

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102620\
 Data File : VD067391.D
 Acq On : 26 Oct 2020 14:40
 Operator : VA/SY
 Sample : L4510-01
 Misc : 5.75G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-1

Quant Time: Oct 27 00:52:19 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	272342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	437549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	438378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	222651	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	151340	55.47	ug/l	0.00
Spiked Amount			Recovery	=	110.94%	
35) Dibromofluoromethane	7.92	113	148518	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
50) Toluene-d8	10.34	98	511515	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.64	95	188605	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	

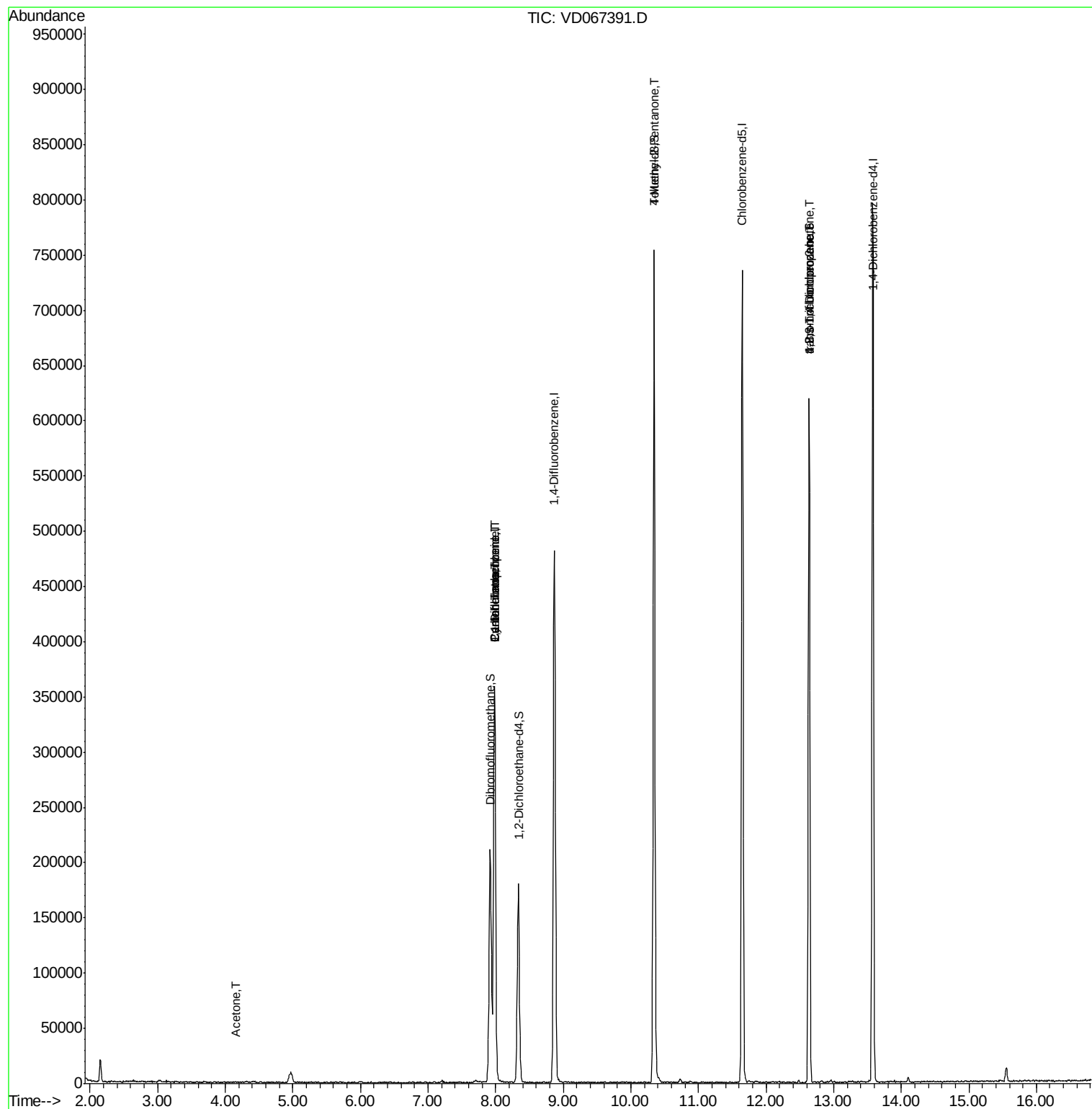
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	248	Below Cal	#	44
5) Bromomethane	2.77	94	238	Below Cal	#	3
16) Acetone	4.16	43	858	2.245	ug/l #	42
20) Methylene Chloride	4.97	84	8823	Below Cal	#	89
31) Cyclohexane	7.98	56	4971	1.582	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	18165	4.898	ug/l #	49
38) Carbon Tetrachloride	7.98	117	28528	6.019	ug/l #	18
51) 4-Methyl-2-Pentanone	10.35	43	2322	2.150	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	97093	62.917	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	97093	142.678	ug/l #	10

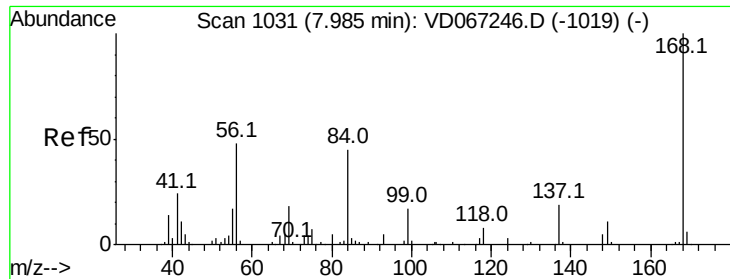
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.75G/5.00ml/MSVOA D/SOIL
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Quant Time: Oct 27 00:52:19 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
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: VD067391.D

Acq: 26 Oct 2020 14:40

Instrument :

MSVOA_D

ClientSampleId :

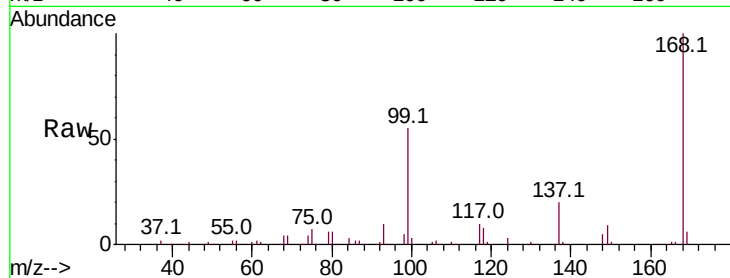
VOC-1

Tot Ion:168 Resp: 272342

Ion Ratio Lower Upper

168 100

99 54.9 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

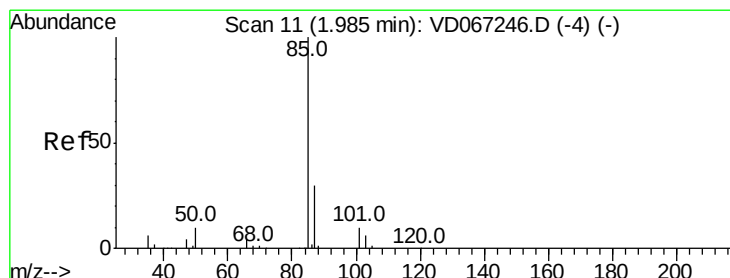
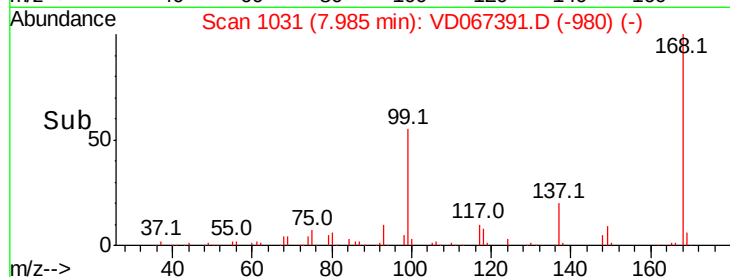
7.98

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067391.D

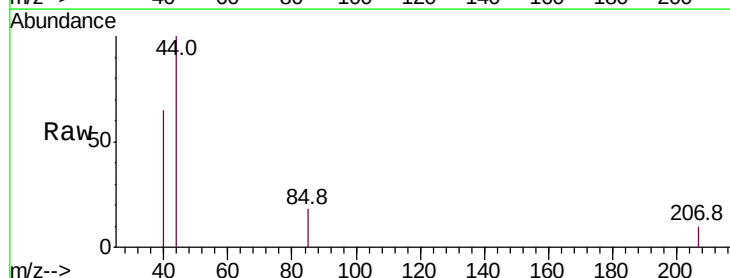
Acq: 26 Oct 2020 14:40

Tgt Ion: 85 Resp: 248

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

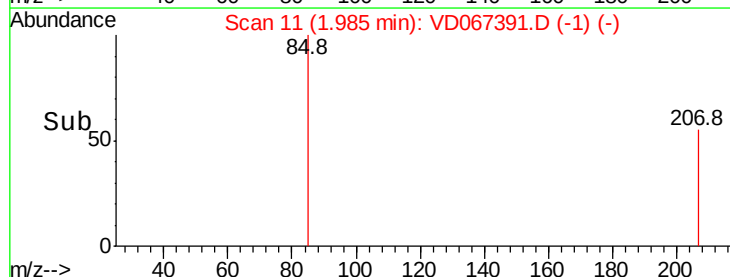
300

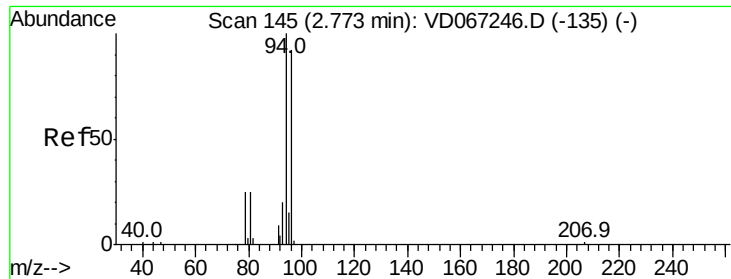
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067391.D

Acq: 26 Oct 2020 14:40

Instrument :

MSVOA_D

ClientSampleId :

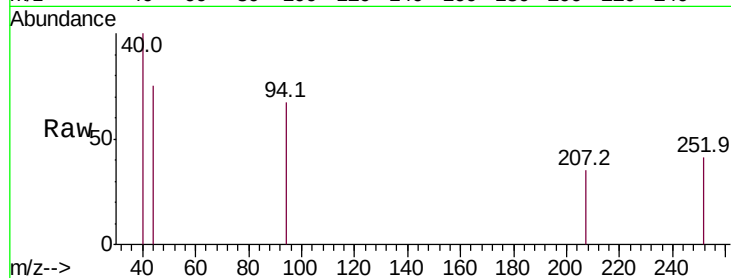
VOC-1

Tot Ion: 94 Resp: 238

Ion Ratio Lower Upper

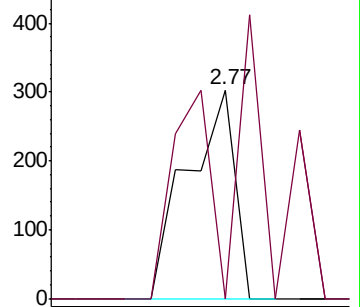
94 100

96 0.0 73.8 110.6#

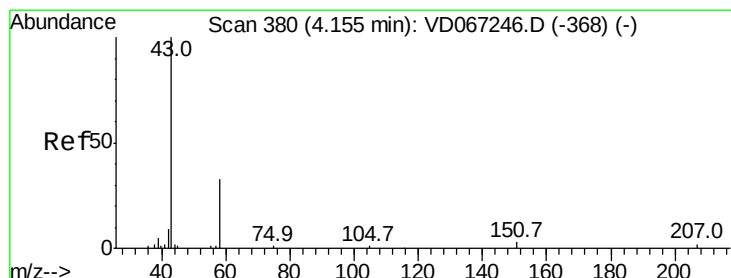
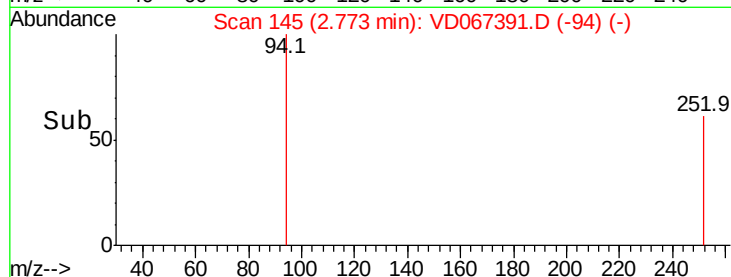


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#16

Acetone

Concen: 2.245 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067391.D

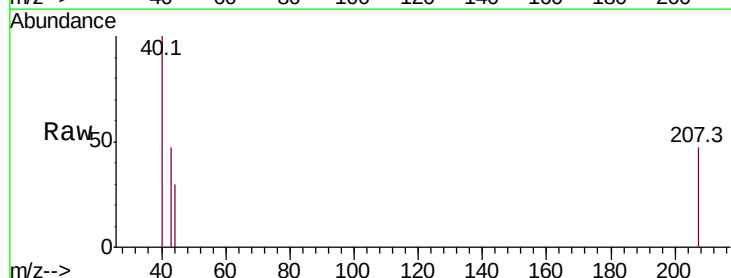
Acq: 26 Oct 2020 14:40

Tgt Ion: 43 Resp: 858

Ion Ratio Lower Upper

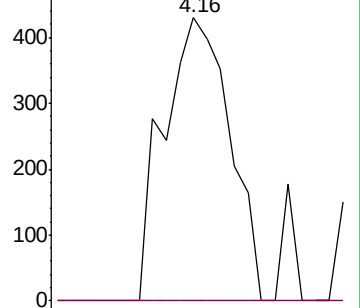
43 100

58 0.0 26.1 39.1#

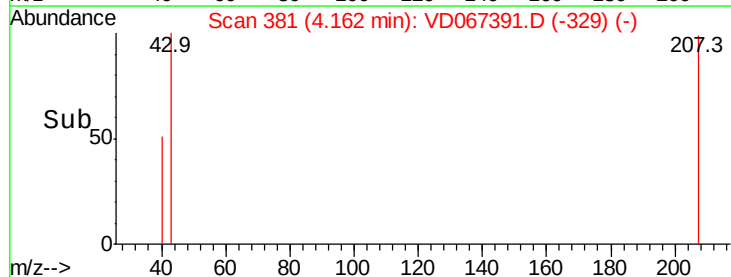


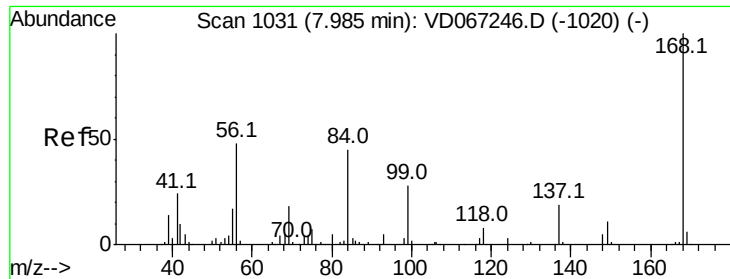
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->

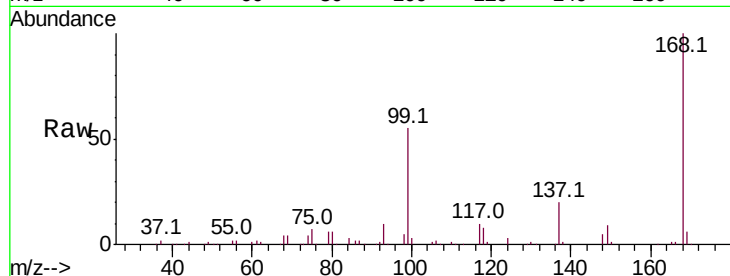




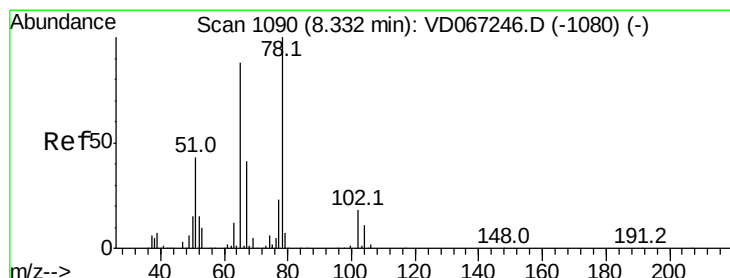
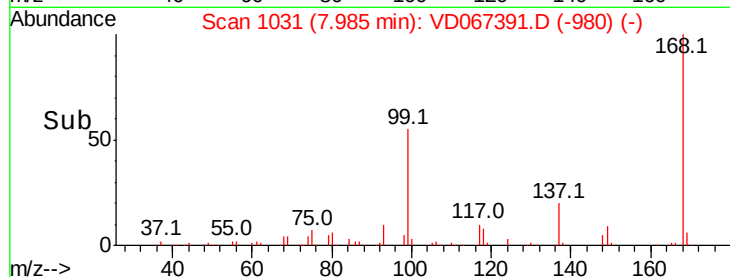
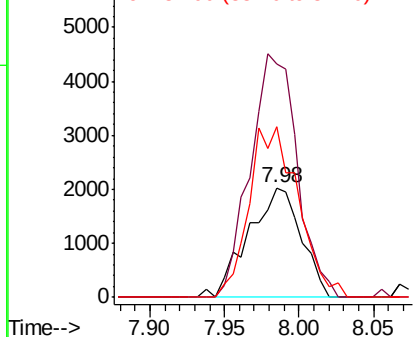
#31
Cyclohexane
Concen: 1.582 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067391.D
Acq: 26 Oct 2020 14:40

Instrument :
MSVOA_D
ClientSampled :
VOC-1

Tot Ion: 56 Resp: 4971
Ion Ratio Lower Upper
56 100
69 212.9 29.8 44.6#
84 156.3 76.6 114.8#

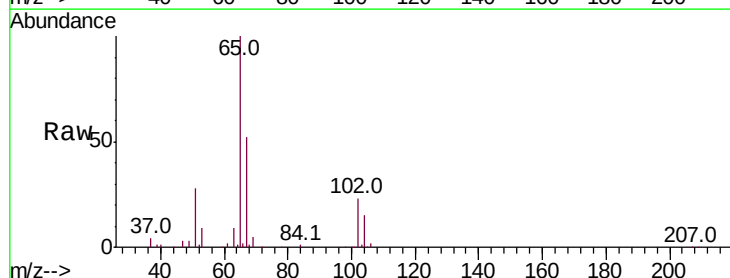


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

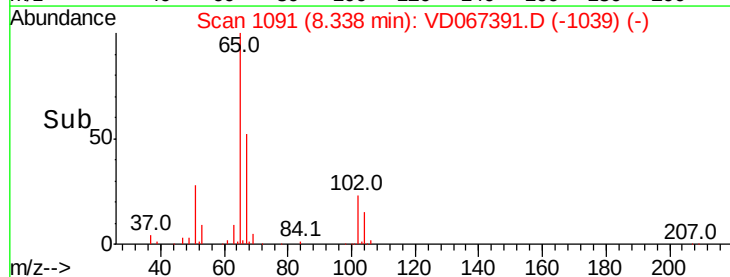
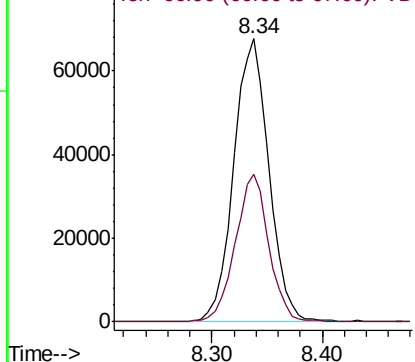


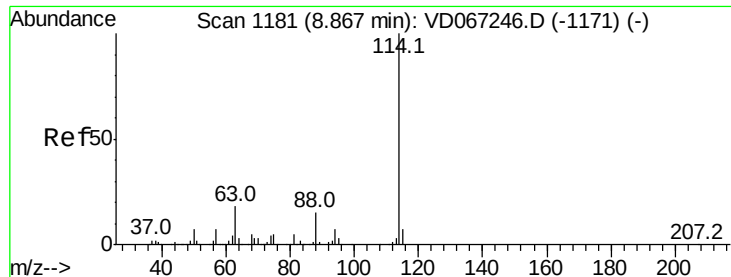
#33
1,2-Dichloroethane-d4
Concen: 55.467 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD067391.D
Acq: 26 Oct 2020 14:40

Tgt Ion: 65 Resp: 151340
Ion Ratio Lower Upper
65 100
67 49.7 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

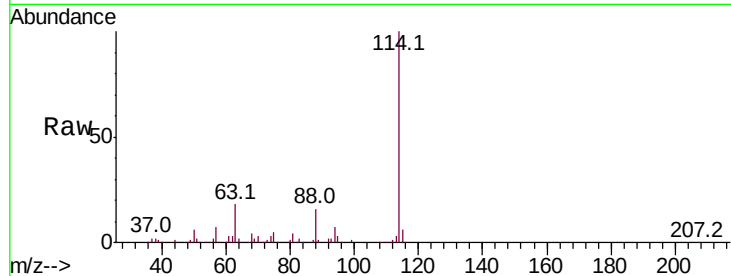




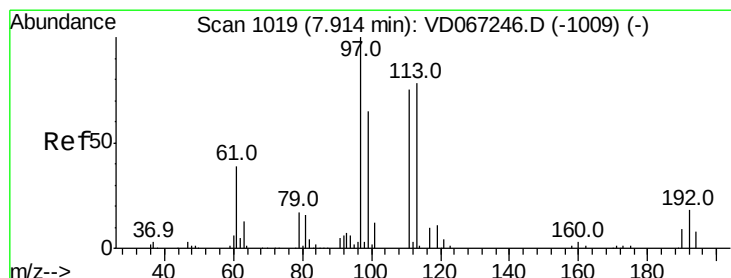
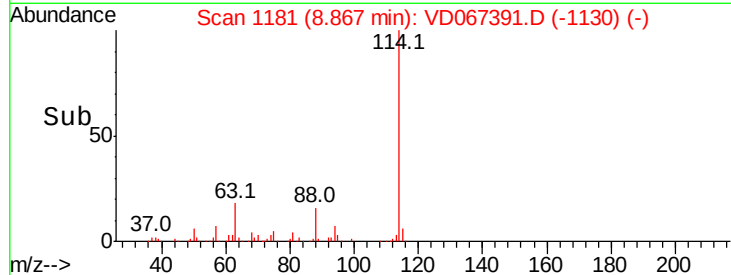
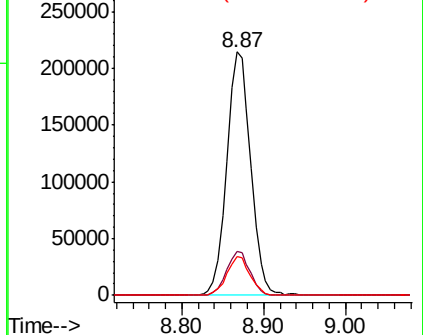
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067391.D
 Acq: 26 Oct 2020 14:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-1

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	35.0
88	15.8	0.0	30.6

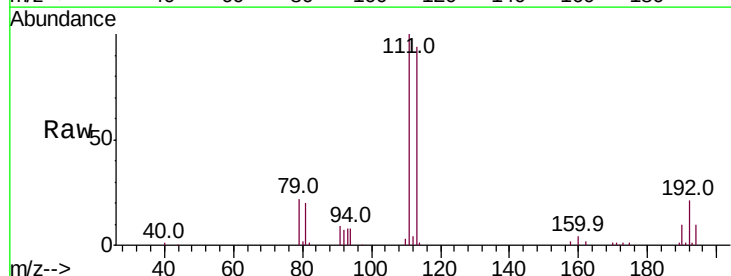


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

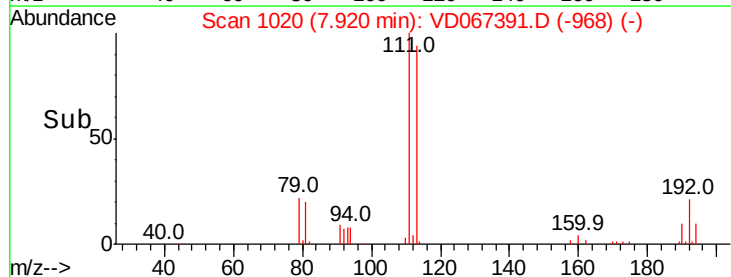
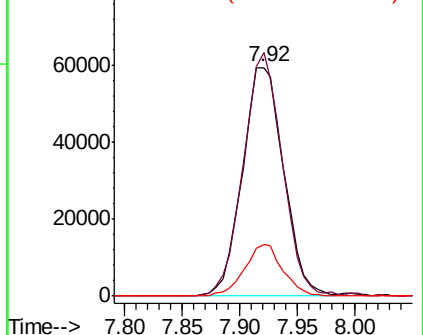


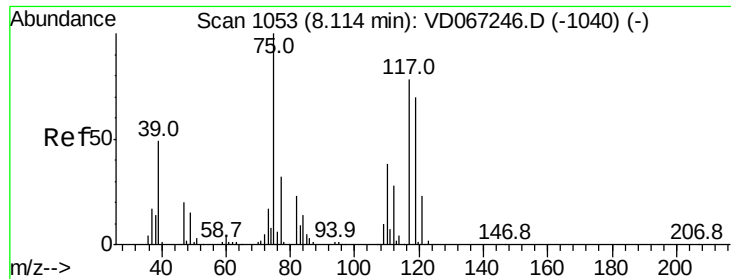
#35
 Dibromofluoromethane
 Concen: 51.004 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067391.D
 Acq: 26 Oct 2020 14:40

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.6	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: 4.898 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067391.D

Acq: 26 Oct 2020 14:40

Instrument :

MSVOA_D

ClientSampleId :

VOC-1

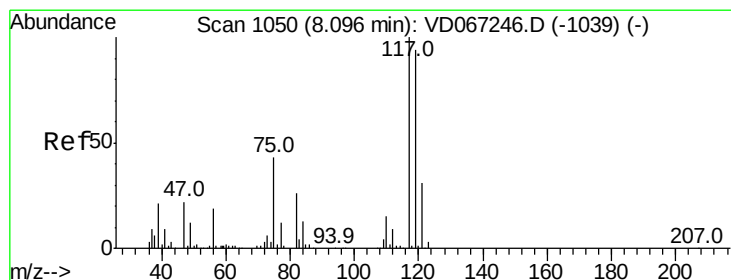
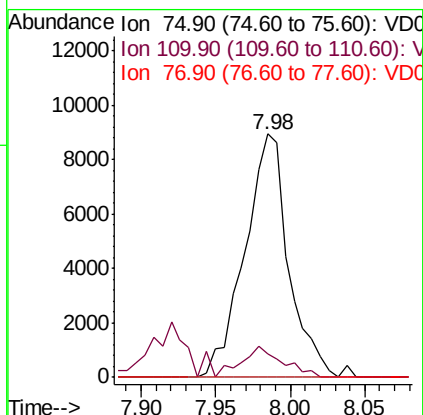
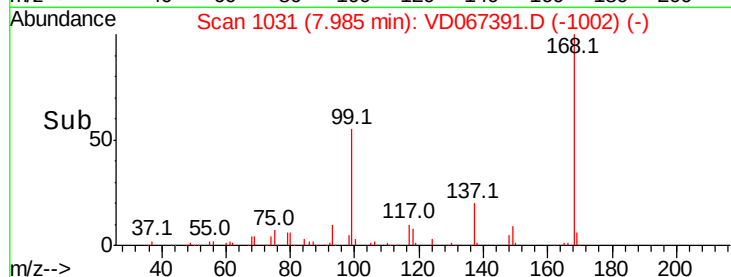
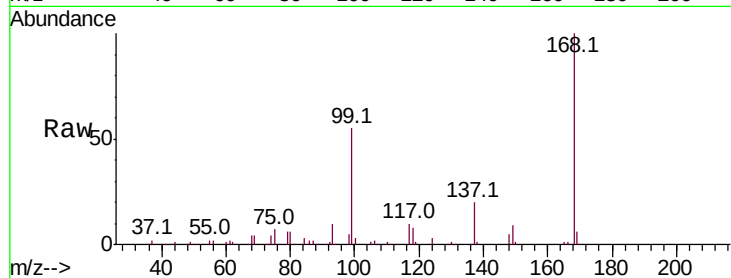
Tot Ion: 75 Resp: 18165

Ion Ratio Lower Upper

75 100

110 10.5 19.6 58.7#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 6.019 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067391.D

Acq: 26 Oct 2020 14:40

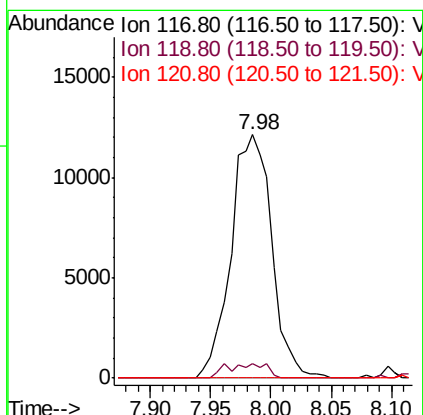
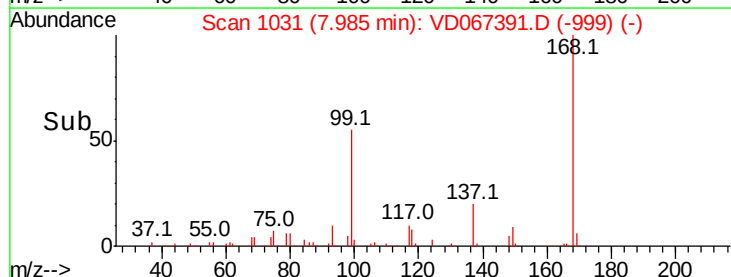
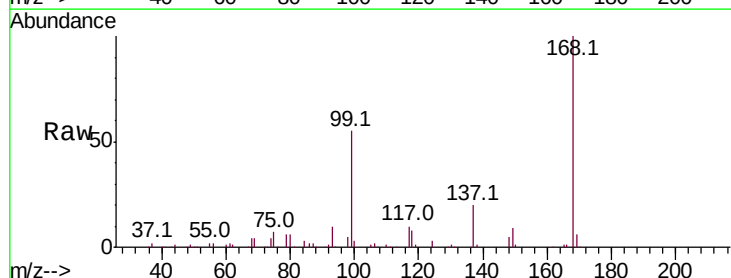
Tgt Ion: 117 Resp: 28528

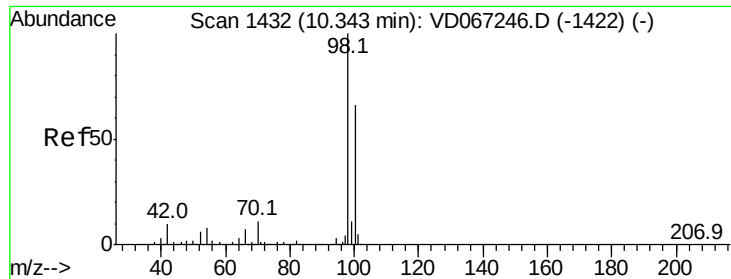
Ion Ratio Lower Upper

117 100

119 5.9 75.0 112.4#

121 0.0 24.9 37.3#





#50

Toluene-d8

Concen: 48.541 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067391.D

Acq: 26 Oct 2020 14:40

Instrument :

MSVOA_D

ClientSampleId :

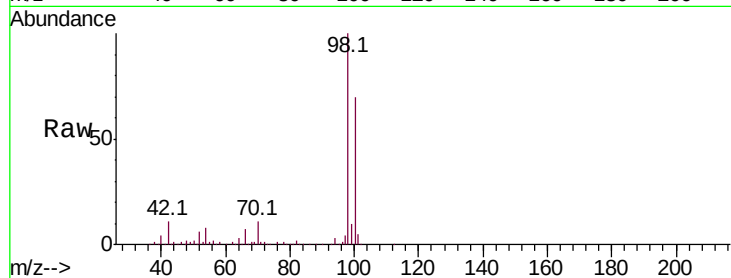
VOC-1

Tot Ion: 98 Resp: 511515

Ion Ratio Lower Upper

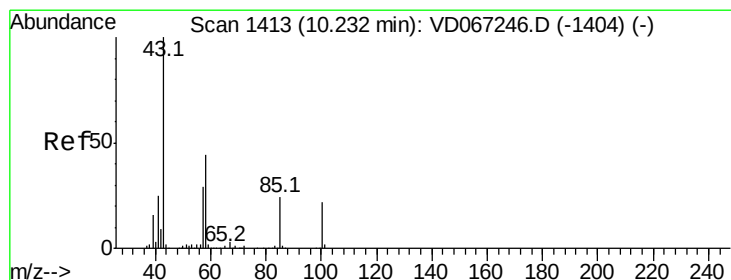
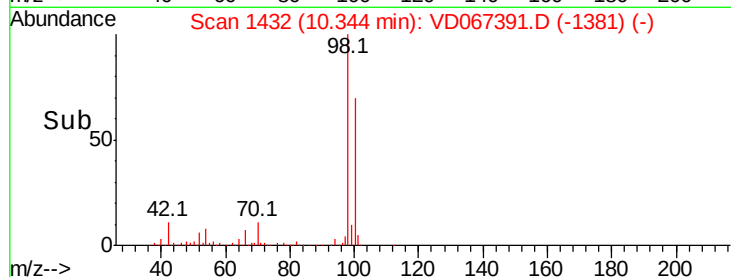
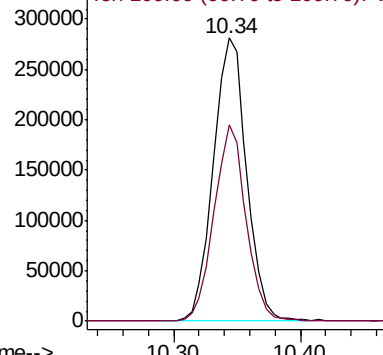
98 100

100 66.9 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 2.150 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.12 min

Lab File: VD067391.D

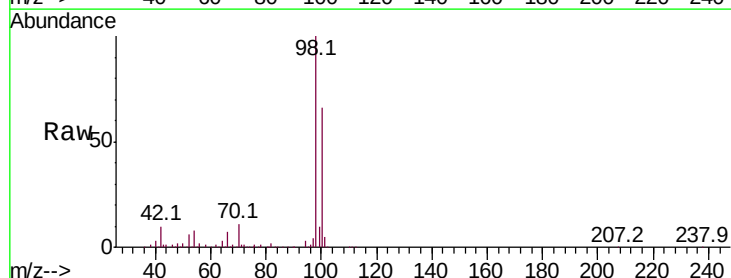
Acq: 26 Oct 2020 14:40

Tgt Ion: 43 Resp: 2322

Ion Ratio Lower Upper

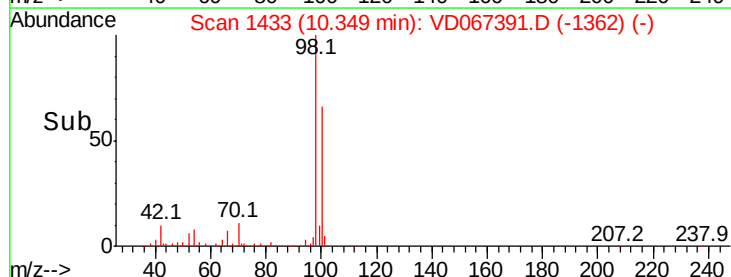
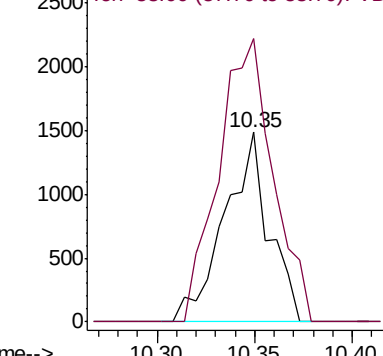
43 100

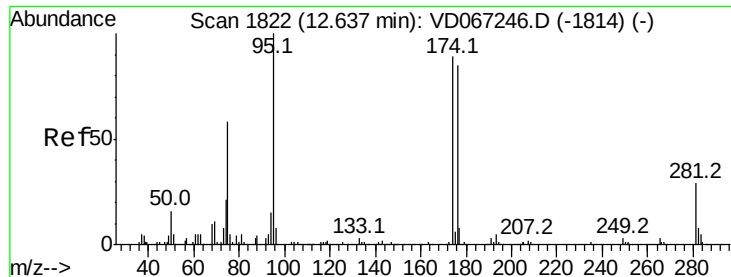
58 184.7 35.7 53.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

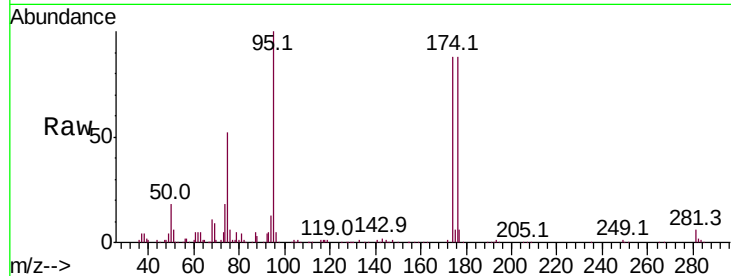




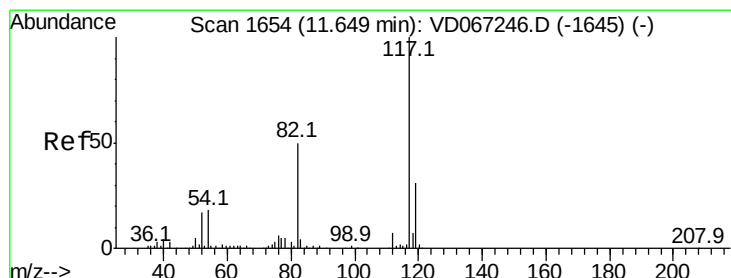
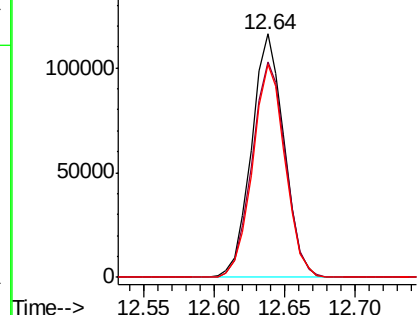
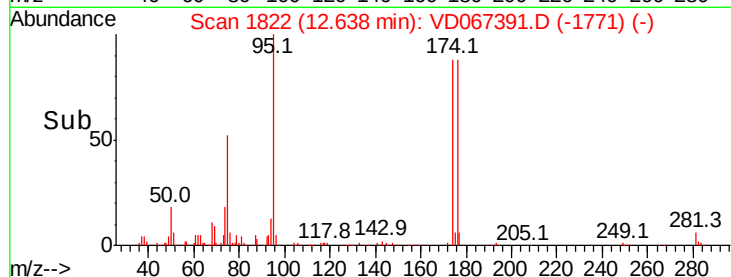
#62
4-Bromofluorobenzene
Concen: 51.472 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067391.D
Acq: 26 Oct 2020 14:40

Instrument :
MSVOA_D
ClientSampleId :
VOC-1

Tot Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	175.2
176	86.8	0.0	168.6

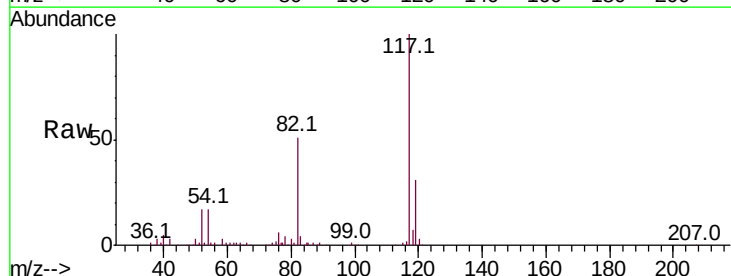


Abundance Ion 94.90 (94.60 to 95.60): VD067391.D (-1771) (-)
Ion 173.80 (173.50 to 174.50): VD067391.D (-1771) (-)
Ion 175.80 (175.50 to 176.50): VD067391.D (-1771) (-)

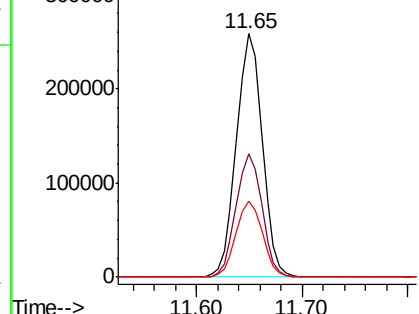
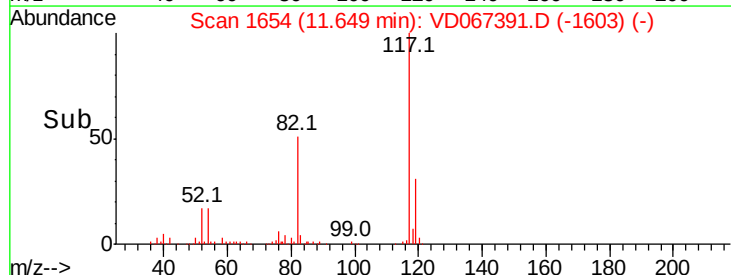


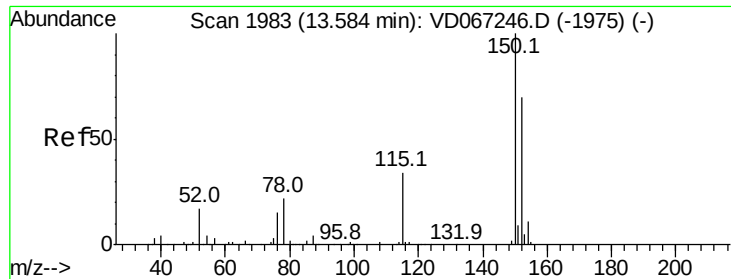
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067391.D
Acq: 26 Oct 2020 14:40

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.8	39.9	59.9
119	31.0	24.9	37.3



Abundance Ion 116.90 (116.60 to 117.60): VD067391.D (-1603) (-)
Ion 82.00 (81.70 to 82.70): VD067391.D (-1603) (-)
Ion 118.90 (118.60 to 119.60): VD067391.D (-1603) (-)



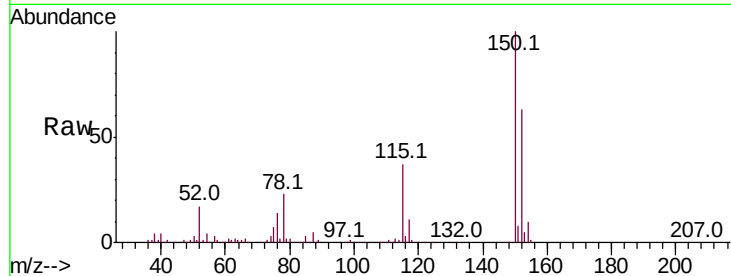


#72

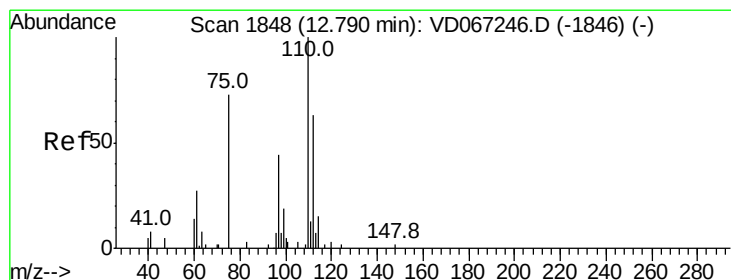
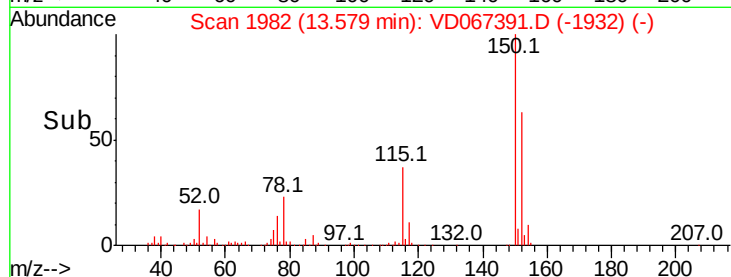
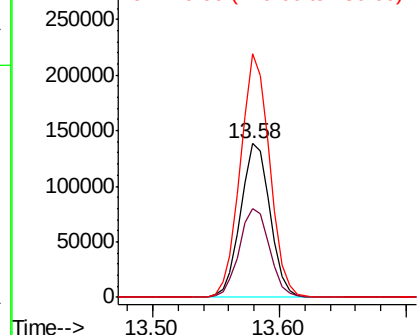
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067391.D
Acq: 26 Oct 2020 14:40

Instrument :
MSVOA_D
ClientSampleId :
VOC-1

Tot Ion:152 Resp: 222651
Ion Ratio Lower Upper
152 100
115 59.2 29.3 87.9
150 156.8 0.0 339.0



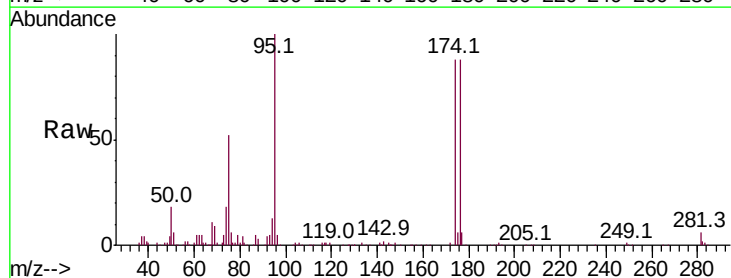
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



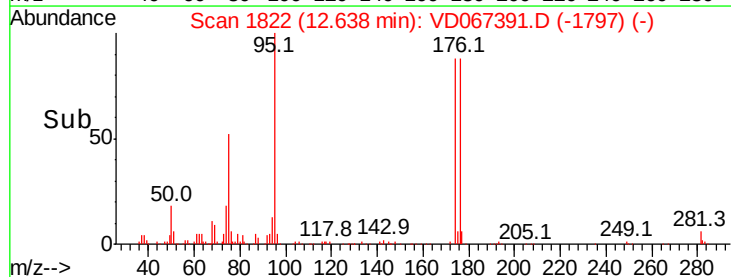
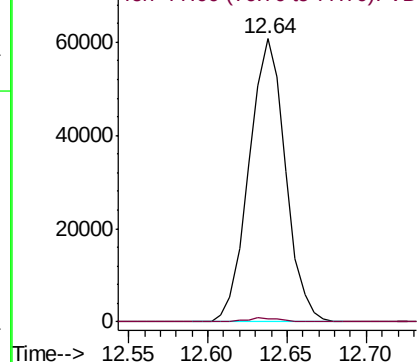
#76

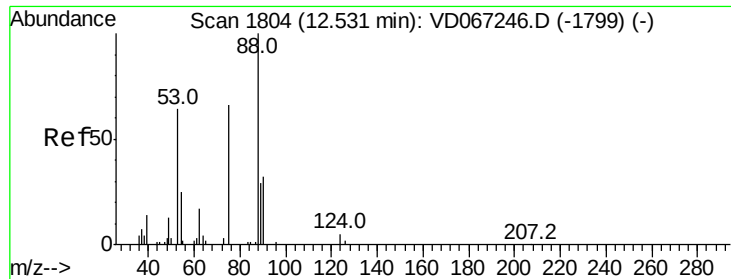
1,2,3-Trichloropropane
Concen: 62.917 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067391.D
Acq: 26 Oct 2020 14:40

Tgt Ion: 75 Resp: 97093
Ion Ratio Lower Upper
75 100
77 1.2 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: 142.678 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067391.D

Acq: 26 Oct 2020 14:40

Instrument :

MSVOA_D

ClientSampleId :

VOC-1

Tot Ion: 75 Resp: 97093

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 39.9 59.9#

