

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101520\
 Data File : VD067285.D
 Acq On : 15 Oct 2020 16:00
 Operator : VA/SY
 Sample : L4406-09
 Misc : 5.87G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 JC-02-101420-B

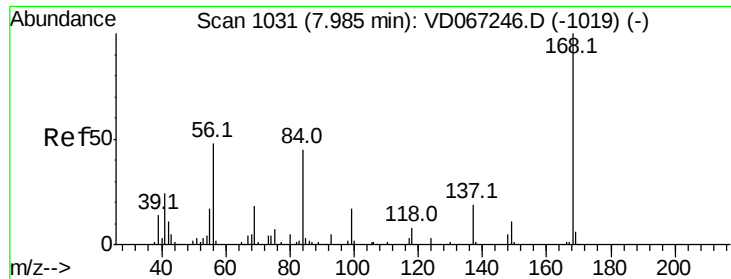
Quant Time: Oct 16 01:02:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	324877	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	545828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	517321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	245371	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	178548	54.86	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.72%	
35) Dibromofluoromethane	7.92	113	181100	49.86	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.72%	
50) Toluene-d8	10.34	98	648145	49.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	12.64	95	222325	48.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.80	94	118	Below Cal	#	27
16) Acetone	4.14	43	959	2.104	ug/l #	42
20) Methylene Chloride	4.96	84	707	Below Cal	#	51
29) Tetrahydrofuran	7.56	42	624	2.160	ug/l #	21
31) Cyclohexane	7.98	56	6001	1.601	ug/l #	39
36) 1,1-Dichloropropene	7.98	75	22884	4.947	ug/l #	51
38) Carbon Tetrachloride	7.98	117	32313	5.465	ug/l #	20
51) 4-Methyl-2-Pentanone	10.34	43	2375	1.763	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	112199	65.974	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	112199	149.610	ug/l #	10

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

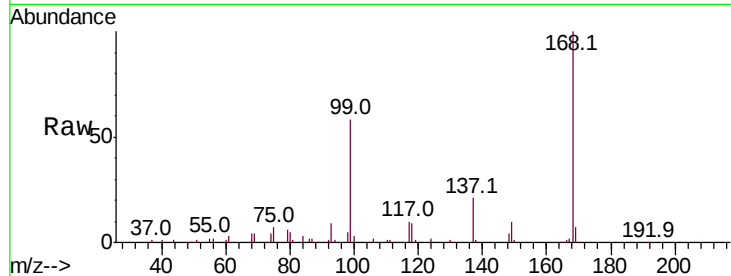


#1

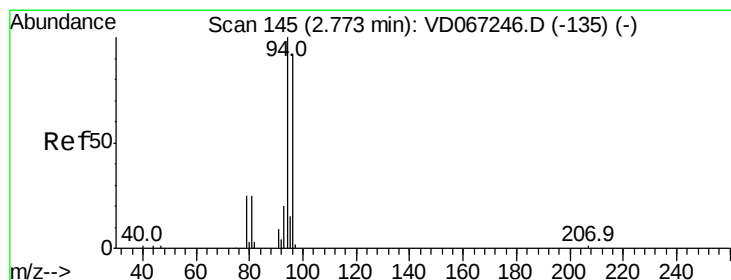
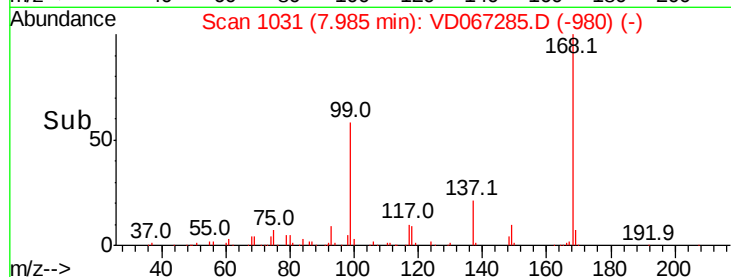
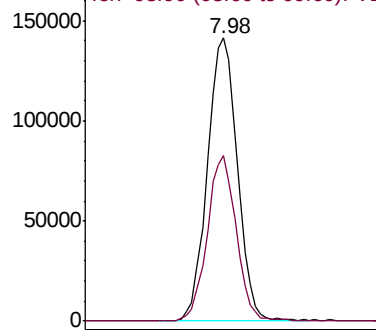
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VD067285.D
 Acq: 15 Oct 2020 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 JC-02-101420-B

Tot Ion:168 Resp: 324877
 Ion Ratio Lower Upper
 168 100
 99 58.5 45.9 68.9



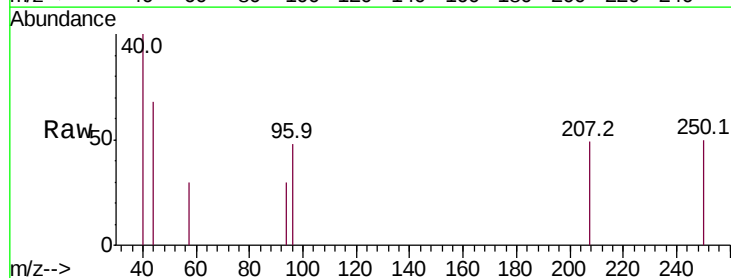
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VDC



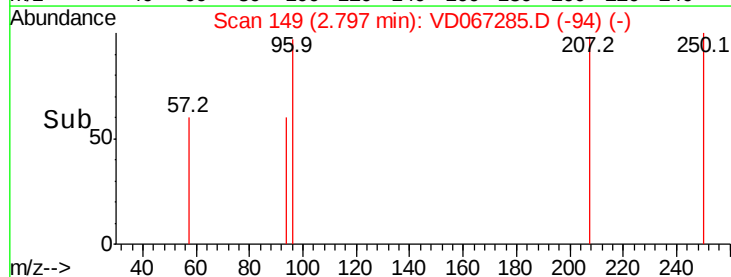
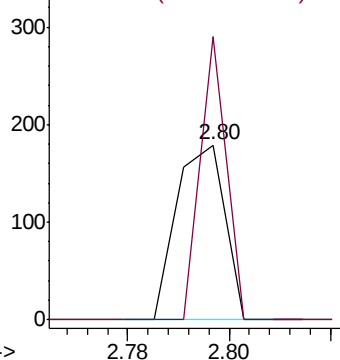
#5

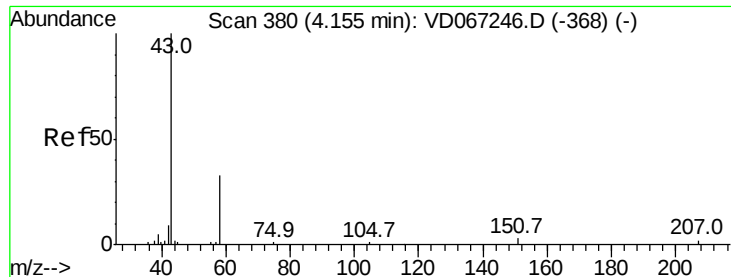
Bromomethane
 Concen: Below Cal
 RT: 2.80 min Scan# 149
 Delta R.T. 0.02 min
 Lab File: VD067285.D
 Acq: 15 Oct 2020 16:00

Tgt Ion: 94 Resp: 118
 Ion Ratio Lower Upper
 94 100
 96 162.0 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: 2.104 ug/l

RT: 4.14 min Scan# 378

Delta R.T. -0.01 min

Lab File: VD067285.D

Acq: 15 Oct 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

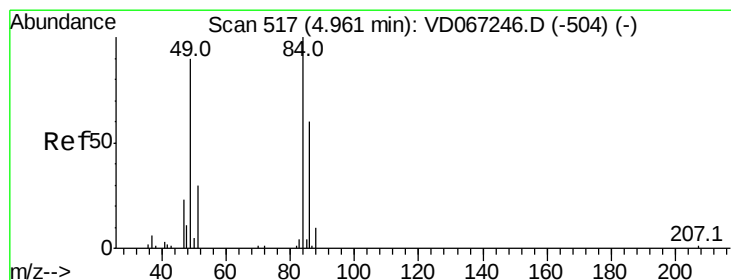
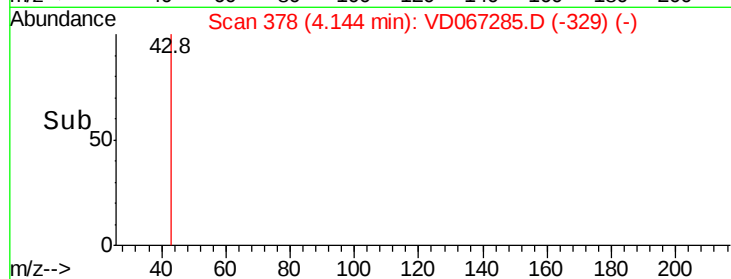
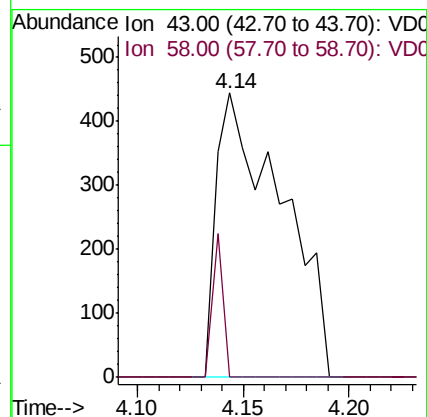
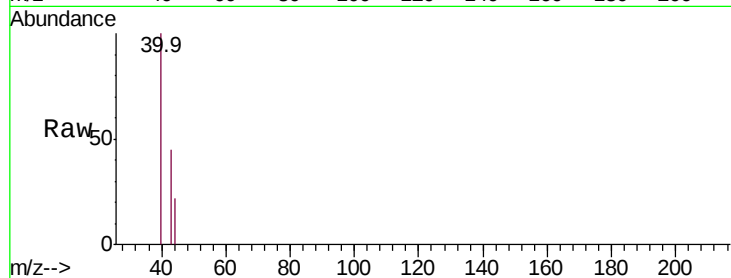
JC-02-101420-B

Tot Ion: 43 Resp: 959

Ion Ratio Lower Upper

43 100

58 0.0 26.1 39.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD067285.D

Acq: 15 Oct 2020 16:00

Tgt Ion: 84 Resp: 707

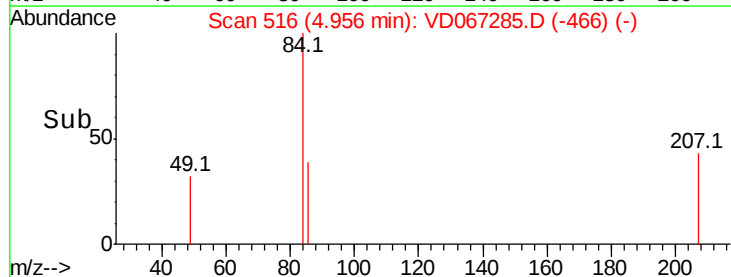
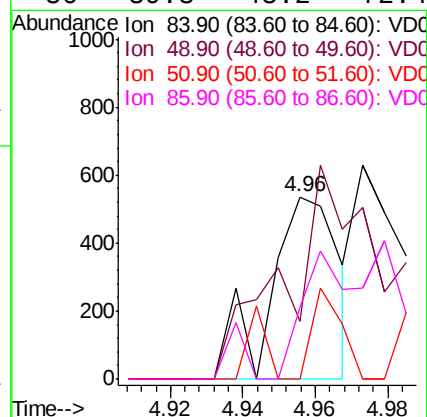
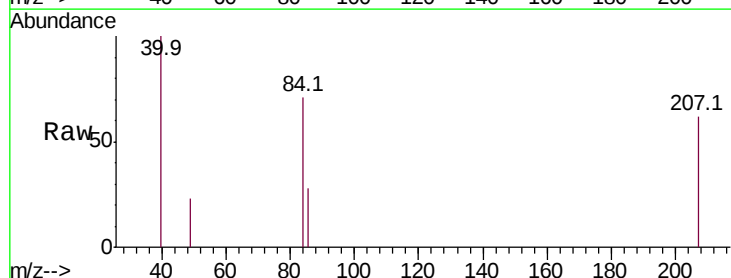
Ion Ratio Lower Upper

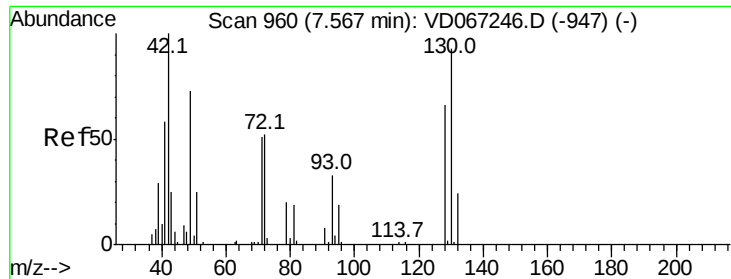
84 100

49 31.8 72.2 108.2#

51 0.0 23.8 35.8#

86 39.3 48.2 72.4#





#29

Tetrahydrofuran

Concen: 2.160 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067285.D

Acq: 15 Oct 2020 16:00

Instrument :

MSVOA_D

ClientSampleID :

JC-02-101420-B

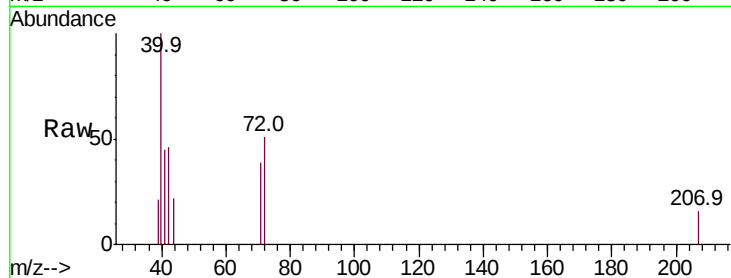
Tot Ion: 42 Resp: 624

Ion Ratio Lower Upper

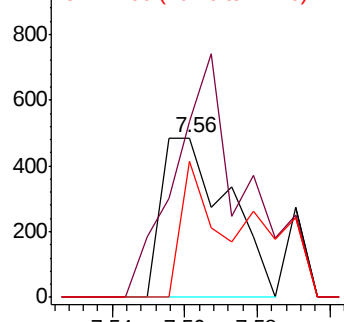
42 100

72 158.7 43.2 64.8#

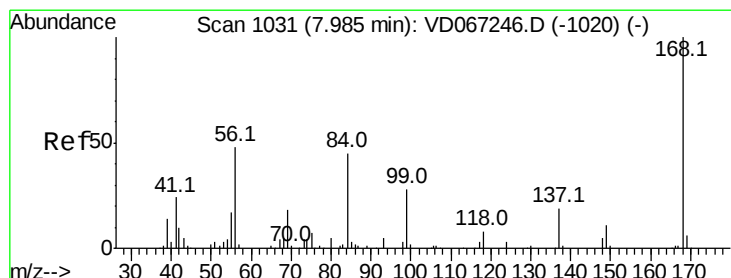
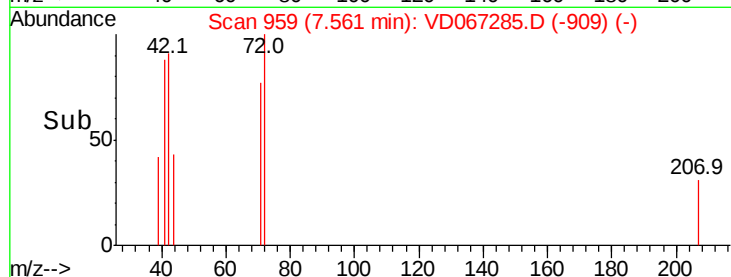
71 44.9 39.4 59.0



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



Time-->



#31

Cyclohexane

Concen: 1.601 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067285.D

Acq: 15 Oct 2020 16:00

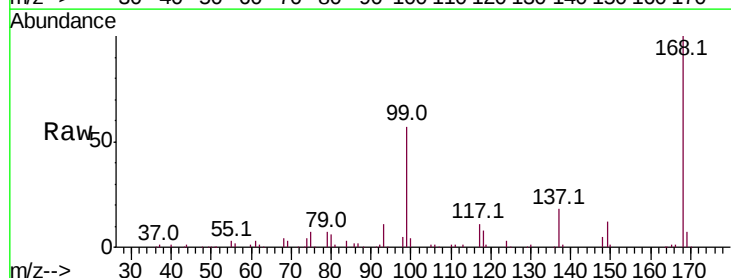
Tgt Ion: 56 Resp: 6001

Ion Ratio Lower Upper

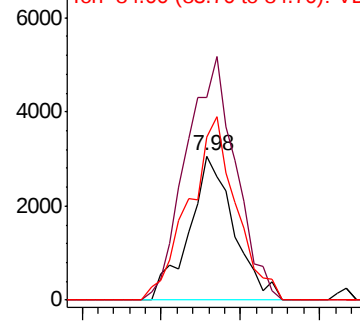
56 100

69 140.4 29.8 44.6#

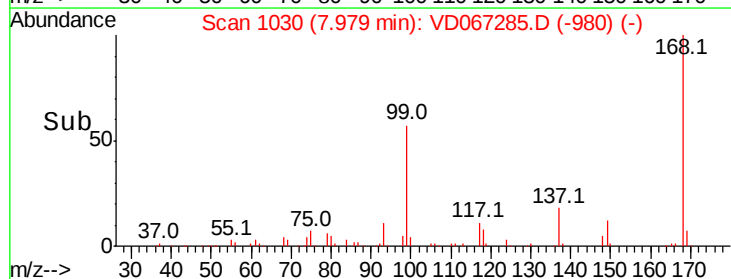
84 112.6 76.6 114.8

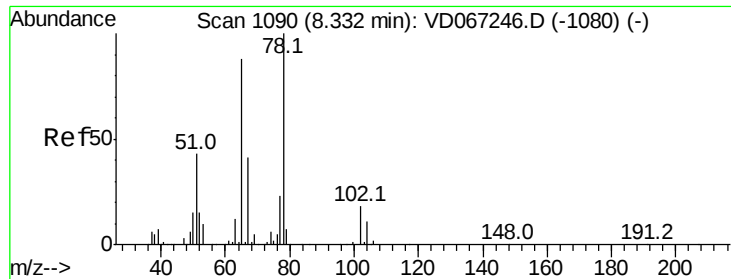


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



Time-->

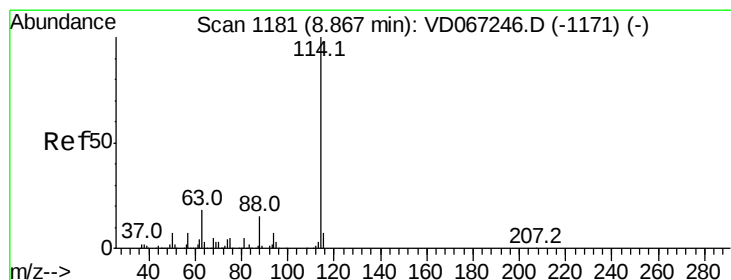
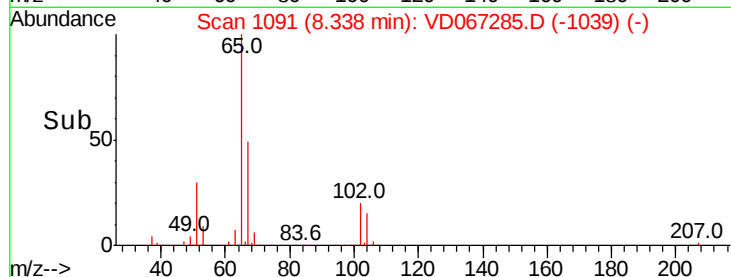
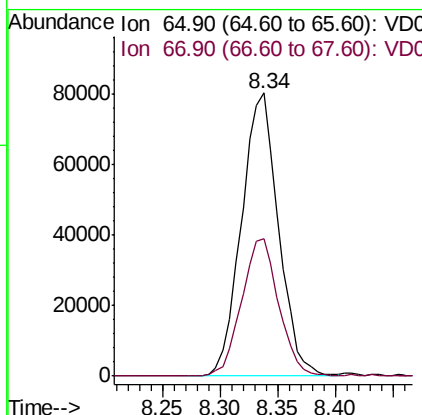
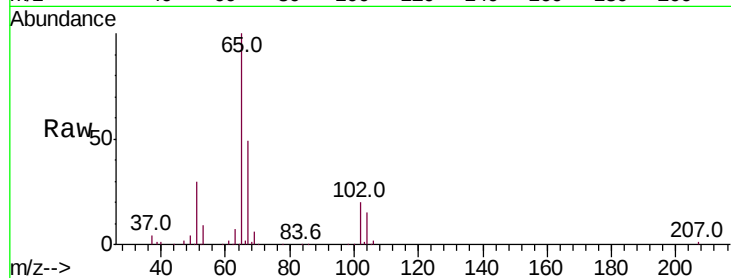




#33
 1,2-Dichloroethane-d4
 Concen: 54.857 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067285.D
 Acq: 15 Oct 2020 16:00

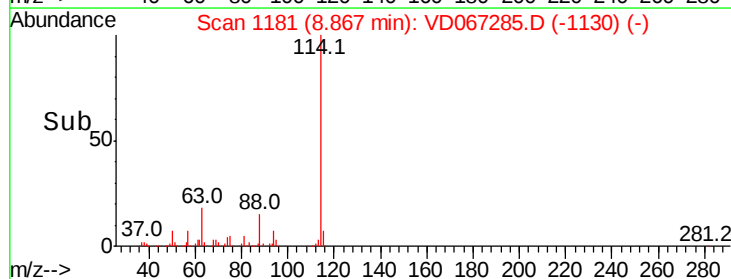
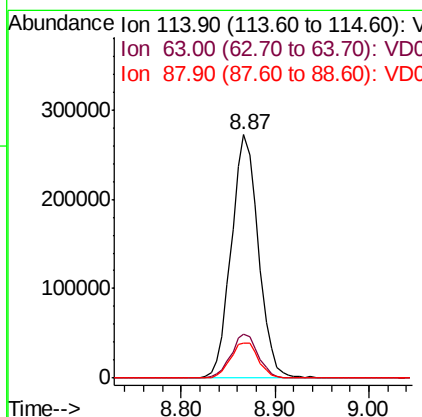
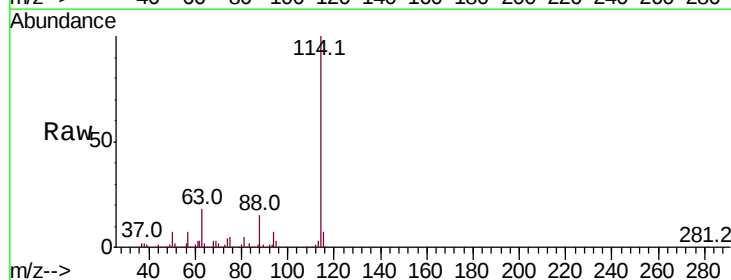
Instrument :
 MSVOA_D
 ClientSampleId :
 JC-02-101420-B

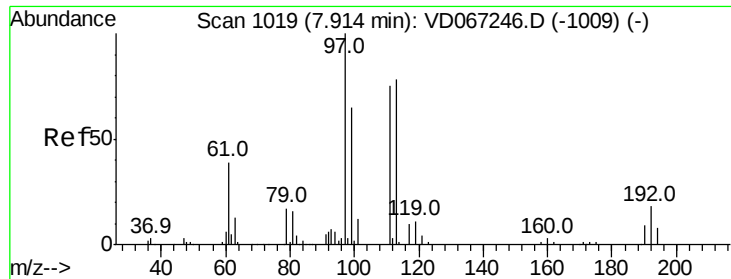
Tot Ion: 65 Resp: 178548
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067285.D
 Acq: 15 Oct 2020 16:00

Tgt Ion: 114 Resp: 545828
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.0
 88 14.6 0.0 30.6

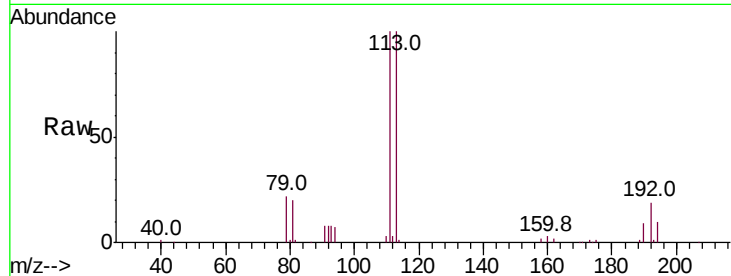




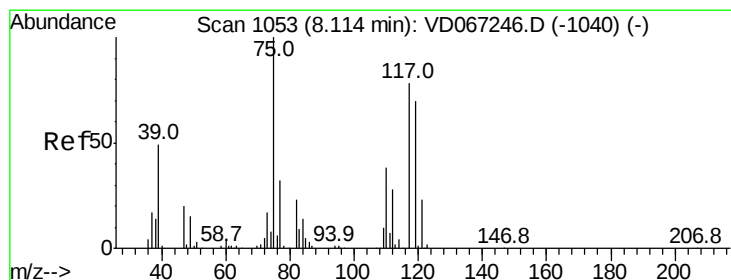
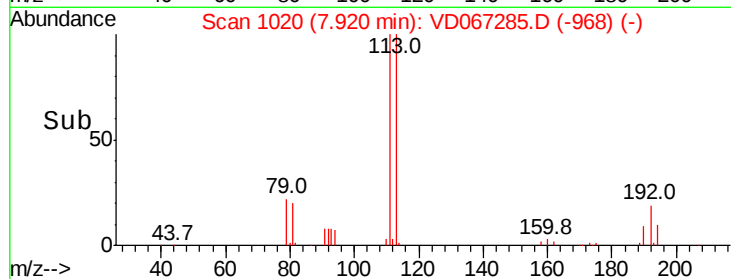
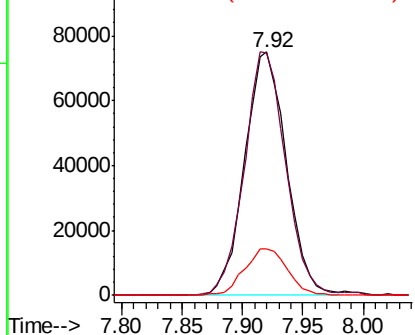
#35
 Dibromofluoromethane
 Concen: 49.856 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067285.D
 Acq: 15 Oct 2020 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 JC-02-101420-B

Tot Ion:113 Resp: 181100
 Ion Ratio Lower Upper
 113 100
 111 99.5 81.6 122.4
 192 19.8 17.0 25.4

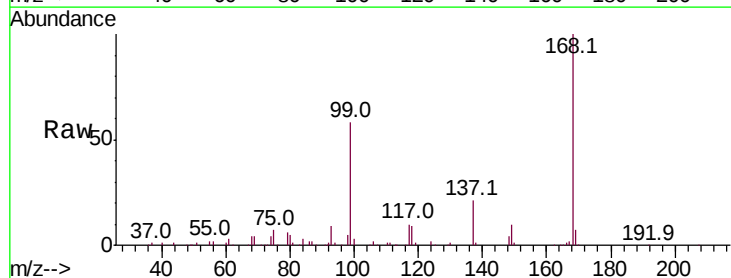


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

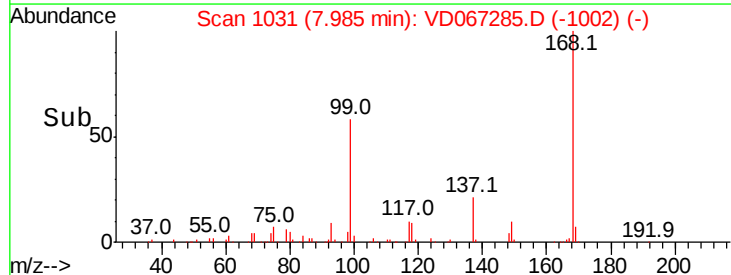
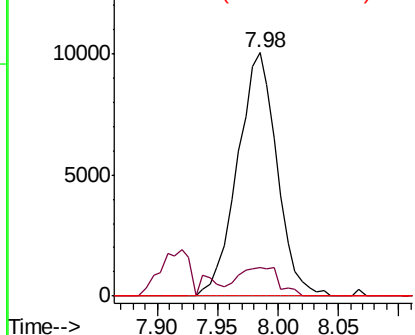


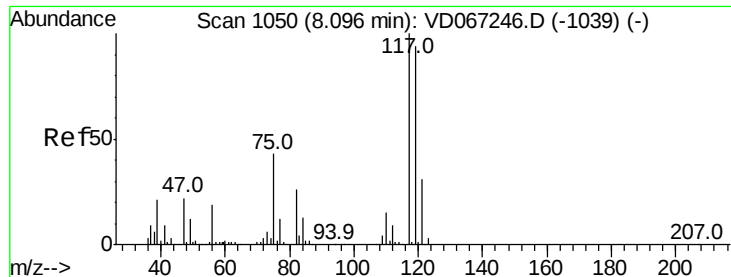
#36
 1,1-Dichloropropene
 Concen: 4.947 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067285.D
 Acq: 15 Oct 2020 16:00

Tgt Ion: 75 Resp: 22884
 Ion Ratio Lower Upper
 75 100
 110 12.4 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: 5.465 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067285.D

Acq: 15 Oct 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

JC-02-101420-B

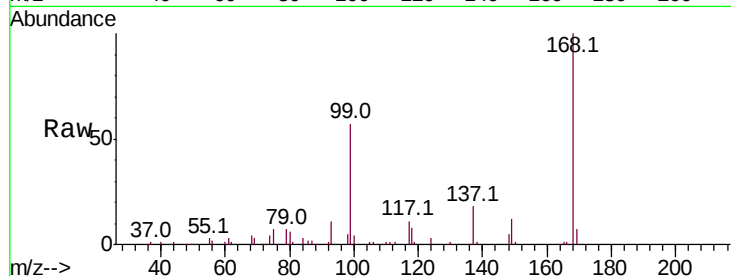
Tot Ion:117 Resp: 32313

Ion Ratio Lower Upper

117 100

119 9.2 75.0 112.4#

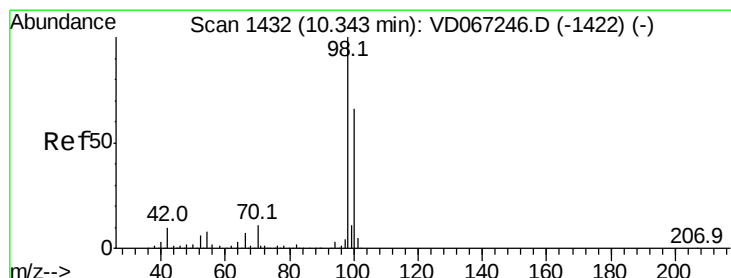
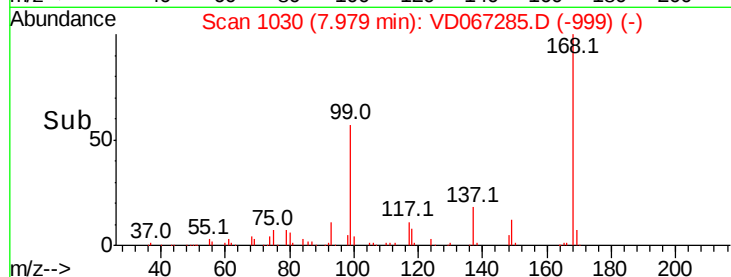
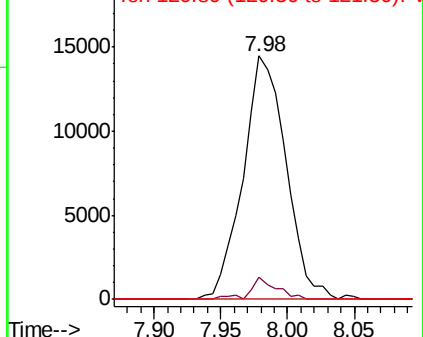
121 0.0 24.9 37.3#



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: 49.305 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067285.D

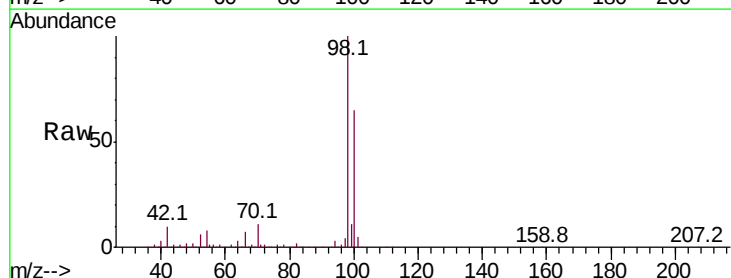
Acq: 15 Oct 2020 16:00

Tgt Ion: 98 Resp: 648145

Ion Ratio Lower Upper

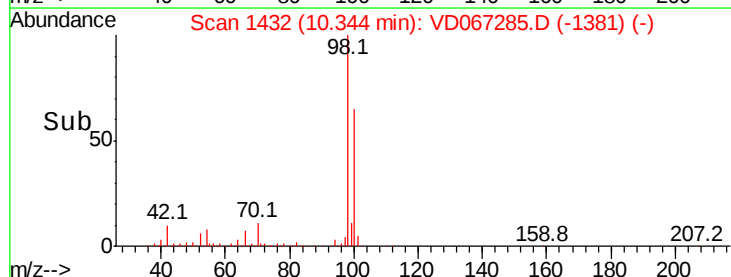
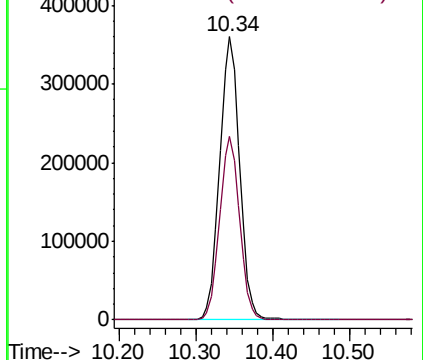
98 100

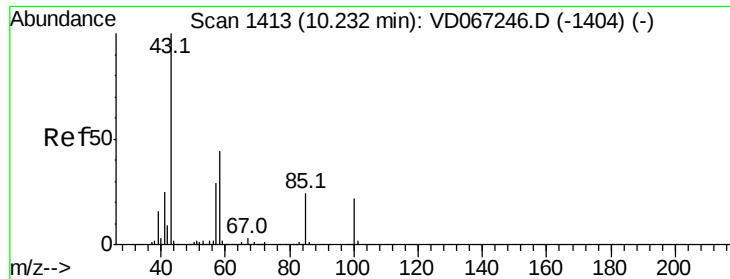
100 64.5 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.763 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067285.D

Acq: 15 Oct 2020 16:00

Instrument :

MSVOA_D

ClientSampleID :

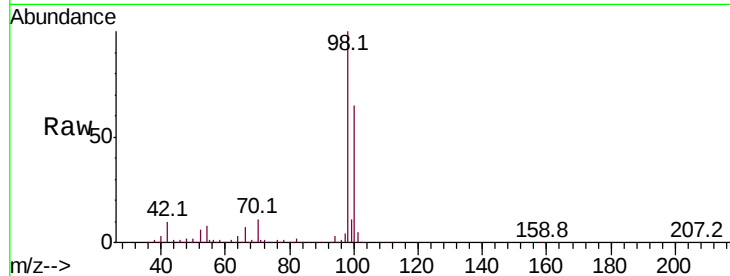
JC-02-101420-B

Tot Ion: 43 Resp: 2375

Ion Ratio Lower Upper

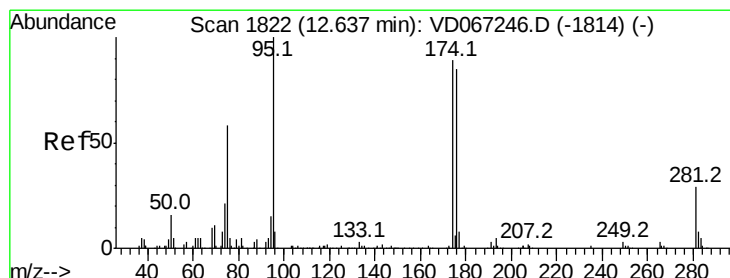
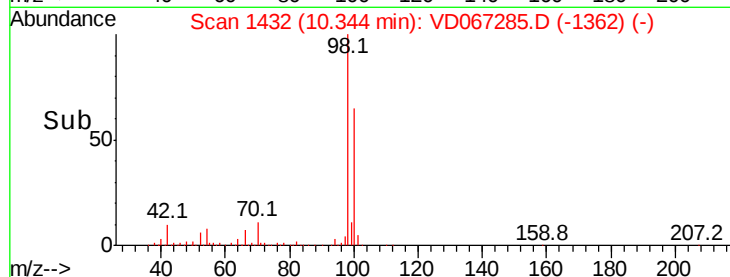
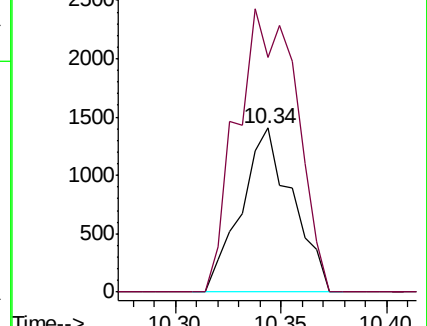
43 100

58 200.9 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: 48.638 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067285.D

Acq: 15 Oct 2020 16:00

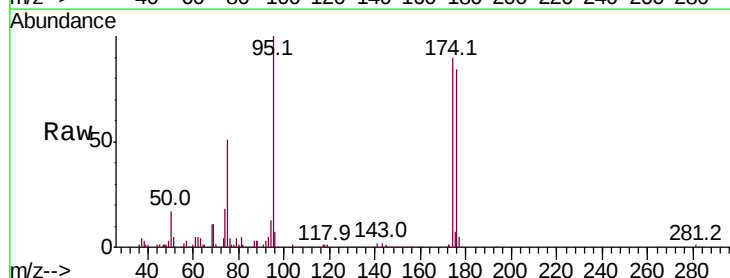
Tgt Ion: 95 Resp: 222325

Ion Ratio Lower Upper

95 100

174 89.4 0.0 175.2

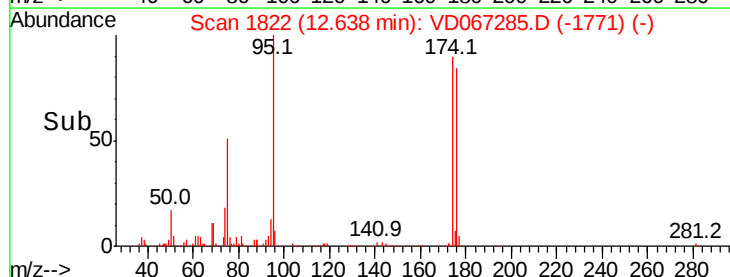
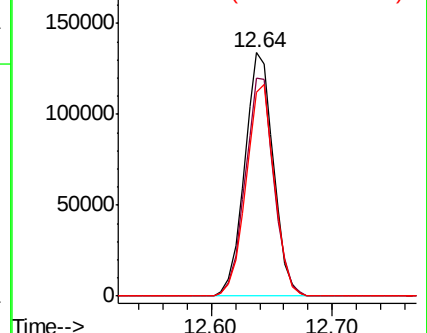
176 85.6 0.0 168.6

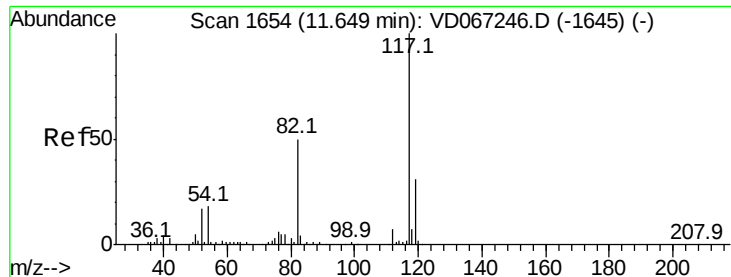


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

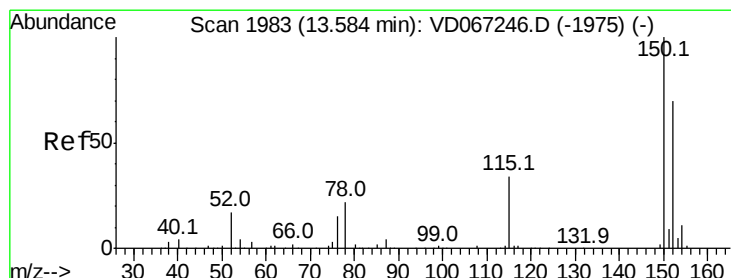
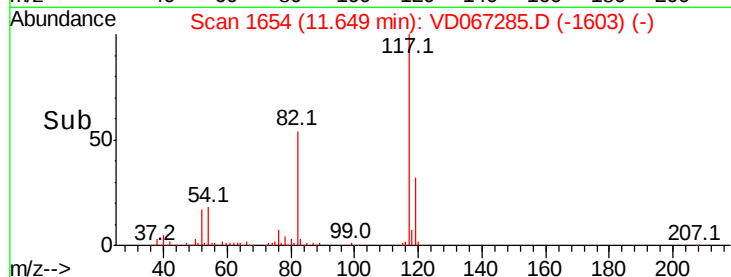
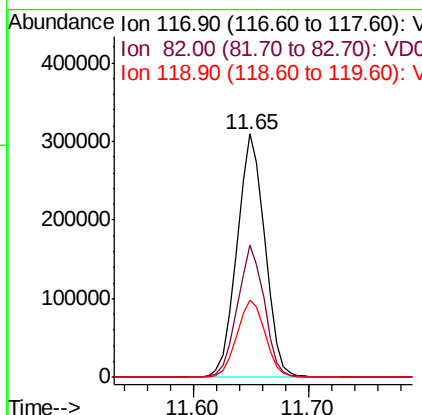
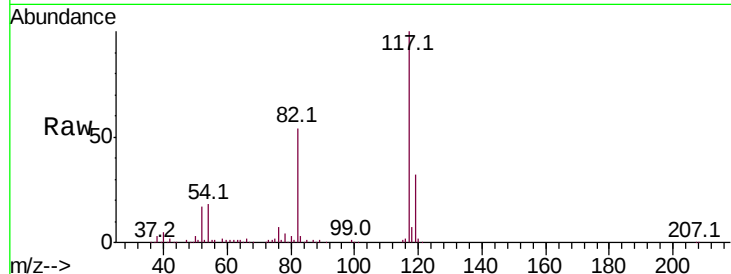




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067285.D
Acq: 15 Oct 2020 16:00

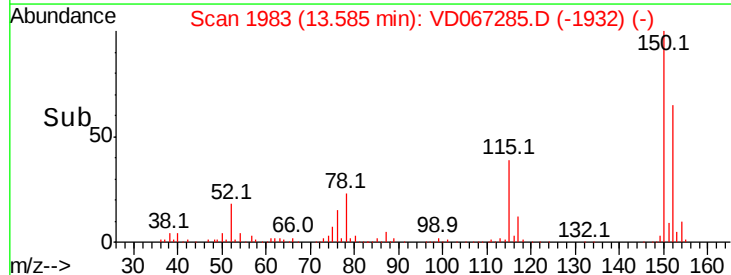
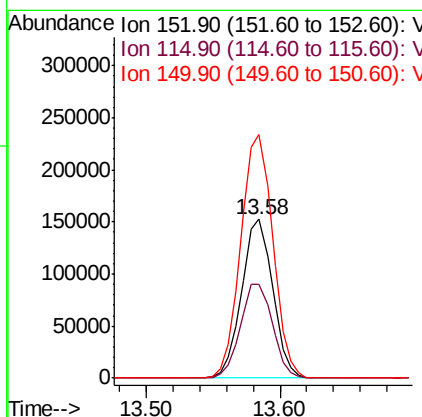
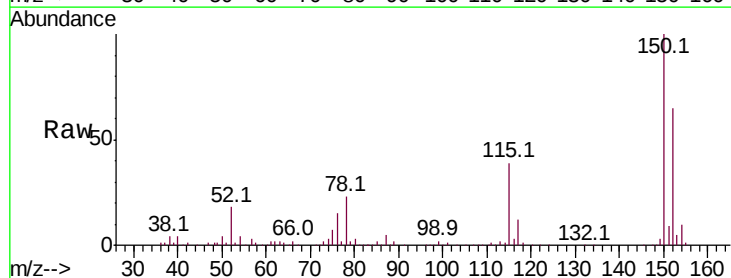
Instrument :
MSVOA_D
ClientSampleId :
JC-02-101420-B

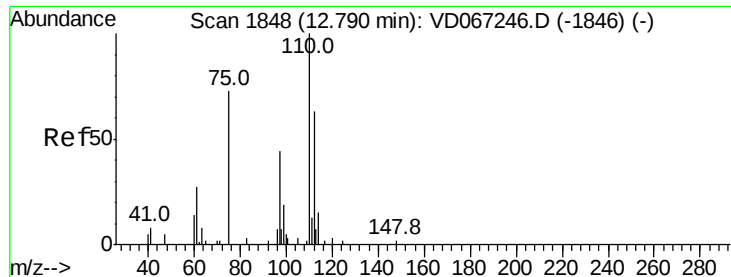
Tot Ion:117 Resp: 517321
Ion Ratio Lower Upper
117 100
82 54.1 39.9 59.9
119 31.7 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067285.D
Acq: 15 Oct 2020 16:00

Tgt Ion:152 Resp: 245371
Ion Ratio Lower Upper
152 100
115 61.3 29.3 87.9
150 158.3 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 65.974 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067285.D

Acq: 15 Oct 2020 16:00

Instrument :

MSVOA_D

ClientSampleId :

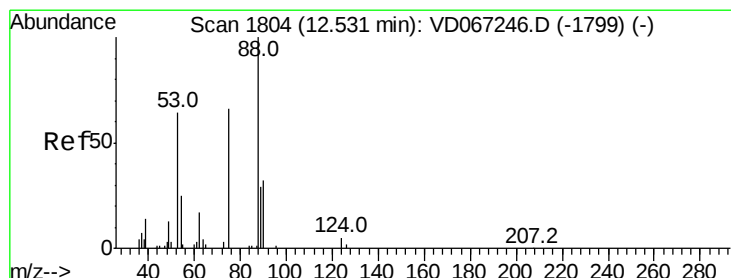
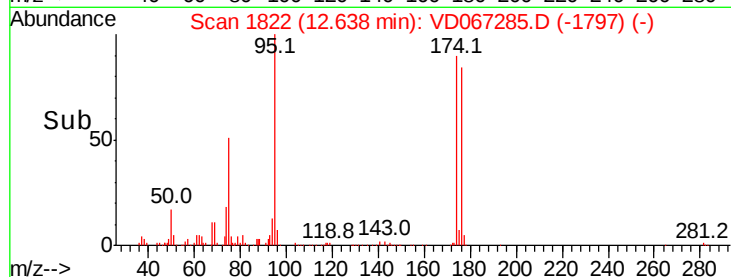
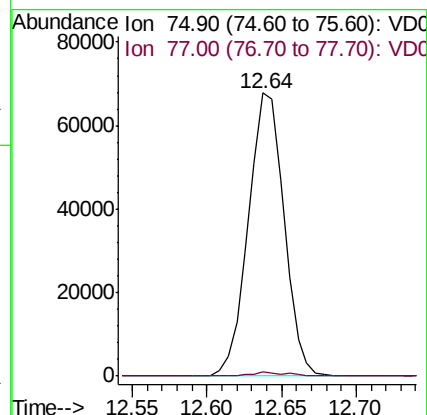
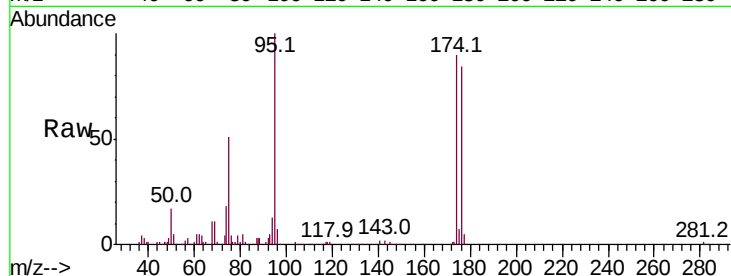
JC-02-101420-B

Tot Ion: 75 Resp: 112199

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 149.610 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067285.D

Acq: 15 Oct 2020 16:00

Tgt Ion: 75 Resp: 112199

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 39.9 59.9#

