

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102720\
 Data File : VD067422.D
 Acq On : 27 Oct 2020 20:04
 Operator : VA/SY
 Sample : L4510-10
 Misc : 5.83G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-10

Quant Time: Oct 28 00:47:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

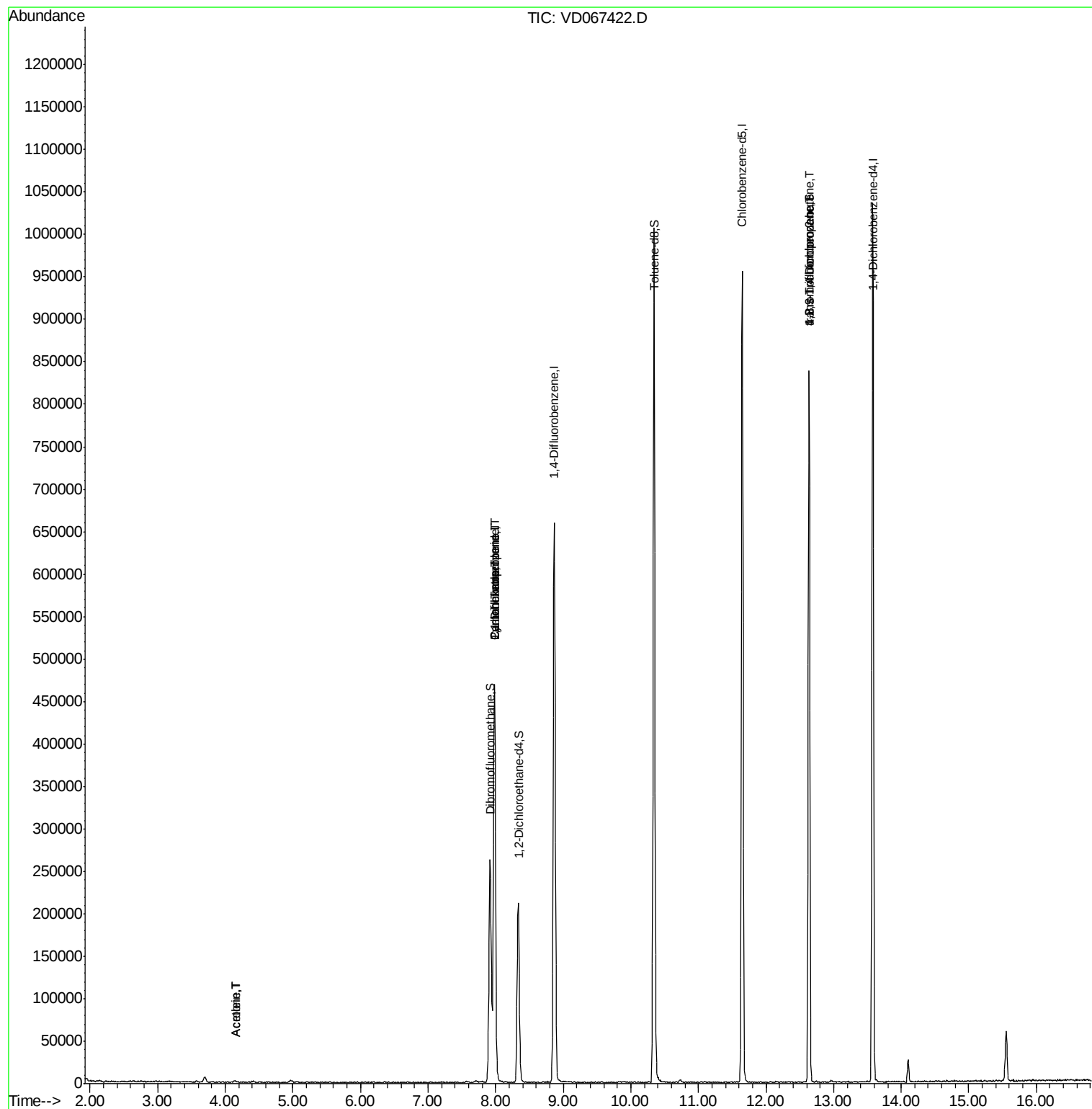
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	357107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	592025	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	583626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	284119	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	183719	51.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.70%	
35) Dibromofluoromethane	7.92	113	194411	49.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.68%	
50) Toluene-d8	10.34	98	700226	49.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.22%	
62) 4-Bromofluorobenzene	12.64	95	254157	51.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	105	Below Cal	#	44
5) Bromomethane	2.77	94	152	Below Cal	#	3
13) Acrolein	4.16	56	77	21.993	ug/l #	15
16) Acetone	4.16	43	1332	2.658	ug/l #	42
20) Methylene Chloride	4.96	84	1435	Below Cal	#	77
31) Cyclohexane	7.98	56	6675	1.620	ug/l #	9
36) 1,1-Dichloropropene	7.98	75	25471	5.076	ug/l #	50
38) Carbon Tetrachloride	7.98	117	38083	5.938	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	130116	66.075	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	130116	149.839	ug/l #	10

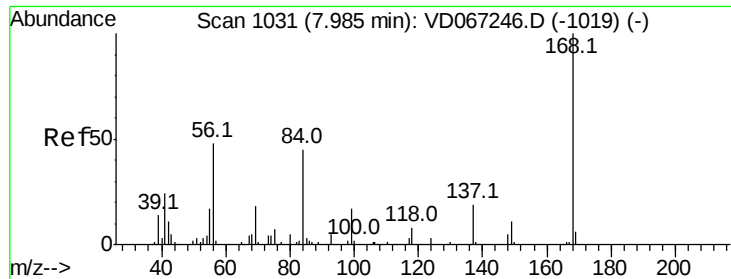
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067422.D

Acq: 27 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

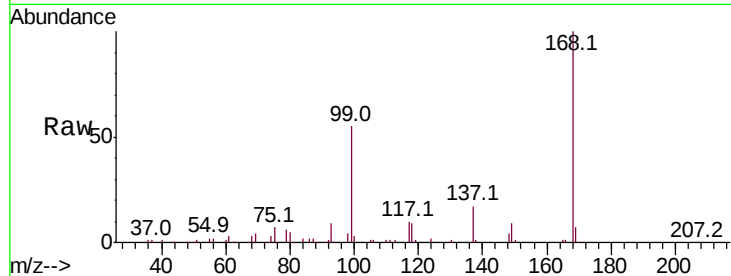
VOC-10

Tot Ion:168 Resp: 357107

Ion Ratio Lower Upper

168 100

99 54.8 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

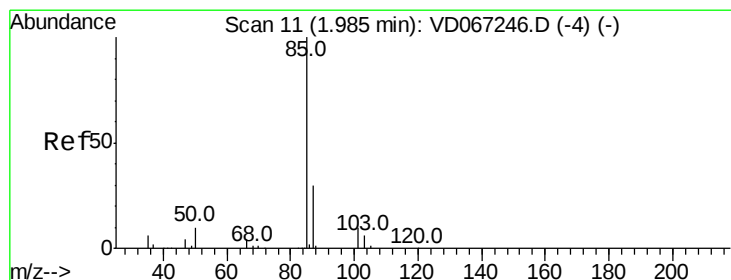
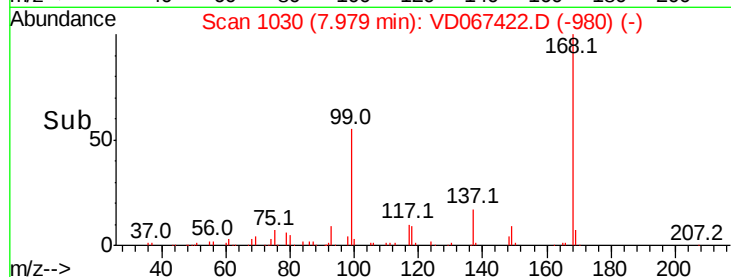
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067422.D

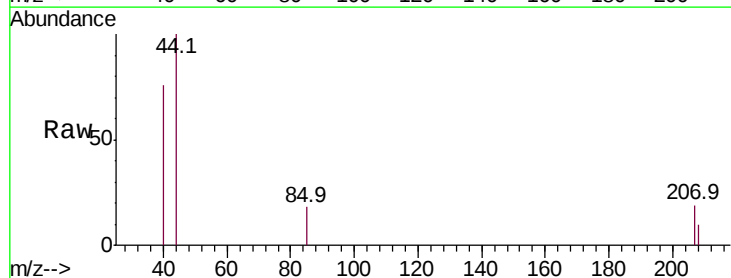
Acq: 27 Oct 2020 20:04

Tgt Ion: 85 Resp: 105

Ion Ratio Lower Upper

85 100

87 0.0 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

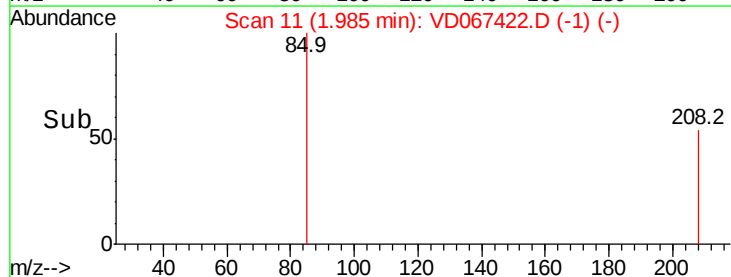
300

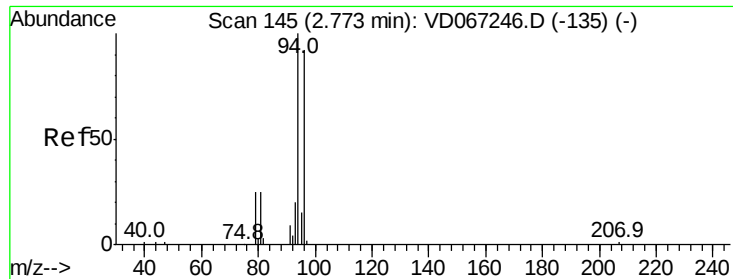
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067422.D

Acq: 27 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

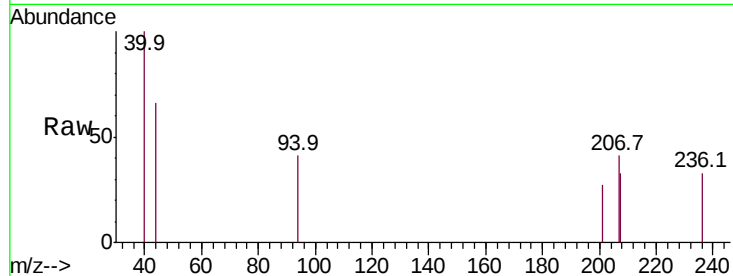
VOC-10

Tot Ion: 94 Resp: 152

Ion Ratio Lower Upper

94 100

96 0.0 73.8 110.6#



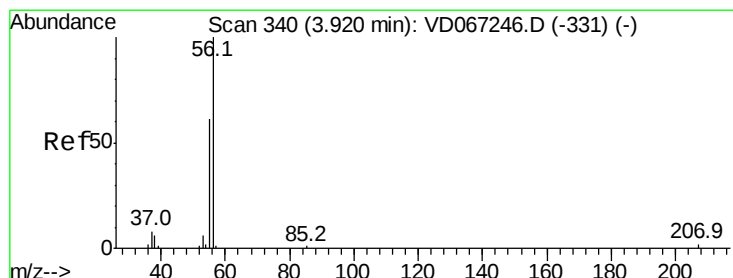
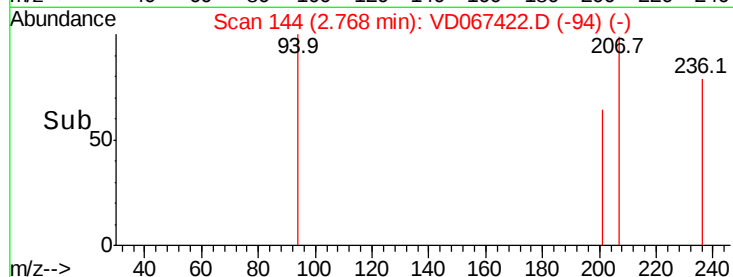
Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

2.76 2.78

Time-->



#13

Acrolein

Concen: 21.993 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.24 min

Lab File: VD067422.D

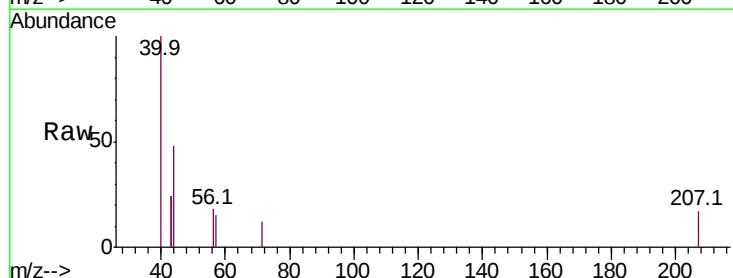
Acq: 27 Oct 2020 20:04

Tgt Ion: 56 Resp: 77

Ion Ratio Lower Upper

56 100

55 0.0 56.0 84.0#



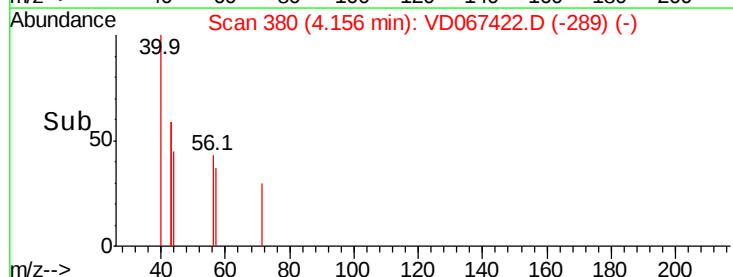
Abundance Ion 56.00 (55.70 to 56.70): VDC

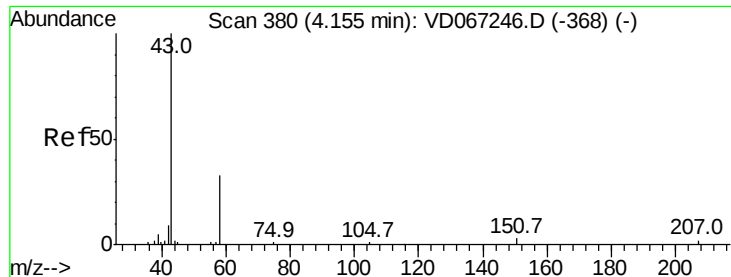
Ion 55.00 (54.70 to 55.70): VDC

4.16

4.14 4.15 4.16 4.17

Time-->





#16

Acetone

Concen: 2.658 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067422.D

Acq: 27 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

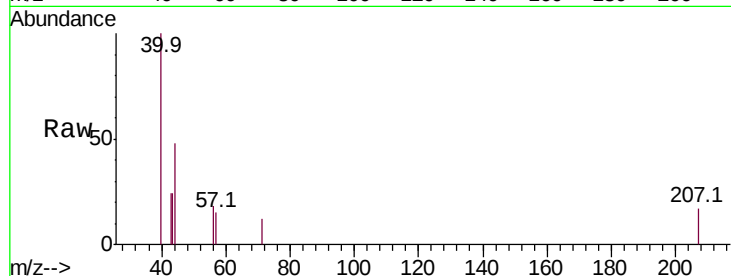
VOC-10

Tot Ion: 43 Resp: 1332

Ion Ratio Lower Upper

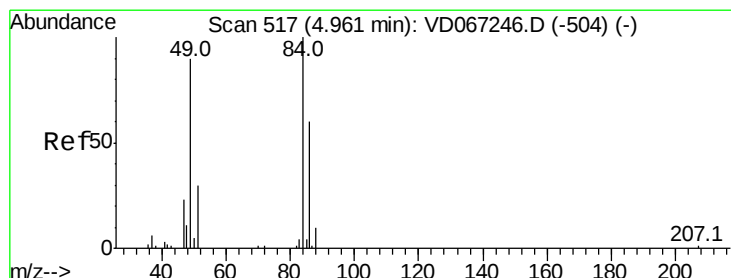
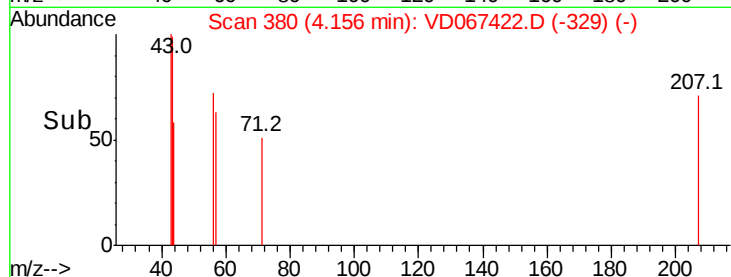
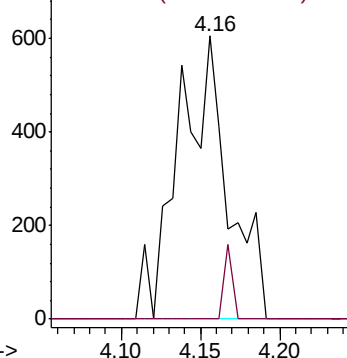
43 100

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: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067422.D

Acq: 27 Oct 2020 20:04

Tgt Ion: 84 Resp: 1435

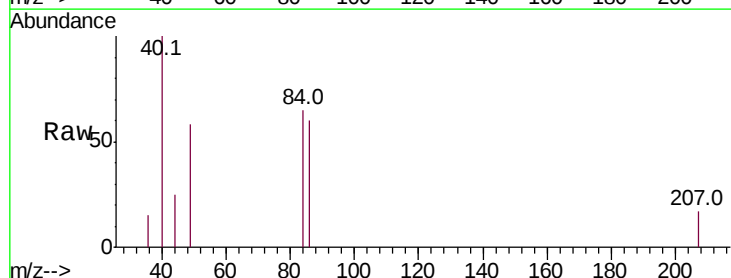
Ion Ratio Lower Upper

84 100

49 90.1 72.2 108.2

51 0.0 23.8 35.8#

86 92.2 48.2 72.4#

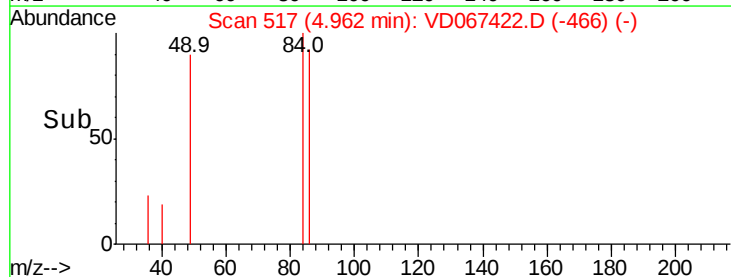
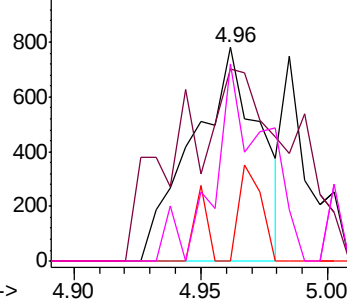


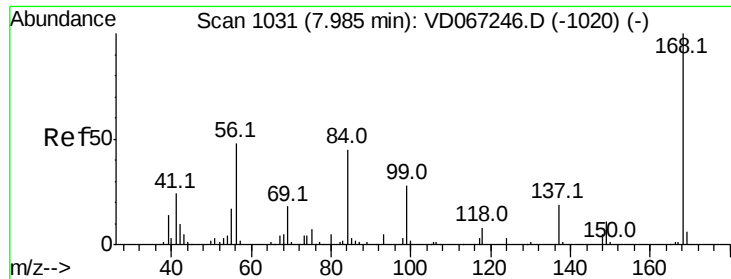
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

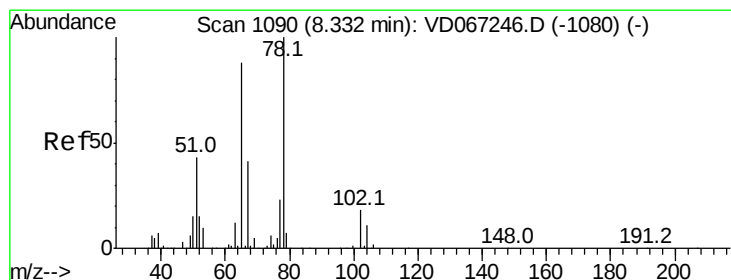
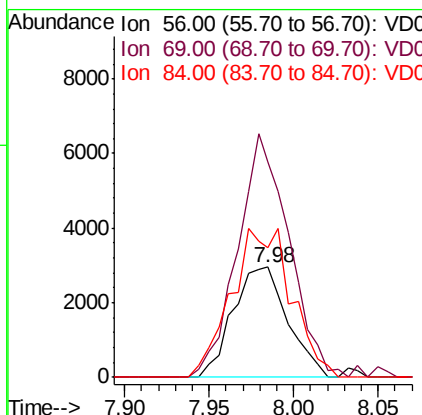
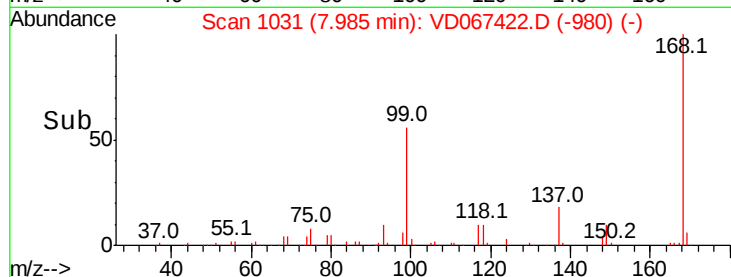
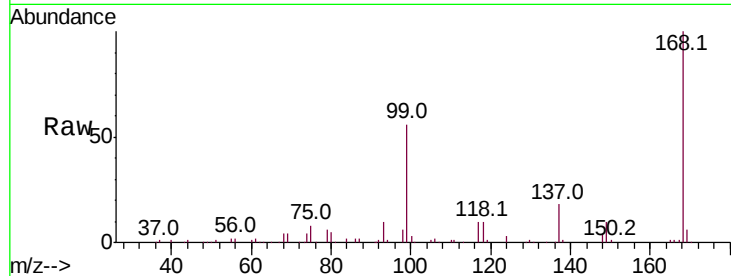




#31
Cyclohexane
Concen: 1.620 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067422.D
Acq: 27 Oct 2020 20:04

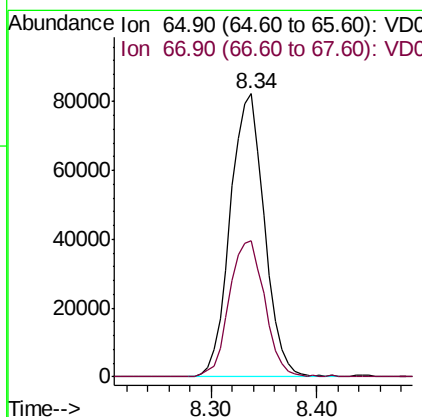
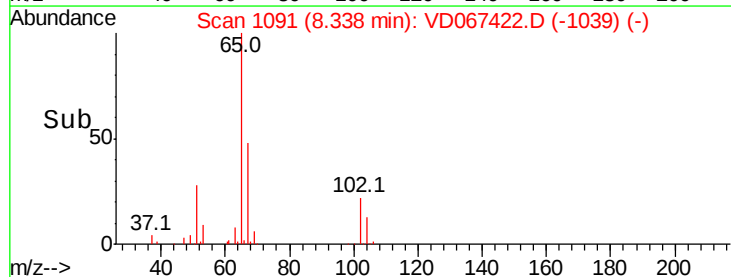
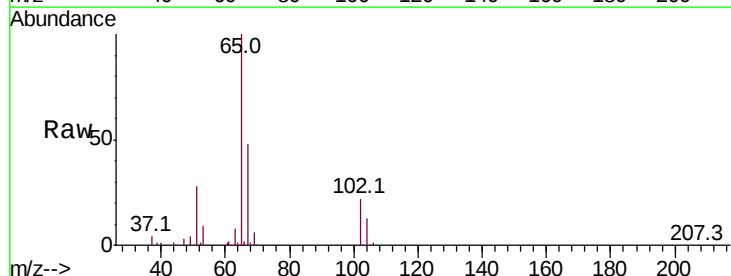
Instrument :
MSVOA_D
ClientSampled :
VOC-10

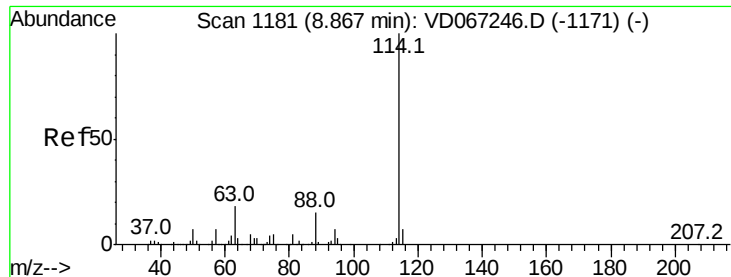
Tot Ion: 56 Resp: 6675
Ion Ratio Lower Upper
56 100
69 196.0 29.8 44.6#
84 117.8 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 51.351 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD067422.D
Acq: 27 Oct 2020 20:04

Tgt Ion: 65 Resp: 183719
Ion Ratio Lower Upper
65 100
67 50.1 0.0 103.8

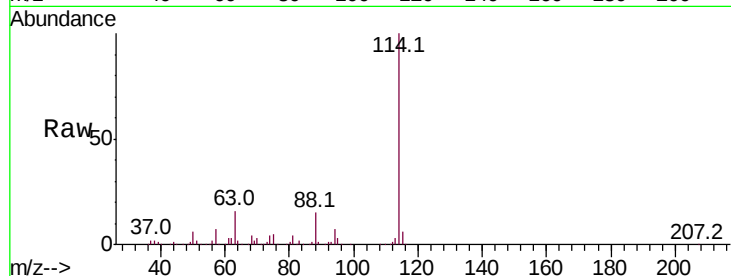




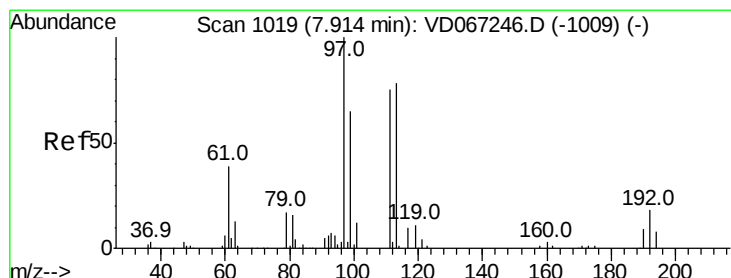
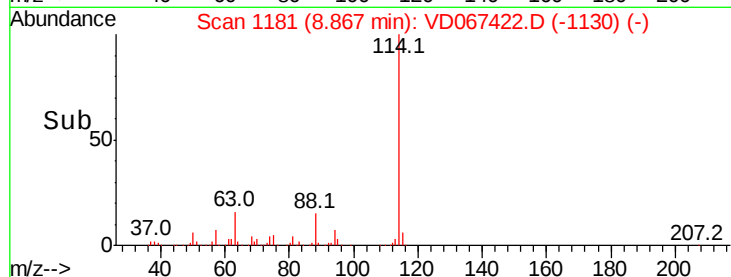
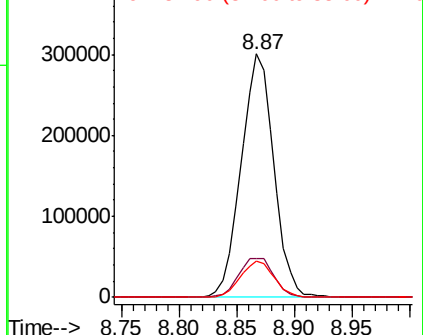
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067422.D
 Acq: 27 Oct 2020 20:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-10

Tot Ion	Ratio	Lower	Upper
114	100		
63	16.1	0.0	35.0
88	14.7	0.0	30.6

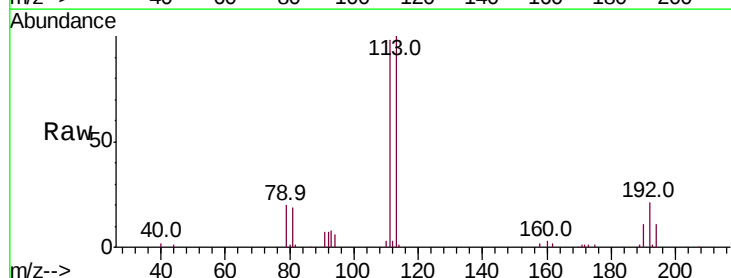


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

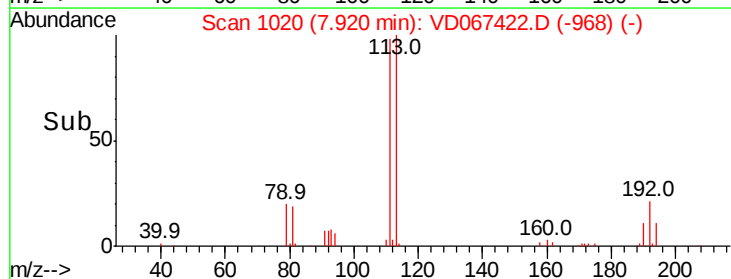
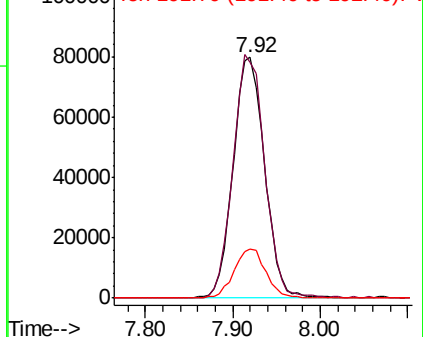


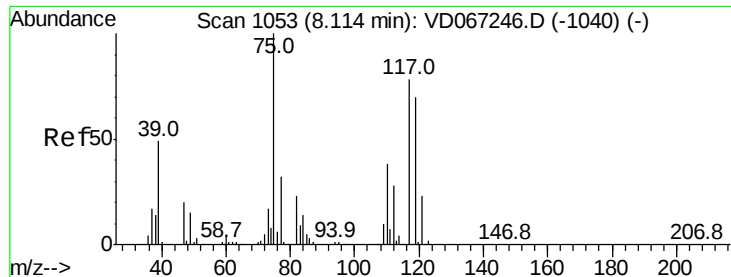
#35
 Dibromofluoromethane
 Concen: 49.344 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067422.D
 Acq: 27 Oct 2020 20:04

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.6	122.4
192	20.4	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





#36

1,1-Dichloropropene

Concen: 5.076 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067422.D

Acq: 27 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampled :

VOC-10

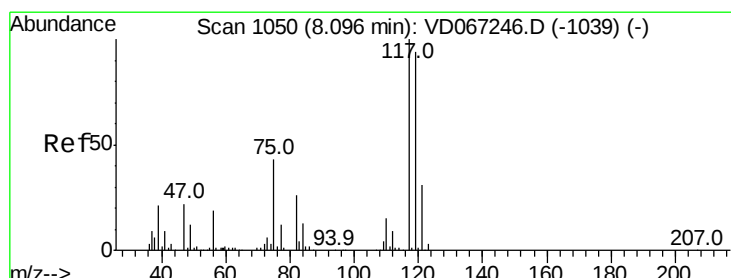
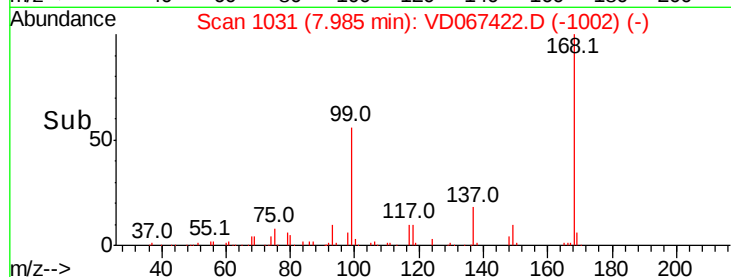
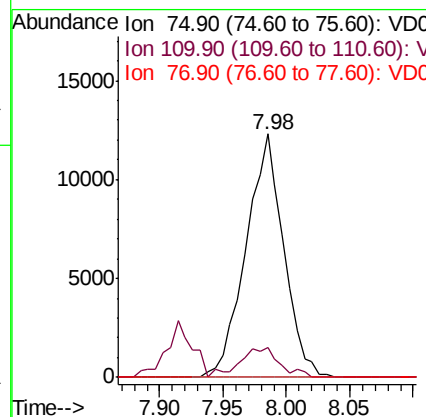
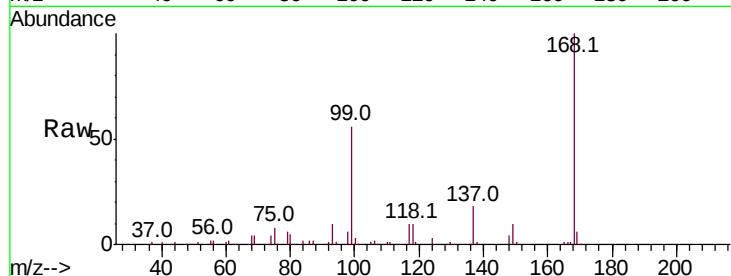
Tot Ion: 75 Resp: 25471

Ion Ratio Lower Upper

75 100

110 12.0 19.6 58.7#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.938 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067422.D

Acq: 27 Oct 2020 20:04

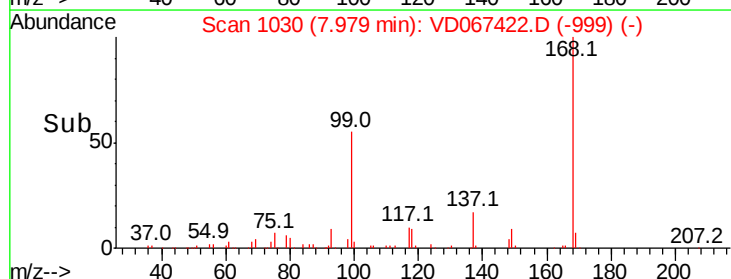
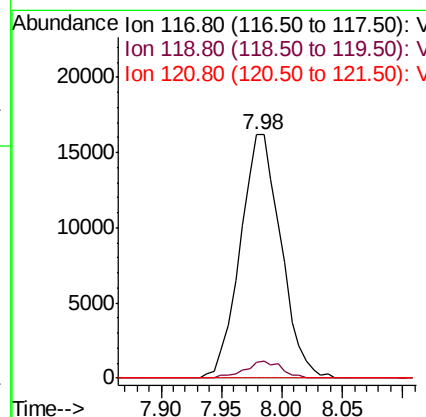
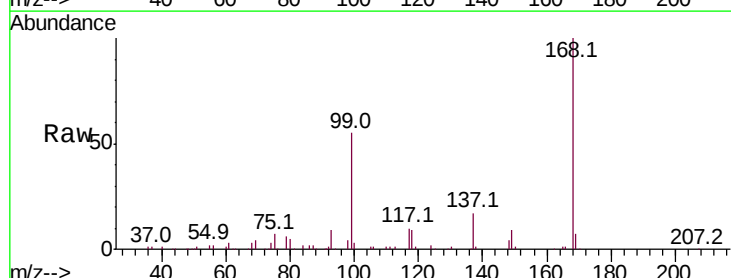
Tgt Ion: 117 Resp: 38083

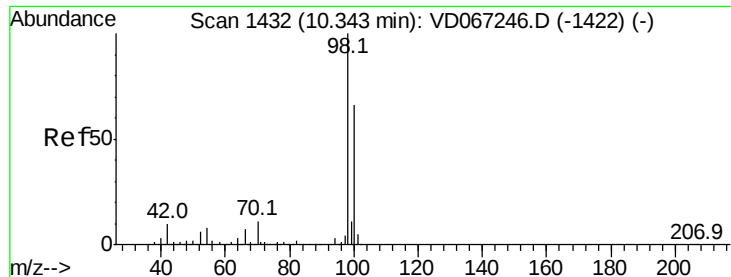
Ion Ratio Lower Upper

117 100

119 6.7 75.0 112.4#

121 0.0 24.9 37.3#





#50

Toluene-d8

Concen: 49.110 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067422.D

Acq: 27 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

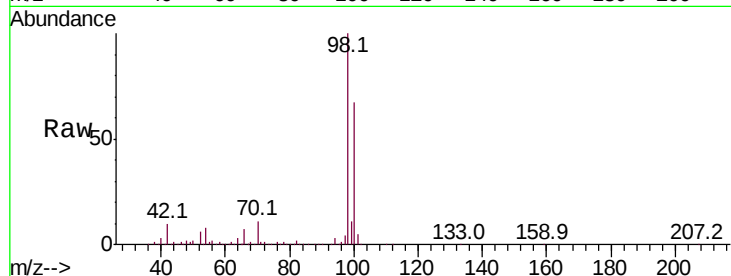
VOC-10

Tot Ion: 98 Resp: 700226

Ion Ratio Lower Upper

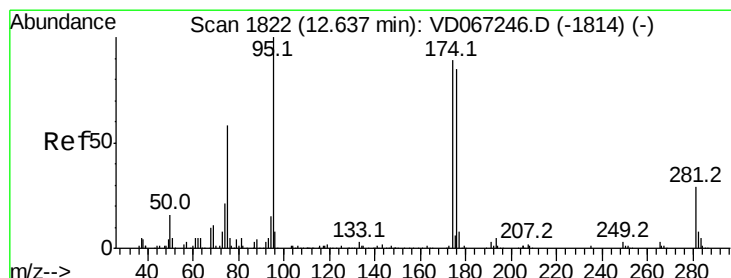
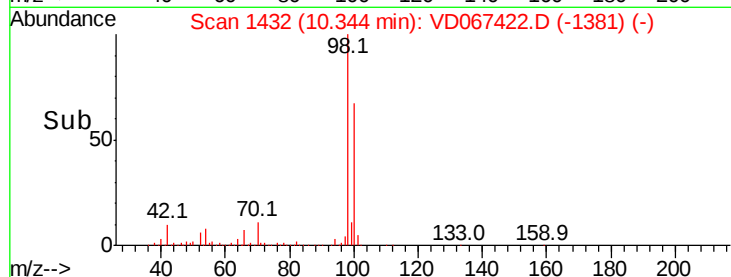
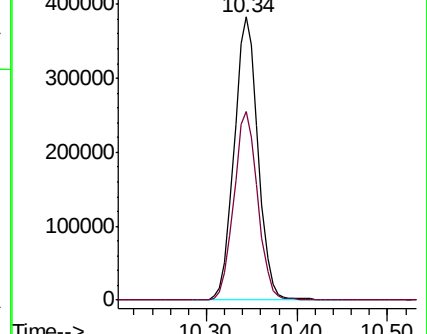
98 100

100 66.6 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 51.263 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067422.D

Acq: 27 Oct 2020 20:04

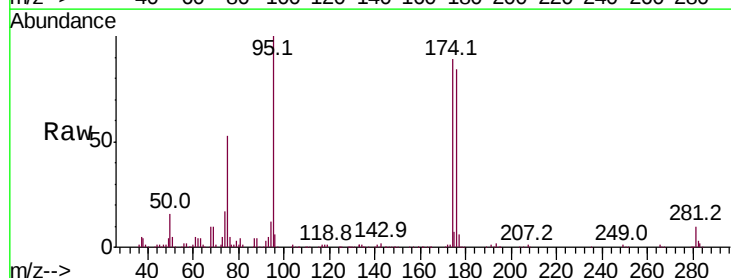
Tgt Ion: 95 Resp: 254157

Ion Ratio Lower Upper

95 100

174 87.6 0.0 175.2

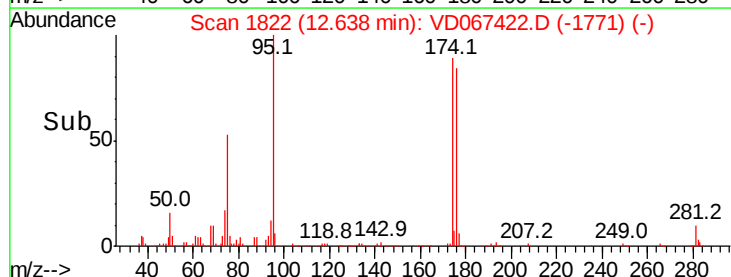
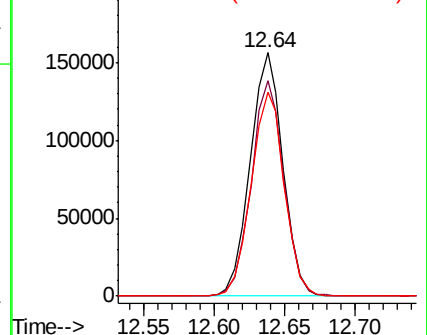
176 84.8 0.0 168.6

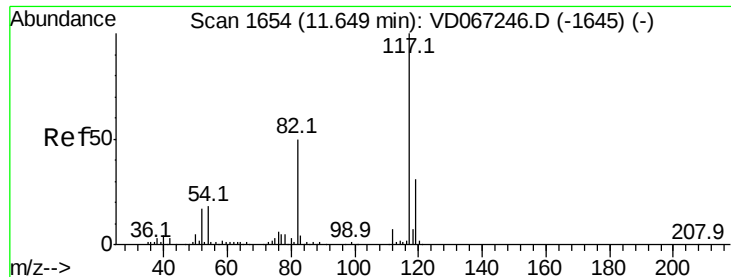


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

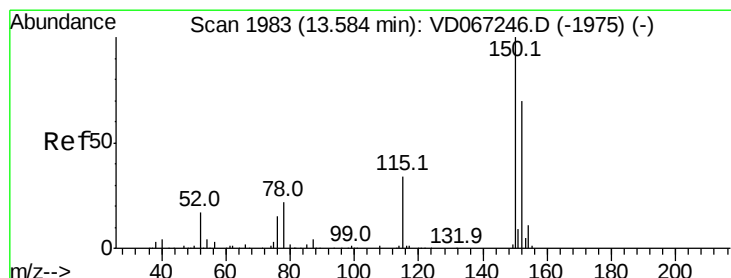
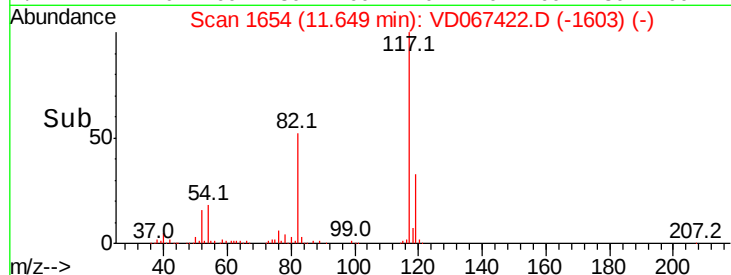
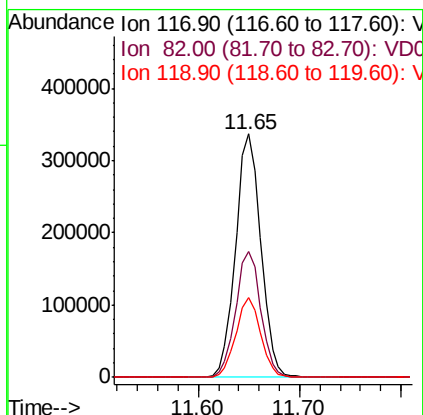
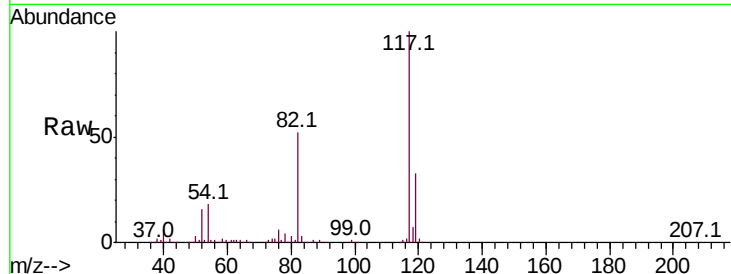




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067422.D
Acq: 27 Oct 2020 20:04

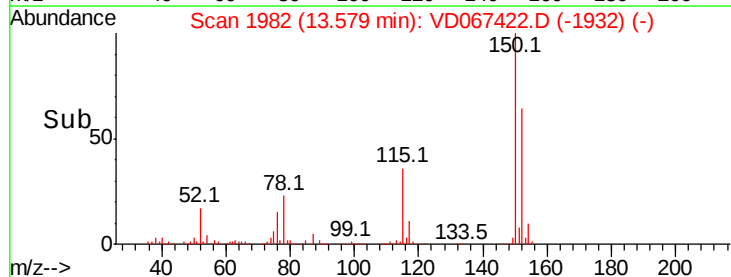
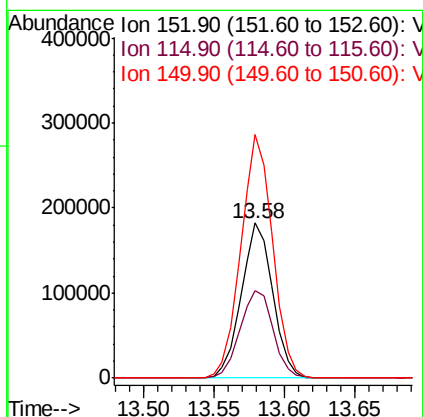
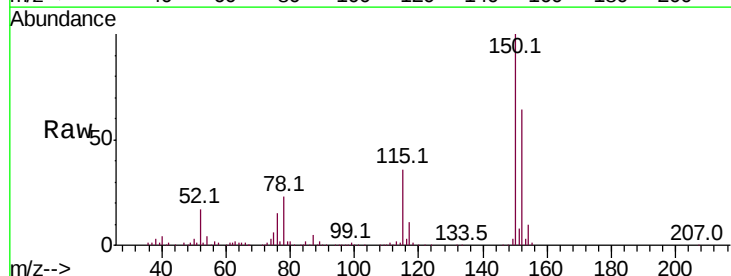
Instrument :
MSVOA_D
ClientSampleId :
VOC-10

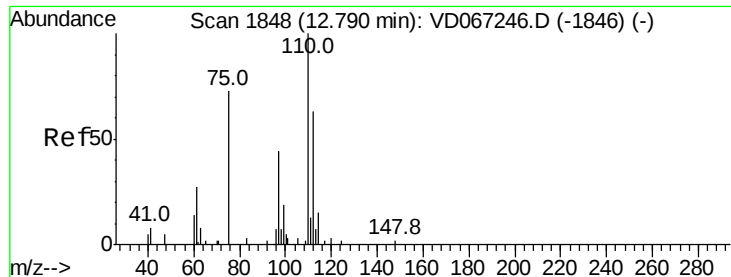
Tot Ion:117 Resp: 583626
Ion Ratio Lower Upper
117 100
82 51.7 39.9 59.9
119 32.9 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067422.D
Acq: 27 Oct 2020 20:04

Tgt Ion:152 Resp: 284119
Ion Ratio Lower Upper
152 100
115 59.7 29.3 87.9
150 158.1 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 66.075 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067422.D

Acq: 27 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

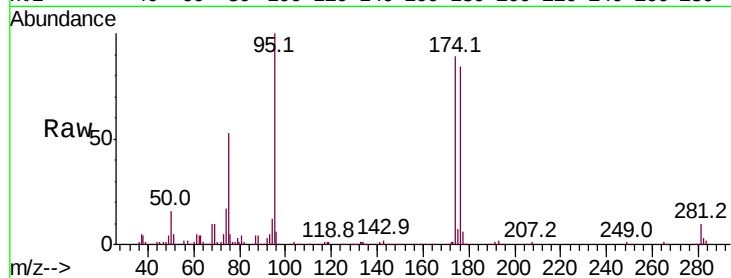
VOC-10

Tot Ion: 75 Resp: 130116

Ion Ratio Lower Upper

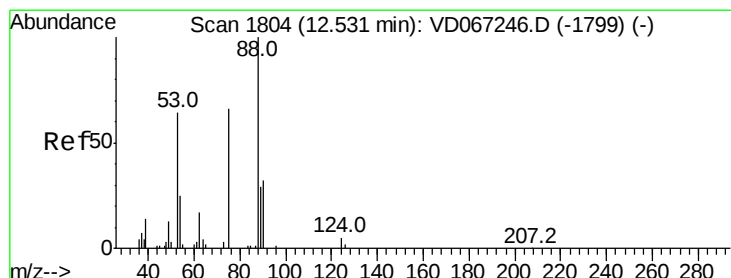
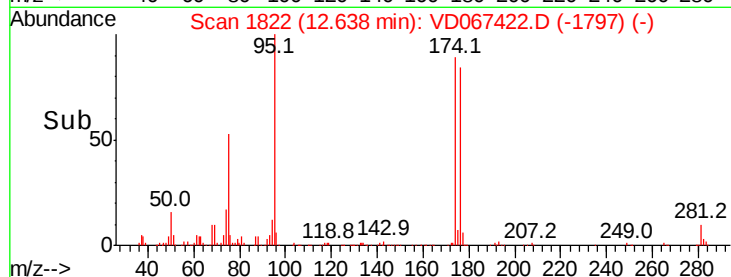
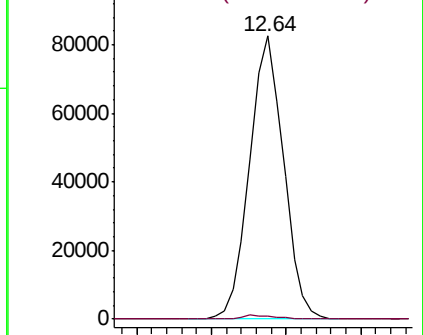
75 100

77 1.3 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: 149.839 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067422.D

Acq: 27 Oct 2020 20:04

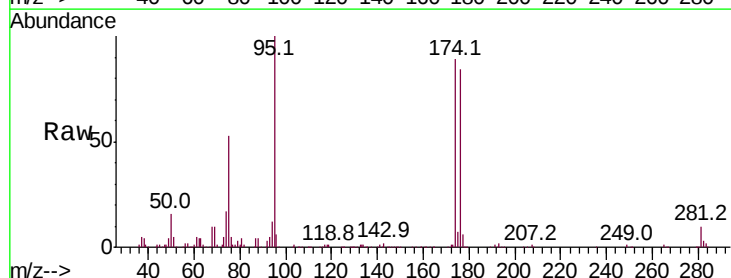
Tgt Ion: 75 Resp: 130116

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.4 39.9 59.9#



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

