

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102220\
 Data File : VD067365.D
 Acq On : 22 Oct 2020 16:34
 Operator : VA/SY
 Sample : L4491-03
 Misc : 6.44G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-3

Quant Time: Oct 23 06:09:46 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	320343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	519287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	502738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	251572	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	158366	49.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.70%	
35) Dibromofluoromethane	7.92	113	166971	48.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.64%	
50) Toluene-d8	10.34	98	621654	49.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.64	95	213253	49.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.08%	

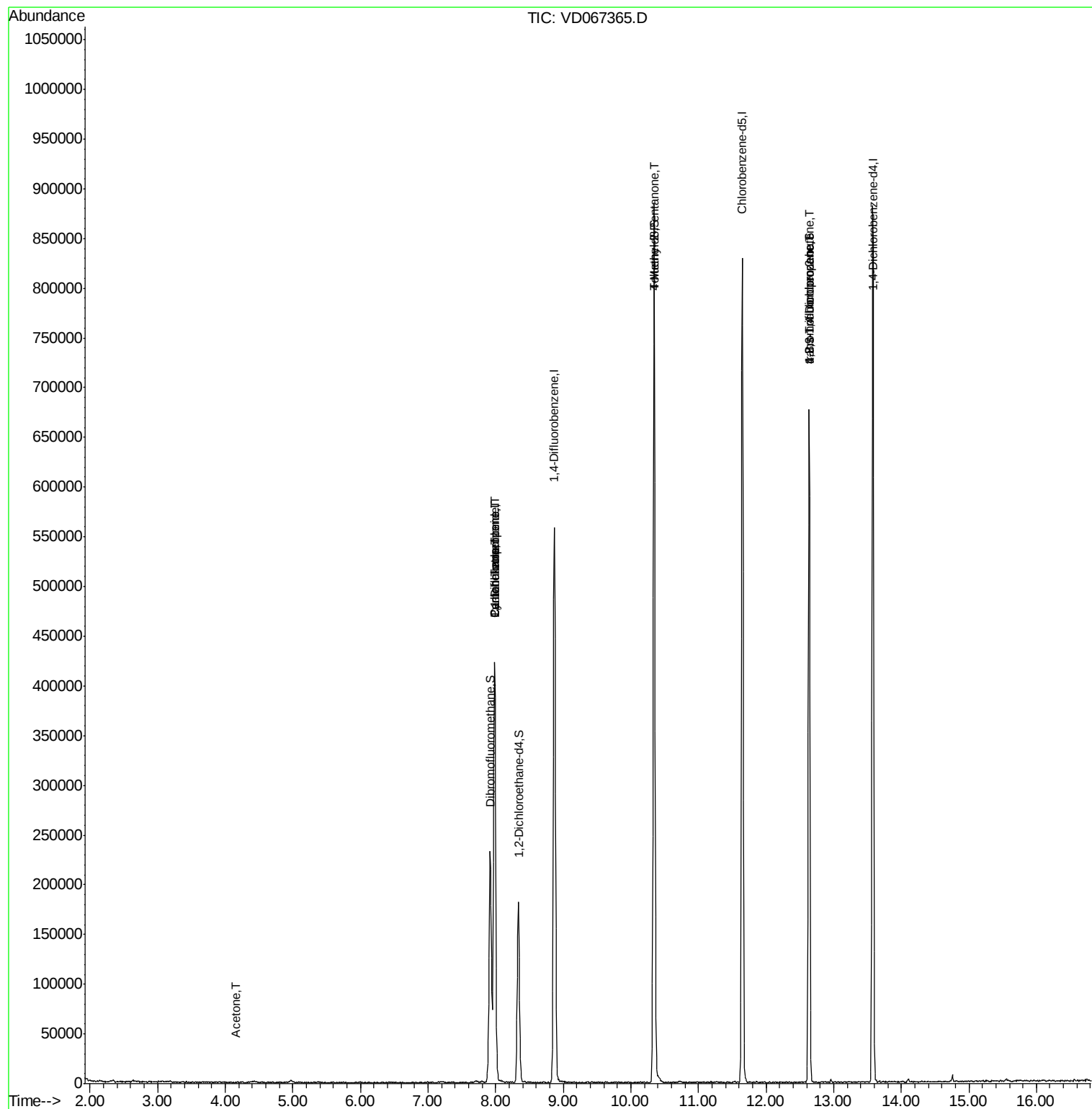
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	97	Below Cal	#	44
5) Bromomethane	2.78	94	64	Below Cal	#	3
16) Acetone	4.16	43	457	1.017	ug/l #	42
20) Methylene Chloride	4.96	84	1131	Below Cal	#	72
31) Cyclohexane	7.98	56	6337	1.714	ug/l #	41
36) 1,1-Dichloropropene	7.98	75	21626	4.914	ug/l #	50
38) Carbon Tetrachloride	7.98	117	33208	5.903	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	2371	1.850	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	112742	64.659	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	112742	146.628	ug/l #	10

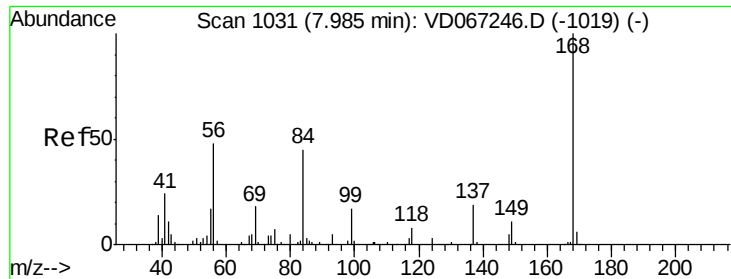
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 19 19:13:29 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067365.D

Acq: 22 Oct 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

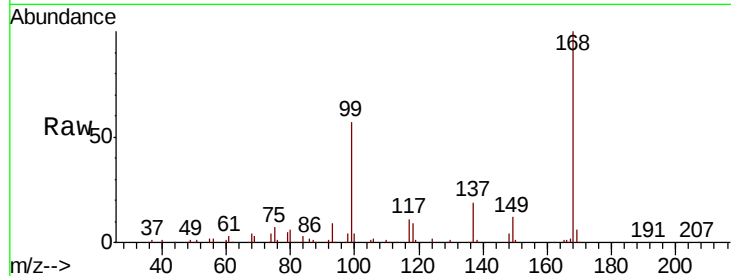
COMP-3

Tot Ion:168 Resp: 320343

Ion Ratio Lower Upper

168 100

99 56.8 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

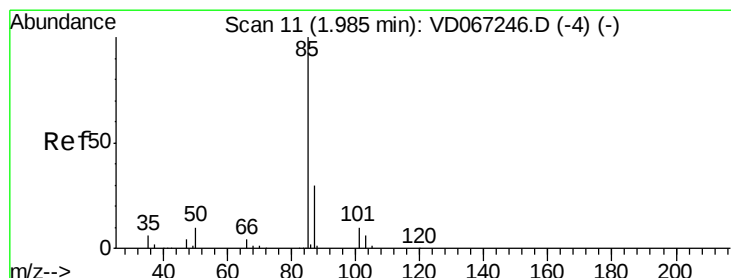
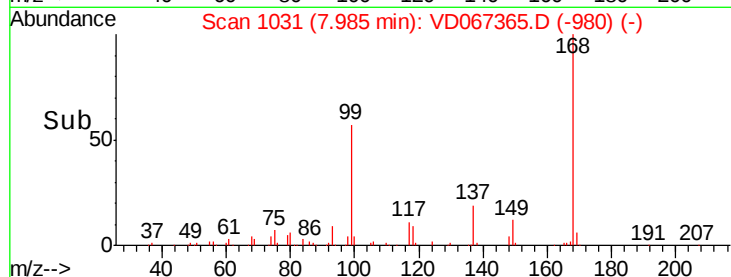
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067365.D

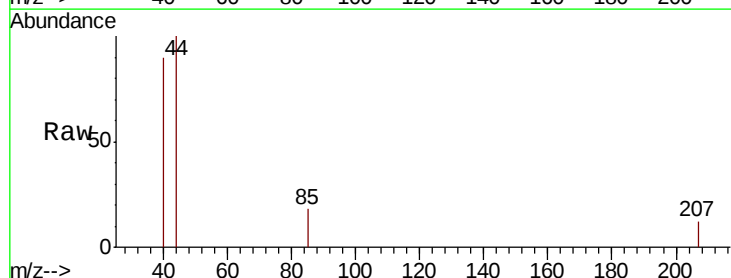
Acq: 22 Oct 2020 16:34

Tgt Ion: 85 Resp: 97

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

250

200

150

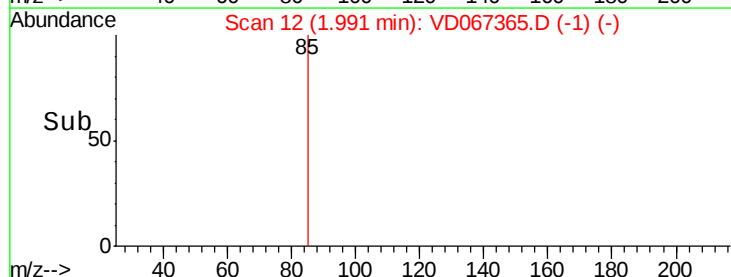
100

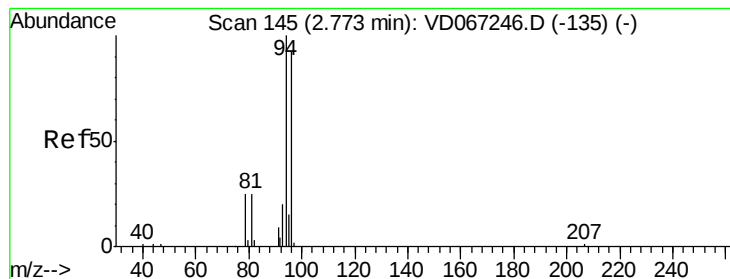
50

0

1.97 1.98 1.99 2.00 2.01

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067365.D

Acq: 22 Oct 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

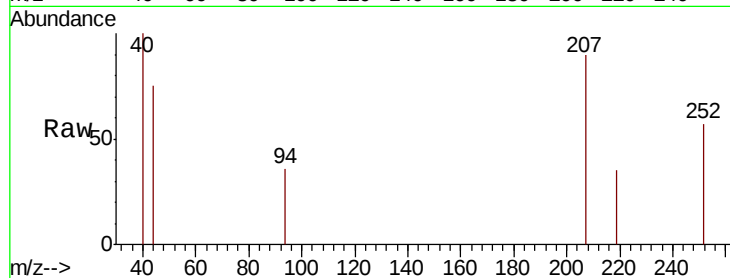
COMP-3

Tot Ion: 94 Resp: 64

Ion Ratio Lower Upper

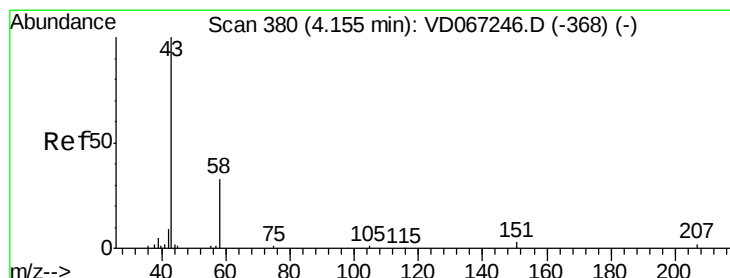
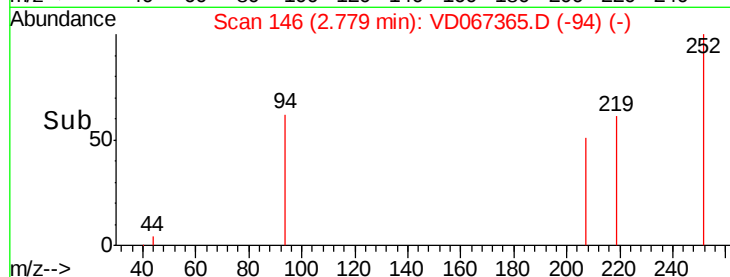
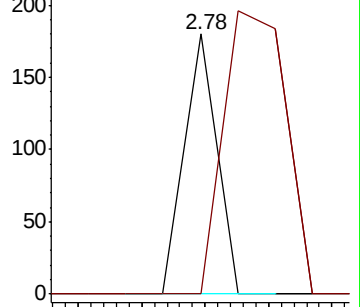
94 100

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: 1.017 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067365.D

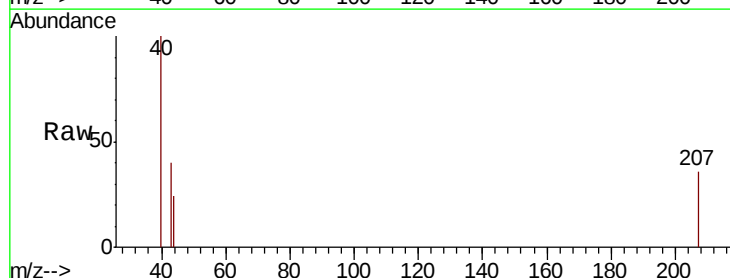
Acq: 22 Oct 2020 16:34

Tgt Ion: 43 Resp: 457

Ion Ratio Lower Upper

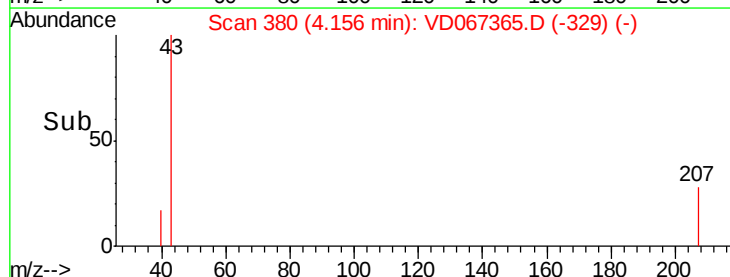
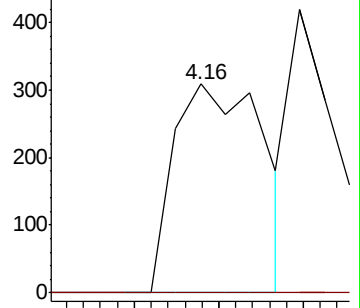
43 100

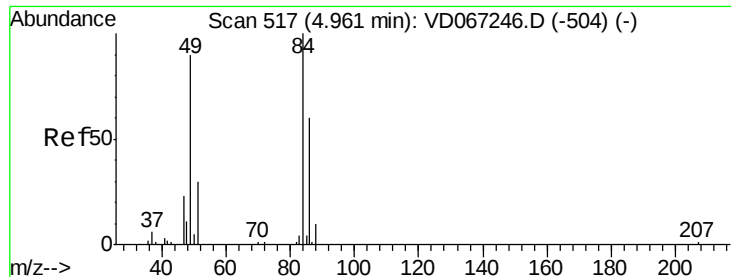
58 0.0 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

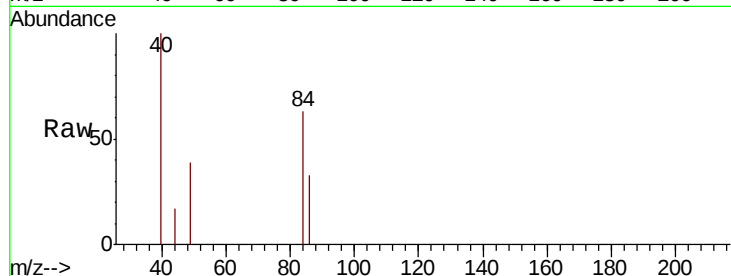




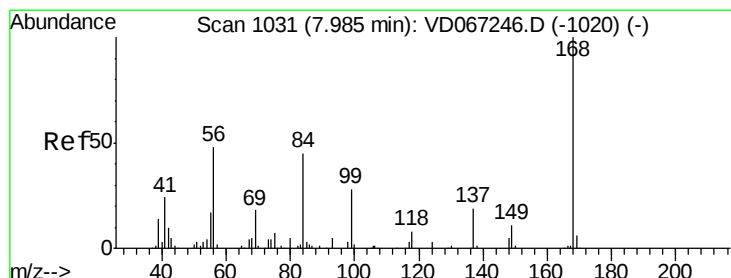
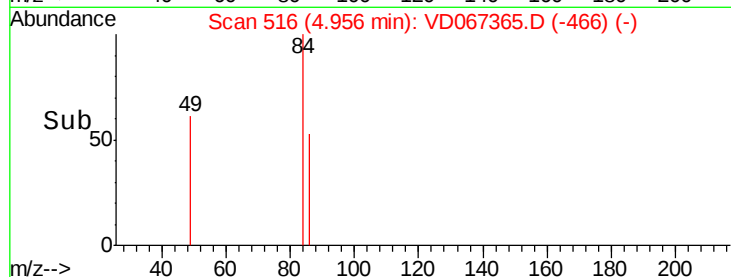
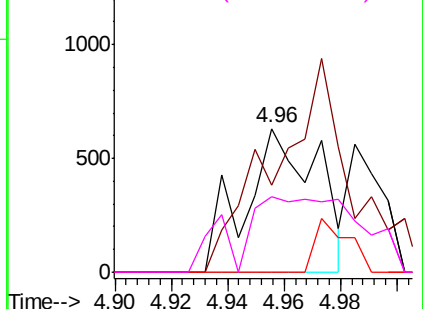
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD067365.D
Acq: 22 Oct 2020 16:34

Instrument :
MSVOA_D
ClientSampled :
COMP-3

Tot Ion: 84 Resp: 1131
Ion Ratio Lower Upper
84 100
49 61.1 72.2 108.2#
51 0.0 23.8 35.8#
86 52.9 48.2 72.4

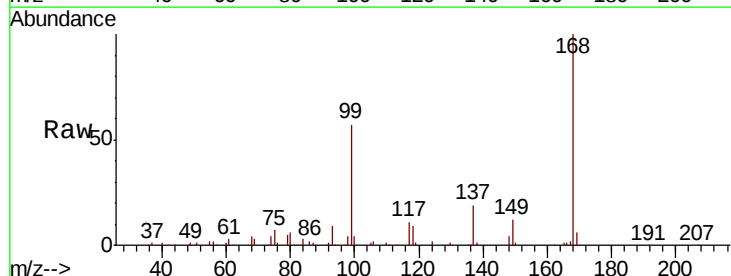


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

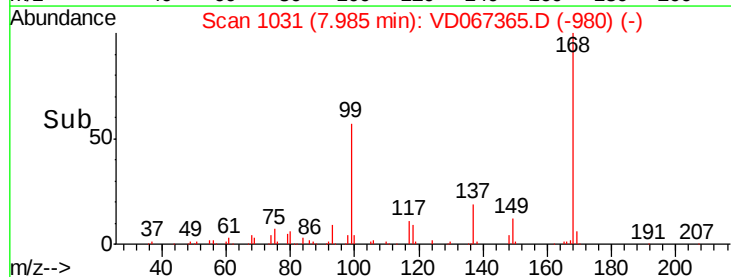
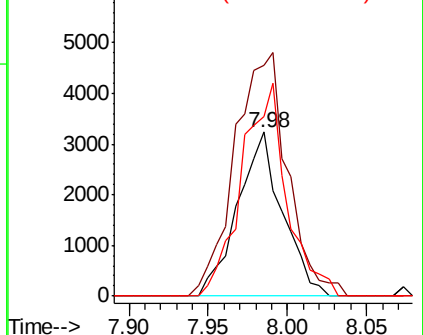


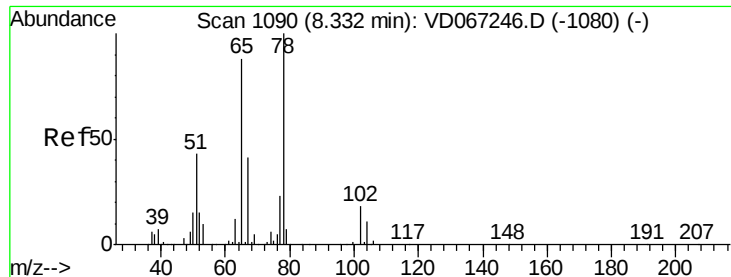
#31
Cyclohexane
Concen: 1.714 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067365.D
Acq: 22 Oct 2020 16:34

Tgt Ion: 56 Resp: 6337
Ion Ratio Lower Upper
56 100
69 140.8 29.8 44.6#
84 109.9 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: 49.345 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067365.D

Acq: 22 Oct 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

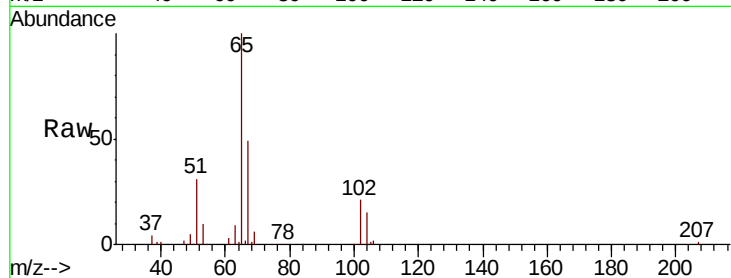
COMP-3

Tot Ion: 65 Resp: 158366

Ion Ratio Lower Upper

65 100

67 50.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

80000

60000

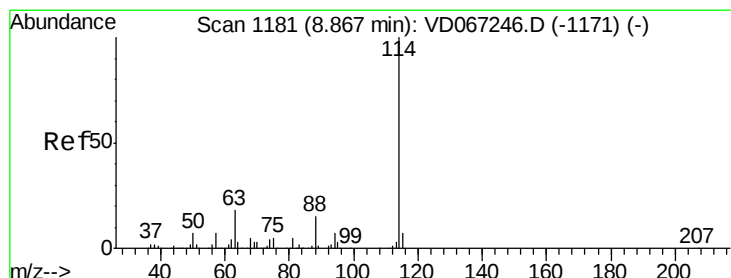
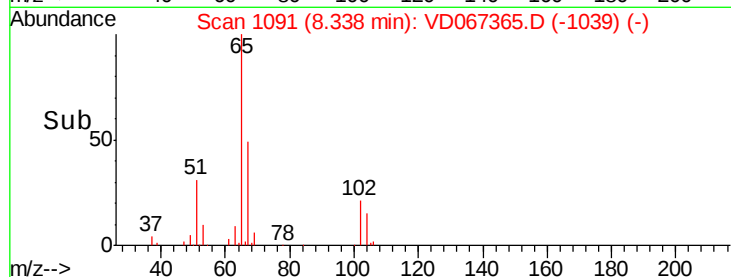
40000

20000

0

8.20 8.30 8.40 8.50

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD067365.D

Acq: 22 Oct 2020 16:34

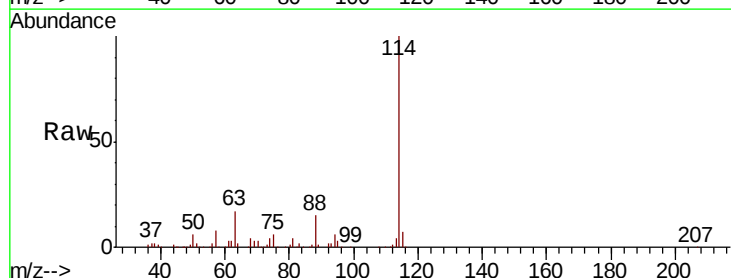
Tgt Ion: 114 Resp: 519287

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.0

88 14.8 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

8.87

300000

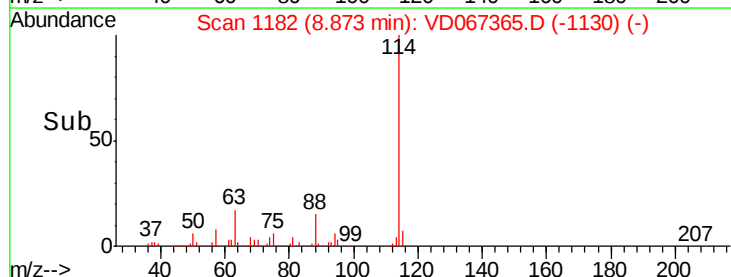
200000

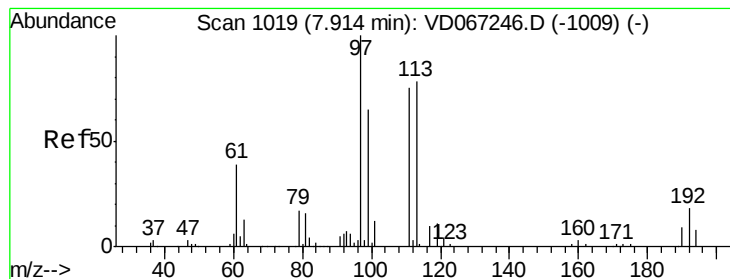
100000

0

8.80 8.90 9.00

Time-->





#35

Dibromofluoromethane

Concen: 48.315 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067365.D

Acq: 22 Oct 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

COMP-3

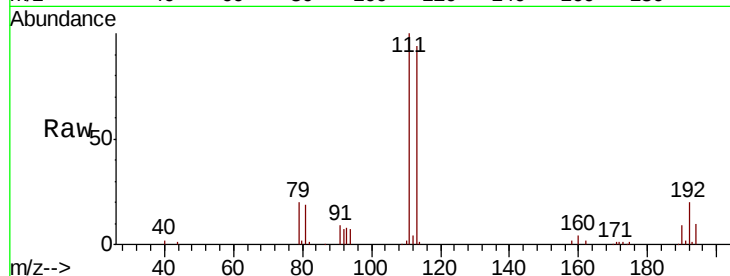
Tot Ion:113 Resp: 166971

Ion Ratio Lower Upper

113 100

111 101.1 81.6 122.4

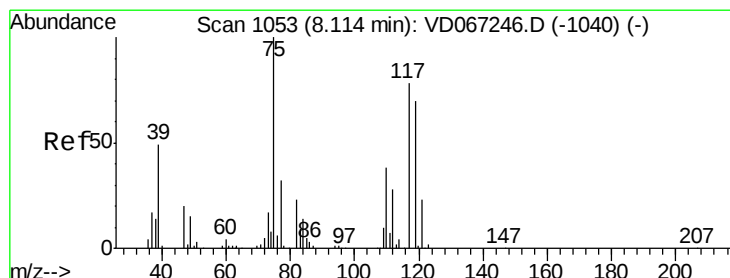
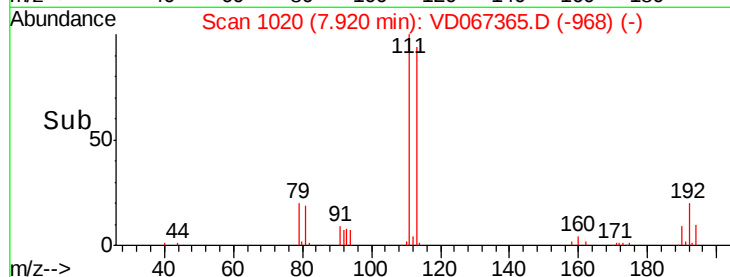
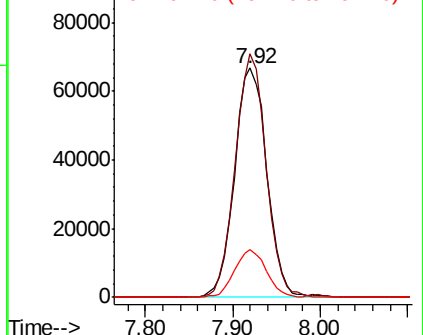
192 20.4 17.0 25.4



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: 4.914 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067365.D

Acq: 22 Oct 2020 16:34

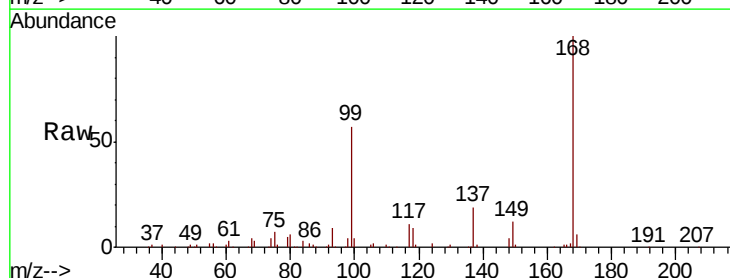
Tgt Ion: 75 Resp: 21626

Ion Ratio Lower Upper

75 100

110 11.7 19.6 58.7#

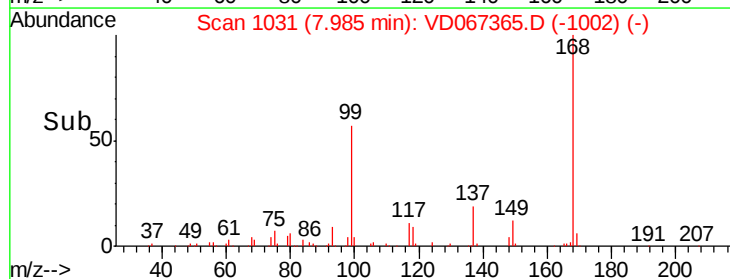
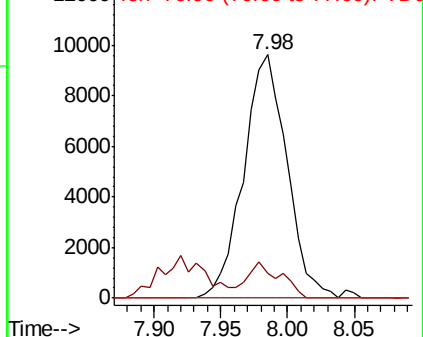
77 0.0 24.6 37.0#

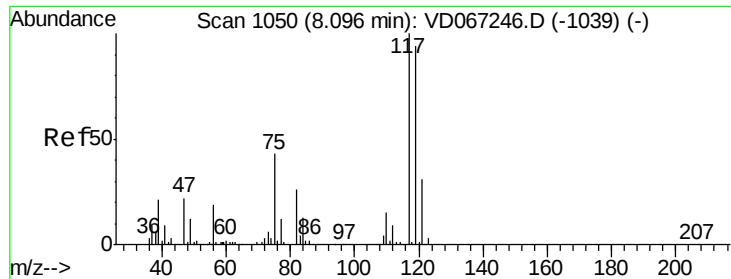


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

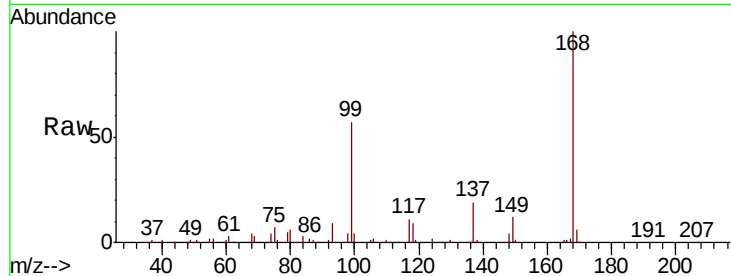




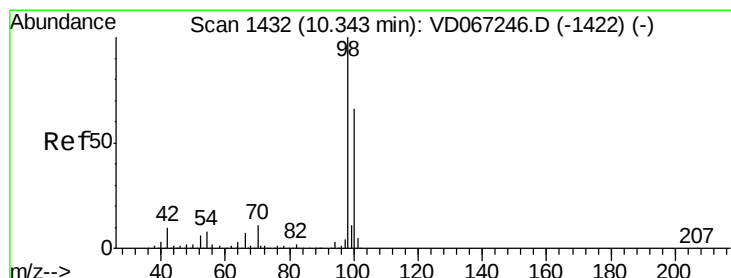
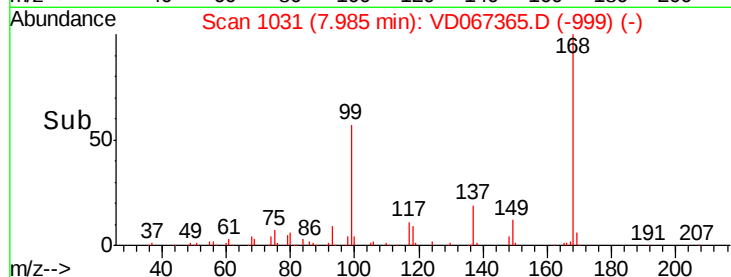
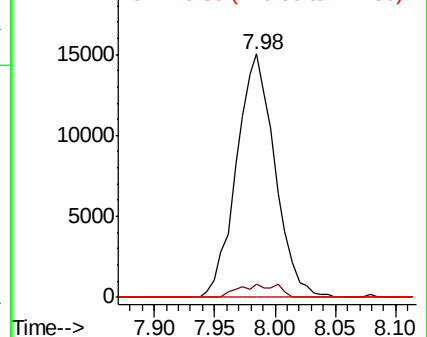
#38
Carbon Tetrachloride
Concen: 5.903 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD067365.D
Acq: 22 Oct 2020 16:34

Instrument :
MSVOA_D
ClientSampleId :
COMP-3

Tot Ion:117 Resp: 33208
Ion Ratio Lower Upper
117 100
119 5.5 75.0 112.4#
121 0.0 24.9 37.3#

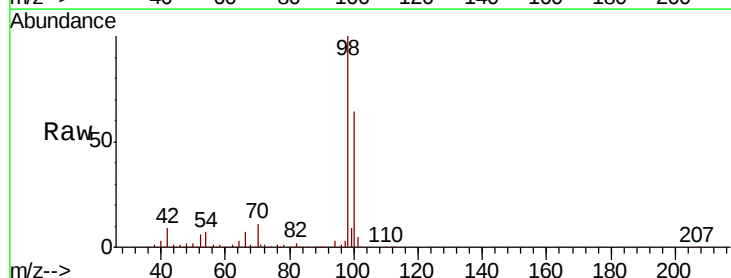


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

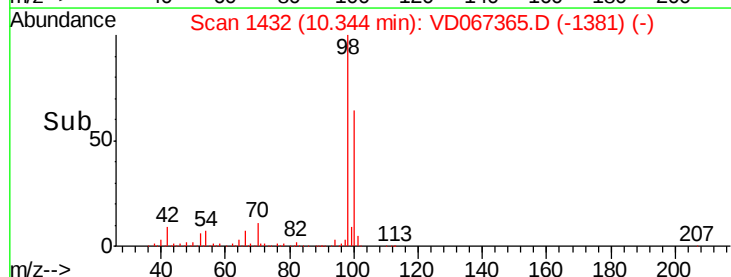
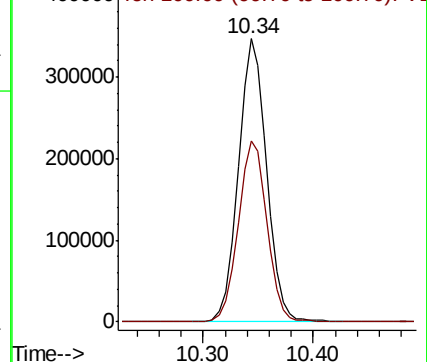


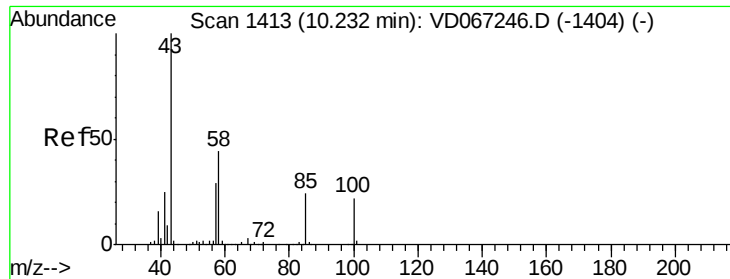
#50
Toluene-d8
Concen: 49.707 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067365.D
Acq: 22 Oct 2020 16:34

Tgt Ion: 98 Resp: 621654
Ion Ratio Lower Upper
98 100
100 65.4 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: 1.850 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067365.D

Acq: 22 Oct 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

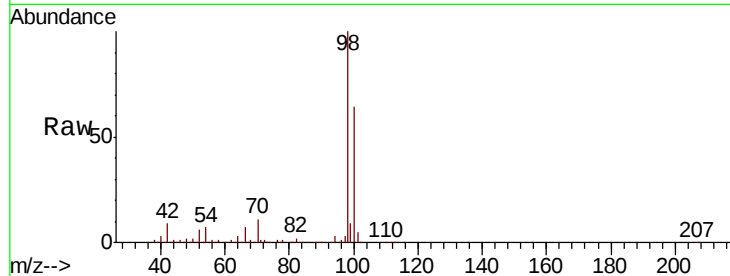
COMP-3

Tot Ion: 43 Resp: 2371

Ion Ratio Lower Upper

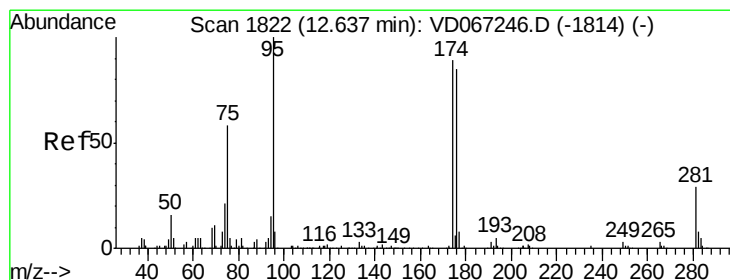
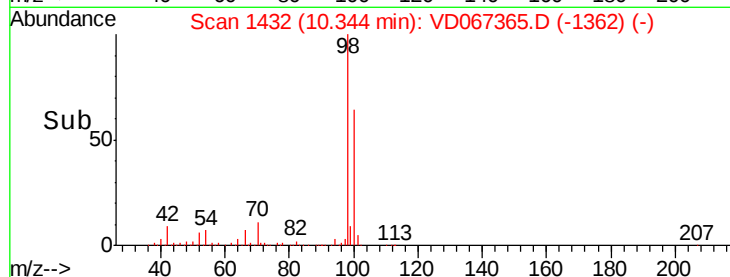
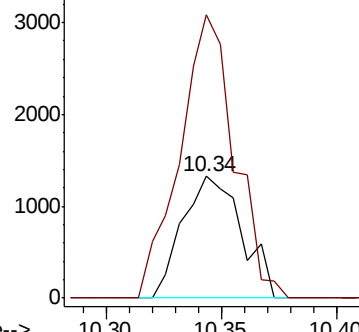
43 100

58 215.0 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: 49.038 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067365.D

Acq: 22 Oct 2020 16:34

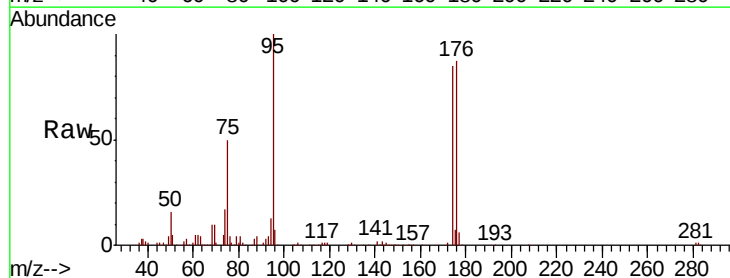
Tgt Ion: 95 Resp: 213253

Ion Ratio Lower Upper

95 100

174 88.3 0.0 175.2

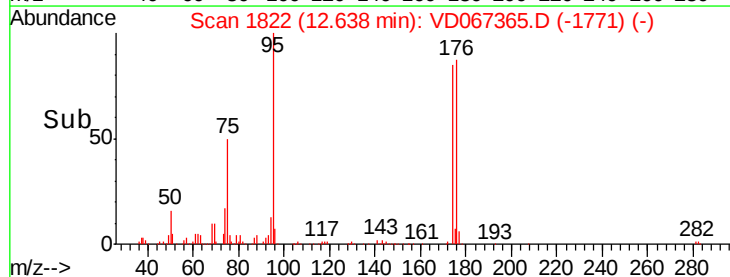
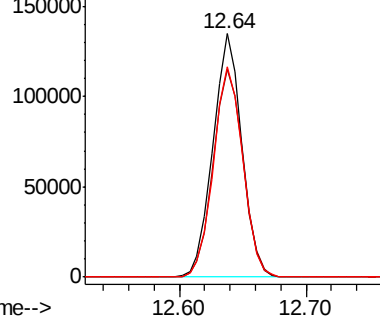
176 87.7 0.0 168.6

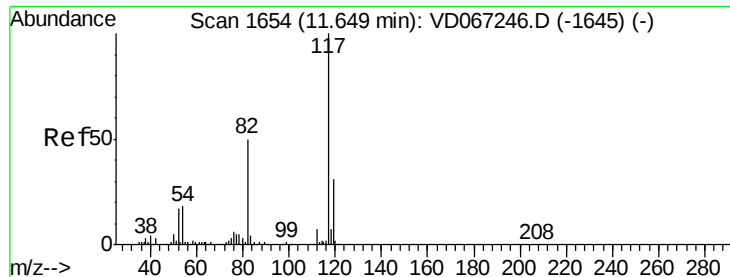


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

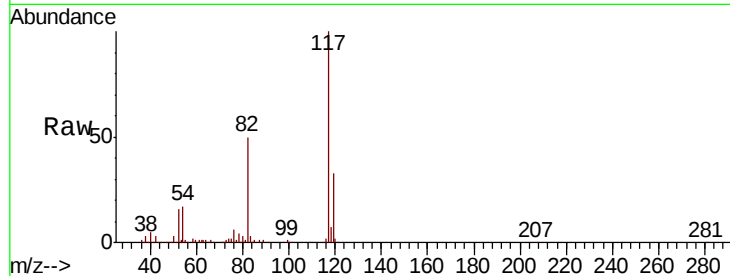




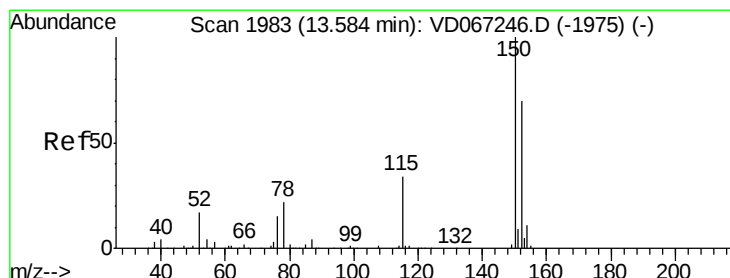
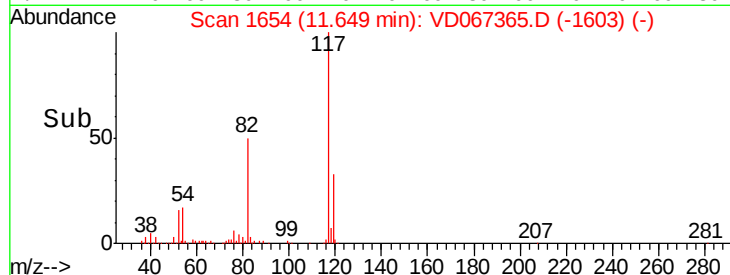
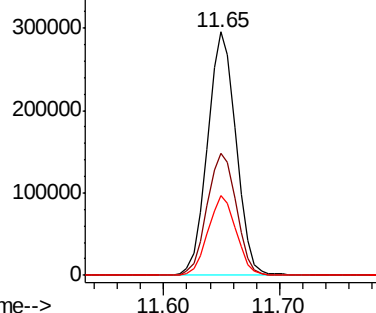
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067365.D
Acq: 22 Oct 2020 16:34

Instrument :
MSVOA_D
ClientSampleId :
COMP-3

Tot Ion:117 Resp: 502738
Ion Ratio Lower Upper
117 100
82 50.0 39.9 59.9
119 32.9 24.9 37.3

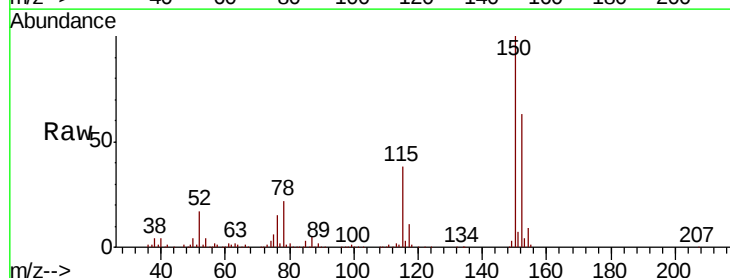


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

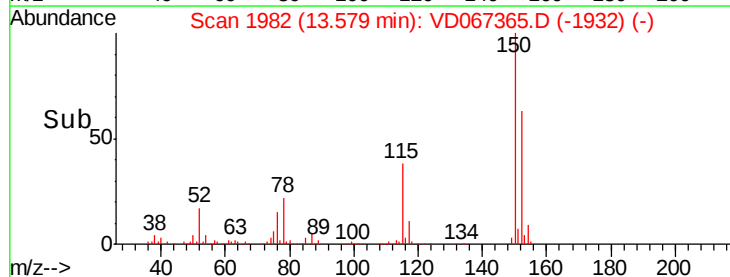
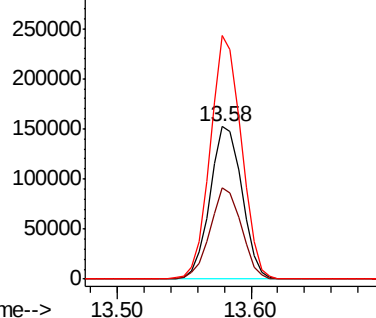


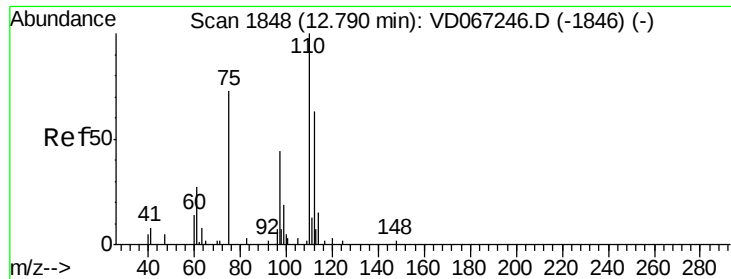
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067365.D
Acq: 22 Oct 2020 16:34

Tgt Ion:152 Resp: 251572
Ion Ratio Lower Upper
152 100
115 58.6 29.3 87.9
150 154.8 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

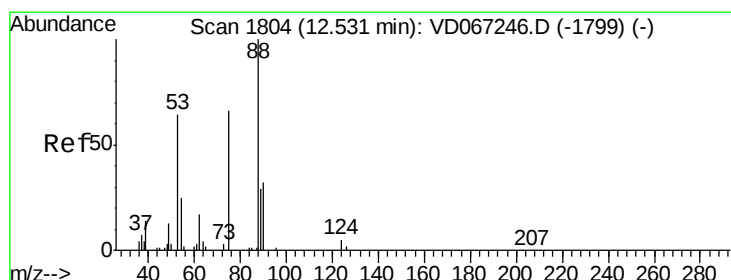
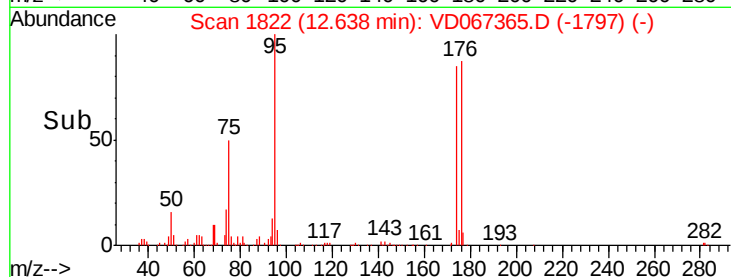
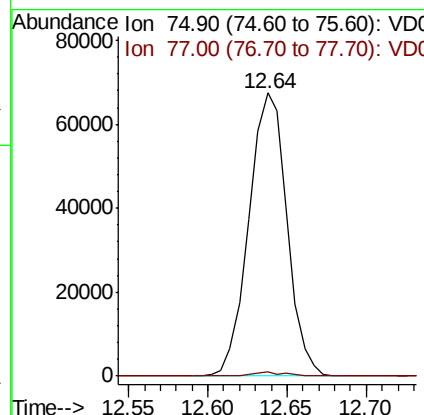
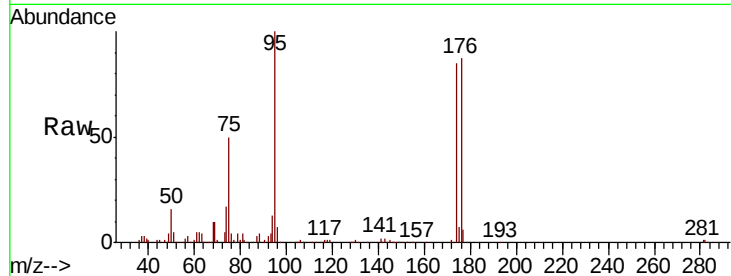




#76
 1,2,3-Trichloropropane
 Concen: 64.659 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067365.D
 Acq: 22 Oct 2020 16:34

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-3

Tot Ion: 75 Resp: 112742
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.628 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067365.D
 Acq: 22 Oct 2020 16:34

Tgt Ion: 75 Resp: 112742
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.0 39.9 59.9#

