

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102920\
 Data File : VD067452.D
 Acq On : 29 Oct 2020 15:19
 Operator : VA/SY
 Sample : L4560-01
 Misc : 5.36G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC1-SO-0001

Quant Time: Oct 30 02:28:14 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	26713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	39733	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	44076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	22524	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	18040	67.41	ug/l	0.00
Spiked Amount						
			Recovery	=	134.82%	
35) Dibromofluoromethane	7.92	113	15089	57.06	ug/l	0.00
Spiked Amount						
			Recovery	=	114.12%	
50) Toluene-d8	10.34	98	45828	47.89	ug/l	0.00
Spiked Amount						
			Recovery	=	95.78%	
62) 4-Bromofluorobenzene	12.64	95	18292	54.97	ug/l	0.00
Spiked Amount						
			Recovery	=	109.94%	

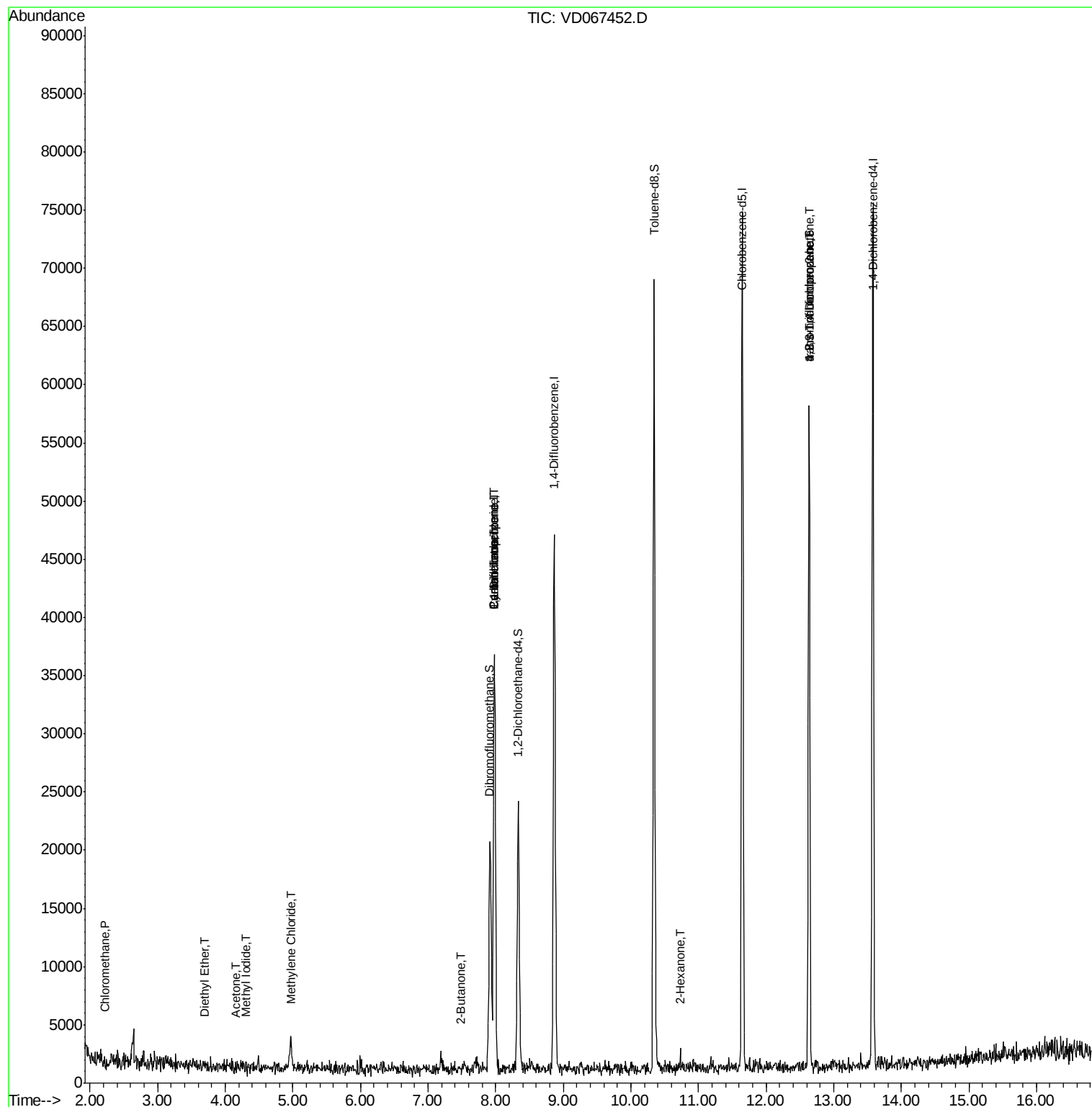
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	183	1.089	ug/l #	41
8) Diethyl Ether	3.70	74	153	1.439	ug/l #	12
10) Methyl Iodide	4.30	142	230	1.010	ug/l #	63
16) Acetone	4.16	43	210	5.603	ug/l #	42
20) Methylene Chloride	4.98	84	1465	1.773	ug/l #	56
25) 2-Butanone	7.48	43	61	1.428	ug/l #	45
31) Cyclohexane	7.98	56	713	2.313	ug/l #	55
36) 1,1-Dichloropropene	7.98	75	2044	6.070	ug/l #	39
38) Carbon Tetrachloride	7.98	117	2571	5.973	ug/l #	31
59) 2-Hexanone	10.73	43	83	1.239	ug/l #	22
76) 1,2,3-Trichloropropane	12.64	75	8886	56.920	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	8886	129.079	ug/l #	10

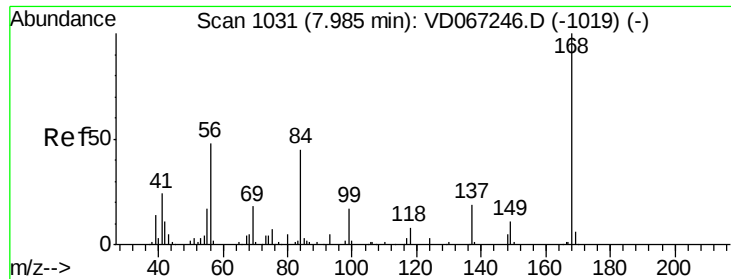
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102920\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067452.D

Acq: 29 Oct 2020 15:19

Instrument :

MSVOA_D

ClientSampleId :

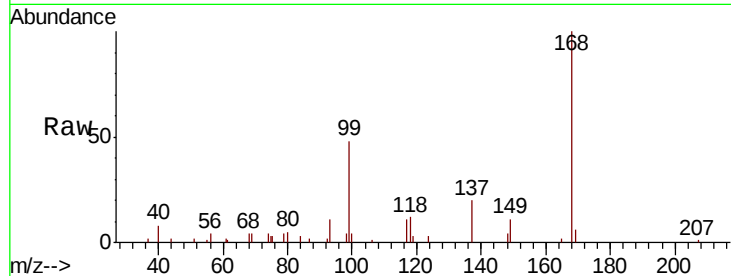
B308-B309-LOC1-SO-0001

Tot Ion:168 Resp: 26713

Ion Ratio Lower Upper

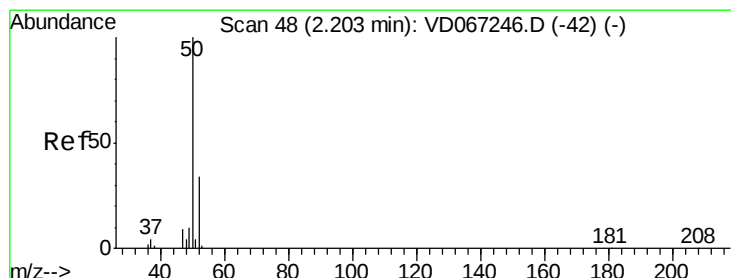
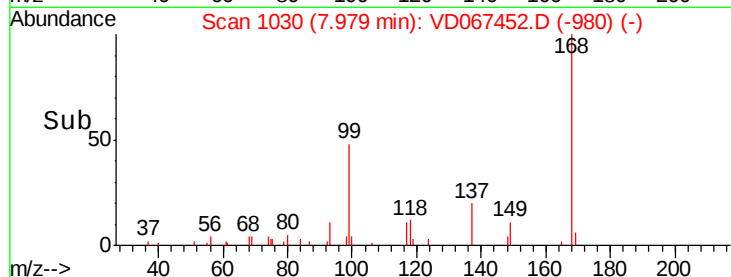
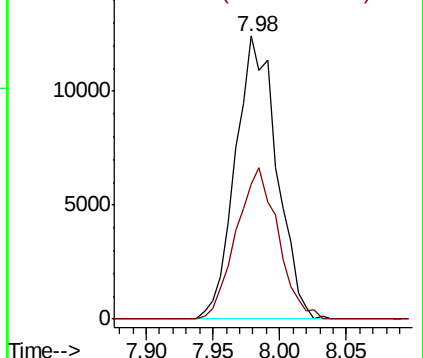
168 100

99 47.8 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: 1.089 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067452.D

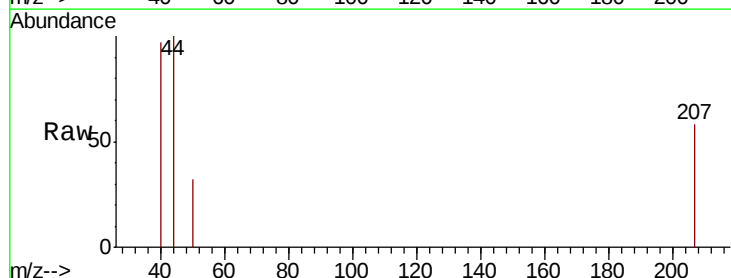
Acq: 29 Oct 2020 15:19

Tgt Ion: 50 Resp: 183

Ion Ratio Lower Upper

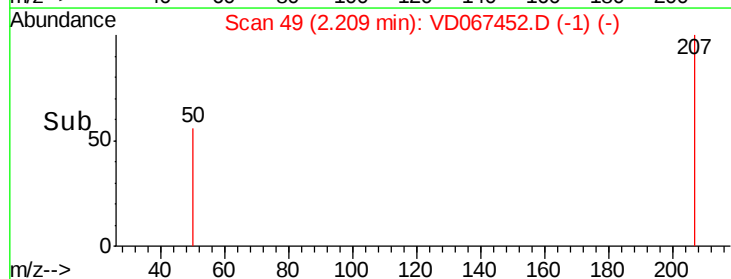
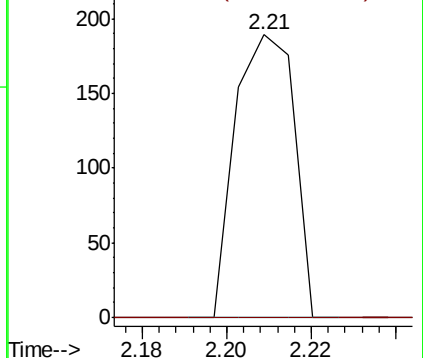
50 100

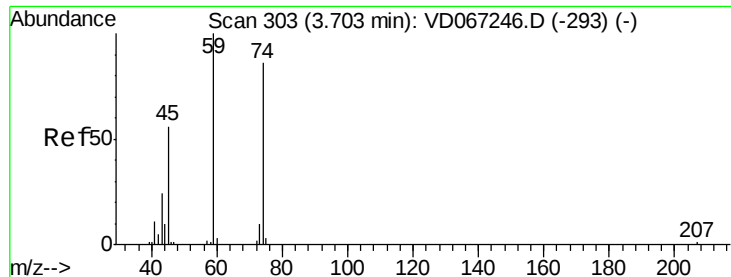
52 0.0 27.1 40.7#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#8

Diethyl Ether

Concen: 1.439 ug/l

RT: 3.70 min Scan# 303

Delta R.T. 0.00 min

Lab File: VD067452.D

Acq: 29 Oct 2020 15:19

Instrument :

MSVOA_D

ClientSampleId :

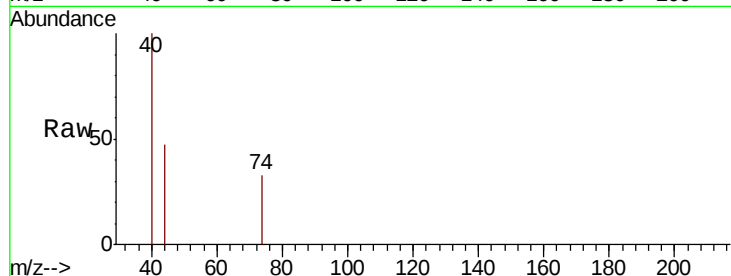
B308-B309-LOC1-SO-0001

Tot Ion: 74 Resp: 153

Ion Ratio Lower Upper

74 100

45 0.0 37.0 111.1#



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.70

250

200

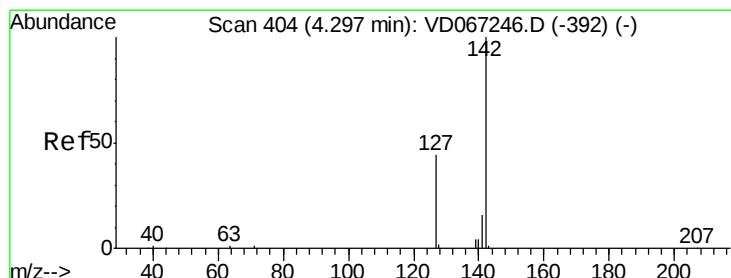
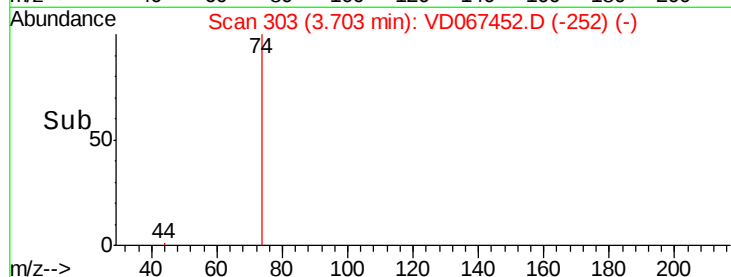
150

100

50

0

Time-->



#10

Methyl Iodide

Concen: 1.010 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD067452.D

Acq: 29 Oct 2020 15:19

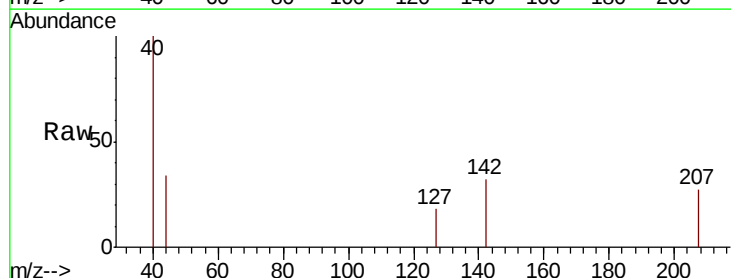
Tgt Ion: 142 Resp: 230

Ion Ratio Lower Upper

142 100

127 73.0 38.4 57.6#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.30

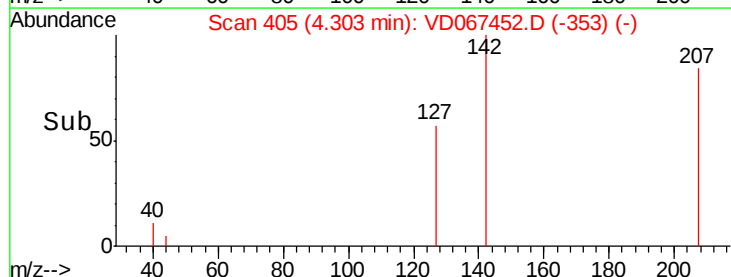
300

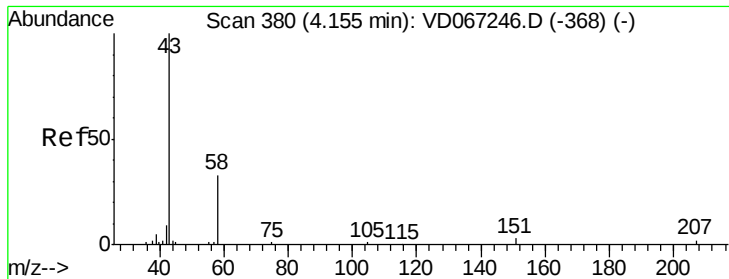
200

100

0

Time-->





#16

Acetone

Concen: 5.603 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067452.D

Acq: 29 Oct 2020 15:19

Instrument :

MSVOA_D

ClientSampleId :

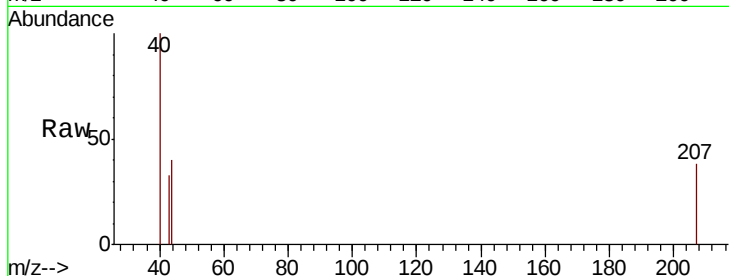
B308-B309-LOC1-SO-0001

Tot Ion: 43 Resp: 210

Ion Ratio Lower Upper

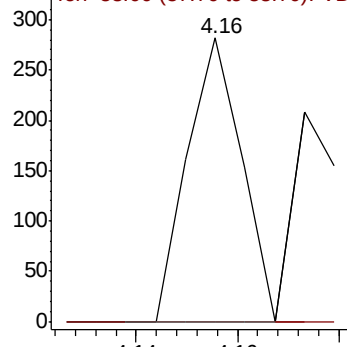
43 100

58 0.0 26.1 39.1#

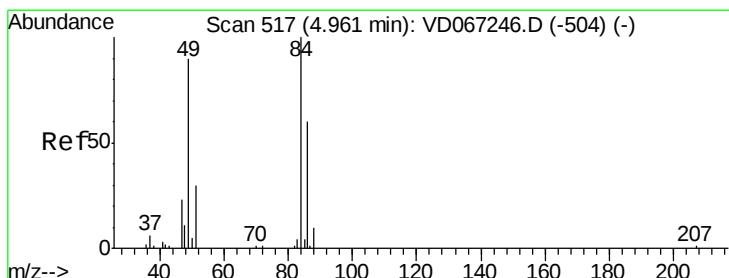
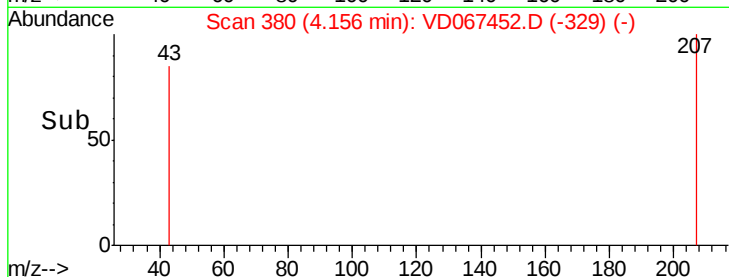


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->



#20

Methylene Chloride

Concen: 1.773 ug/l

RT: 4.98 min Scan# 521

Delta R.T. 0.02 min

Lab File: VD067452.D

Acq: 29 Oct 2020 15:19

Tgt Ion: 84 Resp: 1465

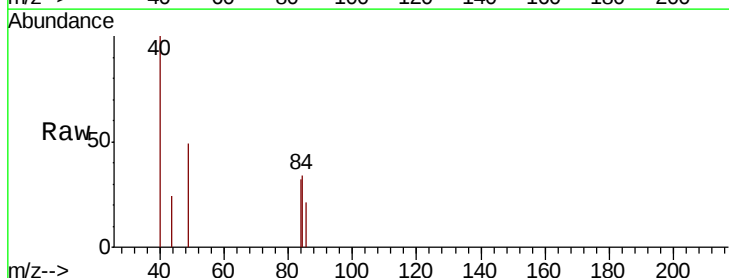
Ion Ratio Lower Upper

84 100

49 48.8 72.2 108.2#

51 0.0 23.8 35.8#

86 31.9 48.2 72.4#

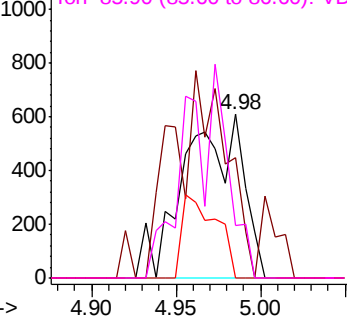


Abundance Ion 83.90 (83.60 to 84.60): VDC

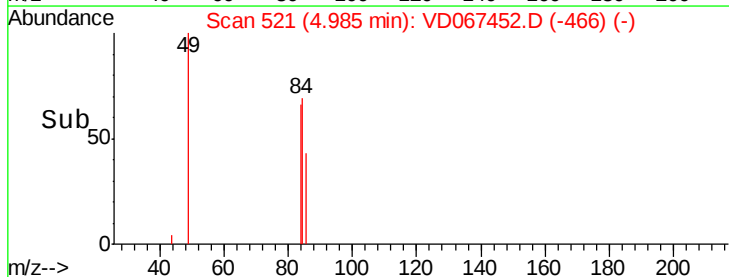
Ion 48.90 (48.60 to 49.60): VDC

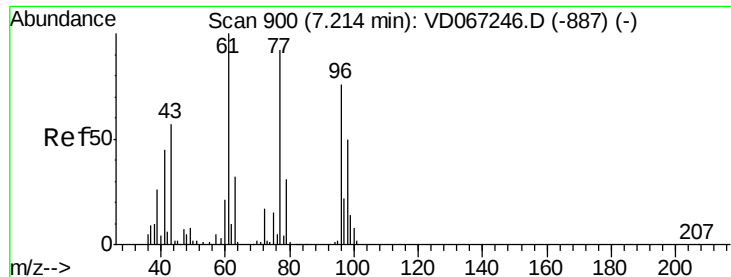
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



Time-->

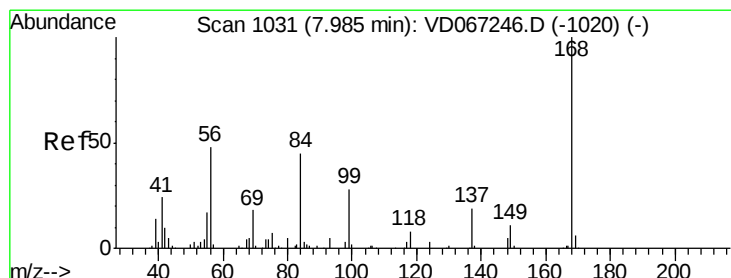
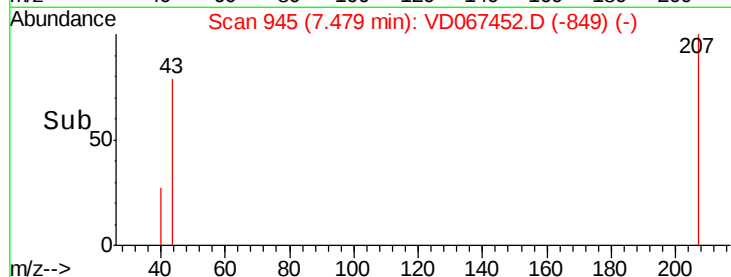
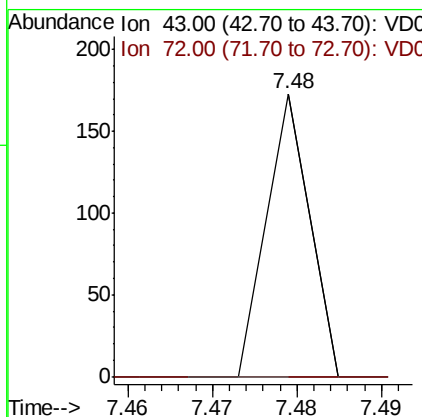
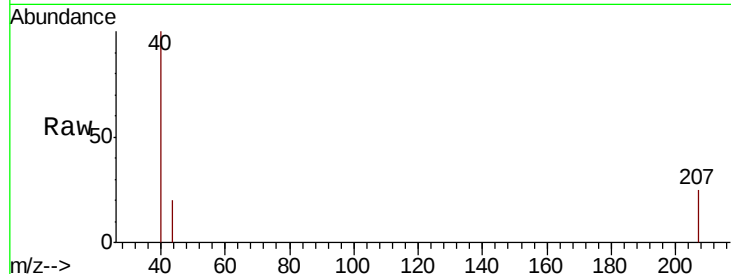




#25
2-Butanone
Concen: 1.428 ug/l
RT: 7.48 min Scan# 945
Delta R.T. 0.26 min
Lab File: VD067452.D
Acq: 29 Oct 2020 15:19

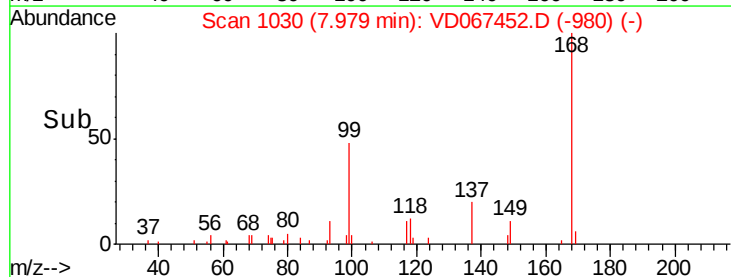
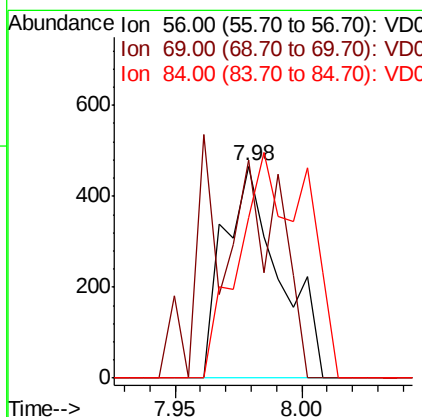
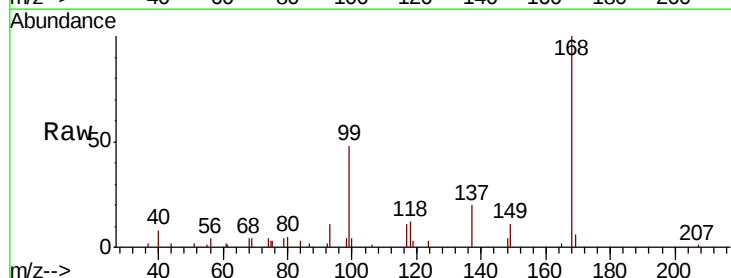
Instrument :
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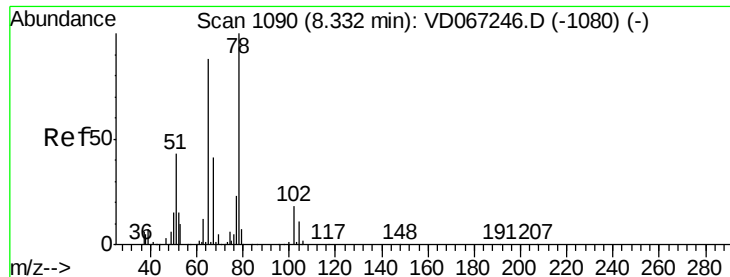
Tot Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 2.313 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067452.D
Acq: 29 Oct 2020 15:19

Tgt Ion: 56 Resp: 713
Ion Ratio Lower Upper
56 100
69 102.8 29.8 44.6#
84 76.0 76.6 114.8#

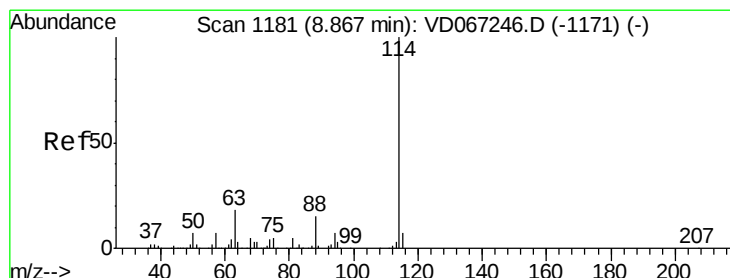
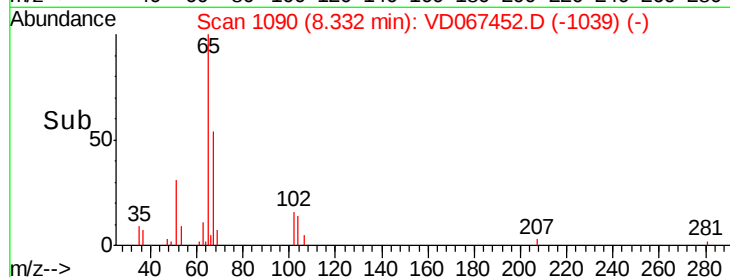
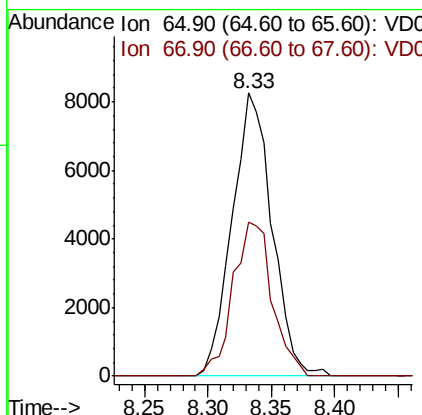
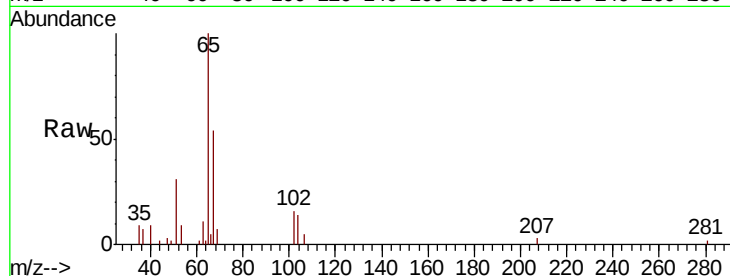




#33
 1,2-Dichloroethane-d4
 Concen: 67.408 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067452.D
 Acq: 29 Oct 2020 15:19

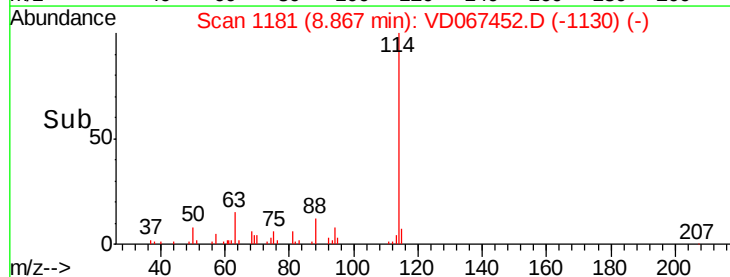
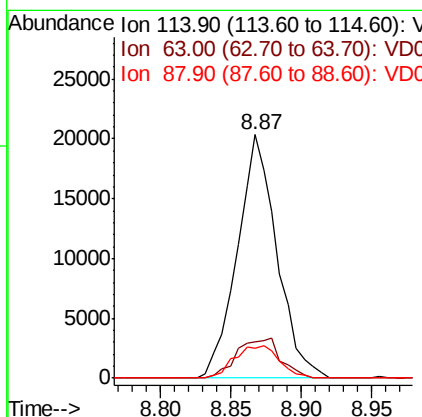
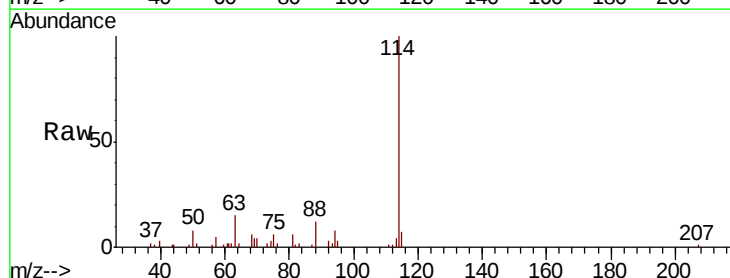
Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC1-SO-0001

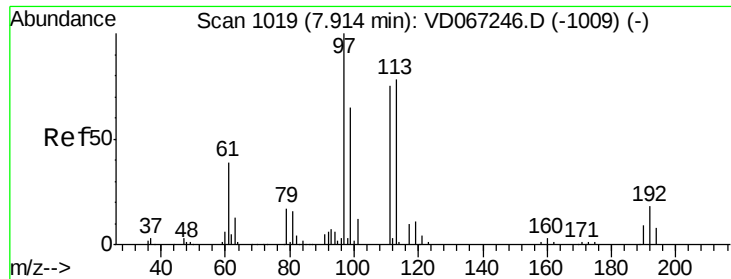
Tot Ion: 65 Resp: 18040
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067452.D
 Acq: 29 Oct 2020 15:19

Tgt Ion:114 Resp: 39733
 Ion Ratio Lower Upper
 114 100
 63 14.7 0.0 35.0
 88 12.5 0.0 30.6

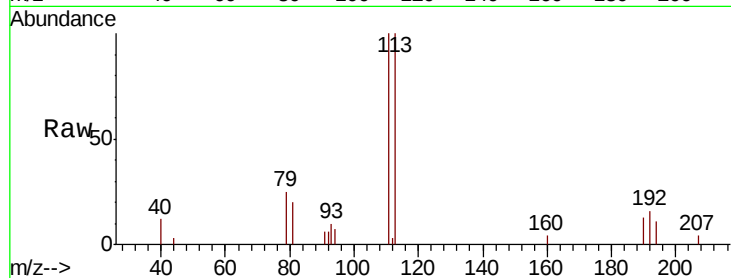




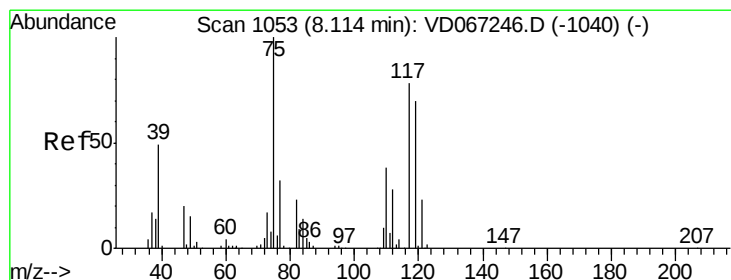
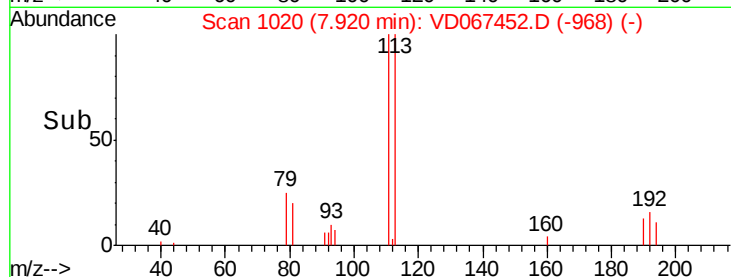
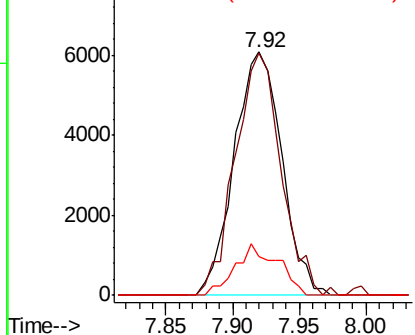
#35
 Dibromofluoromethane
 Concen: 57.064 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067452.D
 Acq: 29 Oct 2020 15:19

Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC1-SO-0001

Tot Ion: 113 Resp: 15089
 Ion Ratio Lower Upper
 113 100
 111 95.8 81.6 122.4
 192 18.8 17.0 25.4

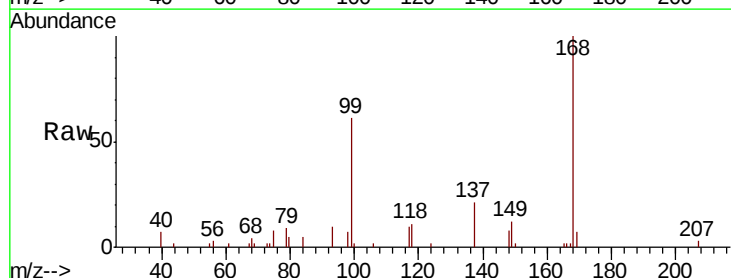


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

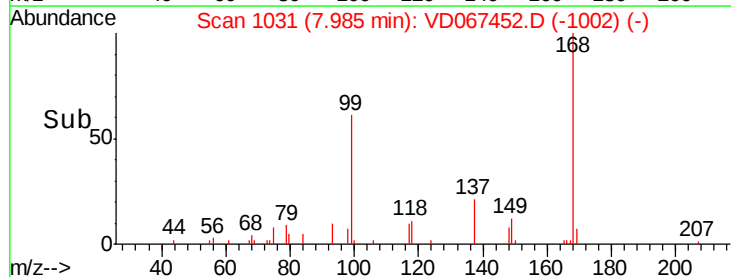
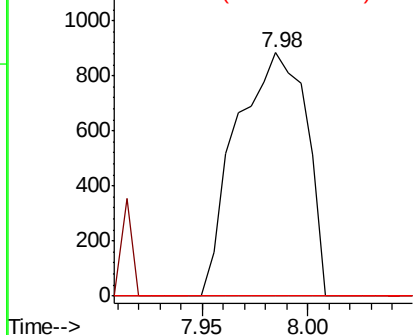


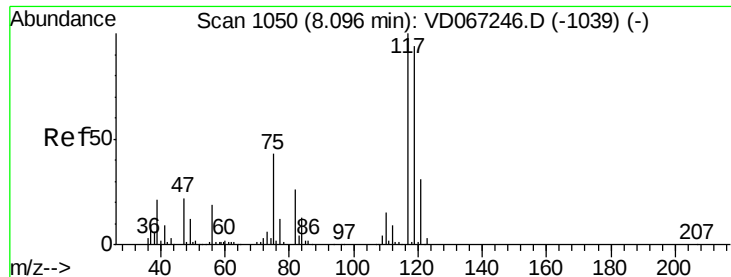
#36
 1,1-Dichloropropene
 Concen: 6.070 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067452.D
 Acq: 29 Oct 2020 15:19

Tgt Ion: 75 Resp: 2044
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.6 58.7#
 77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC





#38

Carbon Tetrachloride

Concen: 5.973 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067452.D

Acq: 29 Oct 2020 15:19

Instrument :

MSVOA_D

ClientSampleId :

B308-B309-LOC1-SO-0001

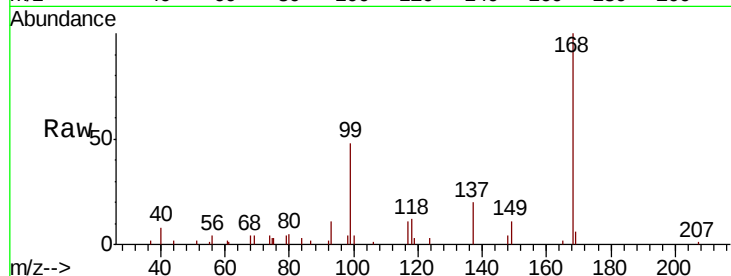
Tot Ion:117 Resp: 2571

Ion Ratio Lower Upper

117 100

119 23.4 75.0 112.4#

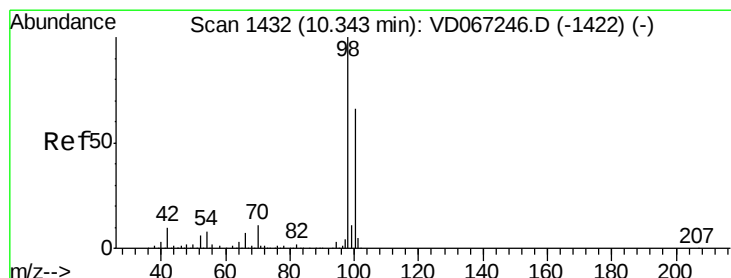
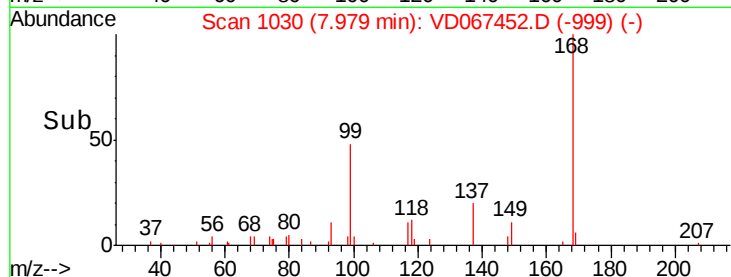
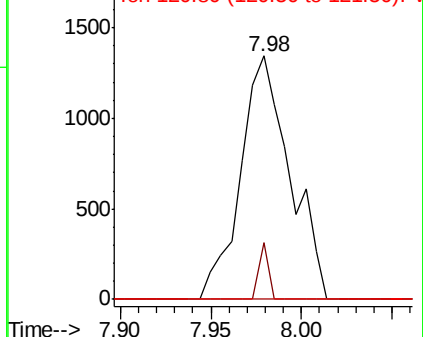
121 0.0 24.9 37.3#



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: 47.891 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067452.D

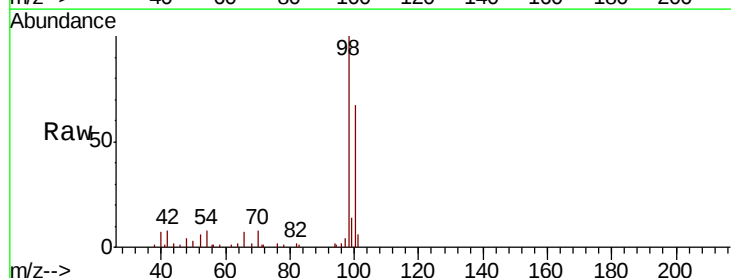
Acq: 29 Oct 2020 15:19

Tgt Ion: 98 Resp: 45828

Ion Ratio Lower Upper

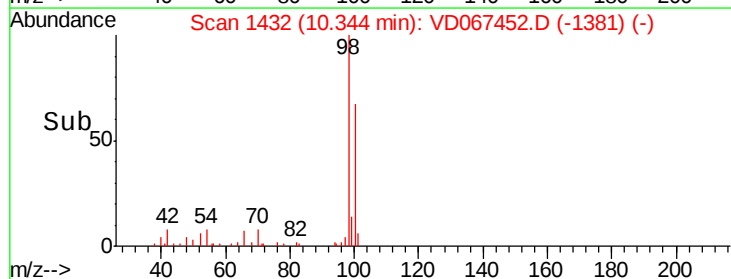
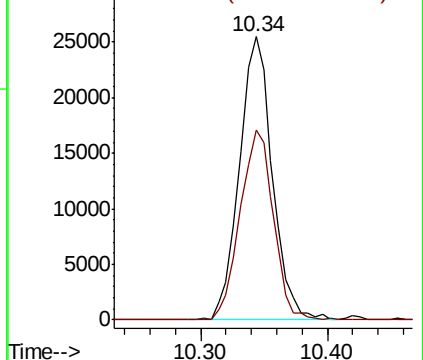
98 100

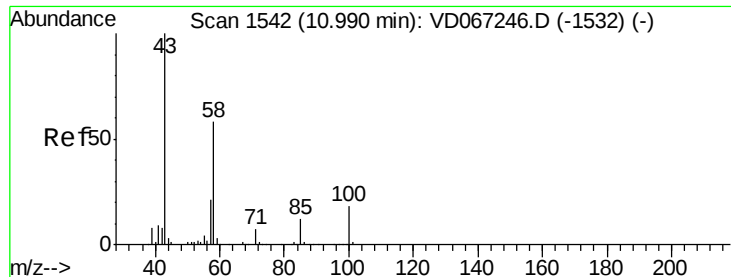
100 67.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

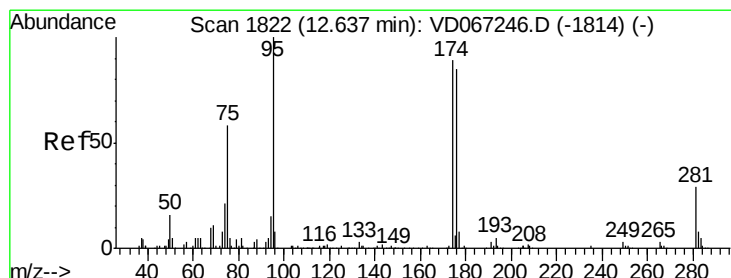
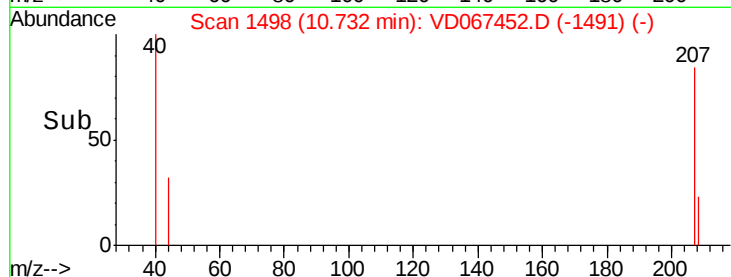
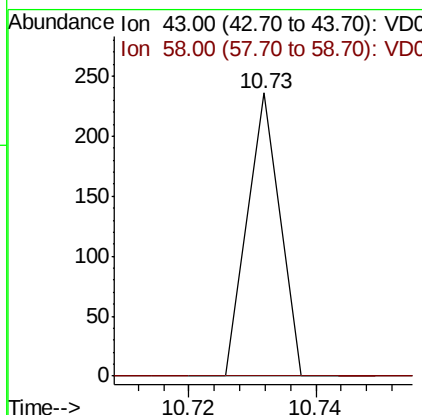
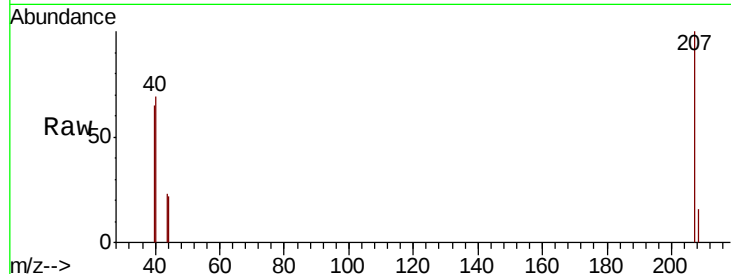




#59
 2-Hexanone
 Concen: 1.239 ug/l
 RT: 10.73 min Scan# 1498
 Delta R.T. -0.26 min
 Lab File: VD067452.D
 Acq: 29 Oct 2020 15:19

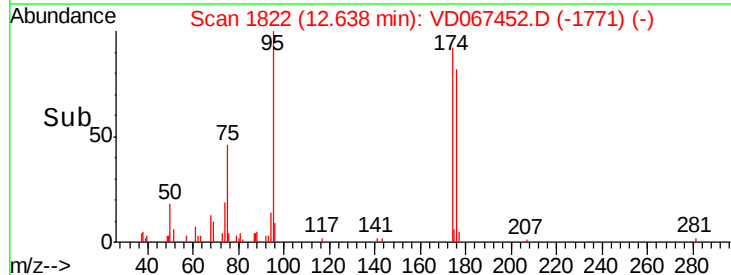
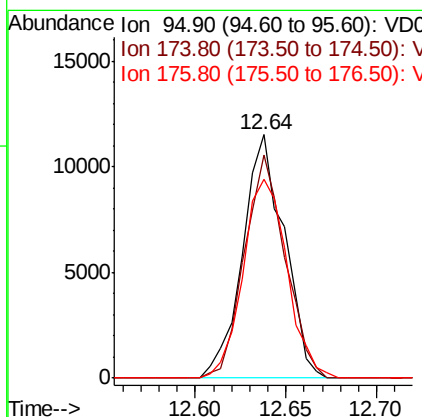
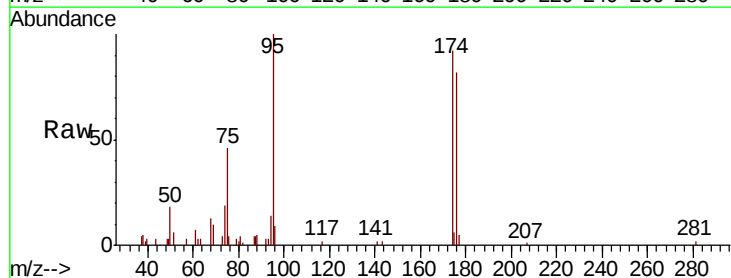
Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC1-SO-0001

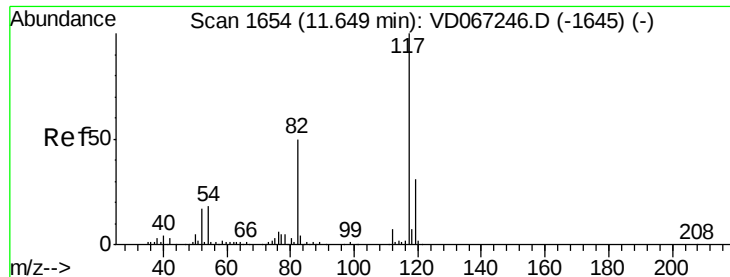
Tot Ion: 43 Resp: 83
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.3 87.9#



#62
 4-Bromofluorobenzene
 Concen: 54.973 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067452.D
 Acq: 29 Oct 2020 15:19

Tgt Ion: 95 Resp: 18292
 Ion Ratio Lower Upper
 95 100
 174 90.2 0.0 175.2
 176 87.1 0.0 168.6

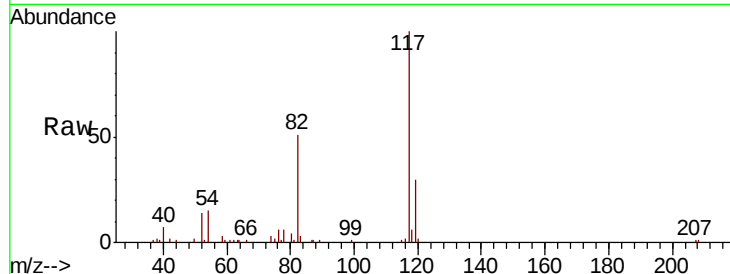




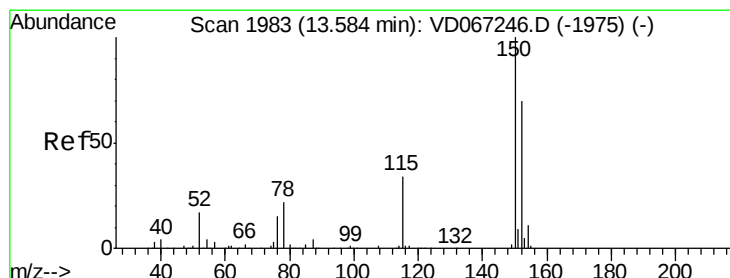
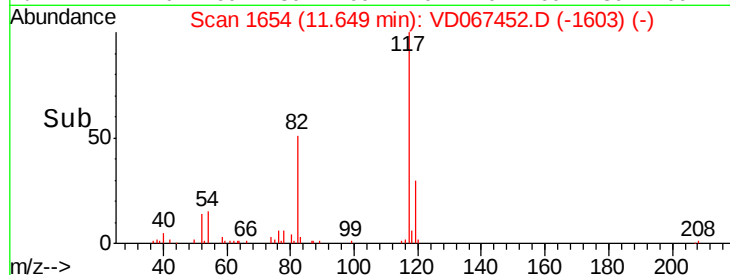
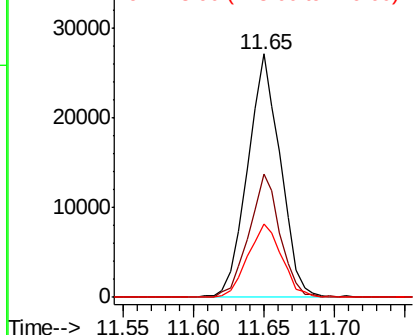
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067452.D
Acq: 29 Oct 2020 15:19

Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC1-SO-0001

Tot Ion:117 Resp: 44076
Ion Ratio Lower Upper
117 100
82 50.7 39.9 59.9
119 30.3 24.9 37.3

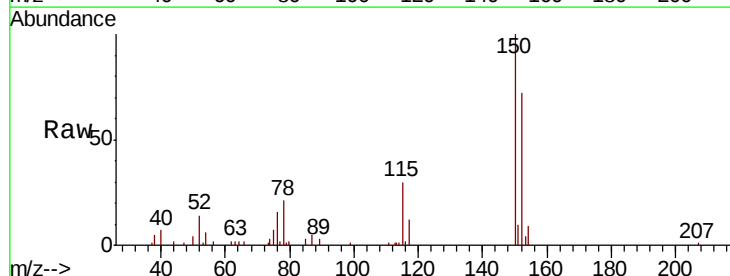


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

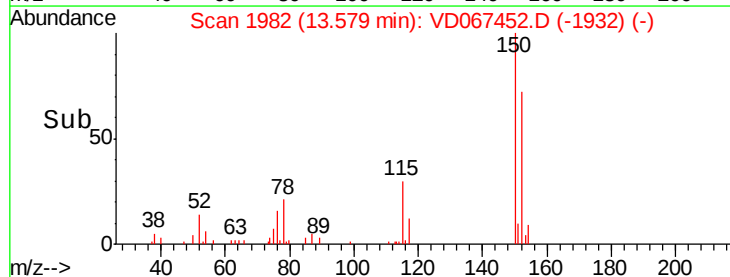
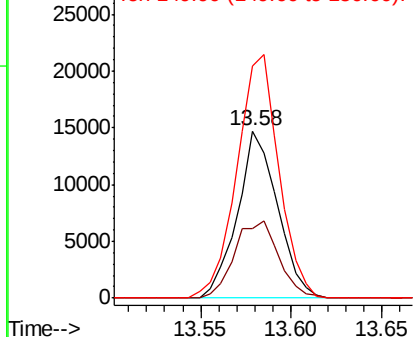


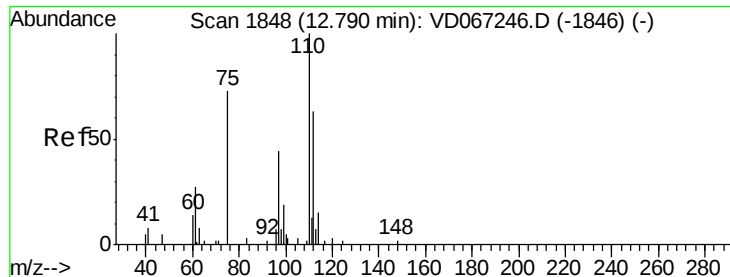
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067452.D
Acq: 29 Oct 2020 15:19

Tgt Ion:152 Resp: 22524
Ion Ratio Lower Upper
152 100
115 51.4 29.3 87.9
150 152.5 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: 56.920 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067452.D

Acq: 29 Oct 2020 15:19

Instrument :

MSVOA_D

ClientSampleId :

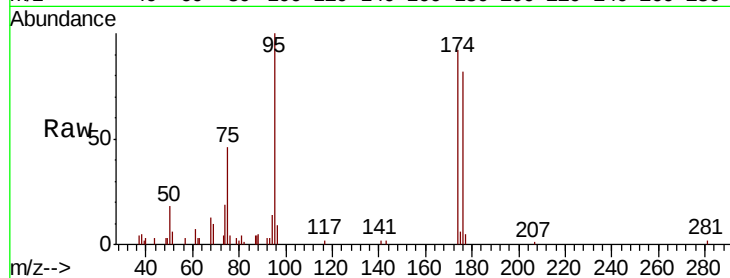
B308-B309-LOC1-SO-0001

Tot Ion: 75 Resp: 8886

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

6000

5000

4000

3000

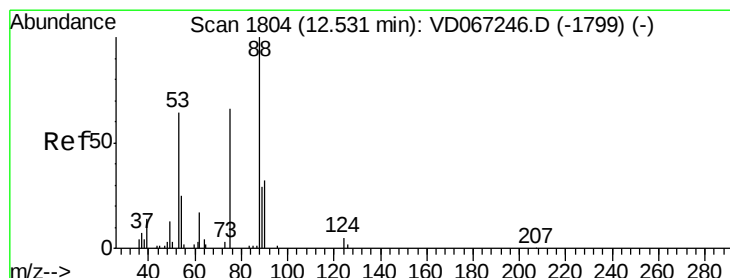
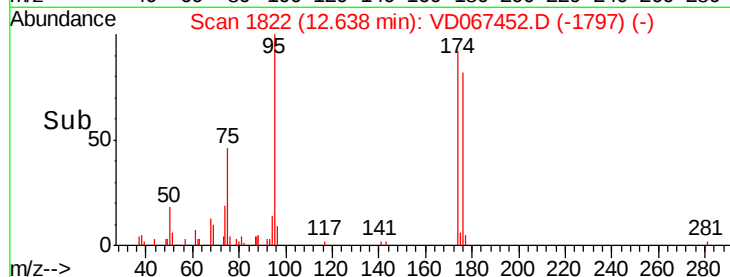
2000

1000

0

12.60 12.65

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 129.079 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067452.D

Acq: 29 Oct 2020 15:19

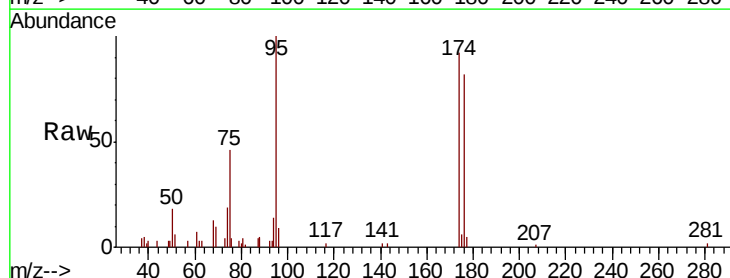
Tgt Ion: 75 Resp: 8886

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 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

6000

5000

4000

3000

2000

1000

0

12.60 12.65

Time-->

