

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111220\
 Data File : VD067624.D
 Acq On : 12 Nov 2020 15:41
 Operator : VA/SY
 Sample : L4723-01
 Misc : 5.58G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-34

Quant Time: Nov 13 00:30:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	298993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	477838	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	480482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	245717	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	147603	56.46	ug/l	0.00
Spiked Amount			Recovery	=	112.92%	
35) Dibromofluoromethane	7.92	113	152119	52.84	ug/l	0.00
Spiked Amount			Recovery	=	105.68%	
50) Toluene-d8	10.34	98	541978	53.57	ug/l	0.00
Spiked Amount			Recovery	=	107.14%	
62) 4-Bromofluorobenzene	12.64	95	213620	61.16	ug/l	0.00
Spiked Amount			Recovery	=	122.32%	

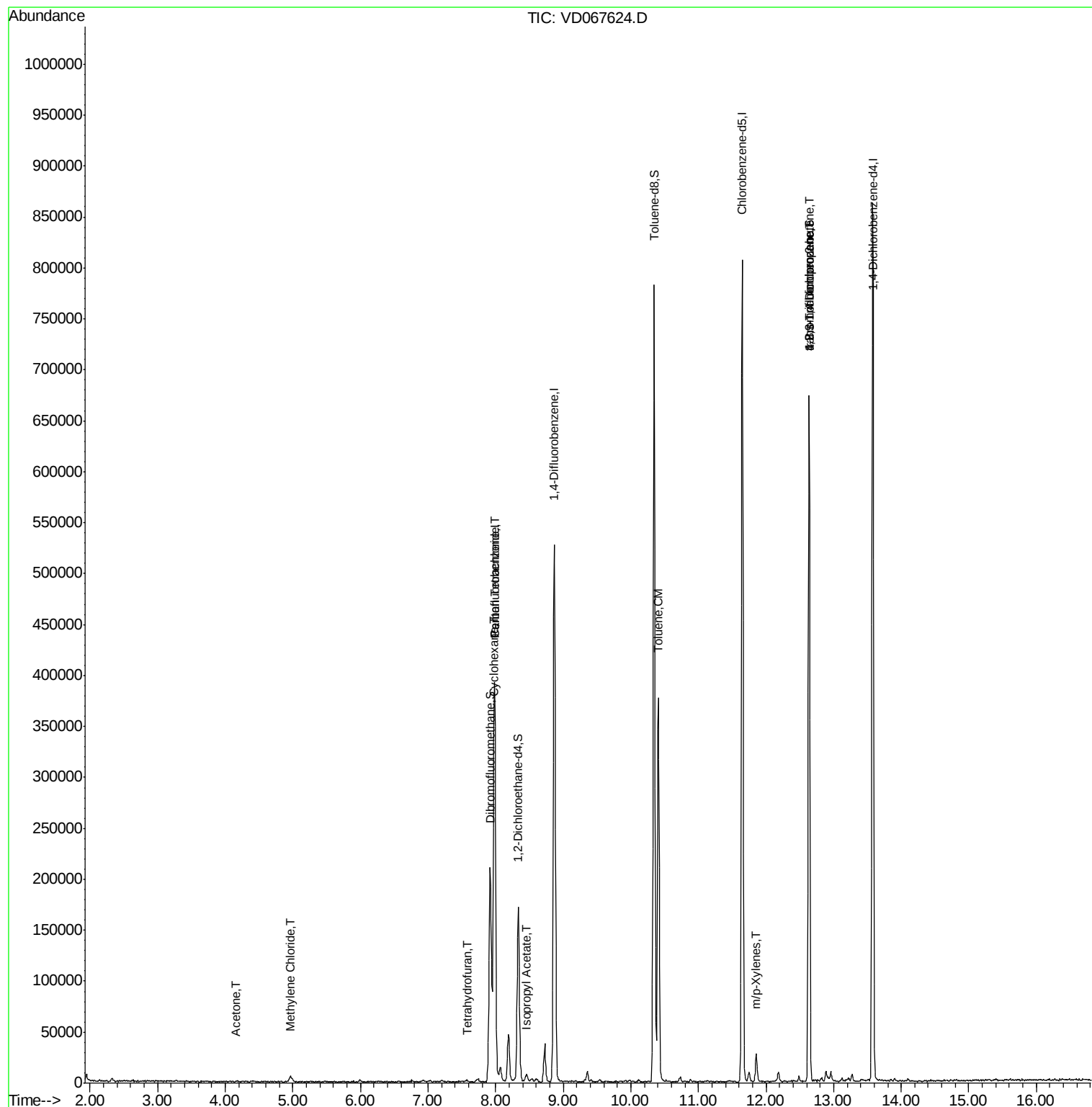
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	430	Below Cal	#	44
16) Acetone	4.16	43	1169	2.988	ug/l #	43
20) Methylene Chloride	4.97	84	4495	1.627	ug/l #	86
29) Tetrahydrofuran	7.57	42	898	3.586	ug/l	99
31) Cyclohexane	7.97	56	12321	3.249	ug/l #	59
38) Carbon Tetrachloride	7.98	117	30712	5.779	ug/l #	17
43) Isopropyl Acetate	8.46	43	2898	1.380	ug/l #	44
52) Toluene	10.41	92	168106	22.653	ug/l	98
68) m/p-Xylenes	11.86	106	8884	1.442	ug/l	87
76) 1,2,3-Trichloropropane	12.64	75	107825	72.741	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	107825	147.684	ug/l #	10

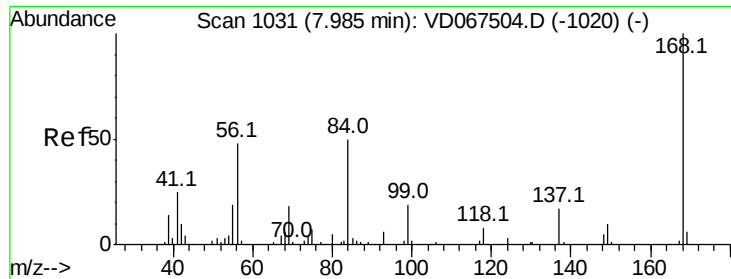
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111220\
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Quant Time: Nov 13 00:30:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067624.D

Acq: 12 Nov 2020 15:41

Instrument :

MSVOA_D

ClientSampleId :

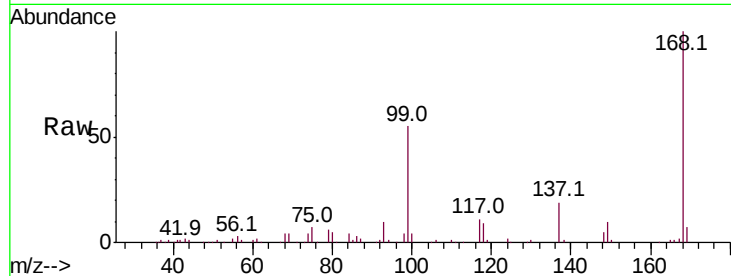
RBR-34

Tot Ion:168 Resp: 298993

Ion Ratio Lower Upper

168 100

99 54.9 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

150000 Ion 98.90 (98.60 to 99.60): VDC

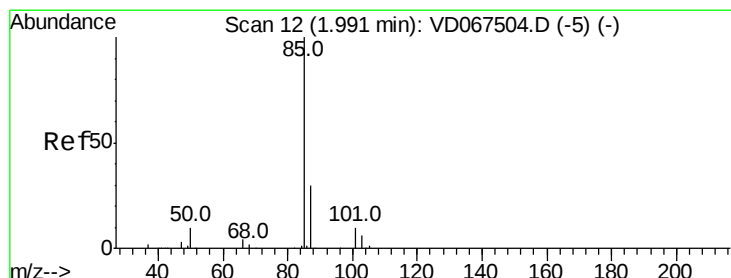
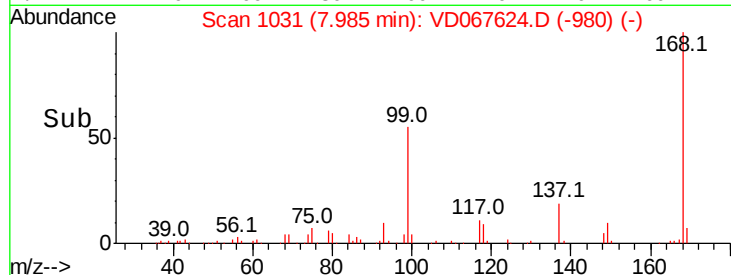
7.98

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067624.D

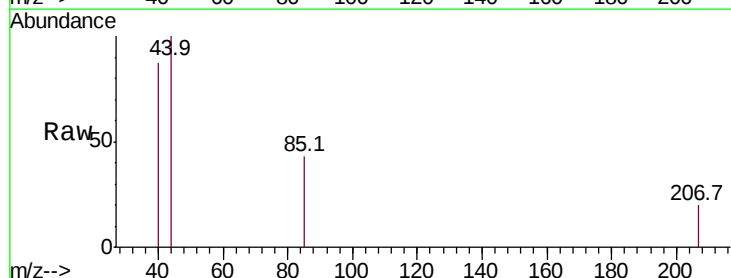
Acq: 12 Nov 2020 15:41

Tgt Ion: 85 Resp: 430

Ion Ratio Lower Upper

85 100

87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

600 Ion 86.90 (86.60 to 87.60): VDC

1.99

500

400

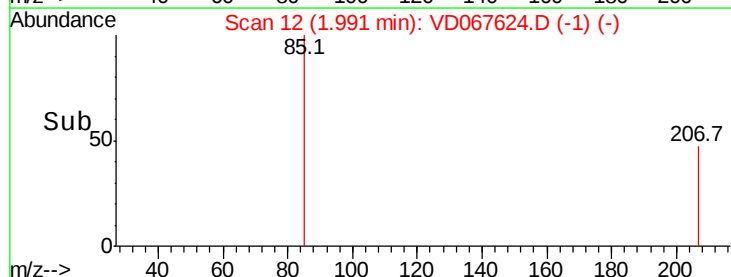
300

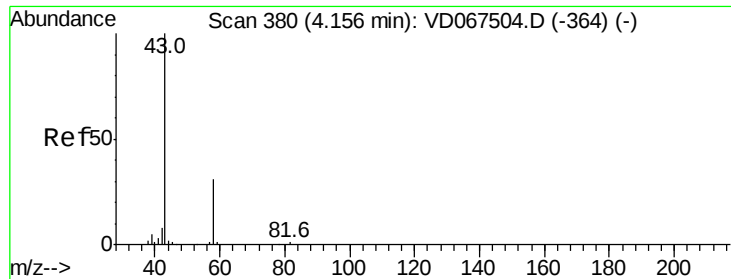
200

100

0

Time-->





#16

Acetone

Concen: 2.988 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067624.D

Acq: 12 Nov 2020 15:41

Instrument :

MSVOA_D

ClientSampleId :

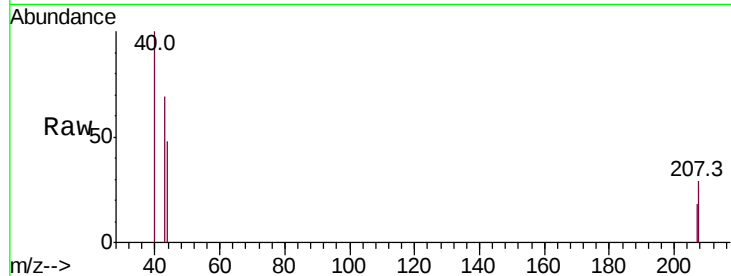
RBR-34

Tot Ion: 43 Resp: 1169

Ion Ratio Lower Upper

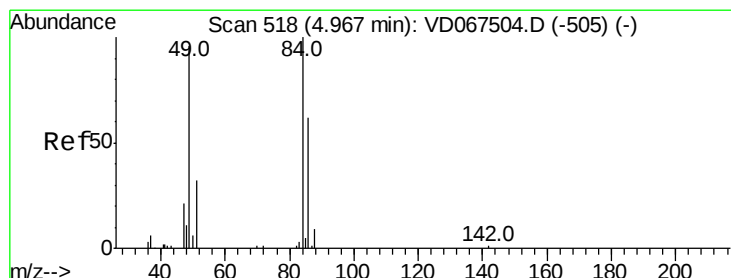
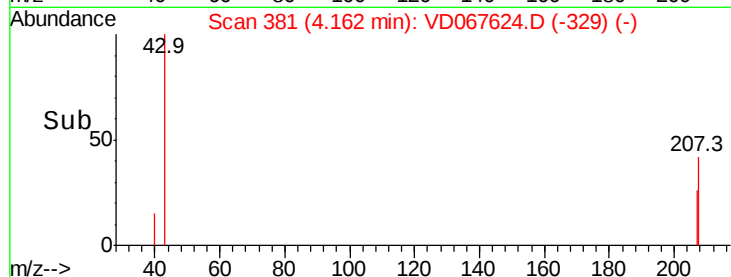
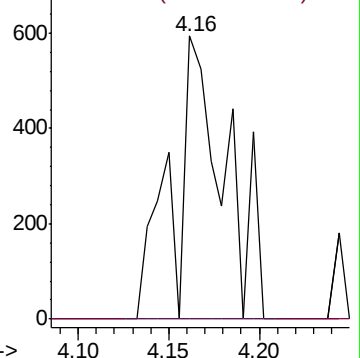
43 100

58 0.0 25.2 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 1.627 ug/l

RT: 4.97 min Scan# 518

Delta R.T. -0.00 min

Lab File: VD067624.D

Acq: 12 Nov 2020 15:41

Tgt Ion: 84 Resp: 4495

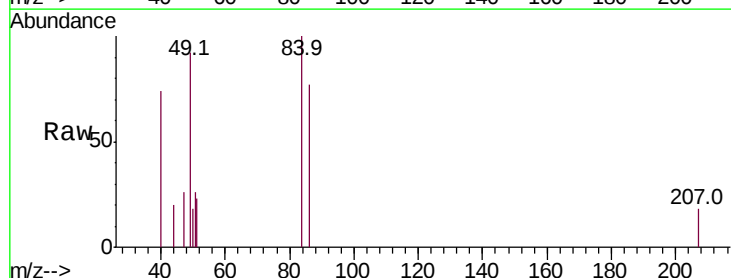
Ion Ratio Lower Upper

84 100

49 91.6 77.0 115.4

51 49.5 25.4 38.2#

86 77.3 49.4 74.0#

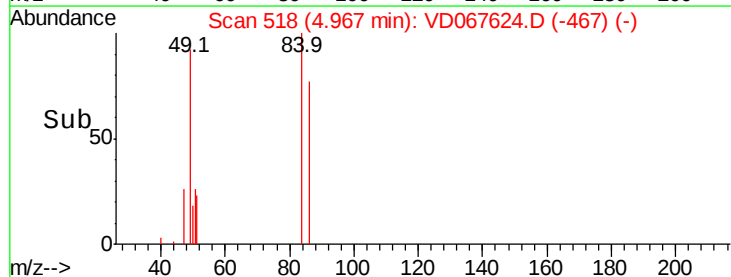
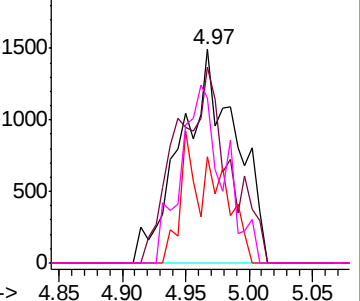


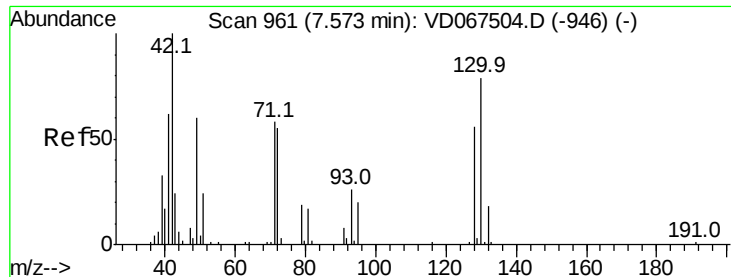
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#29

Tetrahydrofuran

Concen: 3.586 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD067624.D

Acq: 12 Nov 2020 15:41

Instrument :

MSVOA_D

ClientSampled :

RBR-34

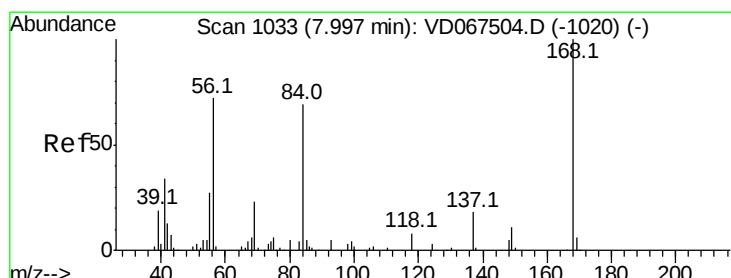
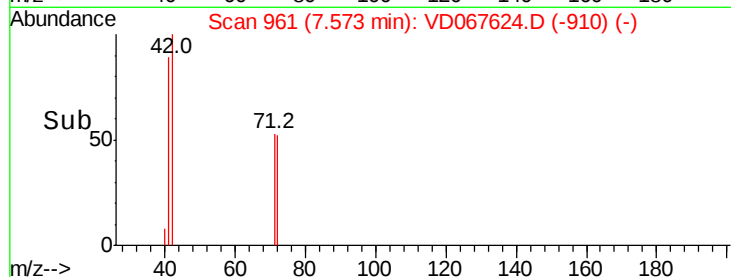
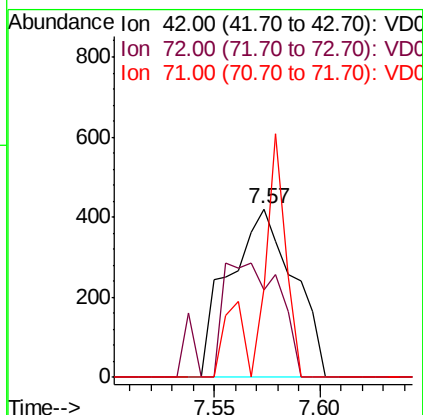
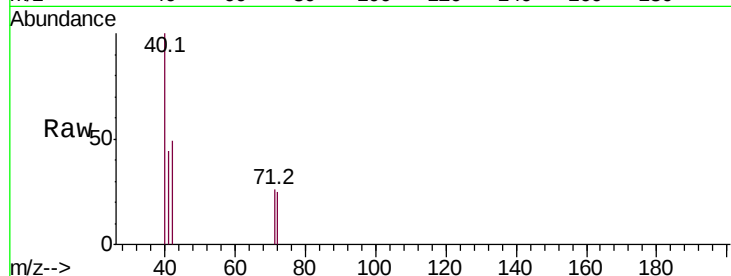
Tot Ion: 42 Resp: 898

Ion Ratio Lower Upper

42 100

72 58.2 46.3 69.5

71 56.0 44.0 66.0



#31

Cyclohexane

Concen: 3.249 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.03 min

Lab File: VD067624.D

Acq: 12 Nov 2020 15:41

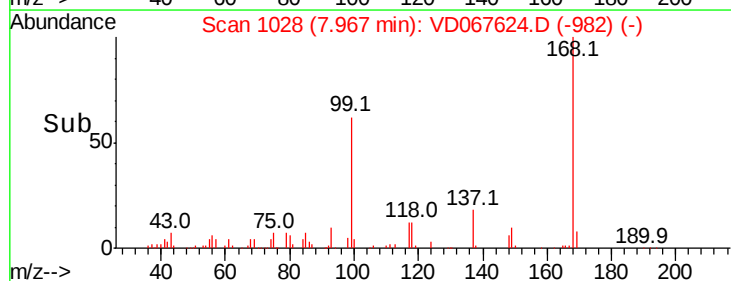
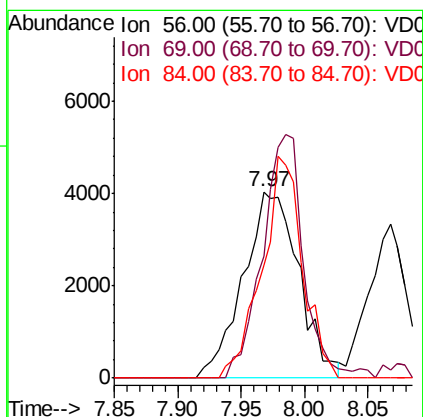
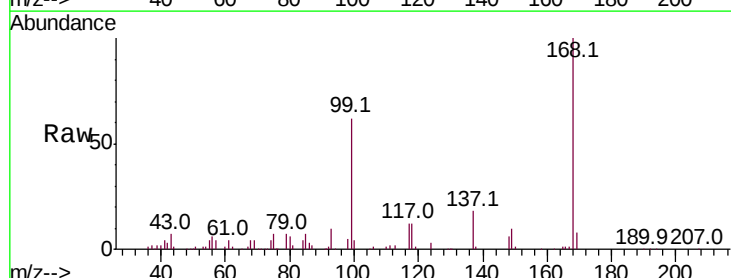
Tgt Ion: 56 Resp: 12321

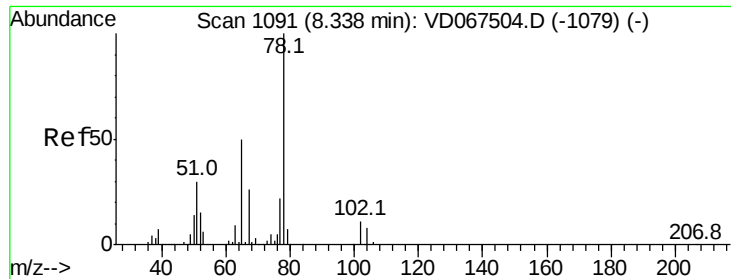
Ion Ratio Lower Upper

56 100

69 65.1 25.9 38.9#

84 60.8 76.2 114.4#

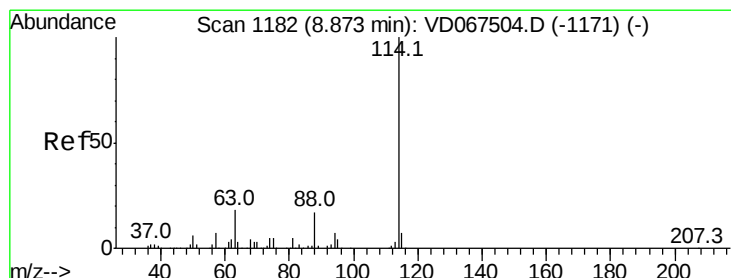
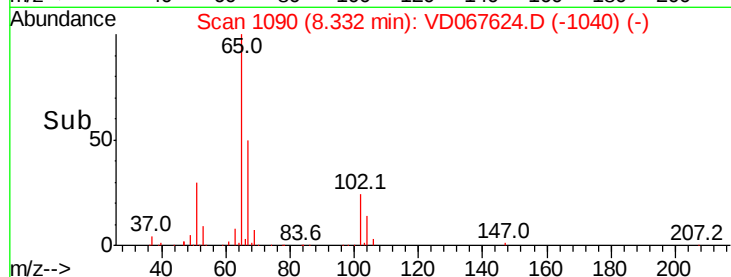
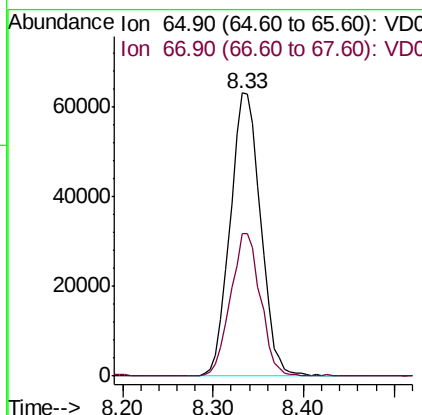
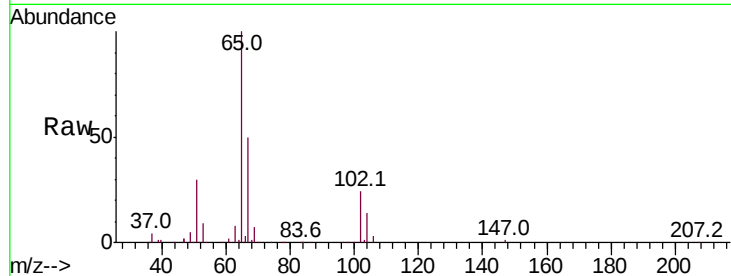




#33
 1,2-Dichloroethane-d4
 Concen: 56.458 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067624.D
 Acq: 12 Nov 2020 15:41

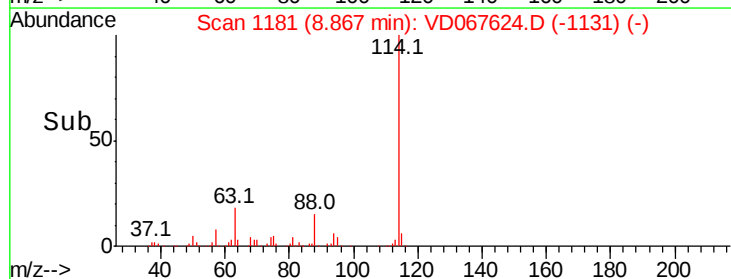
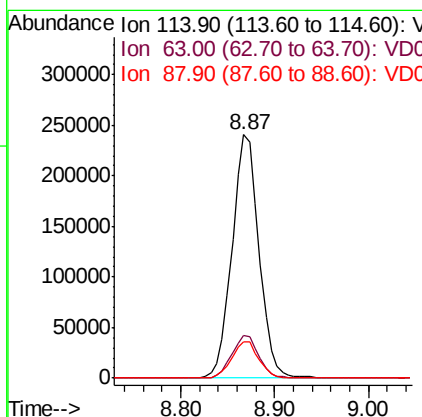
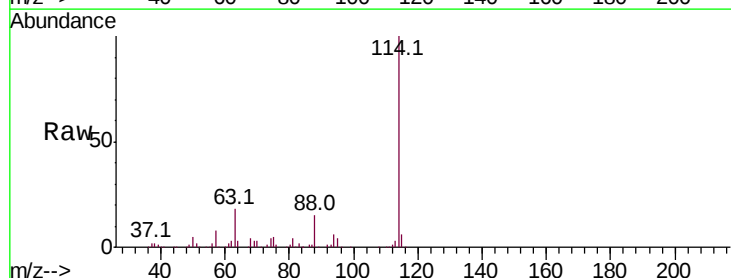
Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-34

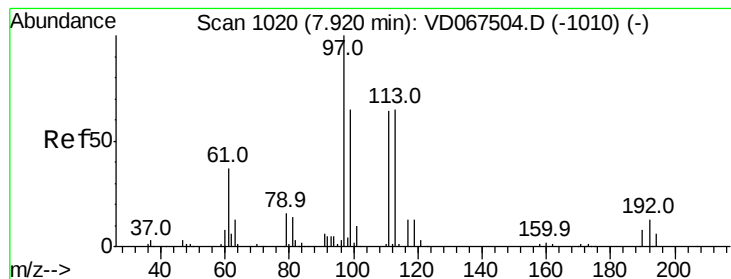
Tot Ion: 65 Resp: 147603
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067624.D
 Acq: 12 Nov 2020 15:41

Tgt Ion: 114 Resp: 477838
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.0
 88 14.8 0.0 33.0





#35

Dibromofluoromethane

Concen: 52.838 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067624.D

Acq: 12 Nov 2020 15:41

Instrument :

MSVOA_D

ClientSampleId :

RBR-34

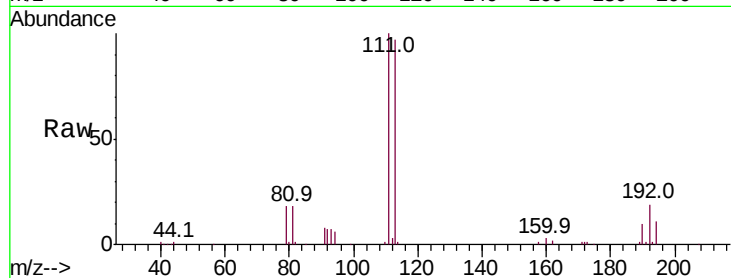
Tot Ion:113 Resp: 152119

Ion Ratio Lower Upper

113 100

111 100.6 80.0 120.0

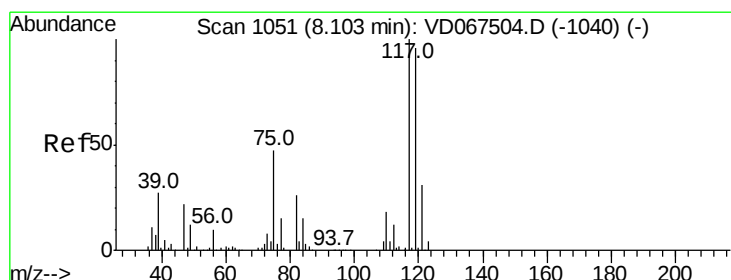
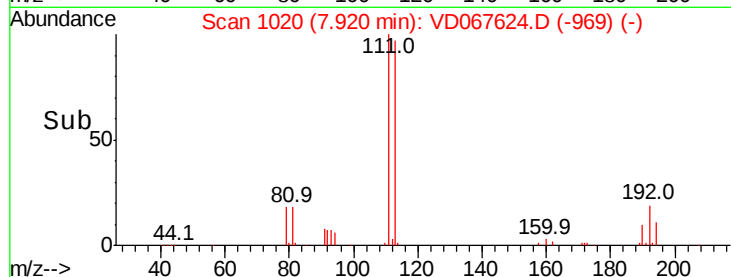
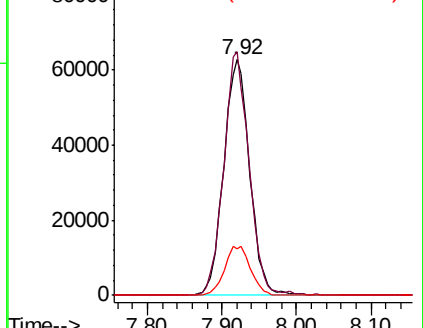
192 20.8 16.3 24.5



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



#38

Carbon Tetrachloride

Concen: 5.779 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067624.D

Acq: 12 Nov 2020 15:41

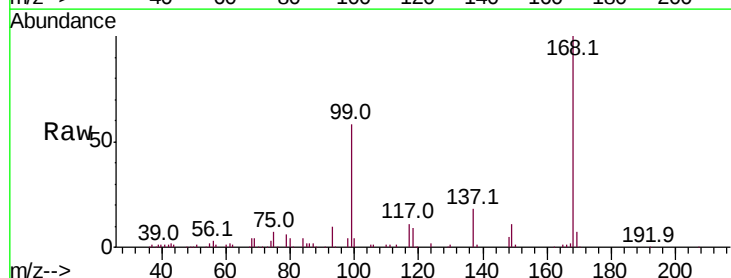
Tgt Ion:117 Resp: 30712

Ion Ratio Lower Upper

117 100

119 6.1 76.9 115.3#

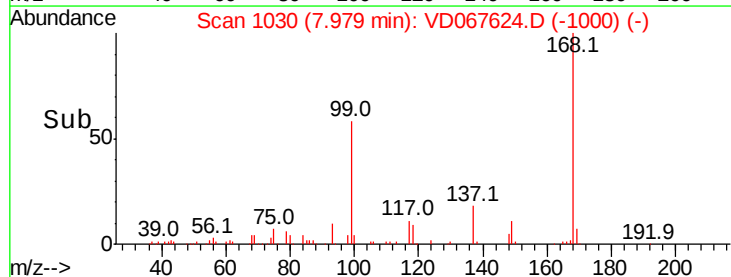
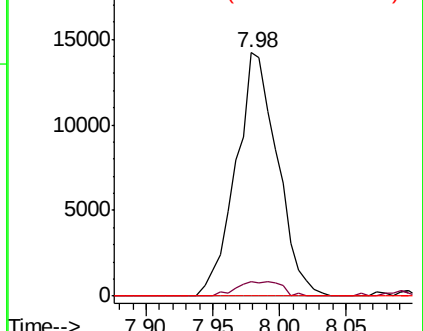
121 0.0 24.5 36.7#

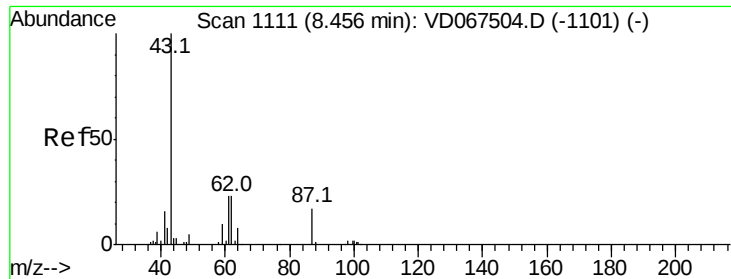


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 1.380 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067624.D

Acq: 12 Nov 2020 15:41

Instrument :

MSVOA_D

ClientSampleId :

RBR-34

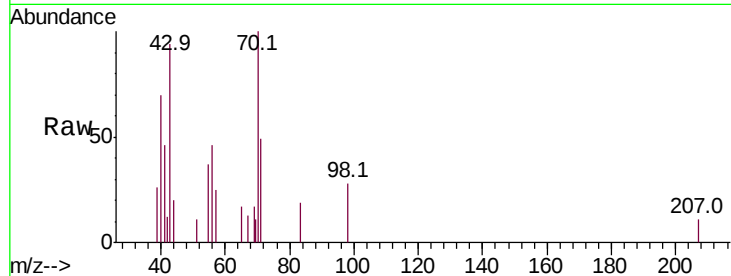
Tot Ion: 43 Resp: 2898

Ion Ratio Lower Upper

43 100

61 0.0 30.5 45.7#

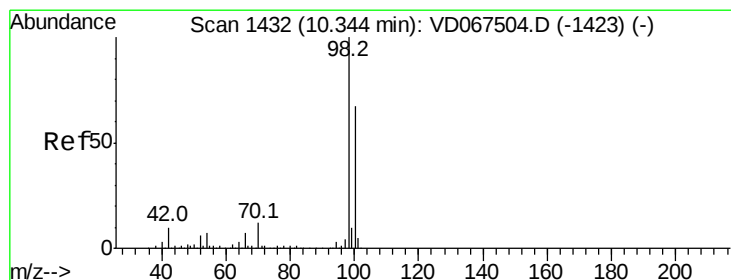
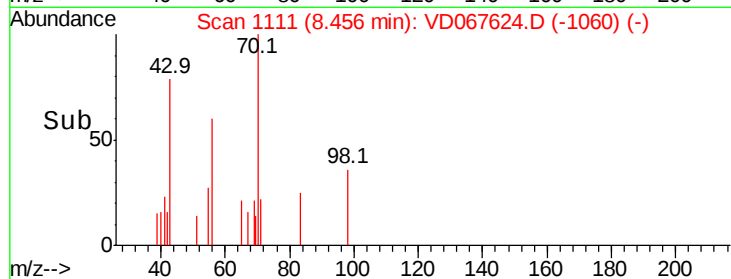
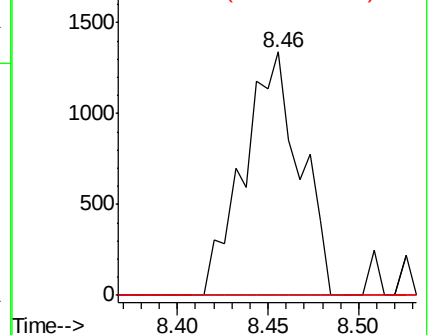
87 0.0 14.7 22.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#50

Toluene-d8

Concen: 53.569 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067624.D

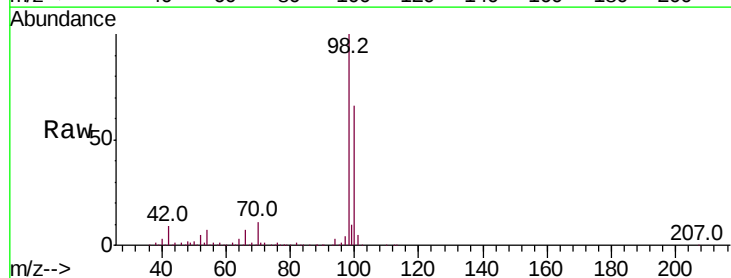
Acq: 12 Nov 2020 15:41

Tgt Ion: 98 Resp: 541978

Ion Ratio Lower Upper

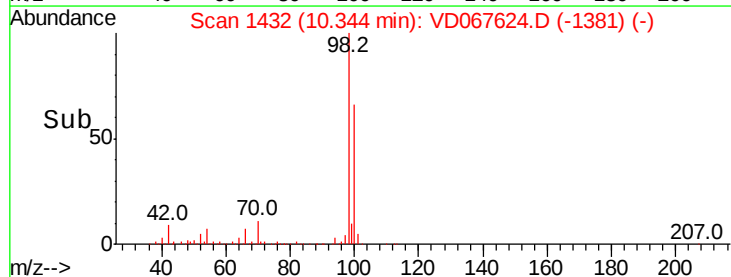
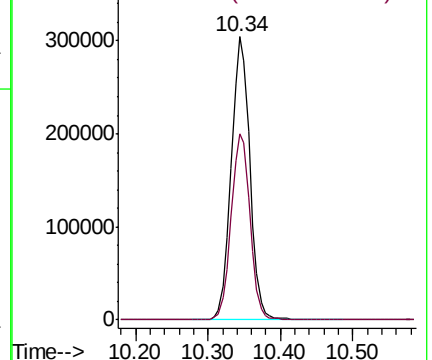
98 100

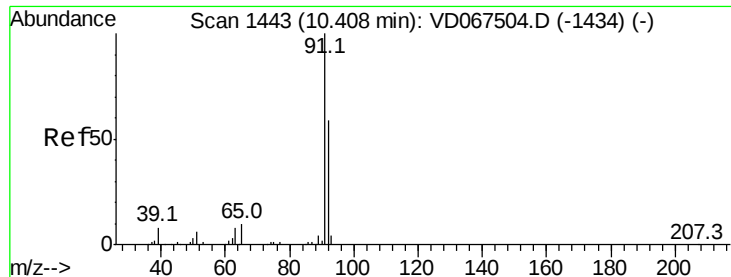
100 66.7 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#52

Toluene

Concen: 22.653 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067624.D

Acq: 12 Nov 2020 15:41

Instrument :

MSVOA_D

ClientSampleId :

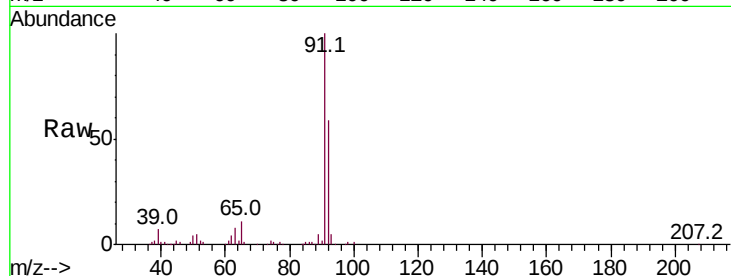
RBR-34

Tot Ion: 92 Resp: 168106

Ion Ratio Lower Upper

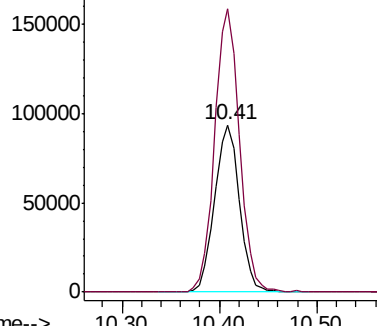
92 100

91 167.9 137.0 205.6

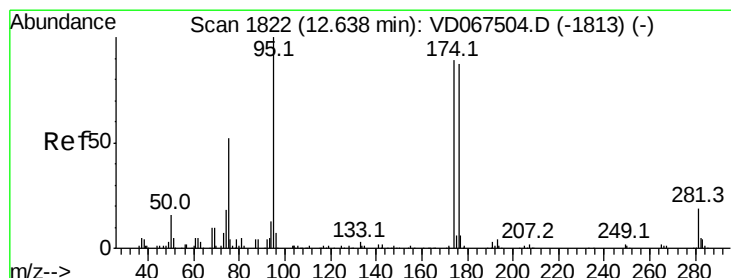
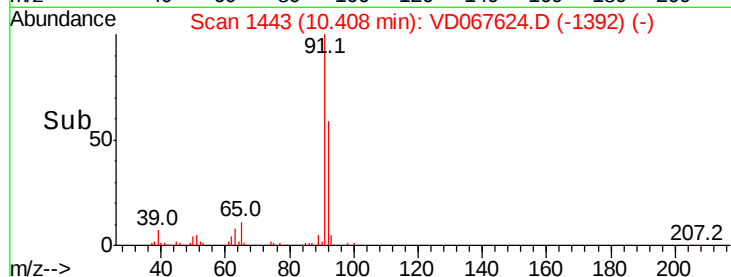


Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->



#62

4-Bromofluorobenzene

Concen: 61.157 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067624.D

Acq: 12 Nov 2020 15:41

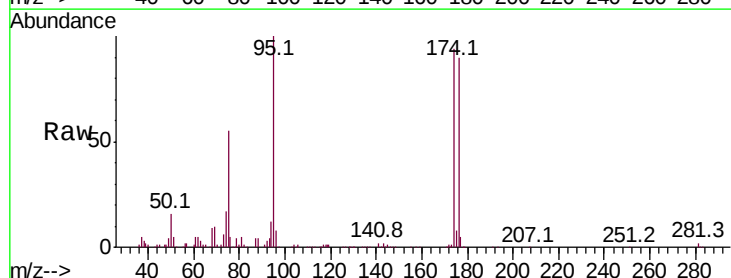
Tgt Ion: 95 Resp: 213620

Ion Ratio Lower Upper

95 100

174 90.9 0.0 177.8

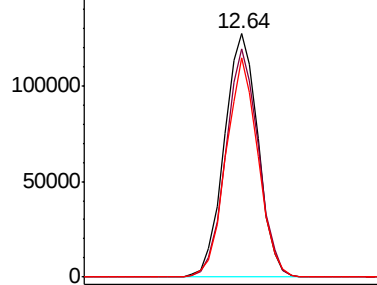
176 85.7 0.0 172.0



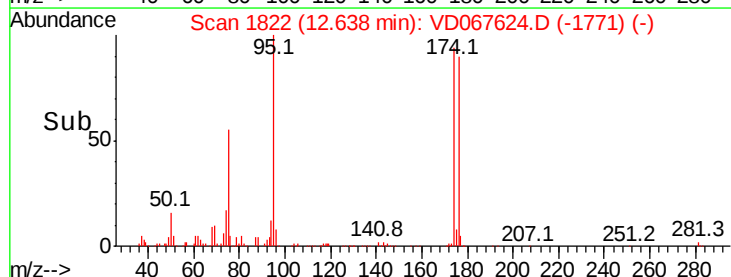
Abundance Ion 94.90 (94.60 to 95.60): VDC

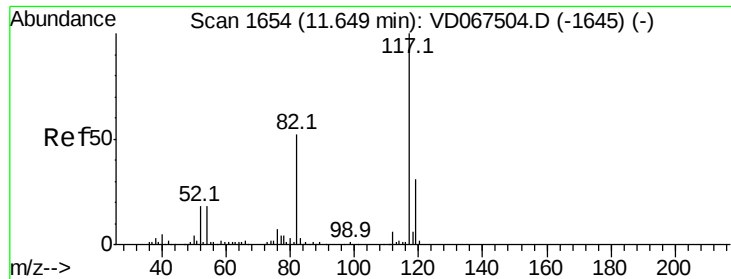
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

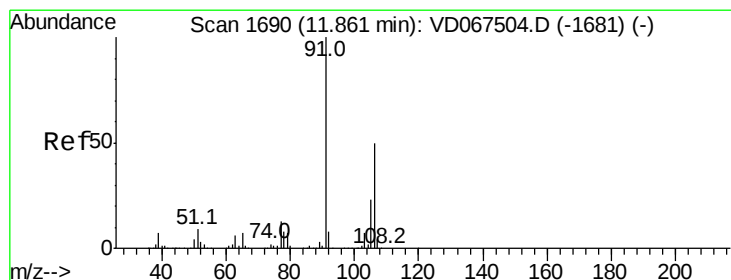
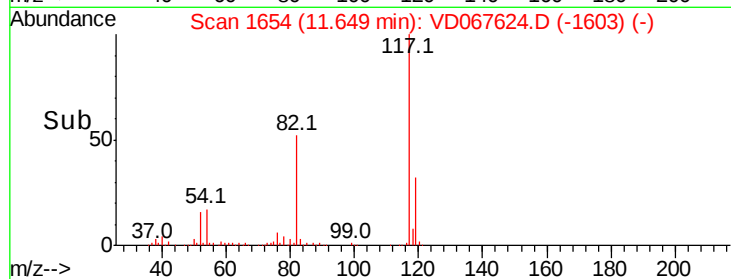
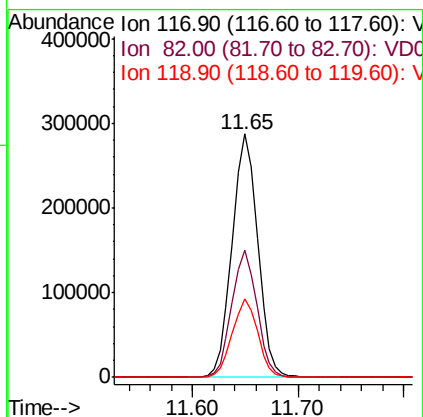
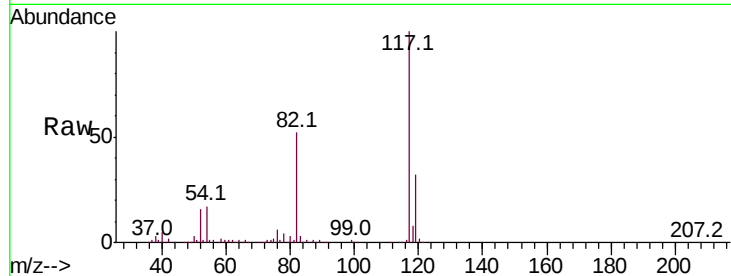




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067624.D
Acq: 12 Nov 2020 15:41

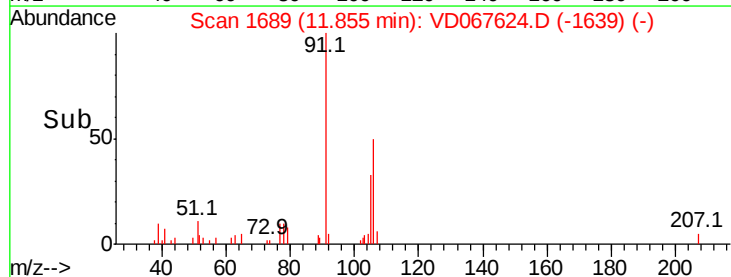
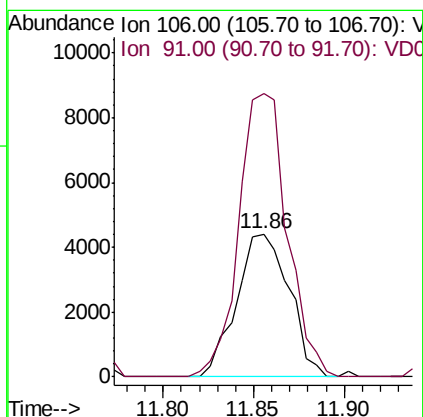
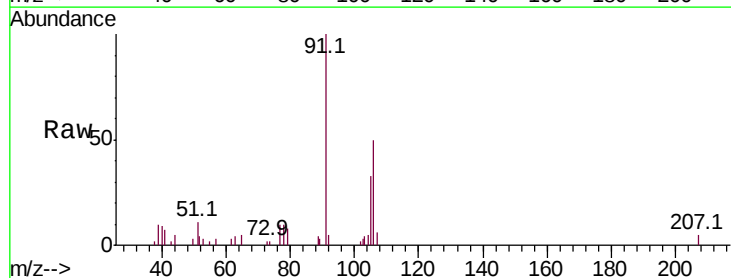
Instrument :
MSVOA_D
ClientSampleId :
RBR-34

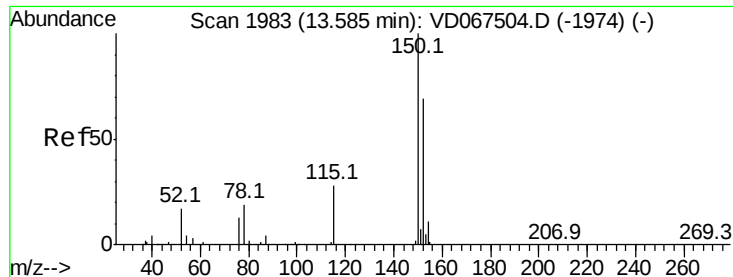
Tot Ion:117 Resp: 480482
Ion Ratio Lower Upper
117 100
82 52.0 41.6 62.4
119 32.3 25.1 37.7



#68
m/p-Xylenes
Concen: 1.442 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD067624.D
Acq: 12 Nov 2020 15:41

Tgt Ion:106 Resp: 8884
Ion Ratio Lower Upper
106 100
91 183.1 162.6 244.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067624.D

Acq: 12 Nov 2020 15:41

Instrument :

MSVOA_D

ClientSampleId :

RBR-34

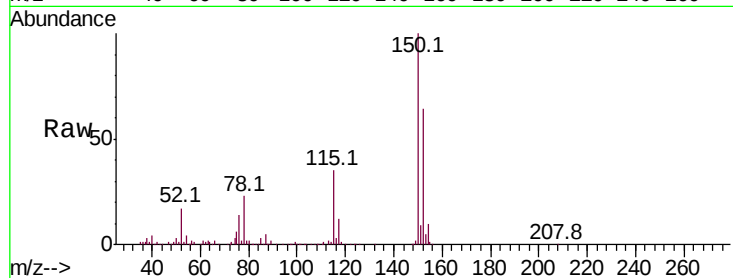
Tot Ion:152 Resp: 245717

Ion Ratio Lower Upper

152 100

115 58.1 29.3 88.0

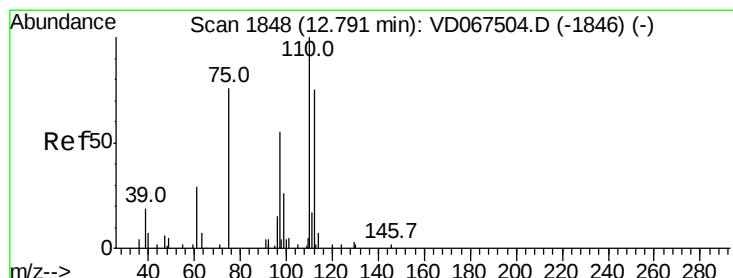
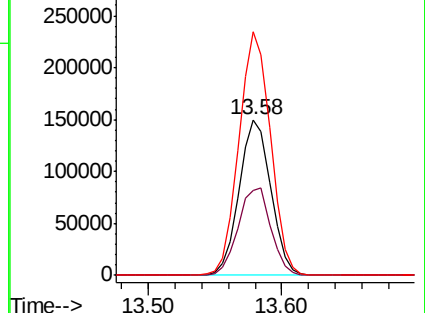
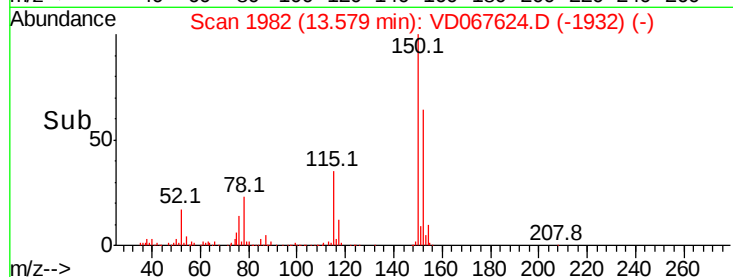
150 156.1 0.0 338.2



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: 72.741 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067624.D

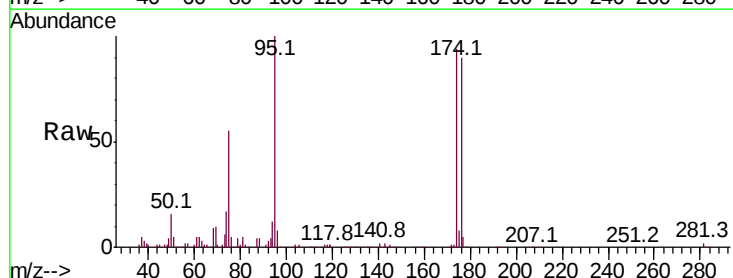
Acq: 12 Nov 2020 15:41

Tgt Ion: 75 Resp: 107825

Ion Ratio Lower Upper

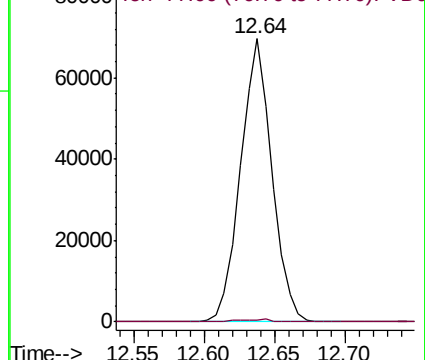
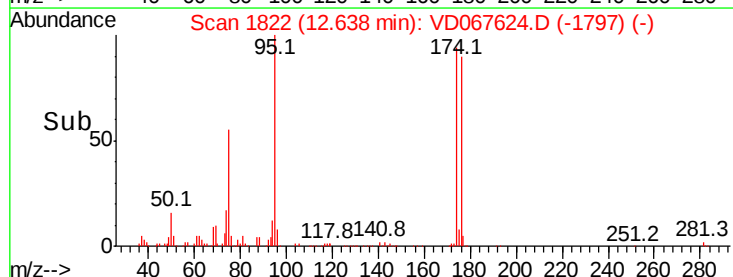
75 100

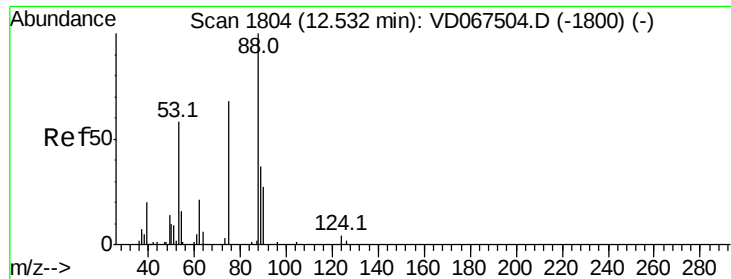
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 147.684 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067624.D

Acq: 12 Nov 2020 15:41

Instrument :

MSVOA_D

ClientSampleId :

RBR-34

Tot Ion: 75 Resp: 107825

Ion Ratio Lower Upper

75 100

53 0.1 75.9 113.9#

89 0.0 44.6 67.0#

