

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102720\
 Data File : VD067421.D
 Acq On : 27 Oct 2020 19:37
 Operator : VA/SY
 Sample : L4510-05
 Misc : 6.16G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-5

Quant Time: Oct 28 00:47:32 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	7.99	168	15176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	24851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	25689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	13647	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	11907	78.31	ug/l	0.00
Spiked Amount						
				Recovery	=	156.62%
35) Dibromofluoromethane	7.92	113	8251	49.89	ug/l	0.00
Spiked Amount						
				Recovery	=	99.78%
50) Toluene-d8	10.34	98	30612	51.15	ug/l	0.00
Spiked Amount						
				Recovery	=	102.30%
62) 4-Bromofluorobenzene	12.64	95	11234	53.98	ug/l	0.00
Spiked Amount						
				Recovery	=	107.96%

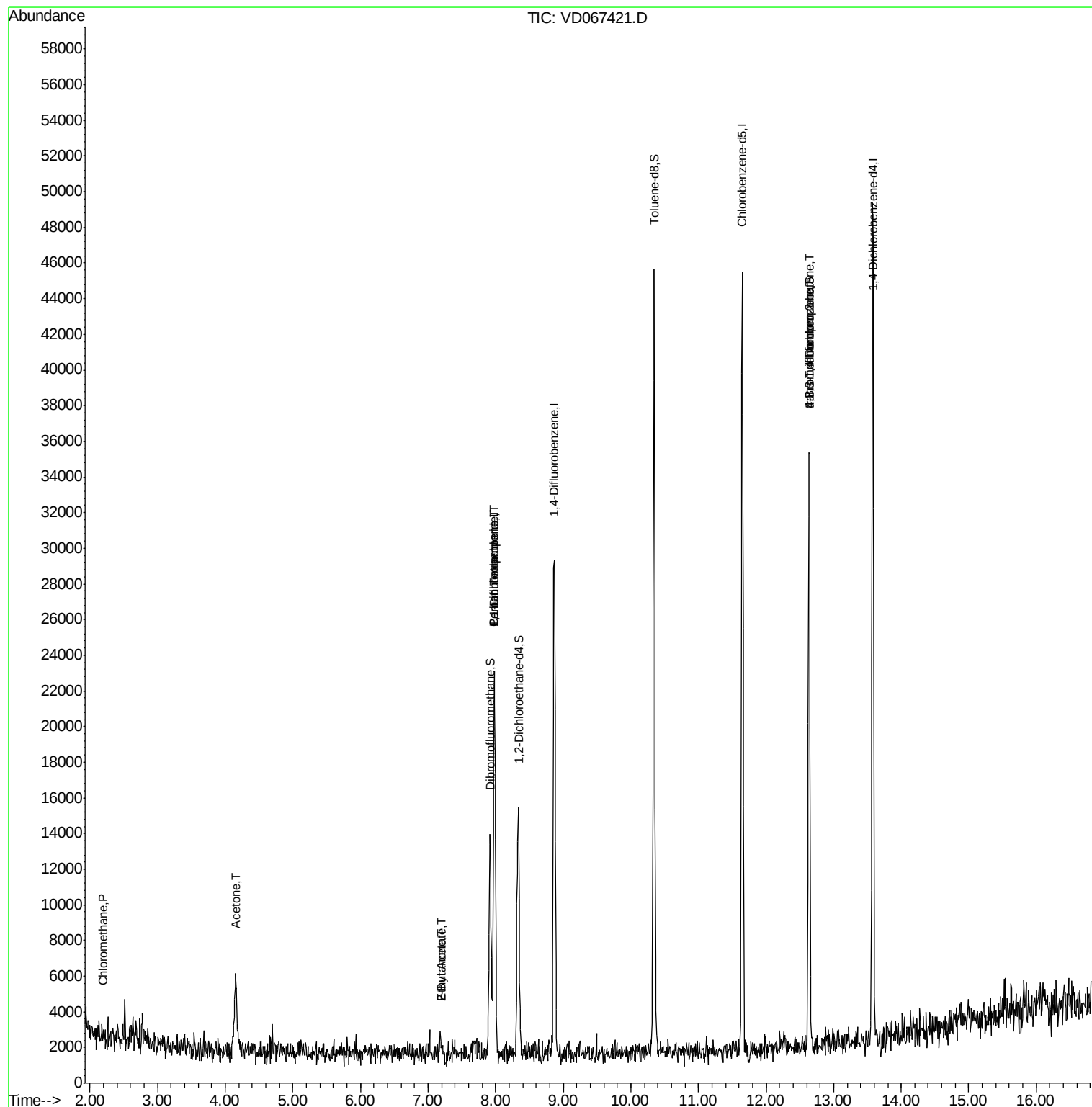
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	102	1.068	ug/l #	41
5) Bromomethane	2.77	94	121	Below Cal		87
11) Tert butyl alcohol	5.26	59	63	Below Cal	#	81
16) Acetone	4.16	43	8094	380.119	ug/l #	82
20) Methylene Chloride	4.97	84	205	Below Cal	#	16
25) 2-Butanone	7.21	43	65	2.678	ug/l #	45
36) 1,1-Dichloropropene	7.97	75	1445	6.860	ug/l #	45
37) Ethyl Acetate	7.21	43	65	1.049	ug/l #	61
38) Carbon Tetrachloride	7.98	117	1713	6.363	ug/l #	13
76) 1,2,3-Trichloropropane	12.64	75	5454	57.661	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	5454	130.759	ug/l #	10

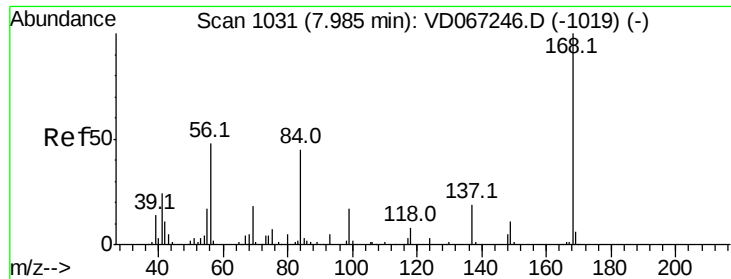
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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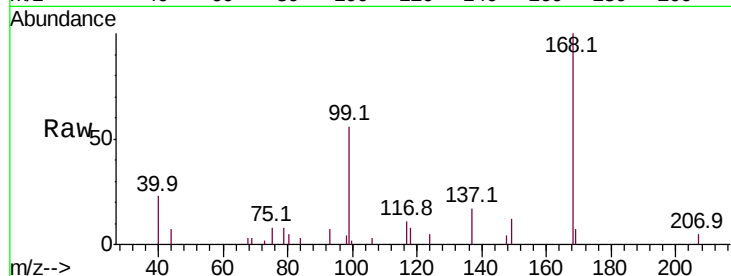




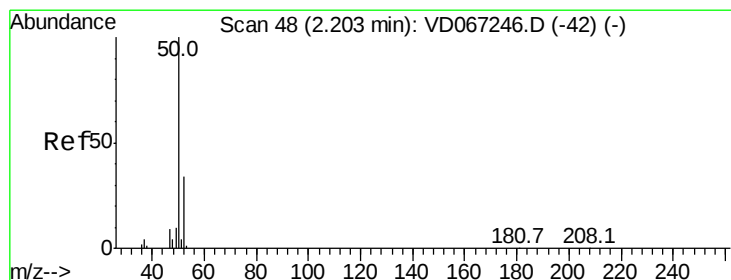
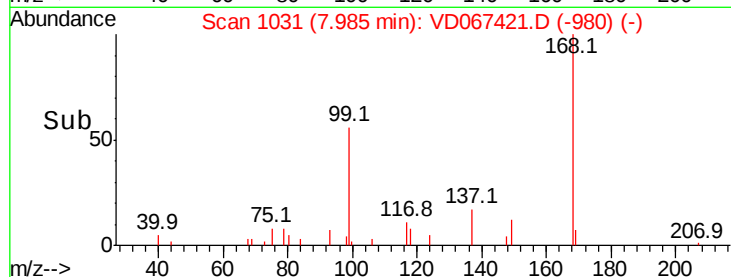
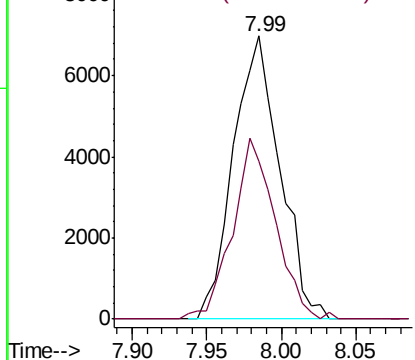
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067421.D
Acq: 27 Oct 2020 19:37

Instrument :
MSVOA_D
ClientSampleId :
VOC-5

Tot Ion:168 Resp: 15176
Ion Ratio Lower Upper
168 100
99 56.0 45.9 68.9

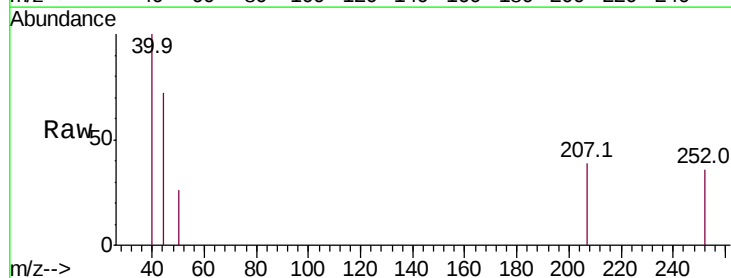


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC

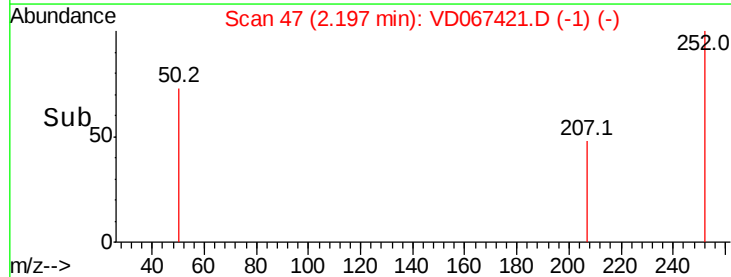
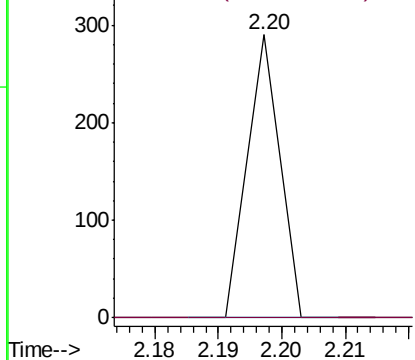


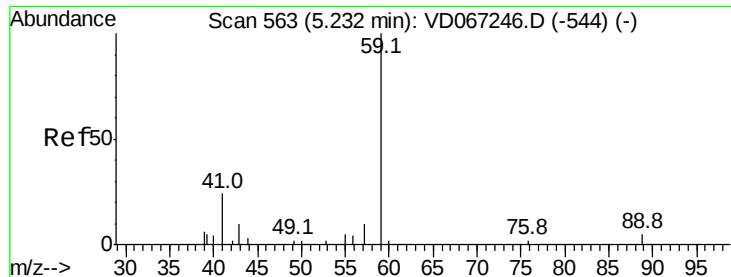
#3
Chloromethane
Concen: 1.068 ug/l
RT: 2.20 min Scan# 47
Delta R.T. -0.01 min
Lab File: VD067421.D
Acq: 27 Oct 2020 19:37

Tgt Ion: 50 Resp: 102
Ion Ratio Lower Upper
50 100
52 0.0 27.1 40.7#



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



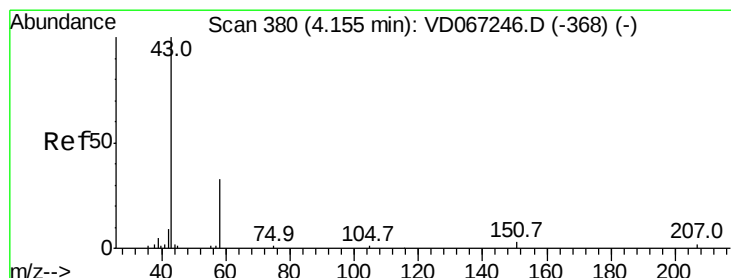
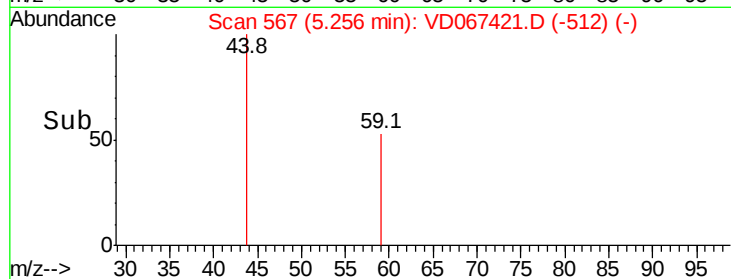
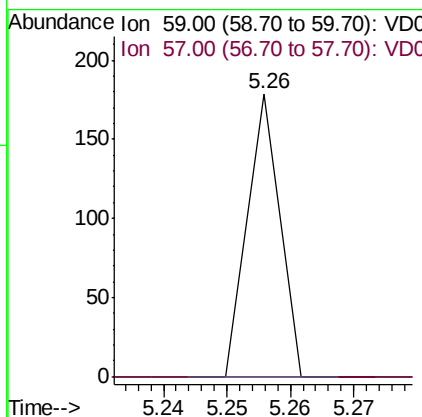
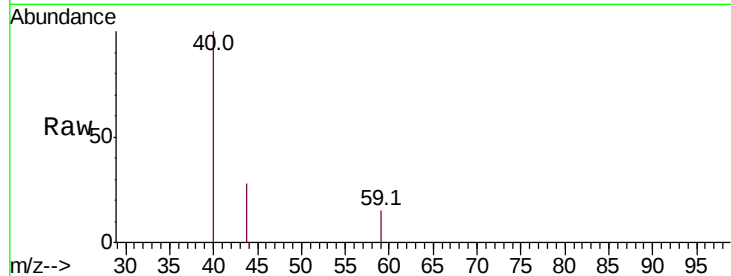


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.26 min Scan# 567
 Delta R.T. 0.02 min
 Lab File: VD067421.D
 Acq: 27 Oct 2020 19:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-5

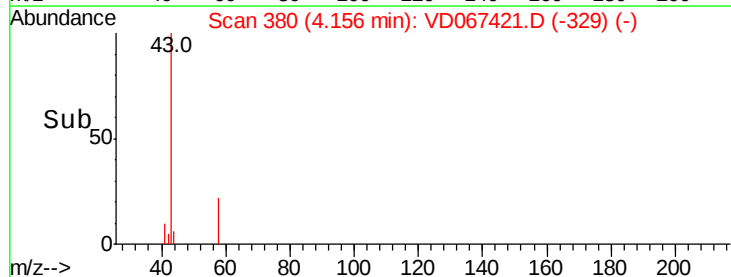
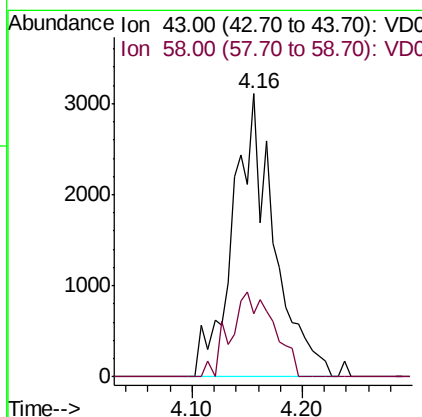
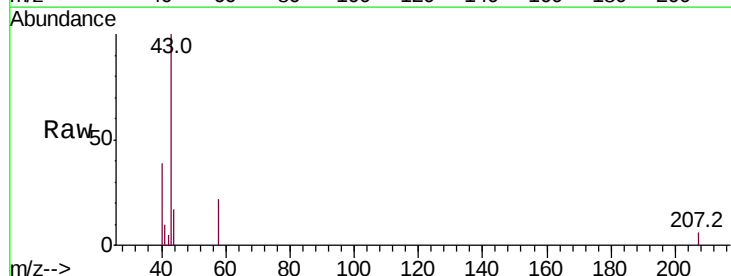
Tot Ion: 59 Resp: 63
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.1 7.7#

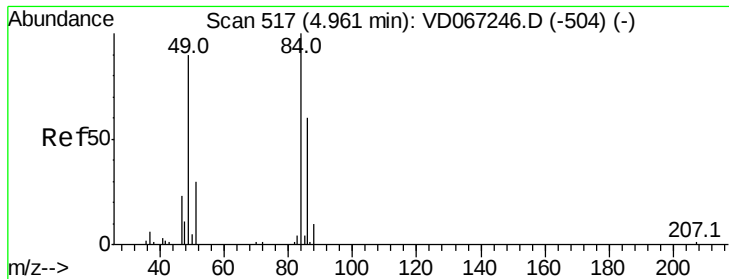


#16

Acetone
 Concen: 380.119 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VD067421.D
 Acq: 27 Oct 2020 19:37

Tgt Ion: 43 Resp: 8094
 Ion Ratio Lower Upper
 43 100
 58 22.3 26.1 39.1#





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067421.D

Acq: 27 Oct 2020 19:37

Instrument :

MSVOA_D

ClientSampleId :

VOC-5

Tot Ion: 84 Resp: 205

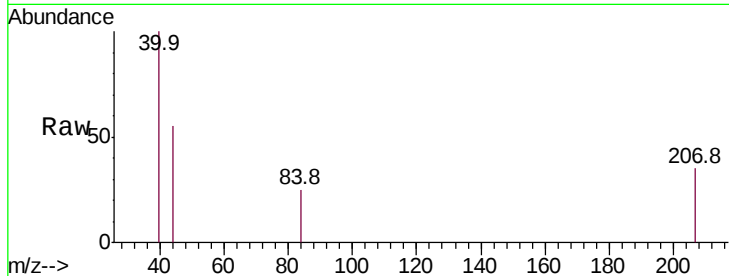
Ion Ratio Lower Upper

84 100

49 0.0 72.2 108.2#

51 0.0 23.8 35.8#

86 0.0 48.2 72.4#

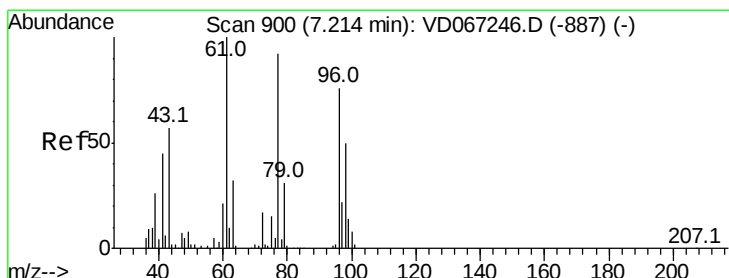
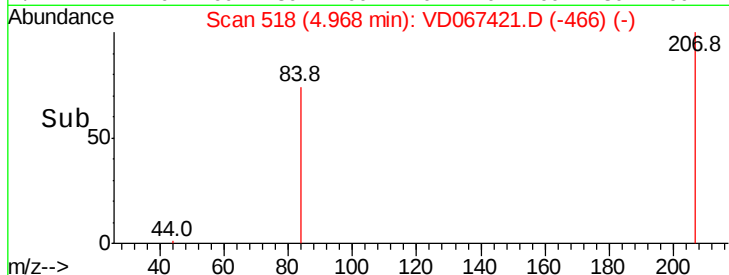
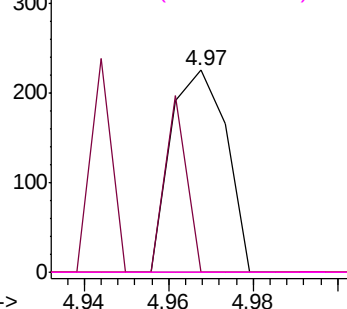


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#25

2-Butanone

Concen: 2.678 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067421.D

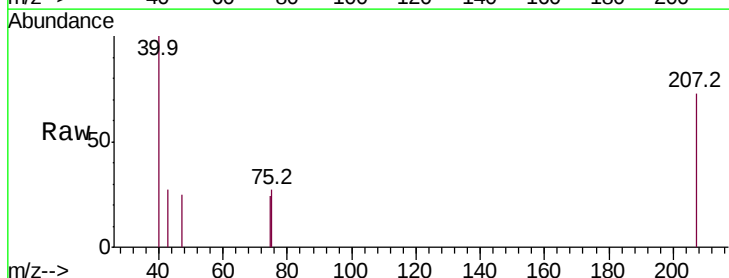
Acq: 27 Oct 2020 19:37

Tgt Ion: 43 Resp: 65

Ion Ratio Lower Upper

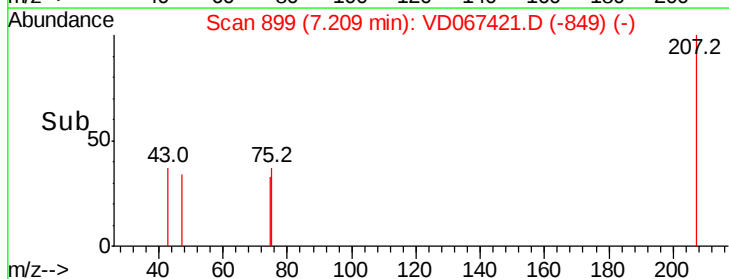
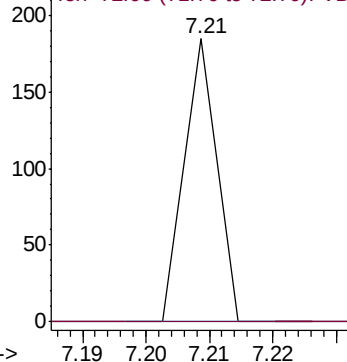
43 100

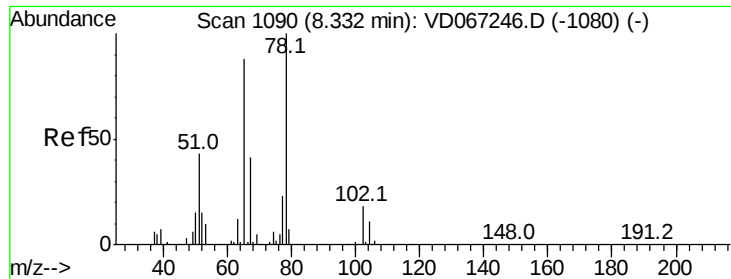
72 0.0 23.7 35.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 78.315 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067421.D

Acq: 27 Oct 2020 19:37

Instrument :

MSVOA_D

ClientSampleId :

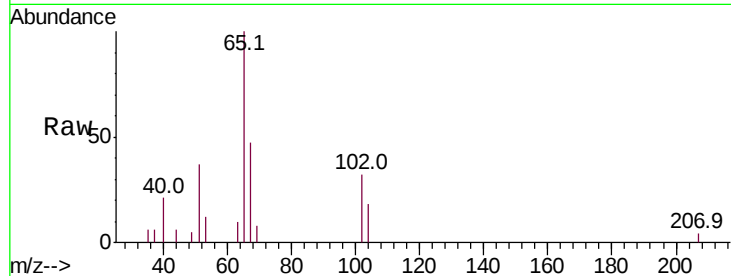
VOC-5

Tot Ion: 65 Resp: 11907

Ion Ratio Lower Upper

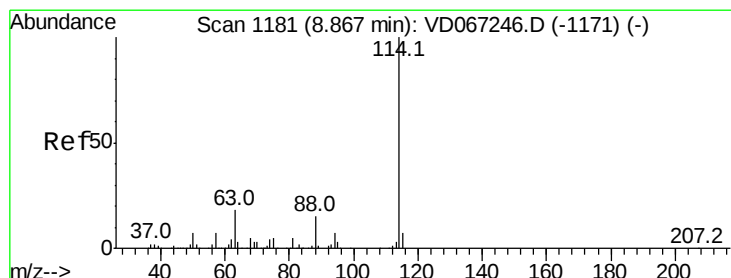
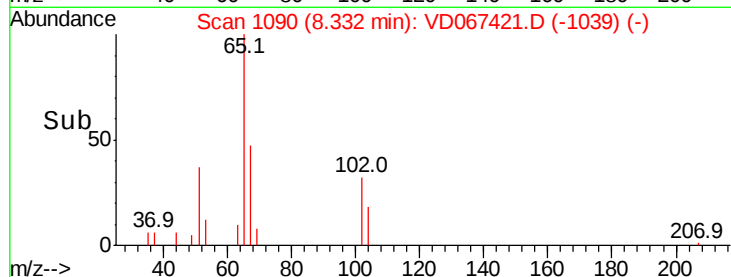
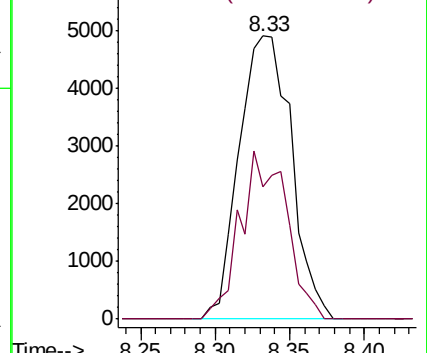
65 100

67 52.2 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# 1182

Delta R.T. 0.01 min

Lab File: VD067421.D

Acq: 27 Oct 2020 19:37

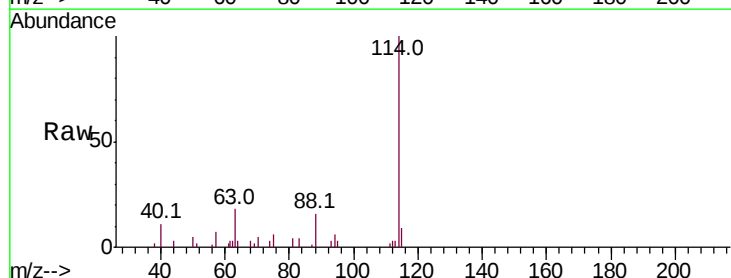
Tgt Ion: 114 Resp: 24851

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.0

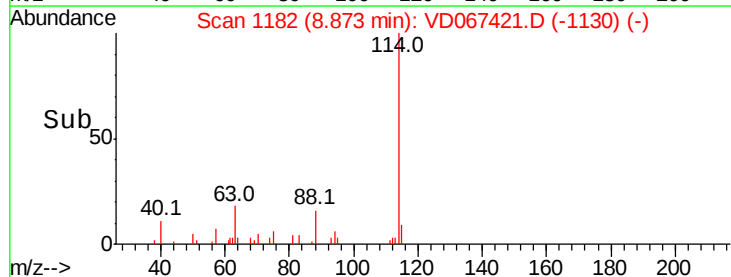
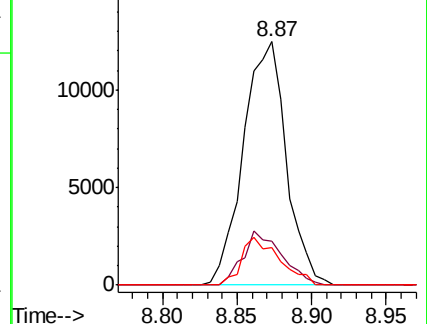
88 15.6 0.0 30.6

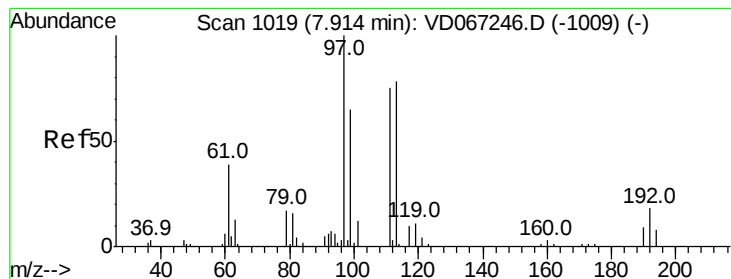


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 49.890 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067421.D

Acq: 27 Oct 2020 19:37

Instrument :

MSVOA_D

ClientSampleId :

VOC-5

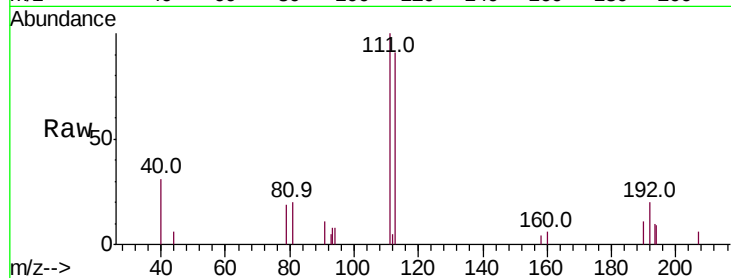
Tot Ion:113 Resp: 8251

Ion Ratio Lower Upper

113 100

111 97.0 81.6 122.4

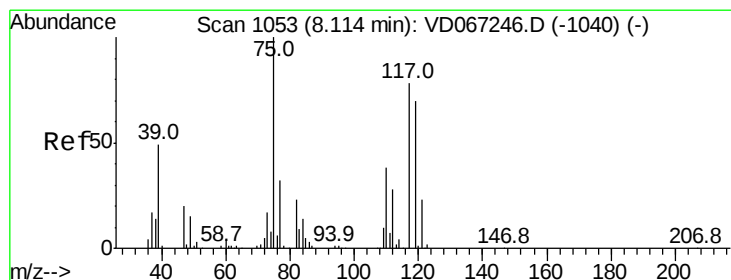
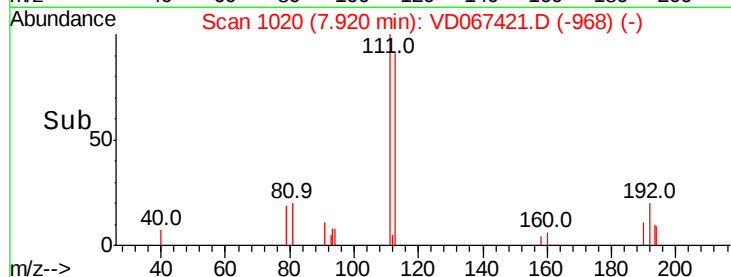
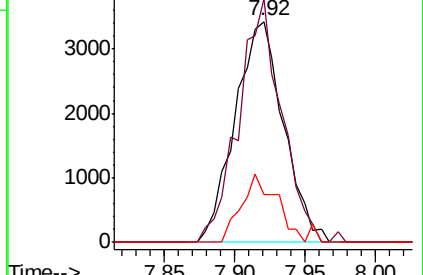
192 22.4 17.0 25.4



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: 6.860 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD067421.D

Acq: 27 Oct 2020 19:37

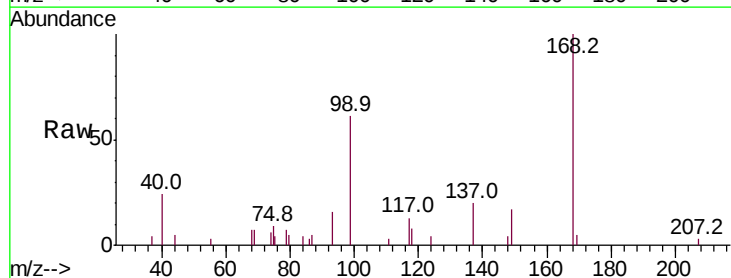
Tgt Ion: 75 Resp: 1445

Ion Ratio Lower Upper

75 100

110 5.5 19.6 58.7#

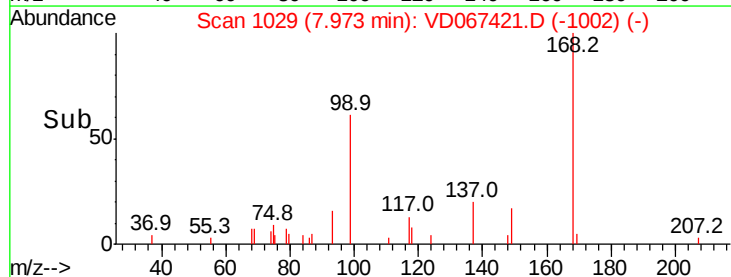
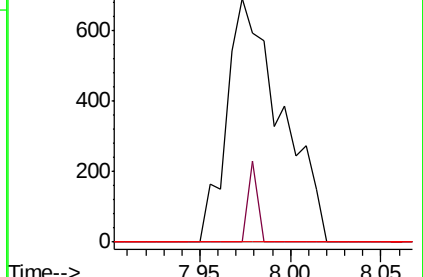
77 0.0 24.6 37.0#

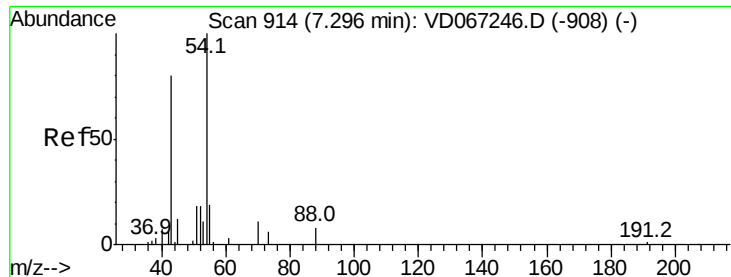


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

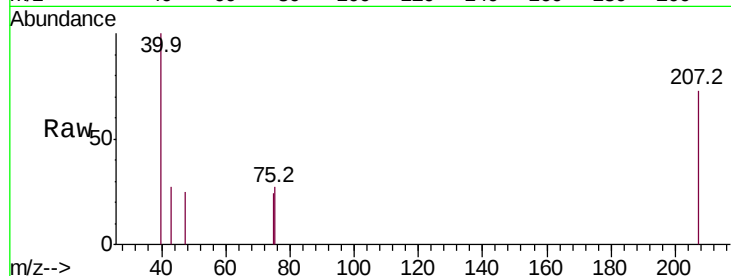




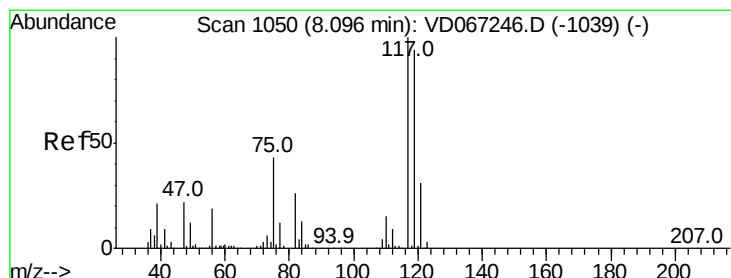
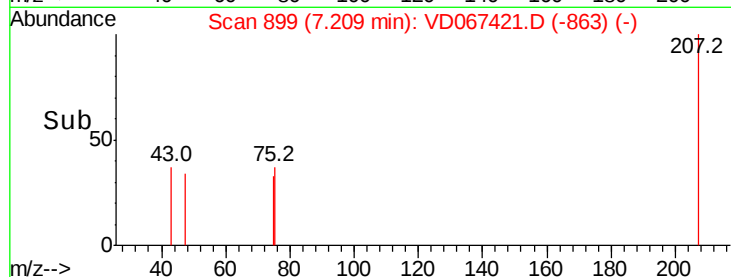
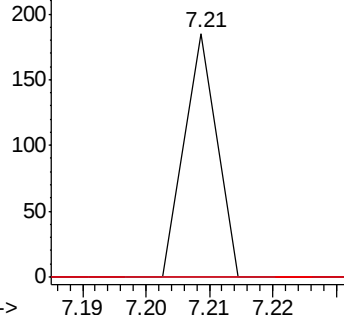
#37
Ethyl Acetate
Concen: 1.049 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.09 min
Lab File: VD067421.D
Acq: 27 Oct 2020 19:37

Instrument :
MSVOA_D
ClientSampleId :
VOC-5

Tot Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
61 0.0 15.6 23.4#
70 0.0 10.4 15.6#

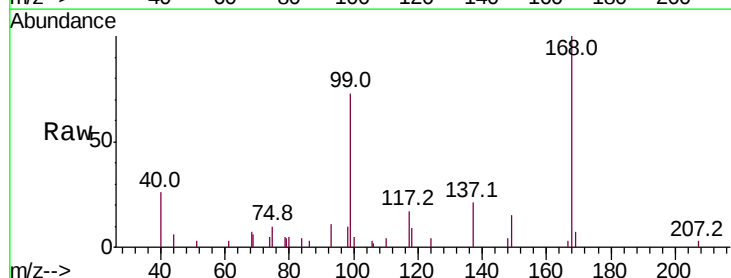


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

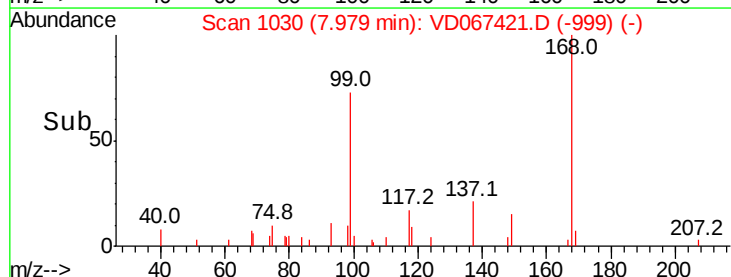
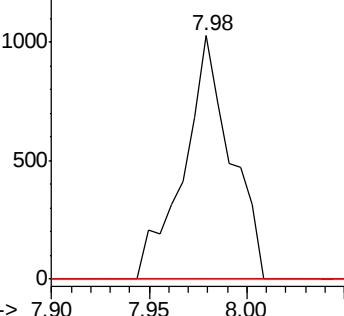


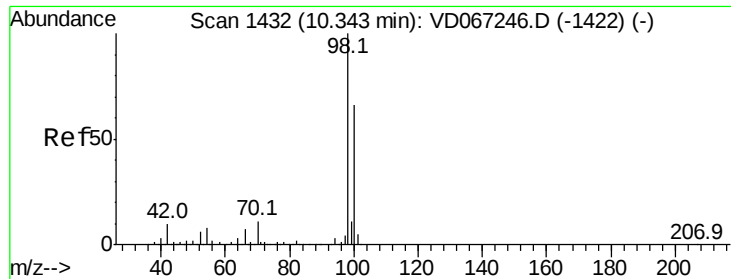
#38
Carbon Tetrachloride
Concen: 6.363 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD067421.D
Acq: 27 Oct 2020 19:37

Tgt Ion: 117 Resp: 1713
Ion Ratio Lower Upper
117 100
119 0.0 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: 51.147 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067421.D

Acq: 27 Oct 2020 19:37

Instrument :

MSVOA_D

ClientSampleId :

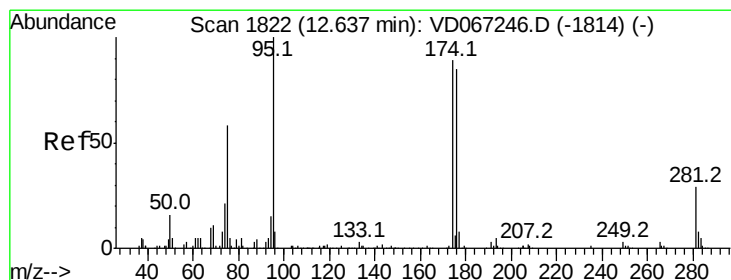
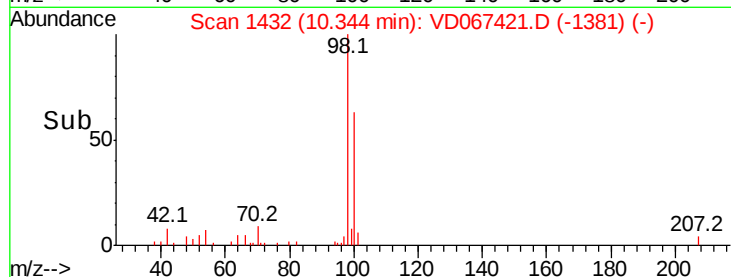
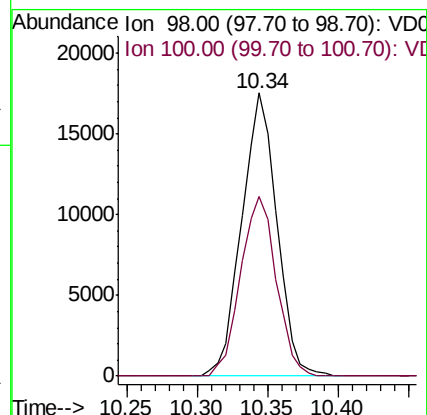
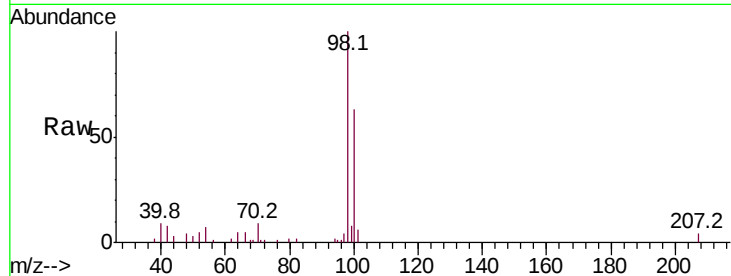
VOC-5

Tot Ion: 98 Resp: 30612

Ion Ratio Lower Upper

98 100

100 64.3 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 53.980 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD067421.D

Acq: 27 Oct 2020 19:37

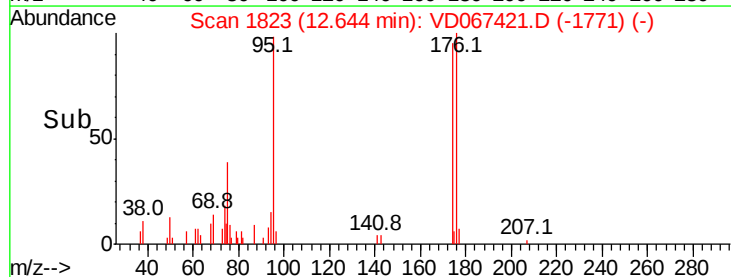
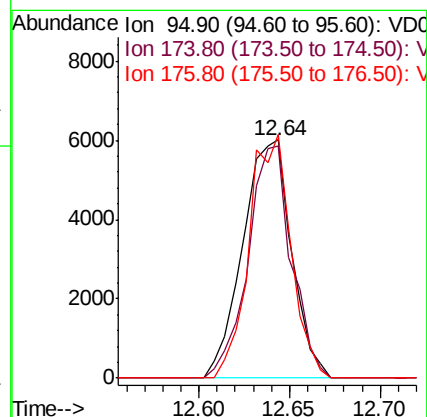
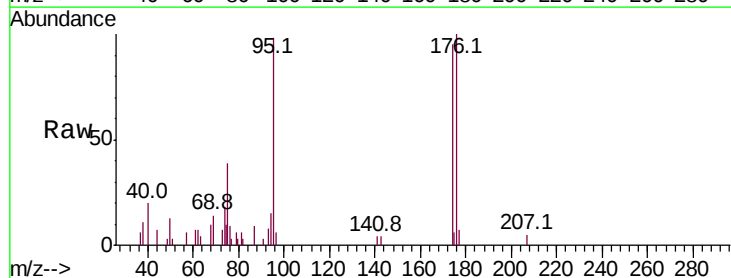
Tgt Ion: 95 Resp: 11234

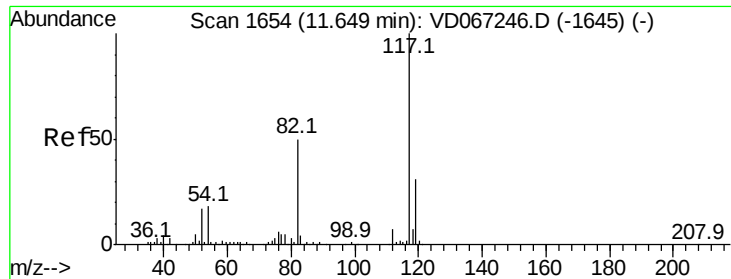
Ion Ratio Lower Upper

95 100

174 87.0 0.0 175.2

176 87.3 0.0 168.6

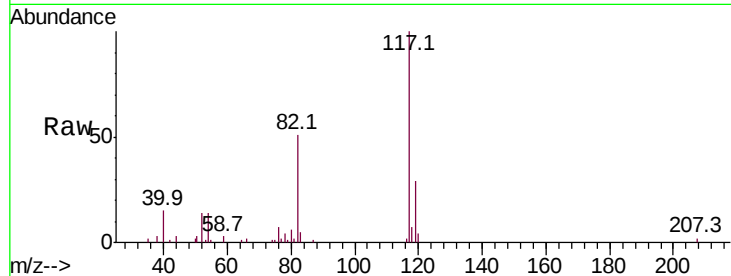




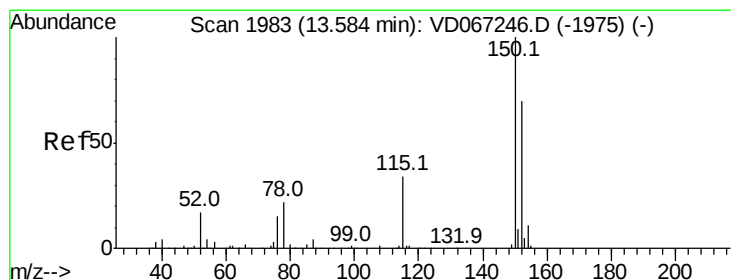
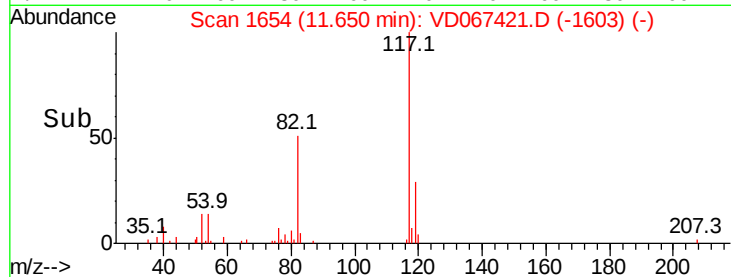
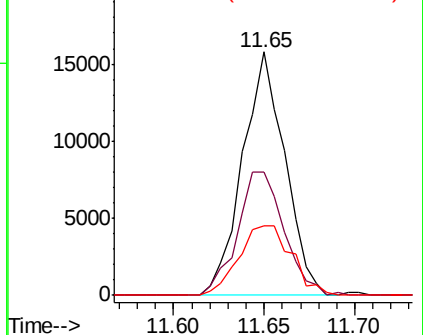
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067421.D
Acq: 27 Oct 2020 19:37

Instrument :
MSVOA_D
ClientSampleId :
VOC-5

Tot Ion:117 Resp: 25689
Ion Ratio Lower Upper
117 100
82 50.7 39.9 59.9
119 28.8 24.9 37.3

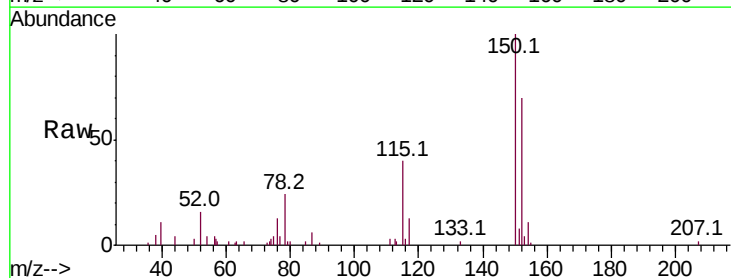


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

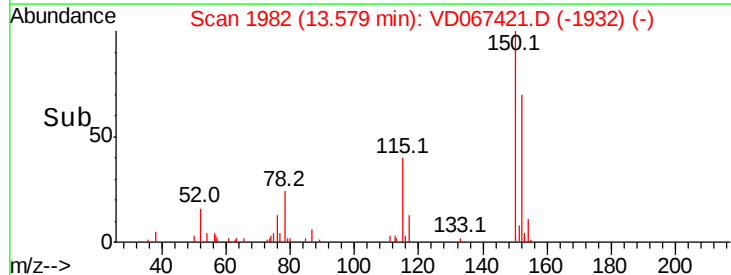
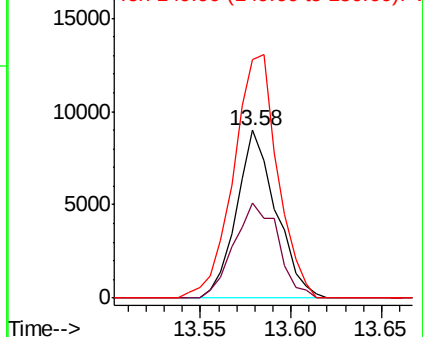


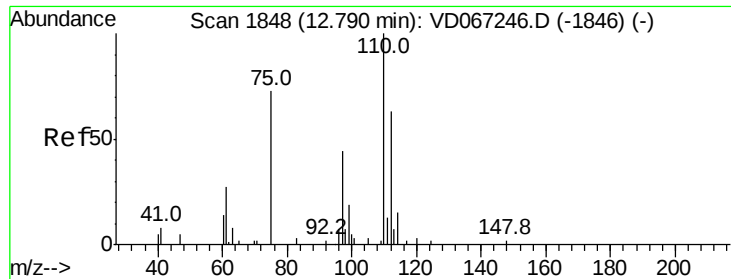
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067421.D
Acq: 27 Oct 2020 19:37

Tgt Ion:152 Resp: 13647
Ion Ratio Lower Upper
152 100
115 63.1 29.3 87.9
150 161.6 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: 57.661 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

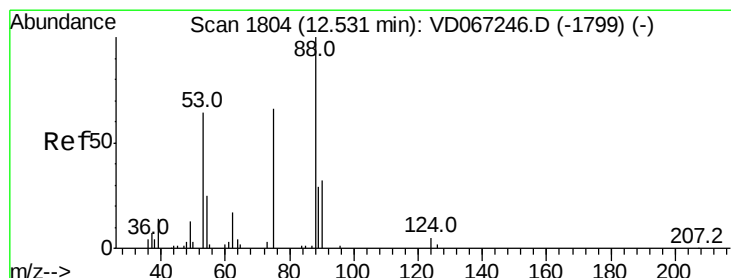
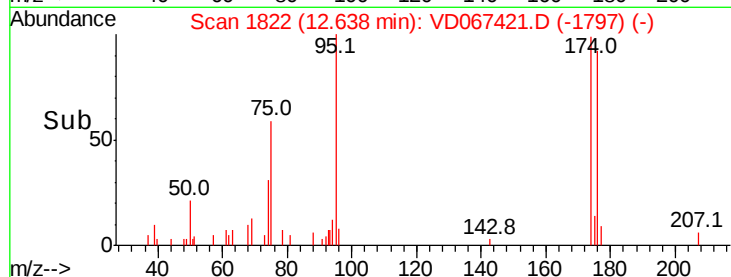
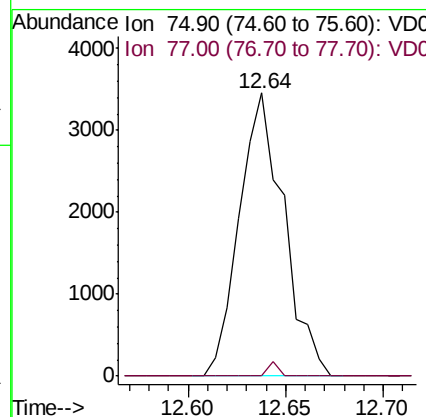
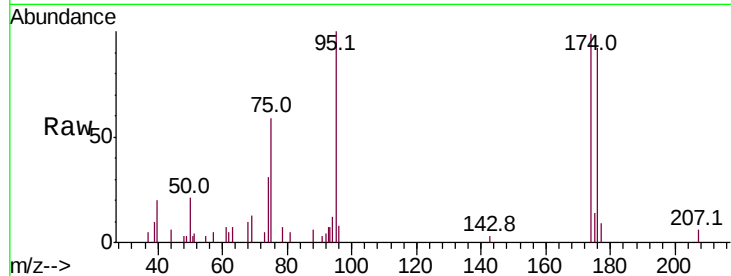
Lab File: VD067421.D

Acq: 27 Oct 2020 19:37

Instrument :
MSVOA_D
ClientSampleId :
VOC-5

Tot Ion: 75 Resp: 5454

Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 130.759 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067421.D

Acq: 27 Oct 2020 19:37

Tgt Ion: 75 Resp: 5454

Ion	Ratio	Lower	Upper
75	100		
53	0.0	78.5	117.7#
89	0.0	39.9	59.9#

