

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101420\
 Data File : VD067262.D
 Acq On : 14 Oct 2020 11:02
 Operator : VA/SY
 Sample : VD1014SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBL01

Quant Time: Oct 15 06:12:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	355941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	592951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	557941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271263	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	188430	52.84	ug/l	0.00
Spiked Amount			Recovery	=	105.68%	
35) Dibromofluoromethane	7.91	113	188431	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	
50) Toluene-d8	10.34	98	688425	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	
62) 4-Bromofluorobenzene	12.64	95	243738	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	

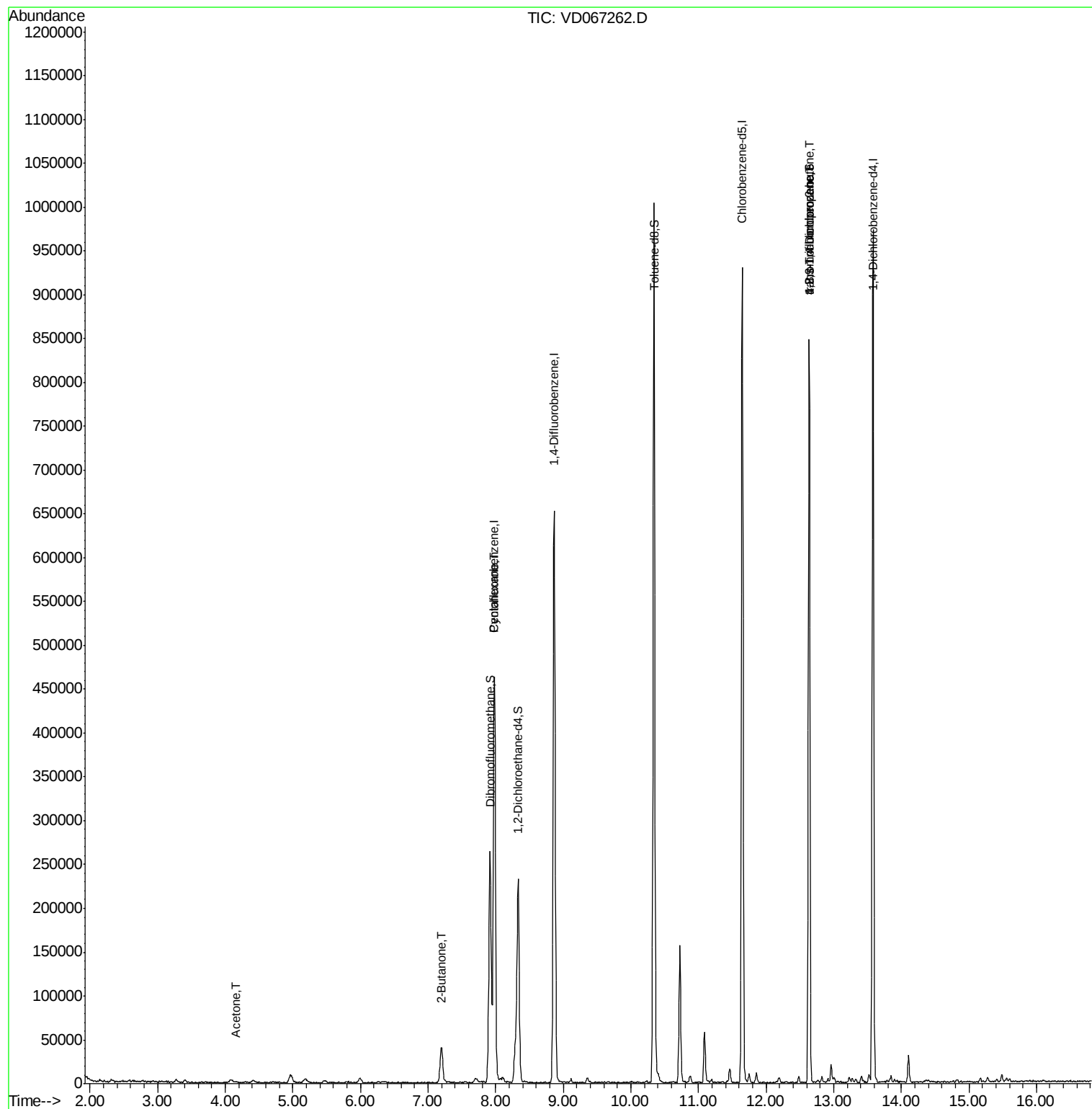
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1695	Below Cal	#	33
5) Bromomethane	2.78	94	1252	Below Cal		95
11) Tert butyl alcohol	5.17	59	4345	Below Cal	#	81
16) Acetone	4.16	43	1566	3.136	ug/l #	42
20) Methylene Chloride	4.97	84	8081	Below Cal	#	83
25) 2-Butanone	7.20	43	2196	3.857	ug/l #	78
31) Cyclohexane	7.98	56	8295	2.020	ug/l #	6
76) 1,2,3-Trichloropropane	12.64	75	122451	65.130	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	122451	147.695	ug/l #	10

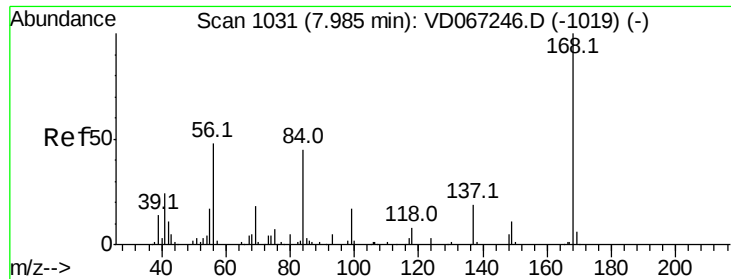
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 15 06:12:35 2020
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Quant Title : SW846 8260
QLast Update : Wed Oct 14 03:30:30 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067262.D

Acq: 14 Oct 2020 11:02

Instrument :

MSVOA_D

ClientSampleId :

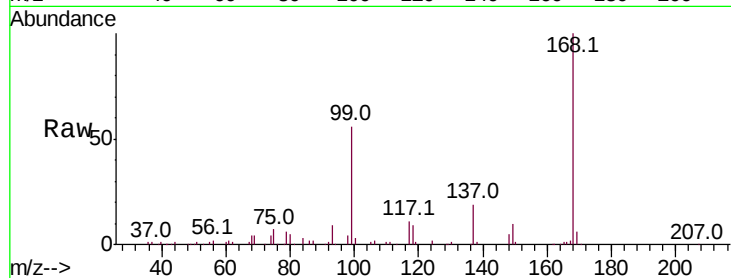
VD1014SBL01

Tot Ion:168 Resp: 355941

Ion Ratio Lower Upper

168 100

99 56.0 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

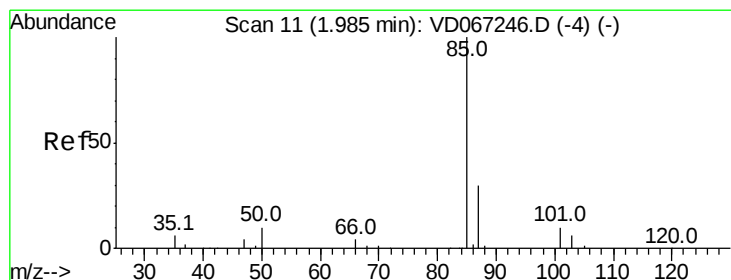
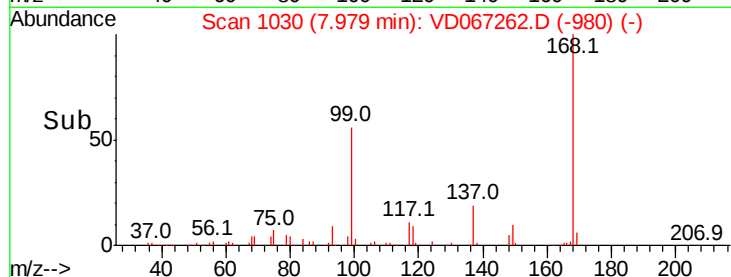
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067262.D

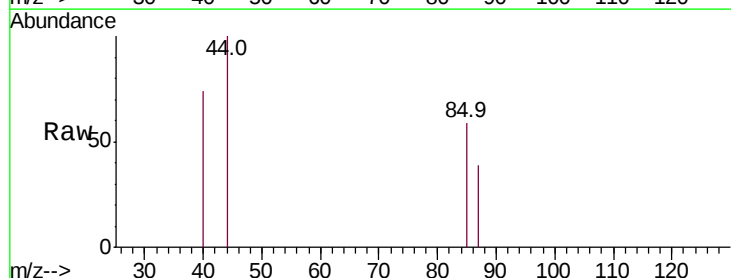
Acq: 14 Oct 2020 11:02

Tgt Ion: 85 Resp: 1695

Ion Ratio Lower Upper

85 100

87 67.1 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

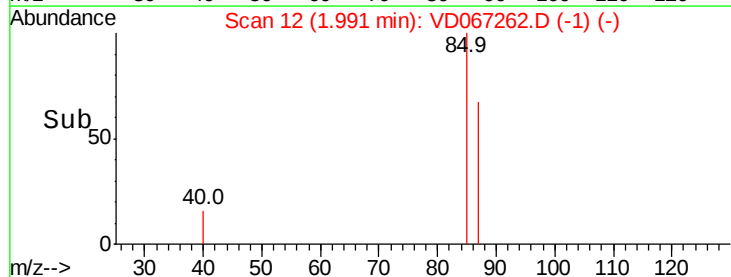
1000

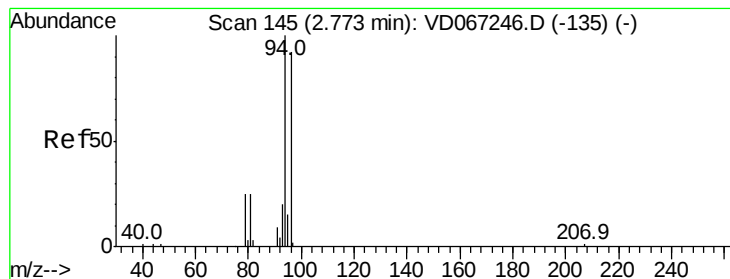
500

0

Time-->

1.95 2.00 2.05





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067262.D

Acq: 14 Oct 2020 11:02

Instrument :

MSVOA_D

ClientSampleId :

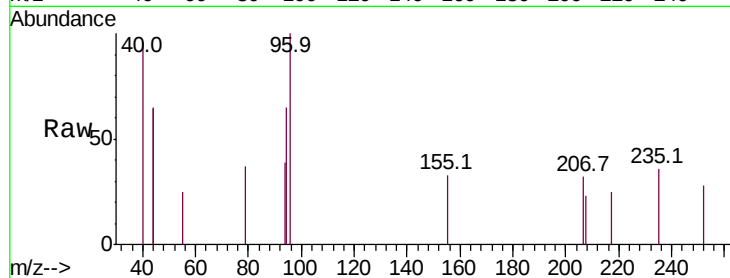
VD1014SBL01

Tot Ion: 94 Resp: 1252

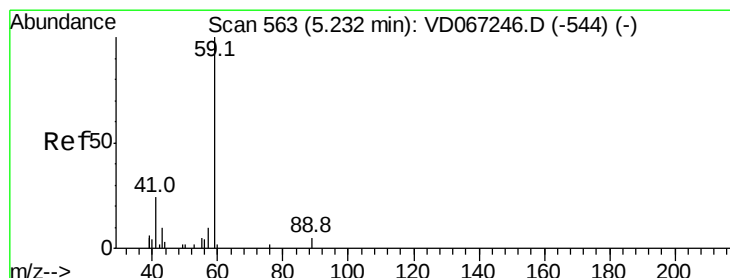
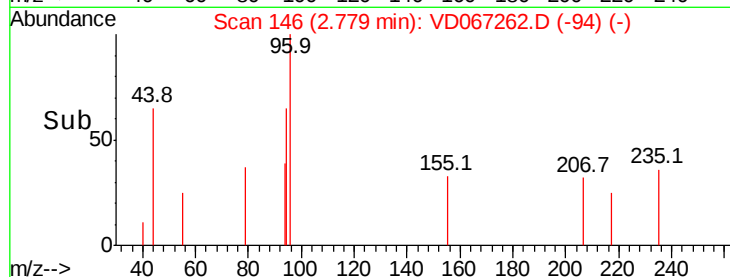
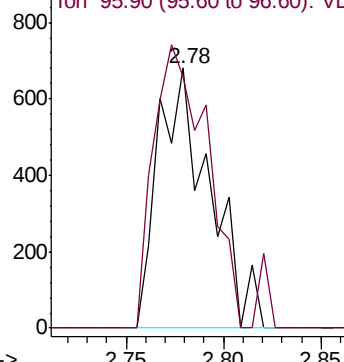
Ion Ratio Lower Upper

94 100

96 96.6 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 553

Delta R.T. -0.06 min

Lab File: VD067262.D

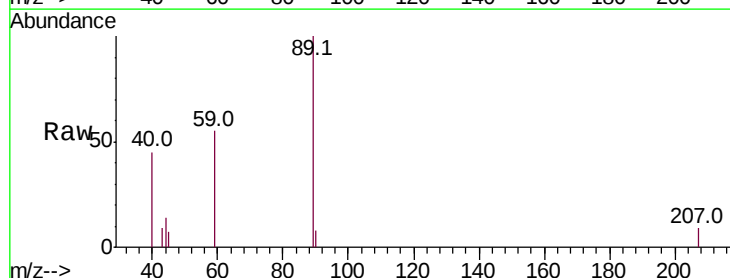
Acq: 14 Oct 2020 11:02

Tgt Ion: 59 Resp: 4345

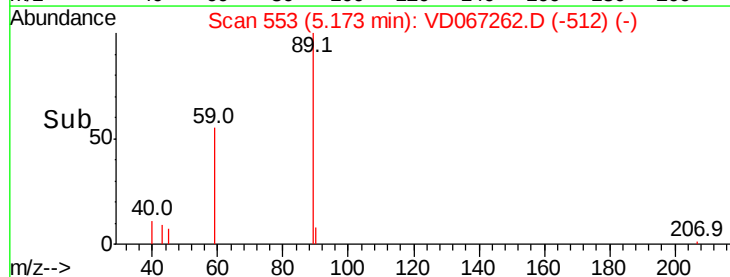
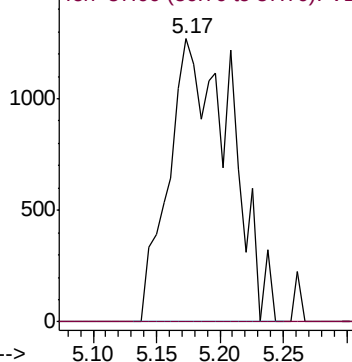
Ion Ratio Lower Upper

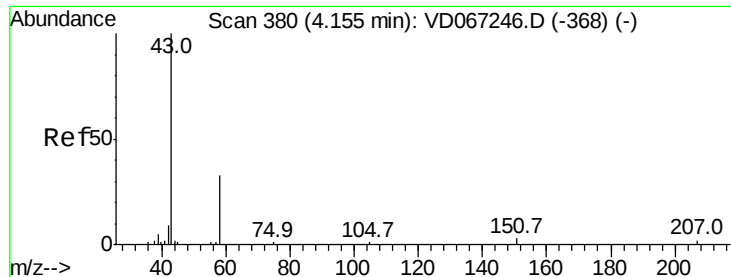
59 100

57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC





#16

Acetone

Concen: 3.136 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067262.D

Acq: 14 Oct 2020 11:02

Instrument :

MSVOA_D

ClientSampleId :

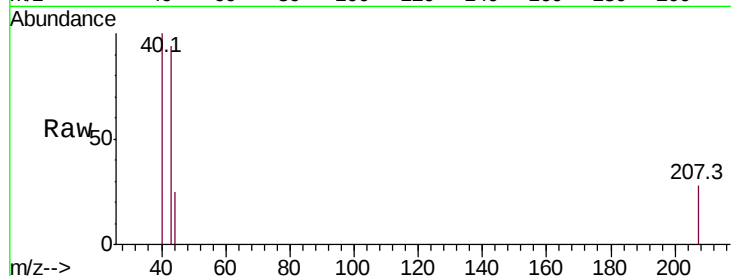
VD1014SBL01

Tot Ion: 43 Resp: 1566

Ion Ratio Lower Upper

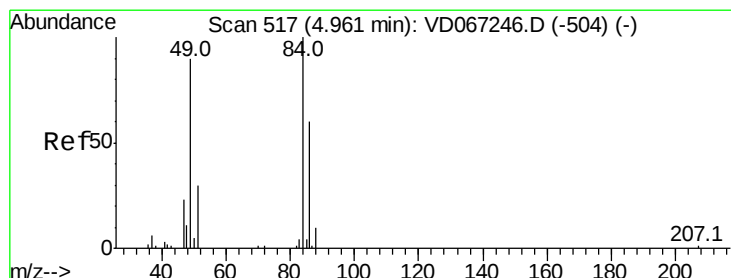
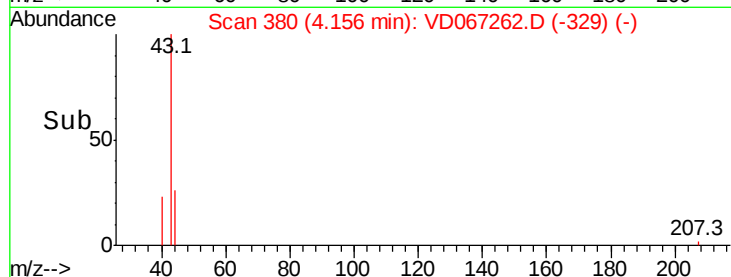
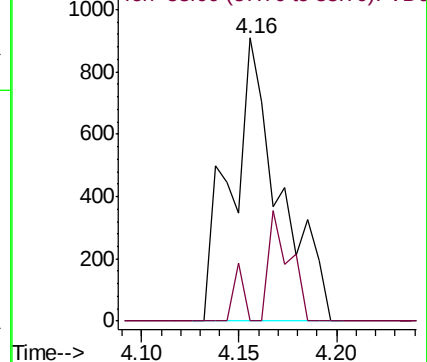
43 100

58 0.0 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067262.D

Acq: 14 Oct 2020 11:02

Tgt Ion: 84 Resp: 8081

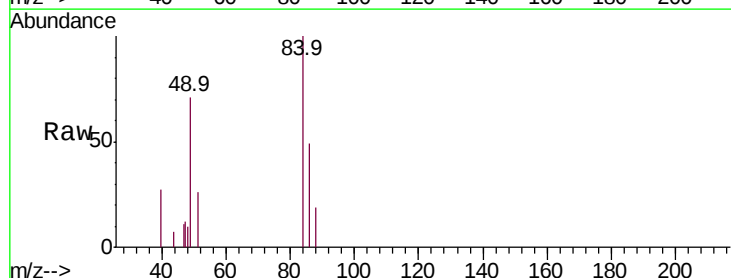
Ion Ratio Lower Upper

84 100

49 70.8 72.2 108.2#

51 25.9 23.8 35.8

86 48.7 48.2 72.4

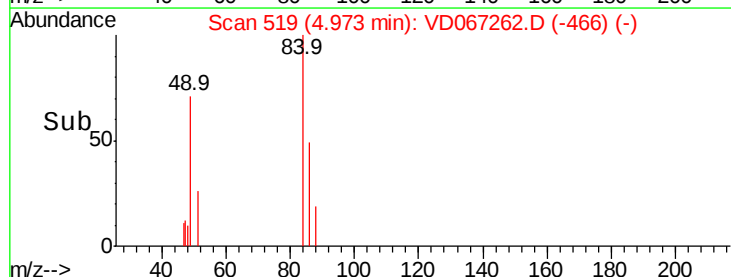
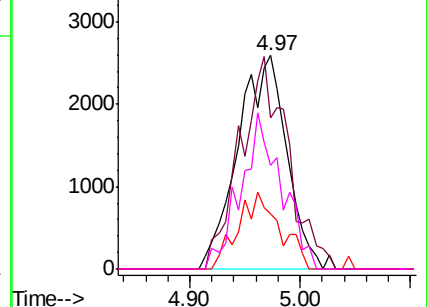


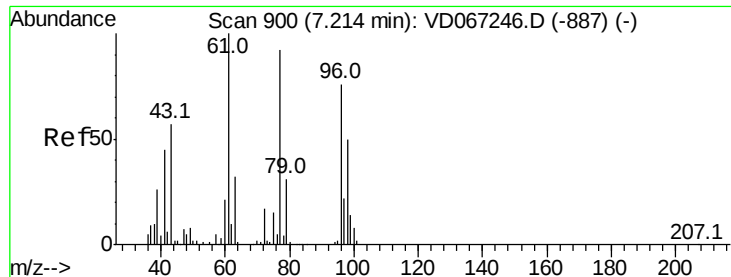
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

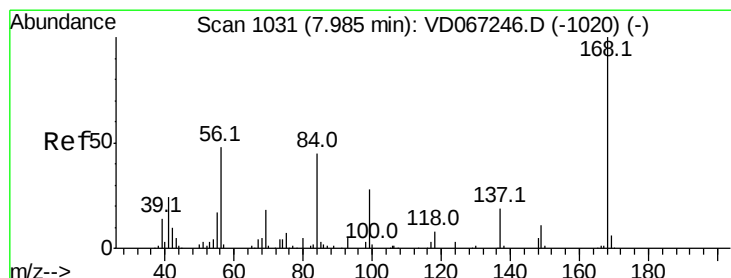
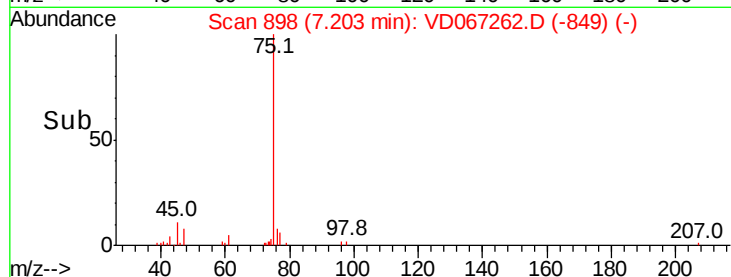
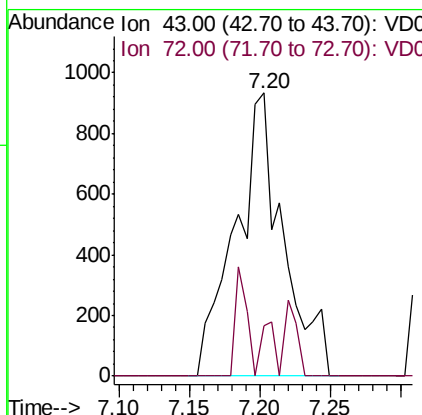
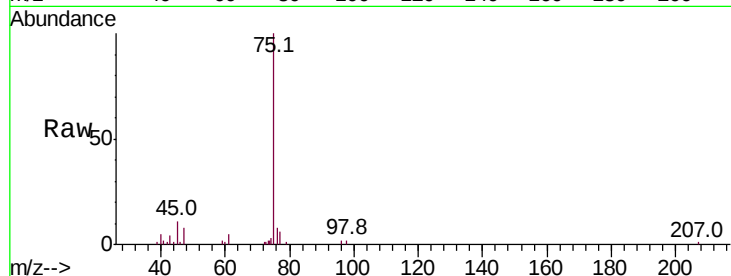




#25
2-Butanone
Concen: 3.857 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD067262.D
Acq: 14 Oct 2020 11:02

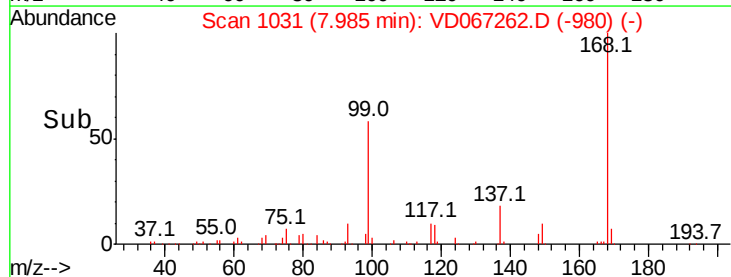
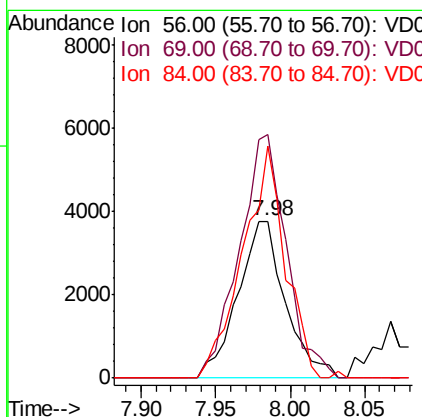
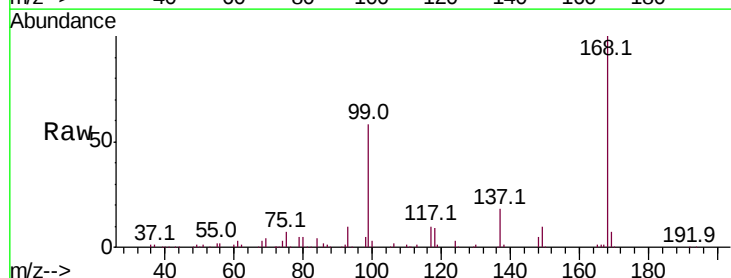
Instrument :
MSVOA_D
ClientSampleId :
VD1014SBL01

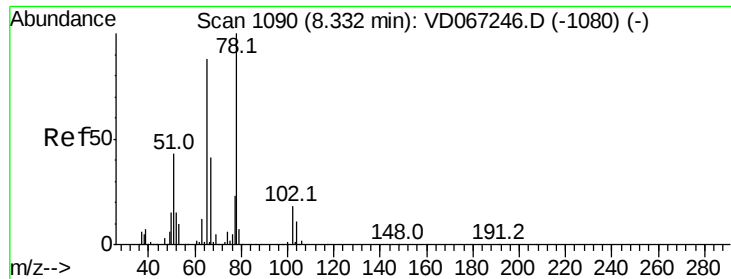
Tot Ion: 43 Resp: 2196
Ion Ratio Lower Upper
43 100
72 18.0 23.7 35.5#



#31
Cyclohexane
Concen: 2.020 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067262.D
Acq: 14 Oct 2020 11:02

Tgt Ion: 56 Resp: 8295
Ion Ratio Lower Upper
56 100
69 155.4 29.8 44.6#
84 148.5 76.6 114.8#

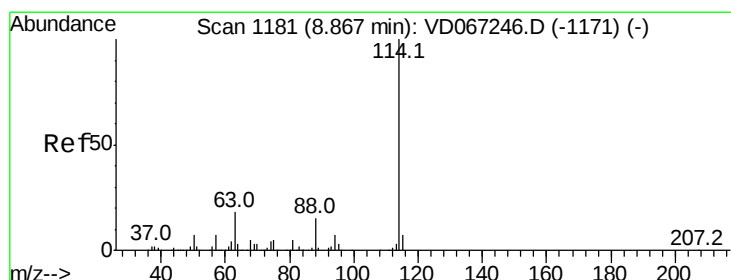
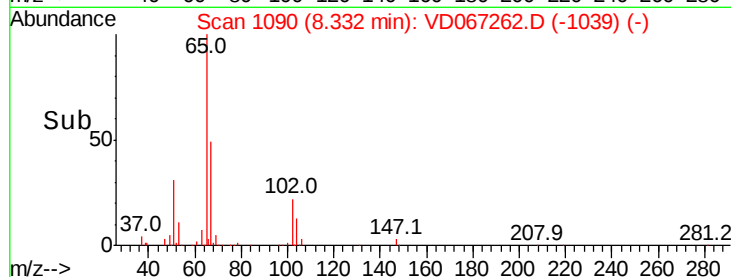
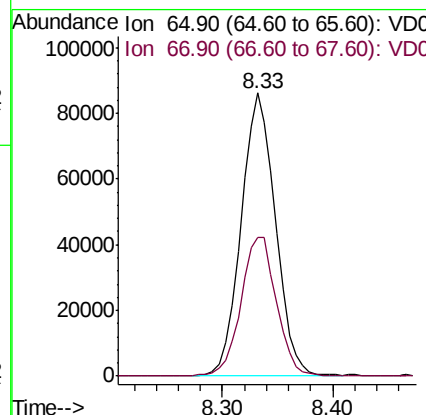
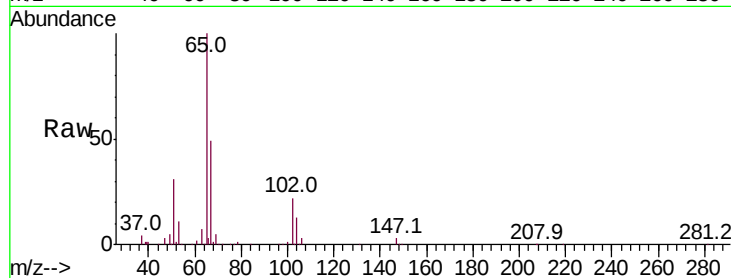




#33
 1,2-Dichloroethane-d4
 Concen: 52.841 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067262.D
 Acq: 14 Oct 2020 11:02

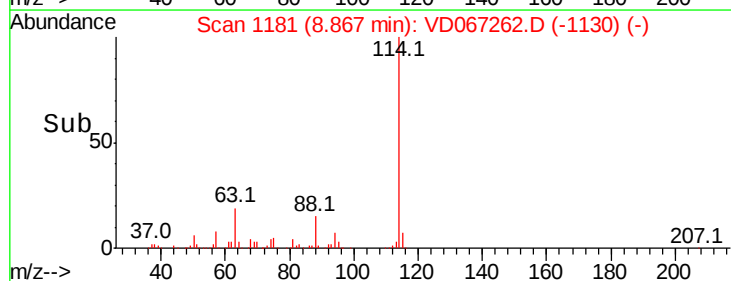
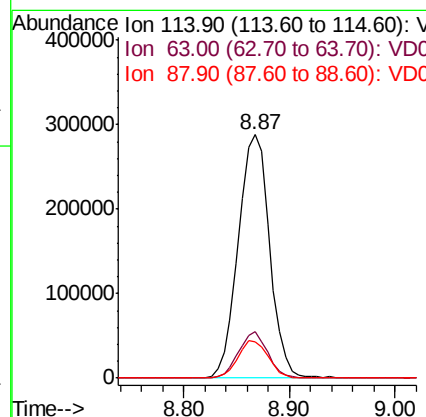
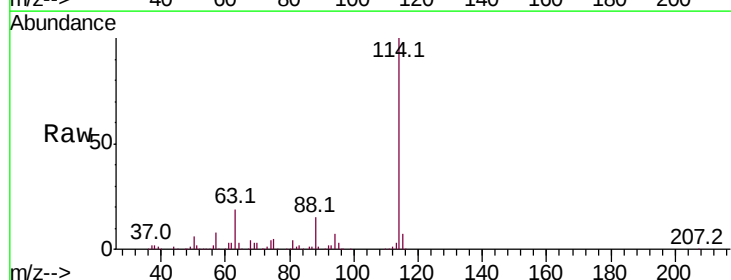
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBL01

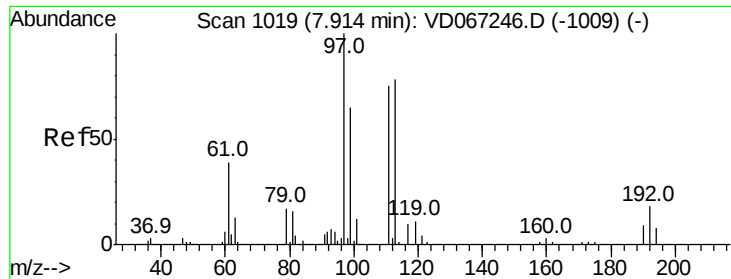
Tot Ion: 65 Resp: 188430
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067262.D
 Acq: 14 Oct 2020 11:02

Tgt Ion: 114 Resp: 592951
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 35.0
 88 15.1 0.0 30.6

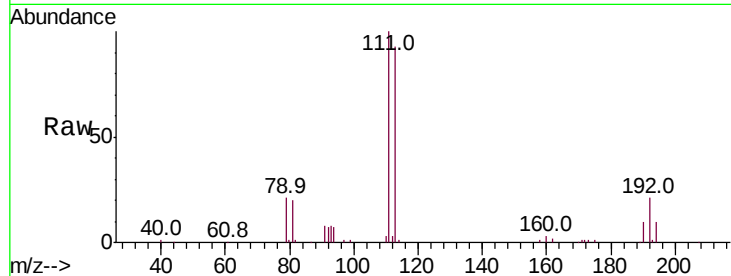




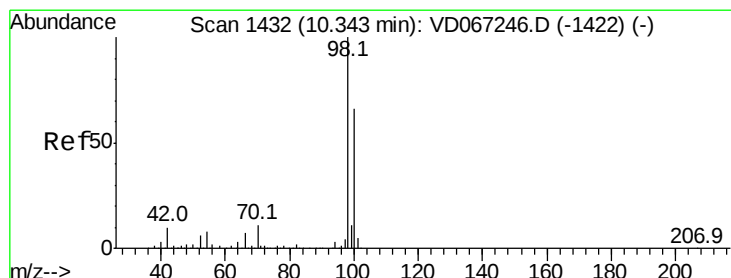
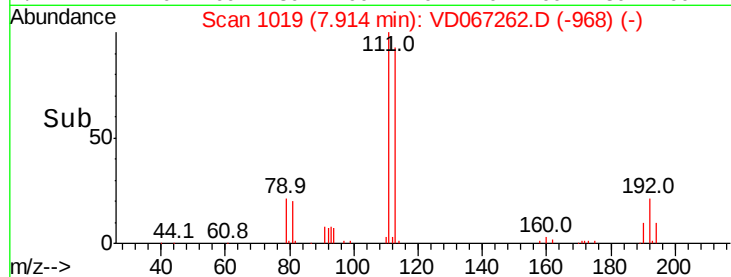
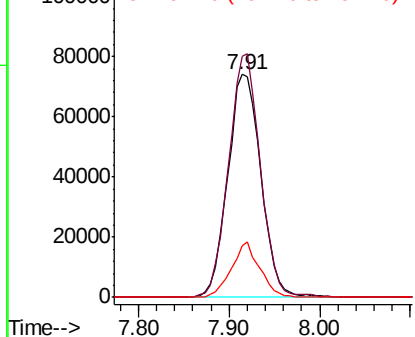
#35
 Dibromofluoromethane
 Concen: 47.751 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067262.D
 Acq: 14 Oct 2020 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBL01

Tot Ion:113 Resp: 188431
 Ion Ratio Lower Upper
 113 100
 111 104.6 81.6 122.4
 192 21.1 17.0 25.4

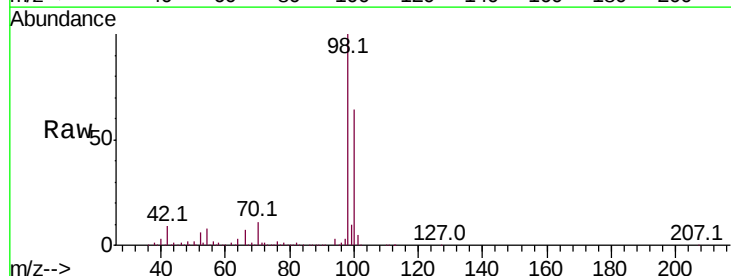


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

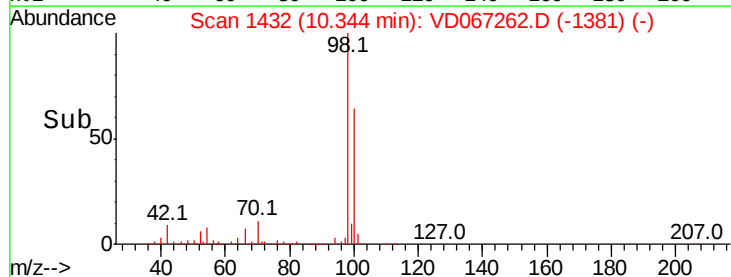
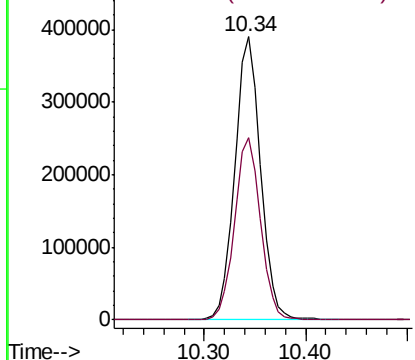


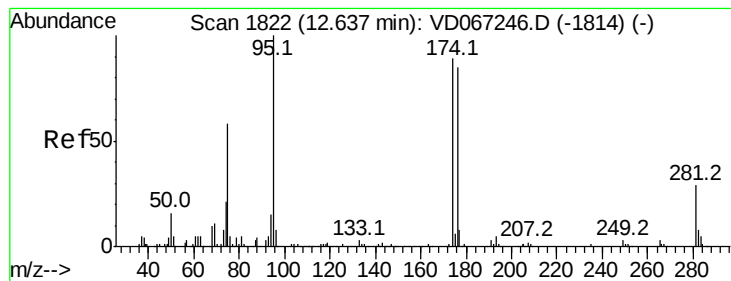
#50
 Toluene-d8
 Concen: 48.207 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD067262.D
 Acq: 14 Oct 2020 11:02

Tgt Ion: 98 Resp: 688425
 Ion Ratio Lower Upper
 98 100
 100 64.8 53.1 79.7



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





#62

4-Bromofluorobenzene

Concen: 49.085 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067262.D

Acq: 14 Oct 2020 11:02

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBL01

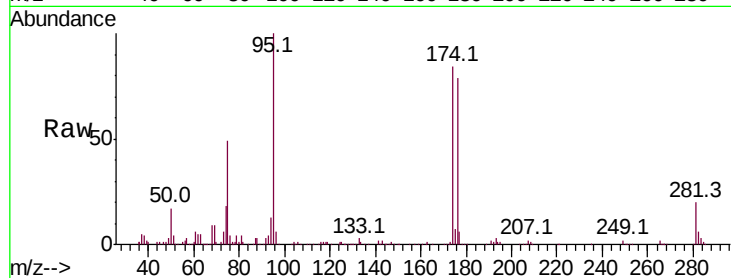
Tot Ion: 95 Resp: 243738

Ion Ratio Lower Upper

95 100

174 86.5 0.0 175.2

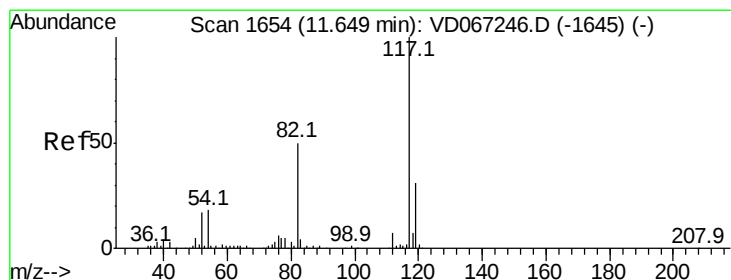
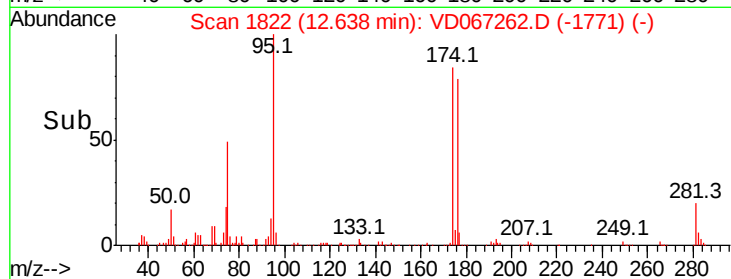
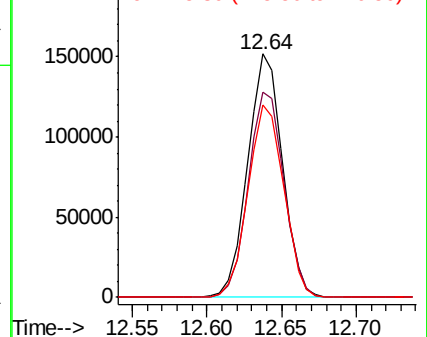
176 81.2 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): V

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. 0.00 min

Lab File: VD067262.D

Acq: 14 Oct 2020 11:02

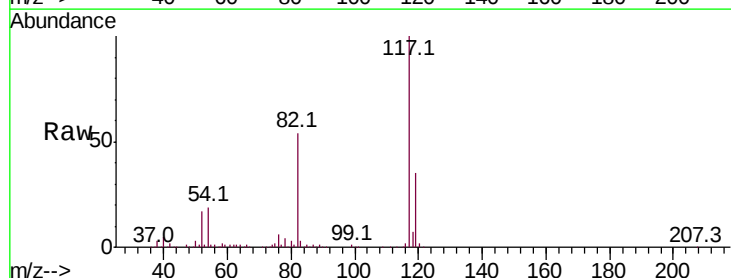
Tgt Ion: 117 Resp: 557941

Ion Ratio Lower Upper

117 100

82 54.0 39.9 59.9

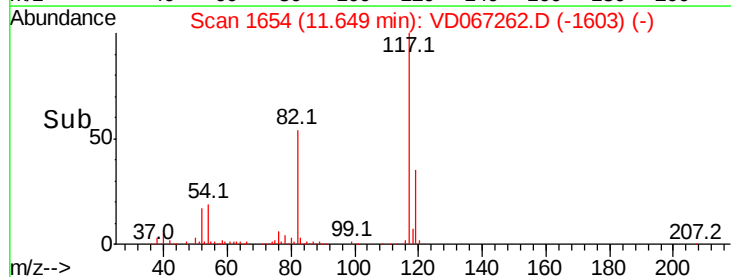
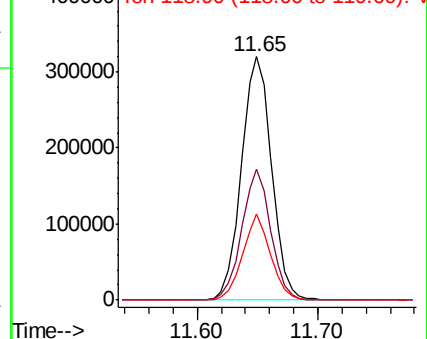
119 35.4 24.9 37.3

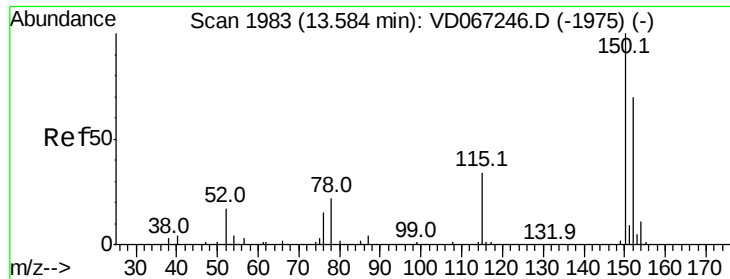


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD067262.D

Acq: 14 Oct 2020 11:02

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBL01

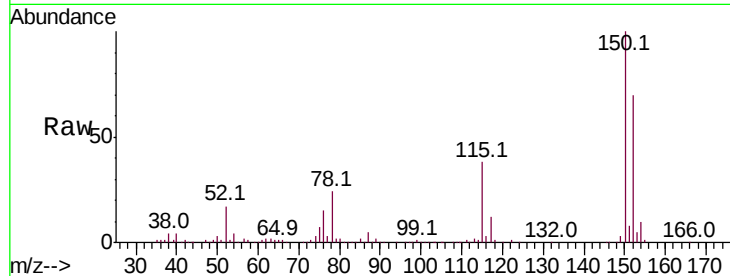
Tot Ion:152 Resp: 271263

Ion Ratio Lower Upper

152 100

115 57.5 29.3 87.9

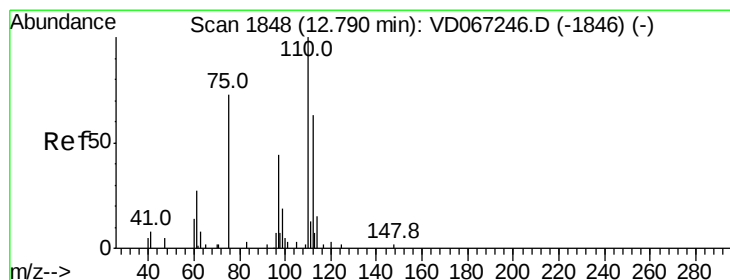
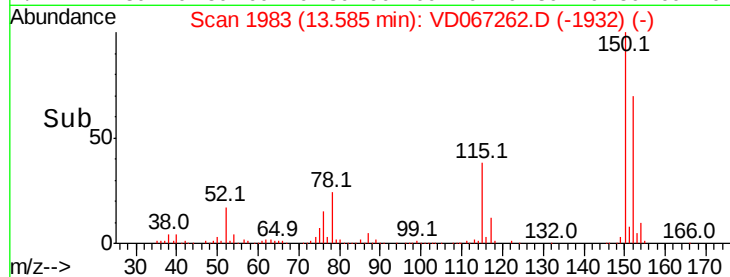
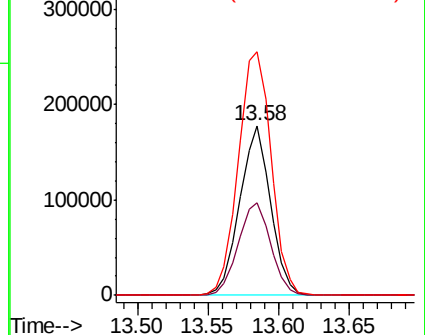
150 153.5 0.0 339.0



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: 65.130 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067262.D

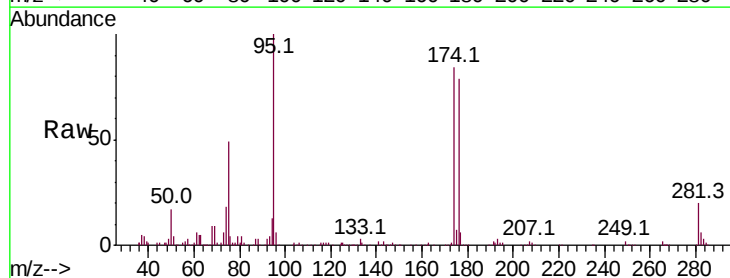
Acq: 14 Oct 2020 11:02

Tgt Ion: 75 Resp: 122451

Ion Ratio Lower Upper

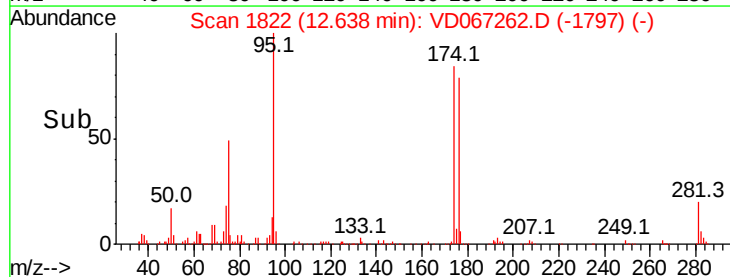
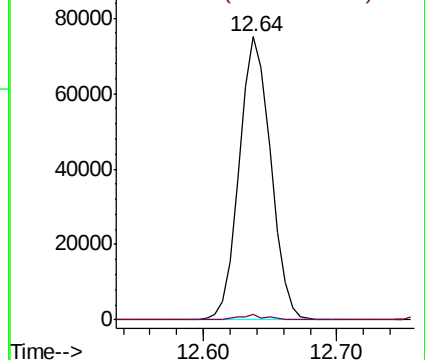
75 100

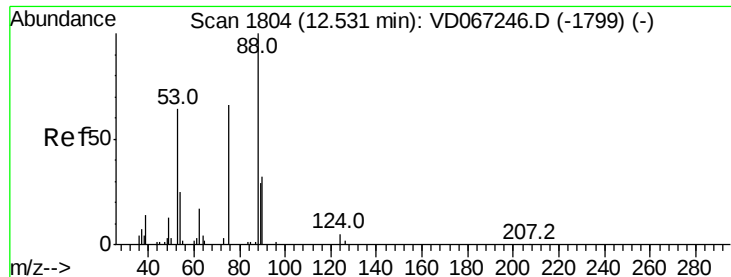
77 1.5 0.0 0.0#



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: 147.695 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067262.D

Acq: 14 Oct 2020 11:02

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBL01

Tot Ion: 75 Resp: 122451

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.1 39.9 59.9#

