

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102620\
 Data File : VD067392.D
 Acq On : 26 Oct 2020 15:07
 Operator : VA/SY
 Sample : L4510-02
 Misc : 6.12G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-2

Quant Time: Oct 27 00:52:28 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	308011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	500420	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	492167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	241752	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	167489	54.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.56%	
35) Dibromofluoromethane	7.92	113	162191	48.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.40%	
50) Toluene-d8	10.34	98	595071	49.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	12.64	95	207997	49.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.26%	

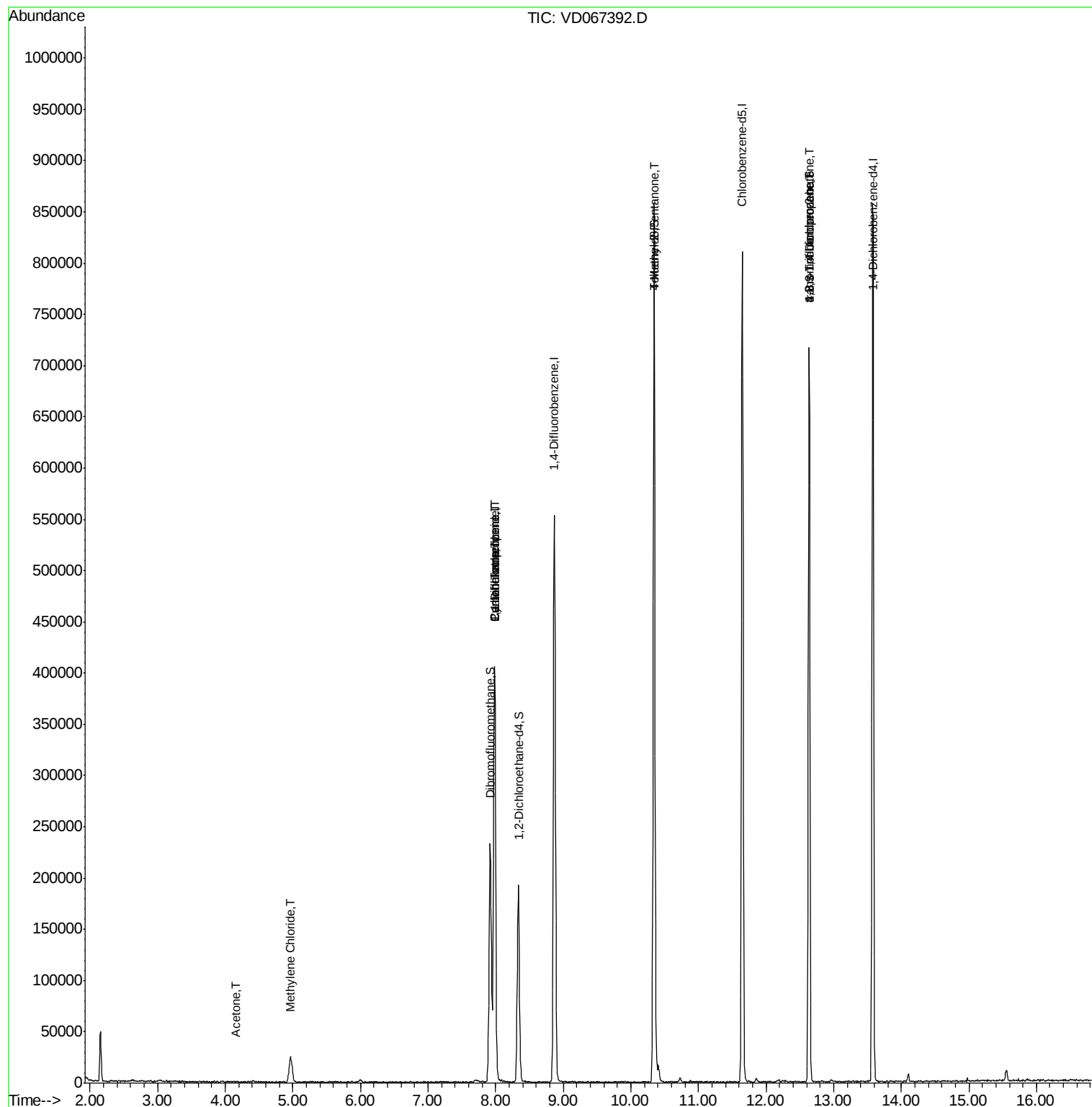
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	281	Below Cal	#	44
5) Bromomethane	2.78	94	269	Below Cal	#	3
16) Acetone	4.16	43	878	2.032	ug/l	98
20) Methylene Chloride	4.97	84	21494	3.599	ug/l	94
31) Cyclohexane	7.98	56	6007	1.690	ug/l #	41
36) 1,1-Dichloropropene	7.98	75	22476	5.299	ug/l #	49
38) Carbon Tetrachloride	7.98	117	30997	5.718	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	2386	1.932	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	108240	64.599	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	108240	146.491	ug/l #	10

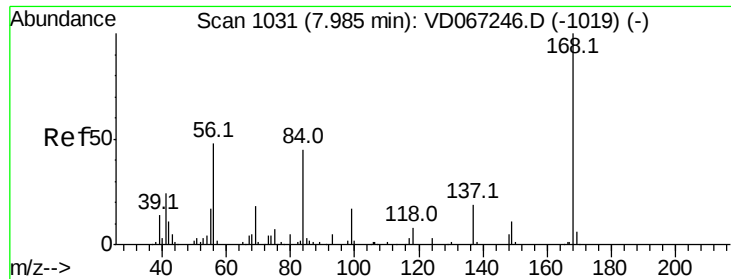
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102620\
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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: VD067392.D

Acq: 26 Oct 2020 15:07

Instrument :

MSVOA_D

ClientSampleId :

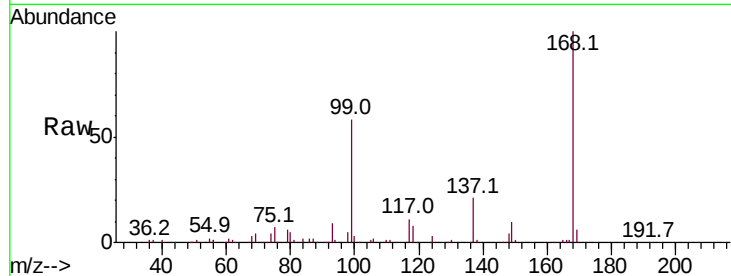
VOC-2

Tot Ion:168 Resp: 308011

Ion Ratio Lower Upper

168 100

99 58.1 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

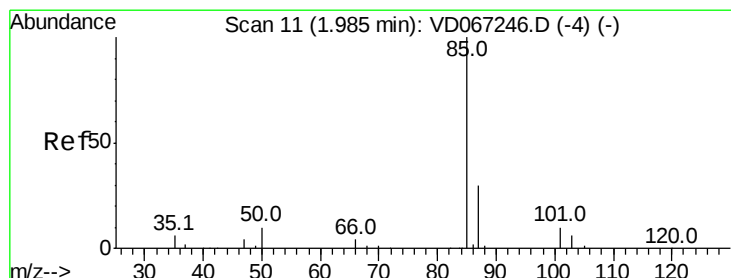
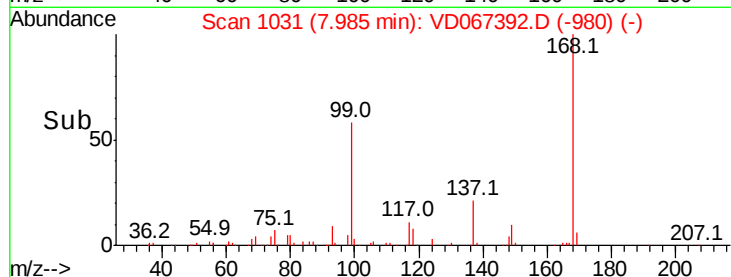
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067392.D

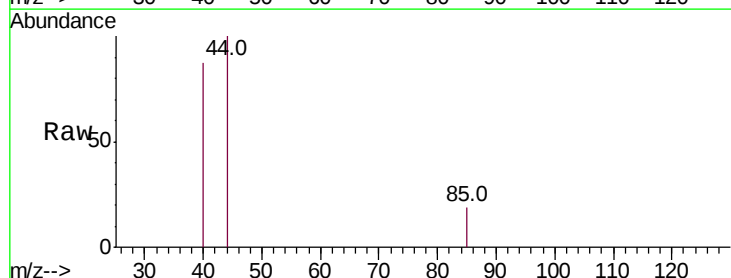
Acq: 26 Oct 2020 15:07

Tgt Ion: 85 Resp: 281

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

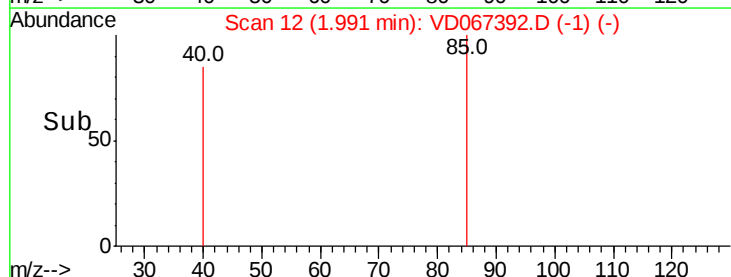
200

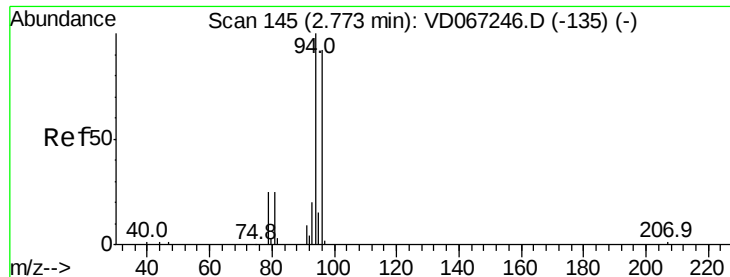
100

0

Time-->

1.96 1.98 2.00 2.02





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067392.D

Acq: 26 Oct 2020 15:07

Instrument :

MSVOA_D

ClientSampleId :

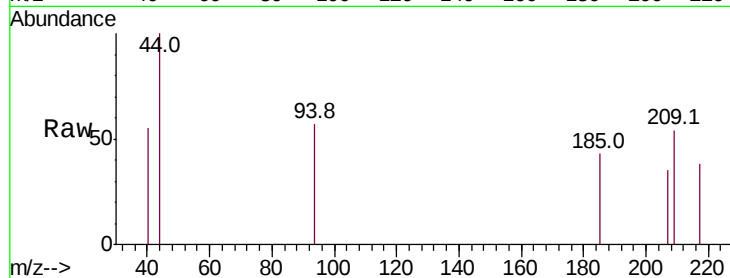
VOC-2

Tot Ion: 94 Resp: 269

Ion Ratio Lower Upper

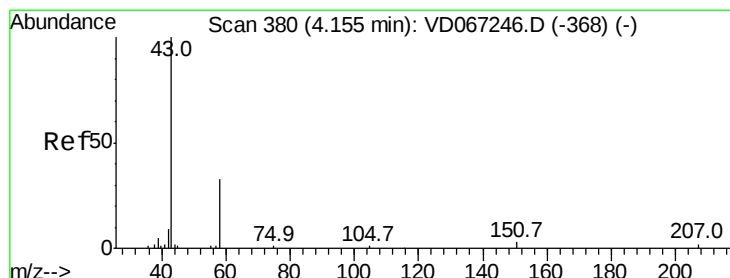
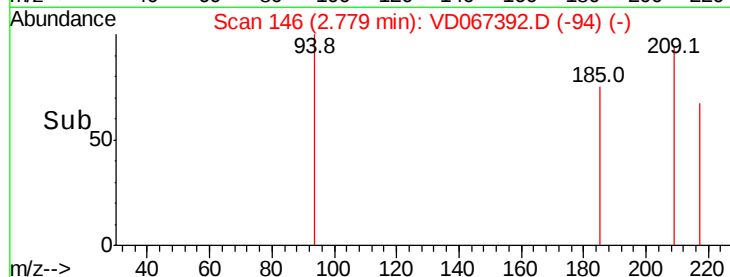
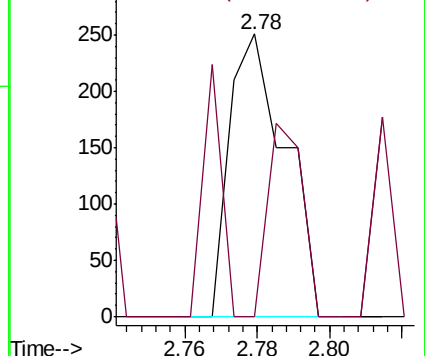
94 100

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: 2.032 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067392.D

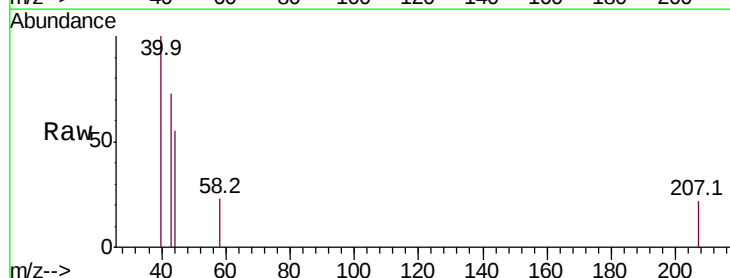
Acq: 26 Oct 2020 15:07

Tgt Ion: 43 Resp: 878

Ion Ratio Lower Upper

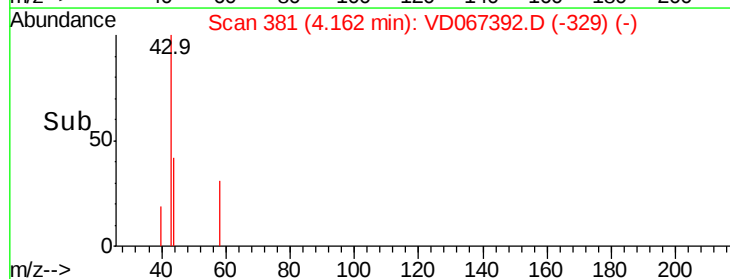
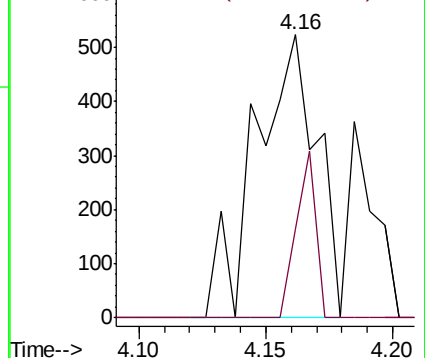
43 100

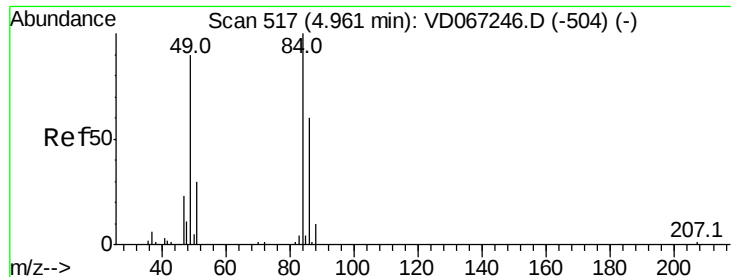
58 31.4 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

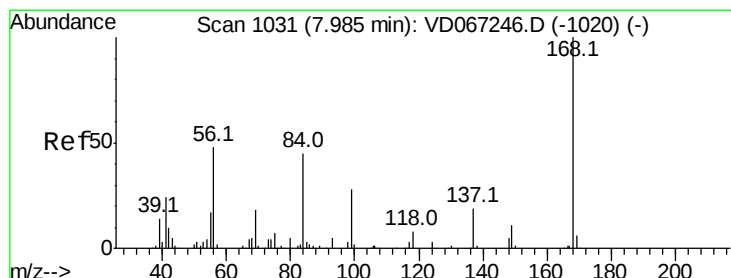
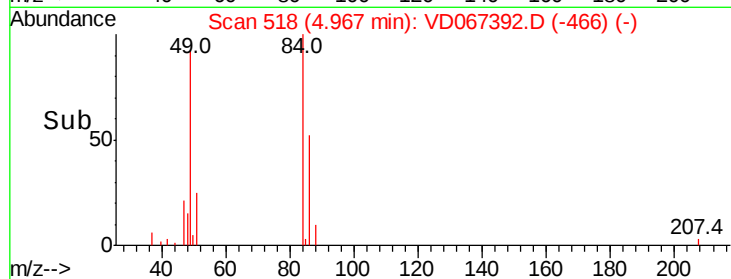
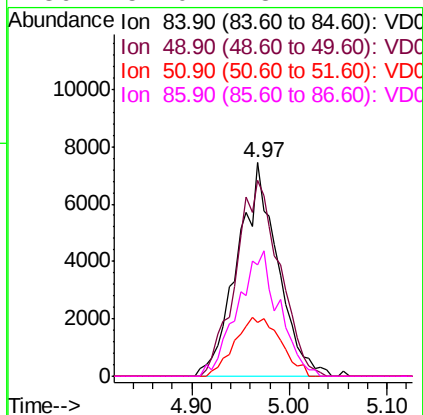
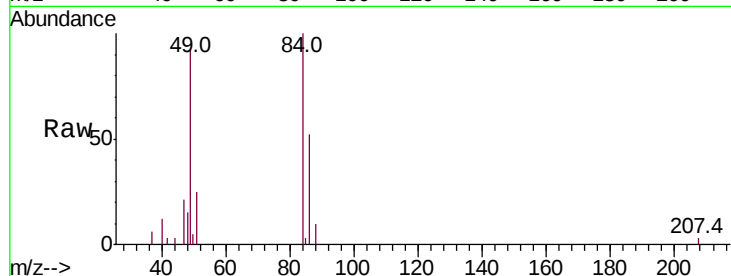




#20
Methvlene Chloride
Concen: 3.599 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067392.D
Acq: 26 Oct 2020 15:07

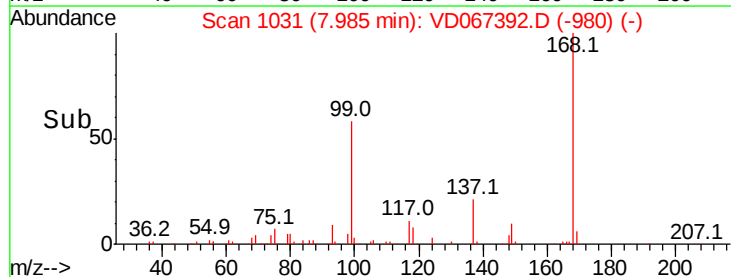
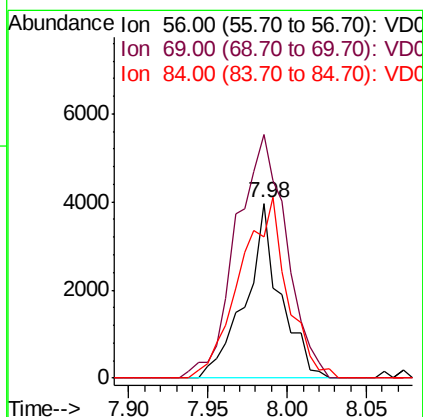
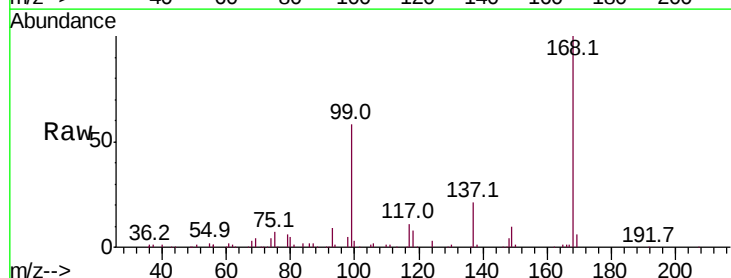
Instrument :
MSVOA_D
ClientSampled :
VOC-2

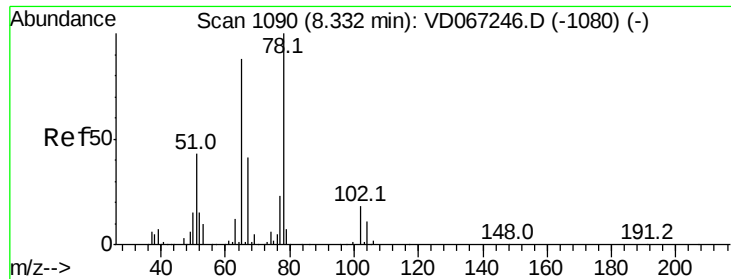
Tot Ion:	84	Resp:	21494
Ion	Ratio	Lower	Upper
84	100		
49	92.0	72.2	108.2
51	25.5	23.8	35.8
86	52.0	48.2	72.4



#31
Cyclohexane
Concen: 1.690 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067392.D
Acq: 26 Oct 2020 15:07

Tgt Ion:	56	Resp:	6007
Ion	Ratio	Lower	Upper
56	100		
69	139.6	29.8	44.6#
84	81.0	76.6	114.8





#33

1,2-Dichloroethane-d4

Concen: 54.277 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067392.D

Acq: 26 Oct 2020 15:07

Instrument :

MSVOA_D

ClientSampleId :

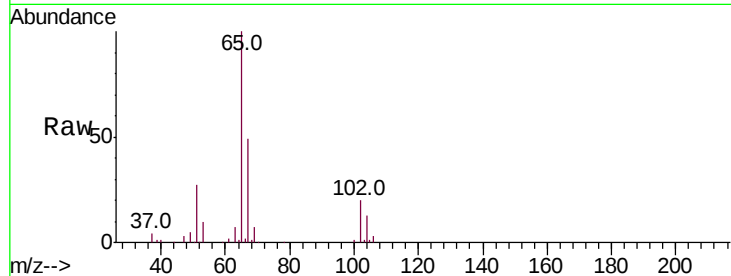
VOC-2

Tot Ion: 65 Resp: 167489

Ion Ratio Lower Upper

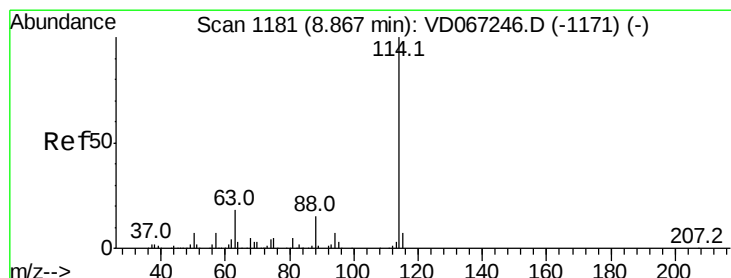
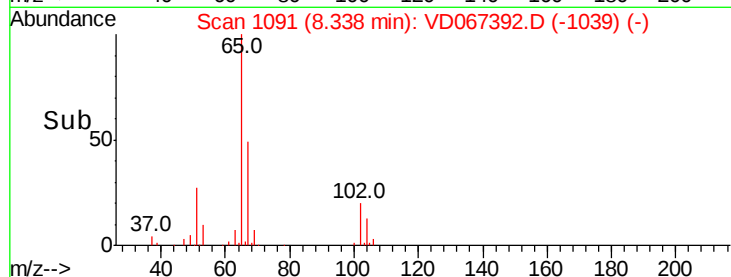
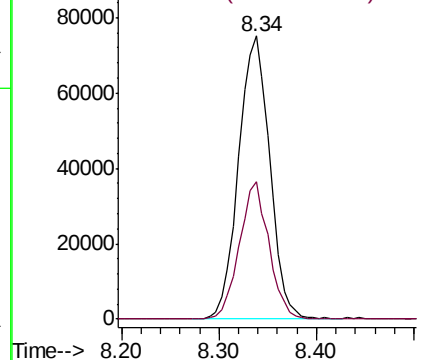
65 100

67 46.0 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: VD067392.D

Acq: 26 Oct 2020 15:07

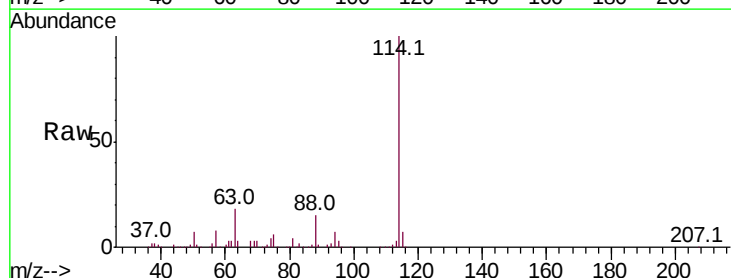
Tgt Ion:114 Resp: 500420

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.0

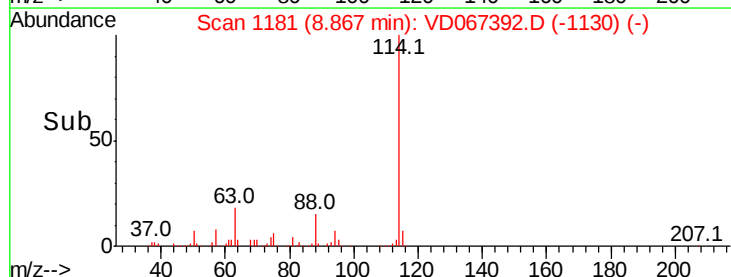
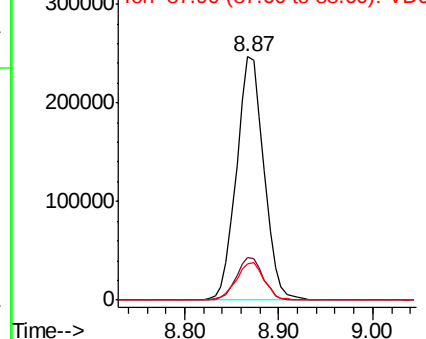
88 14.7 0.0 30.6

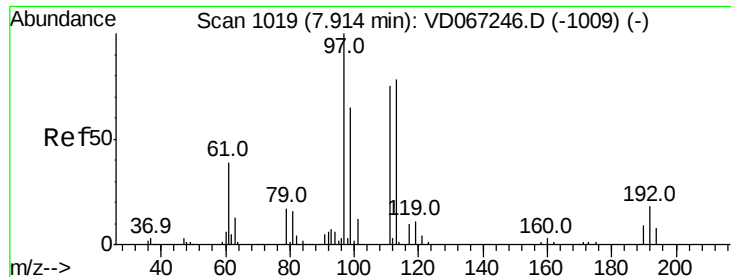


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

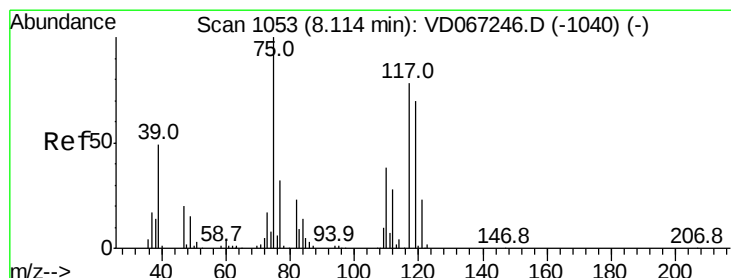
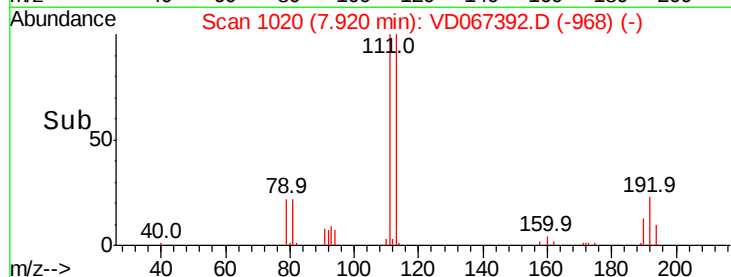
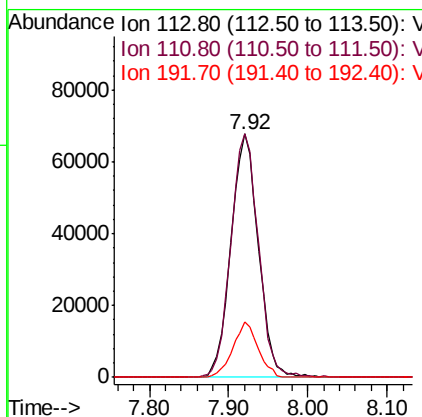
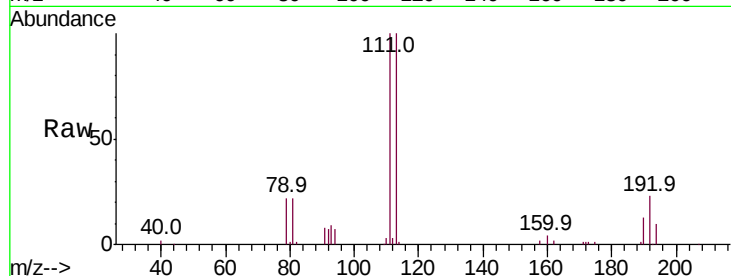




#35
 Dibromofluoromethane
 Concen: 48.702 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067392.D
 Acq: 26 Oct 2020 15:07

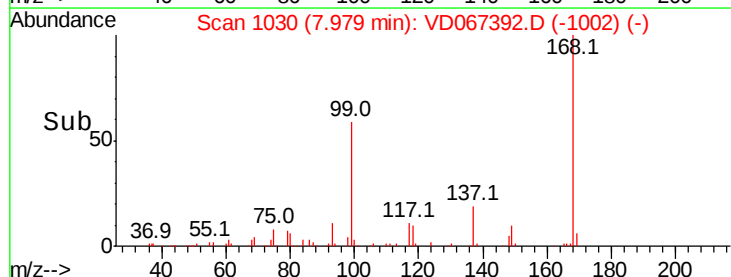
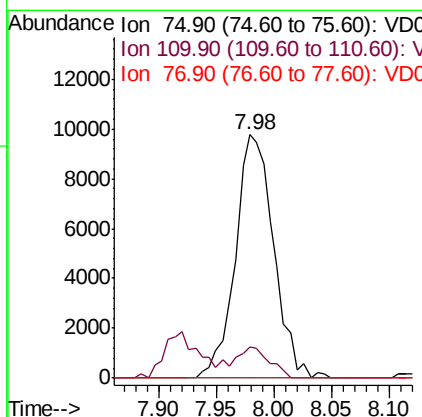
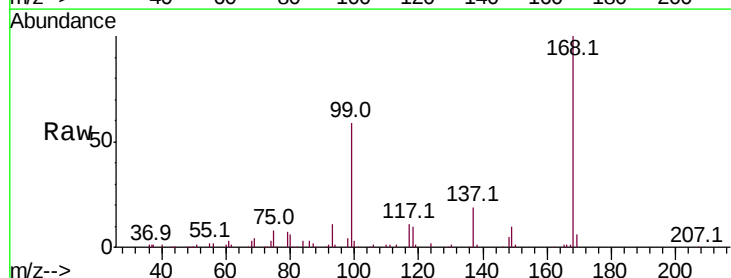
Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-2

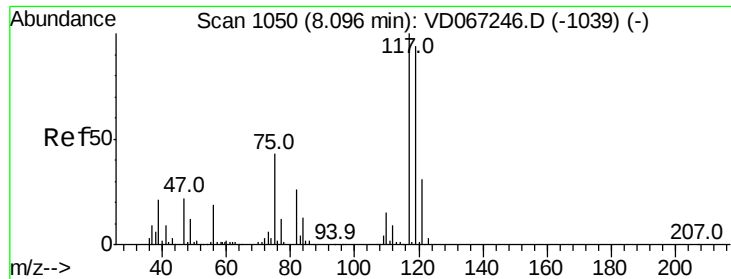
Tot Ion:113 Resp: 162191
 Ion Ratio Lower Upper
 113 100
 111 100.7 81.6 122.4
 192 21.0 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 5.299 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067392.D
 Acq: 26 Oct 2020 15:07

Tgt Ion: 75 Resp: 22476
 Ion Ratio Lower Upper
 75 100
 110 10.3 19.6 58.7#
 77 0.0 24.6 37.0#

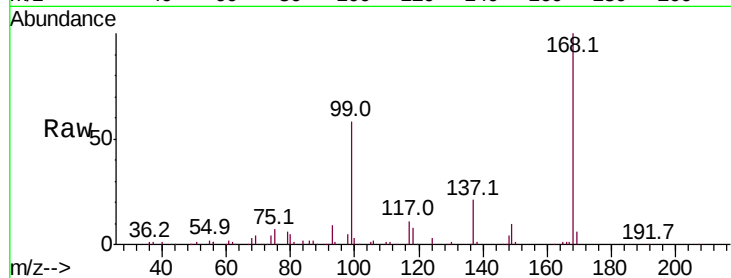




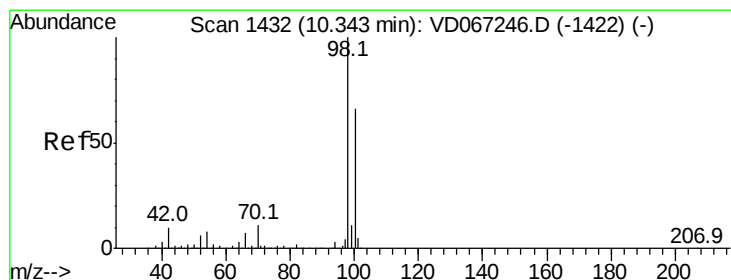
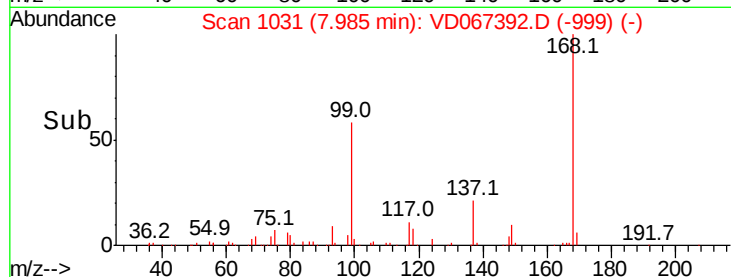
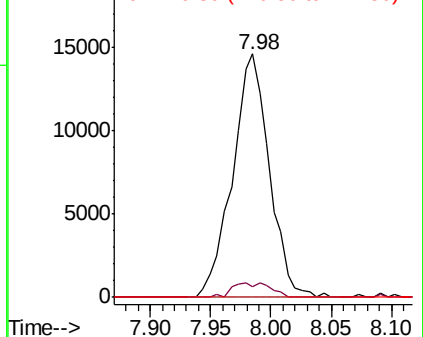
#38
Carbon Tetrachloride
Concen: 5.718 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD067392.D
Acq: 26 Oct 2020 15:07

Instrument :
MSVOA_D
ClientSampleId :
VOC-2

Tot Ion:117 Resp: 30997
Ion Ratio Lower Upper
117 100
119 4.3 75.0 112.4#
121 0.0 24.9 37.3#

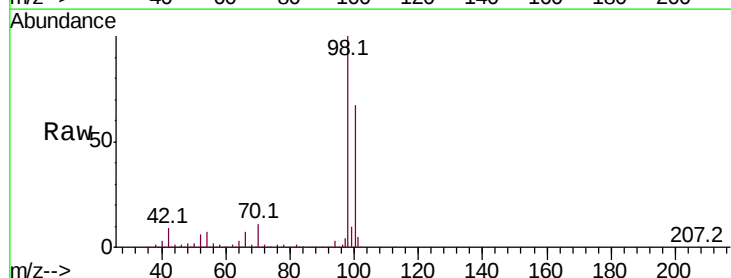


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

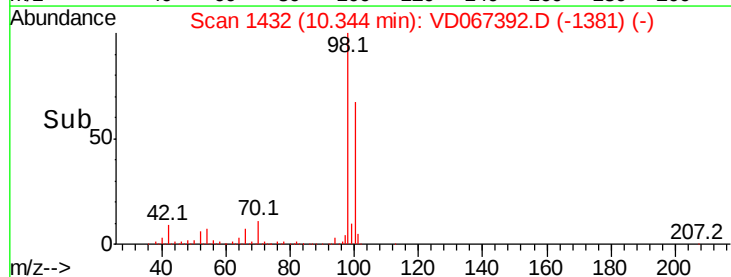
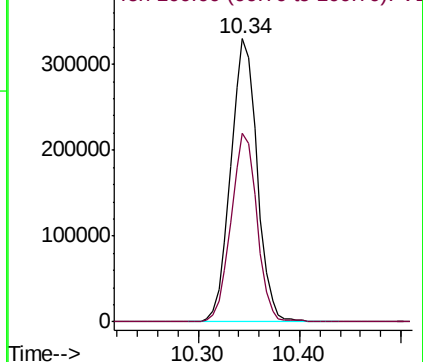


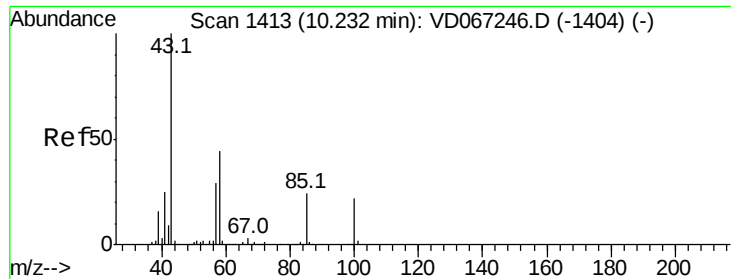
#50
Toluene-d8
Concen: 49.375 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067392.D
Acq: 26 Oct 2020 15:07

Tgt Ion: 98 Resp: 595071
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD





#51

4-Methyl-2-Pentanone

Concen: 1.932 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067392.D

Acq: 26 Oct 2020 15:07

Instrument :

MSVOA_D

ClientSampleId :

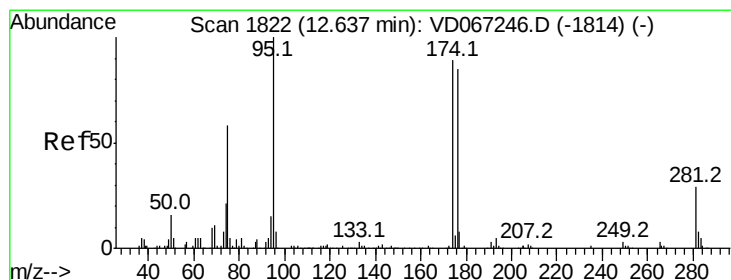
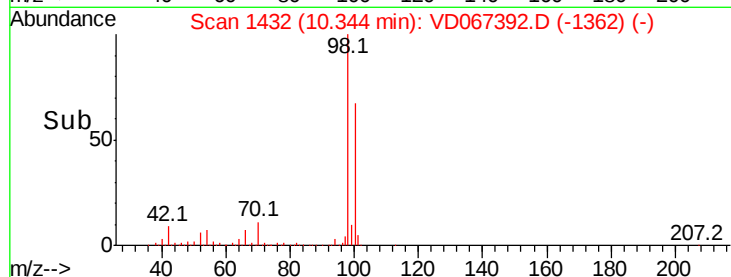
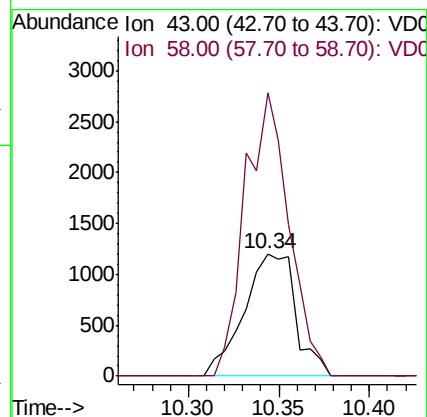
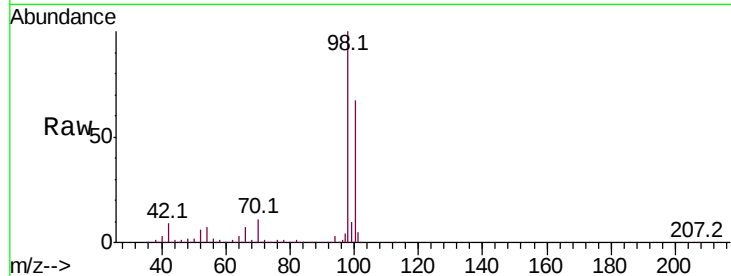
VOC-2

Tot Ion: 43 Resp: 2386

Ion Ratio Lower Upper

43 100

58 197.1 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 49.632 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067392.D

Acq: 26 Oct 2020 15:07

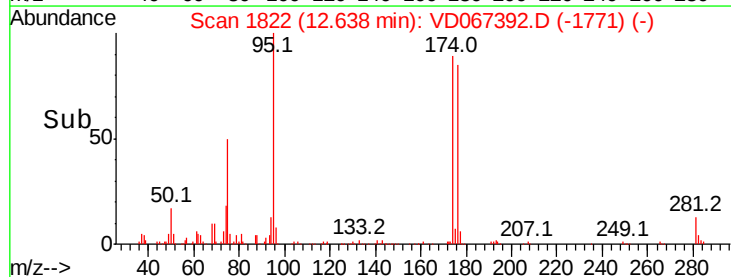
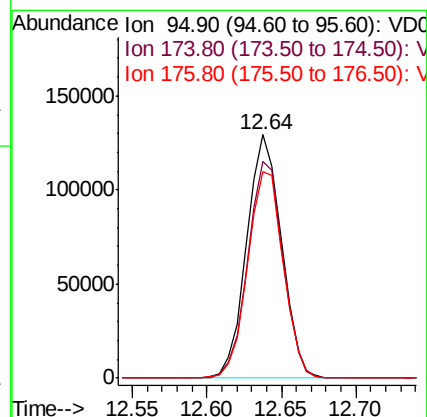
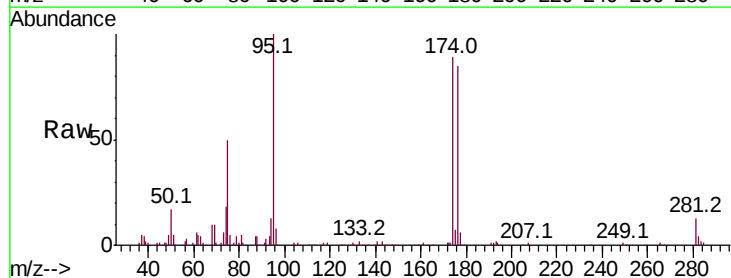
Tgt Ion: 95 Resp: 207997

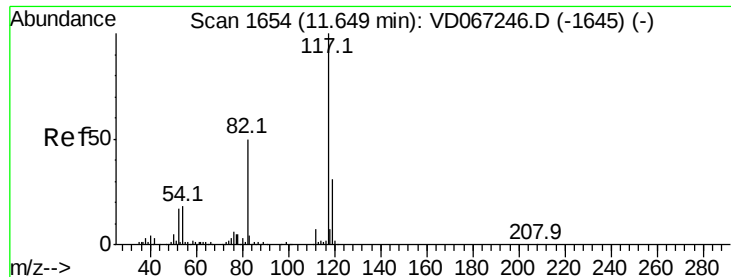
Ion Ratio Lower Upper

95 100

174 89.8 0.0 175.2

176 87.1 0.0 168.6

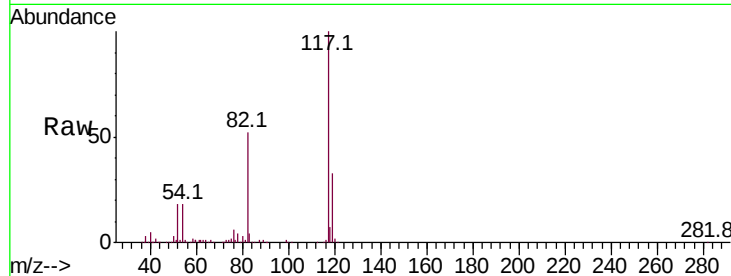




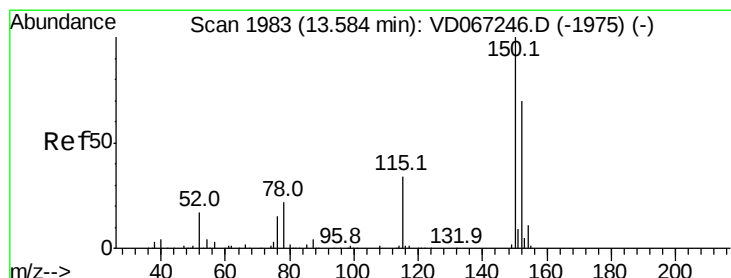
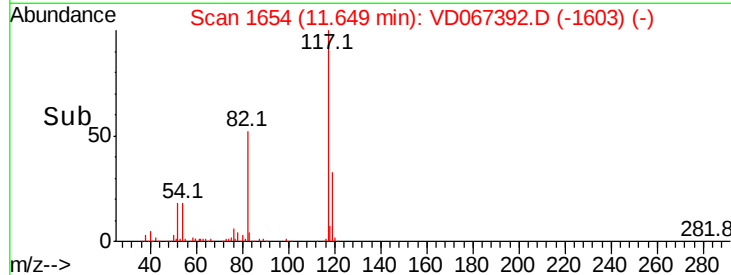
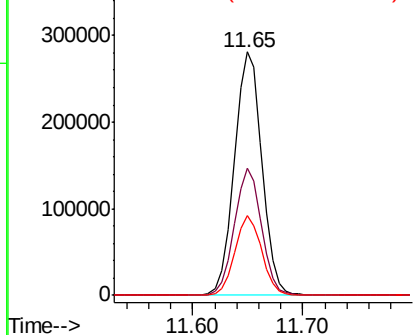
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067392.D
Acq: 26 Oct 2020 15:07

Instrument :
MSVOA_D
ClientSampleId :
VOC-2

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	39.9	59.9
119	32.7	24.9	37.3

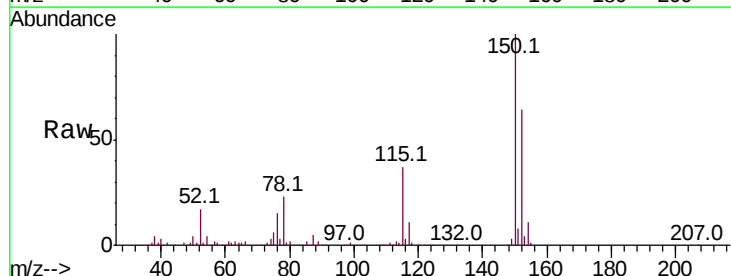


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

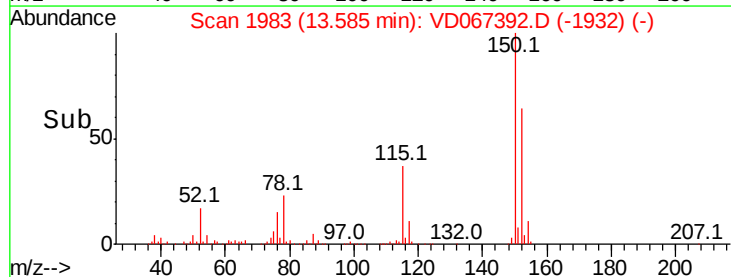
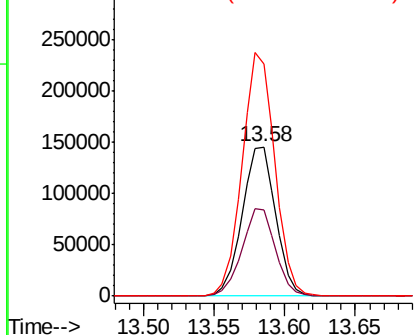


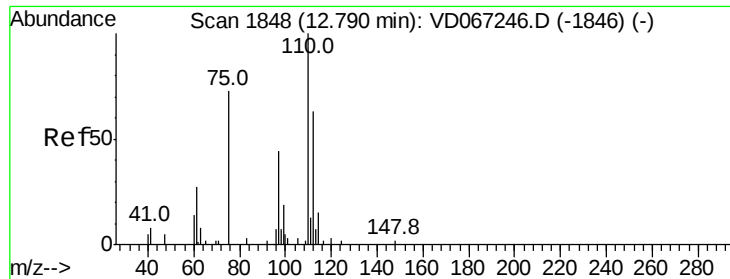
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067392.D
Acq: 26 Oct 2020 15:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.3	87.9
150	159.0	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: 64.599 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD067392.D

Acq: 26 Oct 2020 15:07

Instrument :

MSVOA_D

ClientSampleId :

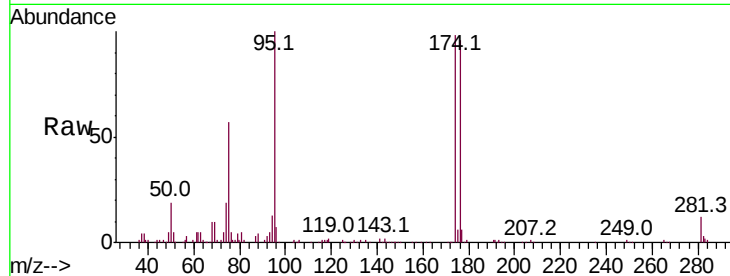
VOC-2

Tot Ion: 75 Resp: 108240

Ion Ratio Lower Upper

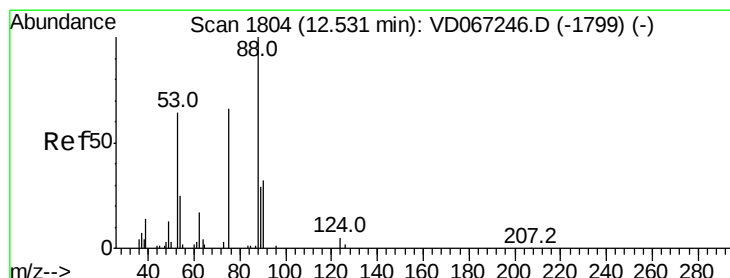
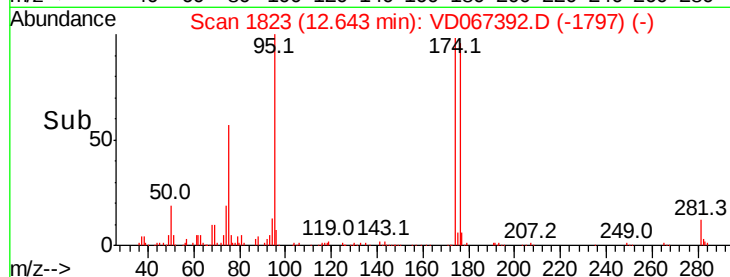
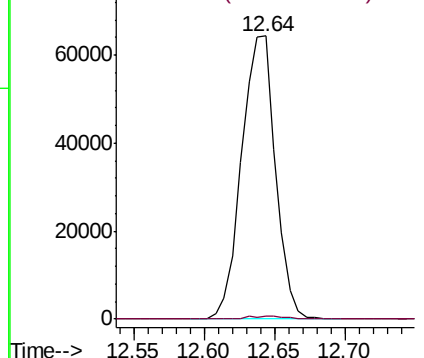
75 100

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: 146.491 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD067392.D

Acq: 26 Oct 2020 15:07

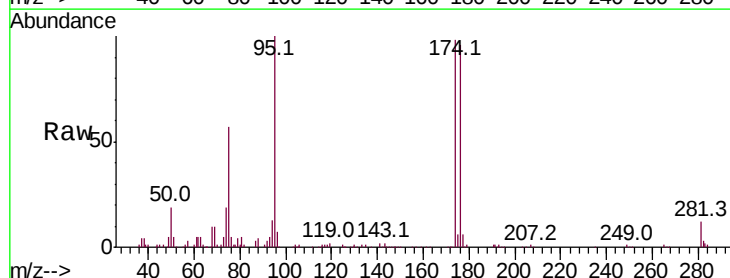
Tgt Ion: 75 Resp: 108240

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

