

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111620\
 Data File : VD067646.D
 Acq On : 16 Nov 2020 17:40
 Operator : VA/SY
 Sample : L4758-02
 Misc : 5.01G/5.01ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

Quant Time: Nov 17 01:09:13 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	168098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	271636	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	304535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	161139	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	97735	66.49	ug/l	0.00
Spiked Amount			Recovery	=	132.98%	
35) Dibromofluoromethane	7.92	113	92783	56.69	ug/l	0.00
Spiked Amount			Recovery	=	113.38%	
50) Toluene-d8	10.34	98	326069	56.69	ug/l	0.00
Spiked Amount			Recovery	=	113.38%	
62) 4-Bromofluorobenzene	12.64	95	133394	67.18	ug/l	0.00
Spiked Amount			Recovery	=	134.36%	

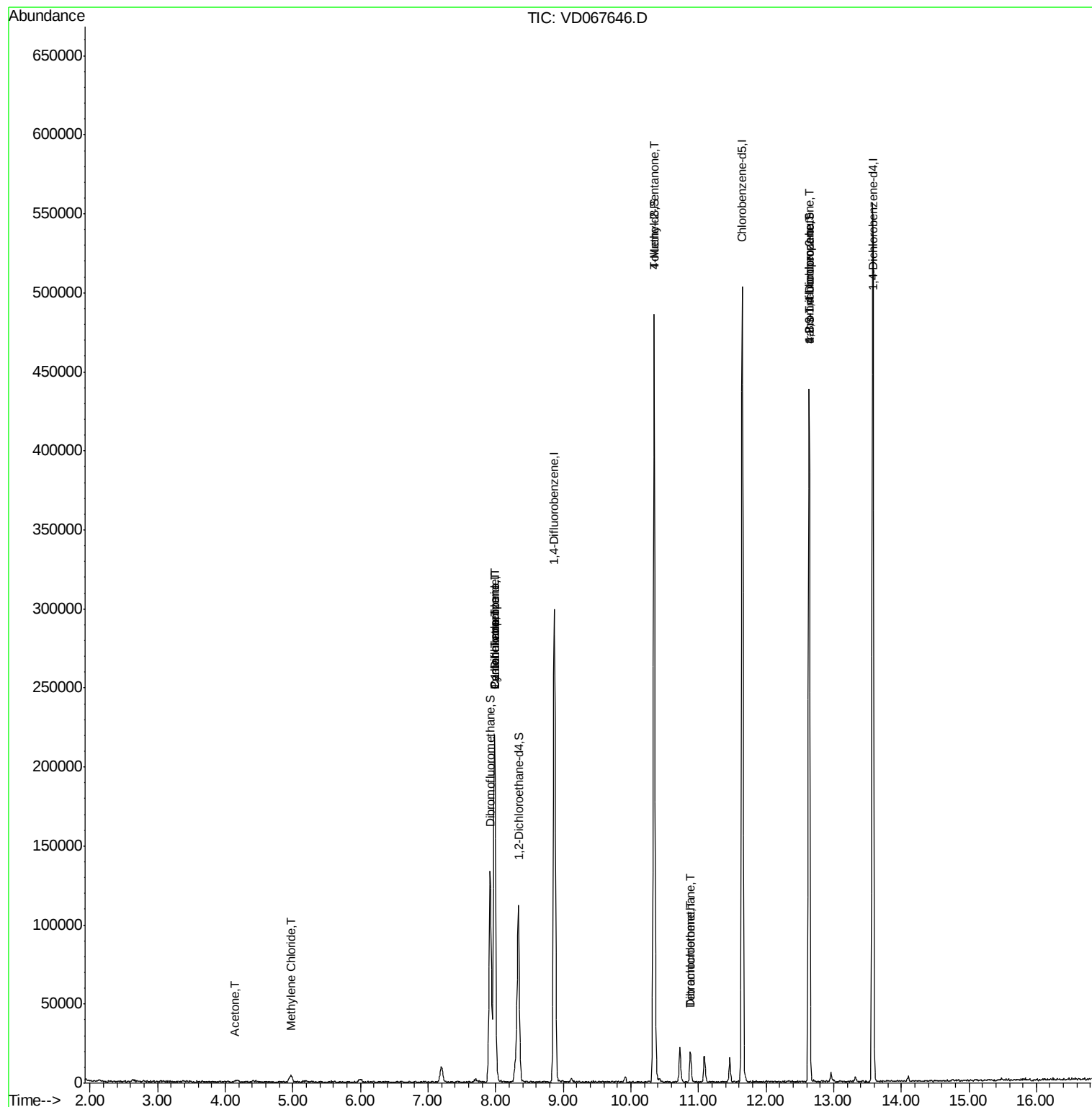
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	72	Below Cal	#	44
11) Tert butyl alcohol	5.21	59	390	Below Cal	#	79
16) Acetone	4.14	43	1686	7.665	ug/l #	43
20) Methylene Chloride	4.97	84	4196	2.701	ug/l #	91
31) Cyclohexane	7.98	56	3524	1.653	ug/l #	45
36) 1,1-Dichloropropene	7.98	75	11503	4.947	ug/l #	50
38) Carbon Tetrachloride	7.98	117	17099	5.660	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	1145	2.005	ug/l #	1
60) Dibromochloromethane	10.88	129	4308	2.542	ug/l #	11
64) Tetrachloroethene	10.88	164	4717	2.091	ug/l #	84
76) 1,2,3-Trichloropropane	12.64	75	67664	69.607	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	67664	141.321	ug/l #	10

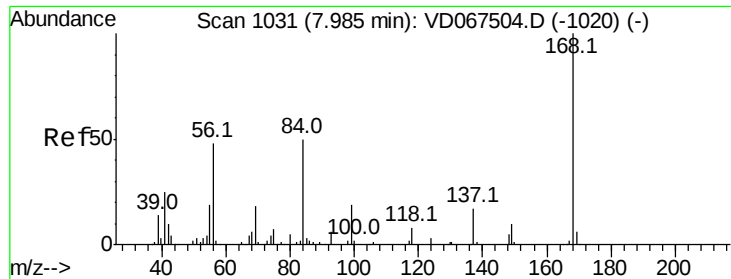
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111620\
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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: VD067646.D

Acq: 16 Nov 2020 17:40

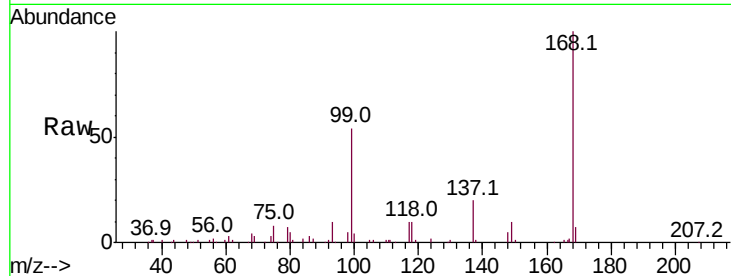
Instrument :
MSVOA_D
ClientSampled :
VOC

Tot Ion:168 Resp: 168098

Ion Ratio Lower Upper

168 100

99 53.7 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

60000

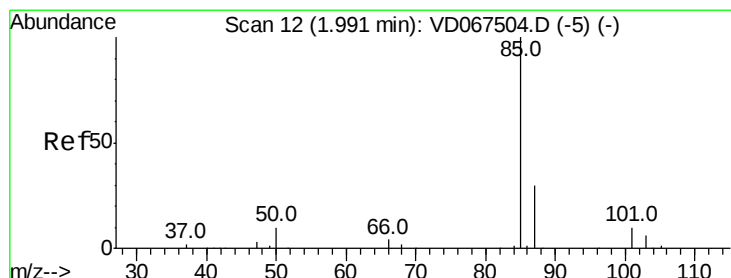
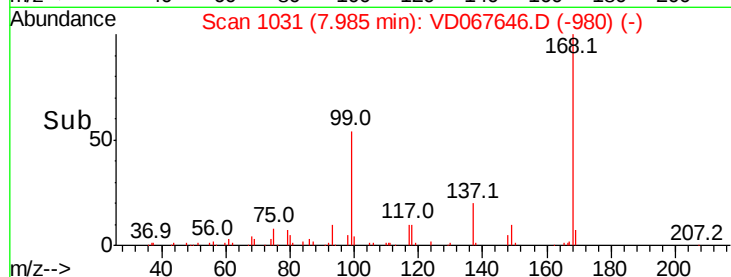
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD067646.D

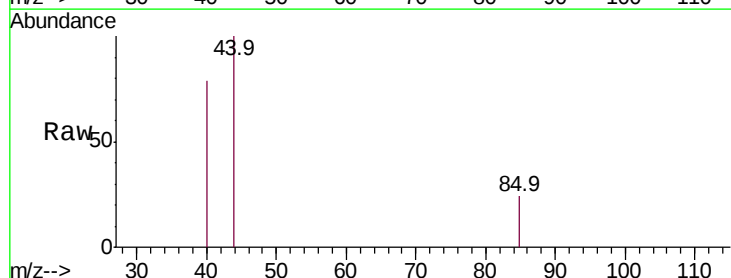
Acq: 16 Nov 2020 17:40

Tgt Ion: 85 Resp: 72

Ion Ratio Lower Upper

85 100

87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

200

150

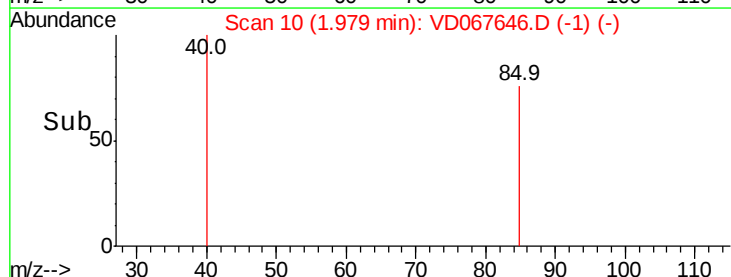
100

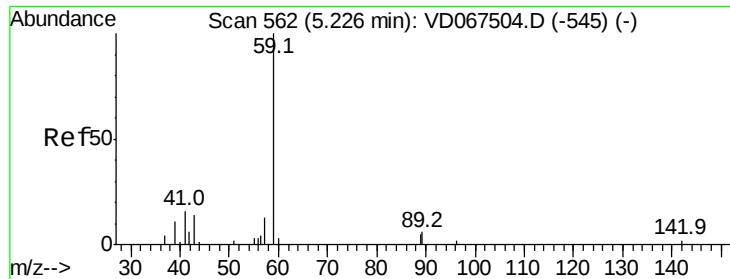
50

0

1.96 1.97 1.98 1.99

Time-->

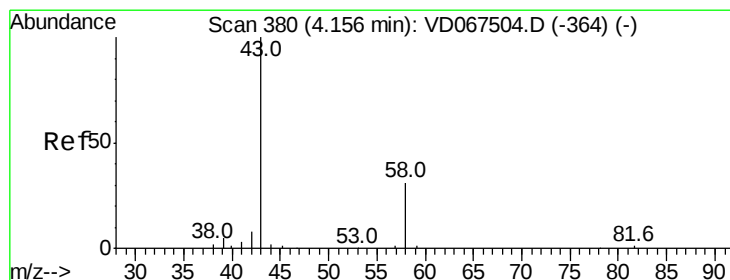
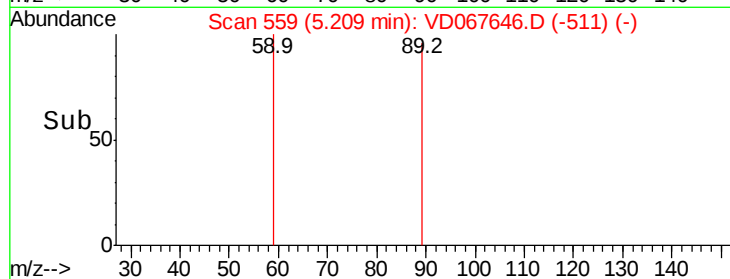
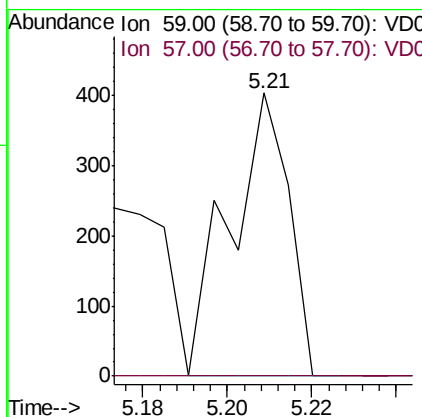
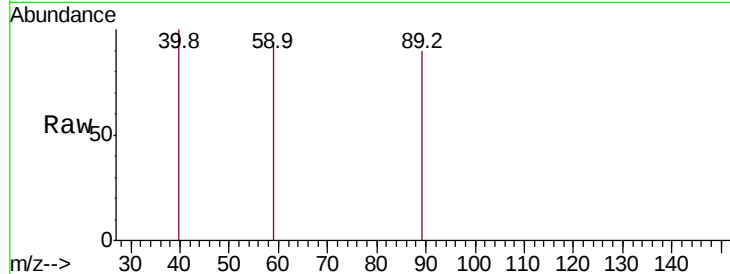




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD067646.D
Acq: 16 Nov 2020 17:40

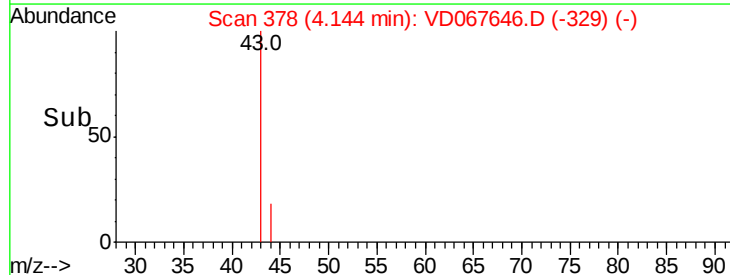
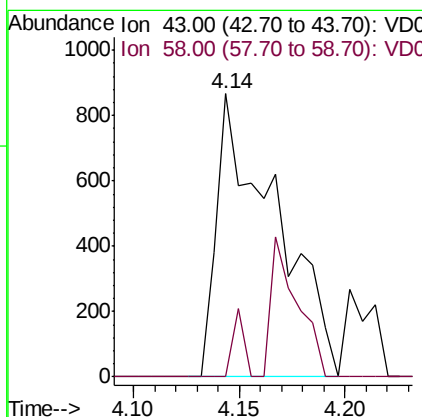
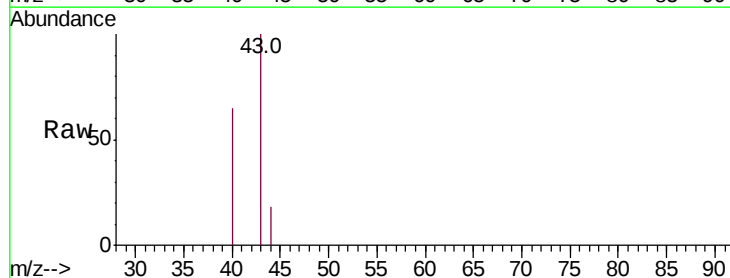
Instrument :
MSVOA_D
ClientSampled :
VOC

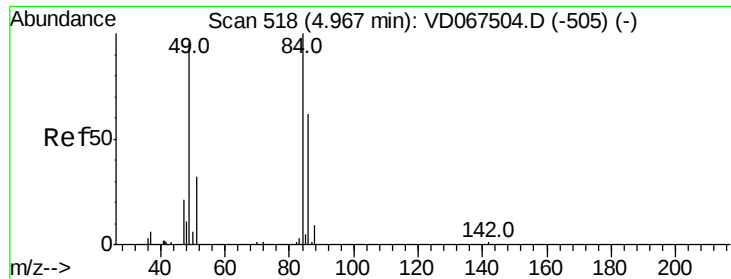
Tot Ion: 59 Resp: 390
Ion Ratio Lower Upper
59 100
57 0.0 5.9 8.9#



#16
Acetone
Concen: 7.665 ug/l
RT: 4.14 min Scan# 378
Delta R.T. -0.01 min
Lab File: VD067646.D
Acq: 16 Nov 2020 17:40

Tgt Ion: 43 Resp: 1686
Ion Ratio Lower Upper
43 100
58 0.0 25.2 37.8#

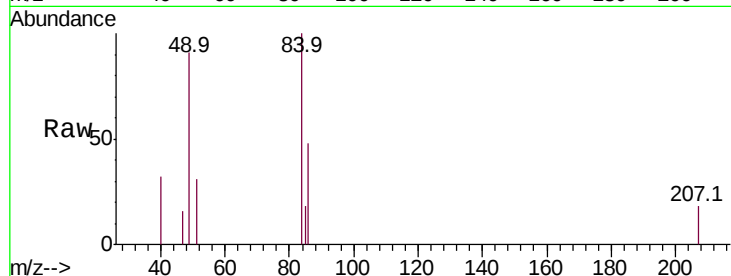




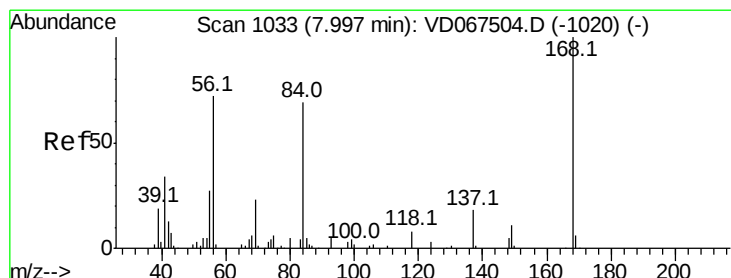
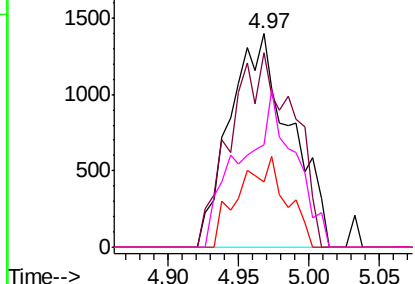
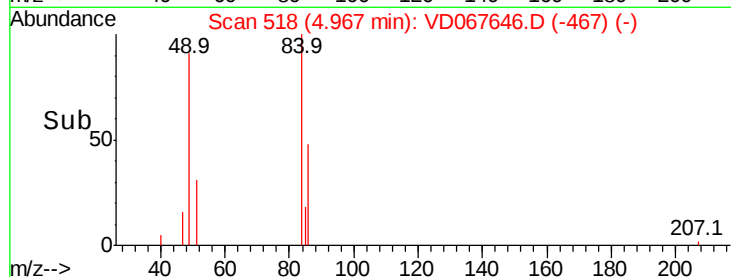
#20
Methvlene Chloride
Concen: 2.701 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD067646.D
Acq: 16 Nov 2020 17:40

Instrument :
MSVOA_D
ClientSampleId :
VOC

Tot Ion: 84 Resp: 4196
Ion Ratio Lower Upper
84 100
49 90.9 77.0 115.4
51 30.8 25.4 38.2
86 48.2 49.4 74.0#

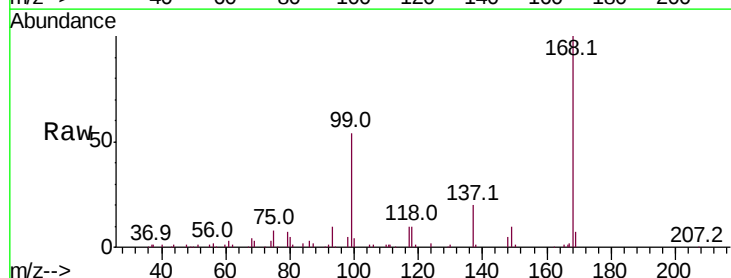


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

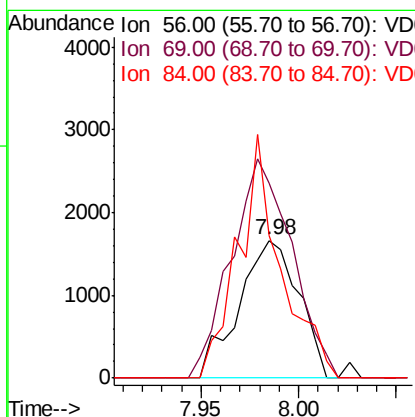
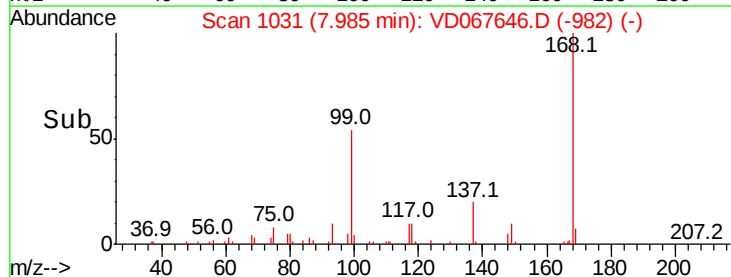


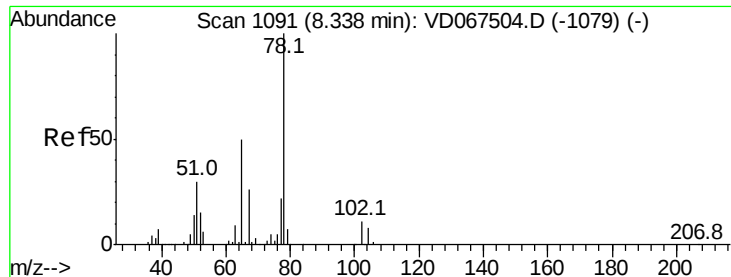
#31
Cyclohexane
Concen: 1.653 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067646.D
Acq: 16 Nov 2020 17:40

Tgt Ion: 56 Resp: 3524
Ion Ratio Lower Upper
56 100
69 141.5 25.9 38.9#
84 103.1 76.2 114.4



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: 66.494 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067646.D

Acq: 16 Nov 2020 17:40

Instrument :

MSVOA_D

ClientSampleId :

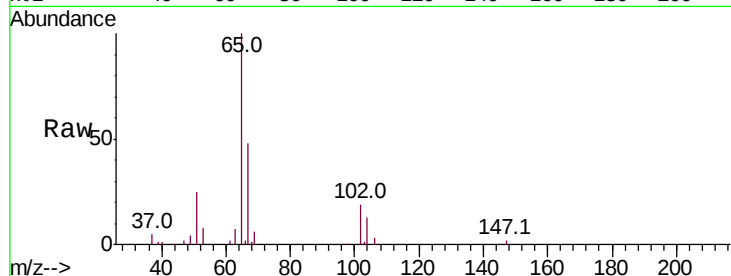
VOC

Tot Ion: 65 Resp: 97735

Ion Ratio Lower Upper

65 100

67 49.0 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

50000

40000

30000

20000

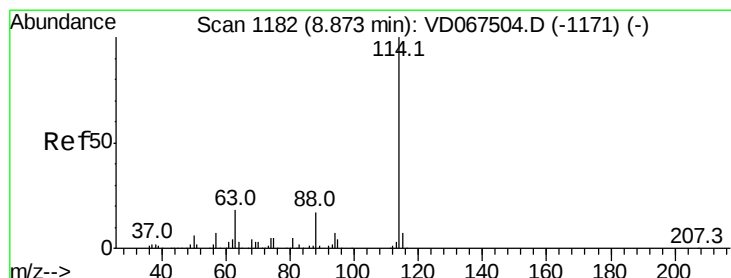
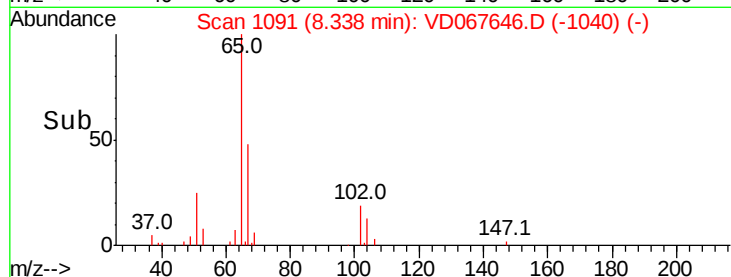
10000

0

8.30

8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067646.D

Acq: 16 Nov 2020 17:40

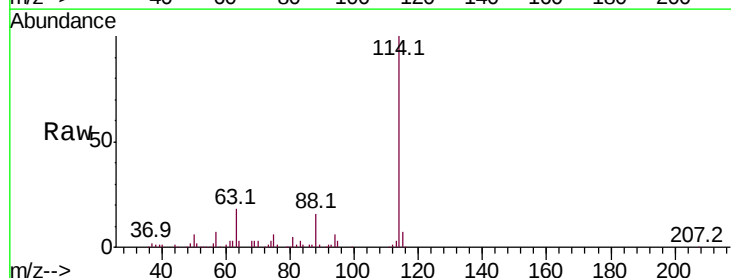
Tgt Ion:114 Resp: 271636

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.0

88 15.5 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

150000

100000

50000

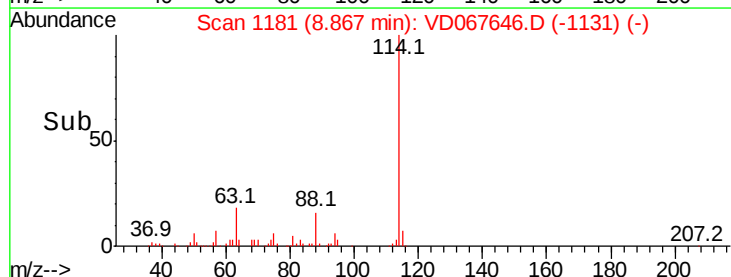
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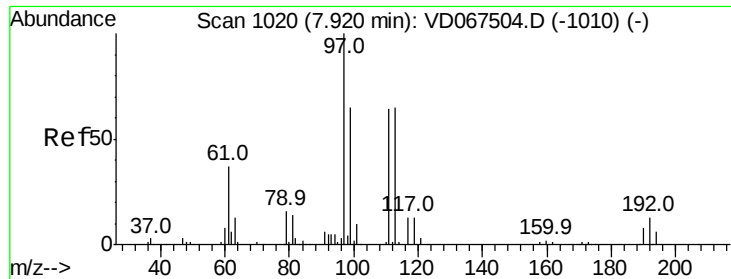
8.80

8.90

9.00

Time-->

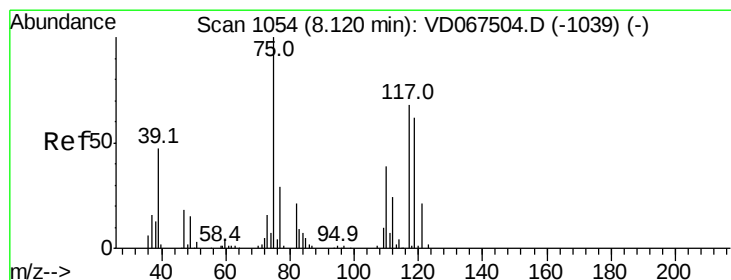
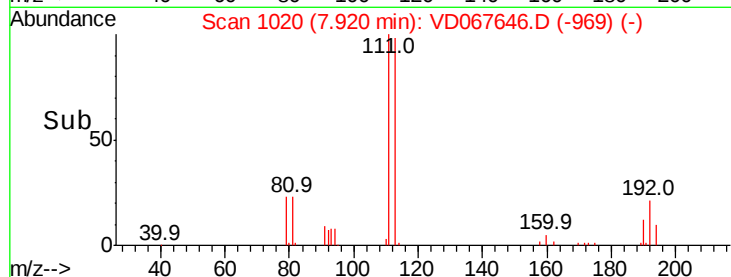
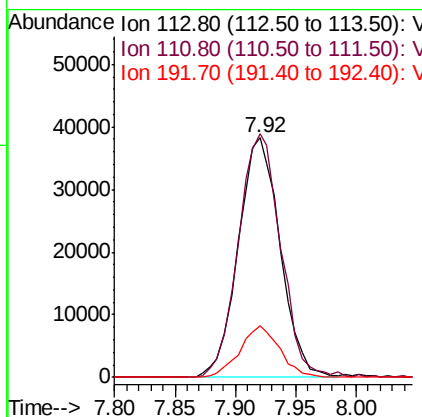
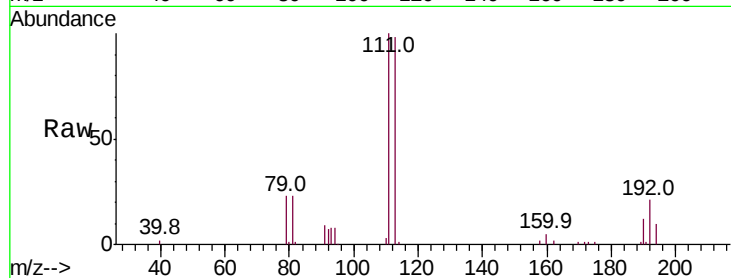




#35
 Dibromofluoromethane
 Concen: 56.693 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067646.D
 Acq: 16 Nov 2020 17:40

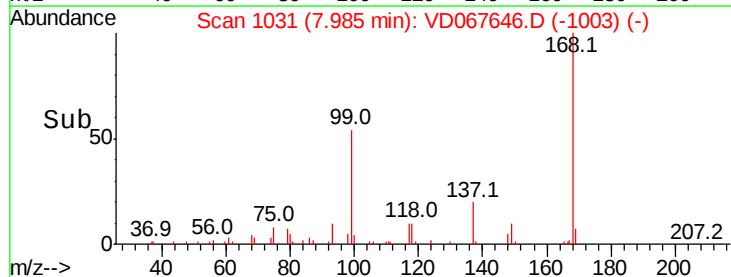
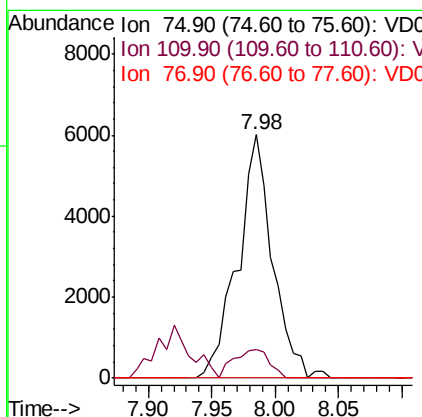
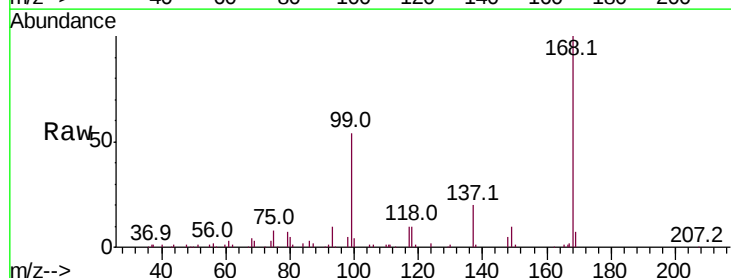
Instrument :
 MSVOA_D
 ClientSampled :
 VOC

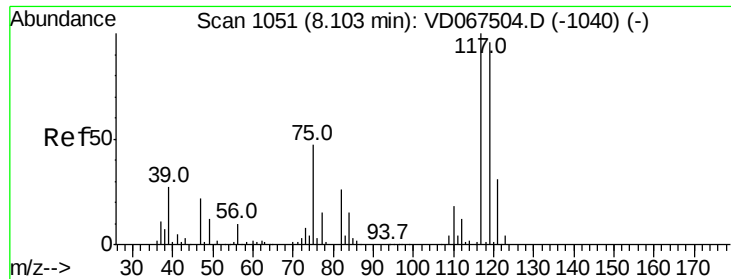
Tot Ion:113 Resp: 92783
 Ion Ratio Lower Upper
 113 100
 111 102.4 80.0 120.0
 192 20.3 16.3 24.5



#36
 1,1-Dichloropropene
 Concen: 4.947 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.14 min
 Lab File: VD067646.D
 Acq: 16 Nov 2020 17:40

Tgt Ion: 75 Resp: 11503
 Ion Ratio Lower Upper
 75 100
 110 12.0 19.9 59.7#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.660 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067646.D

Acq: 16 Nov 2020 17:40

Instrument :

MSVOA_D

ClientSampleId :

VOC

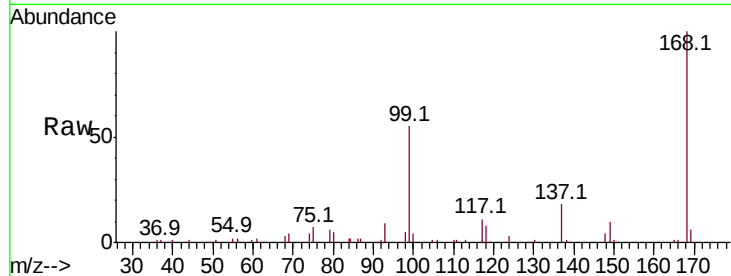
Tot Ion:117 Resp: 17099

Ion Ratio Lower Upper

117 100

119 4.1 76.9 115.3#

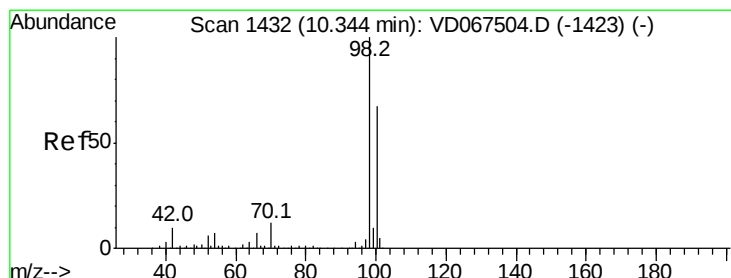
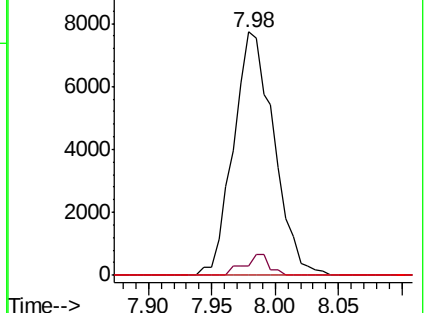
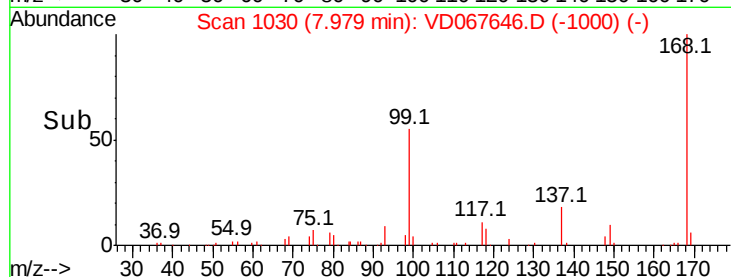
121 0.0 24.5 36.7#



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



#50

Toluene-d8

Concen: 56.694 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067646.D

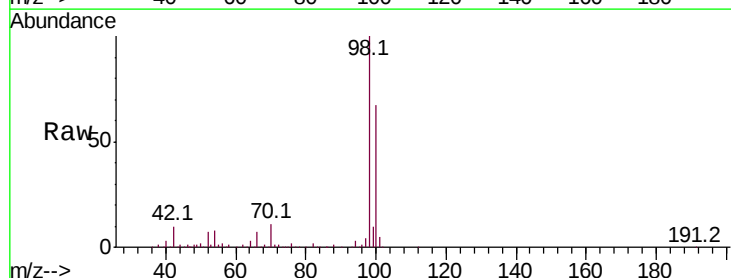
Acq: 16 Nov 2020 17:40

Tgt Ion: 98 Resp: 326069

Ion Ratio Lower Upper

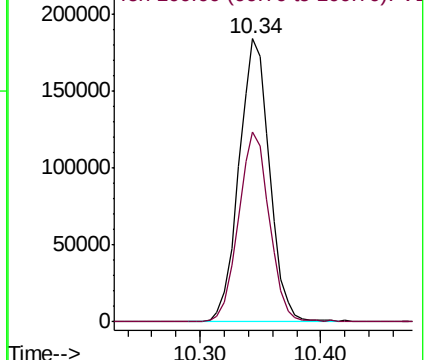
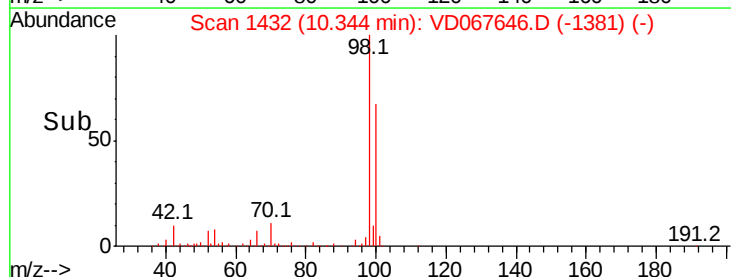
98 100

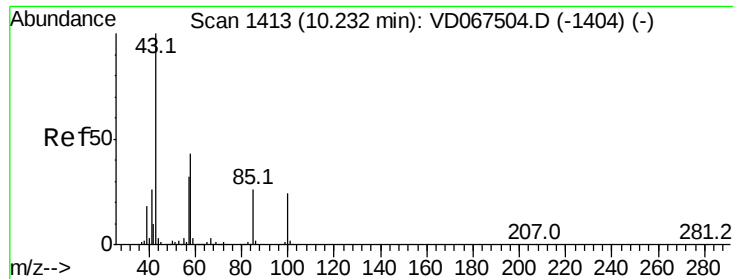
100 67.7 53.0 79.6



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: 2.005 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067646.D

Acq: 16 Nov 2020 17:40

Instrument :

MSVOA_D

ClientSampleID :

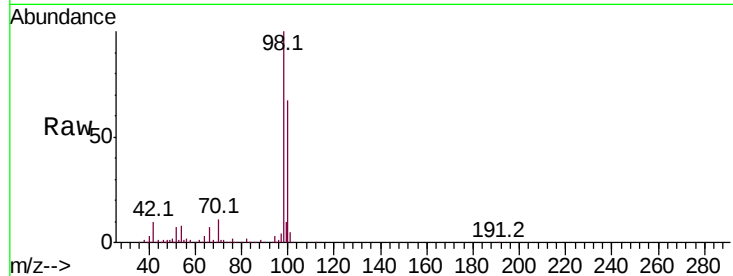
VOC

Tot Ion: 43 Resp: 1145

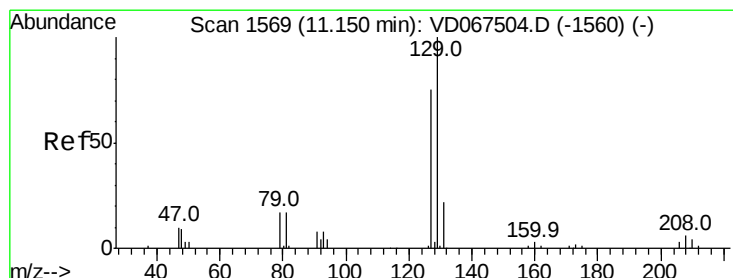
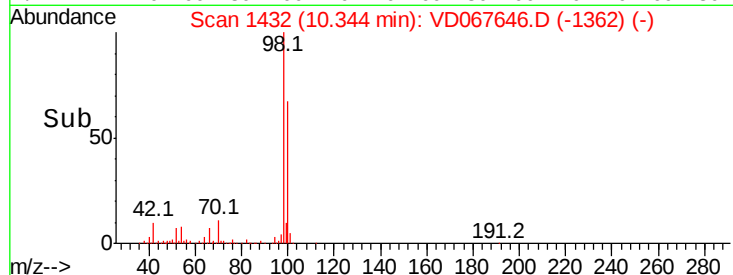
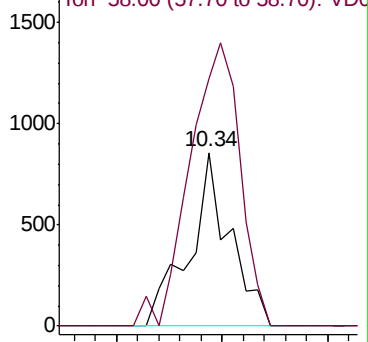
Ion Ratio Lower Upper

43 100

58 202.3 35.6 53.4#



Abundance Ion 43.00 (42.70 to 43.70): VD067504.D (-1404) (-)



#60

Dibromochloromethane

Concen: 2.542 ug/l

RT: 10.88 min Scan# 1524

Delta R.T. -0.26 min

Lab File: VD067646.D

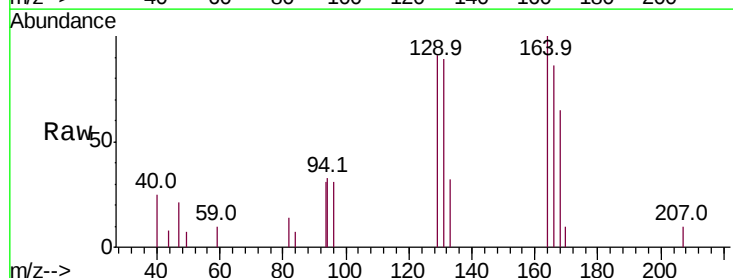
Acq: 16 Nov 2020 17:40

Tgt Ion: 129 Resp: 4308

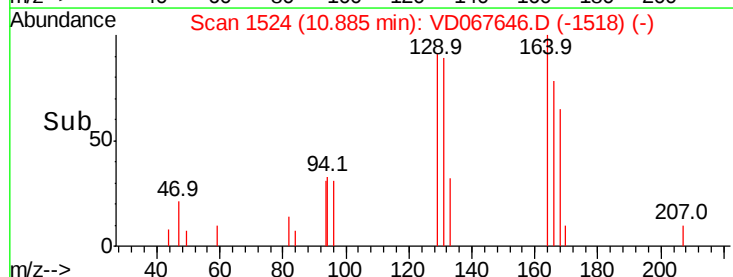
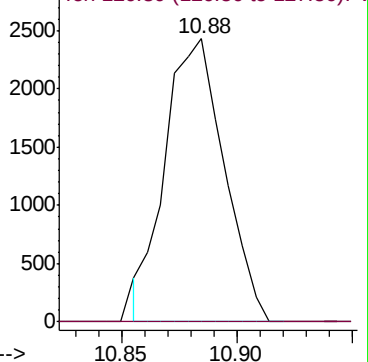
Ion Ratio Lower Upper

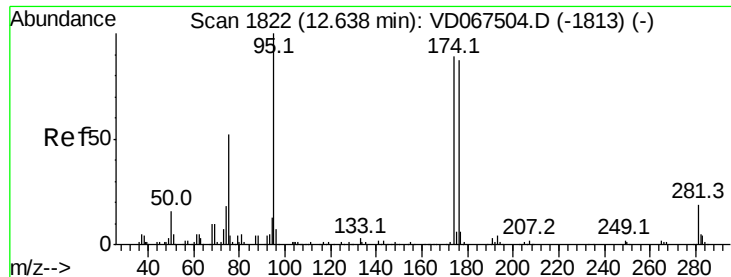
129 100

127 0.0 38.0 114.1#



Abundance Ion 128.80 (128.50 to 129.50): VD067504.D (-1560) (-)





#62

4-Bromofluorobenzene

Concen: 67.179 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067646.D

Acq: 16 Nov 2020 17:40

Instrument :

MSVOA_D

ClientSampled :

VOC

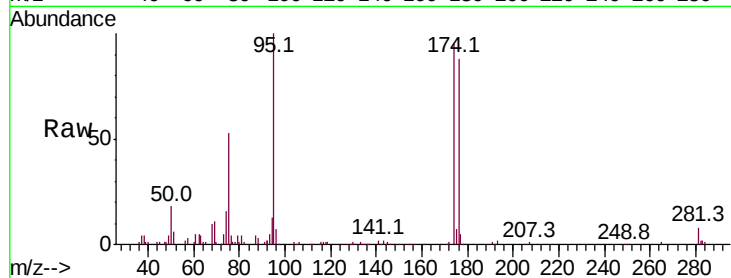
Tot Ion: 95 Resp: 133394

Ion Ratio Lower Upper

95 100

174 92.4 0.0 177.8

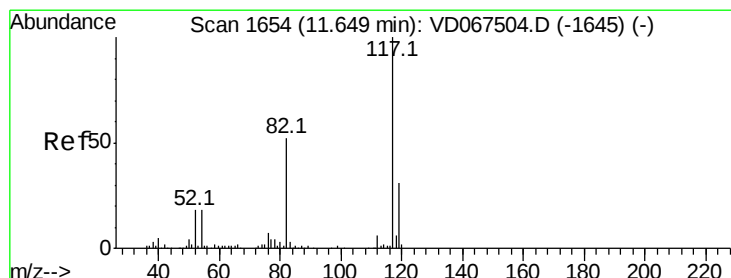
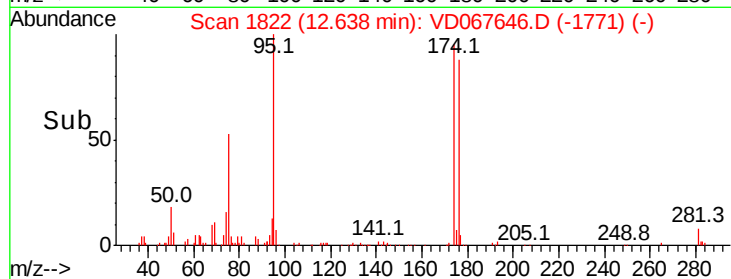
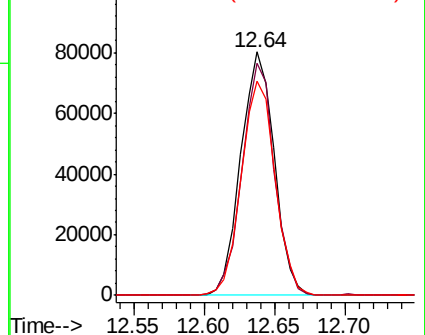
176 88.8 0.0 172.0



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: VD067646.D

Acq: 16 Nov 2020 17:40

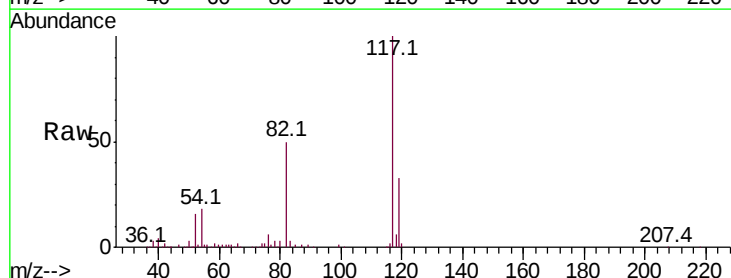
Tgt Ion: 117 Resp: 304535

Ion Ratio Lower Upper

117 100

82 49.6 41.6 62.4

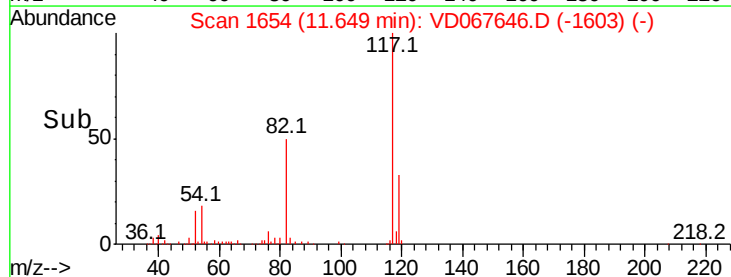
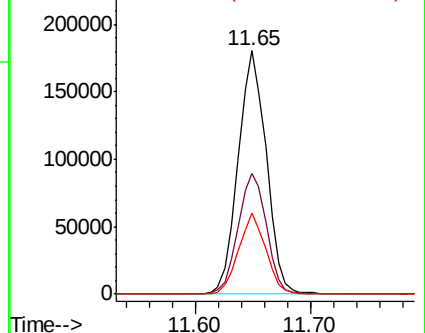
119 33.1 25.1 37.7

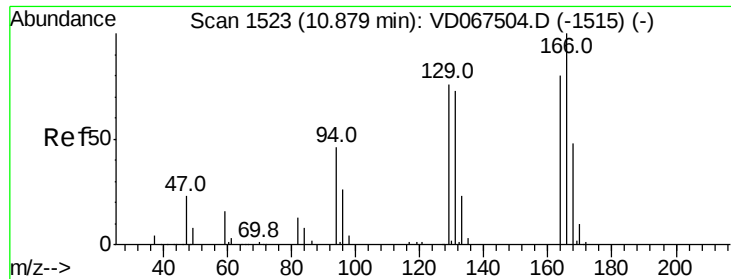


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 2.091 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. -0.00 min

Lab File: VD067646.D

Acq: 16 Nov 2020 17:40

Instrument :

MSVOA_D

ClientSampleId :

VOC

Tot Ion:164 Resp: 4717

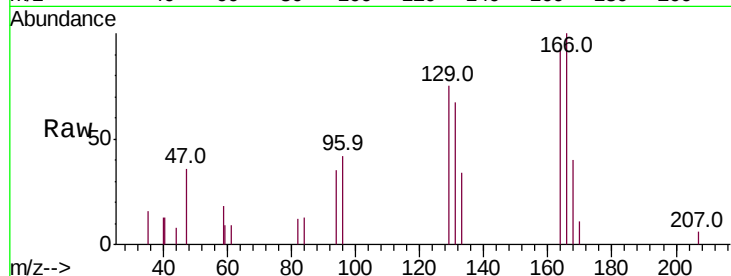
Ion Ratio Lower Upper

164 100

166 107.9 99.9 149.9

129 81.4 75.5 113.3

131 71.8 73.4 110.0#

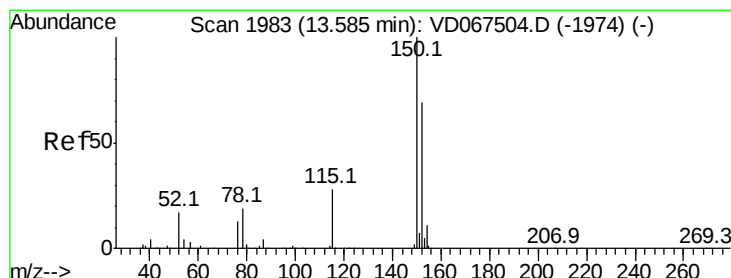
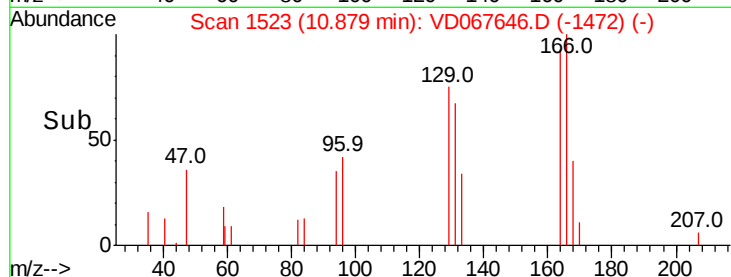
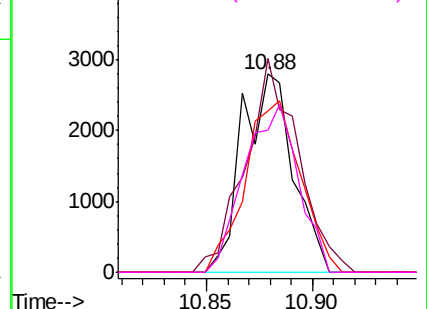


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VD067646.D

Acq: 16 Nov 2020 17:40

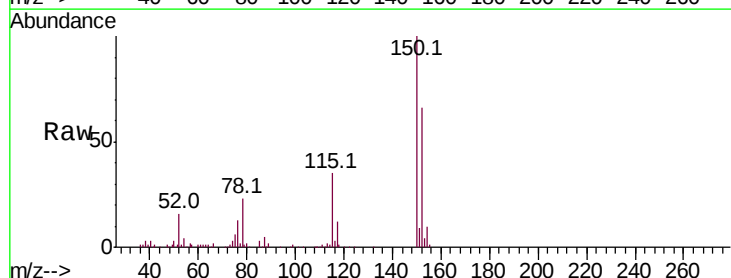
Tgt Ion:152 Resp: 161139

Ion Ratio Lower Upper

152 100

115 57.1 29.3 88.0

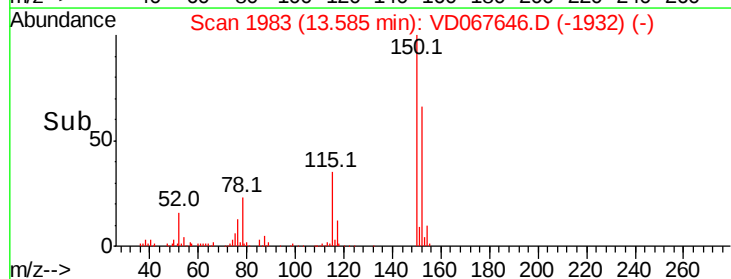
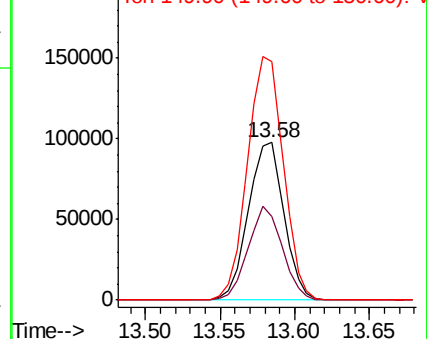
150 155.6 0.0 338.2

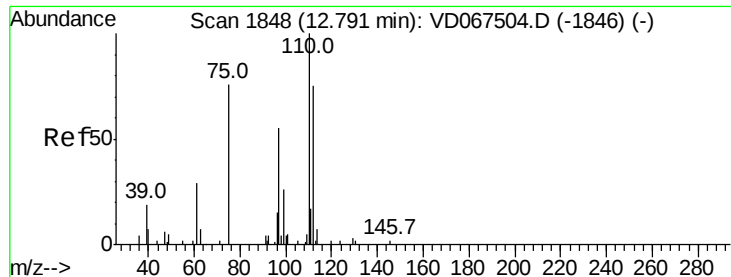


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 69.607 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067646.D

Acq: 16 Nov 2020 17:40

Instrument :

MSVOA_D

ClientSampleId :

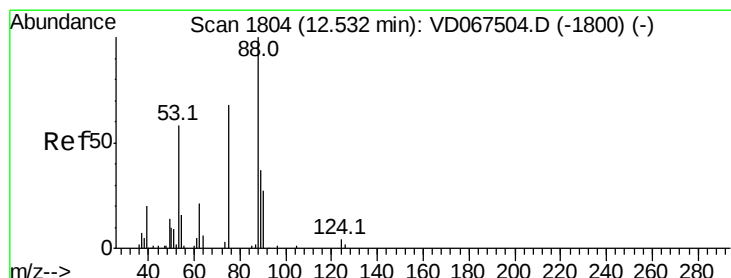
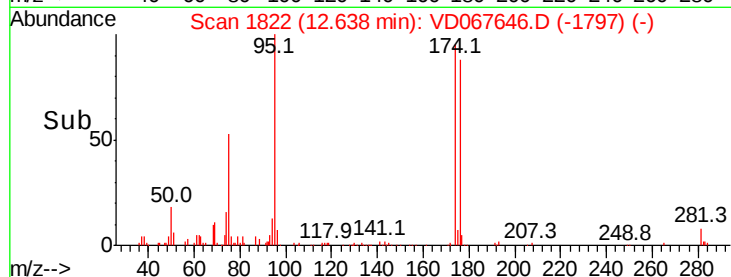
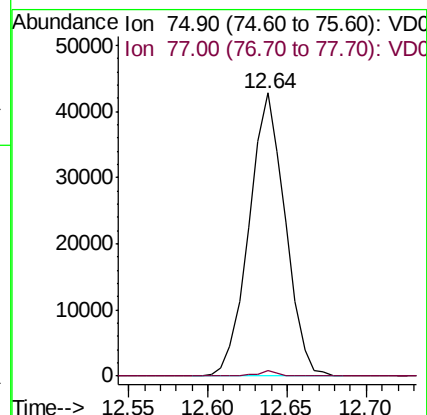
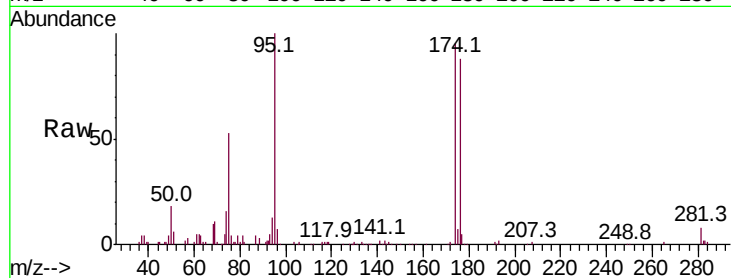
VOC

Tot Ion: 75 Resp: 67664

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 141.321 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067646.D

Acq: 16 Nov 2020 17:40

Tgt Ion: 75 Resp: 67664

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.1 44.6 67.0#

