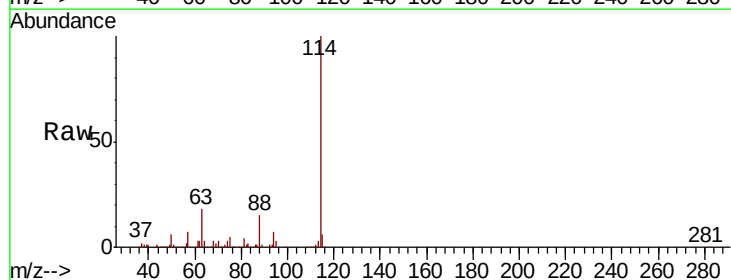
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-RBR-200031

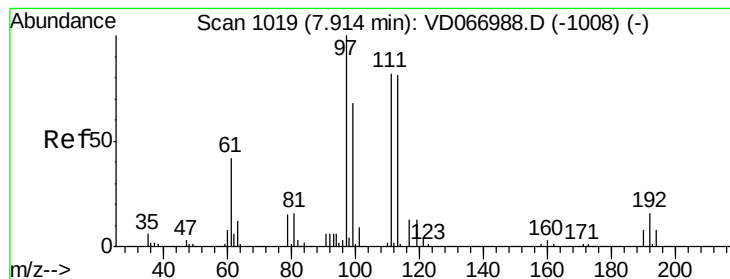
Tot Ion: 65 Resp: 154006
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067194.D
 Acq: 08 Oct 2020 15:04

Tgt Ion: 114 Resp: 553926
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 38.4
 88 14.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 47.327 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD067194.D

Acq: 08 Oct 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

RO-RBR-200031

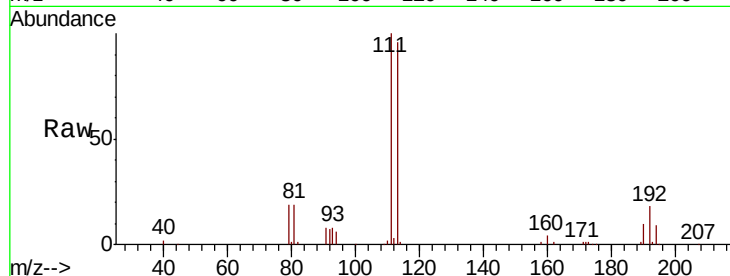
Tot Ion:113 Resp: 171629

Ion Ratio Lower Upper

113 100

111 100.5 83.0 124.4

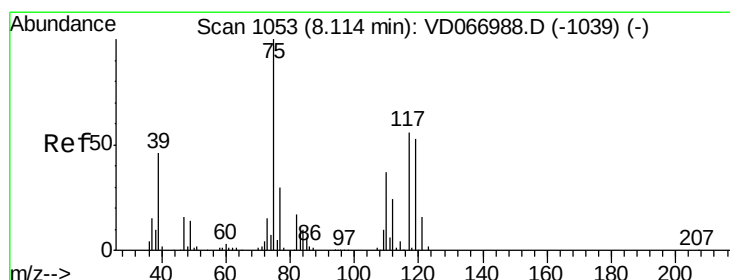
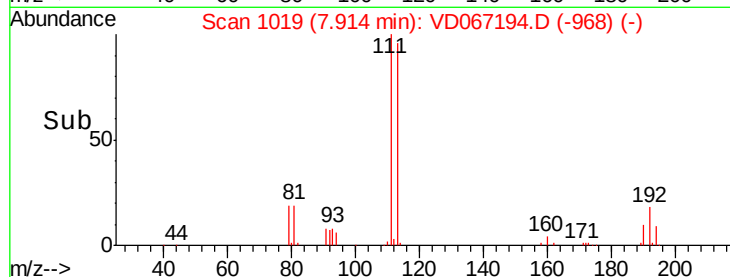
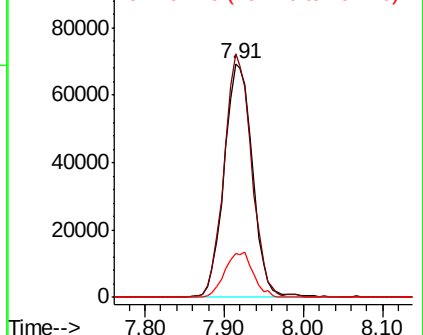
192 19.2 15.5 23.3



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: 4.819 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067194.D

Acq: 08 Oct 2020 15:04

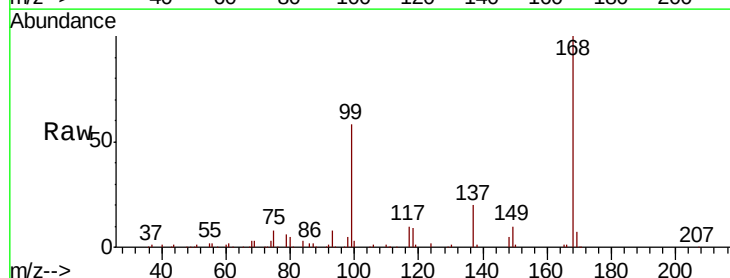
Tgt Ion: 75 Resp: 24881

Ion Ratio Lower Upper

75 100

110 10.6 18.4 55.0#

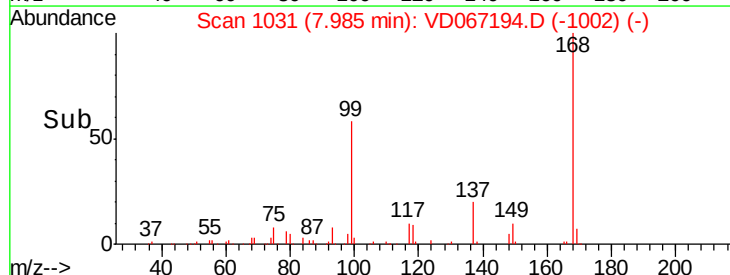
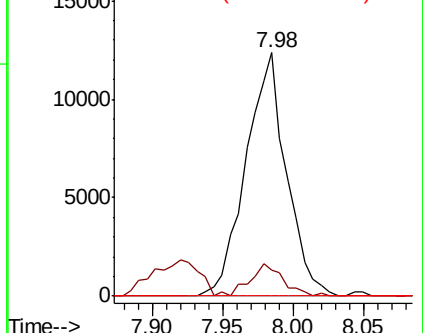
77 0.0 24.8 37.2#

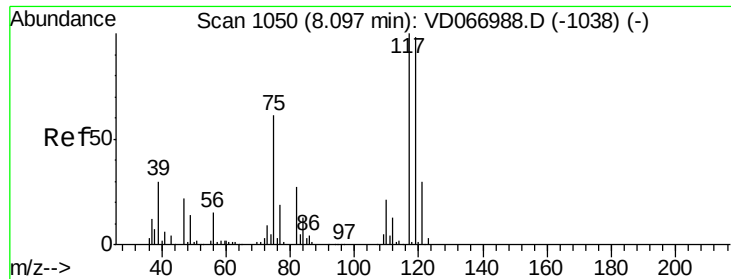


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.474 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067194.D

Acq: 08 Oct 2020 15:04

Instrument :

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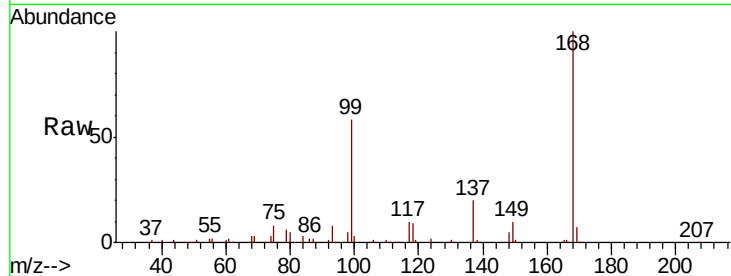
Tot Ion:117 Resp: 36165

Ion Ratio Lower Upper

117 100

119 5.5 78.7 118.1#

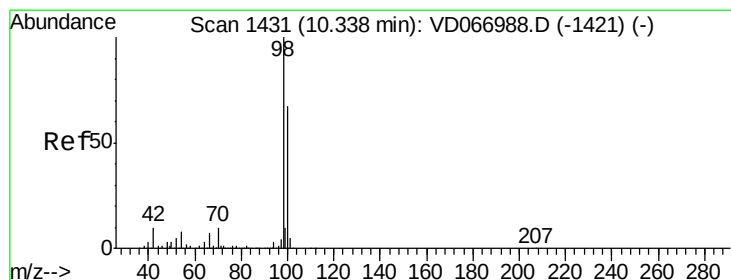
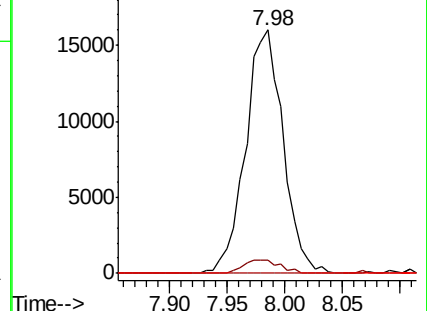
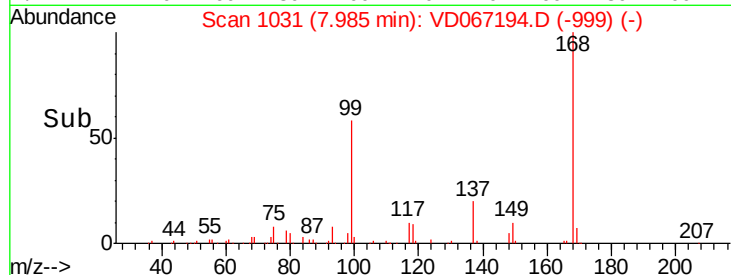
121 0.0 24.2 36.2#



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: 48.045 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD067194.D

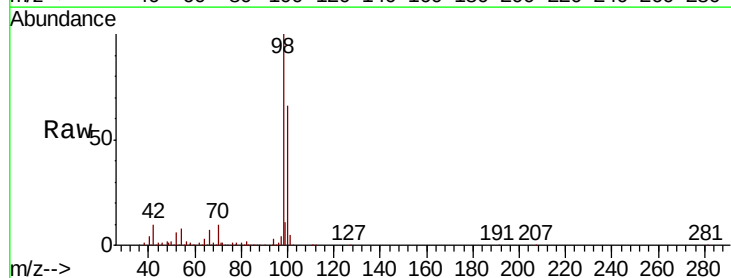
Acq: 08 Oct 2020 15:04

Tgt Ion: 98 Resp: 634879

Ion Ratio Lower Upper

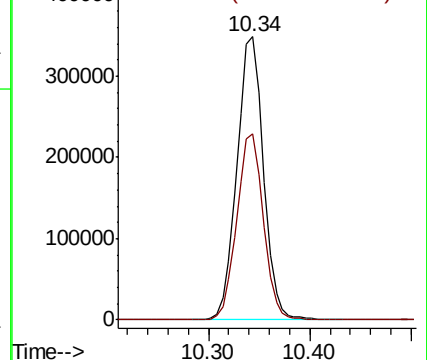
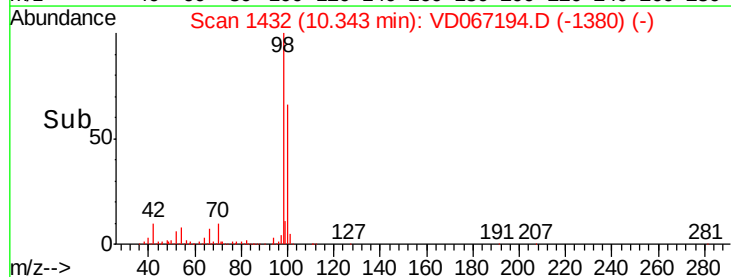
98 100

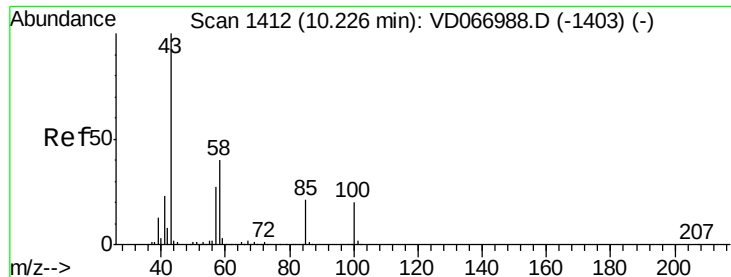
100 65.9 52.8 79.2



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: 1.554 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.12 min

Lab File: VD067194.D

Acq: 08 Oct 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

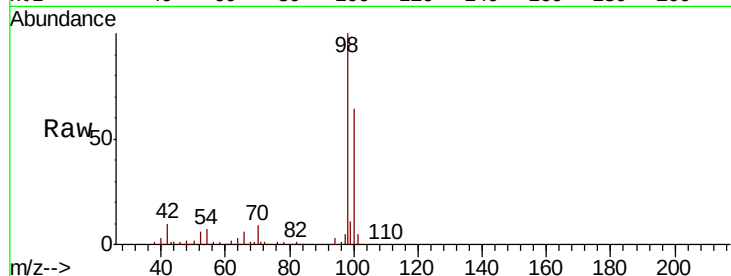
RO-RBR-200031

Tot Ion: 43 Resp: 2550

Ion Ratio Lower Upper

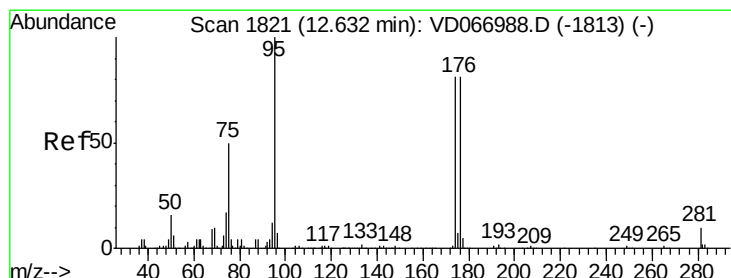
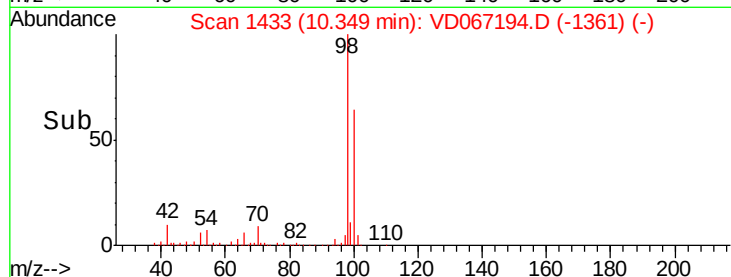
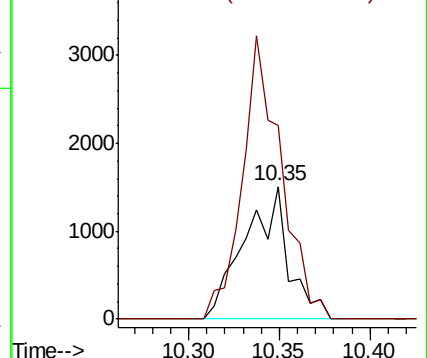
43 100

58 188.5 33.8 50.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 45.665 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067194.D

Acq: 08 Oct 2020 15:04

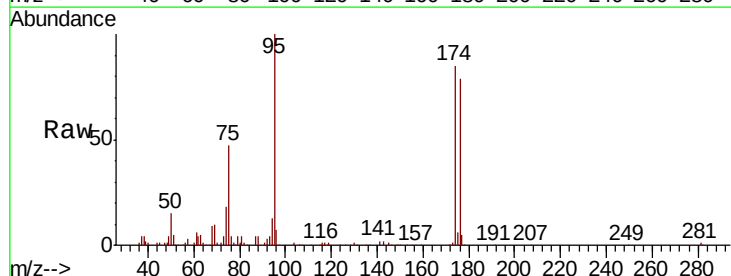
Tgt Ion: 95 Resp: 204850

Ion Ratio Lower Upper

95 100

174 86.2 0.0 167.6

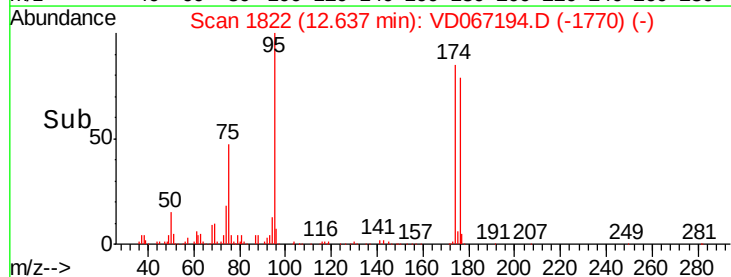
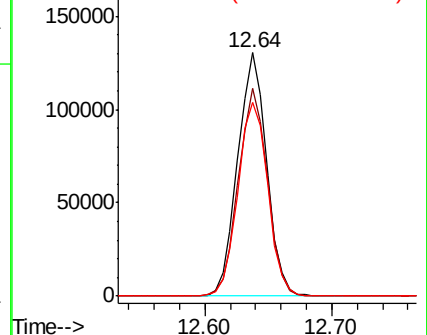
176 82.1 0.0 162.4

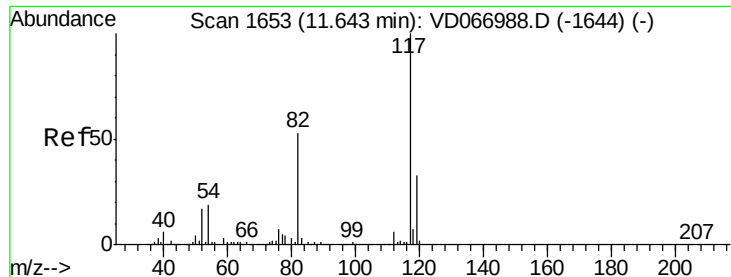


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

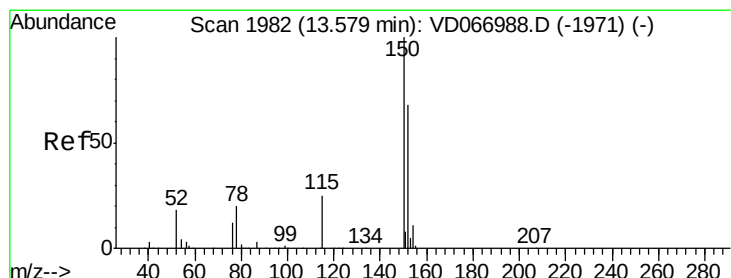
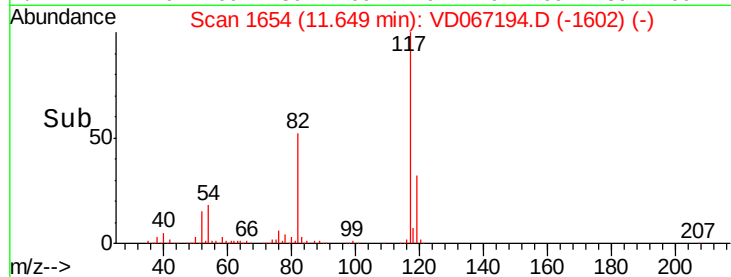
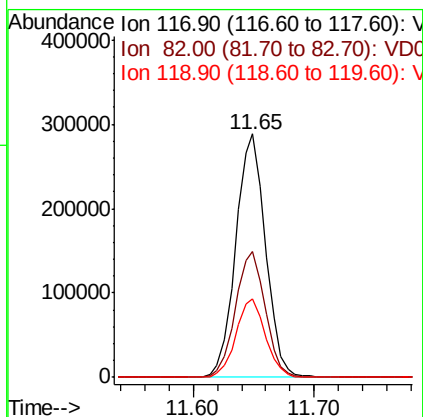
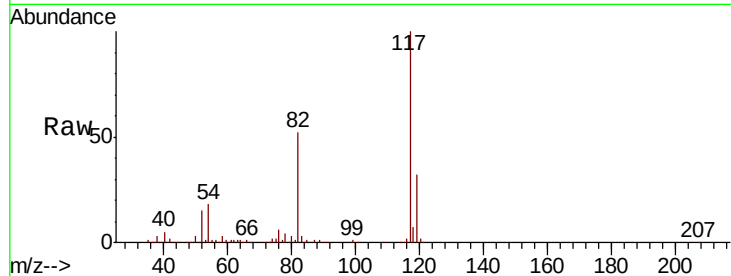




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067194.D
Acq: 08 Oct 2020 15:04

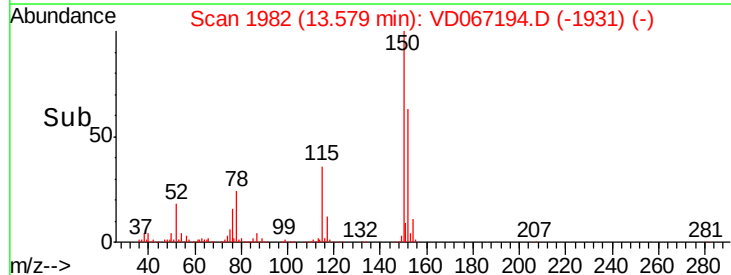
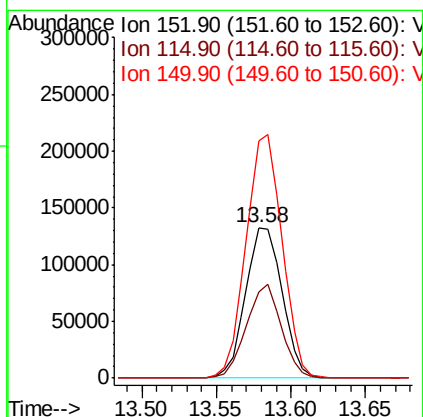
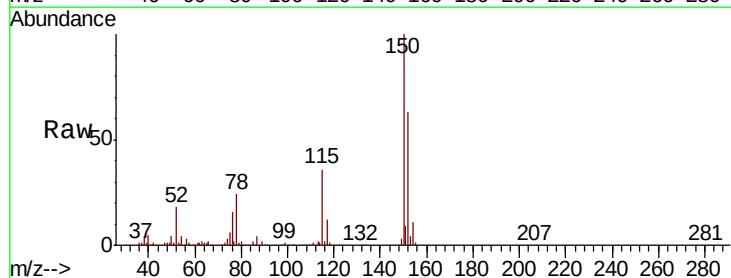
Instrument :
MSVOA_D
ClientSampleId :
RO-RBR-200031

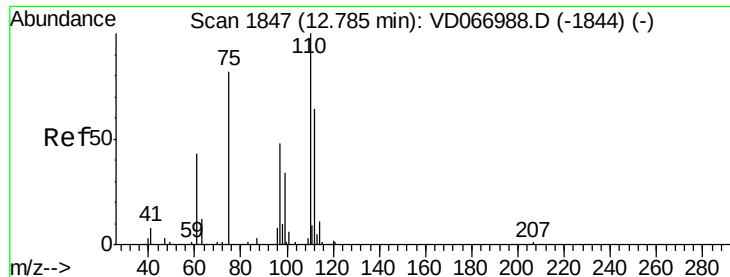
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	42.6	63.8
119	32.1	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD067194.D
Acq: 08 Oct 2020 15:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.6	88.8
150	159.6	0.0	344.8





#76

1,2,3-Trichloropropane

Concen: 51.669 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067194.D

Acq: 08 Oct 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

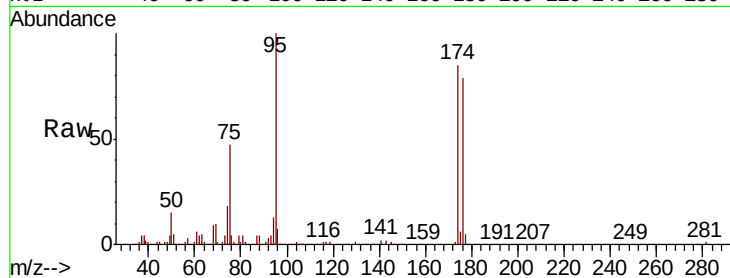
RO-RBR-200031

Tot Ion: 75 Resp: 101188

Ion Ratio Lower Upper

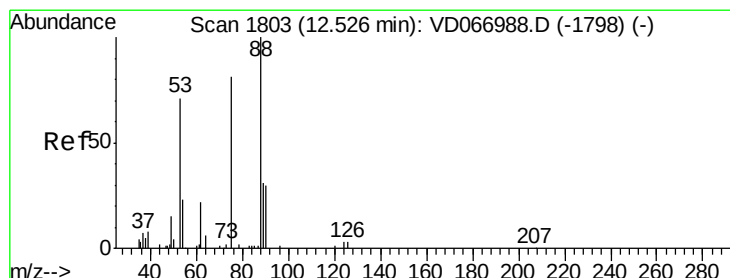
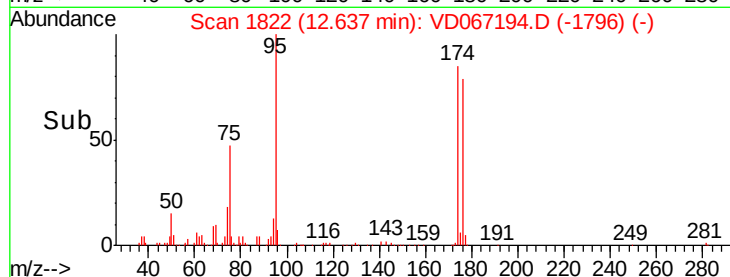
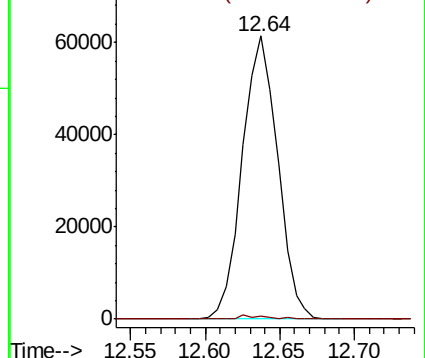
75 100

77 1.1 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: 128.817 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067194.D

Acq: 08 Oct 2020 15:04

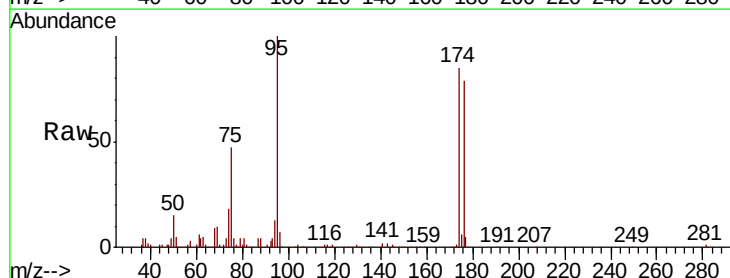
Tgt Ion: 75 Resp: 101188

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.1 38.9 58.3#



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

