

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103020\
 Data File : VD067469.D
 Acq On : 30 Oct 2020 13:27
 Operator : VA/SY
 Sample : L4560-02
 Misc : 6.21G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Oct 30 14:16:09 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	40135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	62016	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	67411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	34060	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	29974	74.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	149.10%	
35) Dibromofluoromethane	7.92	113	22437	54.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.72%	
50) Toluene-d8	10.34	98	75154	50.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.64	95	28089	54.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.16%	

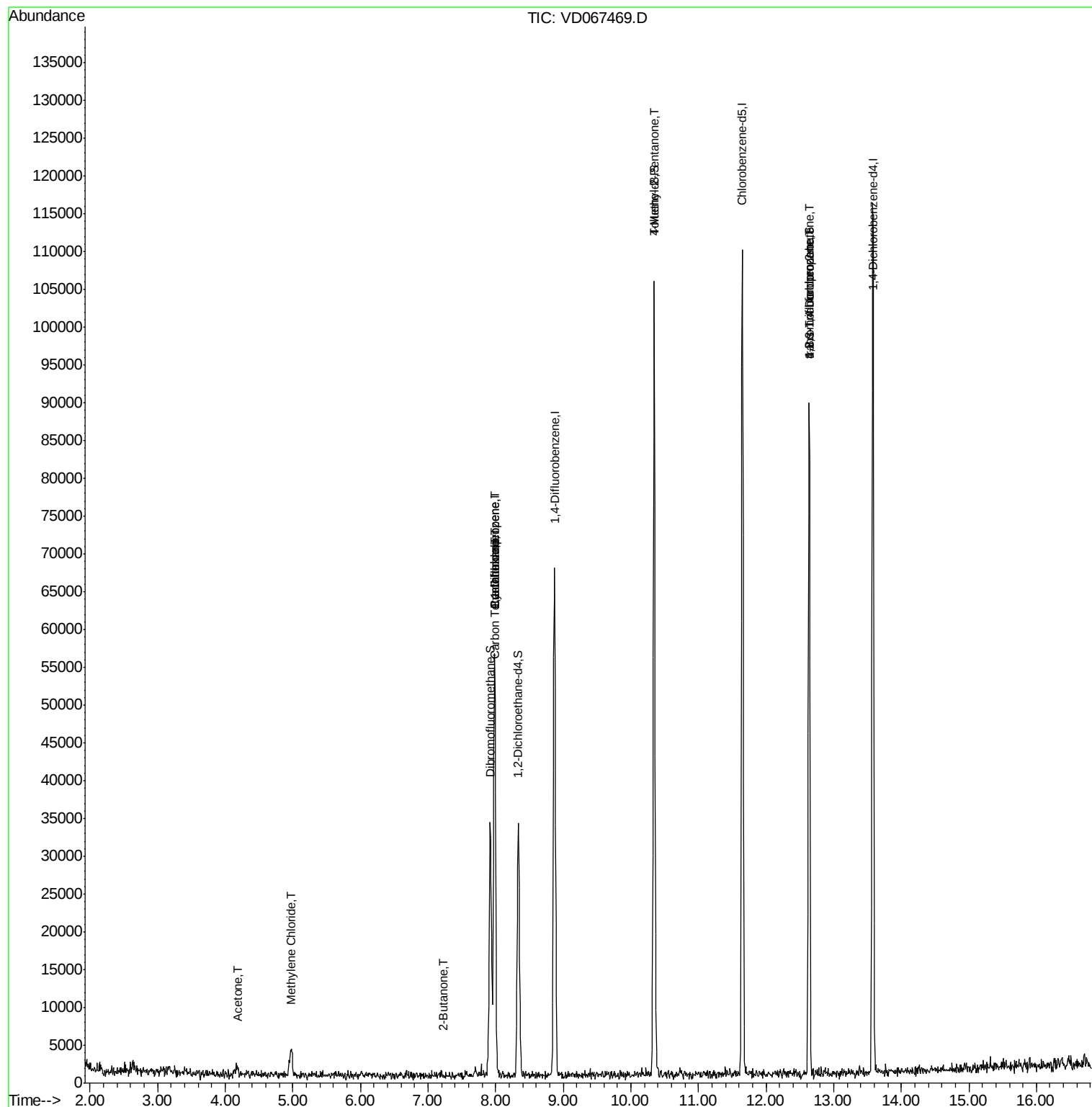
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	80	Below Cal	#	3
16) Acetone	4.17	43	2557	45.407	ug/l #	42
20) Methylene Chloride	4.99	84	2852	3.755	ug/l #	82
25) 2-Butanone	7.23	43	143	2.228	ug/l #	45
31) Cyclohexane	7.99	56	741	1.600	ug/l #	45
36) 1,1-Dichloropropene	7.98	75	2989	5.687	ug/l #	44
38) Carbon Tetrachloride	8.00	117	4662	6.940	ug/l #	13
51) 4-Methyl-2-Pentanone	10.34	43	159	1.039	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	14657	62.088	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	14657	140.797	ug/l #	10

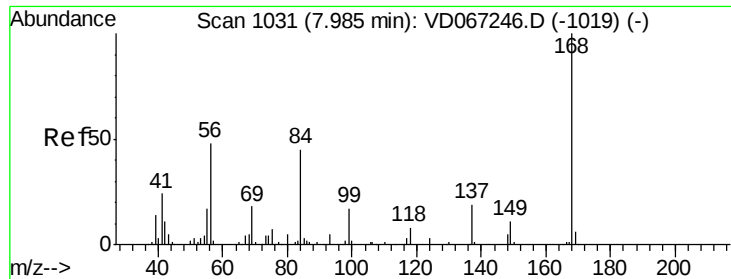
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 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: VD067469.D

Acq: 30 Oct 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

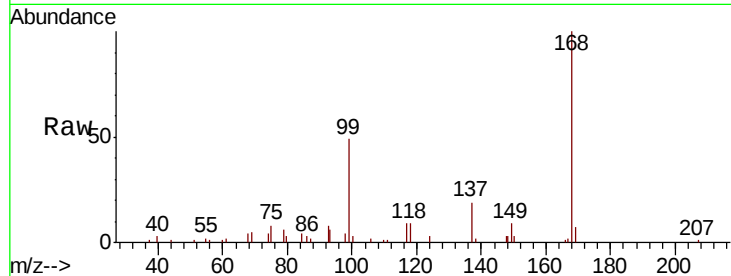
B308-B309-LOC1-SO-0002

Tot Ion:168 Resp: 40135

Ion Ratio Lower Upper

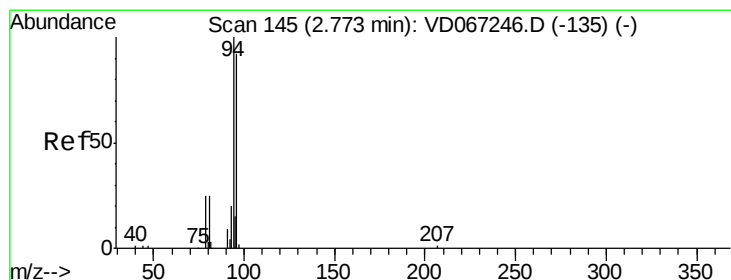
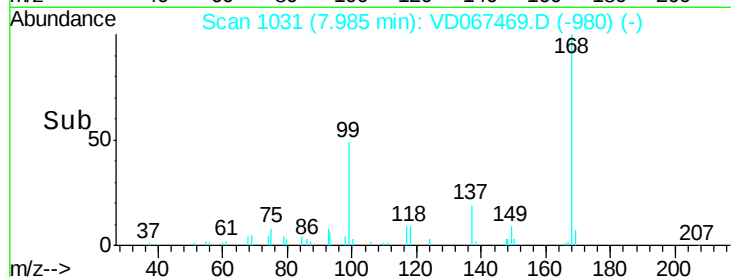
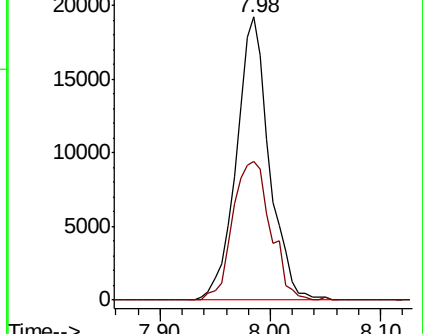
168 100

99 48.8 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: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067469.D

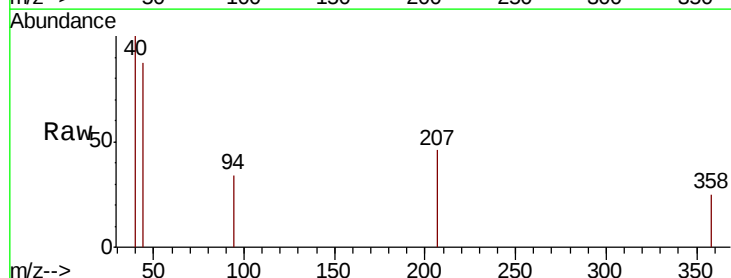
Acq: 30 Oct 2020 13:27

Tgt Ion: 94 Resp: 80

Ion Ratio Lower Upper

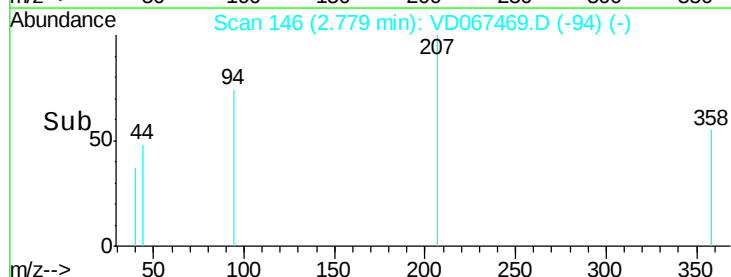
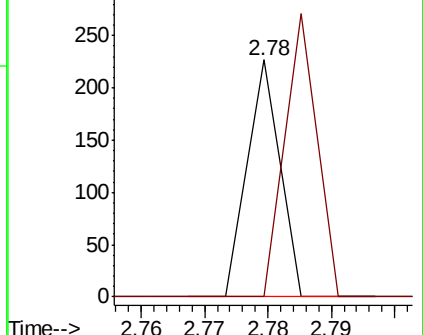
94 100

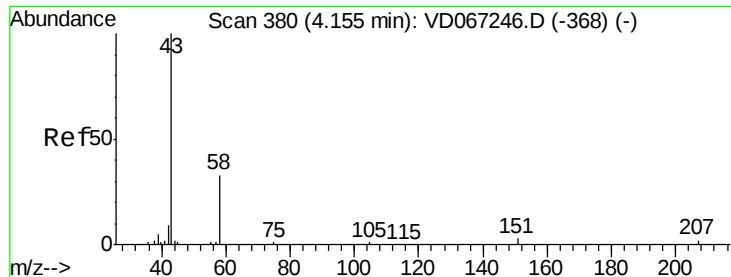
96 0.0 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 45.407 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.02 min

Lab File: VD067469.D

Acq: 30 Oct 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

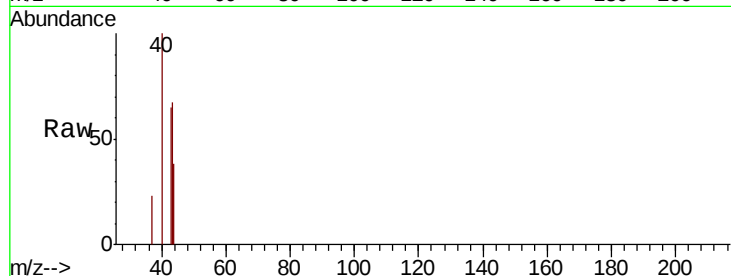
B308-B309-LOC1-SO-0002

Tot Ion: 43 Resp: 2557

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

4.17

800

600

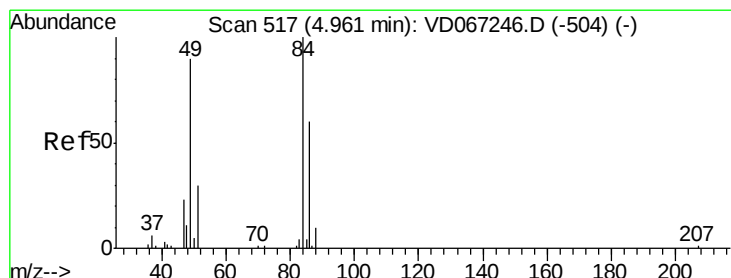
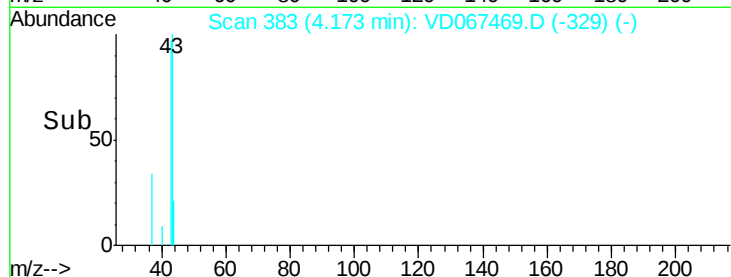
400

200

0

4.10 4.15 4.20 4.25

Time-->



#20

Methylene Chloride

Concen: 3.755 ug/l

RT: 4.99 min Scan# 521

Delta R.T. 0.02 min

Lab File: VD067469.D

Acq: 30 Oct 2020 13:27

Tgt Ion: 84 Resp: 2852

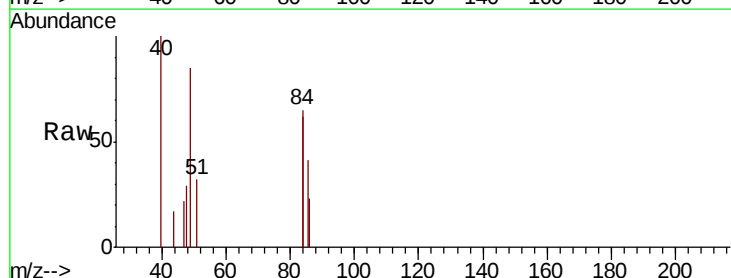
Ion Ratio Lower Upper

84 100

49 66.8 72.2 108.2#

51 25.3 23.8 35.8

86 50.6 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

1500

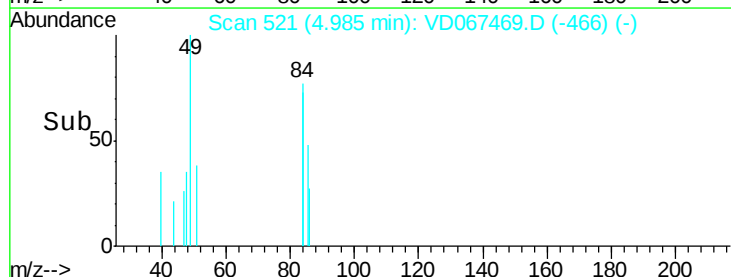
1000

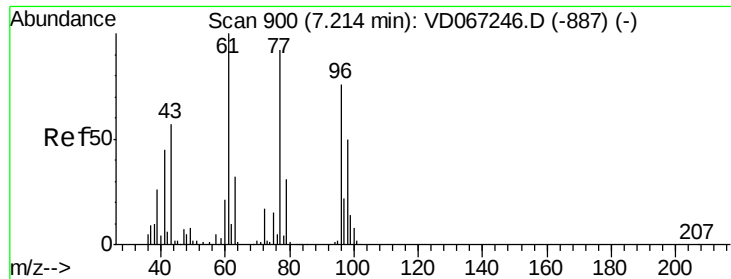
500

0

4.90 4.95 5.00

Time-->





#25

2-Butanone

Concen: 2.228 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD067469.D

Acq: 30 Oct 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

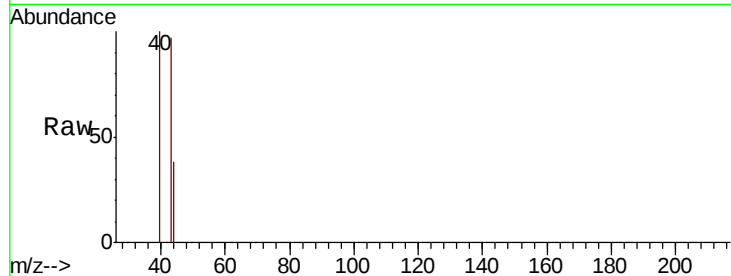
B308-B309-LOC1-SO-0002

Tot Ion: 43 Resp: 143

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.23

400

300

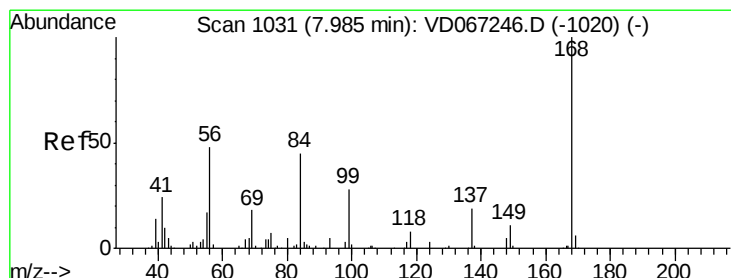
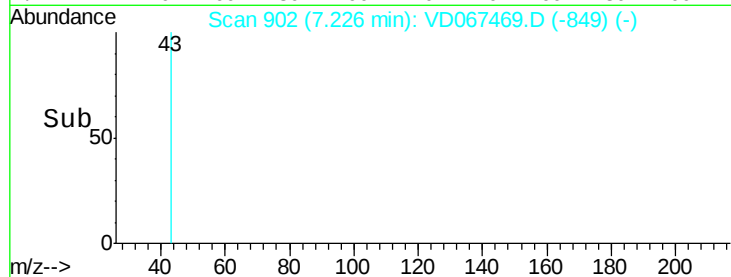
200

100

0

7.21 7.22 7.23 7.24

Time-->



#31

Cyclohexane

Concen: 1.600 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD067469.D

Acq: 30 Oct 2020 13:27

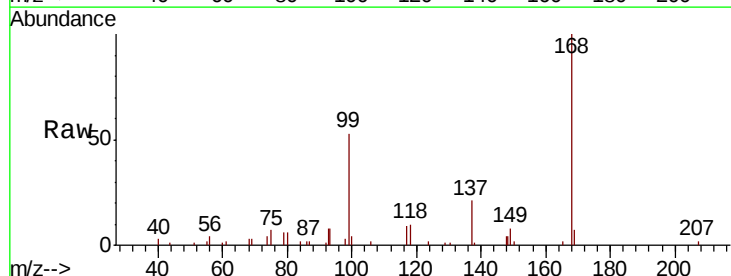
Tgt Ion: 56 Resp: 741

Ion Ratio Lower Upper

56 100

69 77.7 29.8 44.6#

84 47.3 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

1200

1000

800

600

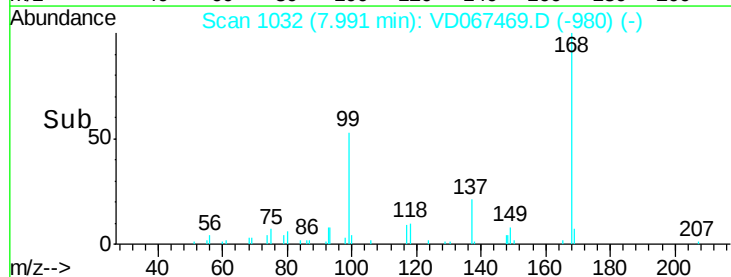
400

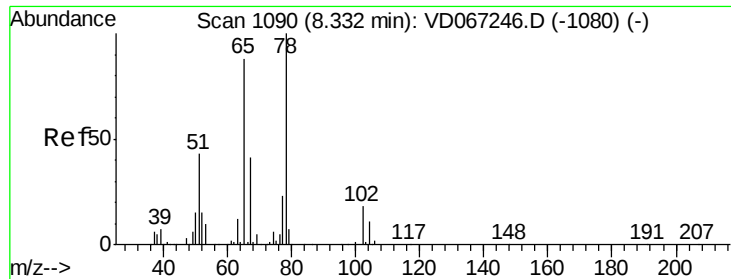
200

0

7.95 8.00

Time-->





#33

1,2-Dichloroethane-d4

Concen: 74.545 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067469.D

Acq: 30 Oct 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

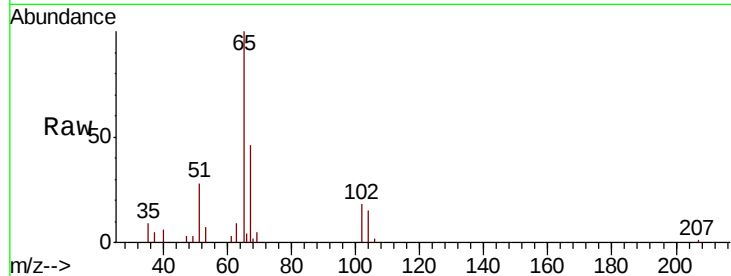
B308-B309-LOC1-SO-0002

Tot Ion: 65 Resp: 29974

Ion Ratio Lower Upper

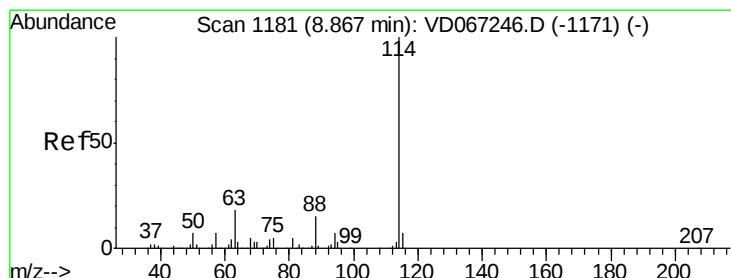
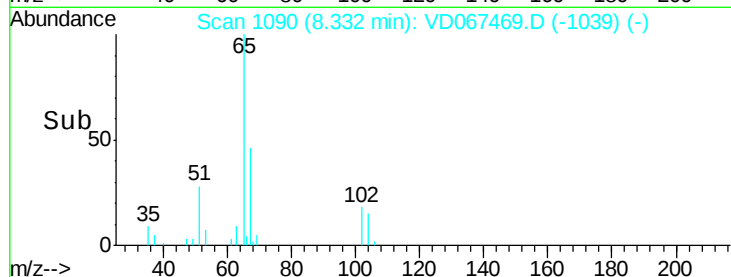
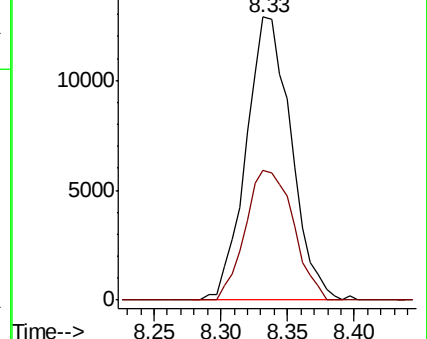
65 100

67 48.8 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# 1182

Delta R.T. 0.01 min

Lab File: VD067469.D

Acq: 30 Oct 2020 13:27

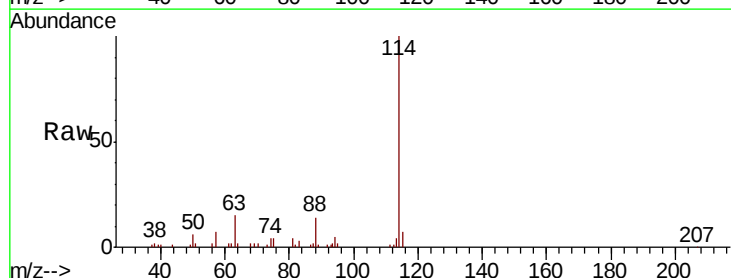
Tgt Ion: 114 Resp: 62016

Ion Ratio Lower Upper

114 100

63 15.5 0.0 35.0

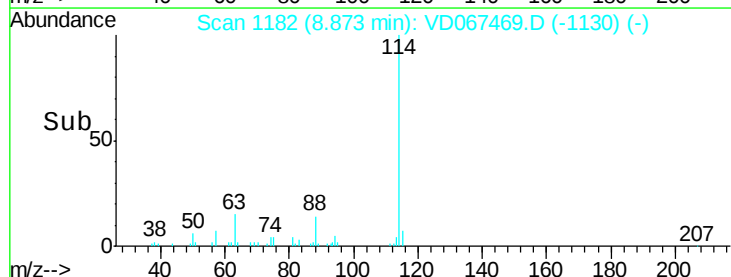
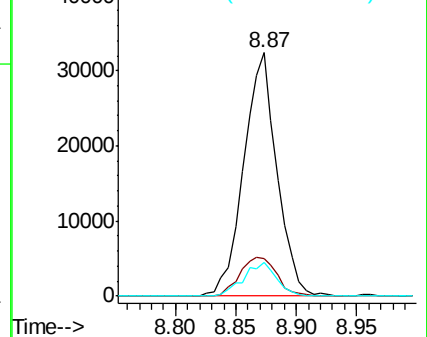
88 13.6 0.0 30.6

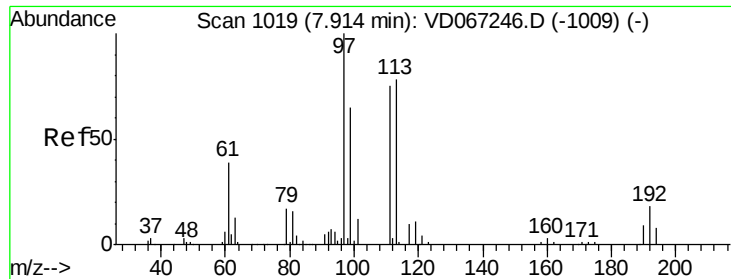


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

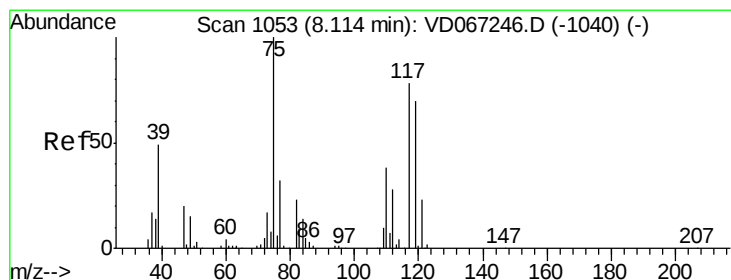
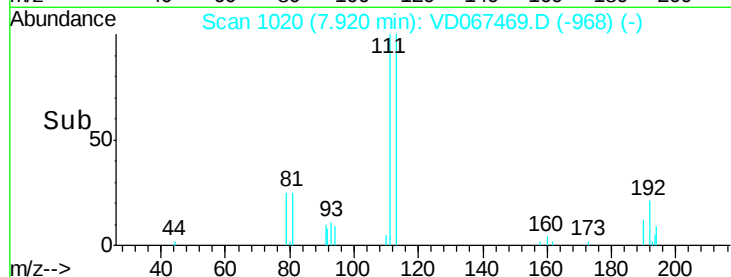
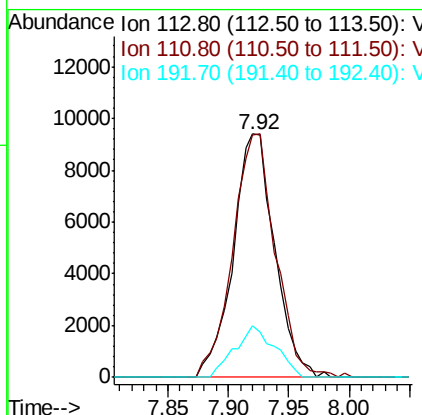
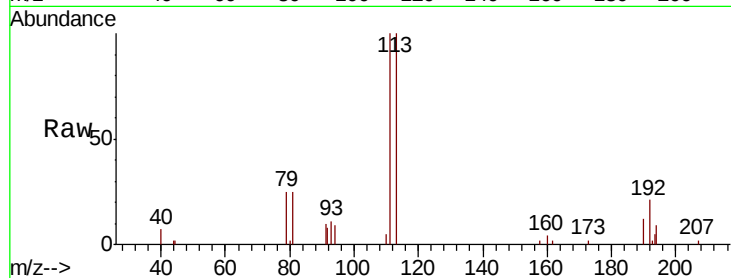




#35
 Dibromofluoromethane
 Concen: 54.364 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067469.D
 Acq: 30 Oct 2020 13:27

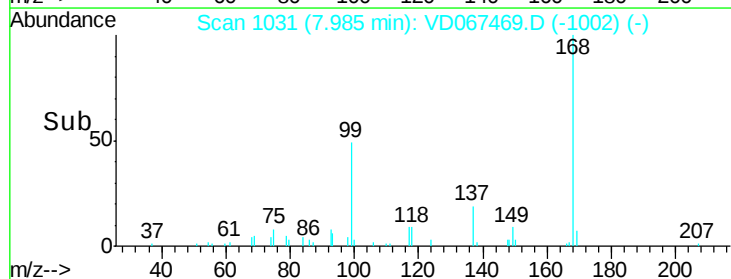
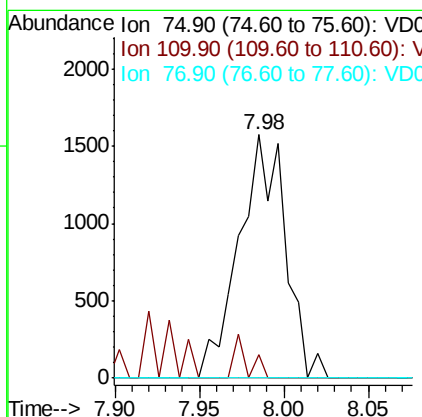
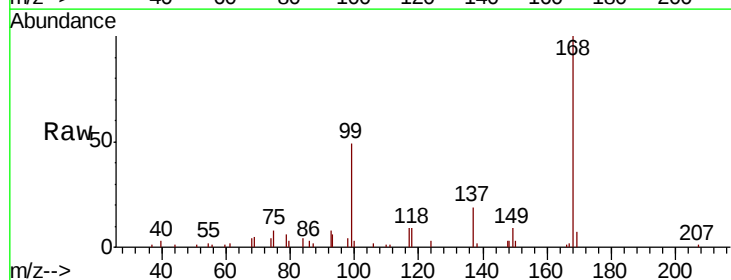
Instrument :
 MSVOA_D
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 B308-B309-LOC1-SO-0002

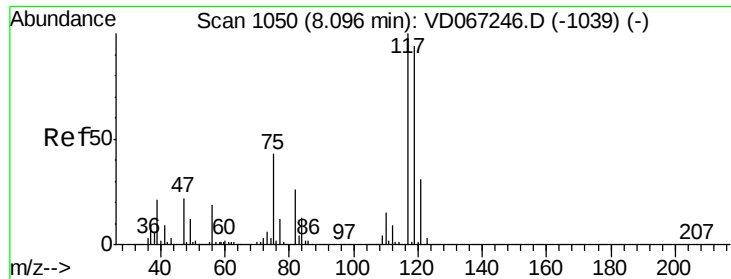
Tot Ion:113 Resp: 22437
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.6 122.4
 192 20.5 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 5.687 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067469.D
 Acq: 30 Oct 2020 13:27

Tgt Ion: 75 Resp: 2989
 Ion Ratio Lower Upper
 75 100
 110 5.2 19.6 58.7#
 77 0.0 24.6 37.0#

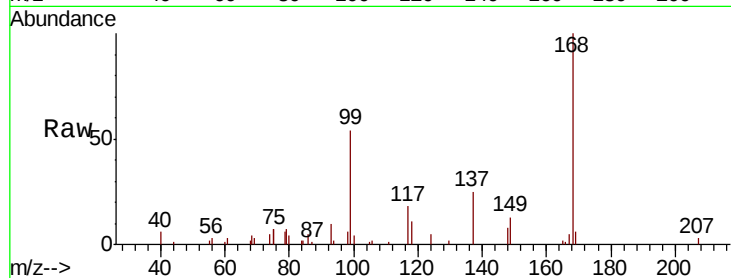




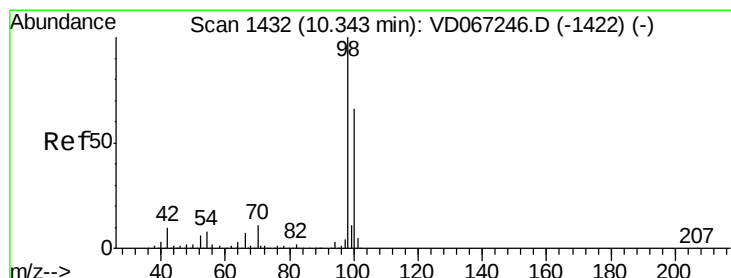
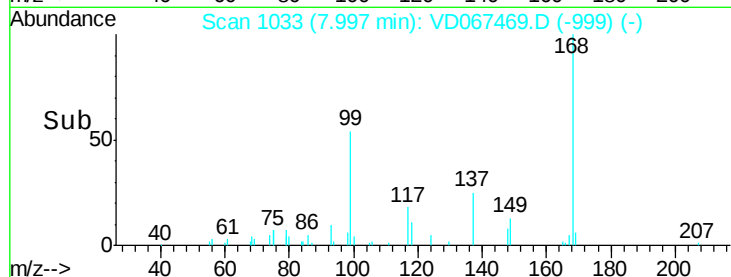
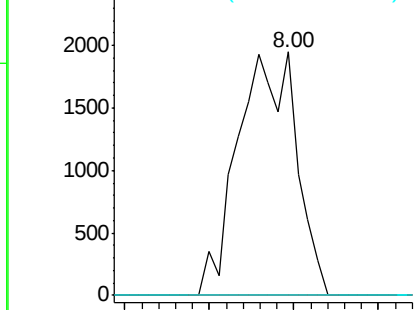
#38
Carbon Tetrachloride
Concen: 6.940 ug/l
RT: 8.00 min Scan# 1033
Delta R.T. -0.10 min
Lab File: VD067469.D
Acq: 30 Oct 2020 13:27

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

Tot Ion:117 Resp: 4662
Ion Ratio Lower Upper
117 100
119 0.0 75.0 112.4#
121 0.0 24.9 37.3#

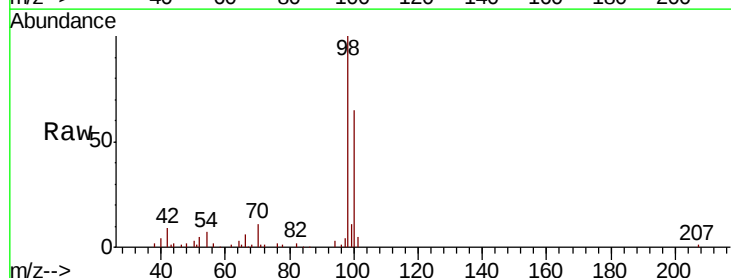


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

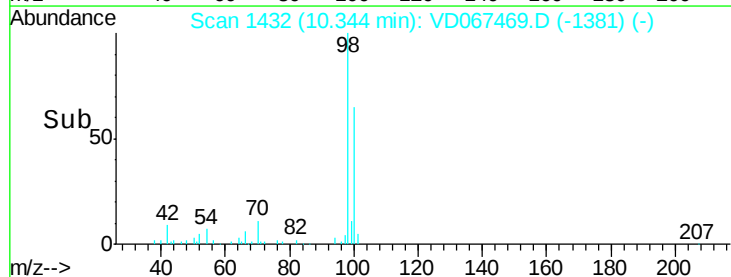
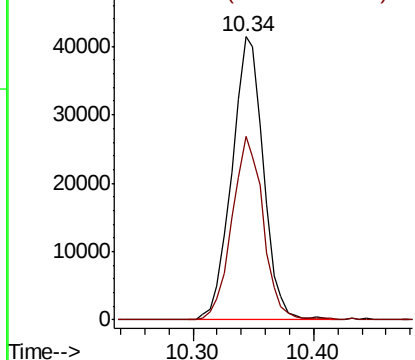


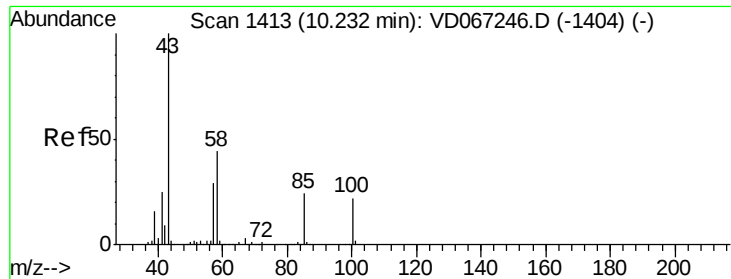
#50
Toluene-d8
Concen: 50.318 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067469.D
Acq: 30 Oct 2020 13:27

Tgt Ion: 98 Resp: 75154
Ion Ratio Lower Upper
98 100
100 64.4 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: 1.039 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067469.D

Acq: 30 Oct 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

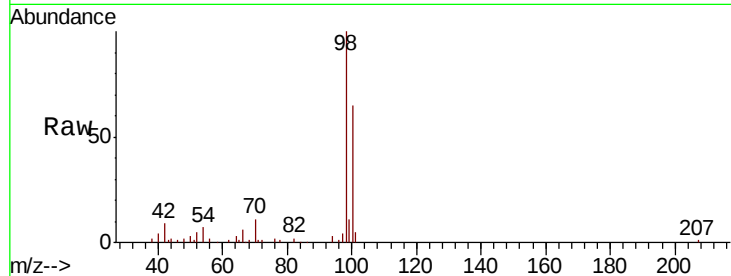
B308-B309-LOC1-SO-0002

Tot Ion: 43 Resp: 159

Ion Ratio Lower Upper

43 100

58 345.9 35.7 53.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

600

500

400

300

200

100

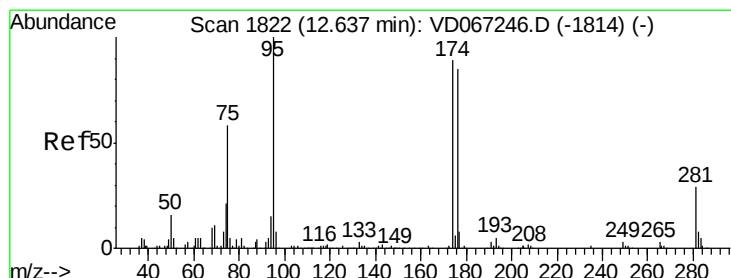
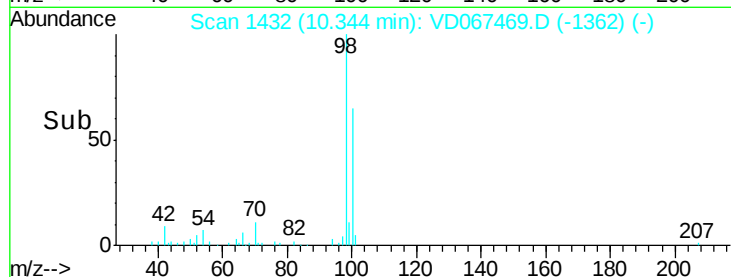
0

10.32

10.34

10.36

Time-->



#62

4-Bromofluorobenzene

Concen: 54.085 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067469.D

Acq: 30 Oct 2020 13:27

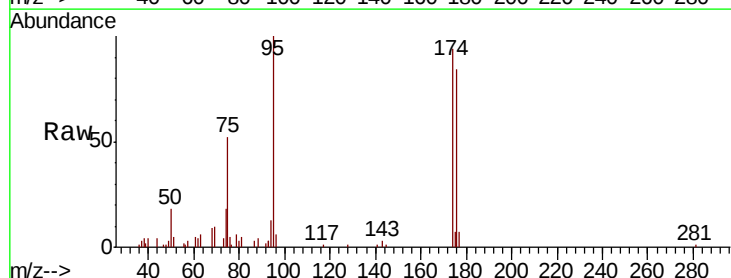
Tgt Ion: 95 Resp: 28089

Ion Ratio Lower Upper

95 100

174 96.9 0.0 175.2

176 87.1 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

20000

15000

10000

5000

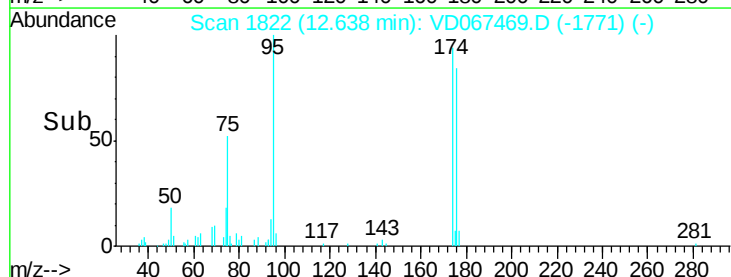
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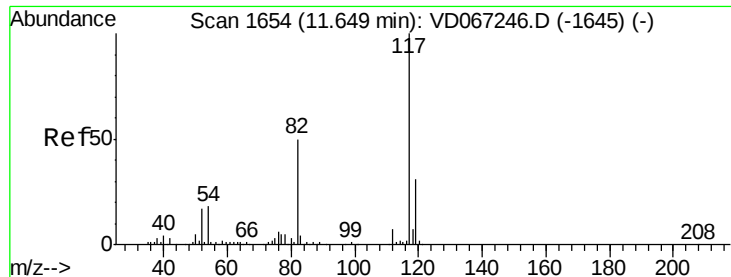
12.60

12.64

12.70

Time-->

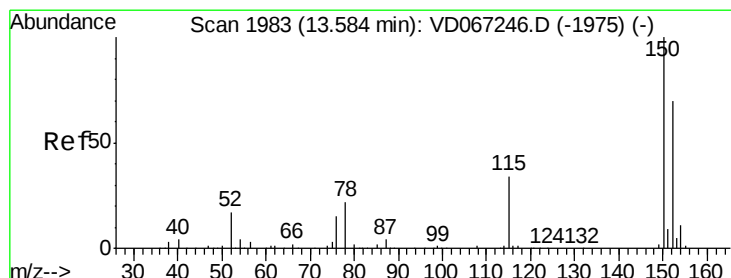
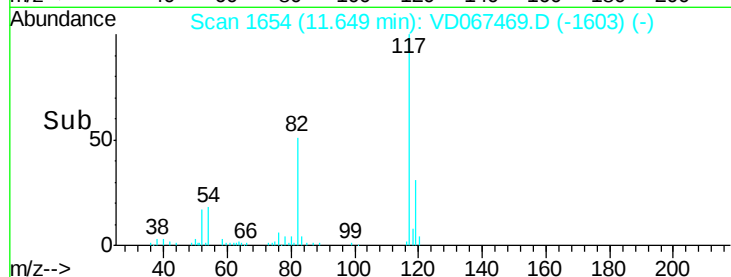
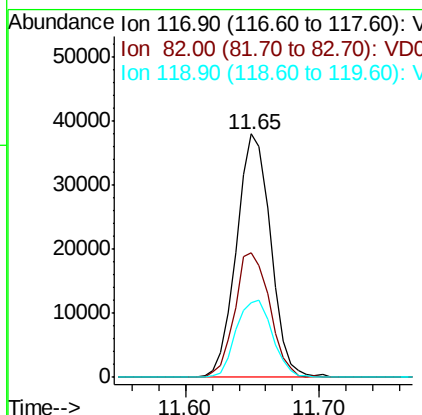
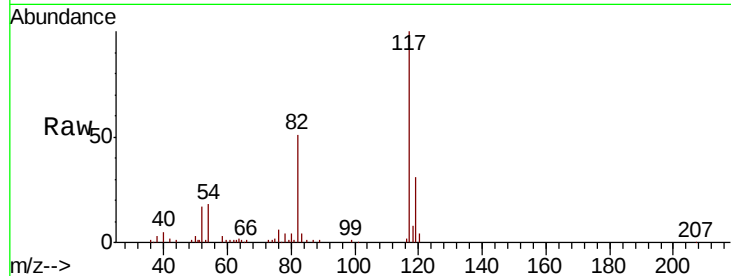




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067469.D
Acq: 30 Oct 2020 13:27

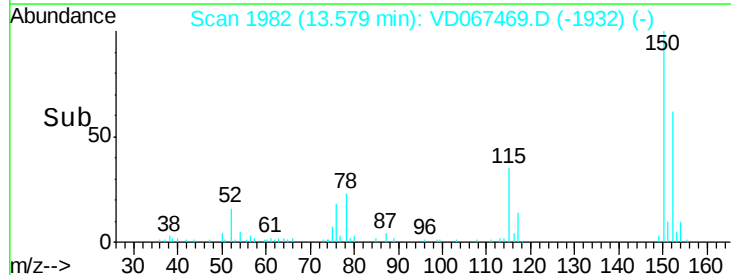
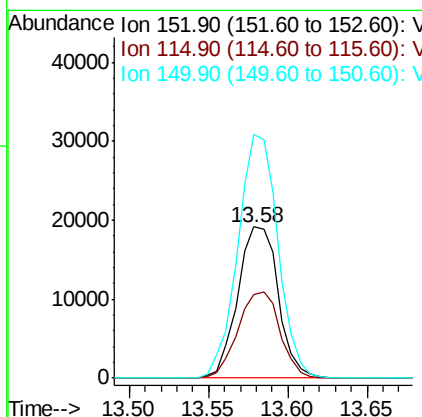
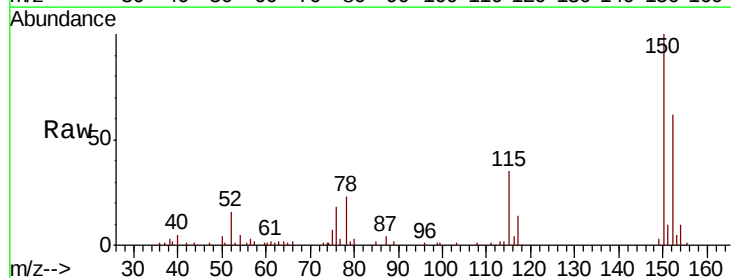
Instrument :
MSVOA_D
ClientSampleId :
B308-B309-LOC1-SO-0002

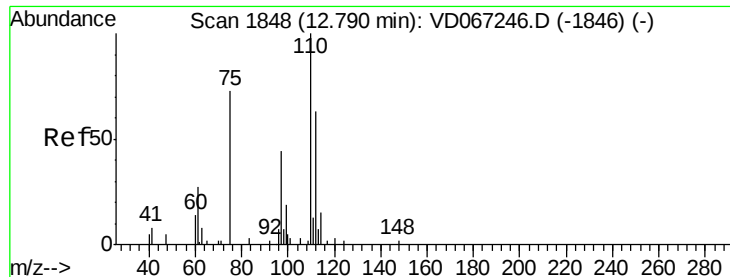
Tot Ion:117 Resp: 67411
Ion Ratio Lower Upper
117 100
82 51.4 39.9 59.9
119 30.6 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067469.D
Acq: 30 Oct 2020 13:27

Tgt Ion:152 Resp: 34060
Ion Ratio Lower Upper
152 100
115 58.8 29.3 87.9
150 158.9 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 62.088 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067469.D

Acq: 30 Oct 2020 13:27

Instrument :

MSVOA_D

ClientSampleId :

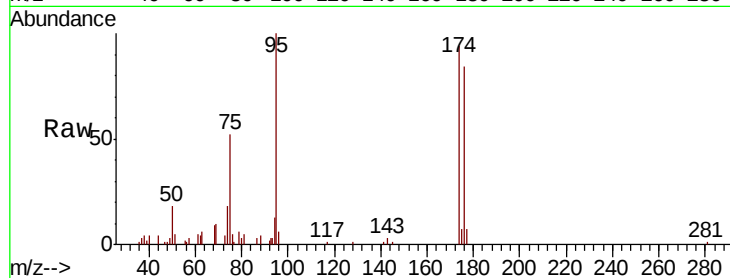
B308-B309-LOC1-SO-0002

Tot Ion: 75 Resp: 14657

Ion Ratio Lower Upper

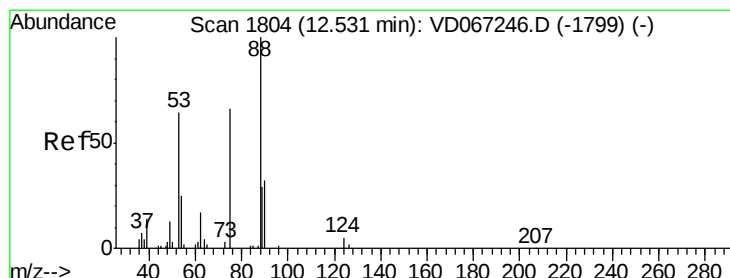
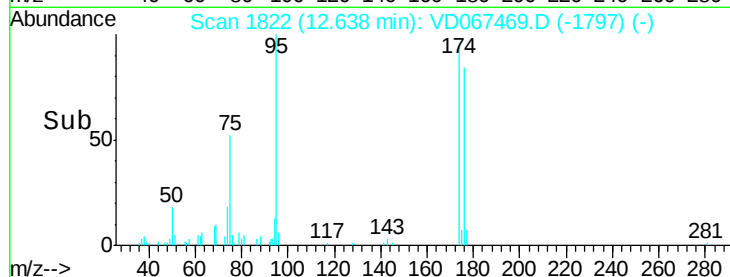
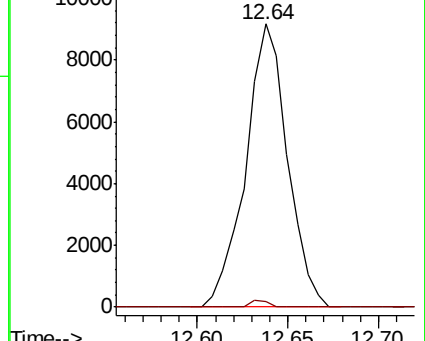
75 100

77 0.9 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: 140.797 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067469.D

Acq: 30 Oct 2020 13:27

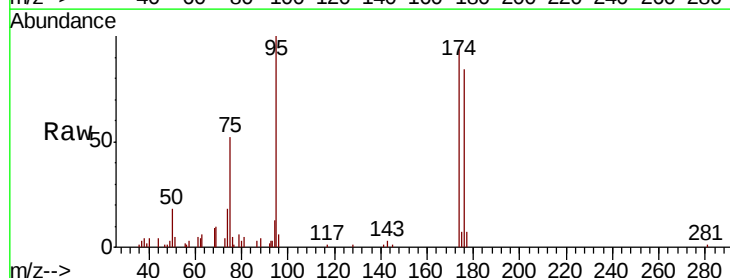
Tgt Ion: 75 Resp: 14657

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

