

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102920\
 Data File : VD067453.D
 Acq On : 29 Oct 2020 15:46
 Operator : VA/SY
 Sample : L4560-02
 Misc : 4.66G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC1-SO-0002

Quant Time: Oct 30 02:28:27 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	11817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	17675	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	17718	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	8456	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	7880	66.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	133.12%	
35) Dibromofluoromethane	7.91	113	5704	48.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.98%	
50) Toluene-d8	10.34	98	21002	49.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	12.64	95	6872	46.43	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.86%	

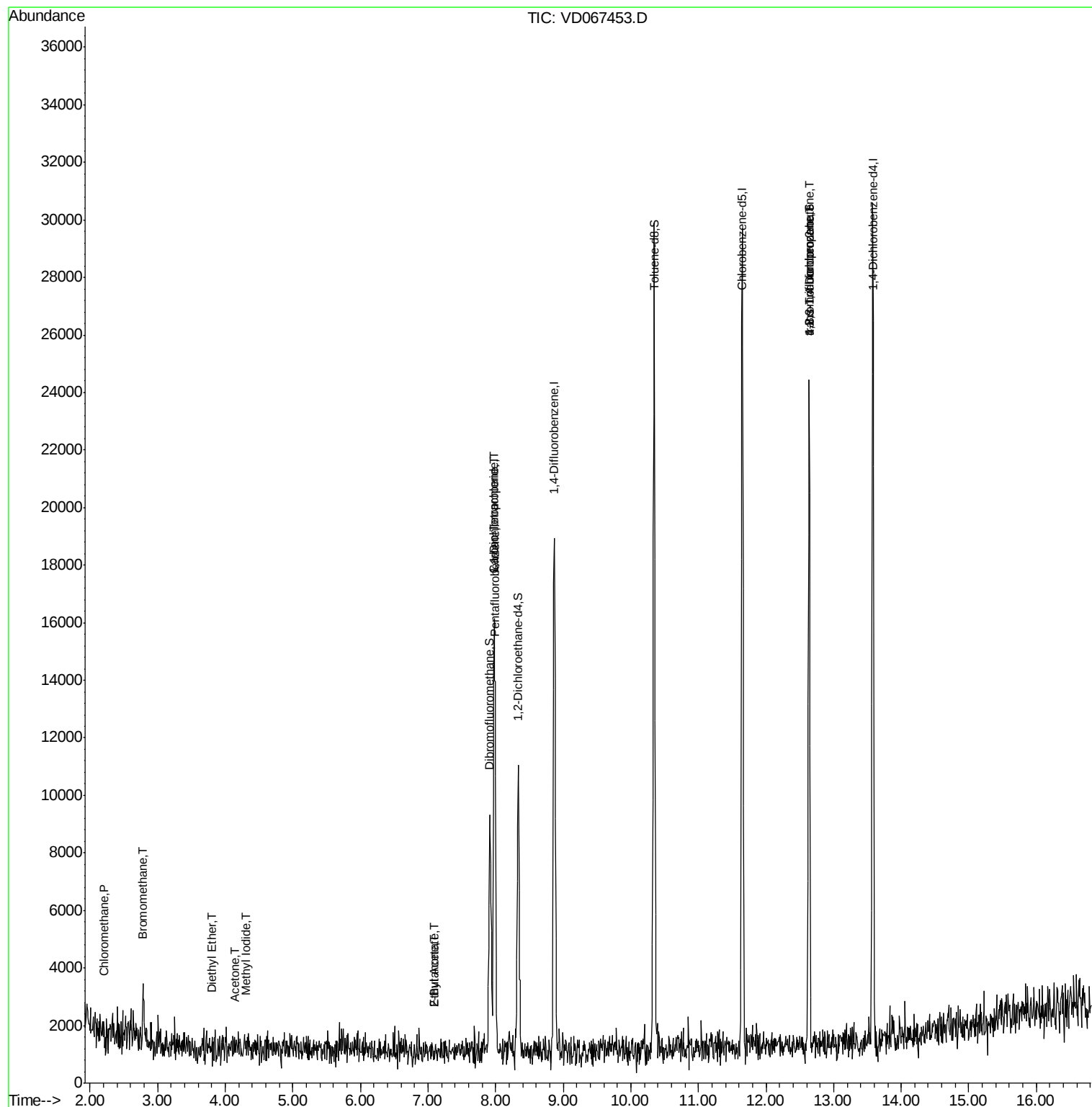
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	145	1.950	ug/l #	41
5) Bromomethane	2.79	94	1255	20.726	ug/l #	75
8) Diethyl Ether	3.80	74	56	1.191	ug/l #	12
10) Methyl Iodide	4.31	142	207	2.056	ug/l #	37
16) Acetone	4.15	43	58	3.498	ug/l #	42
20) Methylene Chloride	4.97	84	292	Below Cal	#	16
25) 2-Butanone	7.09	43	59	3.122	ug/l #	45
36) 1,1-Dichloropropene	7.98	75	778	5.193	ug/l #	39
37) Ethyl Acetate	7.09	43	59	1.339	ug/l #	61
38) Carbon Tetrachloride	7.97	117	1461	7.631	ug/l #	13
76) 1,2,3-Trichloropropane	12.64	75	3567	60.862	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	3567	138.017	ug/l #	10

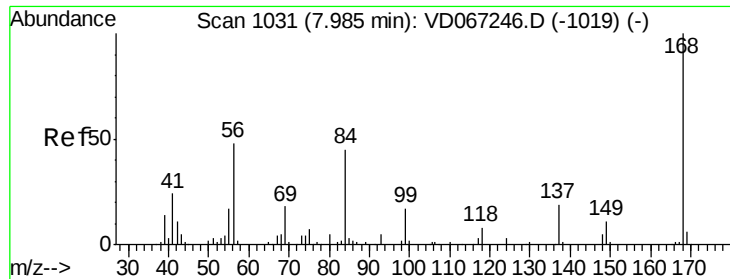
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 30 02:28:27 2020
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD067453.D

Acq: 29 Oct 2020 15:46

Instrument :

MSVOA_D

ClientSampleId :

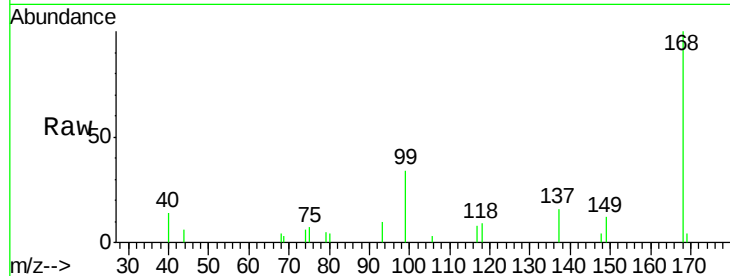
B308-B309-LOC1-SO-0002

Tot Ion:168 Resp: 11817

Ion Ratio Lower Upper

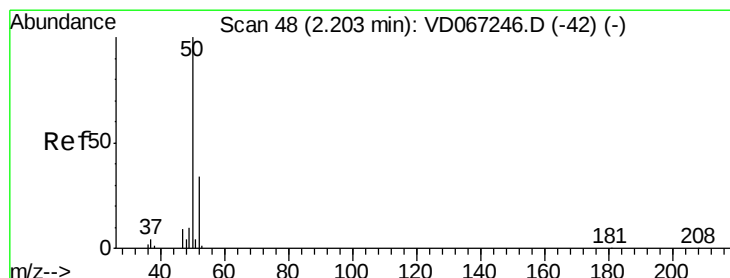
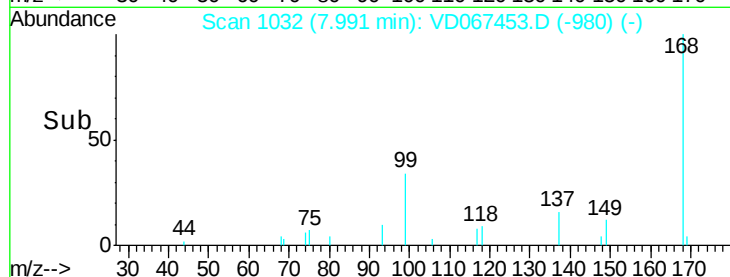
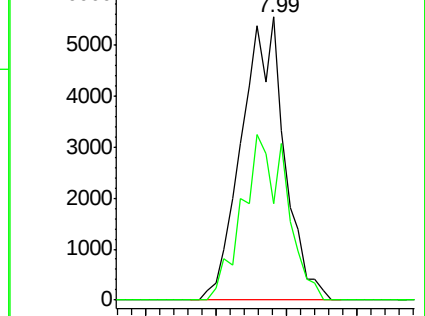
168 100

99 34.3 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: 1.950 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067453.D

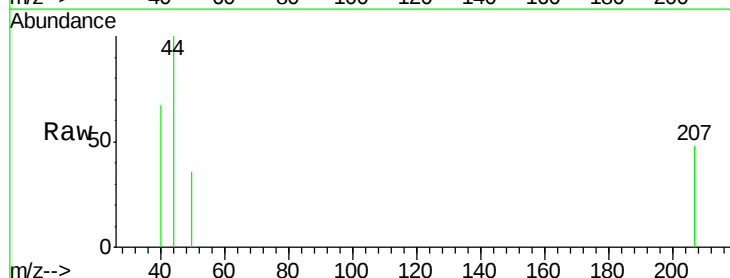
Acq: 29 Oct 2020 15:46

Tgt Ion: 50 Resp: 145

Ion Ratio Lower Upper

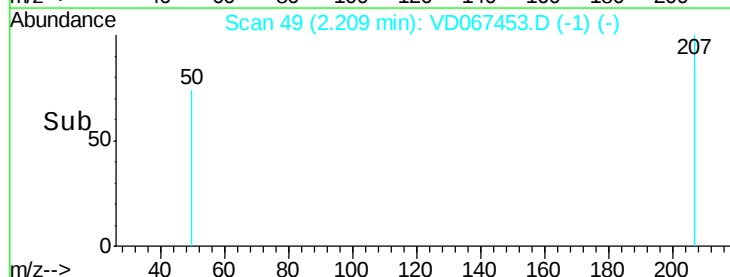
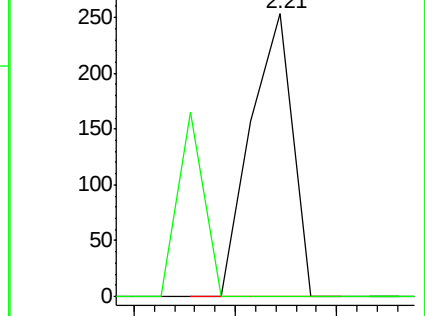
50 100

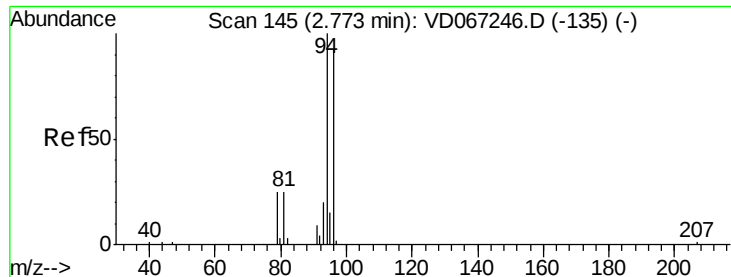
52 0.0 27.1 40.7#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 20.726 ug/l

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067453.D

Acq: 29 Oct 2020 15:46

Instrument :

MSVOA_D

ClientSampleId :

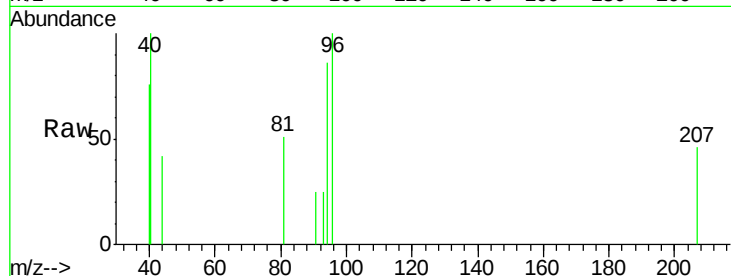
B308-B309-LOC1-SO-0002

Tot Ion: 94 Resp: 1255

Ion Ratio Lower Upper

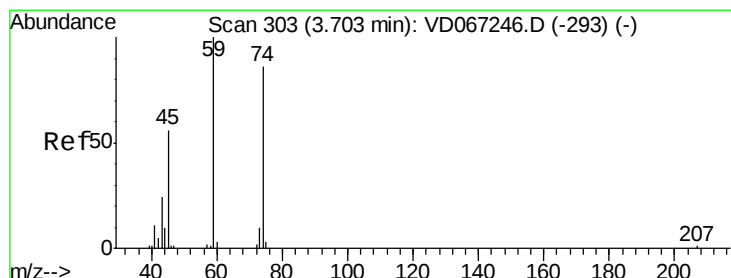
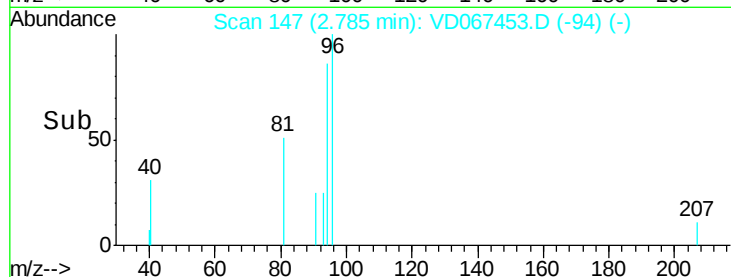
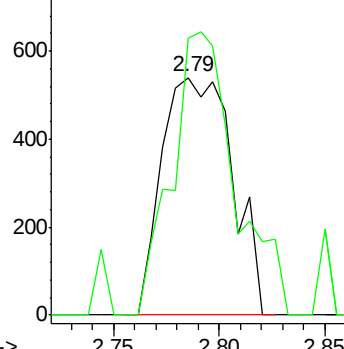
94 100

96 116.5 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#8

Diethyl Ether

Concen: 1.191 ug/l

RT: 3.80 min Scan# 320

Delta R.T. 0.10 min

Lab File: VD067453.D

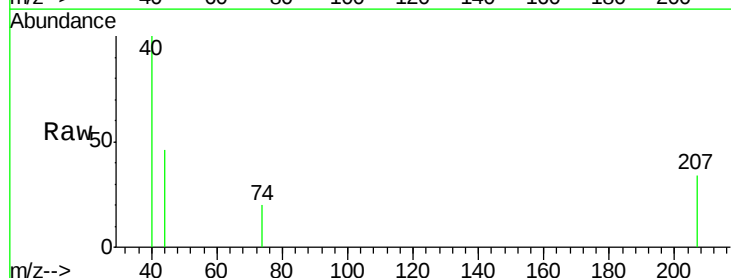
Acq: 29 Oct 2020 15:46

Tgt Ion: 74 Resp: 56

Ion Ratio Lower Upper

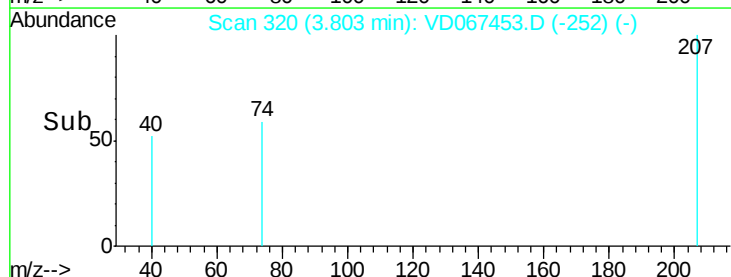
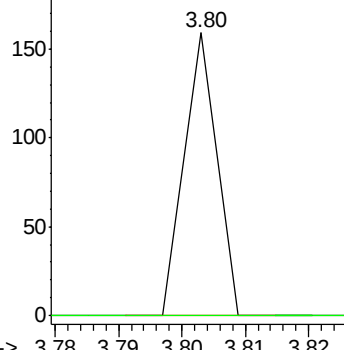
74 100

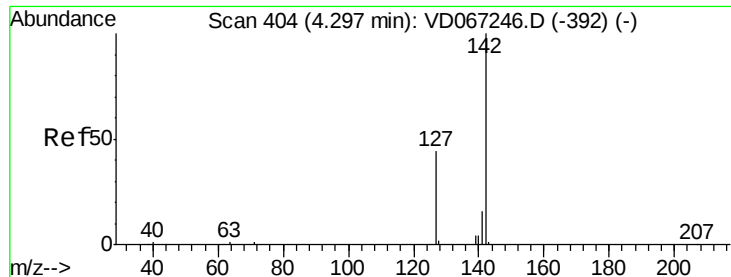
45 0.0 37.0 111.1#



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

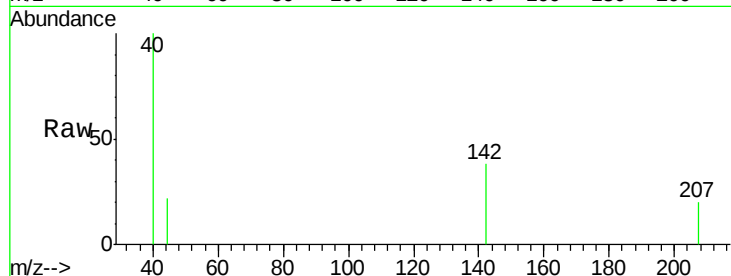




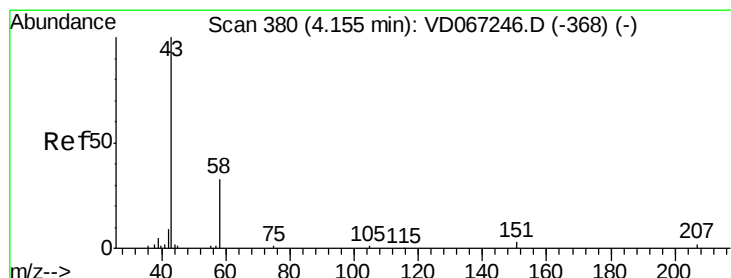
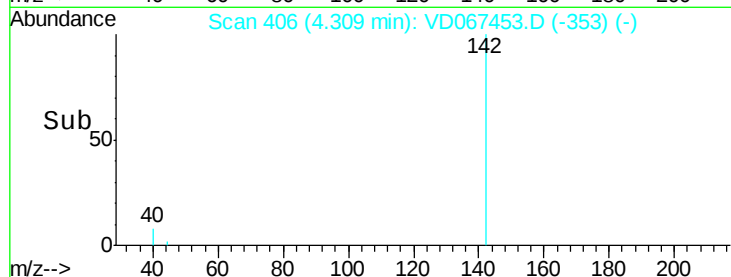
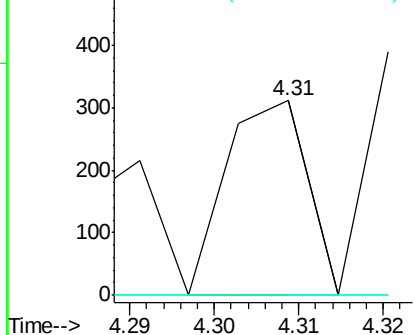
#10
Methvl Iodide
Concen: 2.056 ug/l
RT: 4.31 min Scan# 406
Delta R.T. 0.01 min
Lab File: VD067453.D
Acq: 29 Oct 2020 15:46

Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC1-SO-0002

Tot Ion:142 Resp: 207
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.6 17.4#

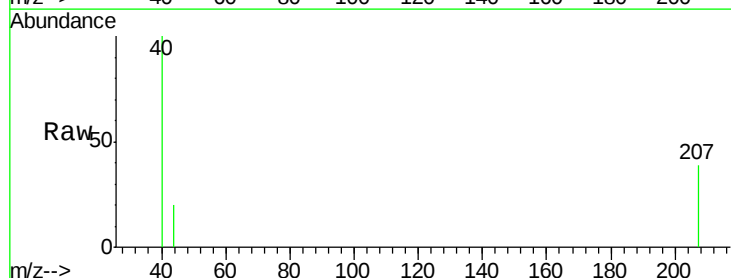


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

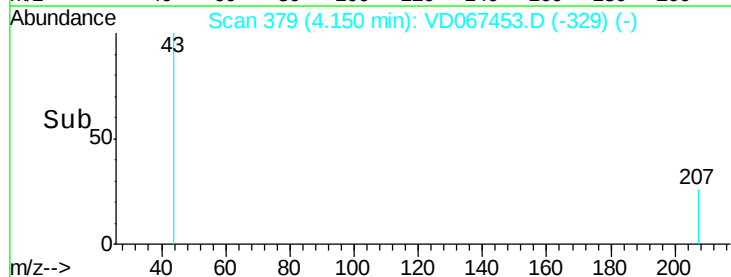
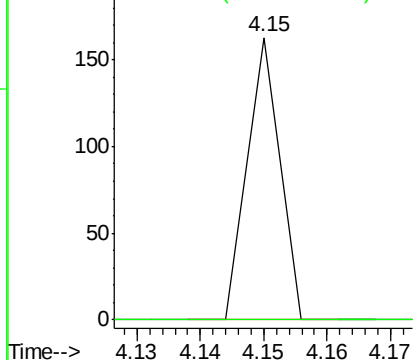


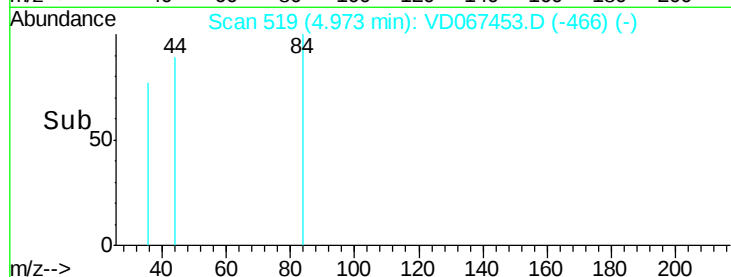
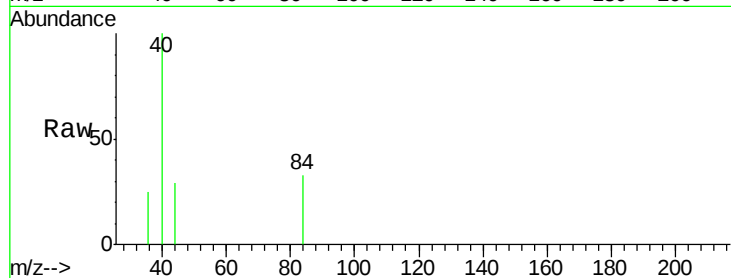
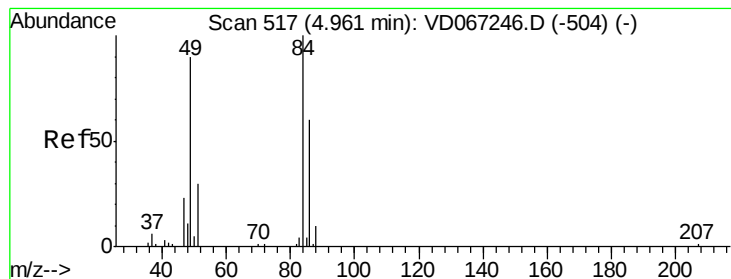
#16
Acetone
Concen: 3.498 ug/l
RT: 4.15 min Scan# 379
Delta R.T. -0.01 min
Lab File: VD067453.D
Acq: 29 Oct 2020 15:46

Tgt Ion: 43 Resp: 58
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: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067453.D

Acq: 29 Oct 2020 15:46

Instrument :

MSVOA_D

ClientSampleId :

B308-B309-LOC1-SO-0002

Tot Ion: 84 Resp: 292

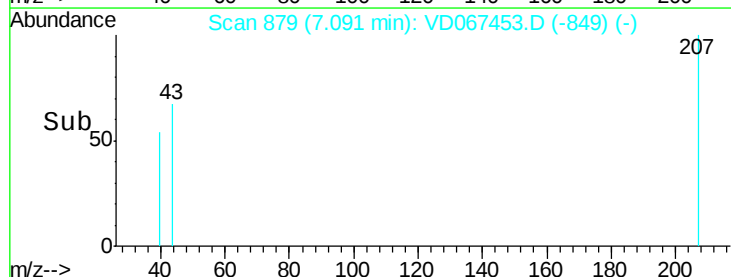
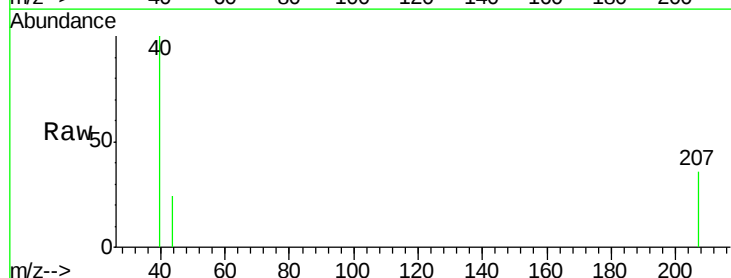
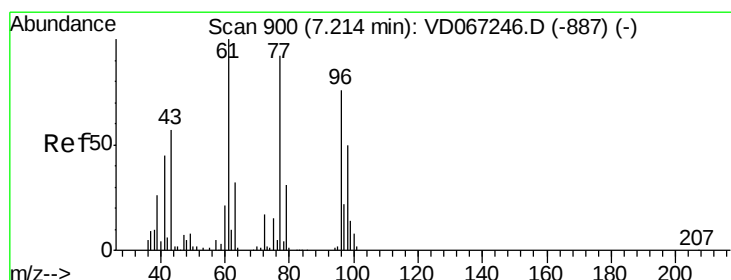
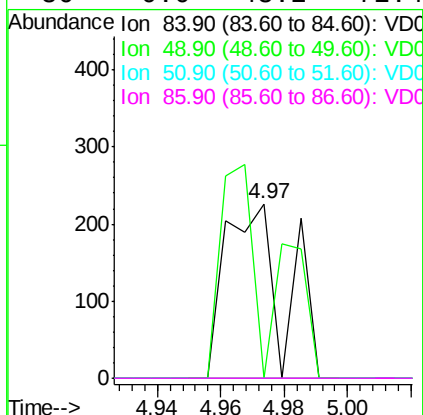
Ion Ratio Lower Upper

84 100

49 0.0 72.2 108.2#

51 0.0 23.8 35.8#

86 0.0 48.2 72.4#



#25

2-Butanone

Concen: 3.122 ug/l

RT: 7.09 min Scan# 879

Delta R.T. -0.12 min

Lab File: VD067453.D

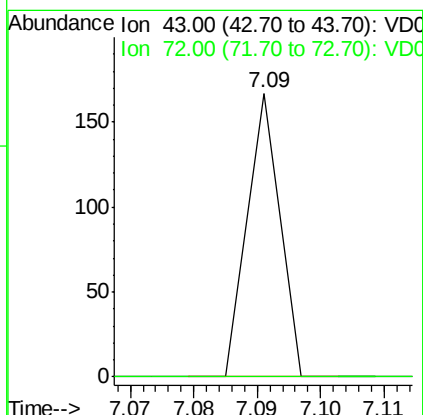
Acq: 29 Oct 2020 15:46

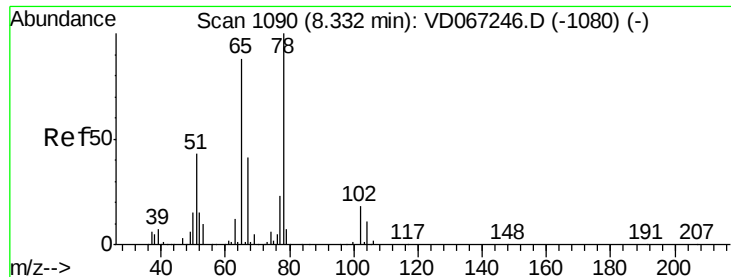
Tgt Ion: 43 Resp: 59

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#





#33

1,2-Dichloroethane-d4

Concen: 66.560 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067453.D

Acq: 29 Oct 2020 15:46

Instrument :

MSVOA_D

ClientSampleId :

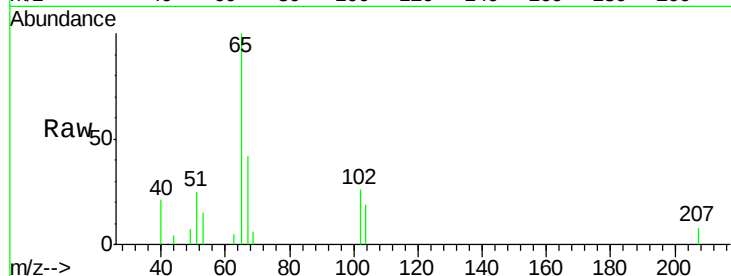
B308-B309-LOC1-SO-0002

Tot Ion: 65 Resp: 7880

Ion Ratio Lower Upper

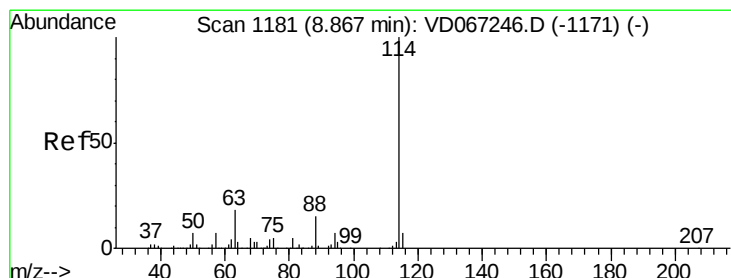
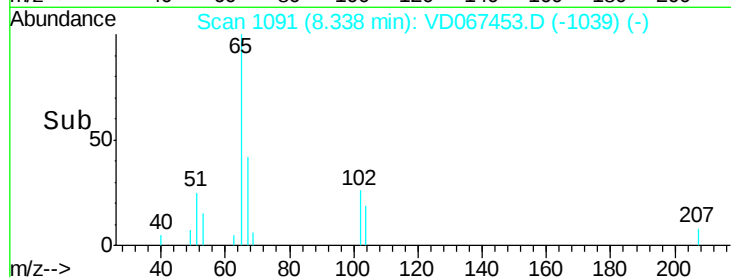
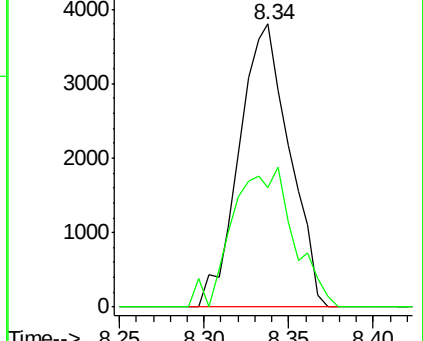
65 100

67 59.8 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: VD067453.D

Acq: 29 Oct 2020 15:46

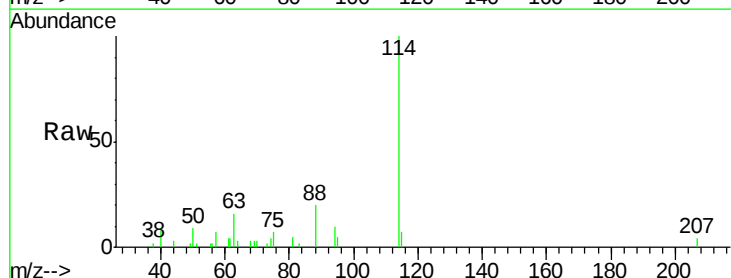
Tgt Ion:114 Resp: 17675

Ion Ratio Lower Upper

114 100

63 15.7 0.0 35.0

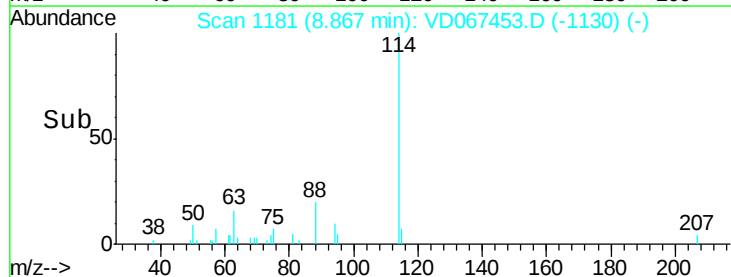
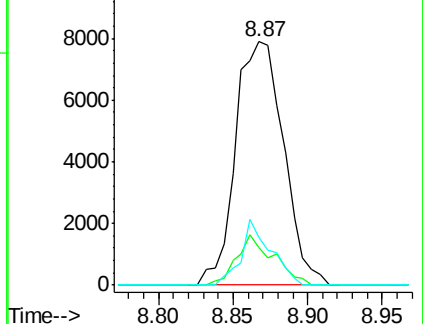
88 19.7 0.0 30.6

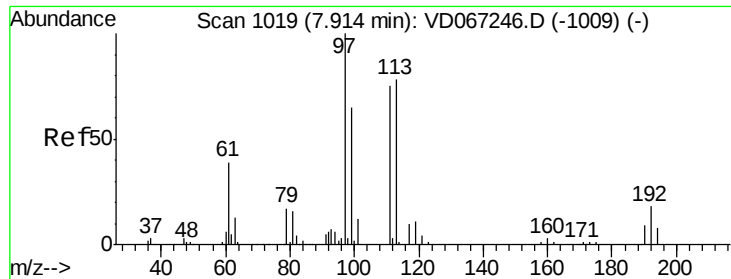


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

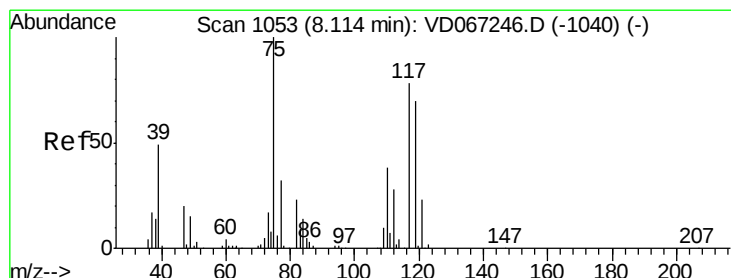
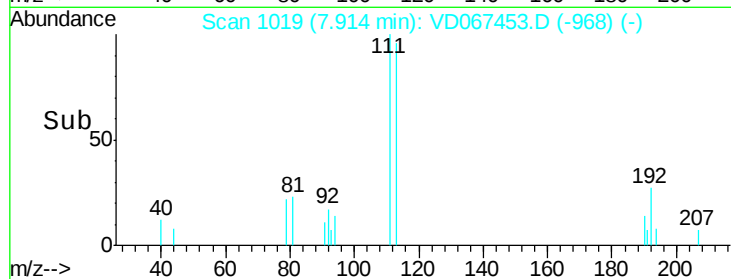
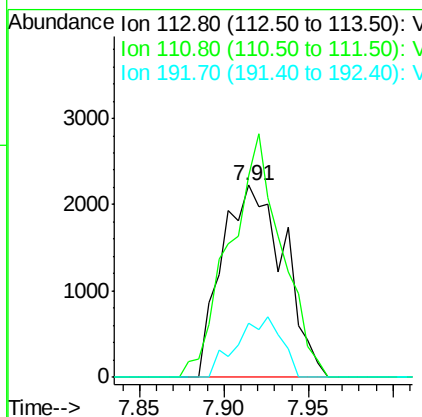
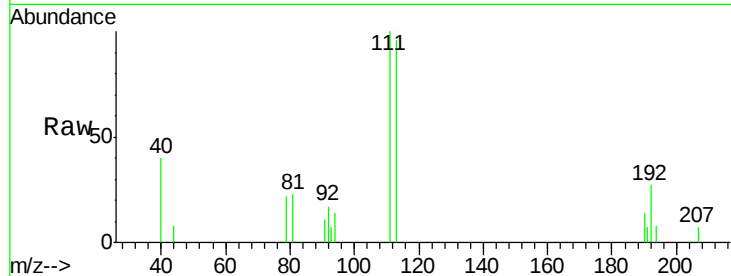




#35
 Dibromofluoromethane
 Concen: 48.492 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067453.D
 Acq: 29 Oct 2020 15:46

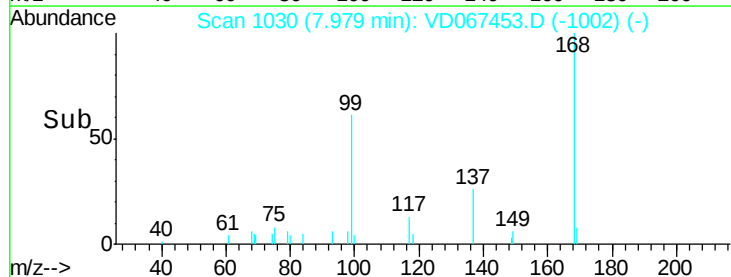
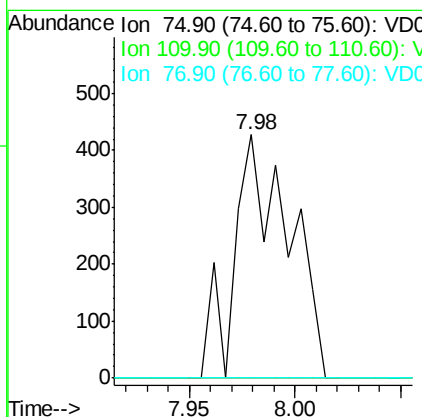
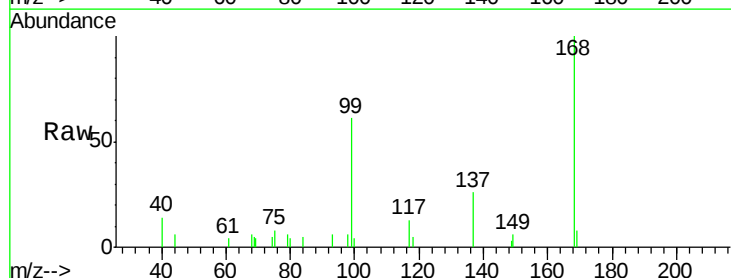
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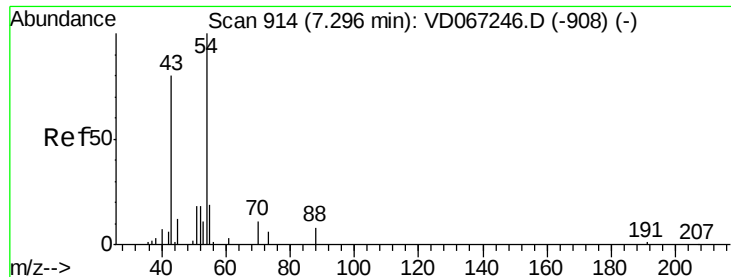
Tot Ion:113 Resp: 5704
 Ion Ratio Lower Upper
 113 100
 111 106.1 81.6 122.4
 192 22.5 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 5.193 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD067453.D
 Acq: 29 Oct 2020 15:46

Tgt Ion: 75 Resp: 778
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.6 58.7#
 77 0.0 24.6 37.0#

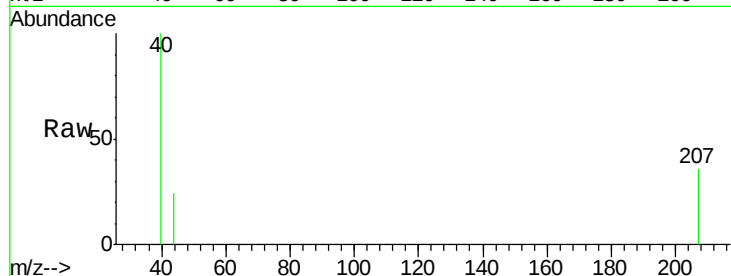




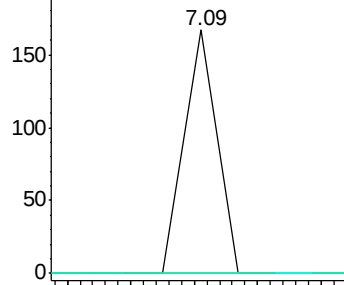
#37
Ethyl Acetate
Concen: 1.339 ug/l
RT: 7.09 min Scan# 879
Delta R.T. -0.21 min
Lab File: VD067453.D
Acq: 29 Oct 2020 15:46

Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC1-SO-0002

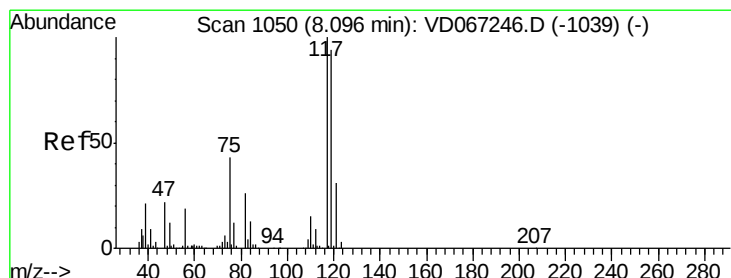
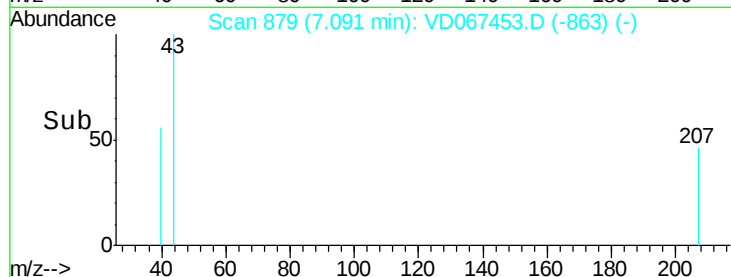
Tot Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
61 0.0 15.6 23.4#
70 0.0 10.4 15.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

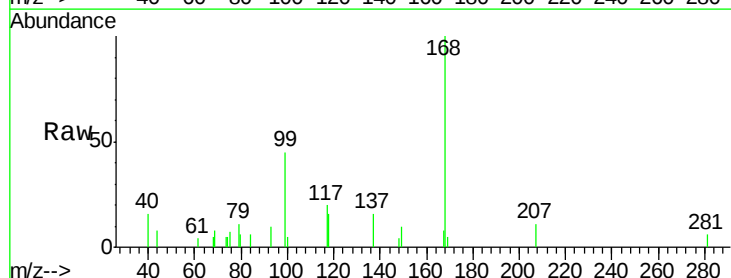


Time-->

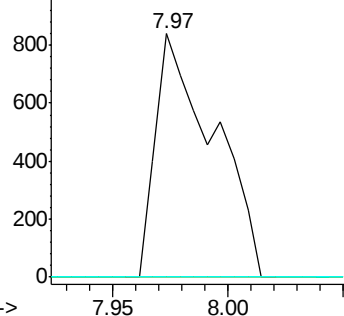


#38
Carbon Tetrachloride
Concen: 7.631 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD067453.D
Acq: 29 Oct 2020 15:46

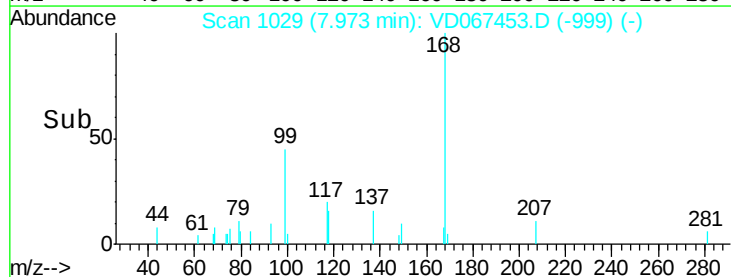
Tgt Ion: 117 Resp: 1461
Ion Ratio Lower Upper
117 100
119 0.0 75.0 112.4#
121 0.0 24.9 37.3#

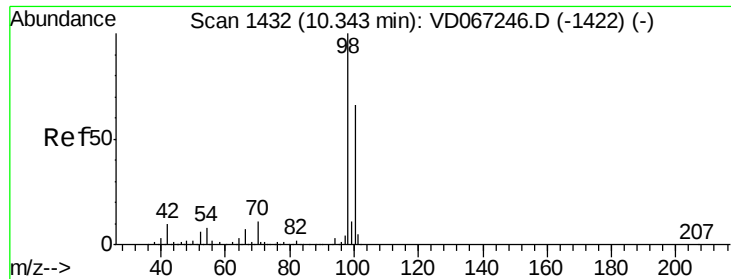


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



Time-->





#50

Toluene-d8

Concen: 49.337 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067453.D

Acq: 29 Oct 2020 15:46

Instrument :

MSVOA_D

ClientSampleId :

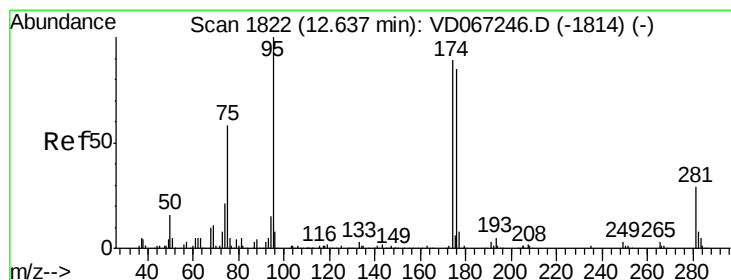
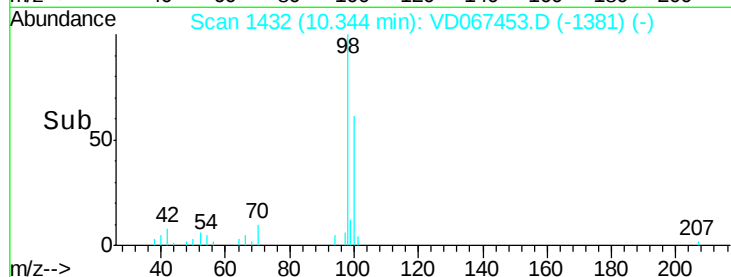
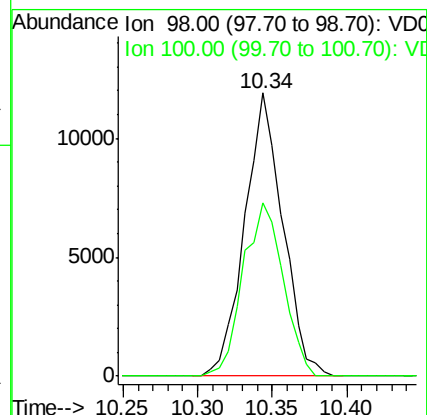
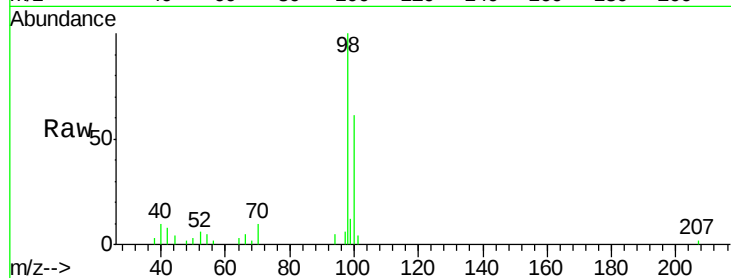
B308-B309-LOC1-SO-0002

Tot Ion: 98 Resp: 21002

Ion Ratio Lower Upper

98 100

100 64.5 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 46.426 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067453.D

Acq: 29 Oct 2020 15:46

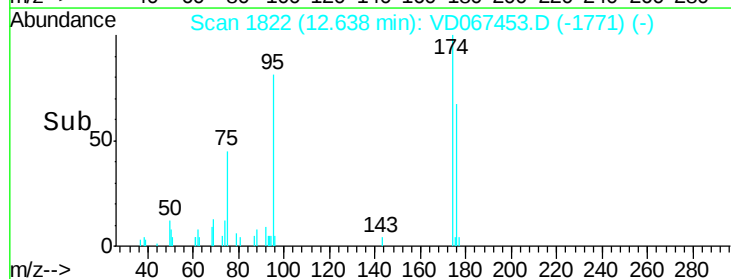
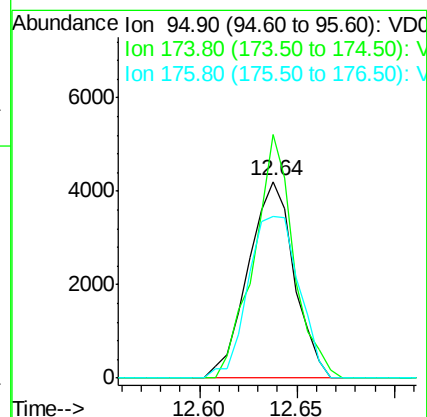
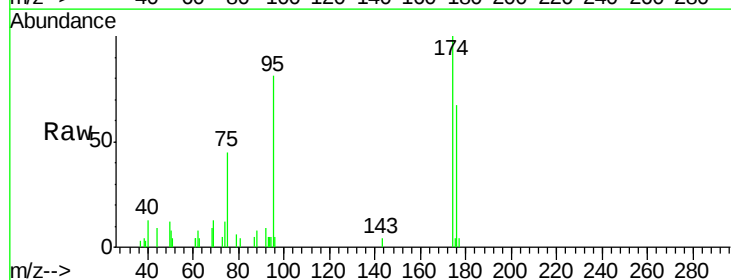
Tgt Ion: 95 Resp: 6872

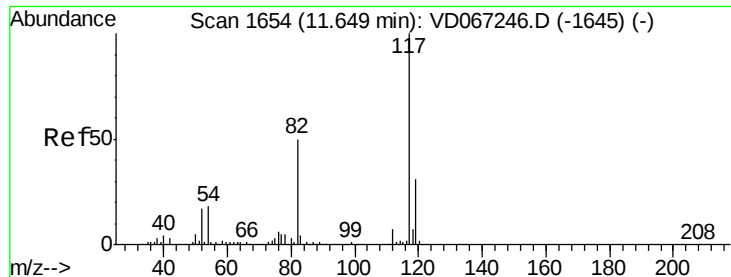
Ion Ratio Lower Upper

95 100

174 106.9 0.0 175.2

176 91.3 0.0 168.6

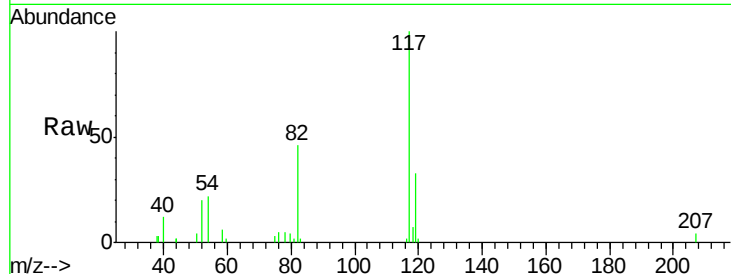




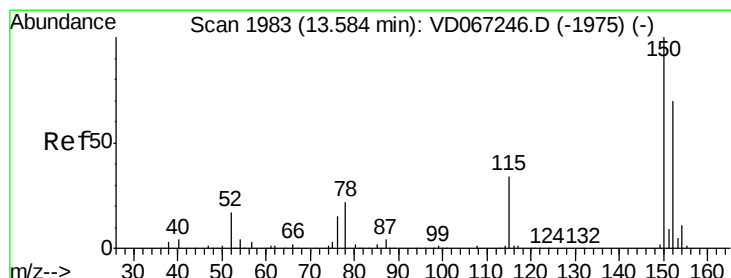
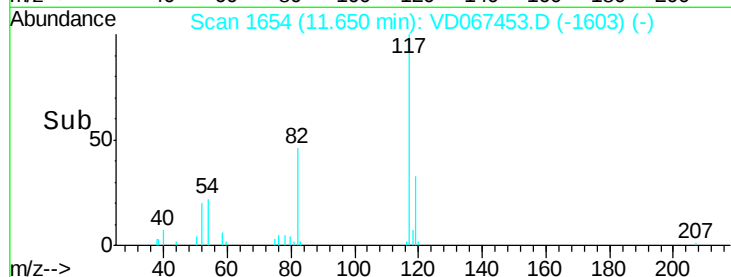
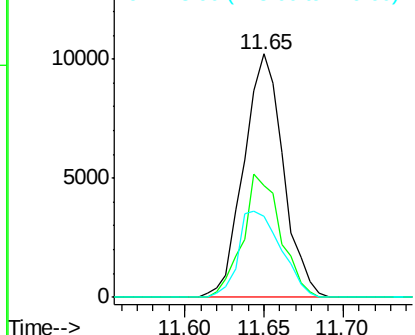
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067453.D
Acq: 29 Oct 2020 15:46

Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC1-SO-0002

Tot Ion:117 Resp: 17718
Ion Ratio Lower Upper
117 100
82 45.8 39.9 59.9
119 33.3 24.9 37.3

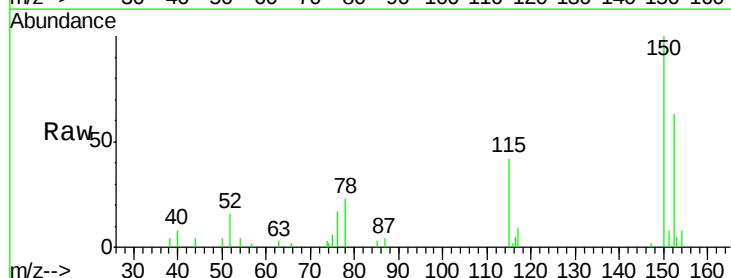


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

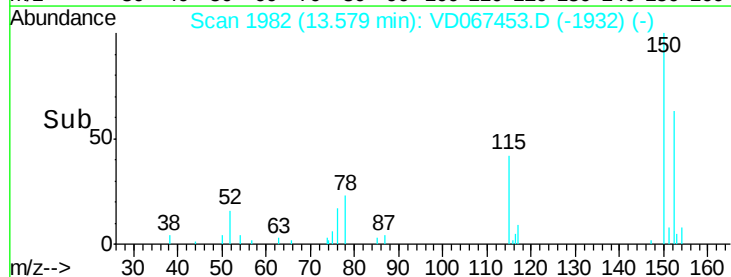
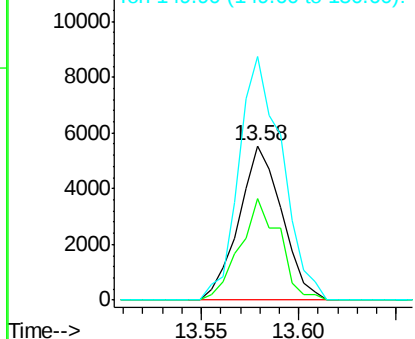


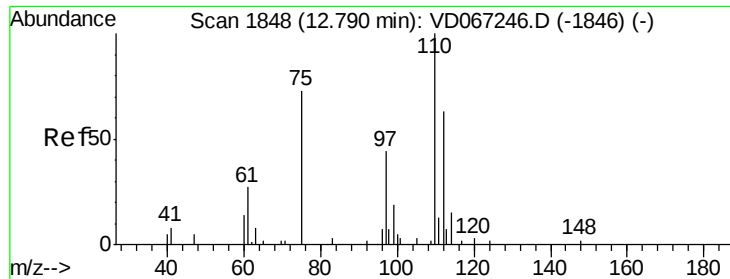
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067453.D
Acq: 29 Oct 2020 15:46

Tgt Ion:152 Resp: 8456
Ion Ratio Lower Upper
152 100
115 61.0 29.3 87.9
150 158.7 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

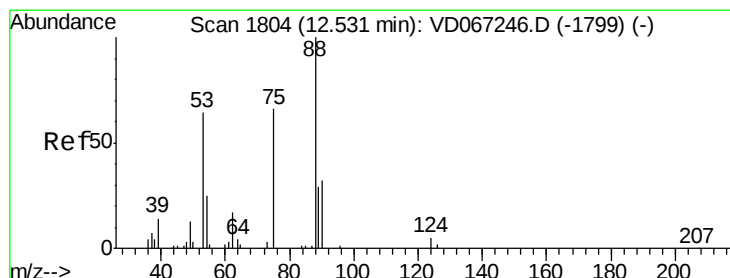
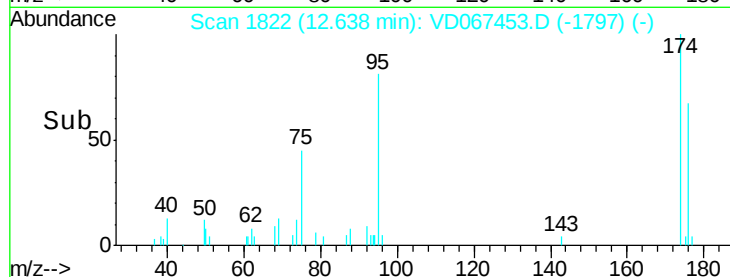
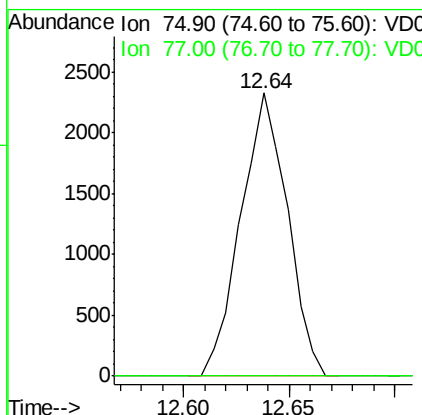
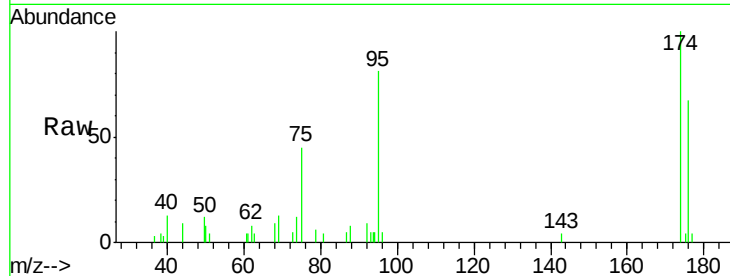




#76
 1,2,3-Trichloropropane
 Concen: 60.862 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067453.D
 Acq: 29 Oct 2020 15:46

Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC1-SO-0002

Tot Ion: 75 Resp: 3567
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.017 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067453.D
 Acq: 29 Oct 2020 15:46

Tgt Ion: 75 Resp: 3567
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 39.9 59.9#

