

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102920\
 Data File : VD067454.D
 Acq On : 29 Oct 2020 16:14
 Operator : VA/SY
 Sample : L4560-03
 Misc : 7.57G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC2-SO-0003

Quant Time: Oct 30 02:28:40 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	18113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	28131	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	30184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	14893	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	12795	70.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	141.02%	
35) Dibromofluoromethane	7.91	113	10126	54.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.18%	
50) Toluene-d8	10.34	98	32311	47.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.38%	
62) 4-Bromofluorobenzene	12.64	95	11494	48.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.58%	

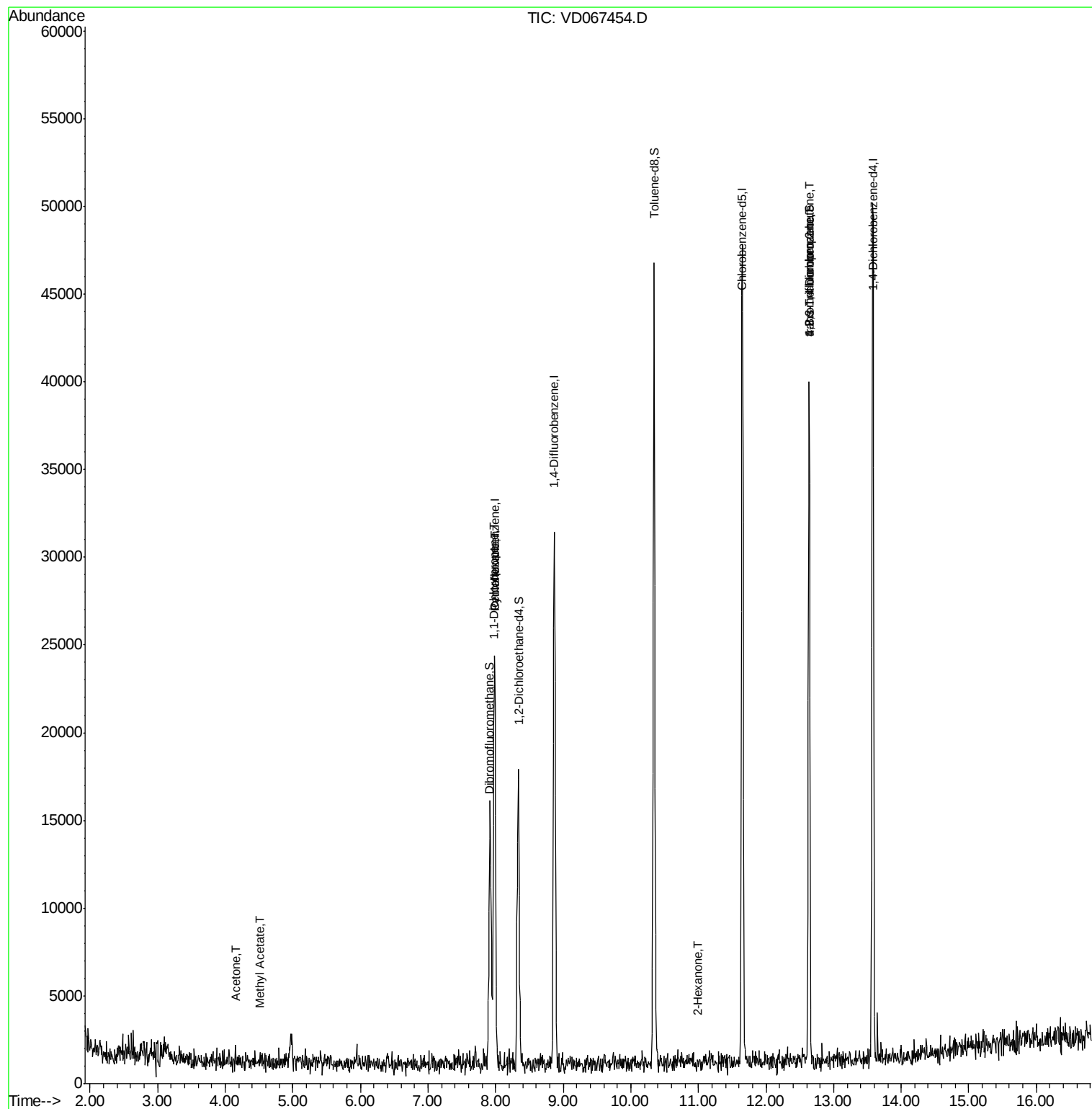
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	58	Below Cal	#	55
16) Acetone	4.16	43	264	10.388	ug/l #	42
18) Methyl Acetate	4.51	43	93	1.604	ug/l #	41
20) Methylene Chloride	4.96	84	596	Below Cal	#	64
31) Cyclohexane	7.98	56	248	1.187	ug/l #	35
36) 1,1-Dichloropropene	7.97	75	1611	6.757	ug/l #	39
59) 2-Hexanone	11.00	43	62	1.307	ug/l #	22
76) 1,2,3-Trichloropropane	12.64	75	6419	62.186	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	6419	141.019	ug/l #	10

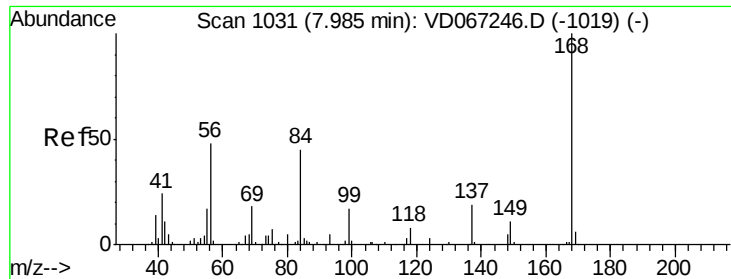
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067454.D

Acq: 29 Oct 2020 16:14

Instrument :

MSVOA_D

ClientSampleId :

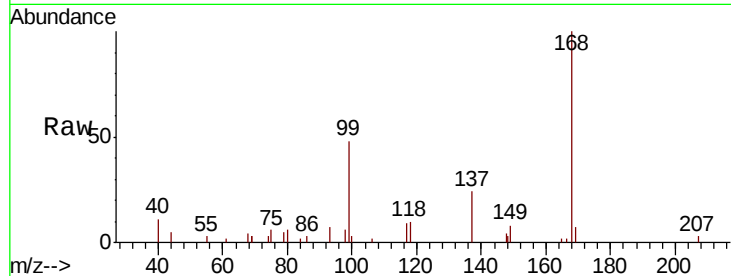
B308-B309-LOC2-SO-0003

Tot Ion:168 Resp: 18113

Ion Ratio Lower Upper

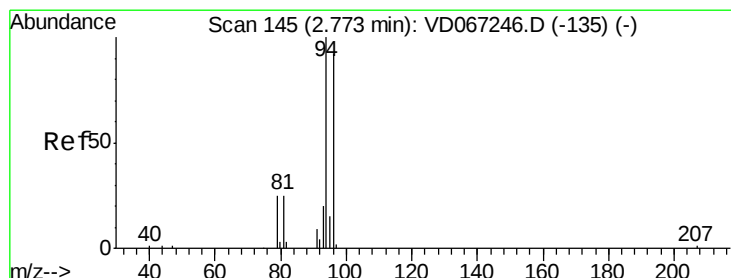
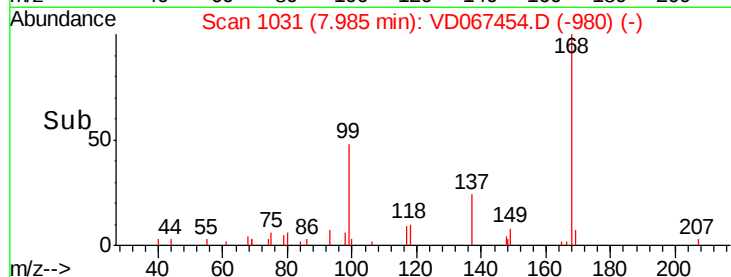
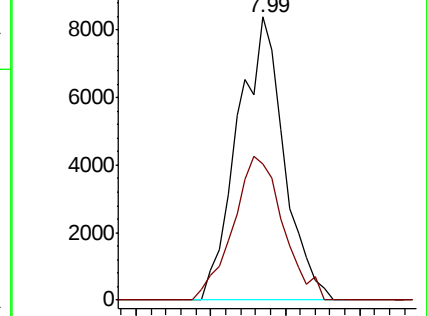
168 100

99 48.2 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067454.D

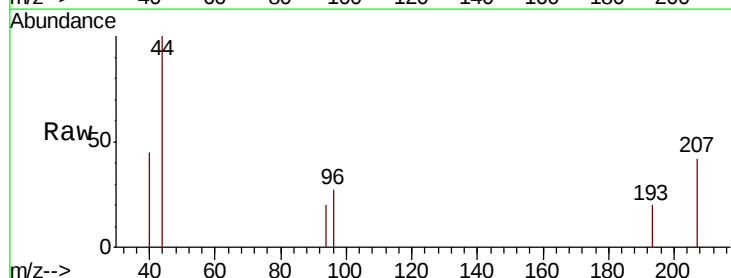
Acq: 29 Oct 2020 16:14

Tgt Ion: 94 Resp: 58

Ion Ratio Lower Upper

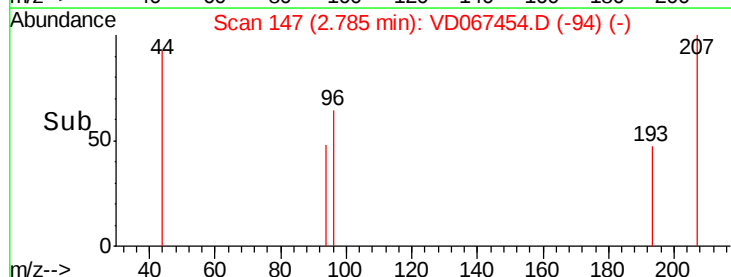
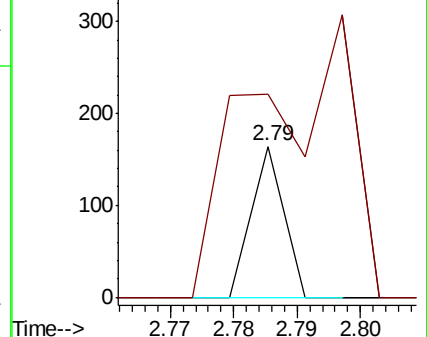
94 100

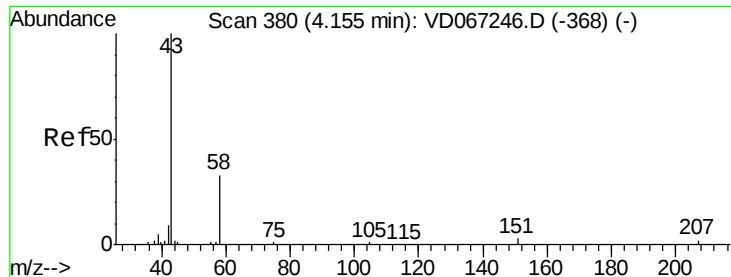
96 134.8 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 10.388 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067454.D

Acq: 29 Oct 2020 16:14

Instrument :

MSVOA_D

ClientSampleId :

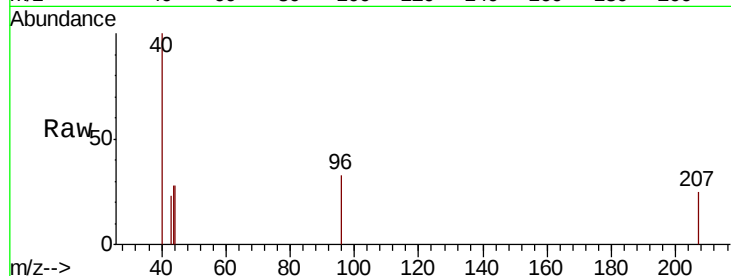
B308-B309-LOC2-SO-0003

Tot Ion: 43 Resp: 264

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

250

200

150

100

50

0

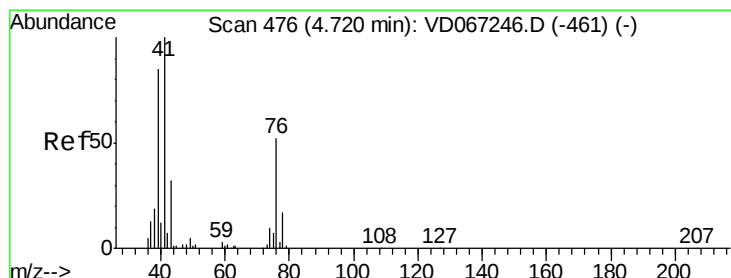
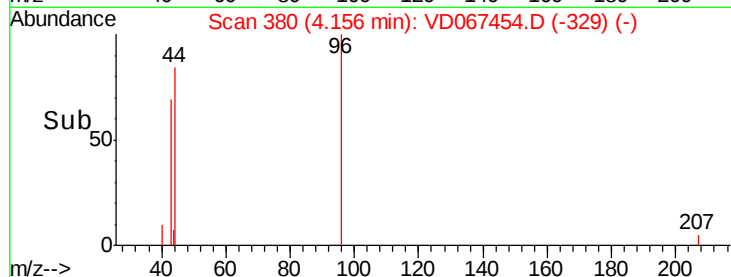
4.14

4.16

4.18

4.20

Time-->



#18

Methyl Acetate

Concen: 1.604 ug/l

RT: 4.51 min Scan# 441

Delta R.T. -0.21 min

Lab File: VD067454.D

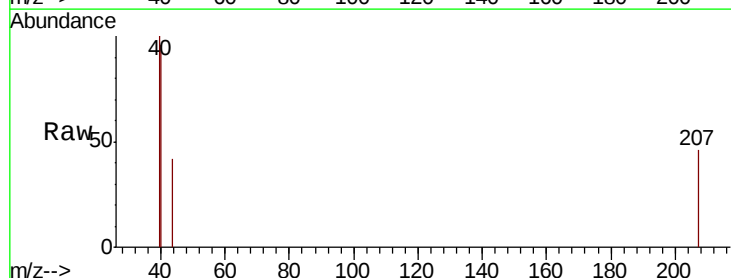
Acq: 29 Oct 2020 16:14

Tgt Ion: 43 Resp: 93

Ion Ratio Lower Upper

43 100

74 0.0 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

300

250

200

150

100

50

0

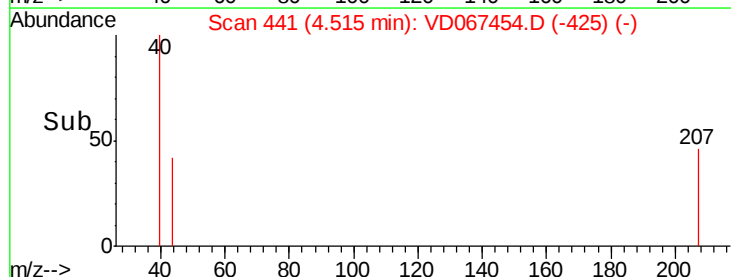
4.50

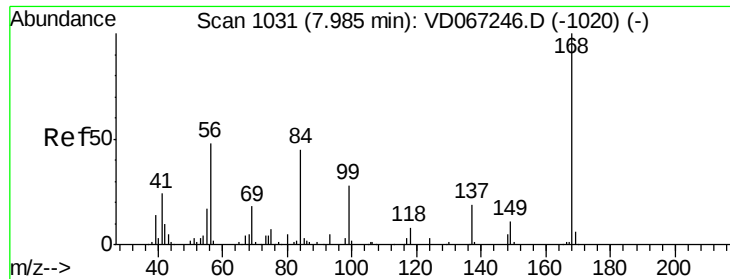
4.51

4.52

4.53

Time-->

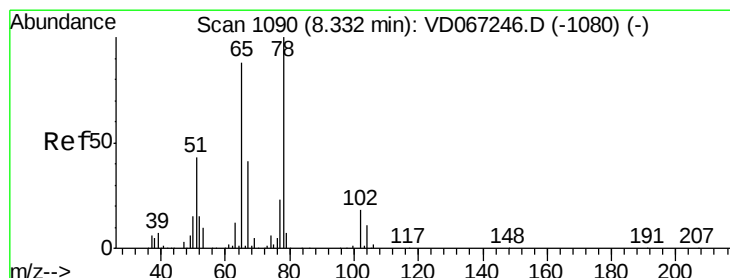
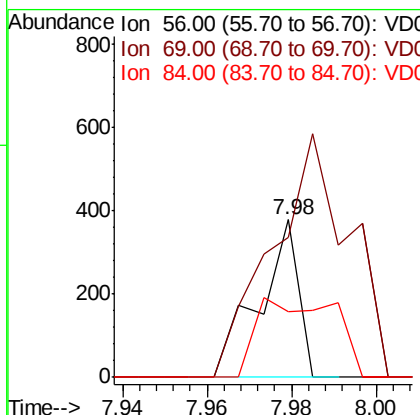
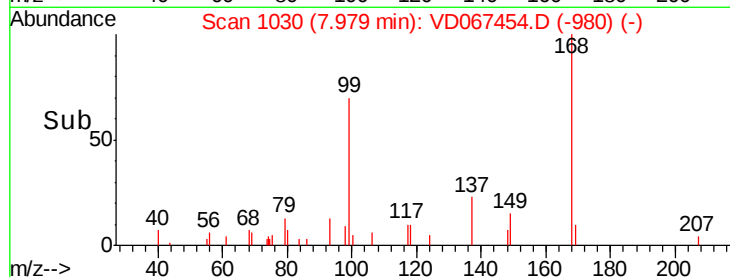
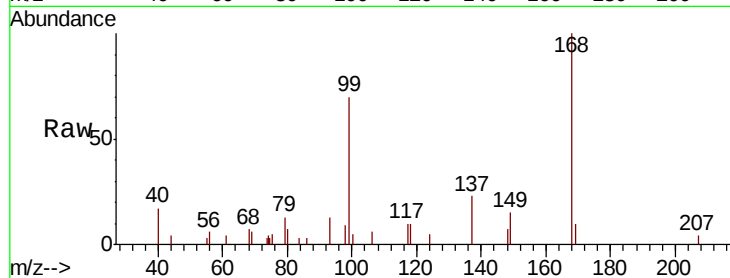




#31
Cyclohexane
Concen: 1.187 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067454.D
Acq: 29 Oct 2020 16:14

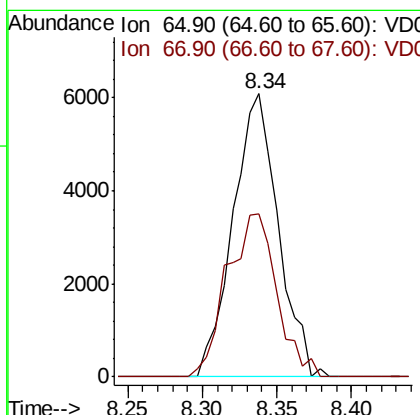
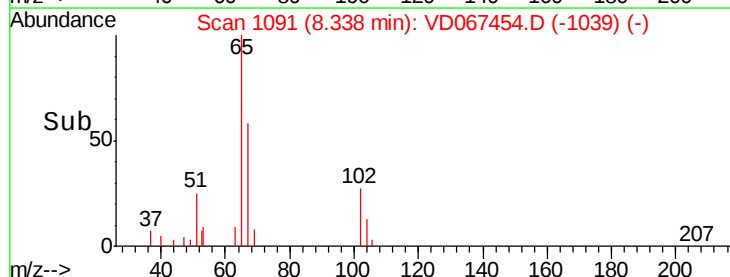
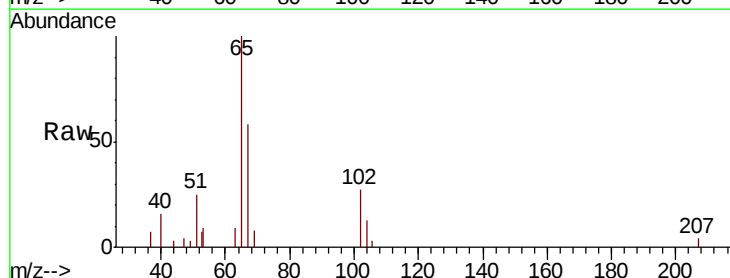
Instrument :
MSVOA_D
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B308-B309-LOC2-SO-0003

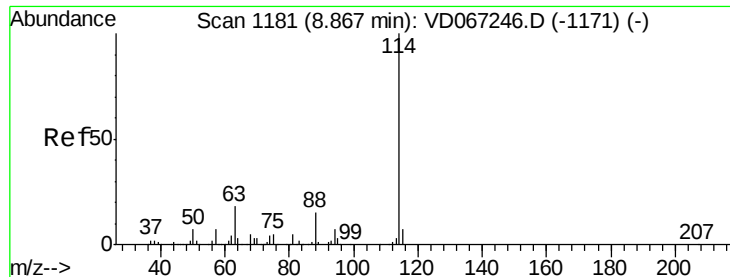
Tot Ion: 56 Resp: 248
Ion Ratio Lower Upper
56 100
69 89.2 29.8 44.6#
84 41.3 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 70.509 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD067454.D
Acq: 29 Oct 2020 16:14

Tgt Ion: 65 Resp: 12795
Ion Ratio Lower Upper
65 100
67 63.2 0.0 103.8

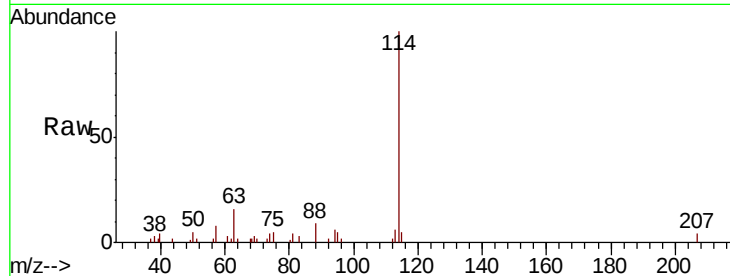




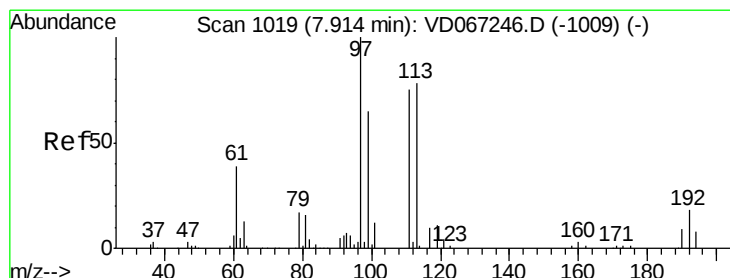
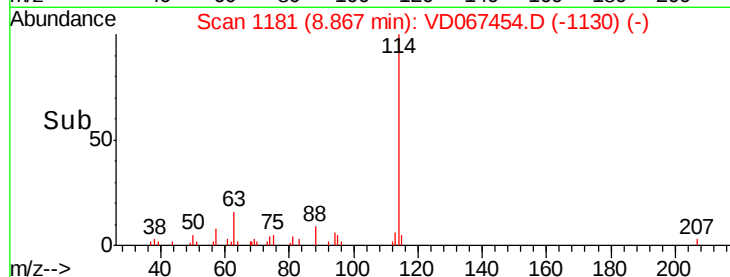
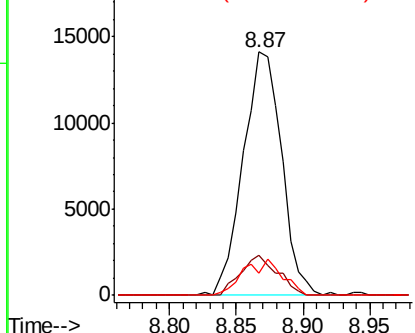
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067454.D
 Acq: 29 Oct 2020 16:14

Instrument :
 MSVOA_D
 ClientSampleId :
 B308-B309-LOC2-SO-0003

Tot Ion	Ratio	Lower	Upper
114	100		
63	16.4	0.0	35.0
88	9.2	0.0	30.6

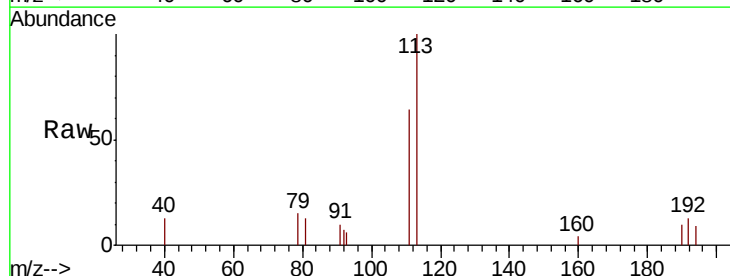


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

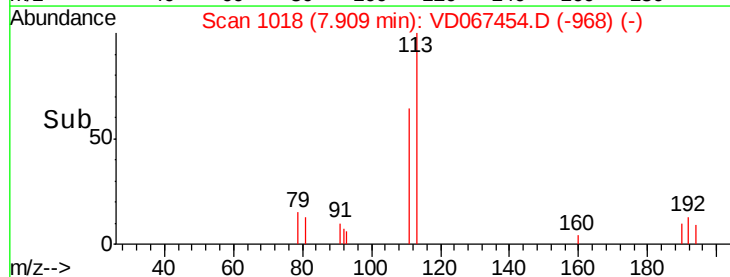
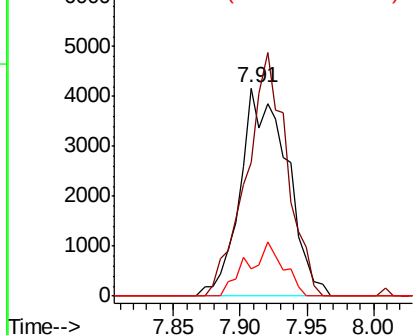


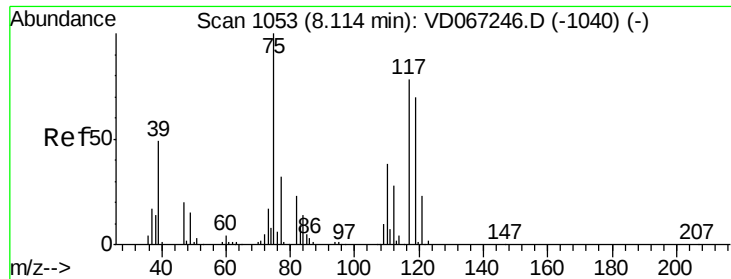
#35
 Dibromofluoromethane
 Concen: 54.088 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD067454.D
 Acq: 29 Oct 2020 16:14

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.6	122.4
192	20.1	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: 6.757 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD067454.D

Acq: 29 Oct 2020 16:14

Instrument :

MSVOA_D

ClientSampleId :

B308-B309-LOC2-SO-0003

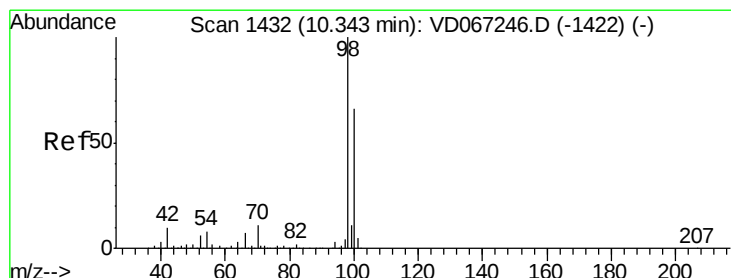
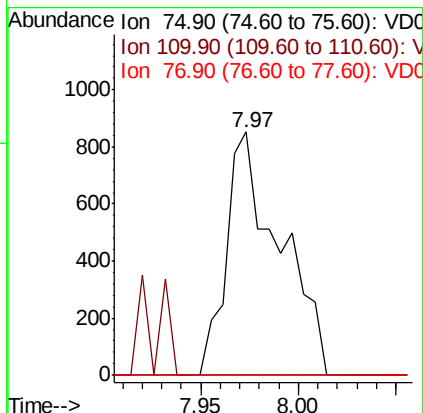
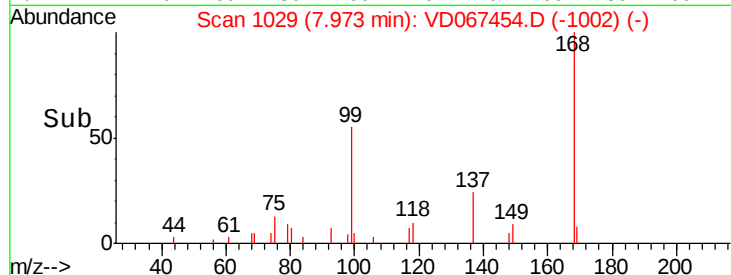
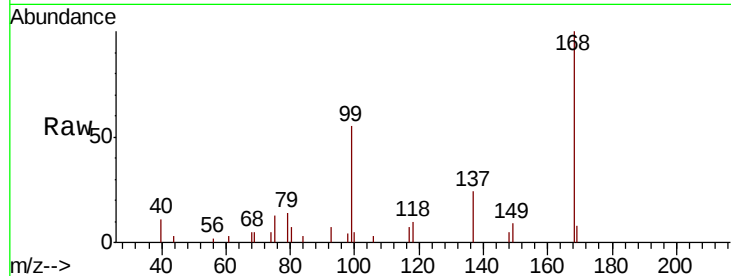
Tot Ion: 75 Resp: 1611

Ion Ratio Lower Upper

75 100

110 0.0 19.6 58.7#

77 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 47.691 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067454.D

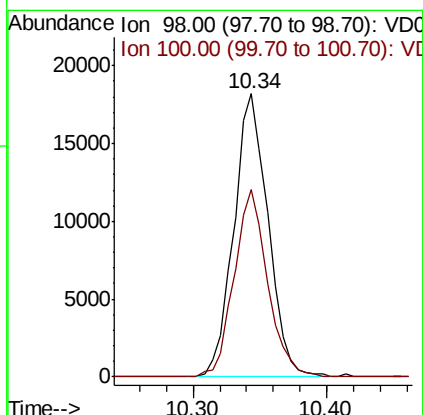
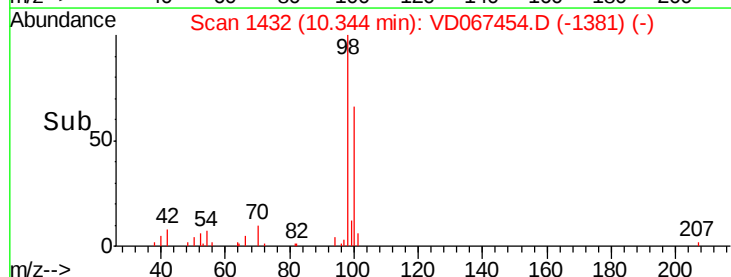
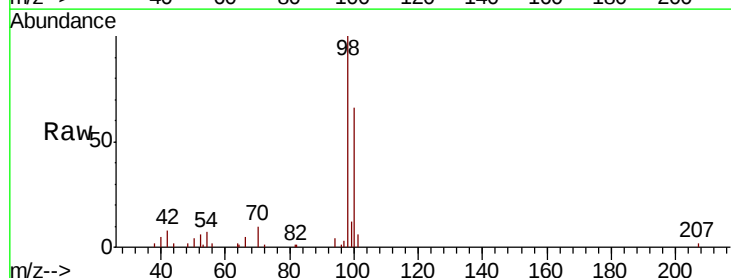
Acq: 29 Oct 2020 16:14

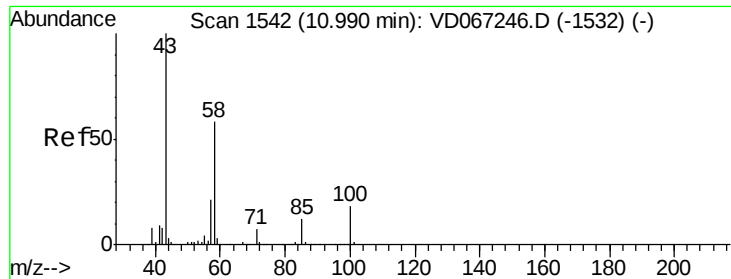
Tgt Ion: 98 Resp: 32311

Ion Ratio Lower Upper

98 100

100 64.7 53.1 79.7

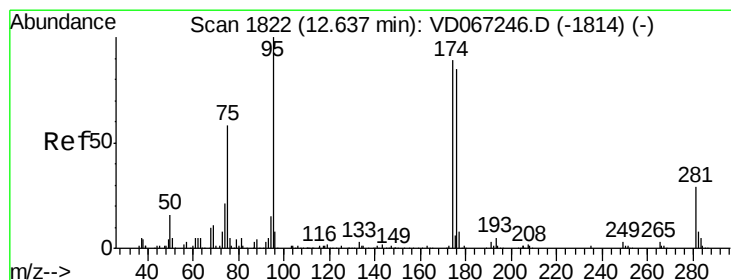
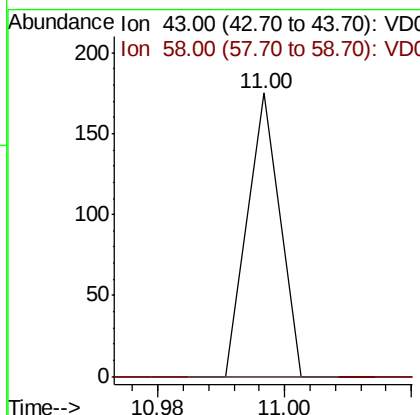
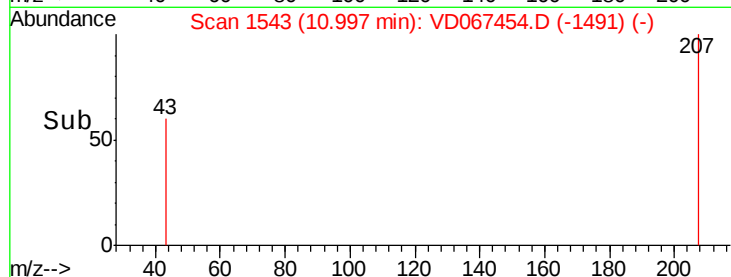
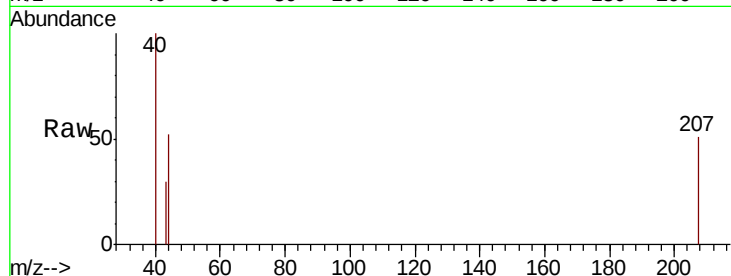




#59
2-Hexanone
Concen: 1.307 ug/l
RT: 11.00 min Scan# 1543
Delta R.T. 0.01 min
Lab File: VD067454.D
Acq: 29 Oct 2020 16:14

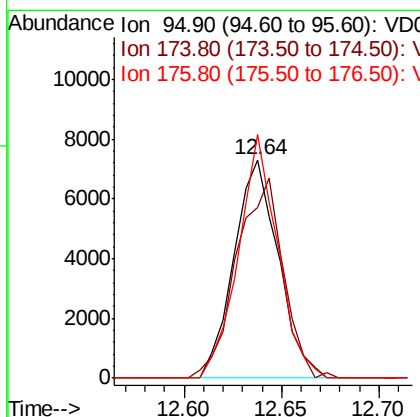
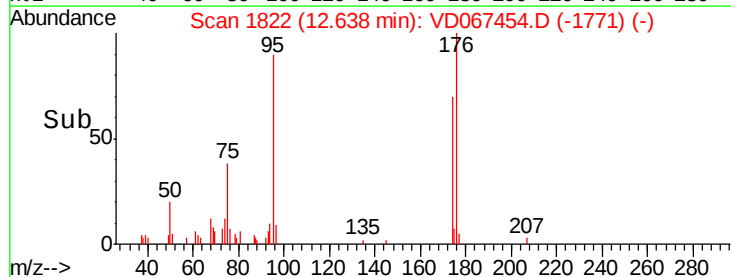
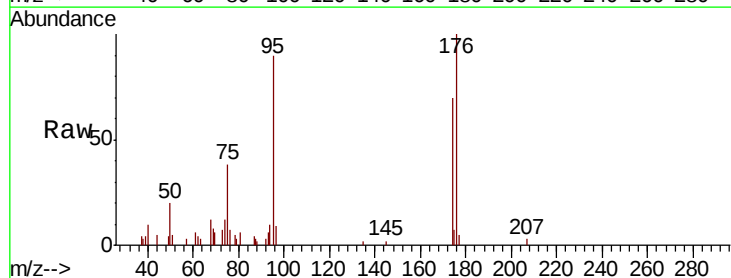
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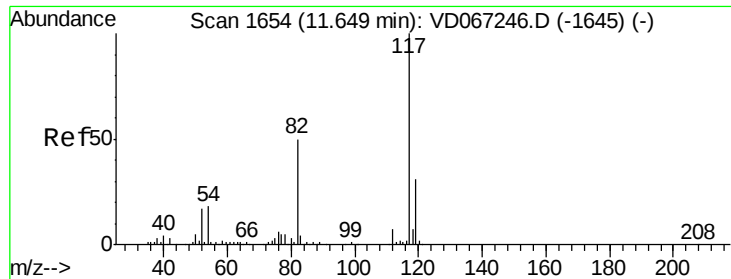
Tot Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
58 0.0 29.3 87.9#



#62
4-Bromofluorobenzene
Concen: 48.790 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067454.D
Acq: 29 Oct 2020 16:14

Tgt Ion: 95 Resp: 11494
Ion Ratio Lower Upper
95 100
174 96.0 0.0 175.2
176 99.1 0.0 168.6

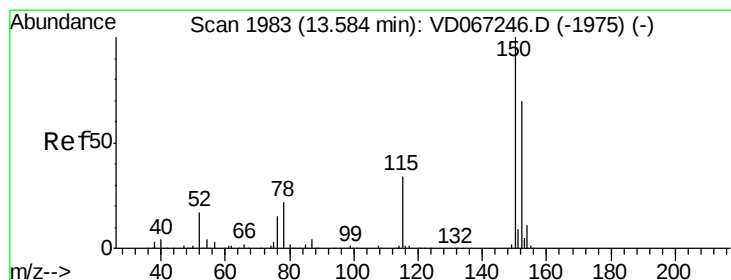
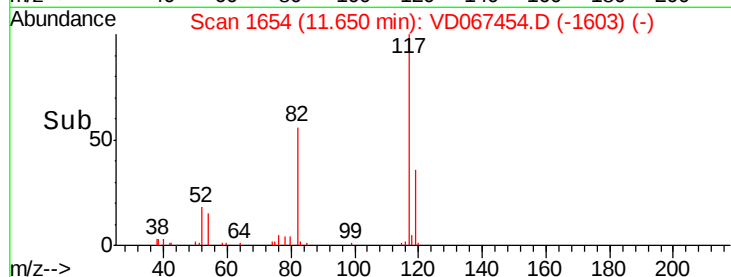
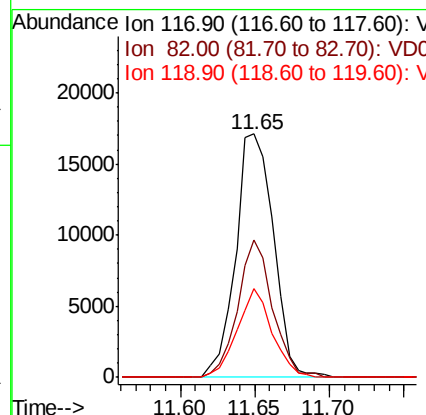
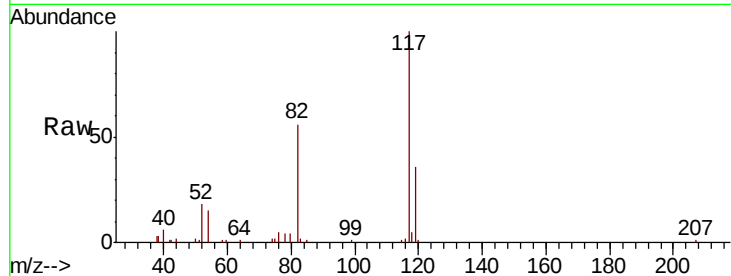




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067454.D
Acq: 29 Oct 2020 16:14

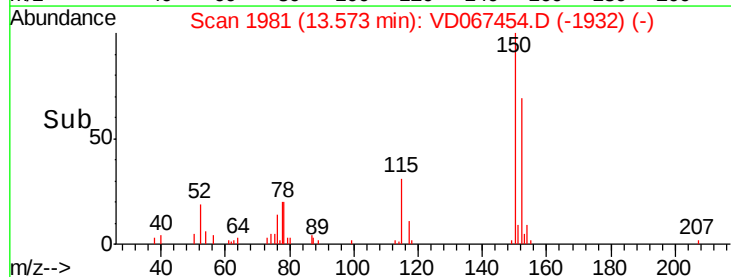
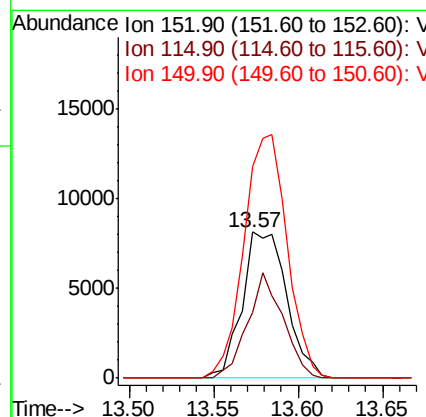
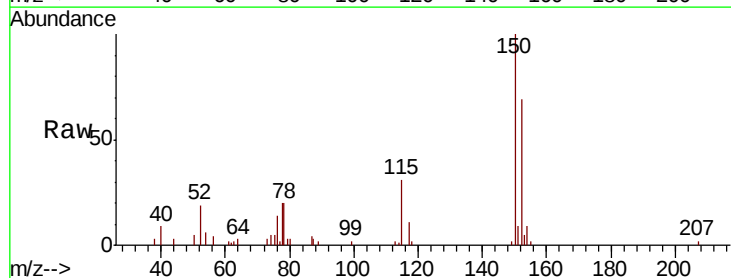
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B308-B309-LOC2-SO-0003

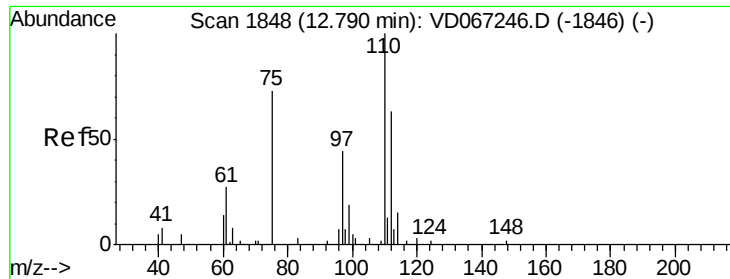
Tot Ion:117 Resp: 30184
Ion Ratio Lower Upper
117 100
82 56.3 39.9 59.9
119 36.2 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.01 min
Lab File: VD067454.D
Acq: 29 Oct 2020 16:14

Tgt Ion:152 Resp: 14893
Ion Ratio Lower Upper
152 100
115 57.5 29.3 87.9
150 161.6 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 62.186 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD067454.D

Acq: 29 Oct 2020 16:14

Instrument :

MSVOA_D

ClientSampleId :

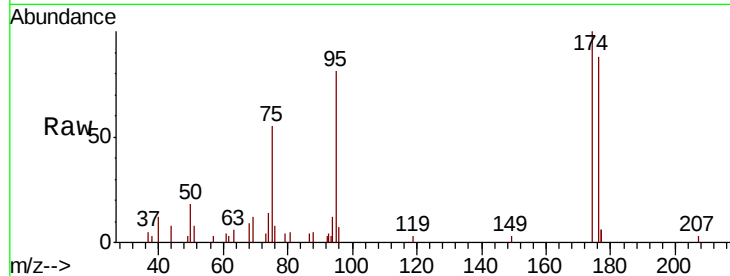
B308-B309-LOC2-SO-0003

Tot Ion: 75 Resp: 6419

Ion Ratio Lower Upper

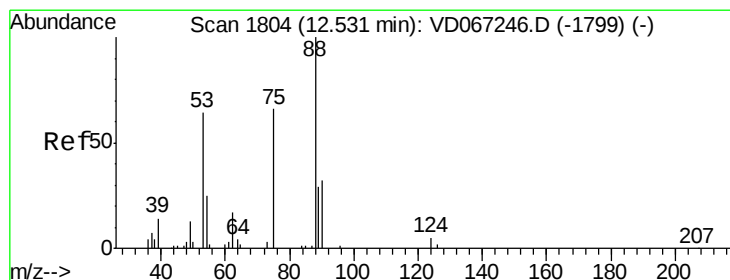
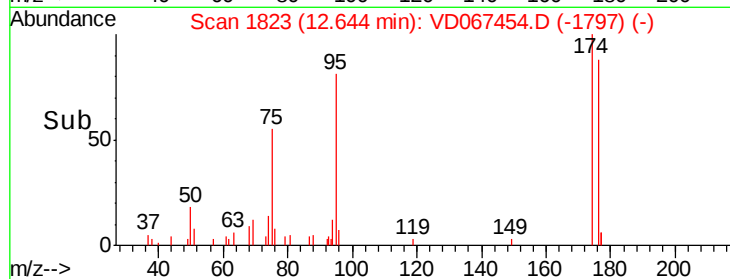
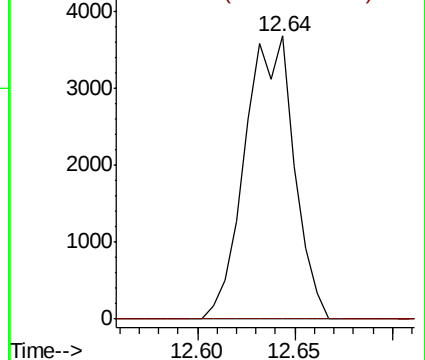
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 141.019 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD067454.D

Acq: 29 Oct 2020 16:14

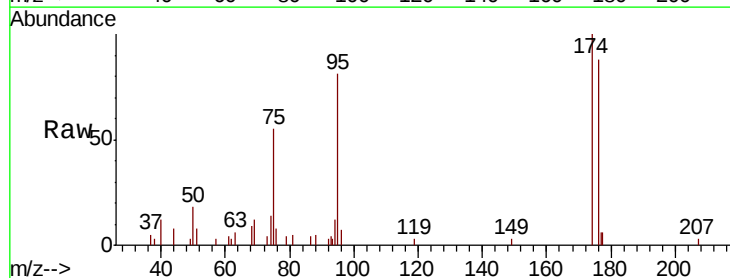
Tgt Ion: 75 Resp: 6419

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

