

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102020\
 Data File : VD067317.D
 Acq On : 20 Oct 2020 12:06
 Operator : VA/SY
 Sample : L4222-01
 Misc : 6.99G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-03-101920

Quant Time: Oct 21 01:49:42 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	319916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	534165	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	480703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	249317	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	173373	54.09	ug/l	0.00
Spiked Amount			Recovery	=	108.18%	
35) Dibromofluoromethane	7.92	113	175118	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
50) Toluene-d8	10.34	98	554713	43.12	ug/l	0.00
Spiked Amount			Recovery	=	86.24%	
62) 4-Bromofluorobenzene	12.64	95	237671	53.13	ug/l	0.00
Spiked Amount			Recovery	=	106.26%	

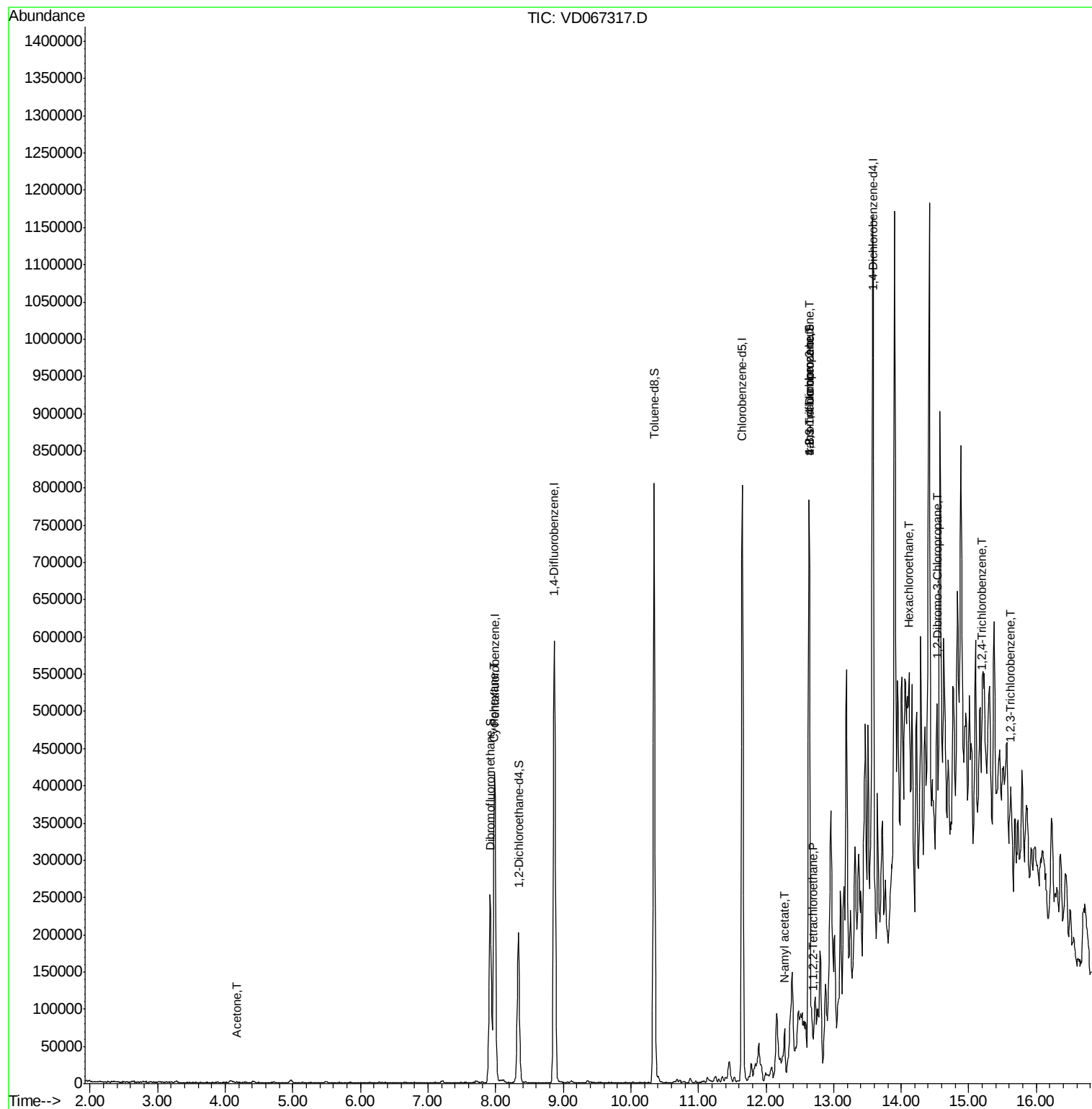
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	1129	Below Cal		93
5) Bromomethane	2.78	94	816	Below Cal		83
16) Acetone	4.16	43	925	2.061	ug/l #	78
20) Methylene Chloride	4.97	84	2494	Below Cal	#	92
31) Cyclohexane	7.97	56	4341	1.176	ug/l #	63
74) N-amyl acetate	12.27	43	10301	4.310	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.70	83	3529	1.456	ug/l #	26
76) 1,2,3-Trichloropropane	12.64	75	125215	72.462	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	125215	164.323	ug/l #	10
90) Hexachloroethane	14.12	117	3453	1.315	ug/l #	16
92) 1,2-Dibromo-3-Chloropropan	14.53	75	546	1.240	ug/l #	33
93) 1,2,4-Trichlorobenzene	15.19	180	7455	1.667	ug/l #	12
96) 1,2,3-Trichlorobenzene	15.63	180	4760	1.232	ug/l #	27

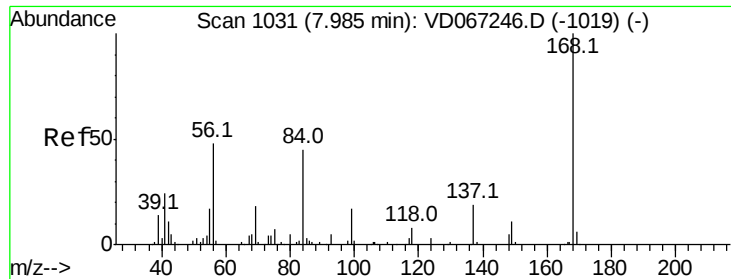
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102020\
Data File : VD067317.D
Acq On : 20 Oct 2020 12:06
Operator : VA/SY
Sample : L4222-01
Misc : 6.99G/5.00ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EO-03-101920

Quant Time: Oct 21 01:49:42 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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067317.D

Acq: 20 Oct 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

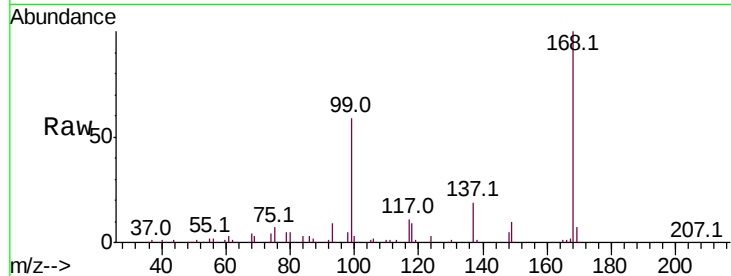
EO-03-101920

Tot Ion:168 Resp: 319916

Ion Ratio Lower Upper

168 100

99 58.7 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

150000

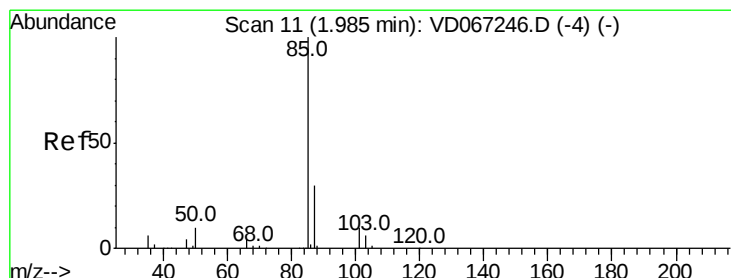
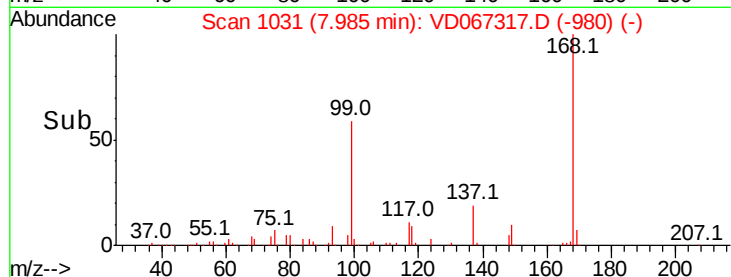
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD067317.D

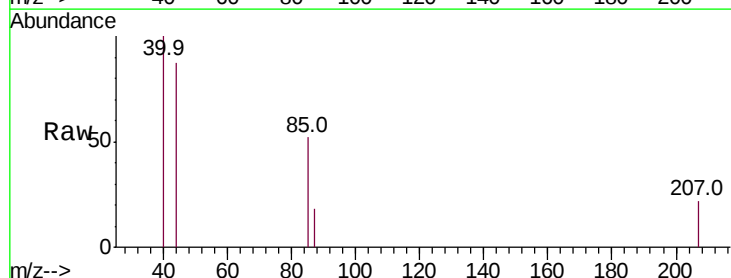
Acq: 20 Oct 2020 12:06

Tgt Ion: 85 Resp: 1129

Ion Ratio Lower Upper

85 100

87 34.3 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

800

600

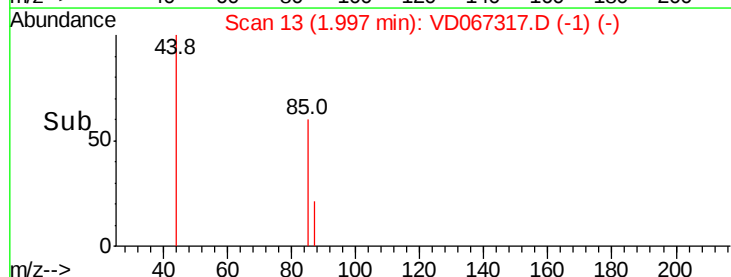
400

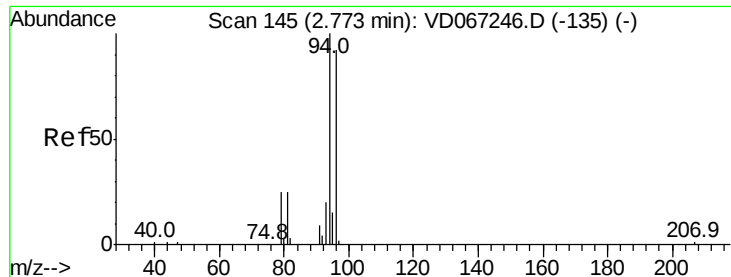
200

0

1.94 1.96 1.98 2.00 2.02

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067317.D

Acq: 20 Oct 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

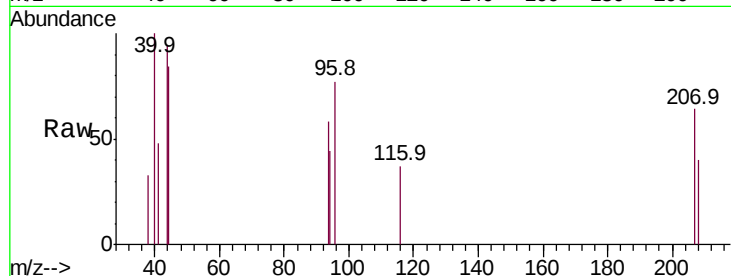
EO-03-101920

Tot Ion: 94 Resp: 816

Ion Ratio Lower Upper

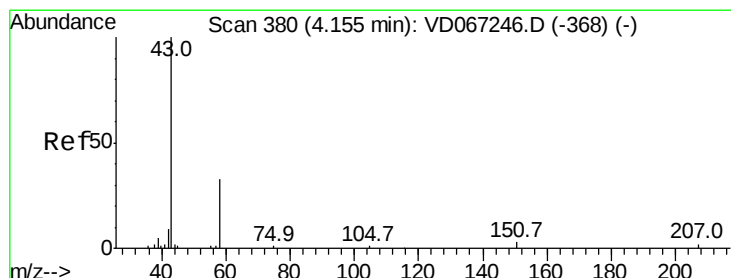
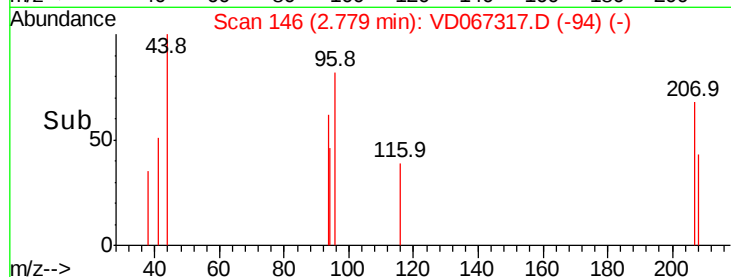
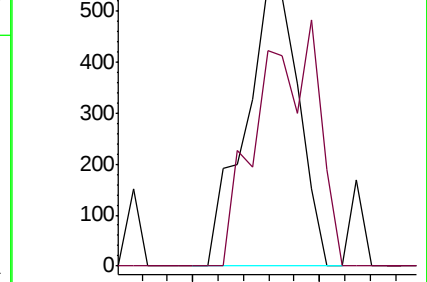
94 100

96 76.1 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: 2.061 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067317.D

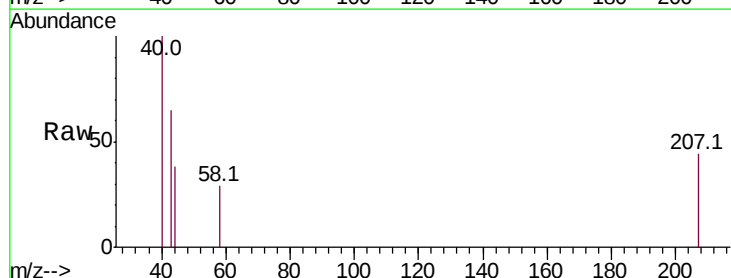
Acq: 20 Oct 2020 12:06

Tgt Ion: 43 Resp: 925

Ion Ratio Lower Upper

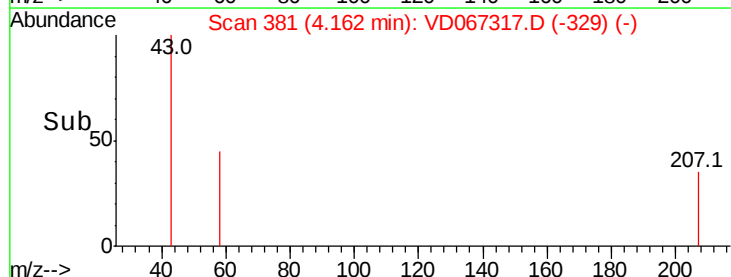
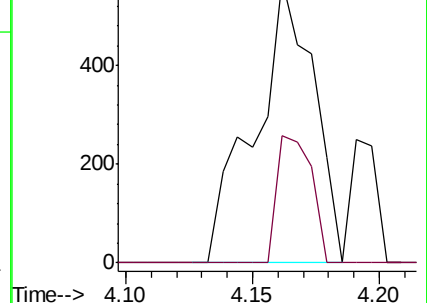
43 100

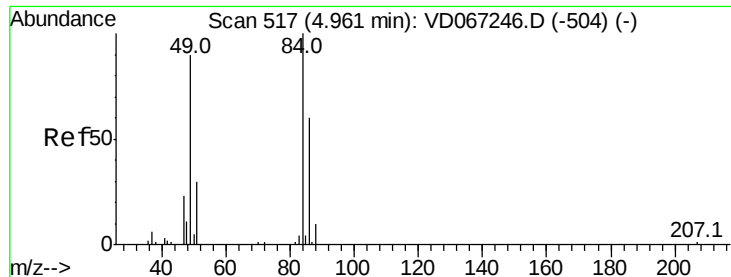
58 44.9 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

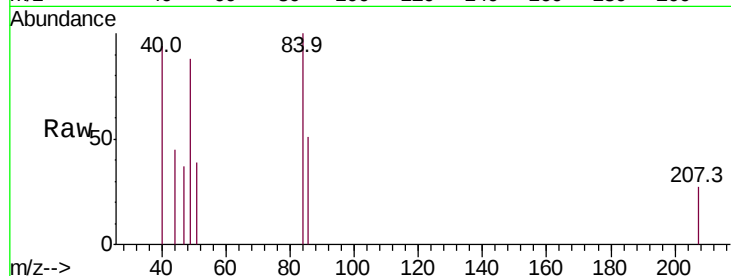




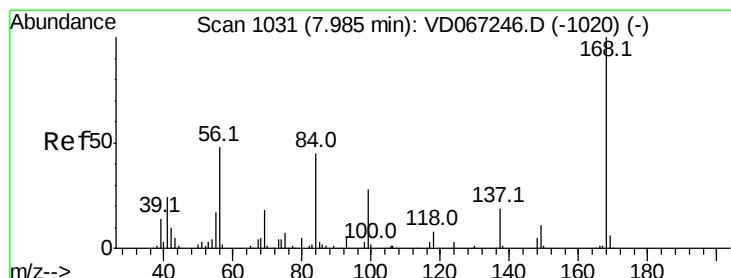
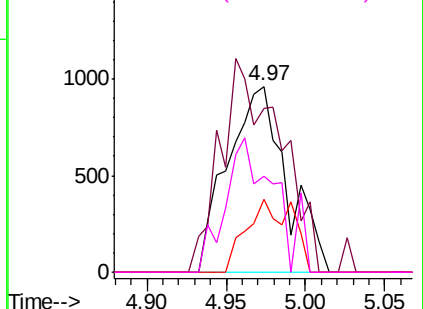
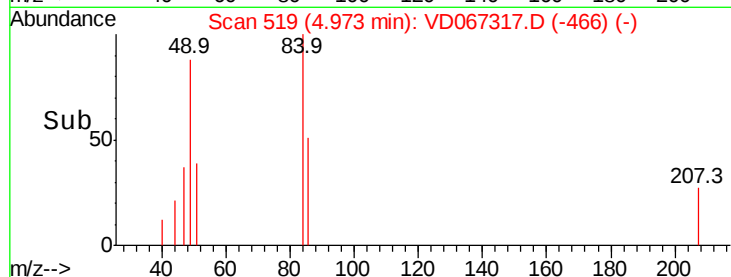
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067317.D
Acq: 20 Oct 2020 12:06

Instrument :
MSVOA_D
ClientSampleId :
EO-03-101920

Tot Ion: 84 Resp: 2494
Ion Ratio Lower Upper
84 100
49 88.1 72.2 108.2
51 39.4 23.8 35.8#
86 51.3 48.2 72.4

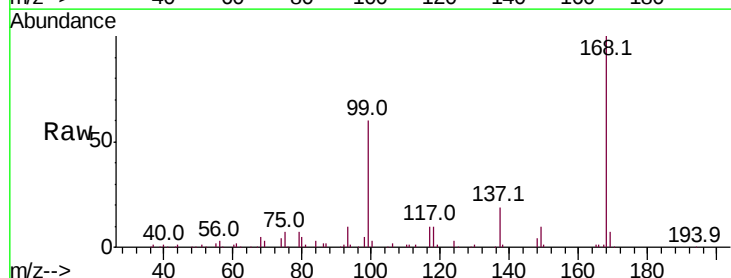


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

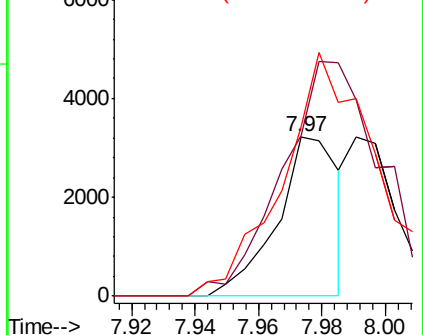
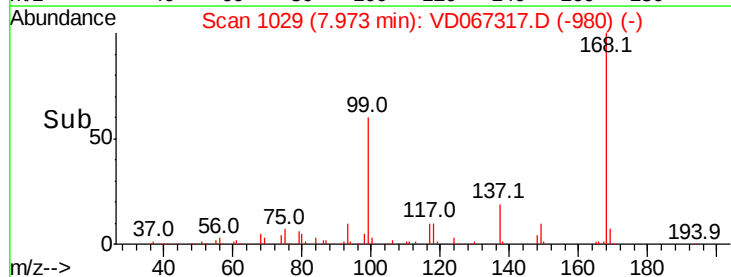


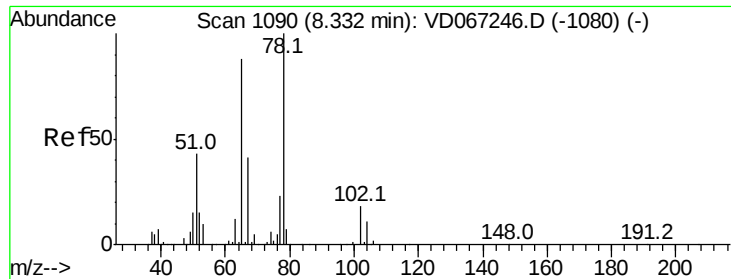
#31
Cyclohexane
Concen: 1.176 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD067317.D
Acq: 20 Oct 2020 12:06

Tgt Ion: 56 Resp: 4341
Ion Ratio Lower Upper
56 100
69 100.4 29.8 44.6#
84 106.2 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: 54.093 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067317.D

Acq: 20 Oct 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

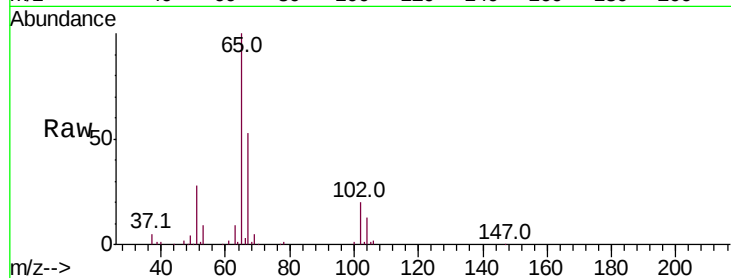
EO-03-101920

Tot Ion: 65 Resp: 173373

Ion Ratio Lower Upper

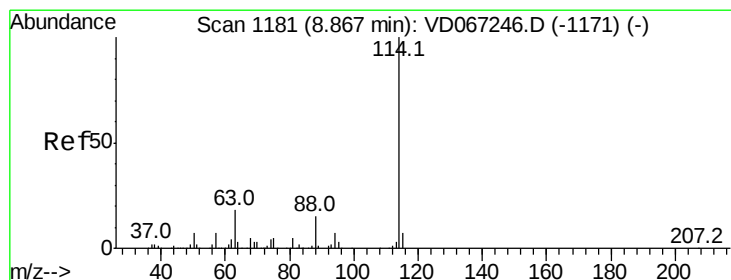
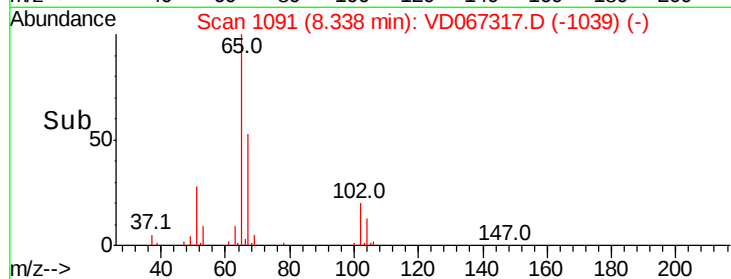
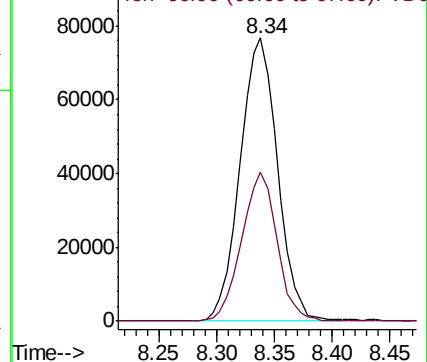
65 100

67 49.8 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: VD067317.D

Acq: 20 Oct 2020 12:06

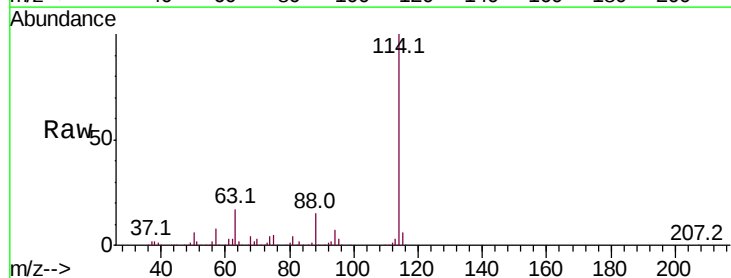
Tgt Ion: 114 Resp: 534165

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.0

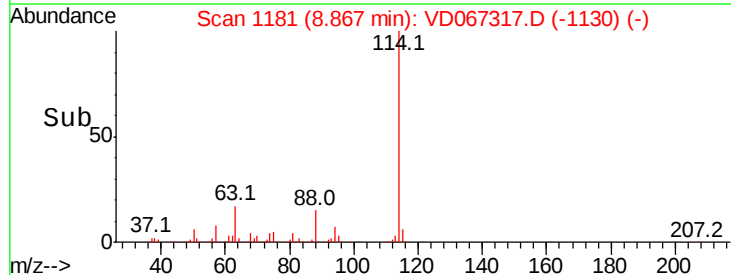
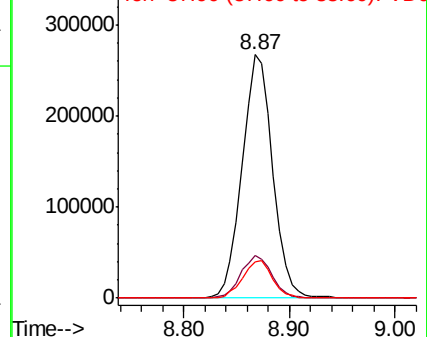
88 15.1 0.0 30.6

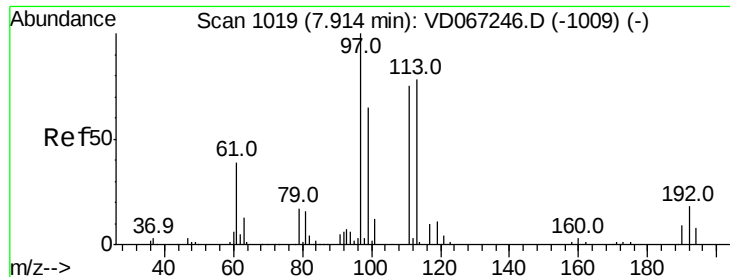


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

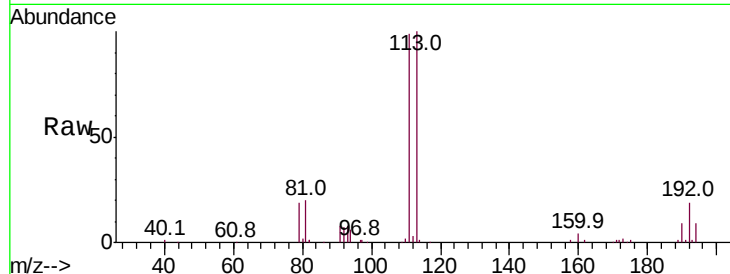




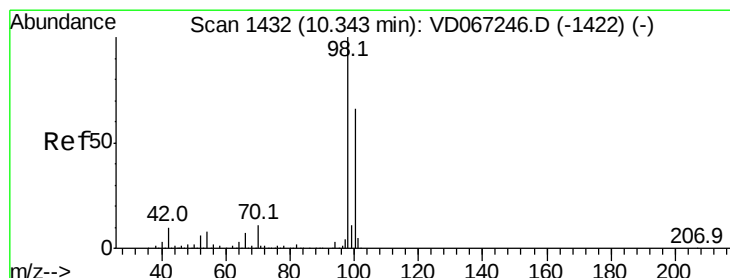
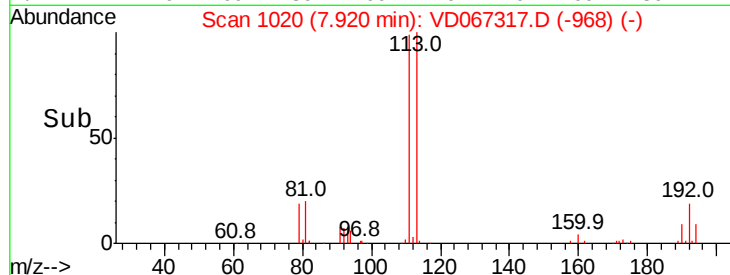
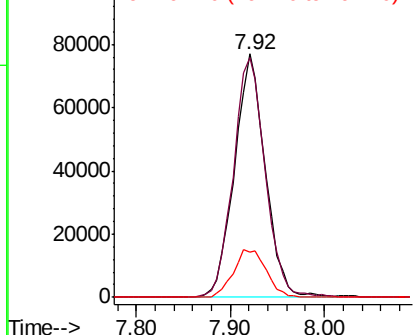
#35
 Dibromofluoromethane
 Concen: 49.261 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067317.D
 Acq: 20 Oct 2020 12:06

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-03-101920

Tot Ion:113 Resp: 175118
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.6 122.4
 192 20.6 17.0 25.4

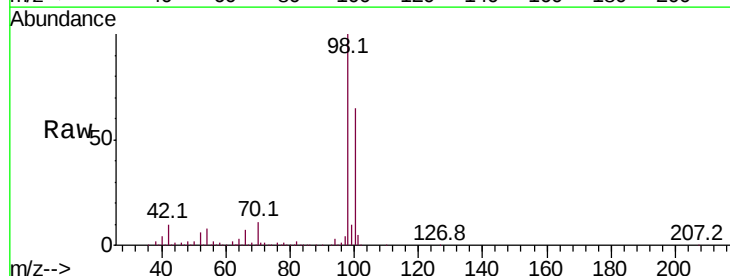


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

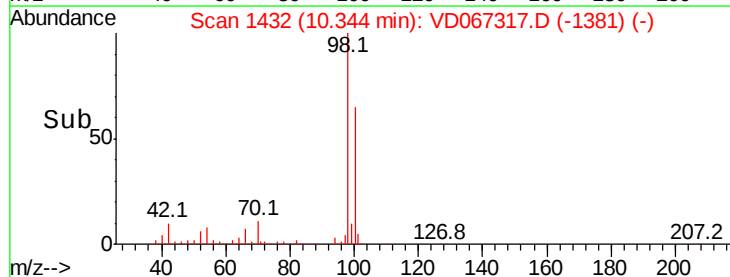
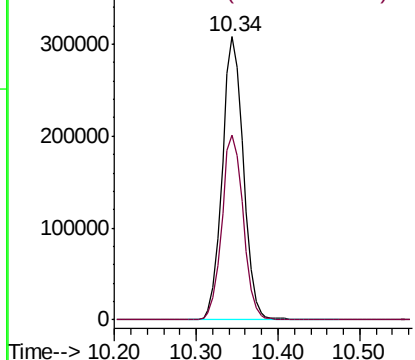


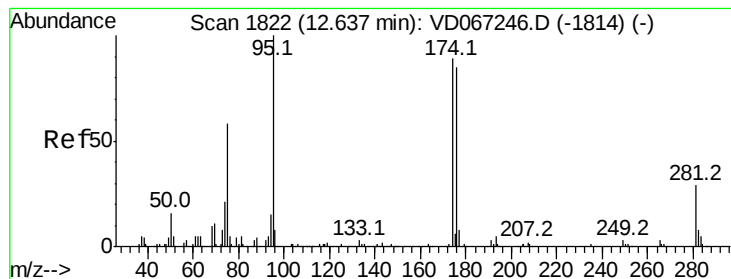
#50
 Toluene-d8
 Concen: 43.119 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD067317.D
 Acq: 20 Oct 2020 12:06

Tgt Ion: 98 Resp: 554713
 Ion Ratio Lower Upper
 98 100
 100 66.3 53.1 79.7



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





#62

4-Bromofluorobenzene

Concen: 53.130 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067317.D

Acq: 20 Oct 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

EO-03-101920

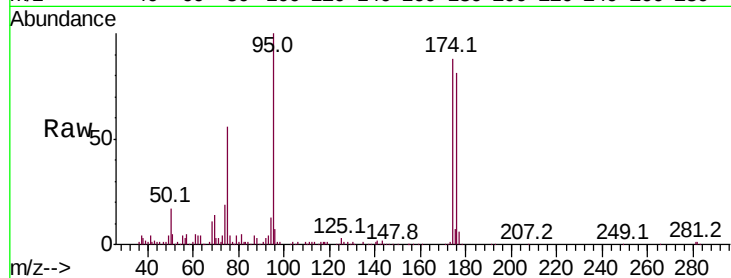
Tot Ion: 95 Resp: 237671

Ion Ratio Lower Upper

95 100

174 87.1 0.0 175.2

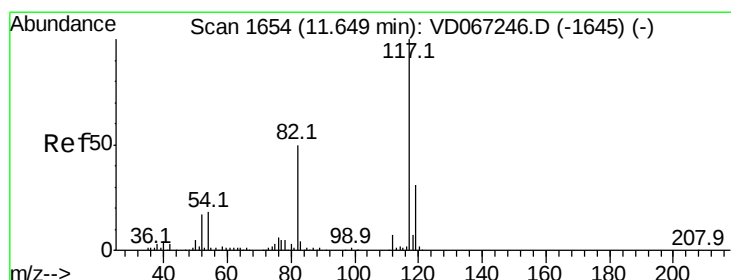
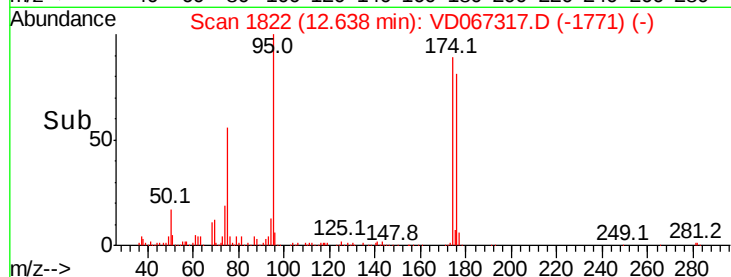
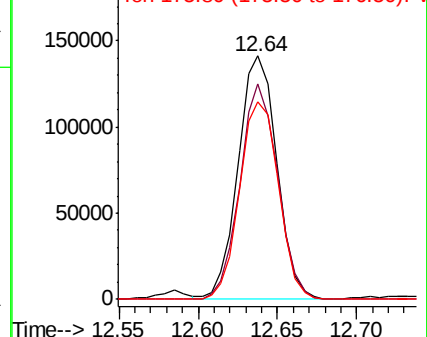
176 82.3 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD067317.D

Acq: 20 Oct 2020 12:06

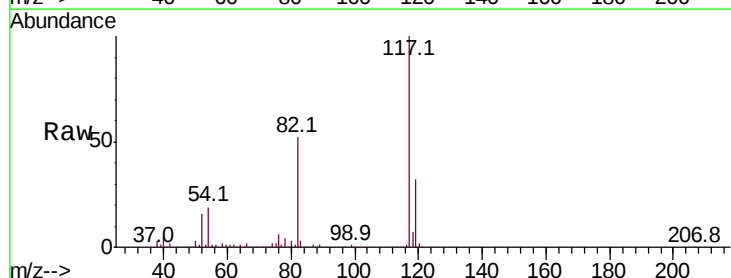
Tgt Ion: 117 Resp: 480703

Ion Ratio Lower Upper

117 100

82 51.5 39.9 59.9

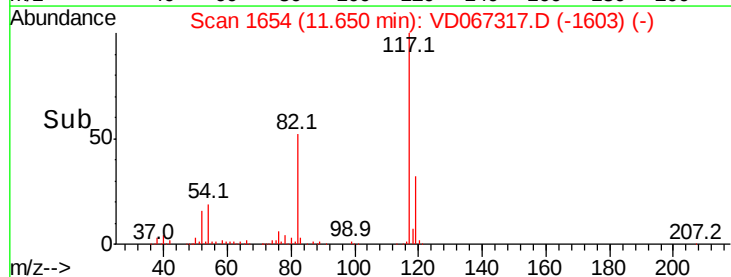
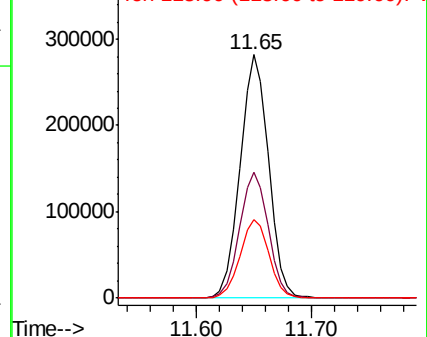
119 32.0 24.9 37.3

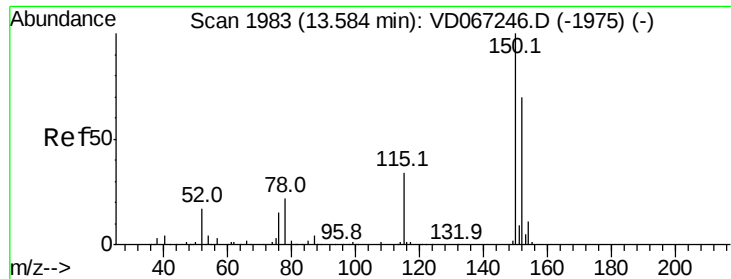


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD067317.D

Acq: 20 Oct 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

EO-03-101920

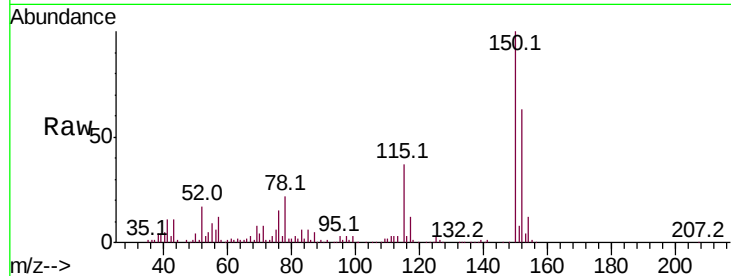
Tot Ion:152 Resp: 249317

Ion Ratio Lower Upper

152 100

115 59.3 29.3 87.9

150 157.6 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

300000

250000

200000

150000

100000

50000

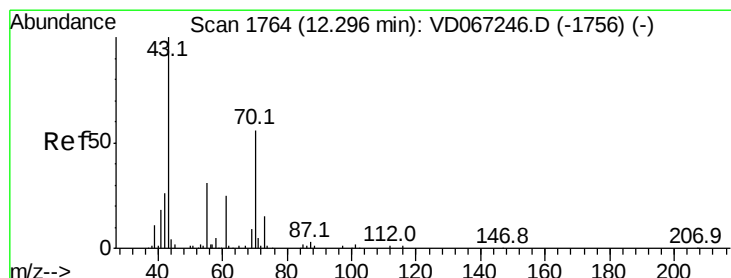
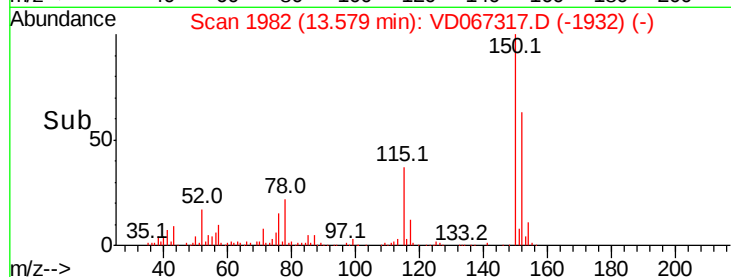
0

13.58

13.50

13.60

Time-->



#74

N-ethyl acetate

Concen: 4.310 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD067317.D

Acq: 20 Oct 2020 12:06

Tgt Ion: 43 Resp: 10301

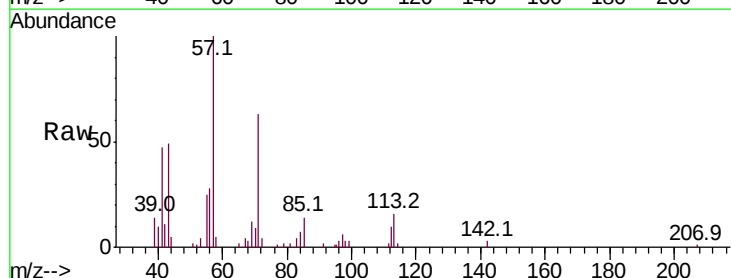
Ion Ratio Lower Upper

43 100

70 19.0 42.7 64.1#

55 0.0 24.0 36.0#

61 0.0 22.2 33.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

12000

10000

8000

6000

4000

2000

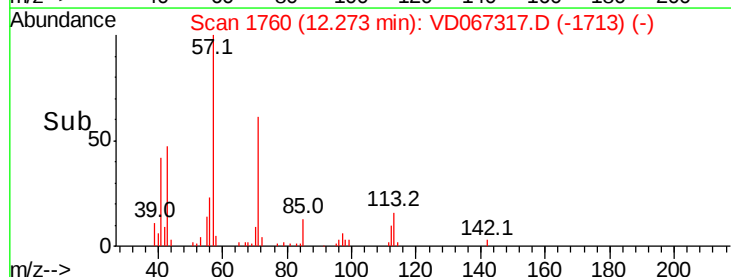
0

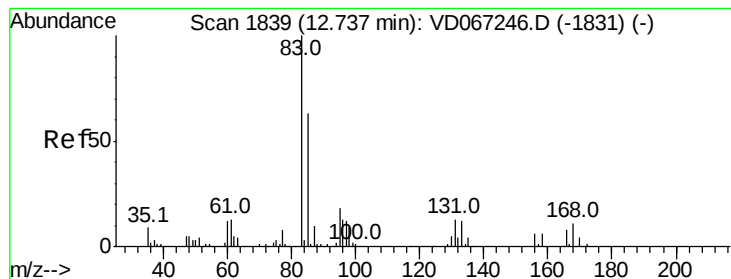
12.27

12.25

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 1.456 ug/l

RT: 12.70 min Scan# 1832

Delta R.T. -0.04 min

Lab File: VD067317.D

Acq: 20 Oct 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

EO-03-101920

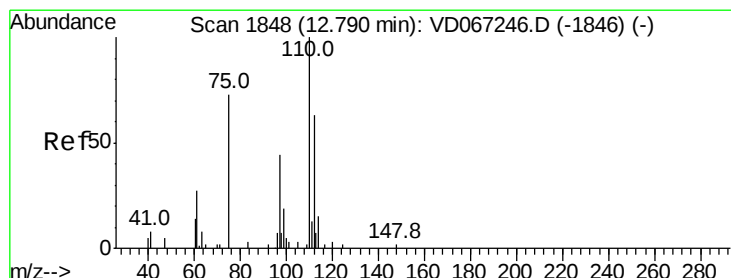
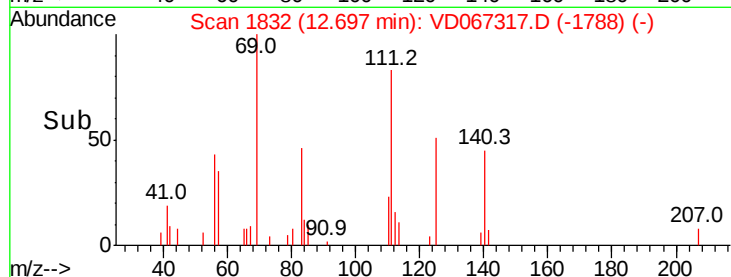
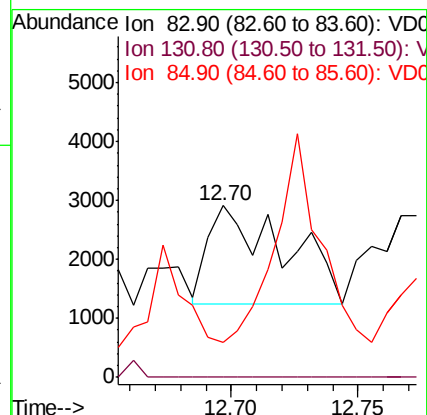
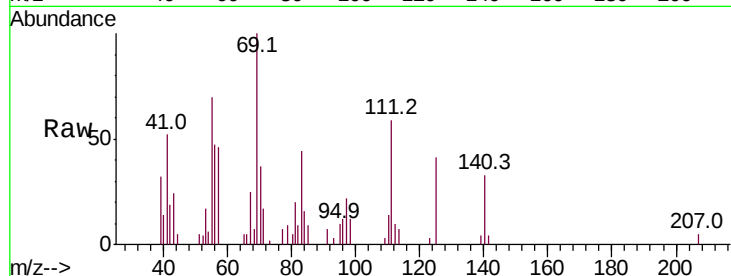
Tot Ion: 83 Resp: 3529

Ion Ratio Lower Upper

83 100

131 0.0 6.5 19.5#

85 0.0 32.6 97.7#



#76

1,2,3-Trichloropropane

Concen: 72.462 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067317.D

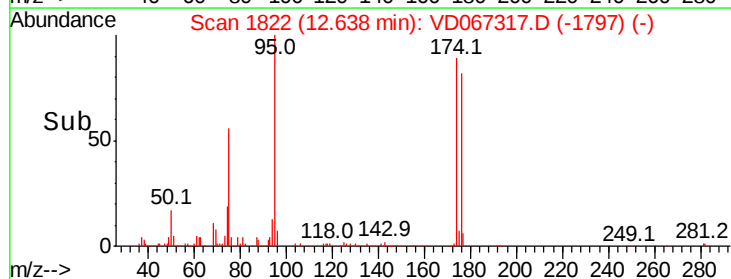
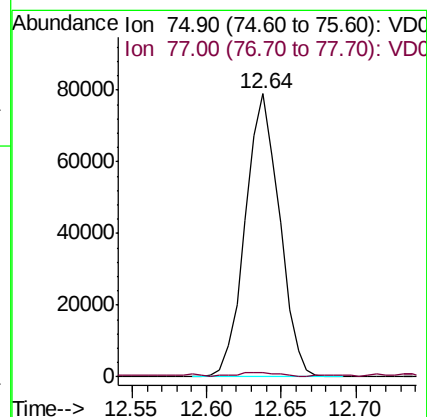
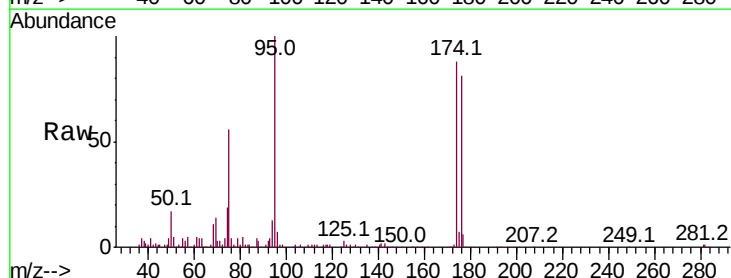
Acq: 20 Oct 2020 12:06

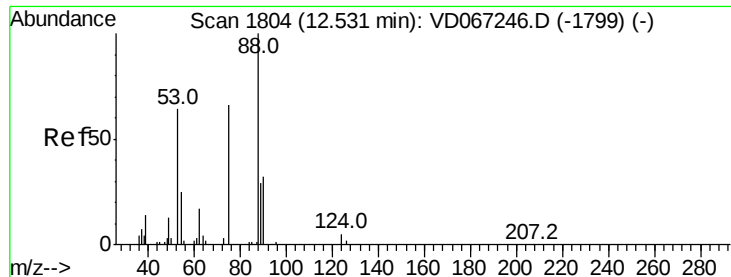
Tgt Ion: 75 Resp: 125215

Ion Ratio Lower Upper

75 100

77 2.2 0.0 0.0#

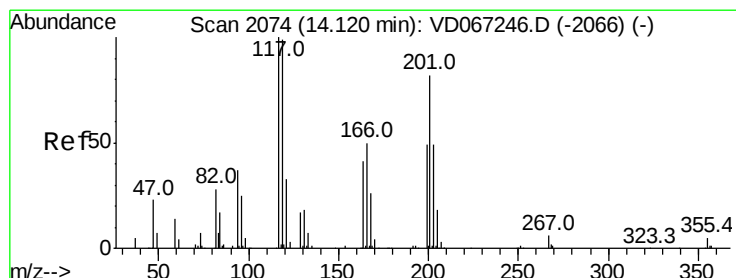
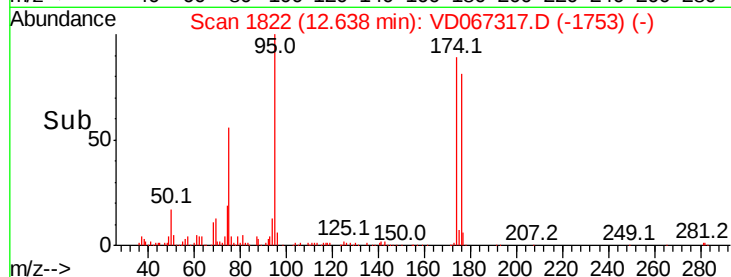
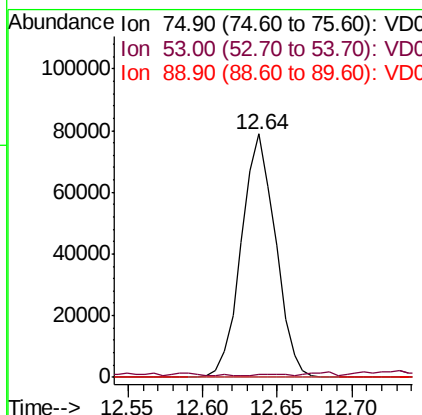
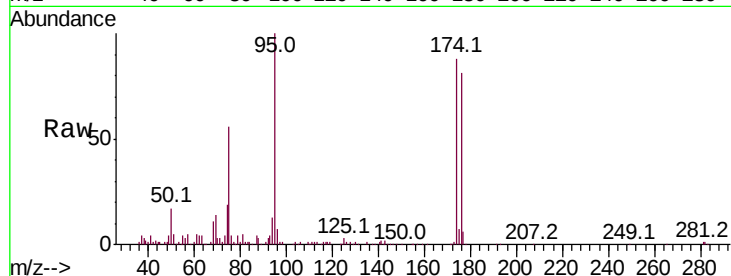




#81
trans-1,4-Dichloro-2-butene
Concen: 164.323 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD067317.D
Acq: 20 Oct 2020 12:06

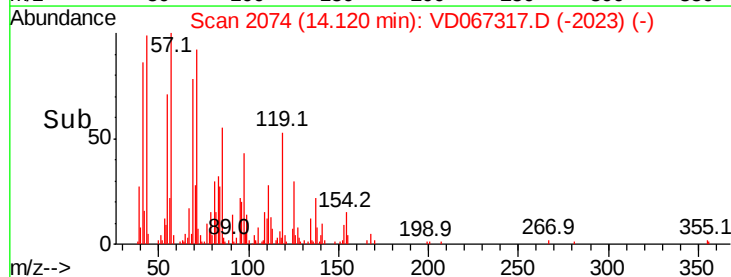
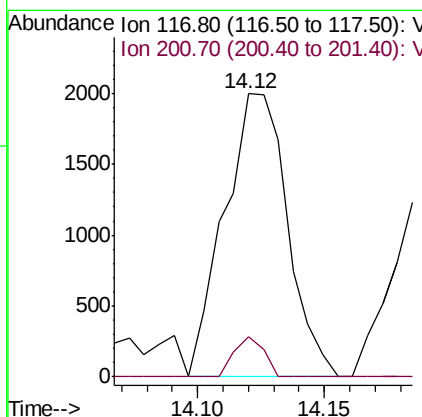
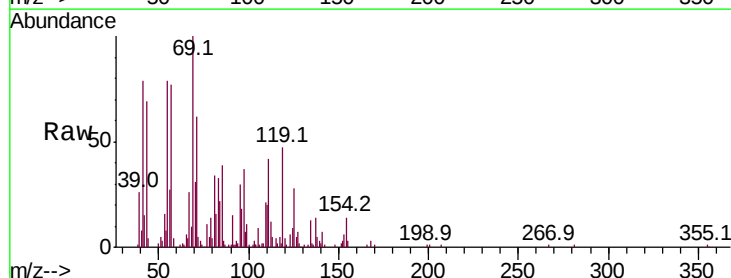
Instrument :
MSVOA_D
ClientSampleId :
EO-03-101920

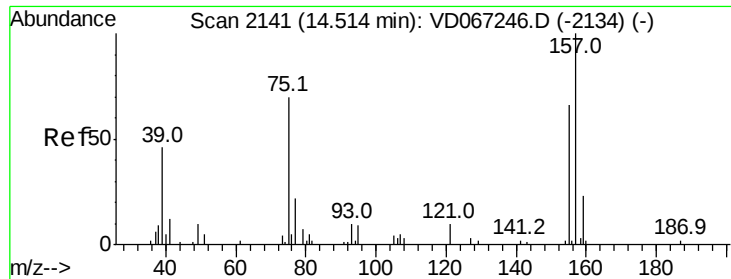
Tot Ion: 75 Resp: 125215
Ion Ratio Lower Upper
75 100
53 0.4 78.5 117.7#
89 0.0 39.9 59.9#



#90
Hexachloroethane
Concen: 1.315 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067317.D
Acq: 20 Oct 2020 12:06

Tgt Ion: 117 Resp: 3453
Ion Ratio Lower Upper
117 100
201 6.6 40.8 122.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.240 ug/l

RT: 14.53 min Scan# 2143

Delta R.T. 0.01 min

Lab File: VD067317.D

Acq: 20 Oct 2020 12:06

Instrument :

MSVOA_D

ClientSampleId :

EO-03-101920

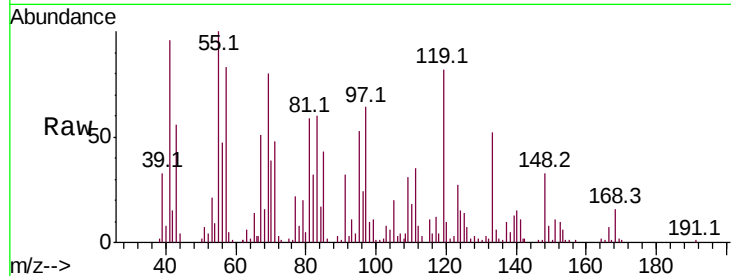
Tot Ion: 75 Resp: 546

Ion Ratio Lower Upper

75 100

155 112.1 44.8 134.4

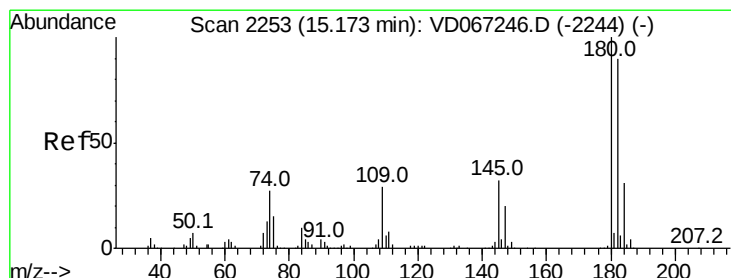
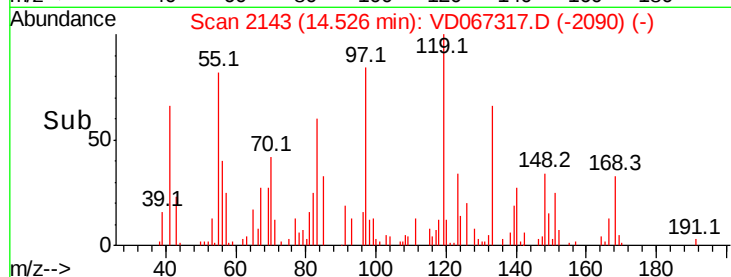
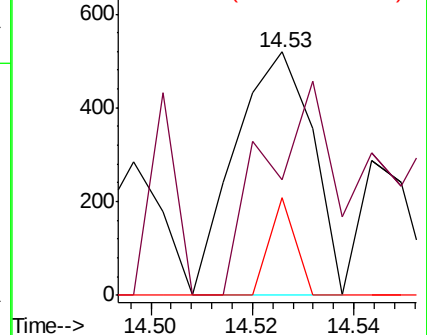
157 13.4 62.5 187.4#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 1.667 ug/l

RT: 15.19 min Scan# 2256

Delta R.T. 0.02 min

Lab File: VD067317.D

Acq: 20 Oct 2020 12:06

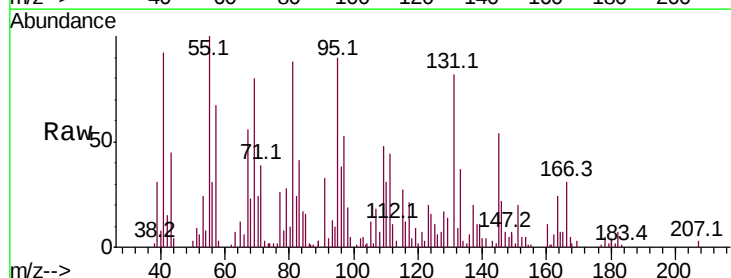
Tgt Ion:180 Resp: 7455

Ion Ratio Lower Upper

180 100

182 0.0 48.1 144.4#

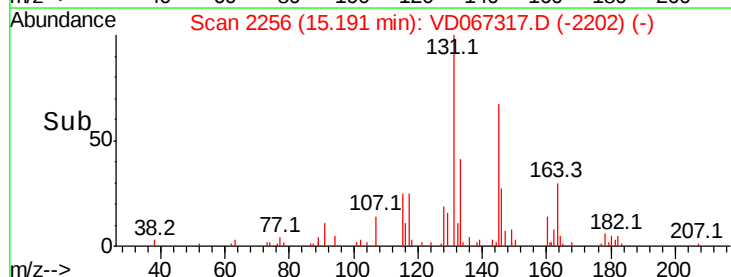
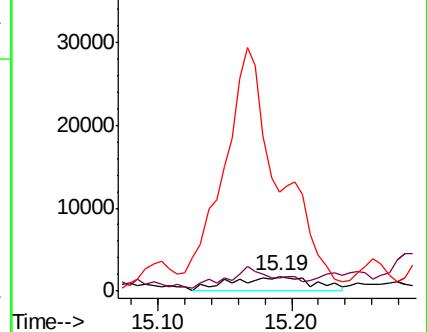
145 0.0 16.3 48.9#

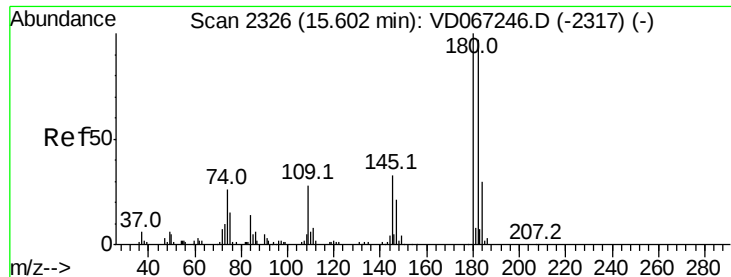


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

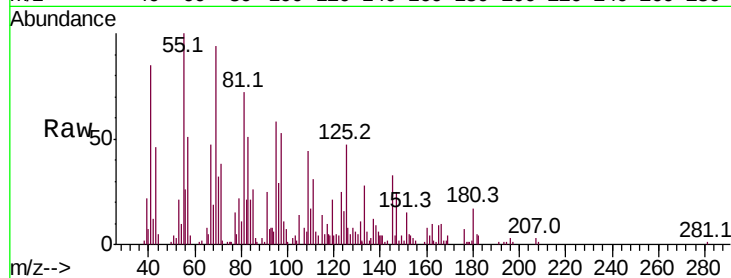




#96
 1,2,3-Trichlorobenzene
 Concen: 1.232 ug/l
 RT: 15.63 min Scan# 2330
 Delta R.T. 0.02 min
 Lab File: VD067317.D
 Acq: 20 Oct 2020 12:06

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-03-101920

Tot Ion:180 Resp: 4760
 Ion Ratio Lower Upper
 180 100
 182 20.8 48.1 144.3#
 145 0.0 17.3 51.9#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

