

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102720\
 Data File : VD067413.D
 Acq On : 27 Oct 2020 15:57
 Operator : VA/SY
 Sample : L4510-08RE
 Misc : 7.23G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-8

Quant Time: Oct 28 00:46:06 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

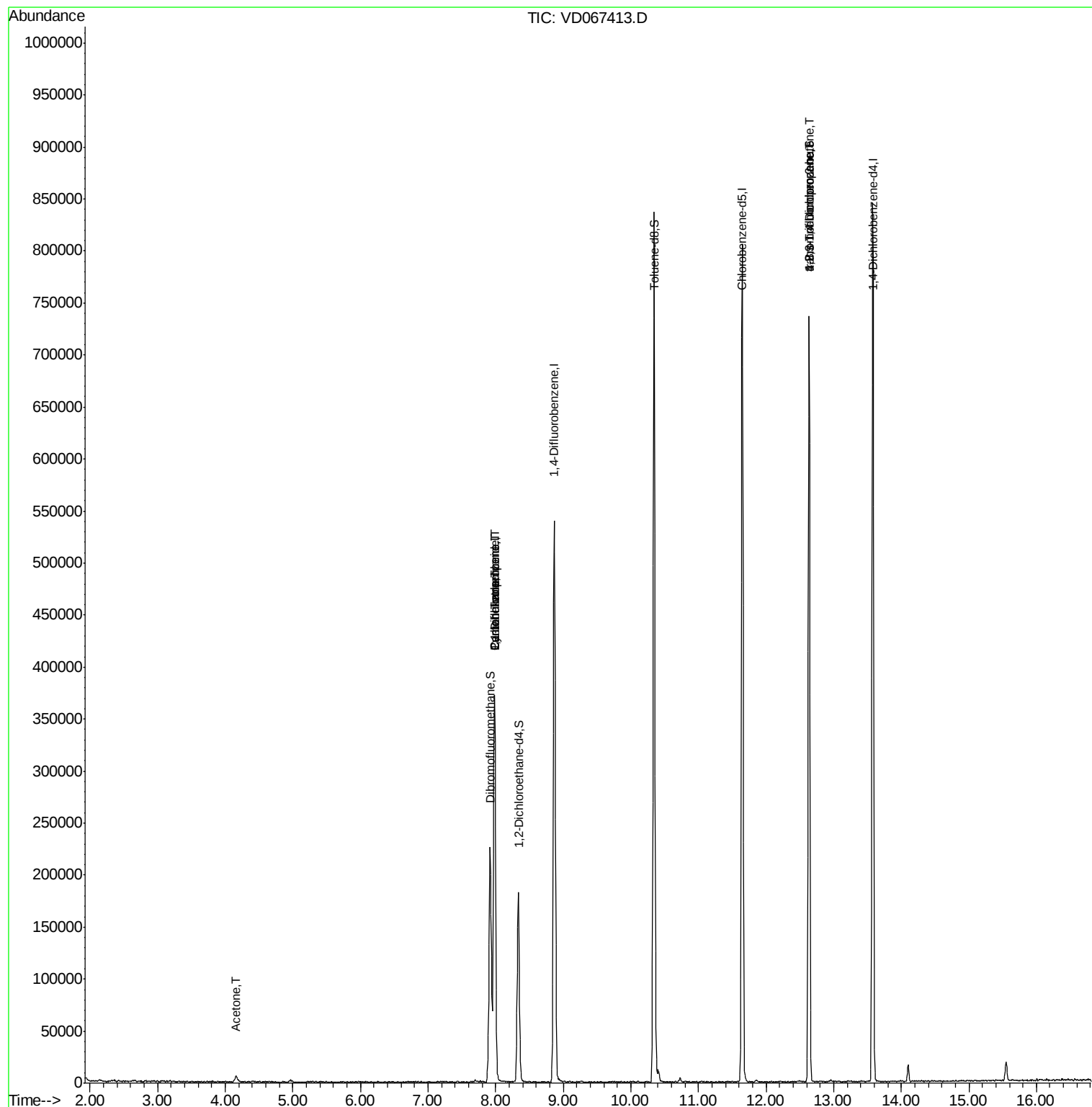
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	284747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	481847	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	484110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	236078	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	156702	54.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.86%	
35) Dibromofluoromethane	7.92	113	157787	49.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.42%	
50) Toluene-d8	10.34	98	580548	50.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.64	95	208909	51.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.54%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.79	94	67	Below Cal	#	3
16) Acetone	4.16	43	10221	25.583	ug/l #	88
20) Methylene Chloride	4.96	84	1803	Below Cal	#	69
31) Cyclohexane	7.98	56	5769	1.756	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	19771	4.841	ug/l #	51
38) Carbon Tetrachloride	7.98	117	29208	5.596	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	107240	65.540	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	107240	148.626	ug/l #	10

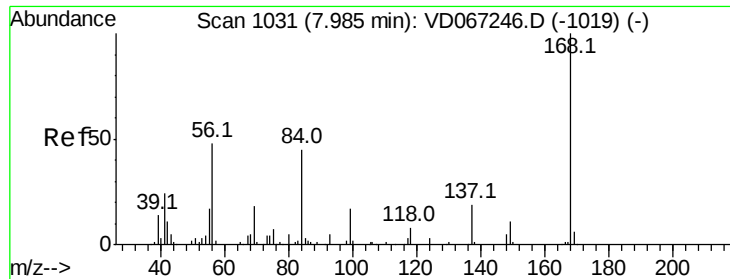
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 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: VD067413.D

Acq: 27 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

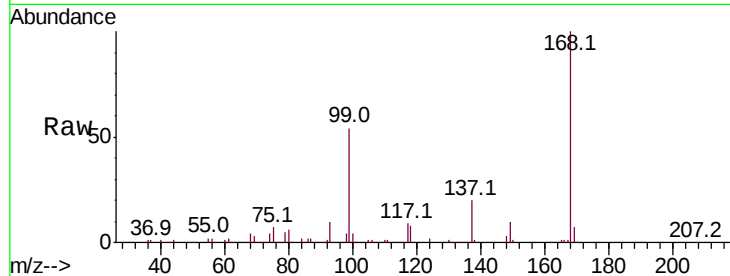
VOC-8

Tot Ion:168 Resp: 284747

Ion Ratio Lower Upper

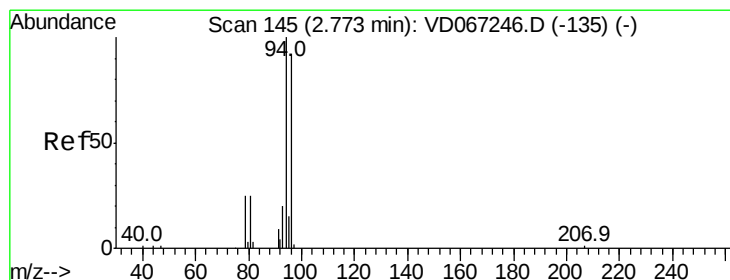
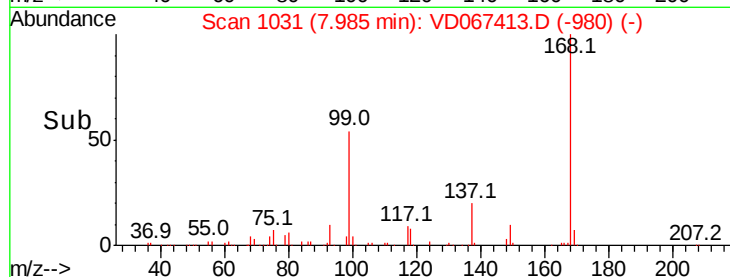
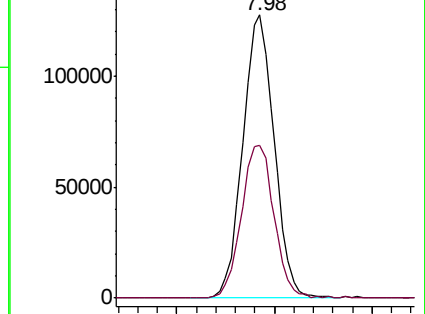
168 100

99 53.8 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD067413.D

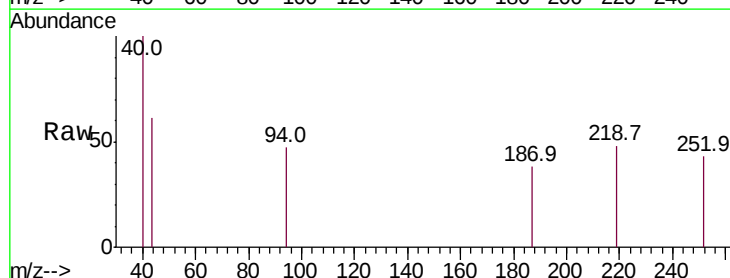
Acq: 27 Oct 2020 15:57

Tgt Ion: 94 Resp: 67

Ion Ratio Lower Upper

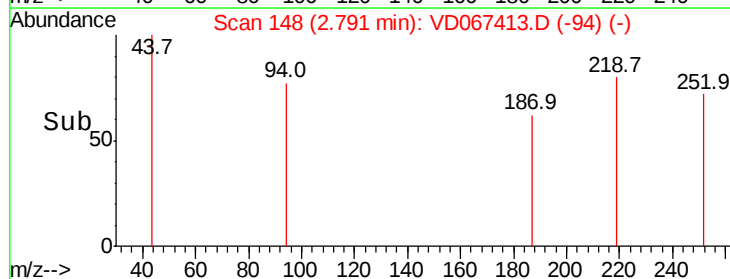
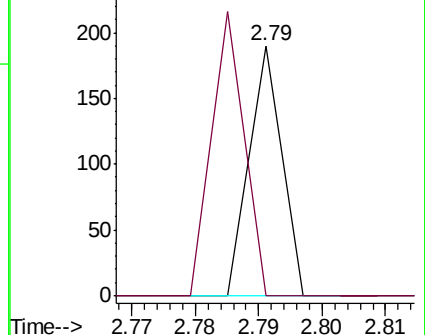
94 100

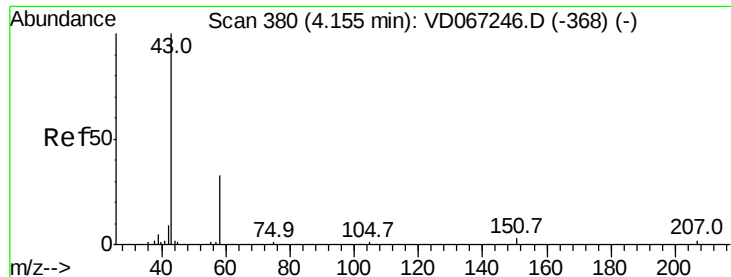
96 0.0 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 25.583 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067413.D

Acq: 27 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

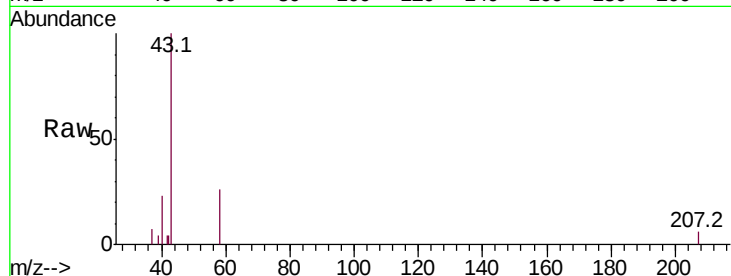
VOC-8

Tot Ion: 43 Resp: 10221

Ion Ratio Lower Upper

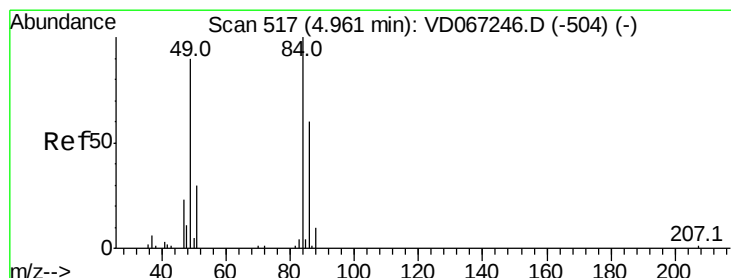
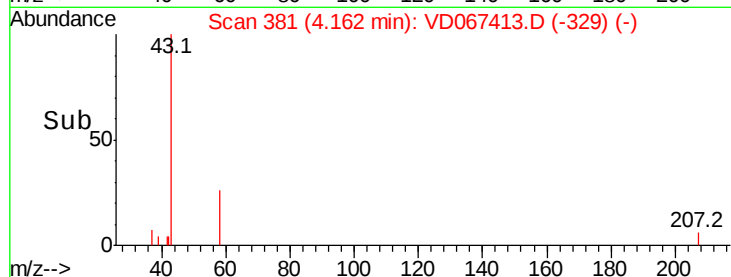
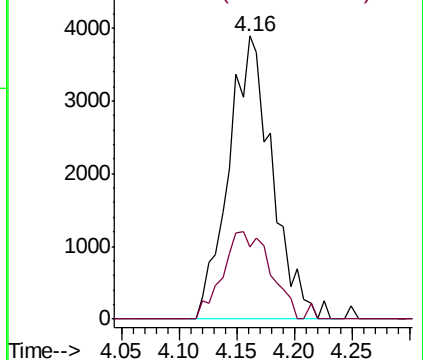
43 100

58 25.6 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: VD067413.D

Acq: 27 Oct 2020 15:57

Tgt Ion: 84 Resp: 1803

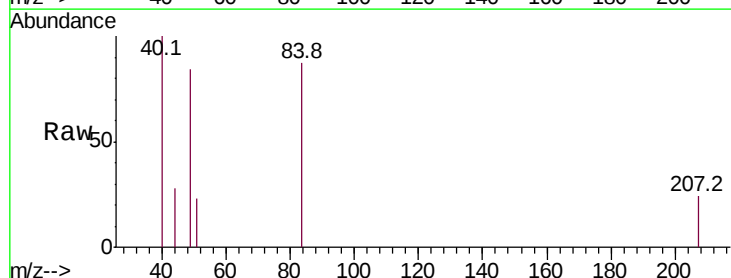
Ion Ratio Lower Upper

84 100

49 96.3 72.2 108.2

51 26.2 23.8 35.8

86 0.0 48.2 72.4#

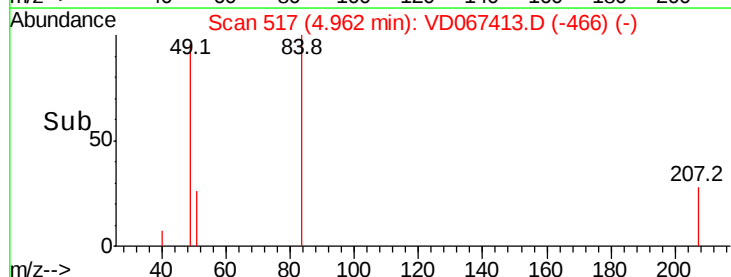
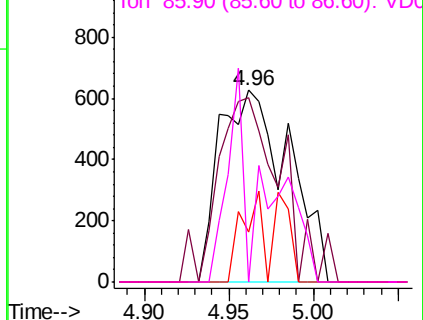


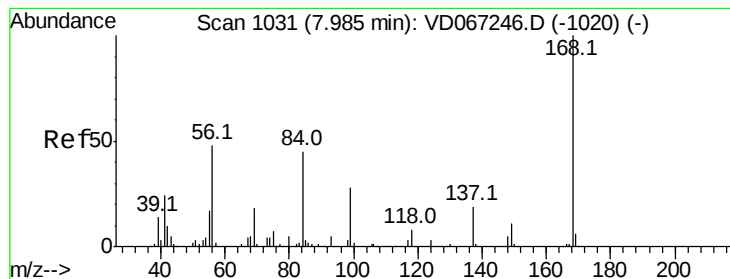
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.756 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067413.D

Acq: 27 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleID :

VOC-8

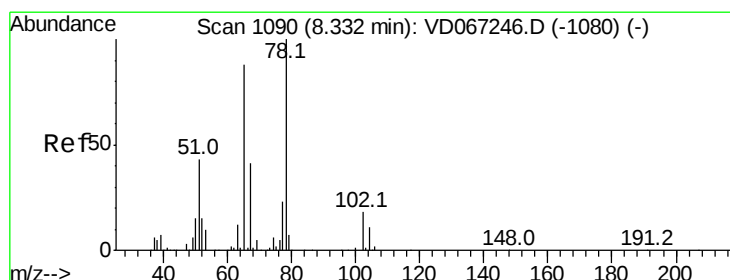
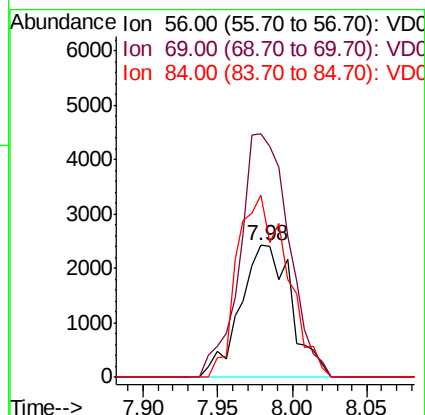
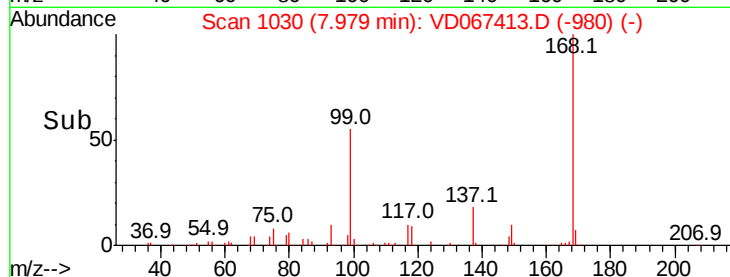
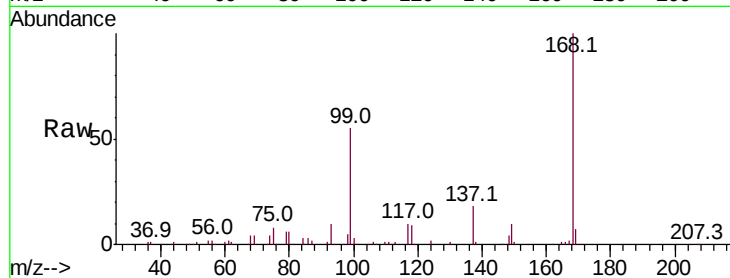
Tot Ion: 56 Resp: 5769

Ion Ratio Lower Upper

56 100

69 184.6 29.8 44.6#

84 138.2 76.6 114.8#



#33

1,2-Dichloroethane-d4

Concen: 54.930 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067413.D

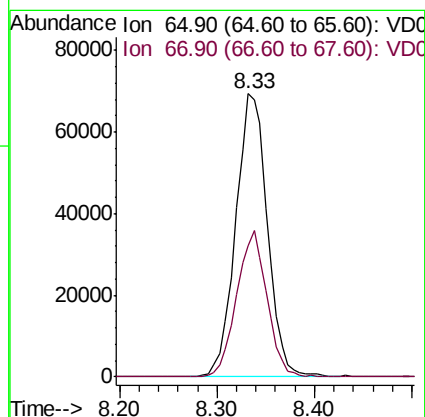
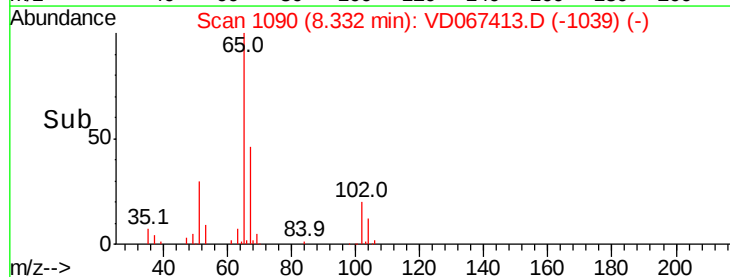
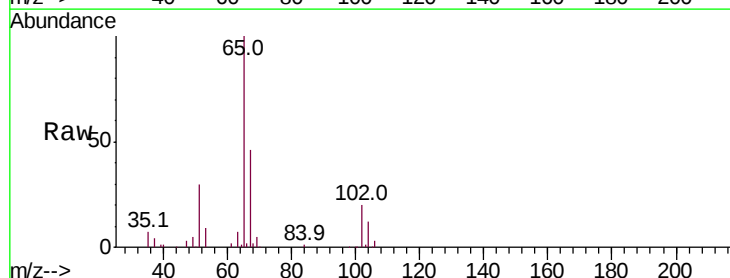
Acq: 27 Oct 2020 15:57

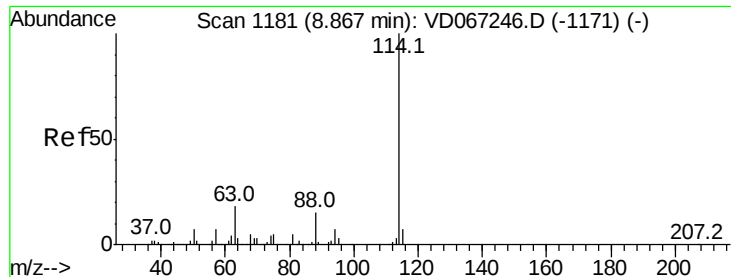
Tgt Ion: 65 Resp: 156702

Ion Ratio Lower Upper

65 100

67 49.4 0.0 103.8

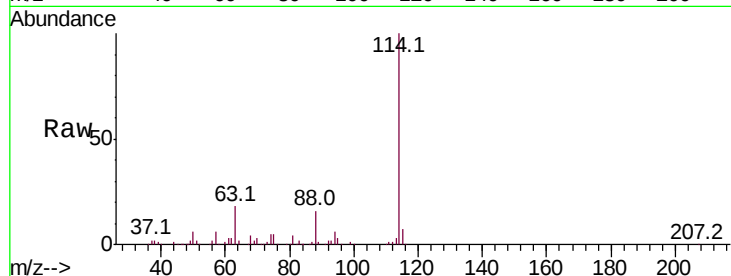




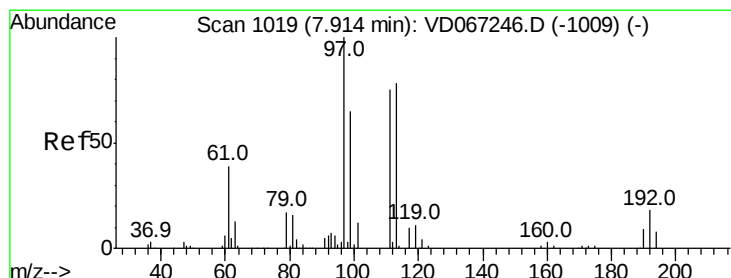
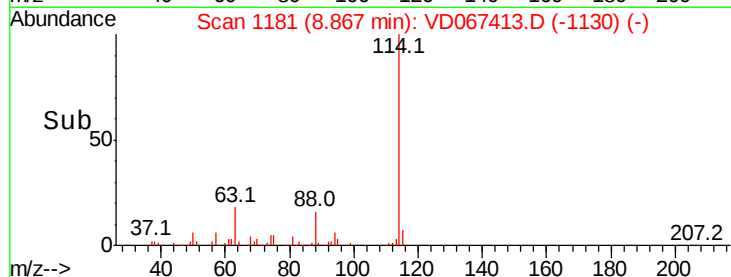
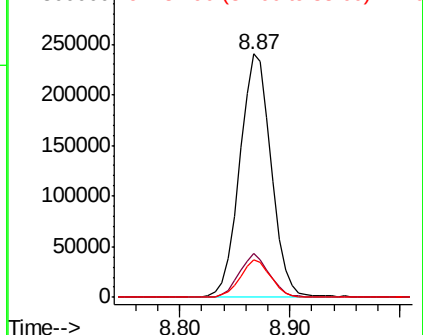
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD067413.D
Acq: 27 Oct 2020 15:57

Instrument :
MSVOA_D
ClientSampleId :
VOC-8

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	35.0
88	15.6	0.0	30.6

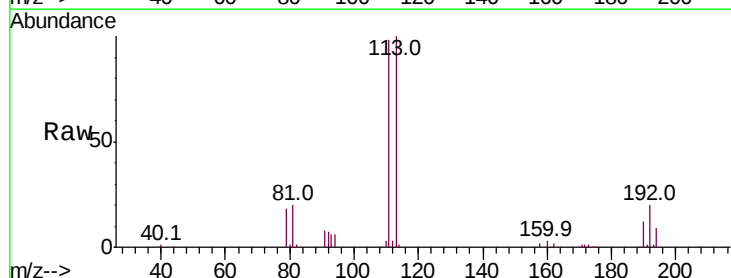


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

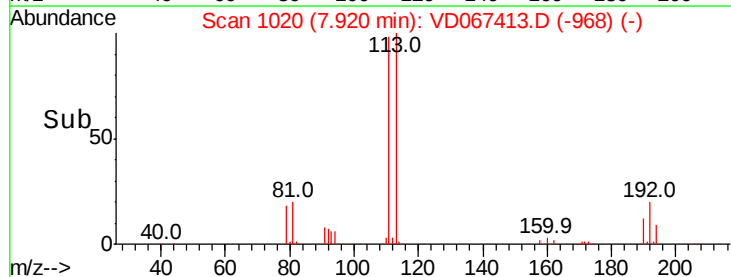
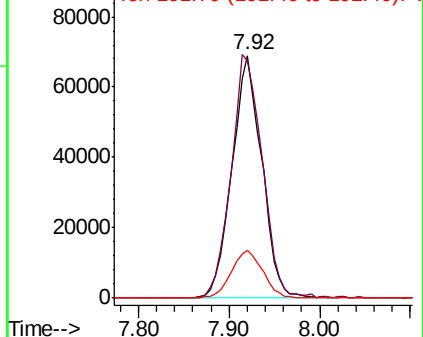


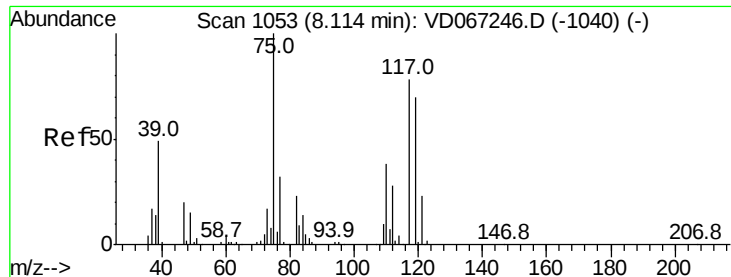
#35
Dibromofluoromethane
Concen: 49.205 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067413.D
Acq: 27 Oct 2020 15:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.1	81.6	122.4
192	20.6	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: 4.841 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067413.D

Acq: 27 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleID :

VOC-8

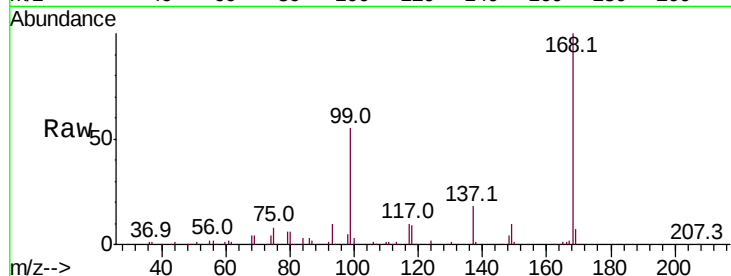
Tot Ion: 75 Resp: 19771

Ion Ratio Lower Upper

75 100

110 12.4 19.6 58.7#

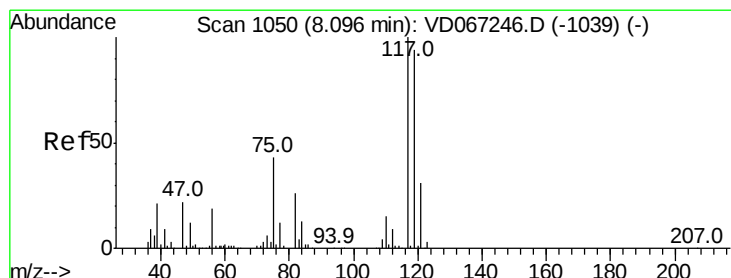
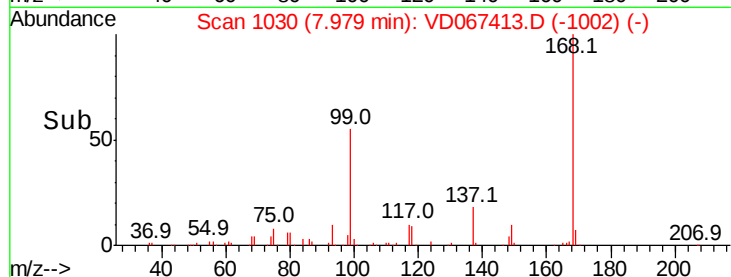
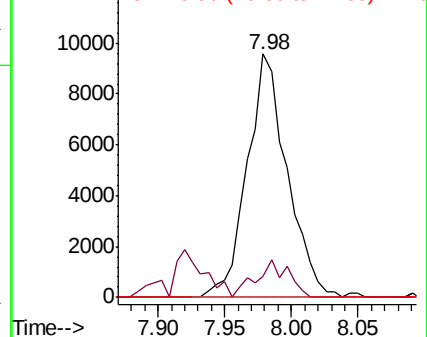
77 0.0 24.6 37.0#



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: 5.596 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067413.D

Acq: 27 Oct 2020 15:57

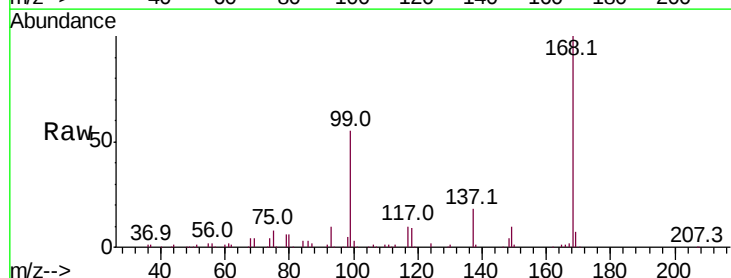
Tgt Ion: 117 Resp: 29208

Ion Ratio Lower Upper

117 100

119 3.5 75.0 112.4#

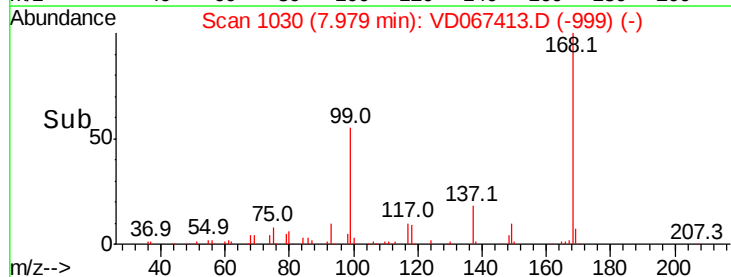
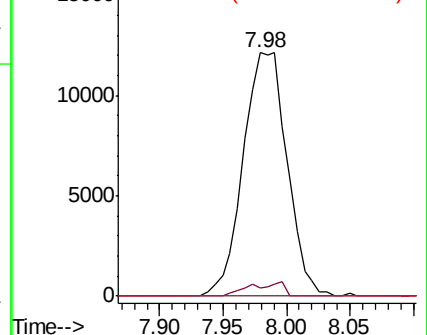
121 0.0 24.9 37.3#

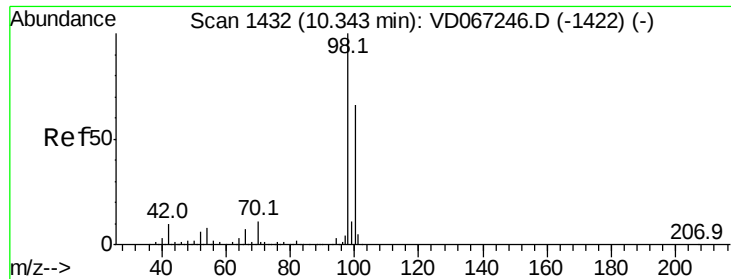


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 50.027 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067413.D

Acq: 27 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

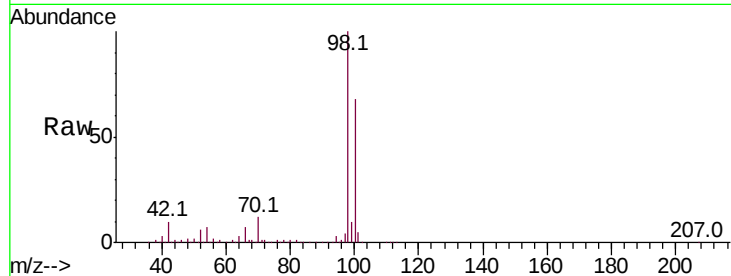
VOC-8

Tot Ion: 98 Resp: 580548

Ion Ratio Lower Upper

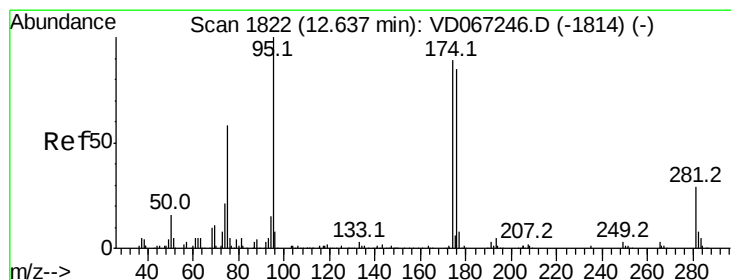
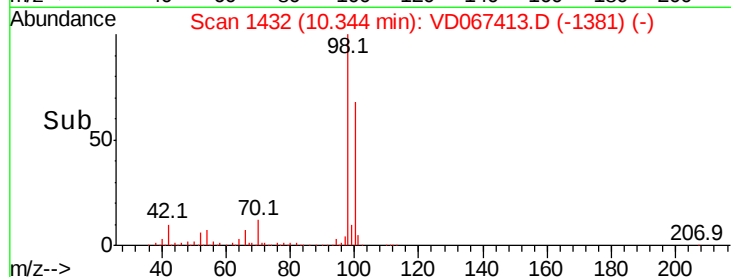
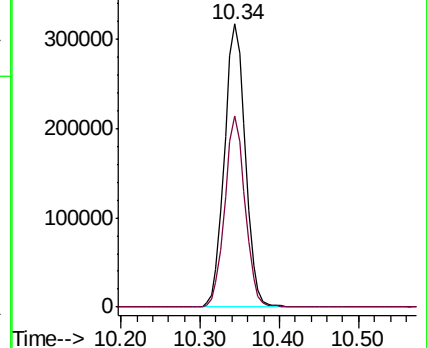
98 100

100 65.0 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: 51.771 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067413.D

Acq: 27 Oct 2020 15:57

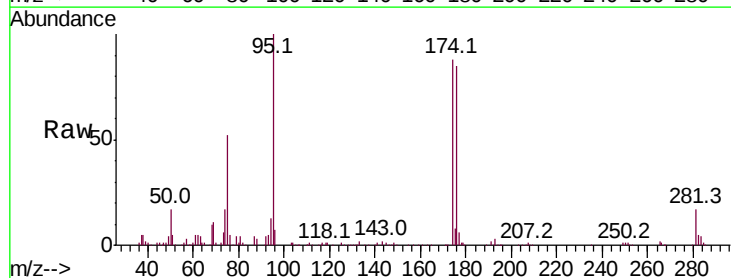
Tgt Ion: 95 Resp: 208909

Ion Ratio Lower Upper

95 100

174 89.2 0.0 175.2

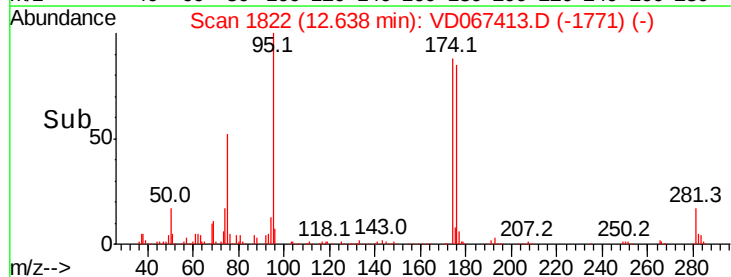
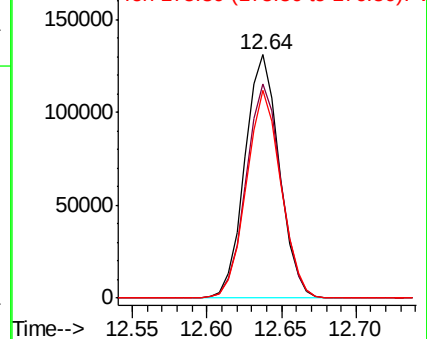
176 85.8 0.0 168.6

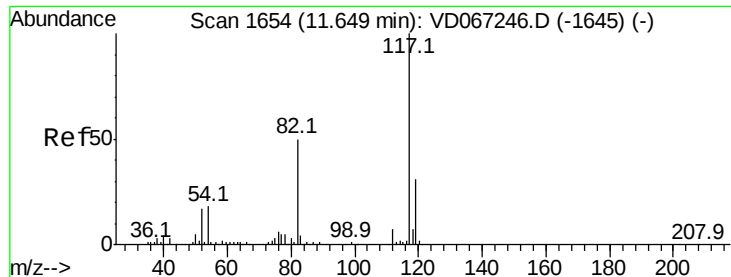


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

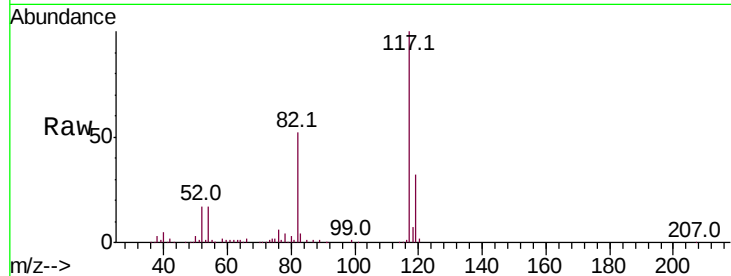




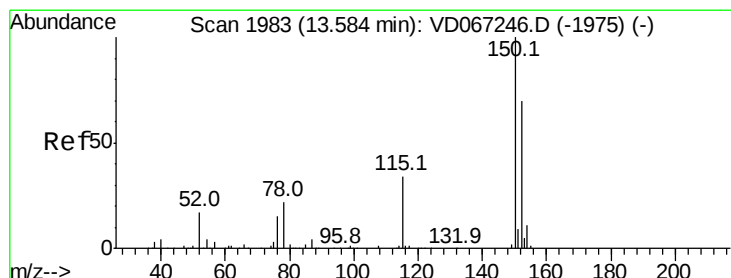
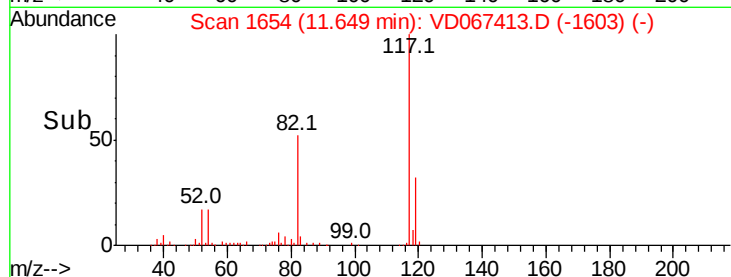
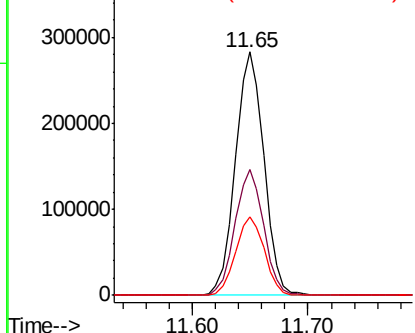
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067413.D
Acq: 27 Oct 2020 15:57

Instrument :
MSVOA_D
ClientSampleId :
VOC-8

Tot Ion:117 Resp: 484110
Ion Ratio Lower Upper
117 100
82 51.5 39.9 59.9
119 32.2 24.9 37.3

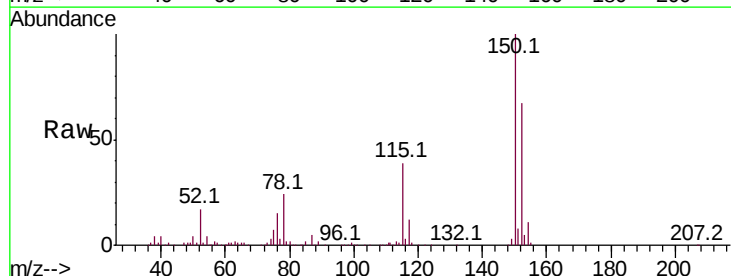


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

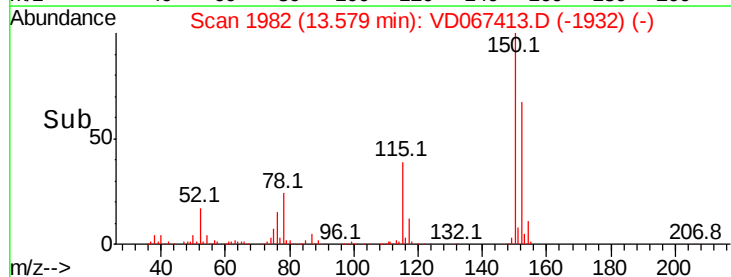
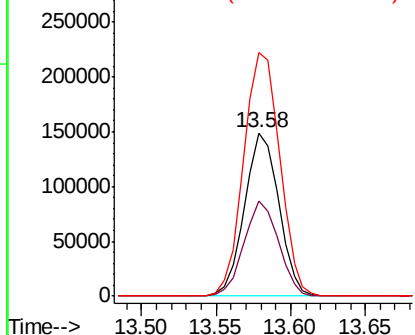


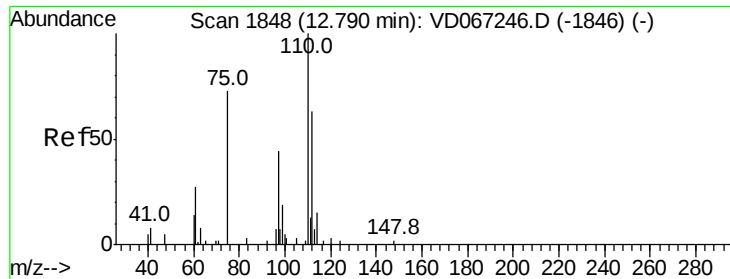
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067413.D
Acq: 27 Oct 2020 15:57

Tgt Ion:152 Resp: 236078
Ion Ratio Lower Upper
152 100
115 58.7 29.3 87.9
150 158.0 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: 65.540 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067413.D

Acq: 27 Oct 2020 15:57

Instrument :

MSVOA_D

ClientSampleId :

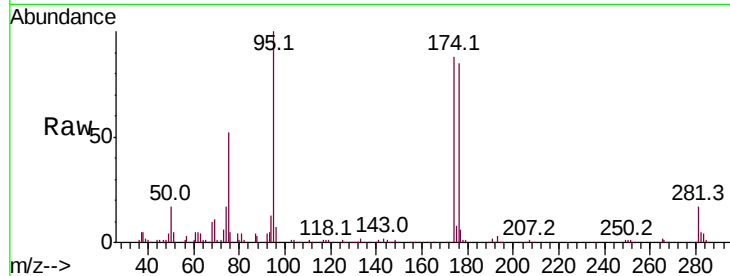
VOC-8

Tot Ion: 75 Resp: 107240

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

12.64

80000

60000

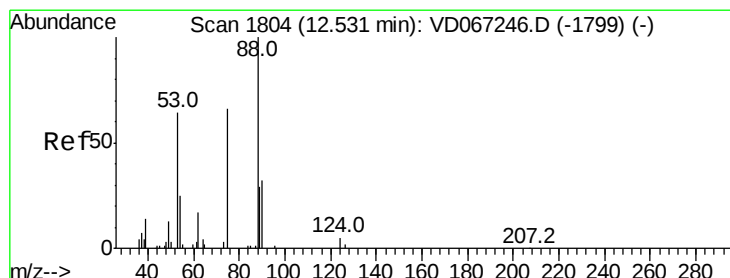
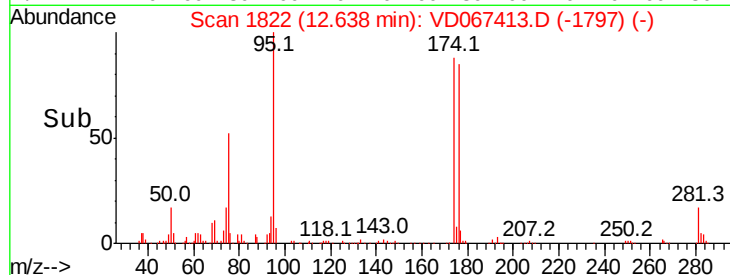
40000

20000

0

Time-->

12.60 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 148.626 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067413.D

Acq: 27 Oct 2020 15:57

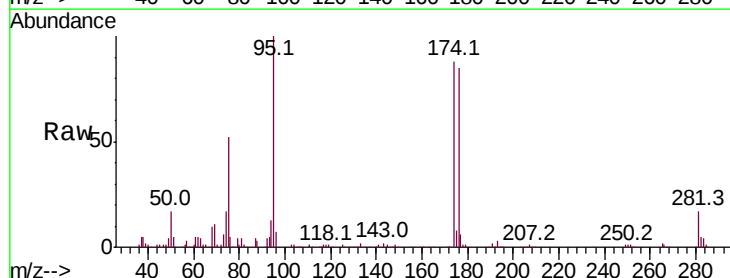
Tgt Ion: 75 Resp: 107240

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.2 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

12.64

80000

60000

40000

20000

0

Time-->

12.60 12.70

