

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102720\
 Data File : VD067420.D
 Acq On : 27 Oct 2020 19:09
 Operator : VA/SY
 Sample : L4510-03
 Misc : 5.62G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-3

Quant Time: Oct 28 00:47:22 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

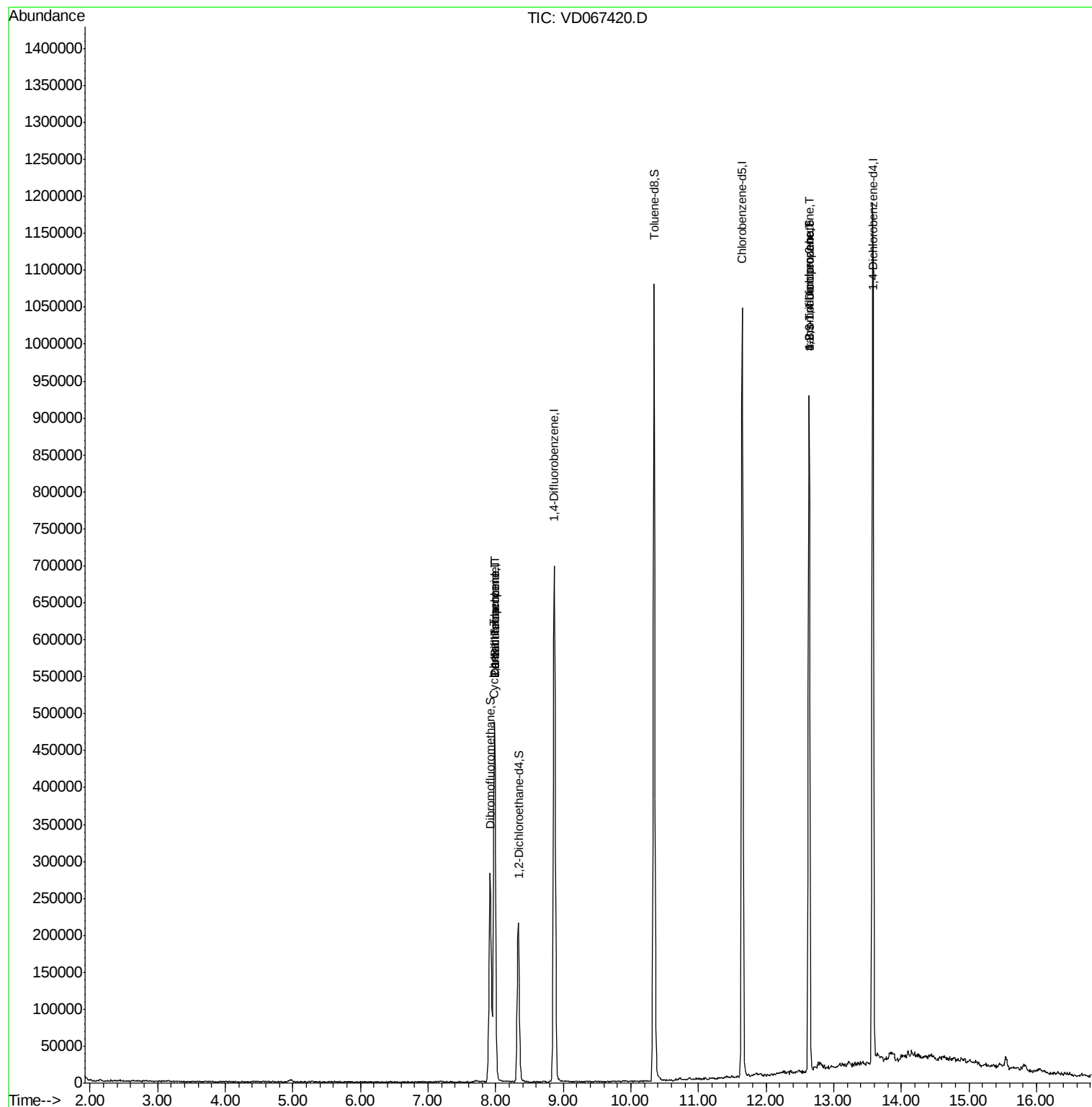
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	373489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	629215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	631726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	331175	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	185592	49.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.20%	
35) Dibromofluoromethane	7.92	113	200451	47.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.74%	
50) Toluene-d8	10.34	98	744752	49.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.64	95	287900	54.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.98	85	66	Below Cal	#	44
5) Bromomethane	2.79	94	76	Below Cal	#	3
11) Tert butyl alcohol	5.24	59	76	Below Cal	#	81
20) Methylene Chloride	4.97	84	2546	Below Cal	#	74
31) Cyclohexane	7.97	56	7260	1.685	ug/l #	35
36) 1,1-Dichloropropene	7.98	75	25465	4.775	ug/l #	51
38) Carbon Tetrachloride	7.98	117	37591	5.515	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	144664	63.025	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	144664	142.921	ug/l #	10

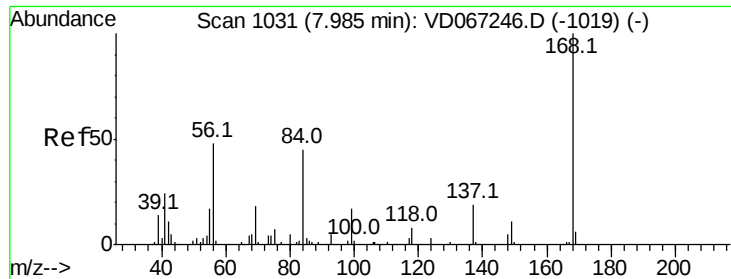
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102720\
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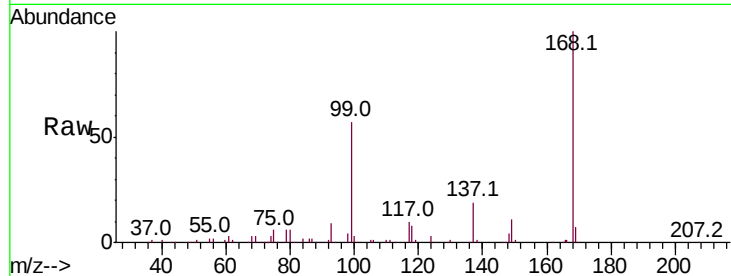


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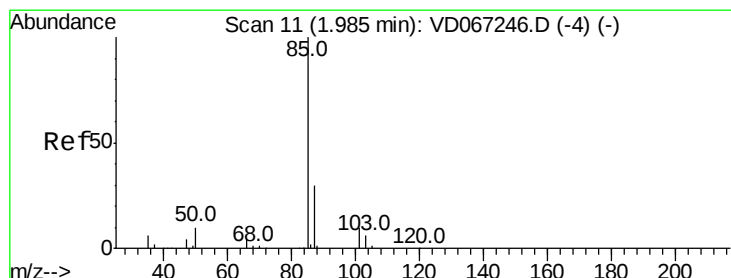
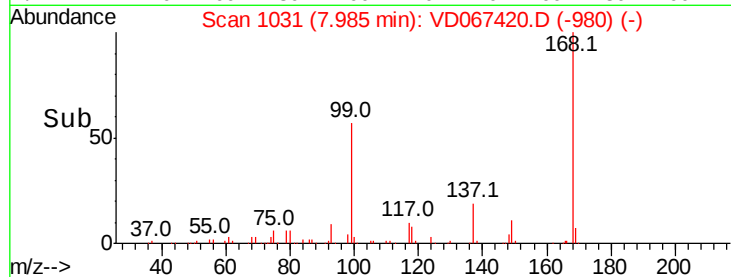
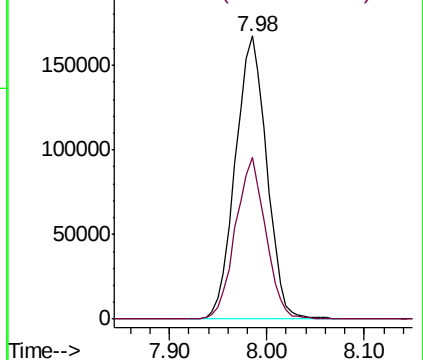
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VD067420.D
 Acq: 27 Oct 2020 19:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-3

Tot Ion:168 Resp: 373489
 Ion Ratio Lower Upper
 168 100
 99 57.1 45.9 68.9



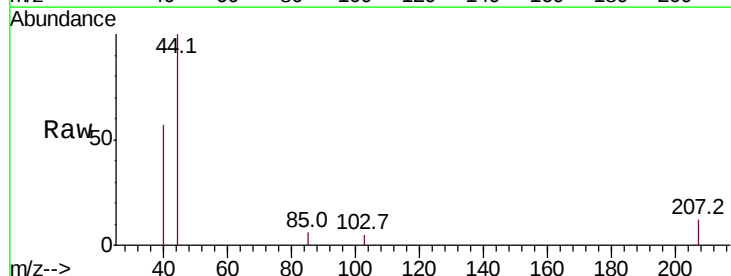
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VDC



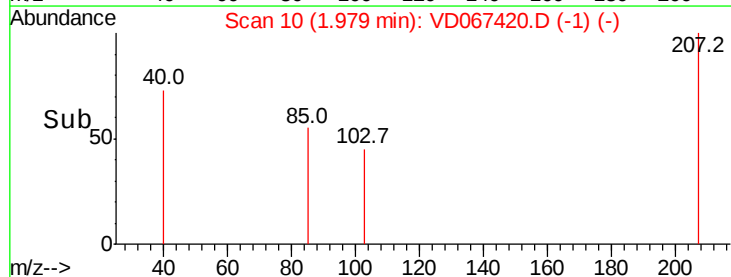
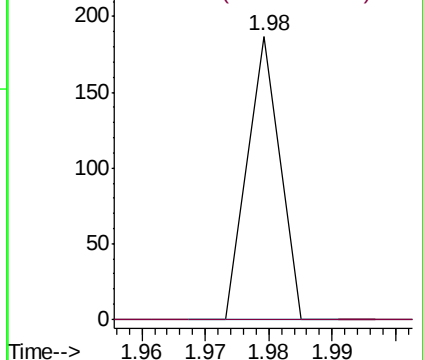
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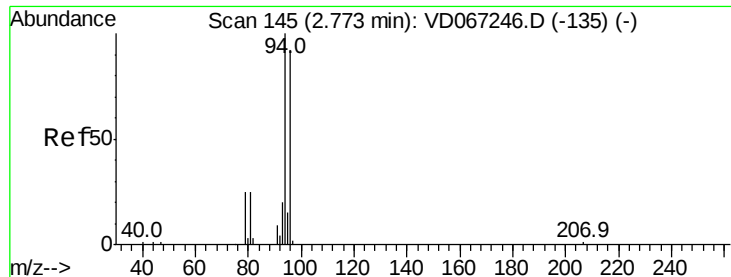
Dichlorodifluoromethane
 Concen: Below Cal
 RT: 1.98 min Scan# 10
 Delta R.T. -0.00 min
 Lab File: VD067420.D
 Acq: 27 Oct 2020 19:09

Tgt Ion: 85 Resp: 66
 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





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067420.D

Acq: 27 Oct 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

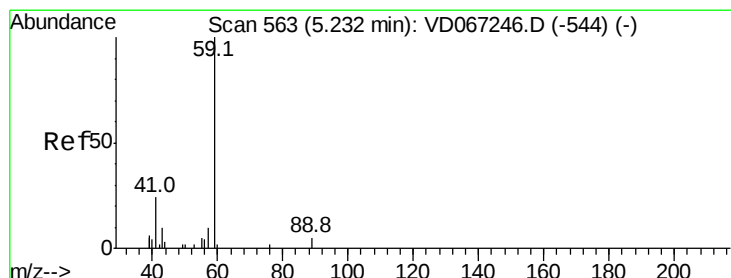
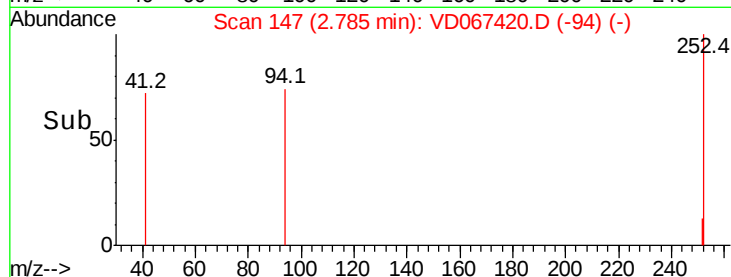
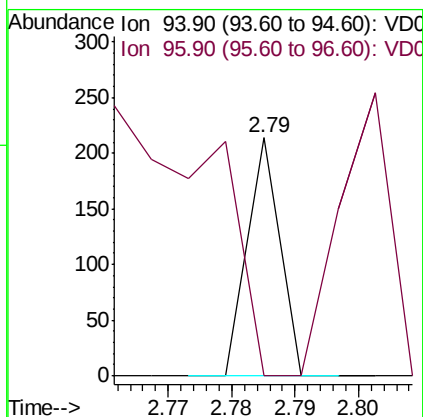
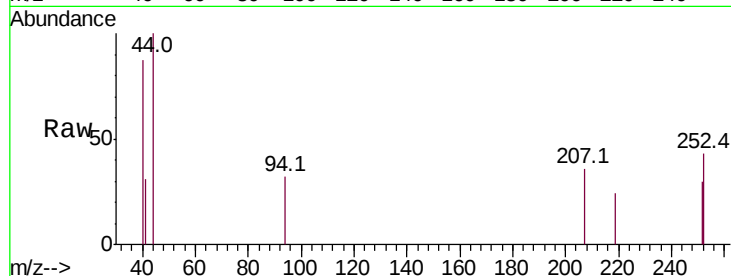
VOC-3

Tot Ion: 94 Resp: 76

Ion Ratio Lower Upper

94 100

96 0.0 73.8 110.6#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 564

Delta R.T. 0.01 min

Lab File: VD067420.D

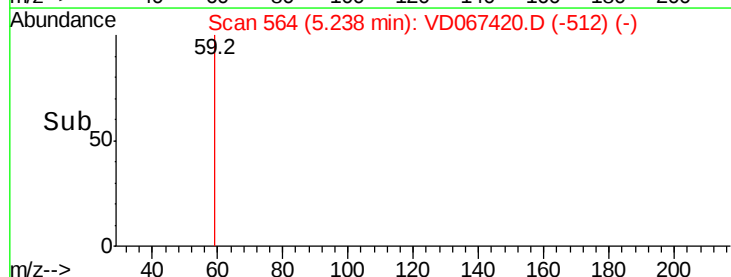
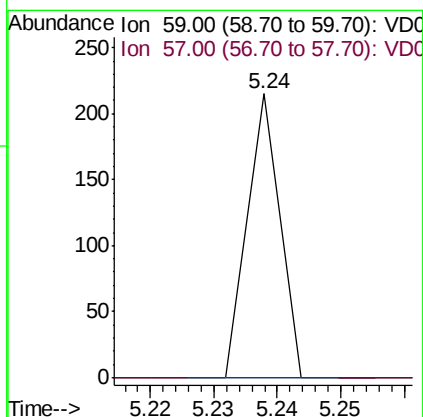
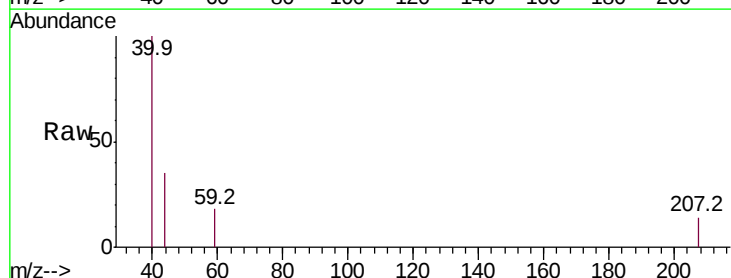
Acq: 27 Oct 2020 19:09

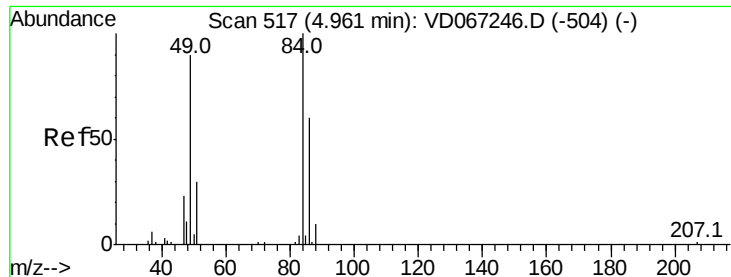
Tgt Ion: 59 Resp: 76

Ion Ratio Lower Upper

59 100

57 0.0 5.1 7.7#

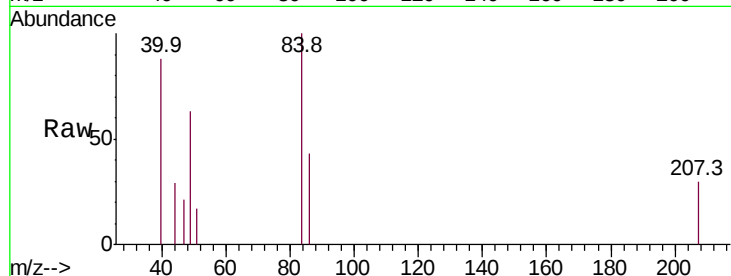




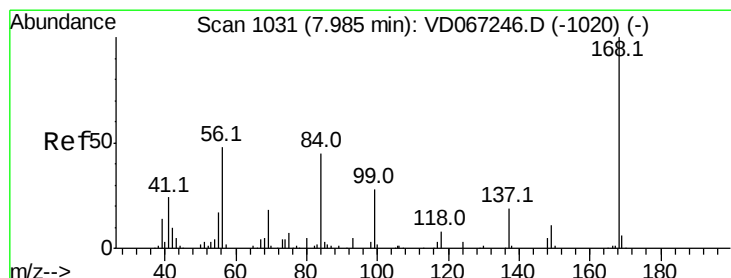
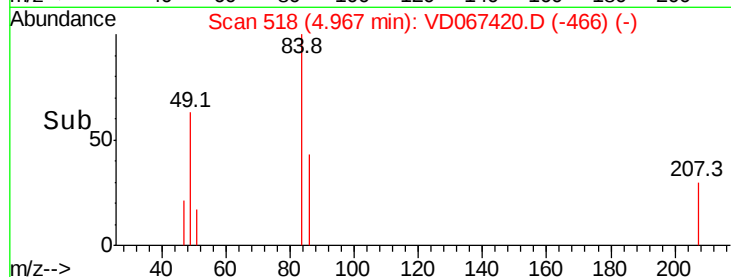
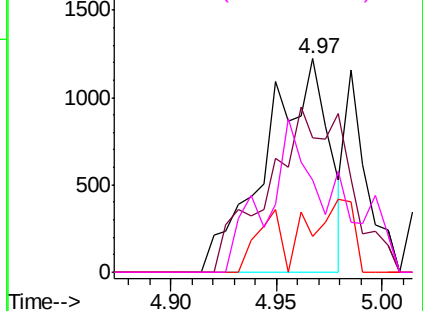
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067420.D
Acq: 27 Oct 2020 19:09

Instrument :
MSVOA_D
ClientSampleId :
VOC-3

Tot Ion: 84 Resp: 2546
Ion Ratio Lower Upper
84 100
49 62.7 72.2 108.2#
51 16.8 23.8 35.8#
86 43.2 48.2 72.4#

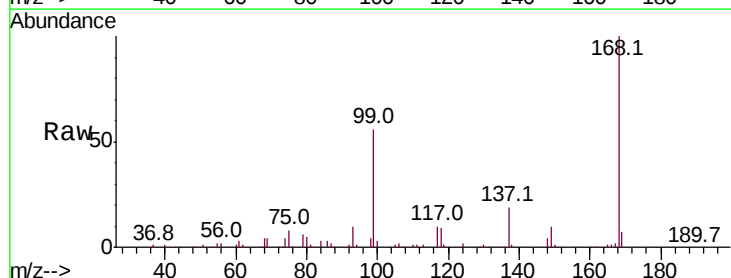


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

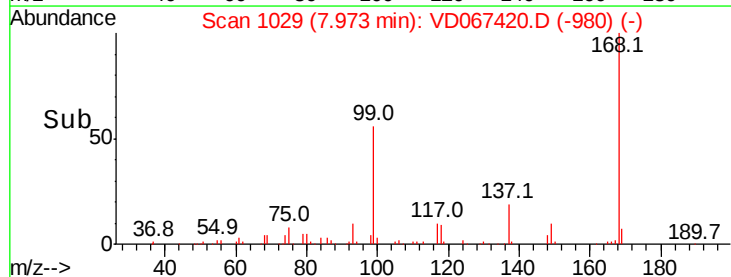
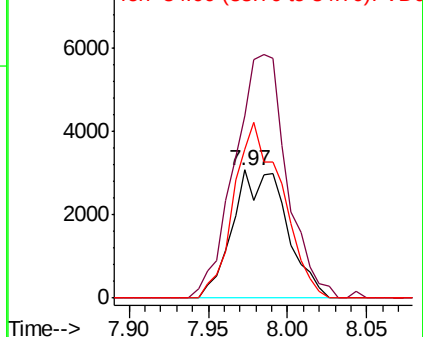


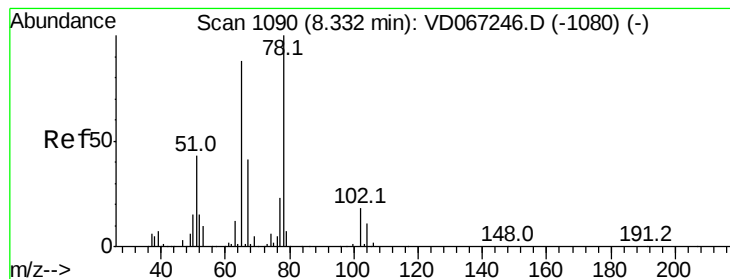
#31
Cyclohexane
Concen: 1.685 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD067420.D
Acq: 27 Oct 2020 19:09

Tgt Ion: 56 Resp: 7260
Ion Ratio Lower Upper
56 100
69 142.4 29.8 44.6#
84 116.5 76.6 114.8#



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: 49.600 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067420.D

Acq: 27 Oct 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

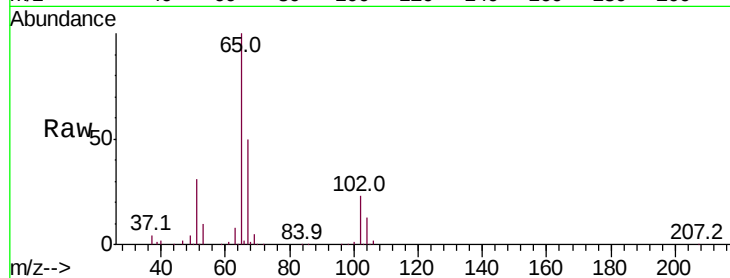
VOC-3

Tot Ion: 65 Resp: 185592

Ion Ratio Lower Upper

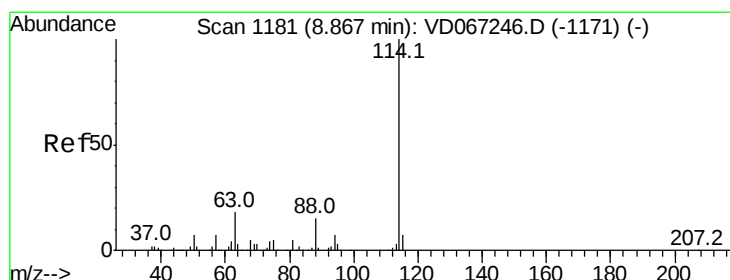
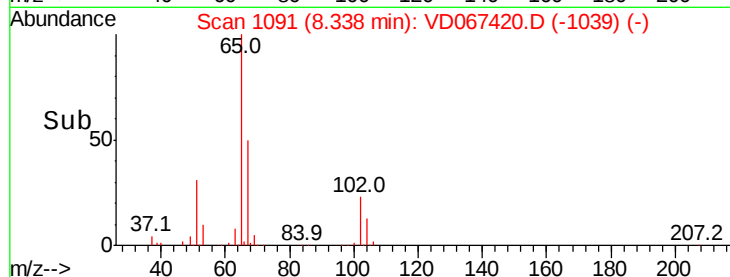
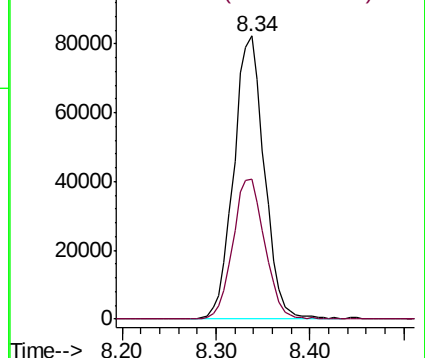
65 100

67 51.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067420.D

Acq: 27 Oct 2020 19:09

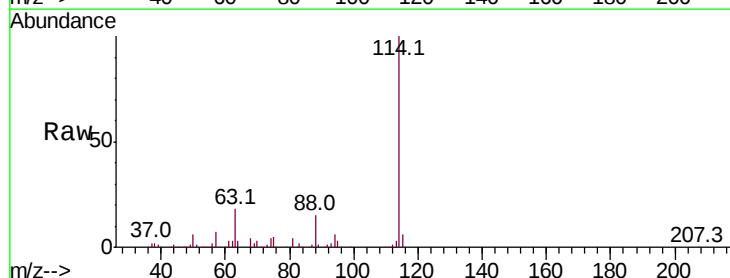
Tgt Ion:114 Resp: 629215

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.0

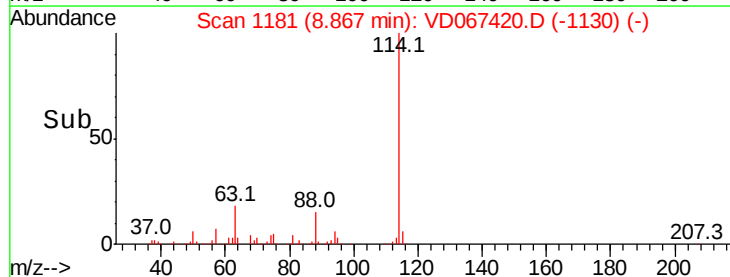
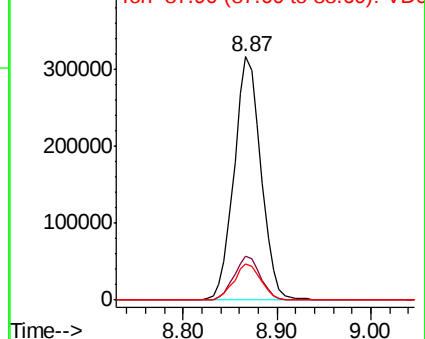
88 15.1 0.0 30.6

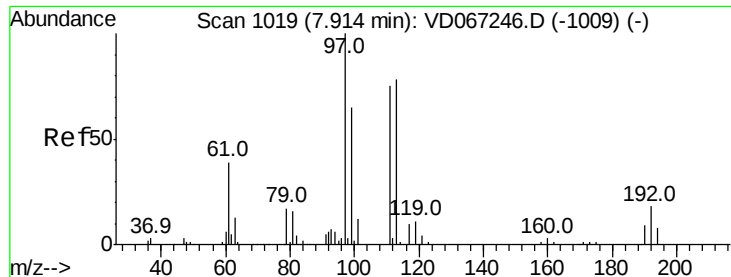


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

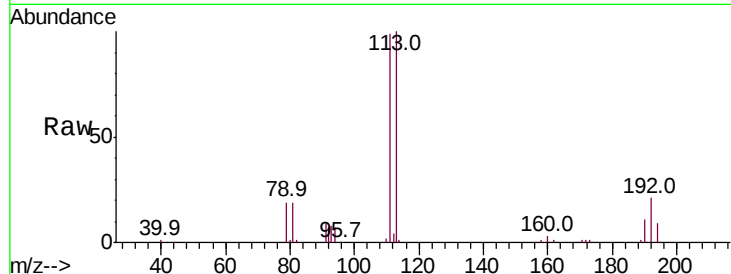




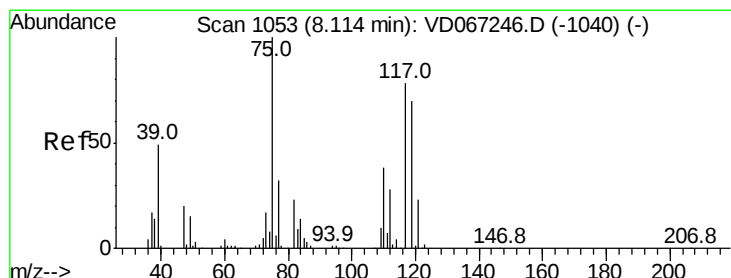
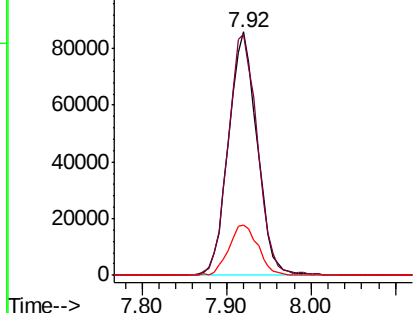
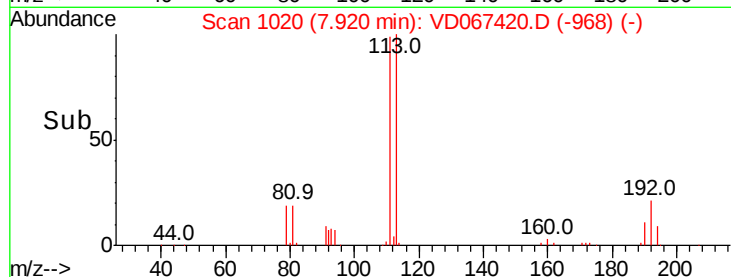
#35
Dibromofluoromethane
Concen: 47.870 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067420.D
Acq: 27 Oct 2020 19:09

Instrument :
MSVOA_D
ClientSampleId :
VOC-3

Tot Ion:113 Resp: 200451
Ion Ratio Lower Upper
113 100
111 101.5 81.6 122.4
192 21.0 17.0 25.4

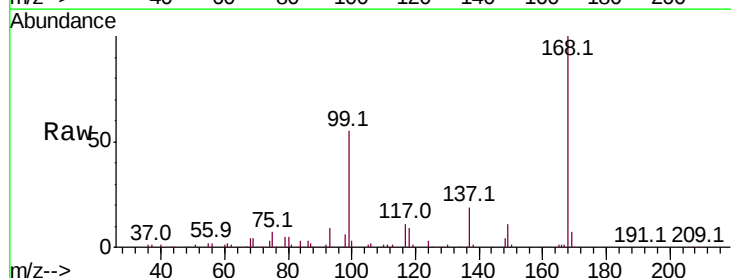


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

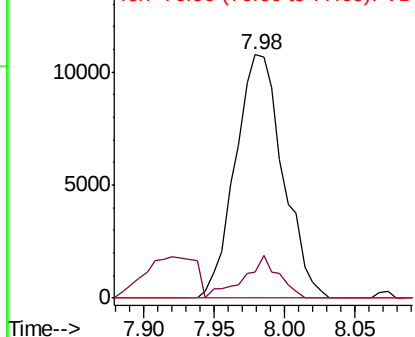
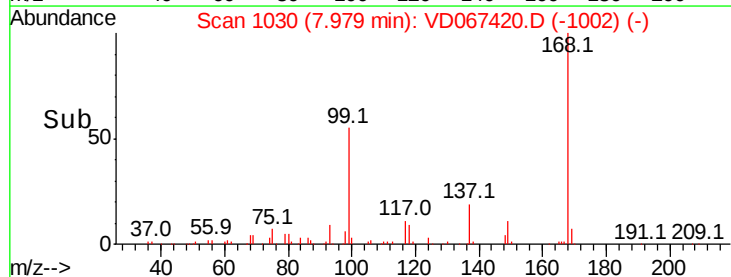


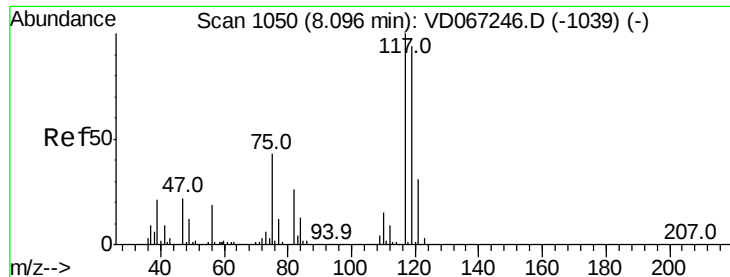
#36
1,1-Dichloropropene
Concen: 4.775 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.14 min
Lab File: VD067420.D
Acq: 27 Oct 2020 19:09

Tgt Ion: 75 Resp: 25465
Ion Ratio Lower Upper
75 100
110 12.2 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: 5.515 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067420.D

Acq: 27 Oct 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

VOC-3

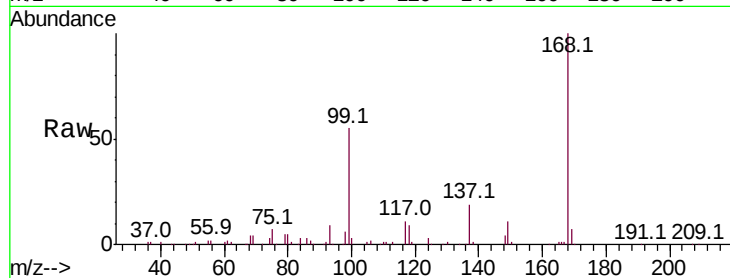
Tot Ion:117 Resp: 37591

Ion Ratio Lower Upper

117 100

119 6.4 75.0 112.4#

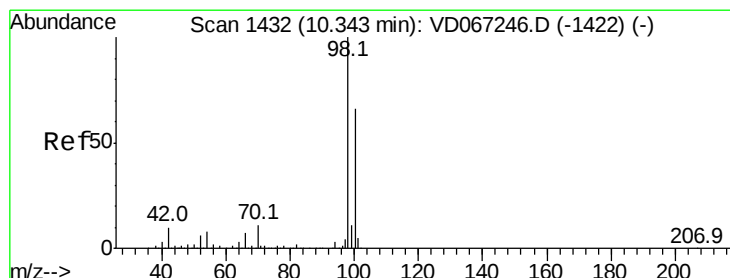
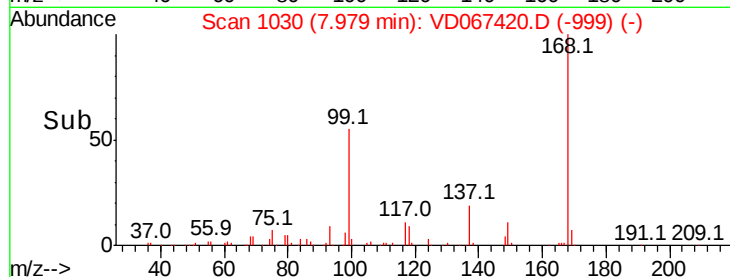
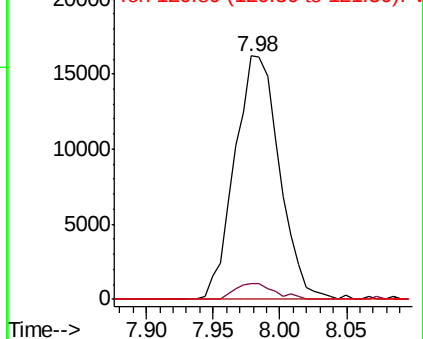
121 0.0 24.9 37.3#



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: 49.146 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067420.D

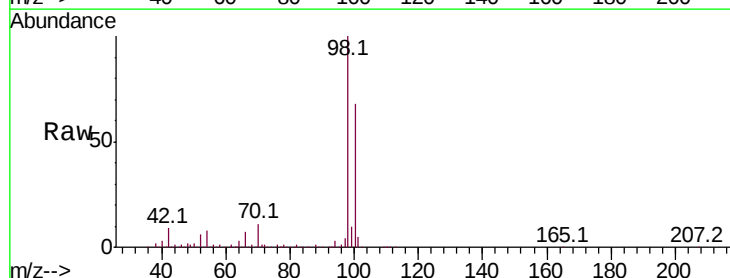
Acq: 27 Oct 2020 19:09

Tgt Ion: 98 Resp: 744752

Ion Ratio Lower Upper

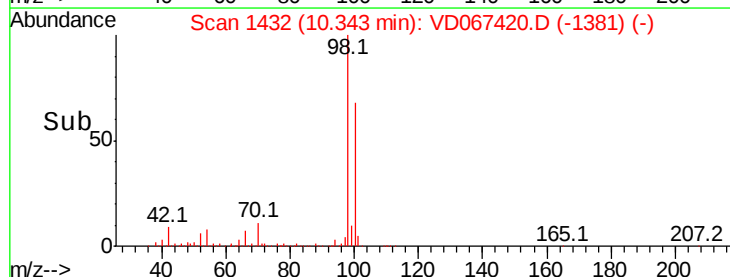
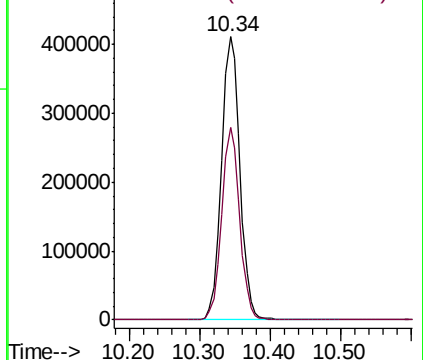
98 100

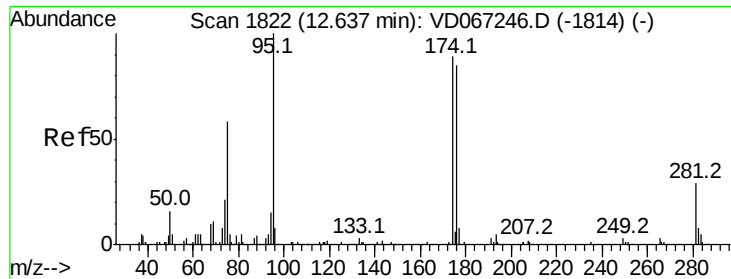
100 66.1 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

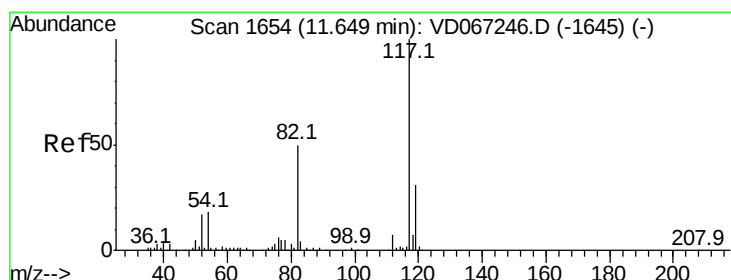
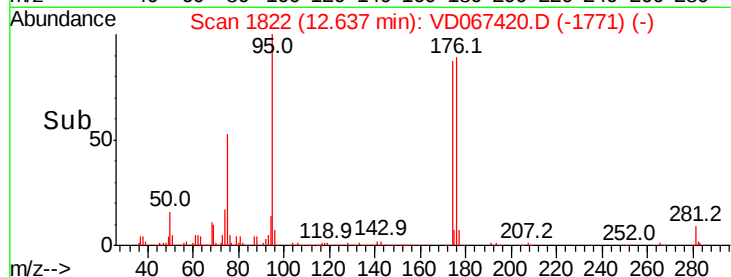
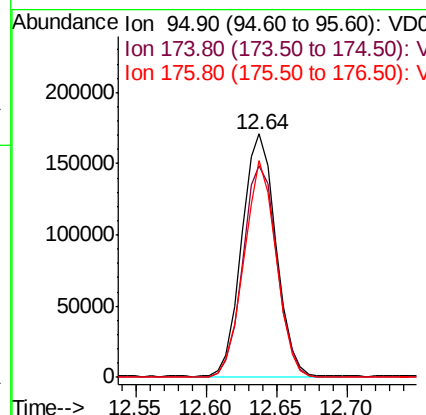
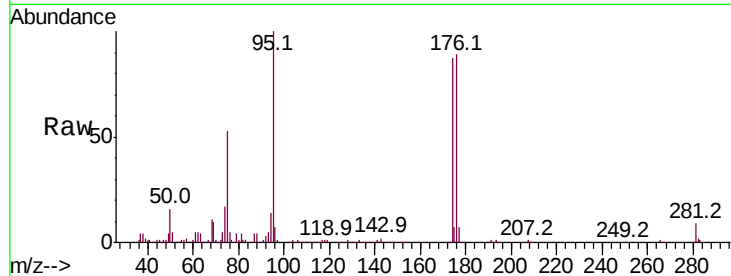




#62
4-Bromofluorobenzene
Concen: 54.637 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067420.D
Acq: 27 Oct 2020 19:09

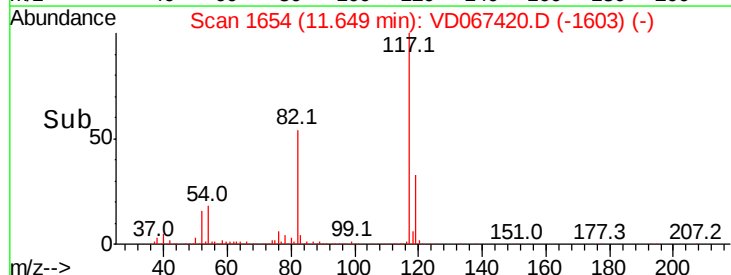
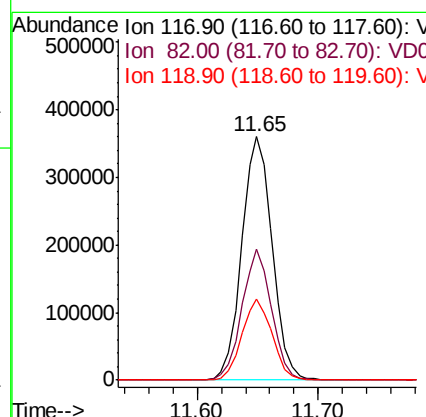
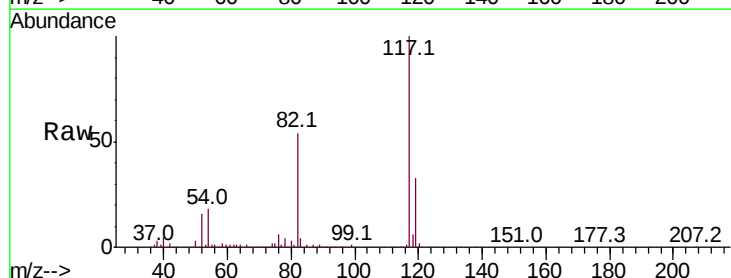
Instrument :
MSVOA_D
ClientSampled :
VOC-3

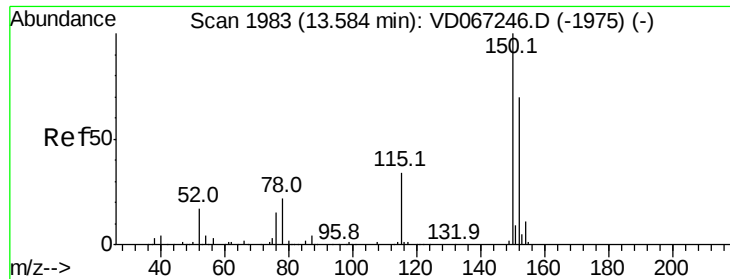
Tot Ion	Ratio	Lower	Upper
95	100		
174	87.5	0.0	175.2
176	84.6	0.0	168.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067420.D
Acq: 27 Oct 2020 19:09

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.7	39.9	59.9
119	33.4	24.9	37.3



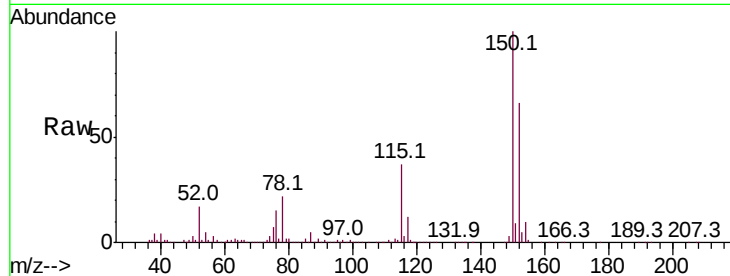


#72

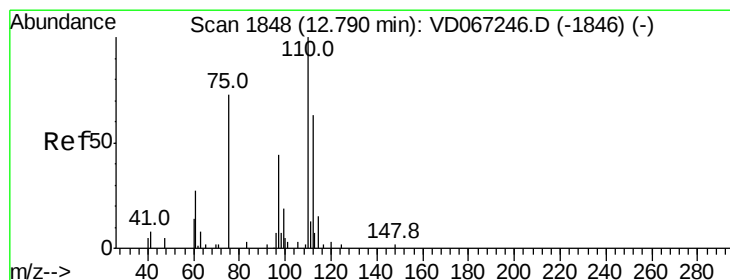
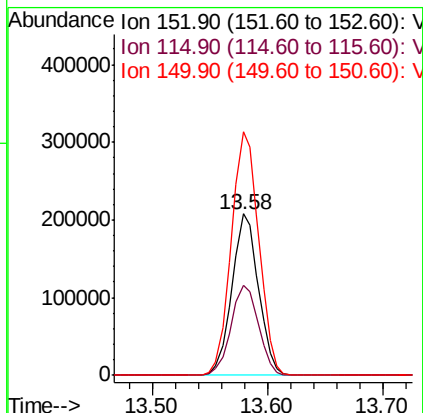
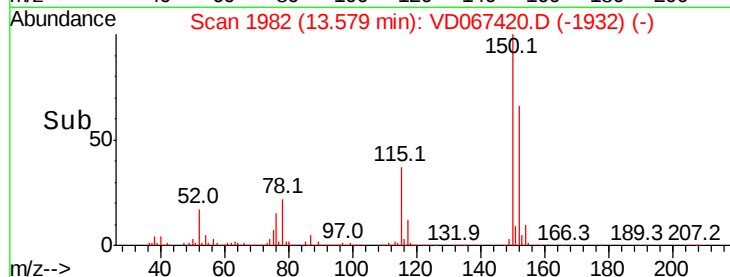
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067420.D
Acq: 27 Oct 2020 19:09

Instrument :
MSVOA_D
ClientSampleId :
VOC-3

Tot Ion:152 Resp: 331175
Ion Ratio Lower Upper
152 100
115 57.8 29.3 87.9
150 155.4 0.0 339.0



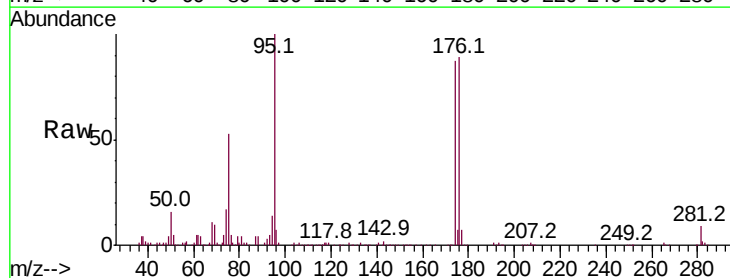
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



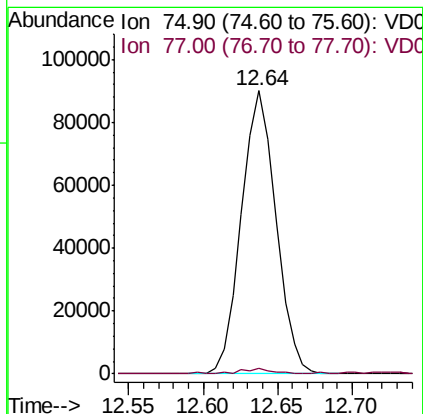
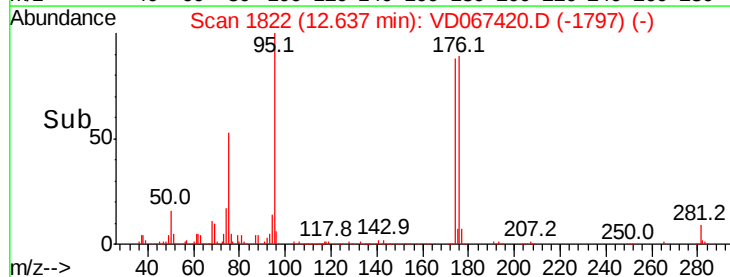
#76

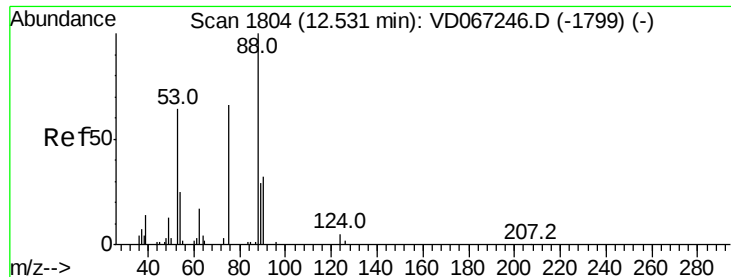
1,2,3-Trichloropropane
Concen: 63.025 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067420.D
Acq: 27 Oct 2020 19:09

Tgt Ion: 75 Resp: 144664
Ion Ratio Lower Upper
75 100
77 2.2 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: 142.921 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067420.D

Acq: 27 Oct 2020 19:09

Instrument :

MSVOA_D

ClientSampleId :

VOC-3

Tot Ion: 75 Resp: 144664

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 39.9 59.9#

