

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101520\
 Data File : VD067286.D
 Acq On : 15 Oct 2020 16:28
 Operator : VA/SY
 Sample : L4227-01
 Misc : 4.69G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BU-01-101420

Quant Time: Oct 16 01:03:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	314396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	530922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	513403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	246009	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	176795	56.13	ug/l	0.00
Spiked Amount			Recovery	=	112.26%	
35) Dibromofluoromethane	7.92	113	82770	23.43	ug/l	0.00
Spiked Amount			Recovery	=	46.86%	
50) Toluene-d8	10.34	98	633997	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.64	95	216210	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	

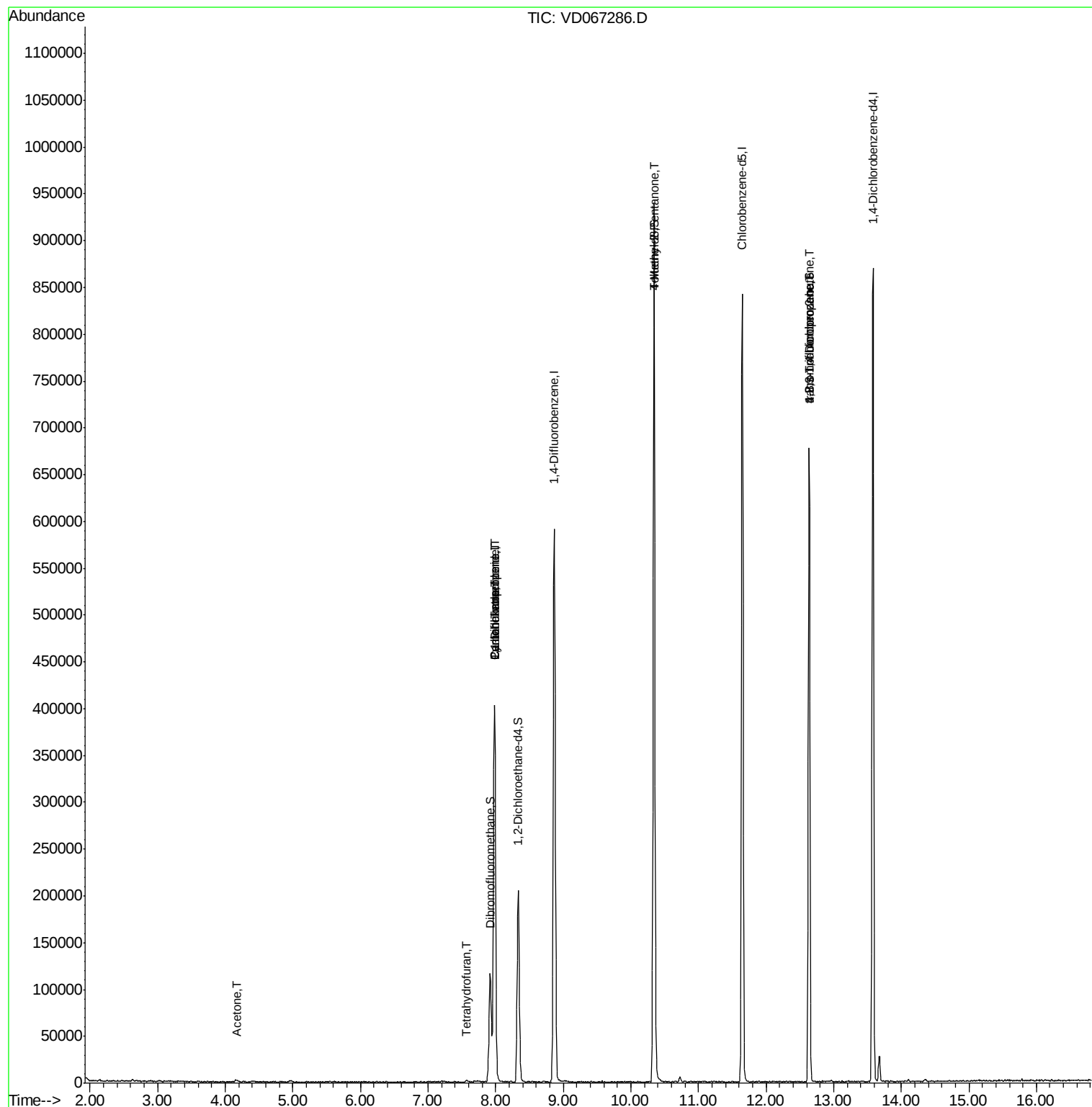
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	120	Below Cal		100
16) Acetone	4.17	43	3745	8.490	ug/l #	62
20) Methylene Chloride	4.95	84	569	Below Cal	#	64
29) Tetrahydrofuran	7.57	42	1385	4.955	ug/l #	73
31) Cyclohexane	7.98	56	5960	1.643	ug/l #	27
36) 1,1-Dichloropropene	7.98	75	22866	5.081	ug/l #	51
38) Carbon Tetrachloride	7.98	117	32420	5.637	ug/l #	18
51) 4-Methyl-2-Pentanone	10.35	43	2572	1.963	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	112349	65.891	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	112349	149.421	ug/l #	10

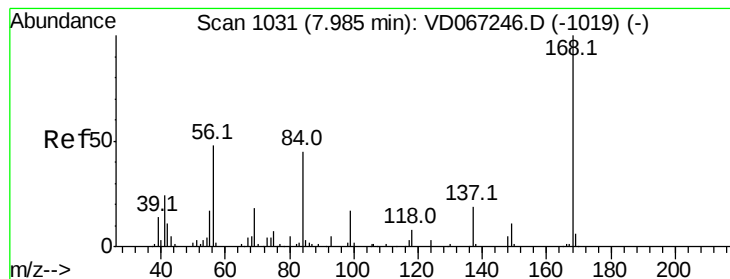
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101520\
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Quant Time: Oct 16 01:03:06 2020
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Quant Title : SW846 8260
QLast Update : Wed Oct 14 03:30:30 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: VD067286.D

Acq: 15 Oct 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

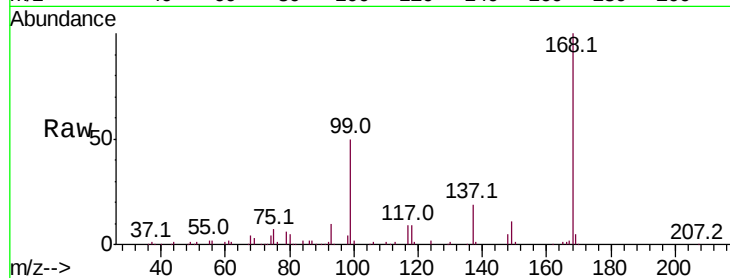
BU-01-101420

Tot Ion:168 Resp: 314396

Ion Ratio Lower Upper

168 100

99 50.4 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

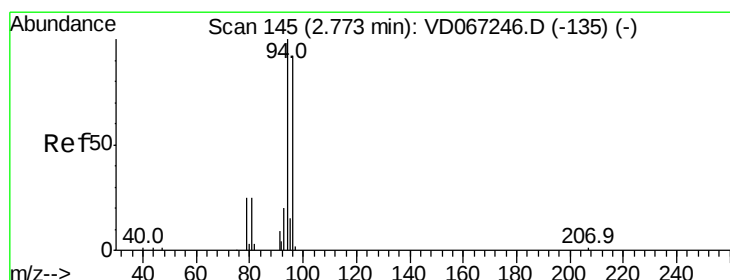
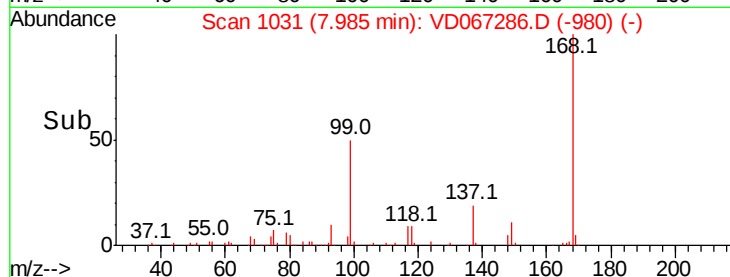
100000

50000

0

7.90 8.00 8.10

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067286.D

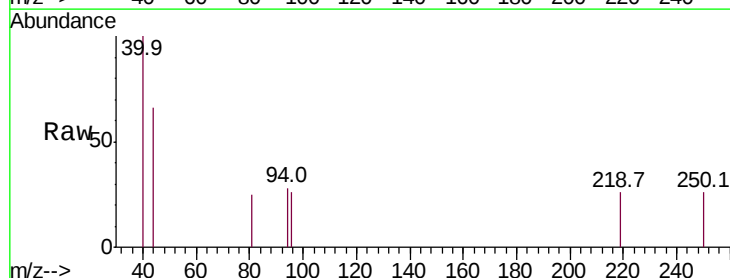
Acq: 15 Oct 2020 16:28

Tgt Ion: 94 Resp: 120

Ion Ratio Lower Upper

94 100

96 92.4 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

300

250

200

150

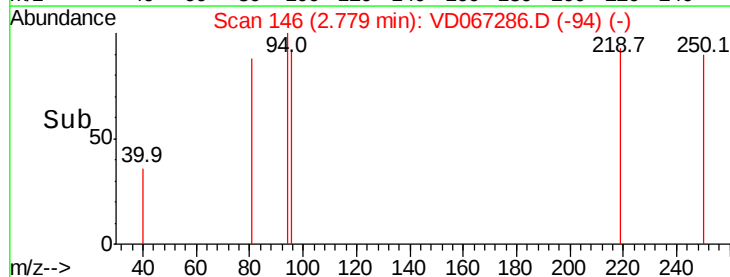
100

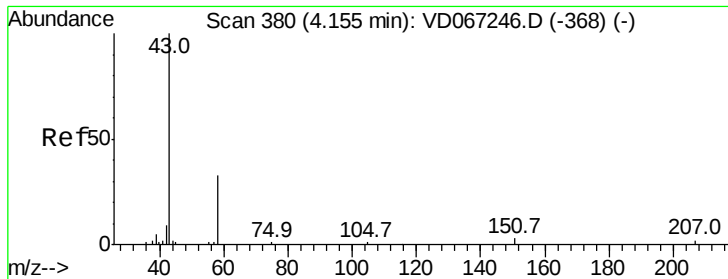
50

0

2.76 2.78 2.80

Time-->





#16

Acetone

Concen: 8.490 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.02 min

Lab File: VD067286.D

Acq: 15 Oct 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

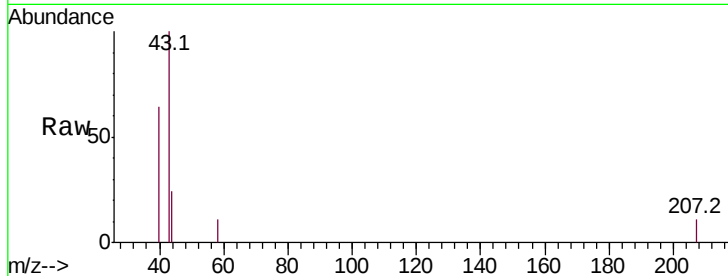
BU-01-101420

Tot Ion: 43 Resp: 3745

Ion Ratio Lower Upper

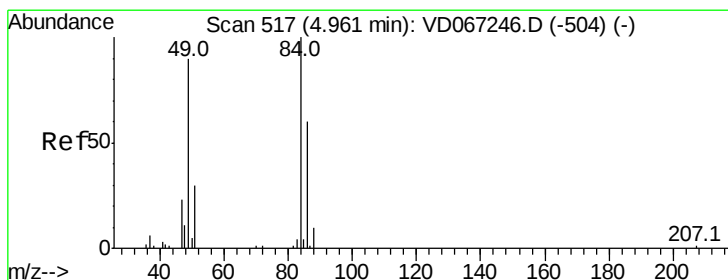
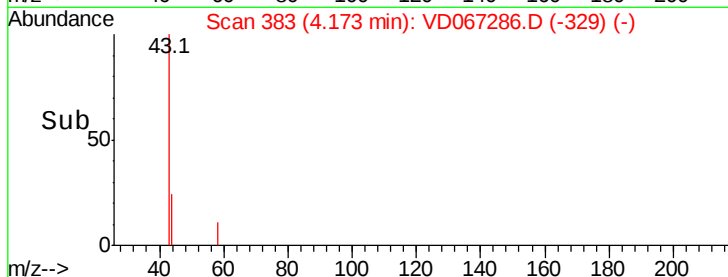
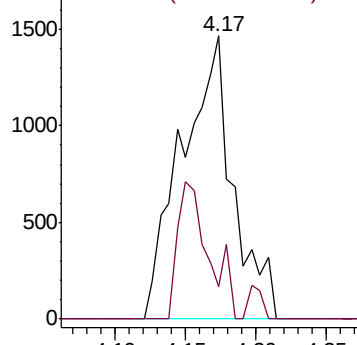
43 100

58 11.3 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.95 min Scan# 515

Delta R.T. -0.01 min

Lab File: VD067286.D

Acq: 15 Oct 2020 16:28

Tgt Ion: 84 Resp: 569

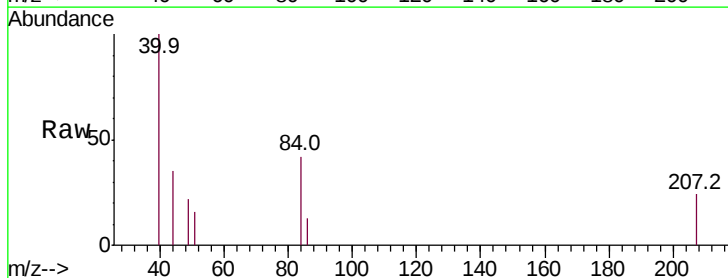
Ion Ratio Lower Upper

84 100

49 51.1 72.2 108.2#

51 37.8 23.8 35.8#

86 30.4 48.2 72.4#

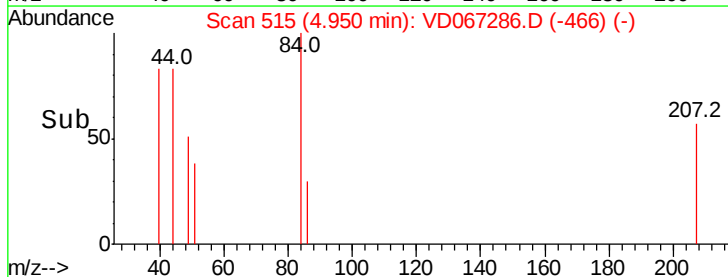
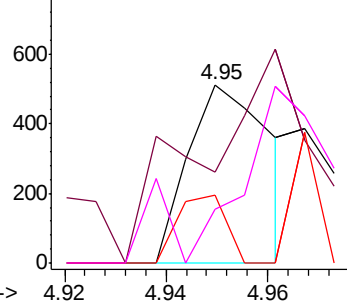


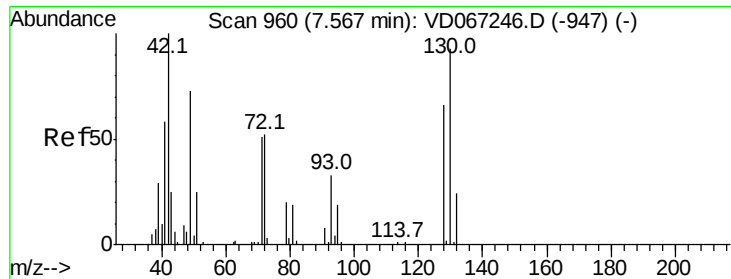
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

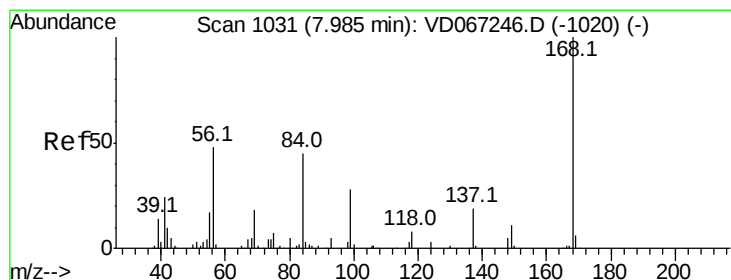
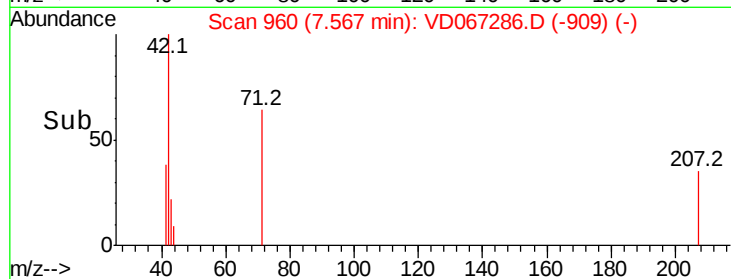
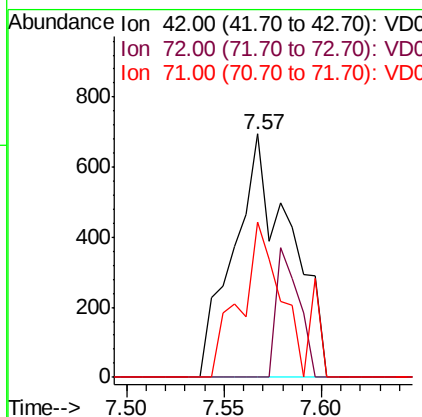
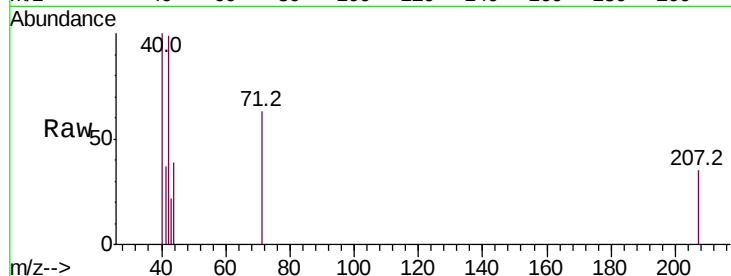




#29
Tetrahydrofuran
Concen: 4.955 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067286.D
Acq: 15 Oct 2020 16:28

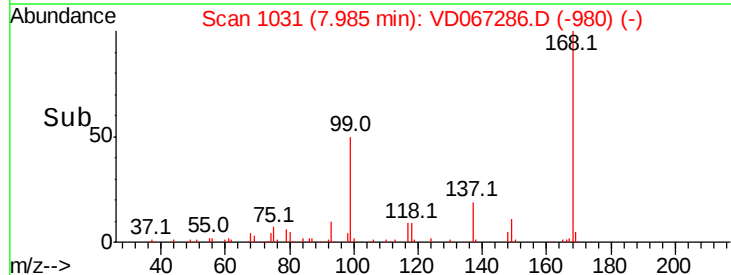
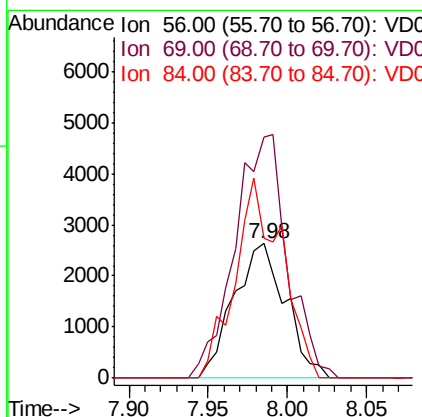
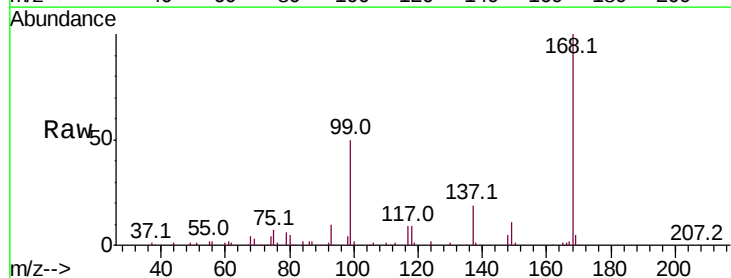
Instrument :
MSVOA_D
ClientSampleId :
BU-01-101420

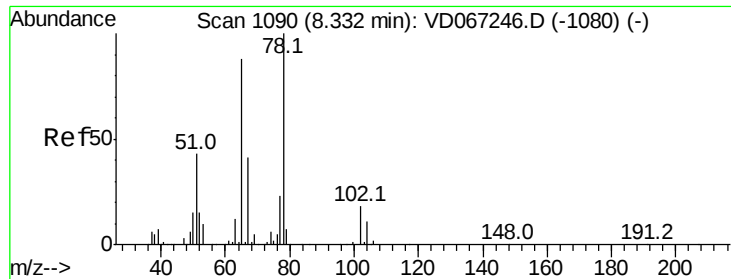
Tot Ion: 42 Resp: 1385
Ion Ratio Lower Upper
42 100
72 21.2 43.2 64.8#
71 45.2 39.4 59.0



#31
Cyclohexane
Concen: 1.643 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067286.D
Acq: 15 Oct 2020 16:28

Tgt Ion: 56 Resp: 5960
Ion Ratio Lower Upper
56 100
69 179.3 29.8 44.6#
84 103.9 76.6 114.8





#33

1,2-Dichloroethane-d4

Concen: 56.129 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067286.D

Acq: 15 Oct 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

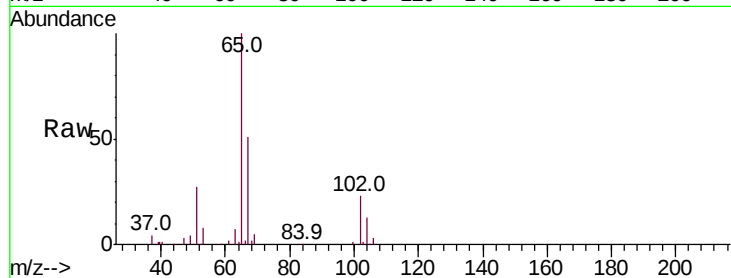
BU-01-101420

Tot Ion: 65 Resp: 176795

Ion Ratio Lower Upper

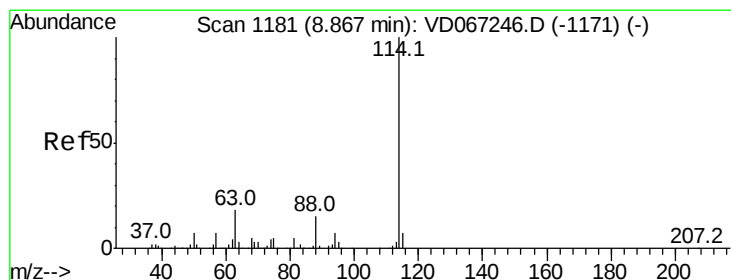
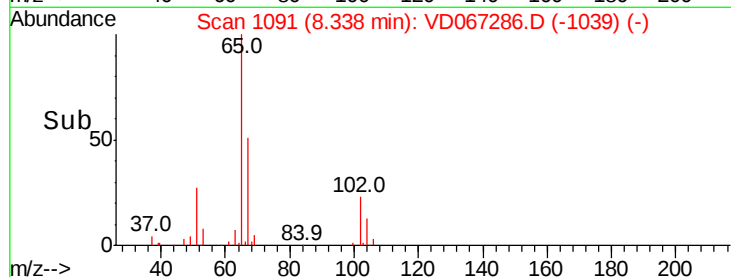
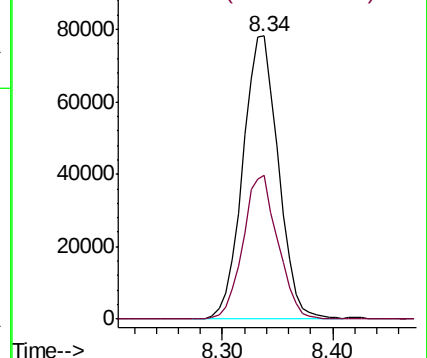
65 100

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: VD067286.D

Acq: 15 Oct 2020 16:28

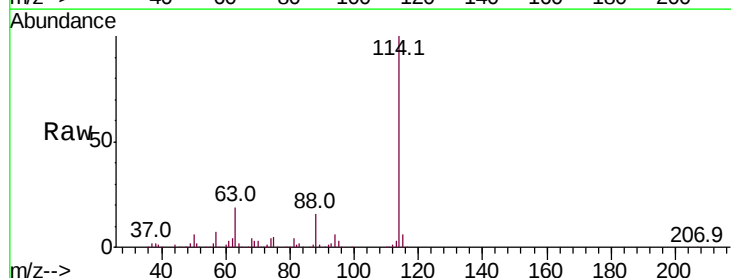
Tgt Ion:114 Resp: 530922

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.0

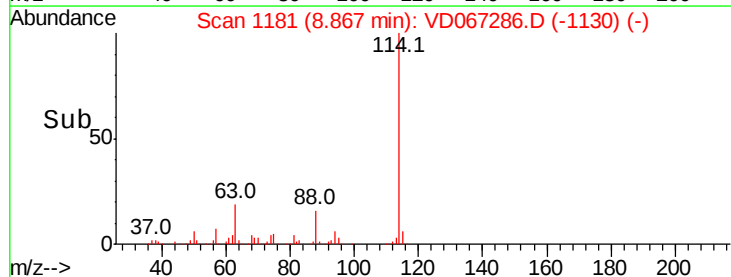
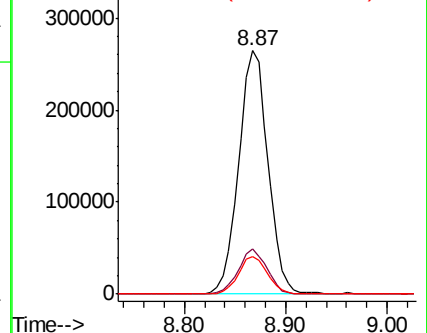
88 15.5 0.0 30.6

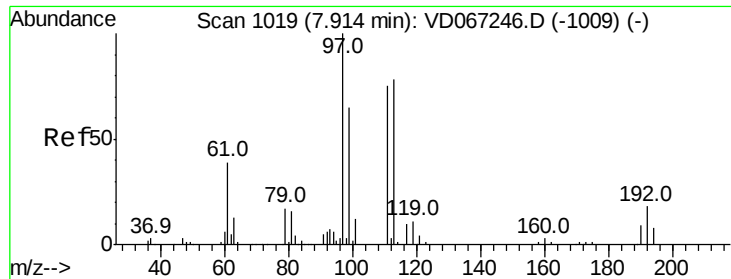


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

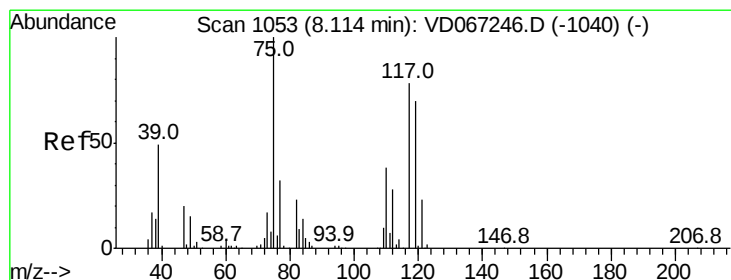
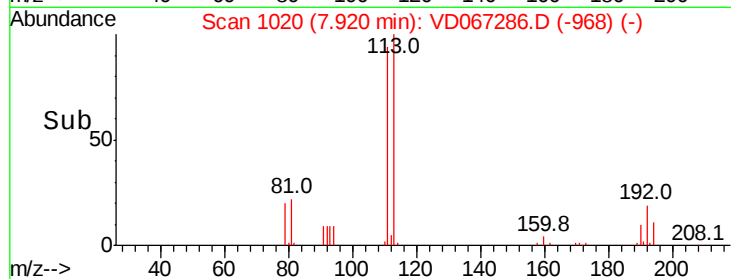
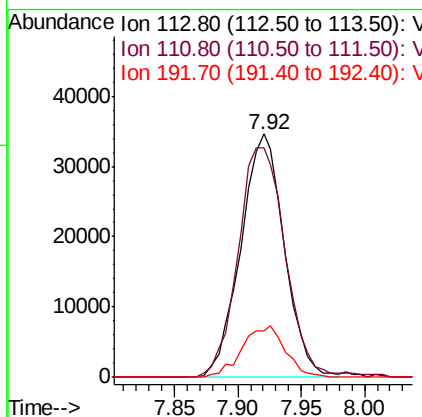
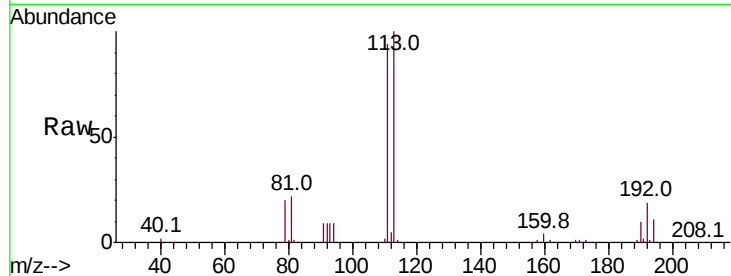




#35
 Dibromofluoromethane
 Concen: 23.426 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067286.D
 Acq: 15 Oct 2020 16:28

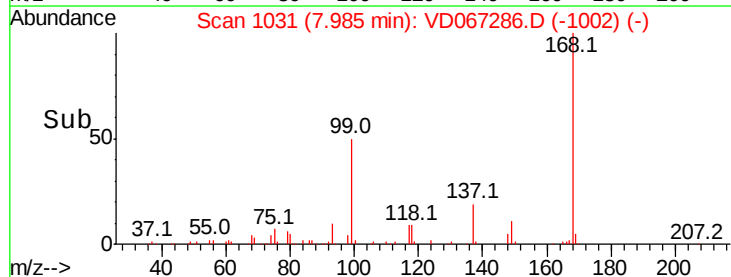
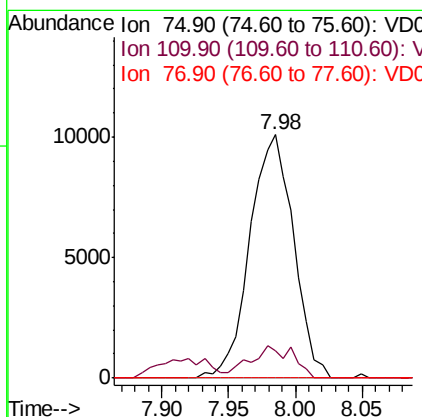
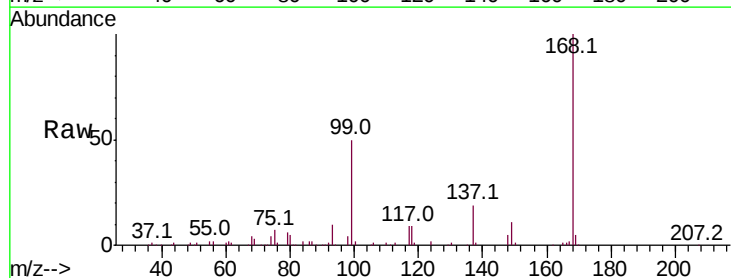
Instrument :
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 BU-01-101420

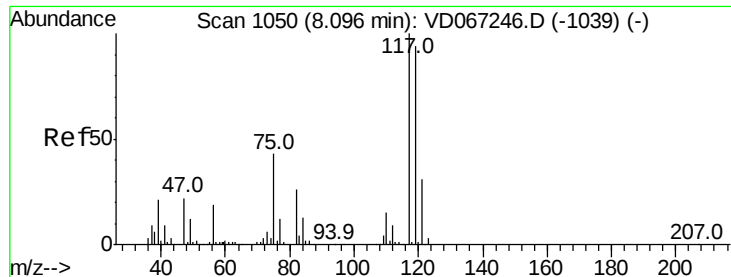
Tot Ion:113 Resp: 82770
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.6 122.4
 192 21.0 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 5.081 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067286.D
 Acq: 15 Oct 2020 16:28

Tgt Ion: 75 Resp: 22866
 Ion Ratio Lower Upper
 75 100
 110 13.1 19.6 58.7#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.637 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067286.D

Acq: 15 Oct 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

BU-01-101420

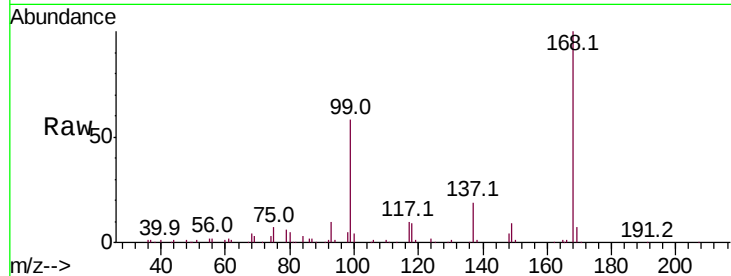
Tot Ion:117 Resp: 32420

Ion Ratio Lower Upper

117 100

119 6.7 75.0 112.4#

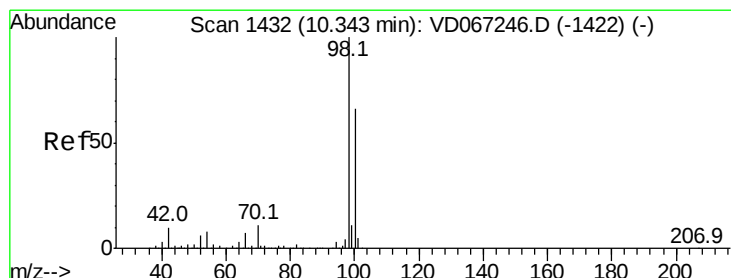
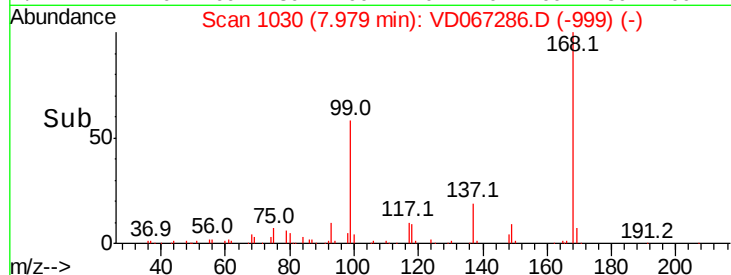
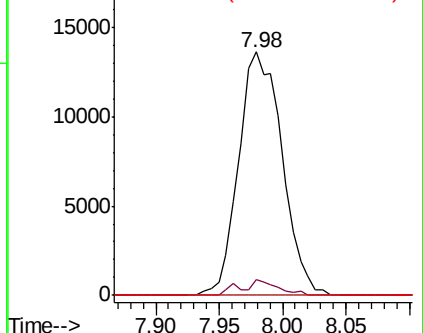
121 0.0 24.9 37.3#



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: 49.583 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067286.D

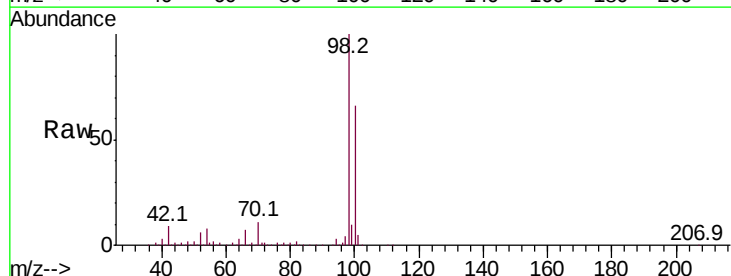
Acq: 15 Oct 2020 16:28

Tgt Ion: 98 Resp: 633997

Ion Ratio Lower Upper

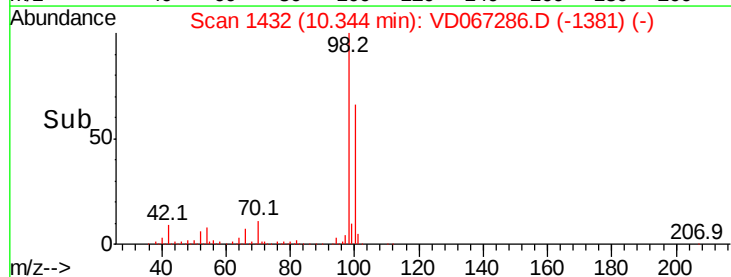
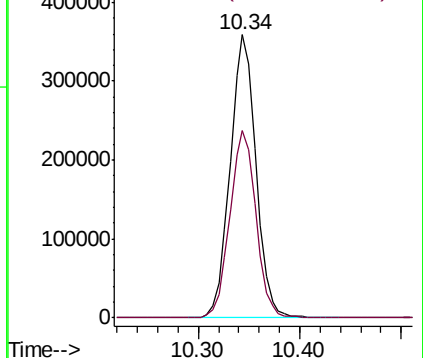
98 100

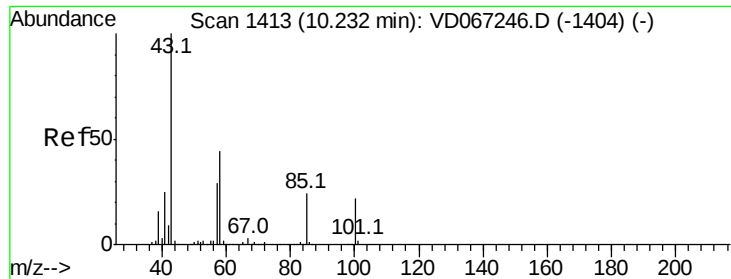
100 66.8 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.963 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.12 min

Lab File: VD067286.D

Acq: 15 Oct 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

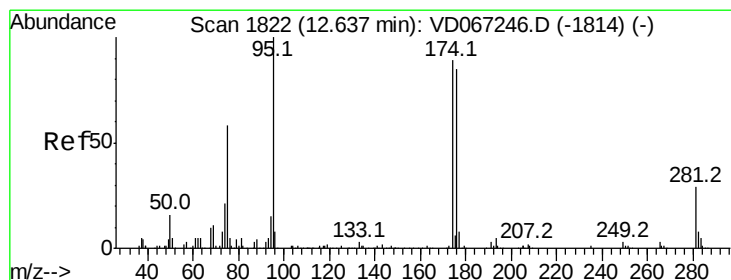
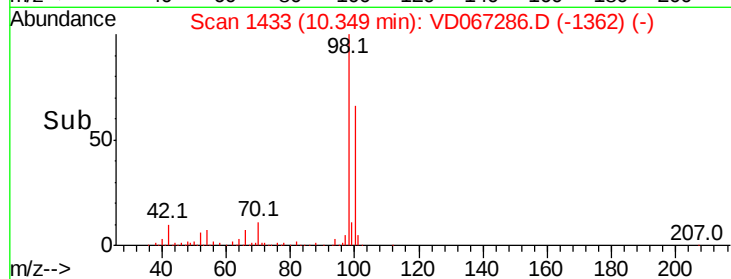
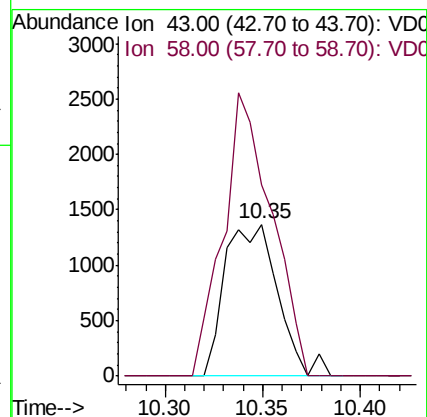
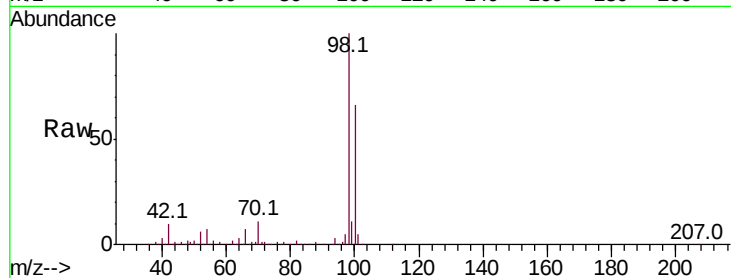
BU-01-101420

Tot Ion: 43 Resp: 2572

Ion Ratio Lower Upper

43 100

58 170.9 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 48.628 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067286.D

Acq: 15 Oct 2020 16:28

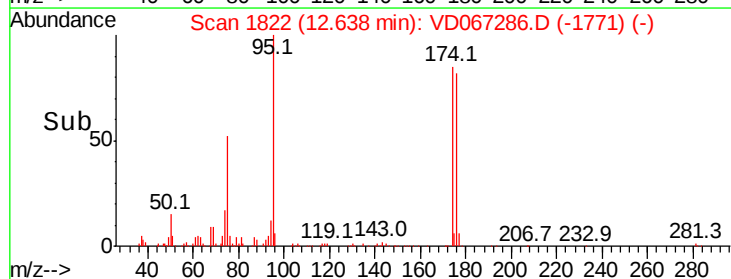
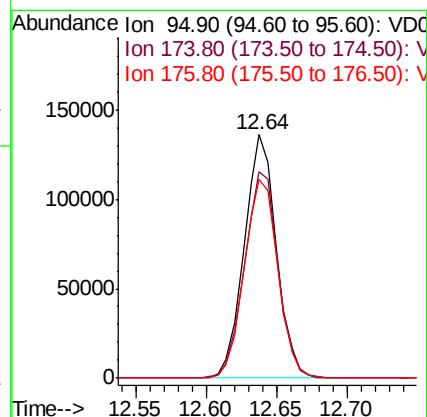
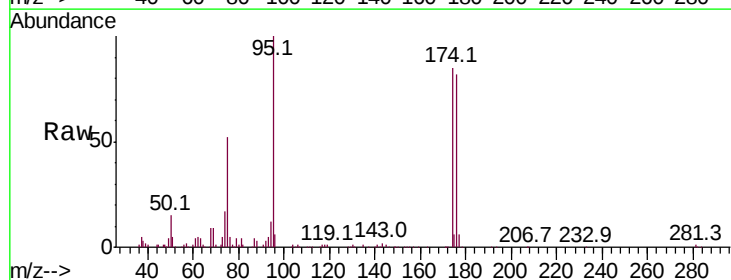
Tgt Ion: 95 Resp: 216210

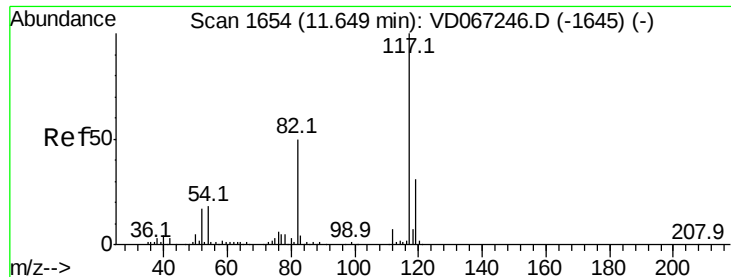
Ion Ratio Lower Upper

95 100

174 88.5 0.0 175.2

176 85.9 0.0 168.6

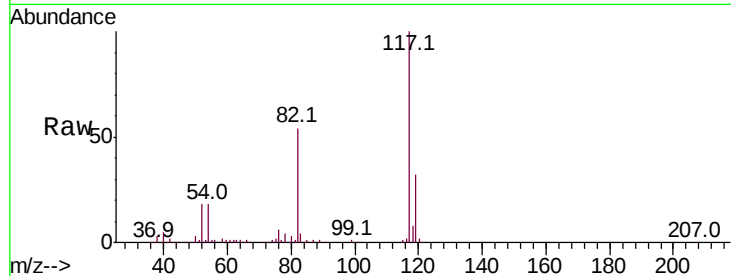




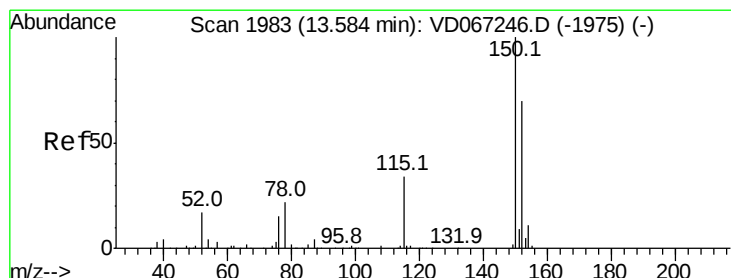
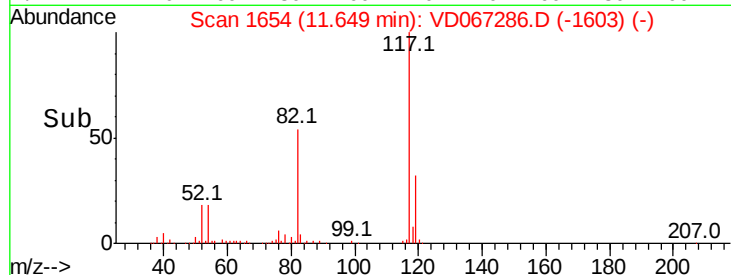
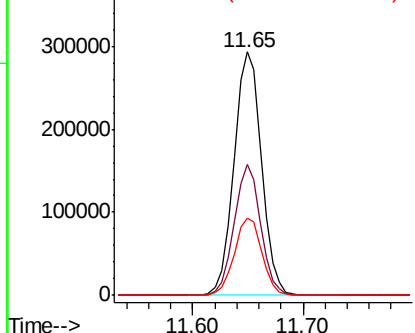
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067286.D
Acq: 15 Oct 2020 16:28

Instrument :
MSVOA_D
ClientSampleId :
BU-01-101420

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	39.9	59.9
119	31.6	24.9	37.3

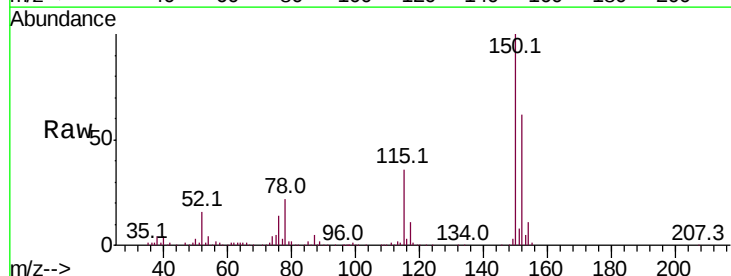


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

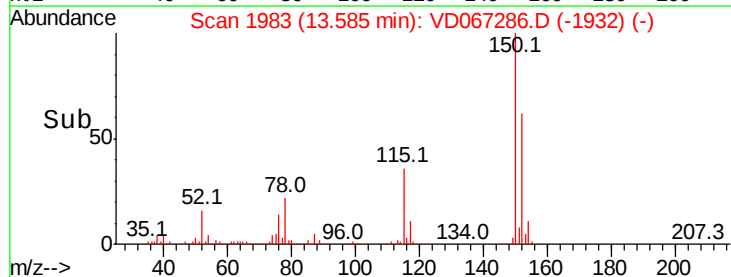
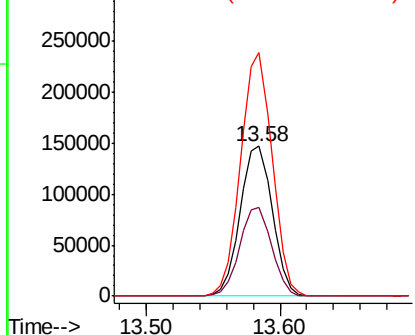


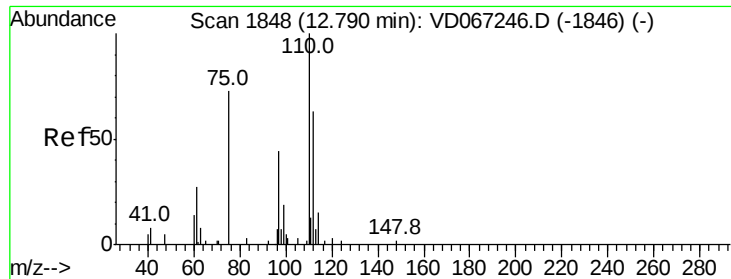
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067286.D
Acq: 15 Oct 2020 16:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.3	87.9
150	158.6	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: 65.891 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

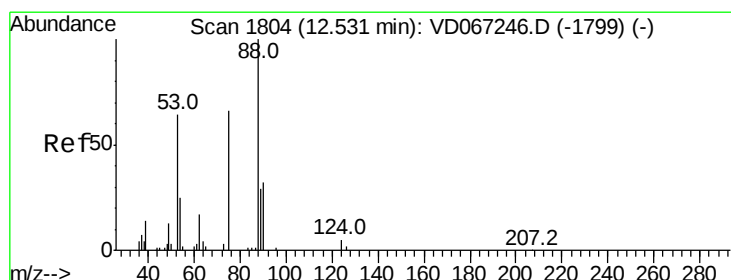
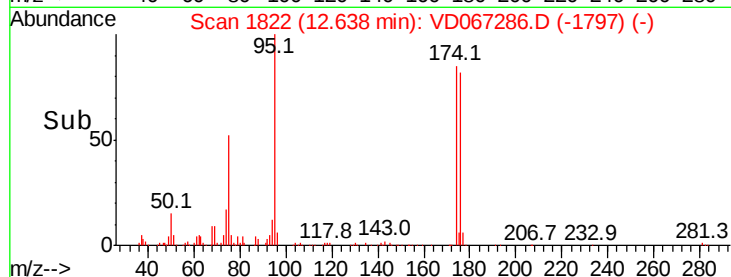
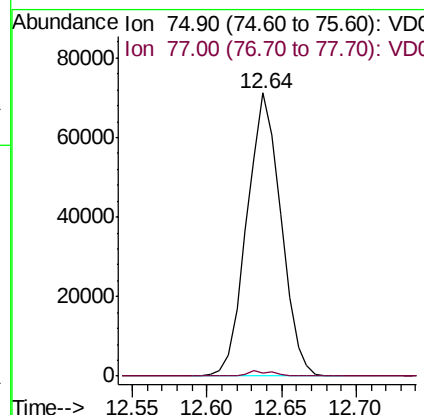
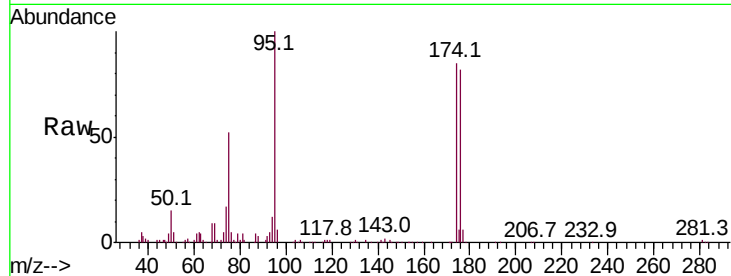
Lab File: VD067286.D

Acq: 15 Oct 2020 16:28

Instrument :
MSVOA_D
ClientSampleId :
BU-01-101420

Tot Ion: 75 Resp: 112349

Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 149.421 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067286.D

Acq: 15 Oct 2020 16:28

Tgt Ion: 75 Resp: 112349

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

