

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101520\
 Data File : VD067283.D
 Acq On : 15 Oct 2020 15:06
 Operator : VA/SY
 Sample : L4392-13
 Misc : 6.39G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4

Quant Time: Oct 16 01:02:30 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	317590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	545072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	513831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	249626	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	171780	53.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.98%	
35) Dibromofluoromethane	7.92	113	177457	48.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.84%	
50) Toluene-d8	10.34	98	637005	48.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.04%	
62) 4-Bromofluorobenzene	12.64	95	215571	47.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.46%	

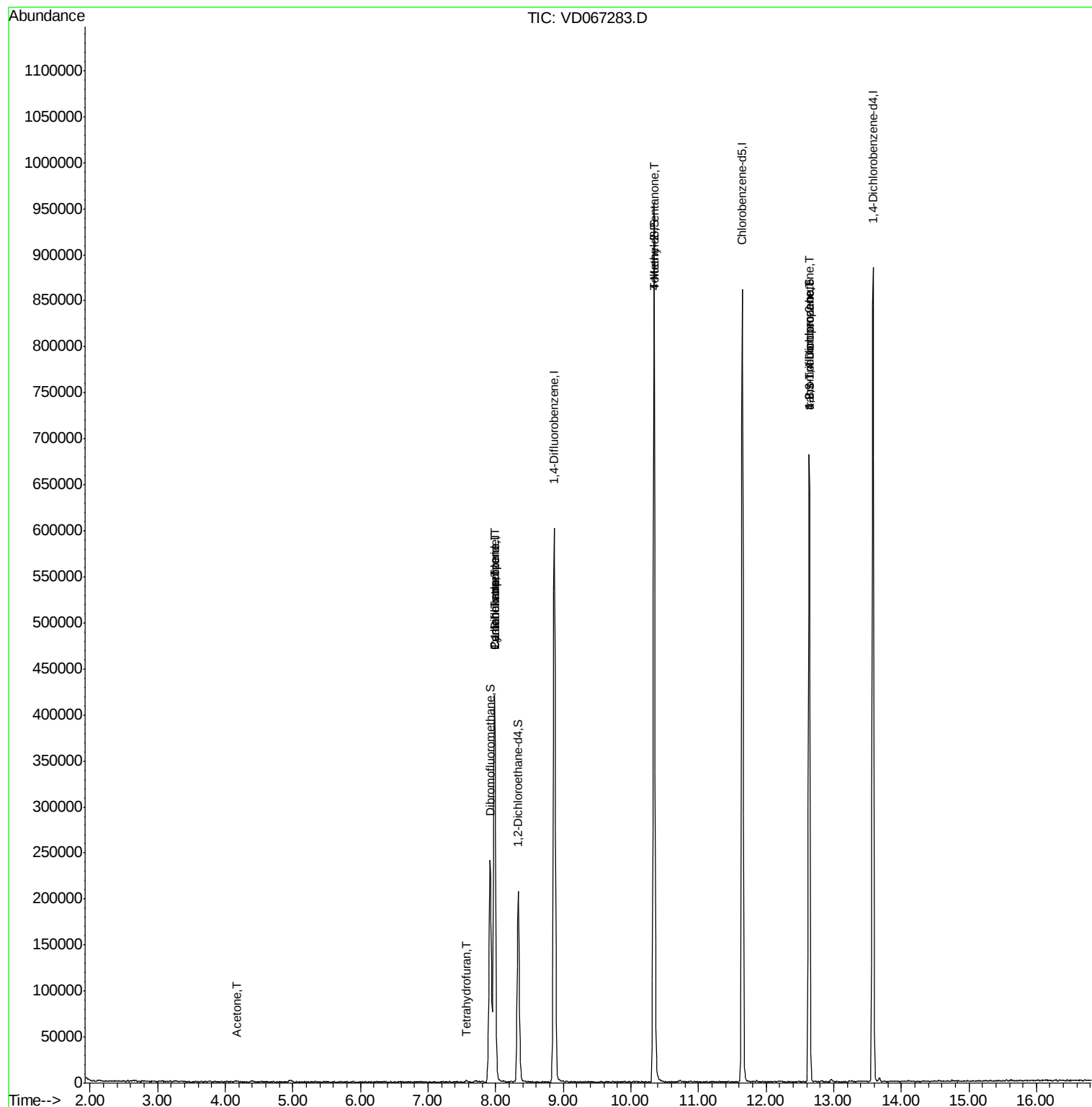
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	264	Below Cal	#	44
5) Bromomethane	2.76	94	63	Below Cal	#	3
16) Acetone	4.17	43	2287	5.132	ug/l #	42
20) Methylene Chloride	4.97	84	1037	Below Cal	#	62
29) Tetrahydrofuran	7.57	42	1368	4.845	ug/l #	69
31) Cyclohexane	7.98	56	6277	1.713	ug/l #	28
36) 1,1-Dichloropropene	7.98	75	22398	4.848	ug/l #	50
38) Carbon Tetrachloride	7.98	117	32694	5.537	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	2518	1.872	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	109563	63.326	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	109563	143.604	ug/l #	10

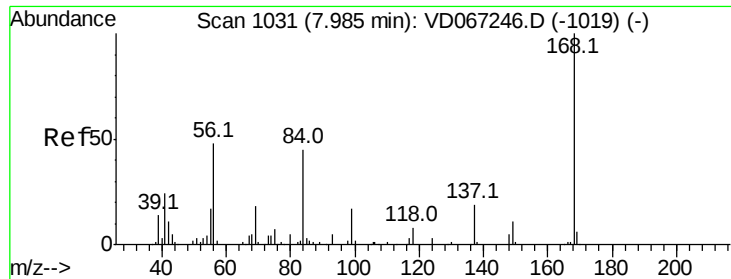
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067283.D

Acq: 15 Oct 2020 15:06

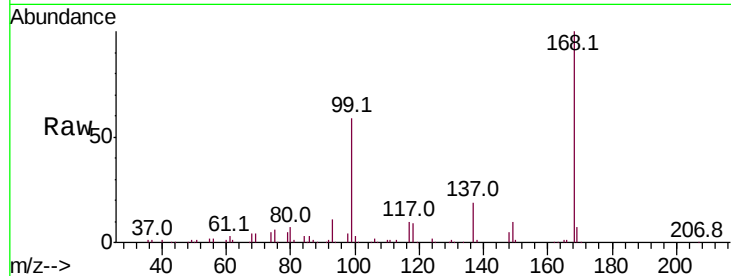
Instrument :
MSVOA_D
ClientSampled :
TP-4

Tot Ion:168 Resp: 317590

Ion Ratio Lower Upper

168 100

99 58.6 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

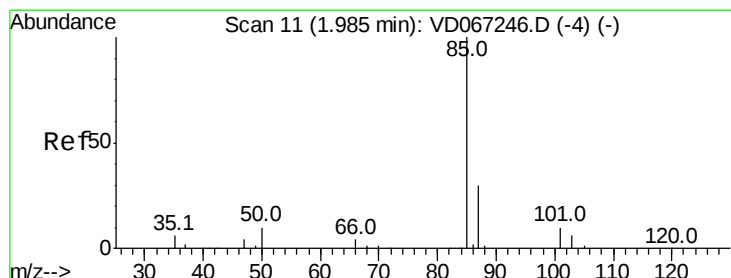
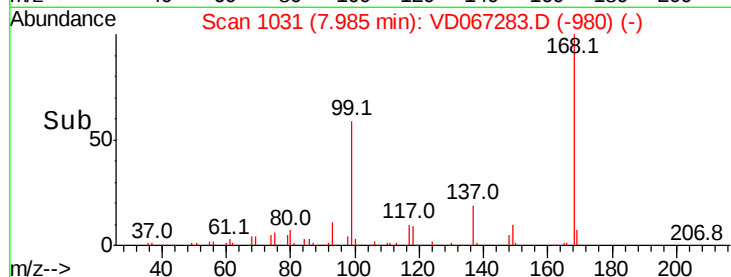
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067283.D

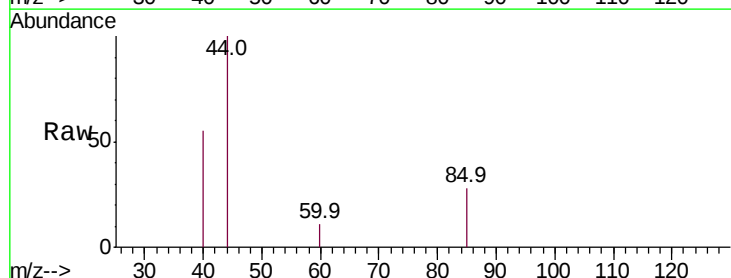
Acq: 15 Oct 2020 15:06

Tgt Ion: 85 Resp: 264

Ion Ratio Lower Upper

85 100

87 0.0 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

600

500

400

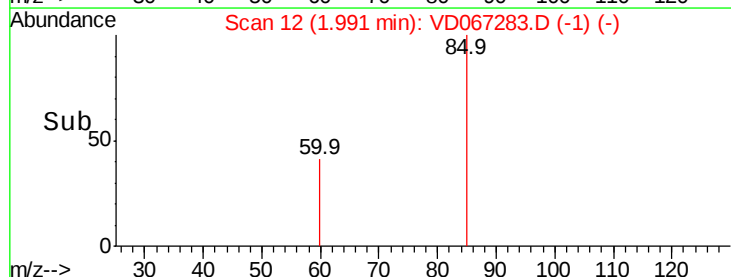
300

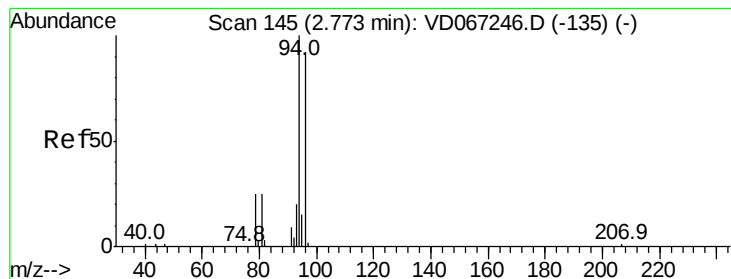
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067283.D

Acq: 15 Oct 2020 15:06

Instrument :

MSVOA_D

ClientSampled :

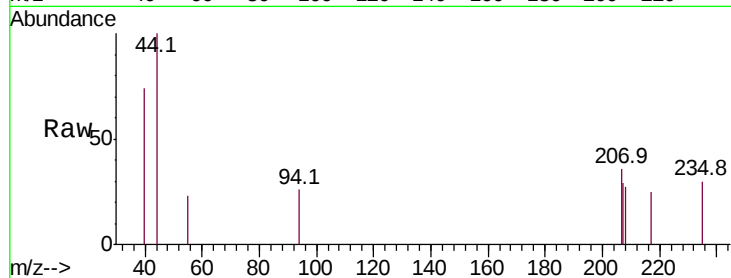
TP-4

Tot Ion: 94 Resp: 63

Ion Ratio Lower Upper

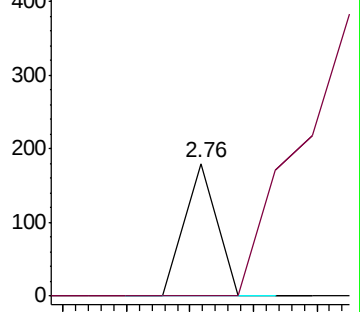
94 100

96 0.0 73.8 110.6#

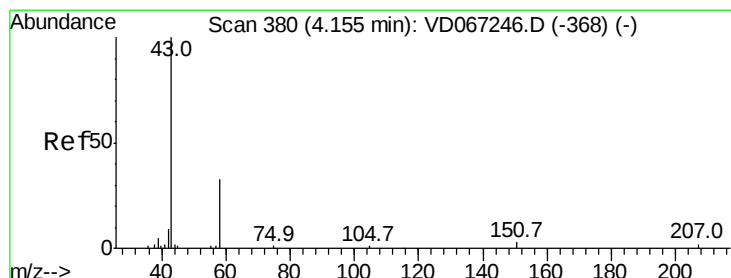
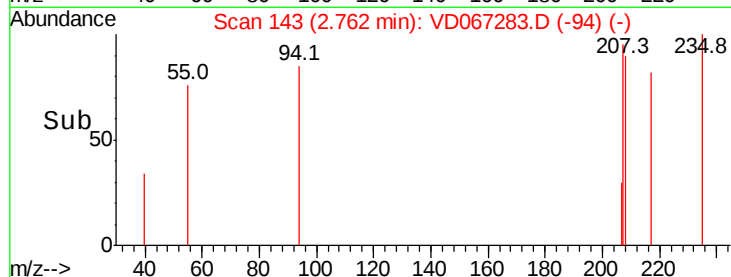


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#16

Acetone

Concen: 5.132 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067283.D

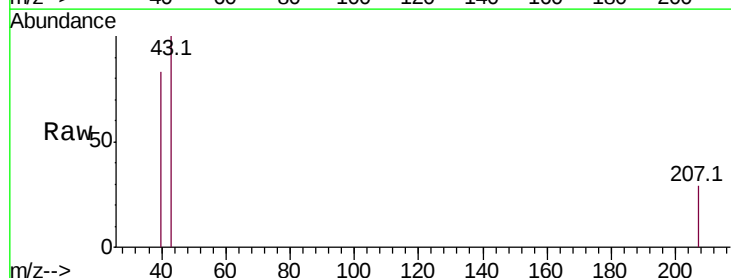
Acq: 15 Oct 2020 15:06

Tgt Ion: 43 Resp: 2287

Ion Ratio Lower Upper

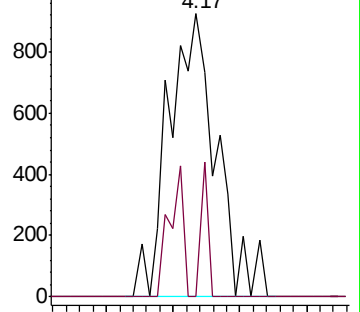
43 100

58 0.0 26.1 39.1#

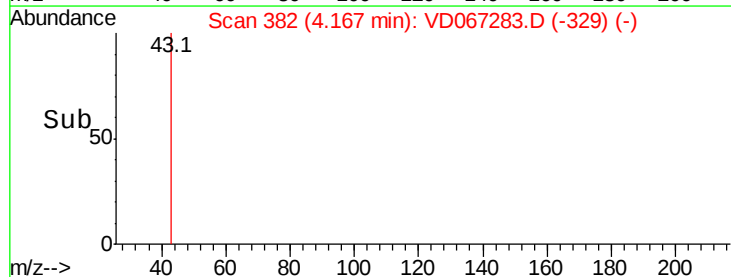


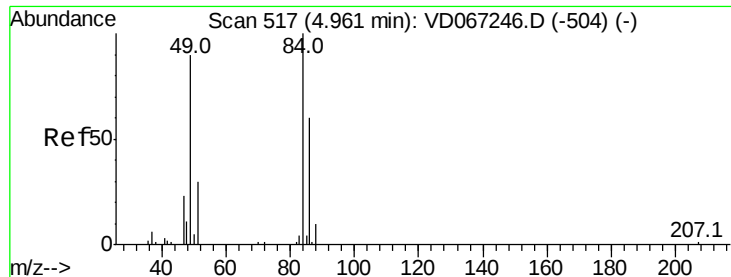
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->

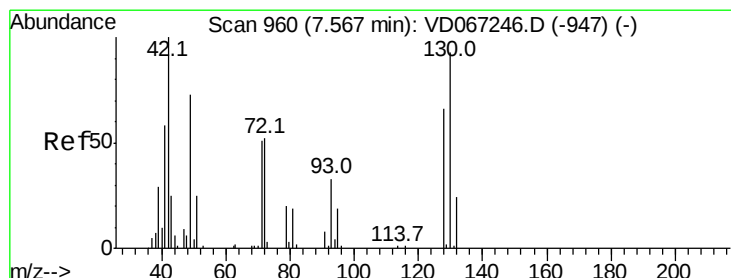
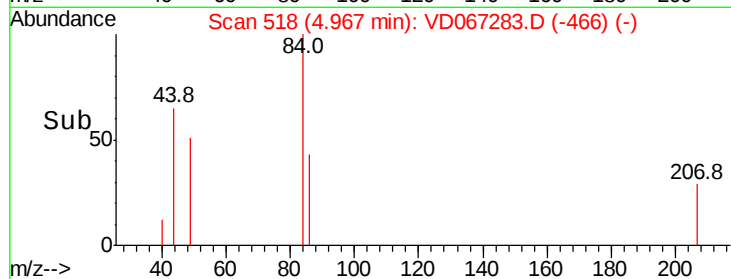
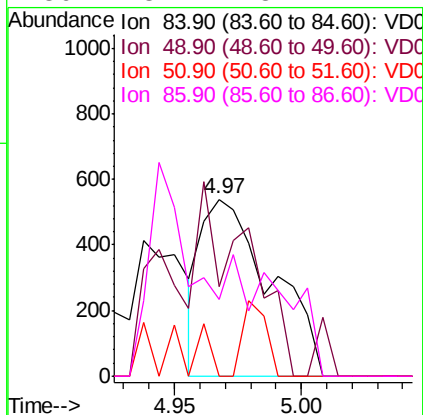
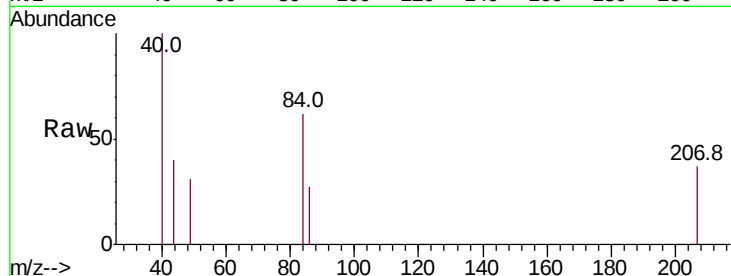




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067283.D
Acq: 15 Oct 2020 15:06

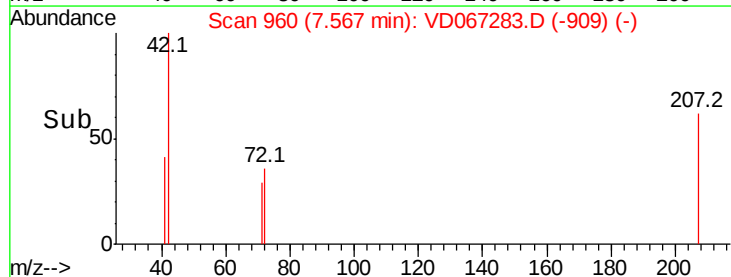
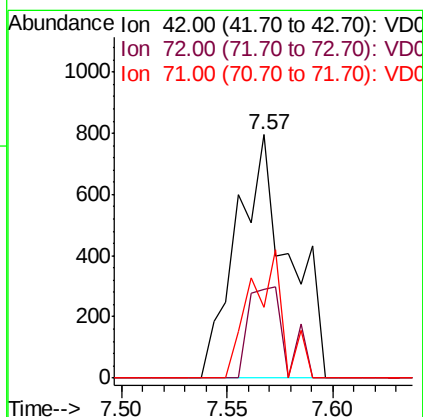
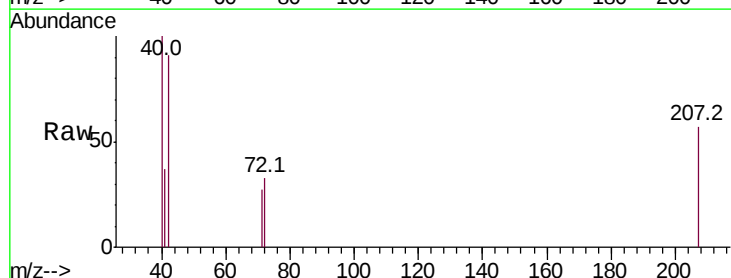
Instrument :
MSVOA_D
ClientSampled :
TP-4

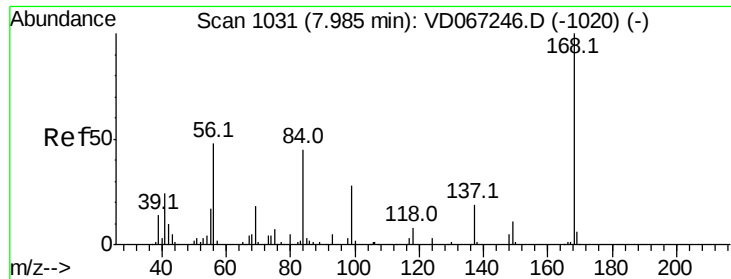
Tot Ion: 84 Resp: 1037
Ion Ratio Lower Upper
84 100
49 50.6 72.2 108.2#
51 0.0 23.8 35.8#
86 43.4 48.2 72.4#



#29
Tetrahydrofuran
Concen: 4.845 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067283.D
Acq: 15 Oct 2020 15:06

Tgt Ion: 42 Resp: 1368
Ion Ratio Lower Upper
42 100
72 26.9 43.2 64.8#
71 33.2 39.4 59.0#

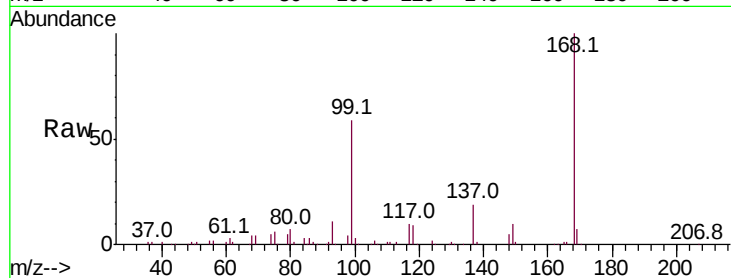




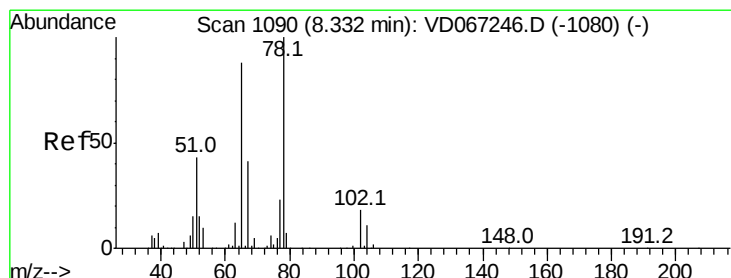
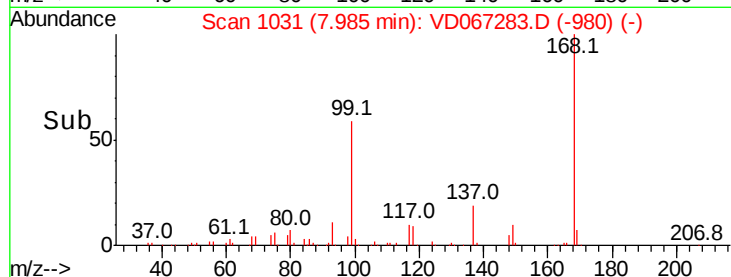
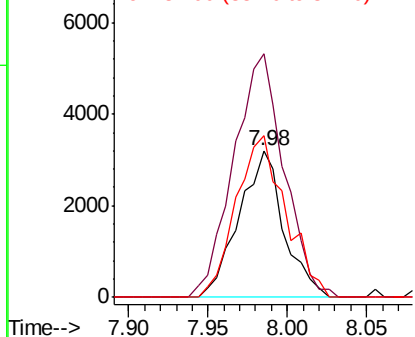
#31
Cyclohexane
Concen: 1.713 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067283.D
Acq: 15 Oct 2020 15:06

Instrument :
MSVOA_D
ClientSampled :
TP-4

Tot Ion: 56 Resp: 6277
Ion Ratio Lower Upper
56 100
69 166.3 29.8 44.6#
84 110.7 76.6 114.8

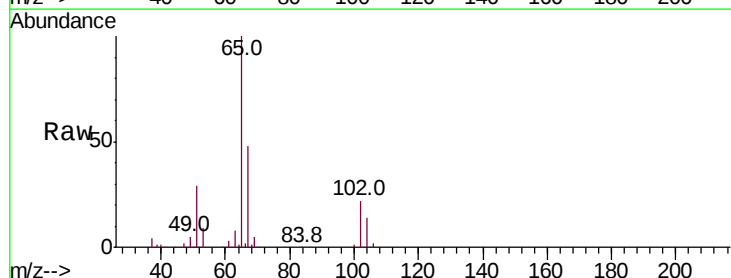


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

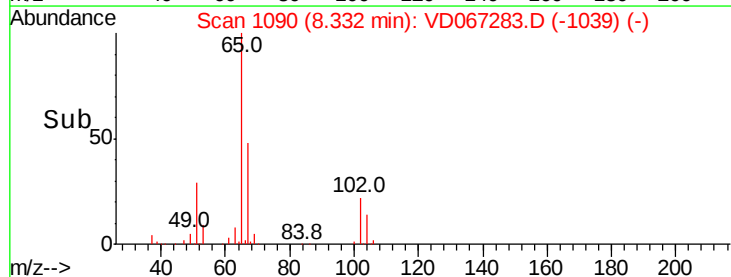
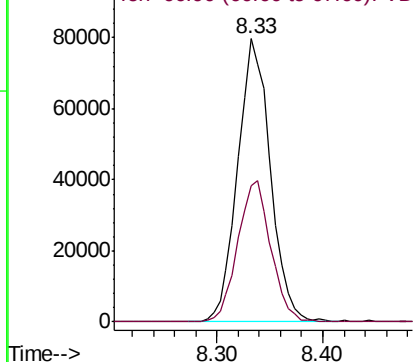


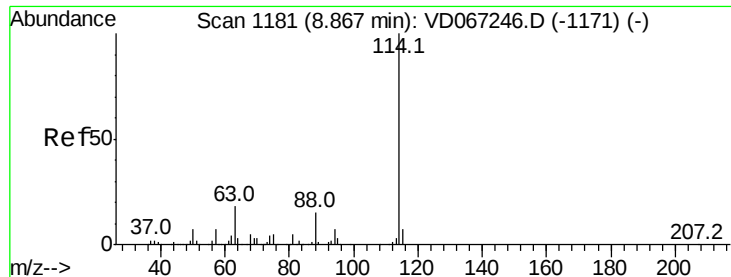
#33
1,2-Dichloroethane-d4
Concen: 53.989 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067283.D
Acq: 15 Oct 2020 15:06

Tgt Ion: 65 Resp: 171780
Ion Ratio Lower Upper
65 100
67 50.2 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

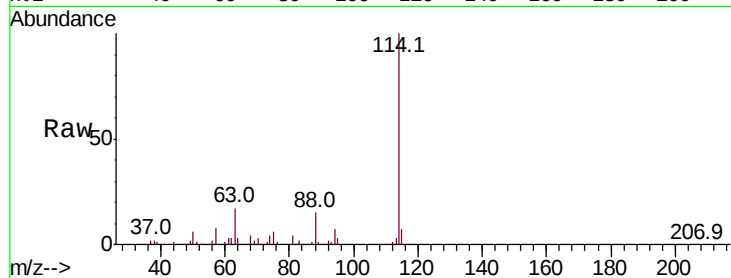




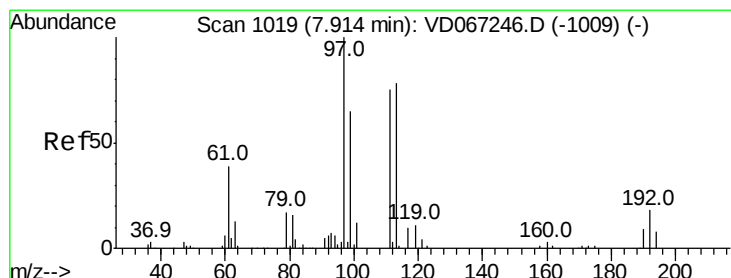
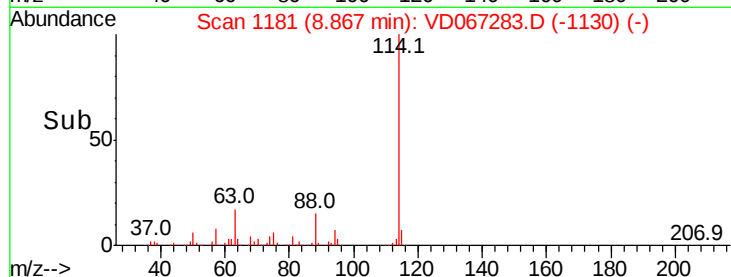
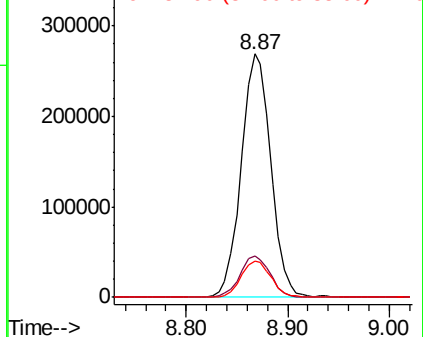
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067283.D
 Acq: 15 Oct 2020 15:06

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4

Tot Ion:114 Resp: 545072
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 35.0
 88 15.1 0.0 30.6

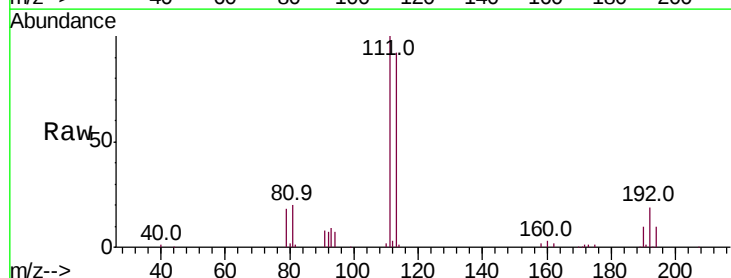


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

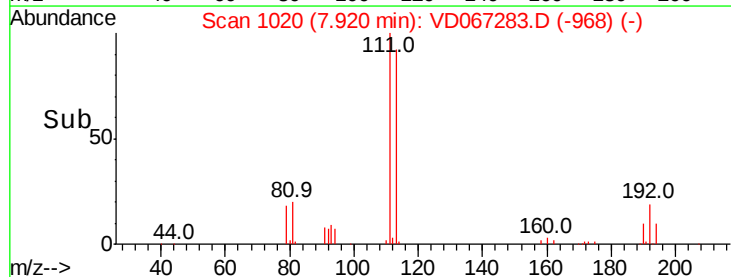
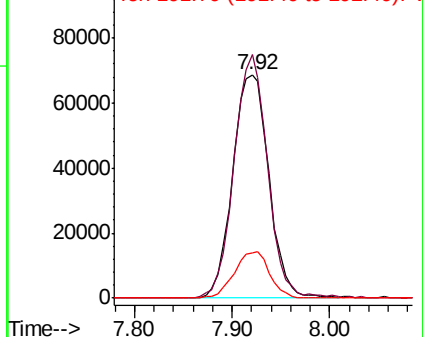


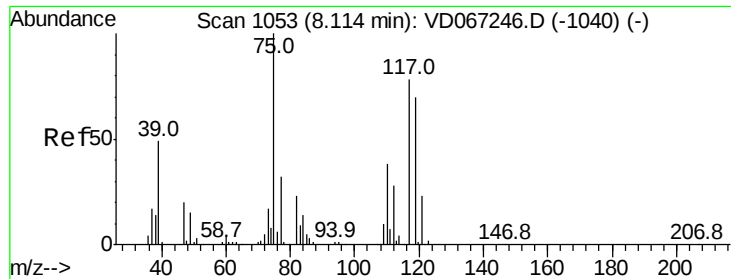
#35
 Dibromofluoromethane
 Concen: 48.920 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067283.D
 Acq: 15 Oct 2020 15:06

Tgt Ion:113 Resp: 177457
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.6 122.4
 192 20.2 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

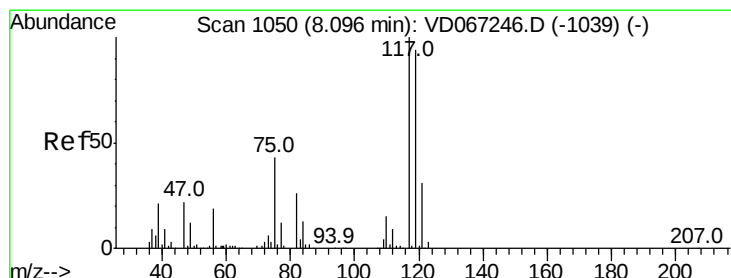
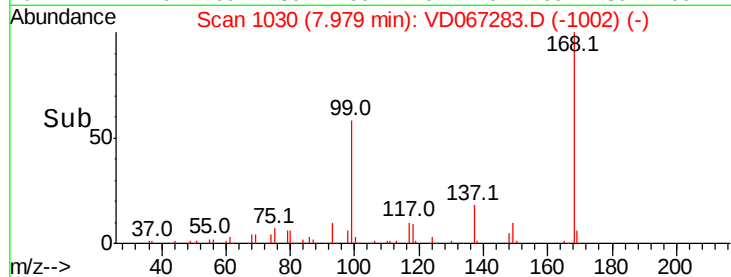
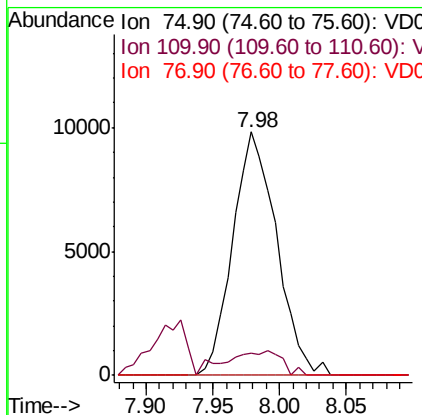
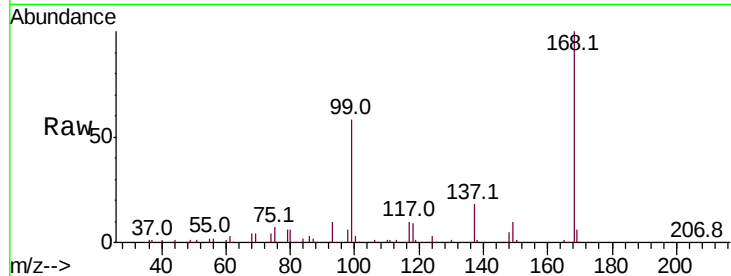




#36
 1,1-Dichloropropene
 Concen: 4.848 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067283.D
 Acq: 15 Oct 2020 15:06

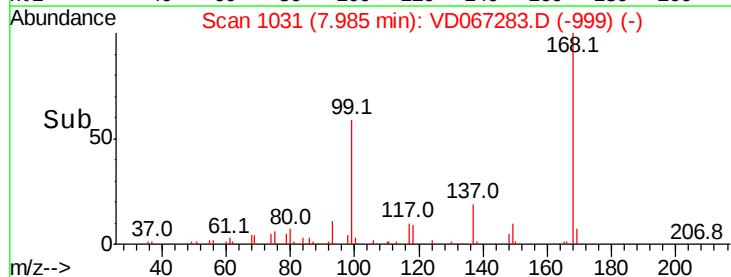
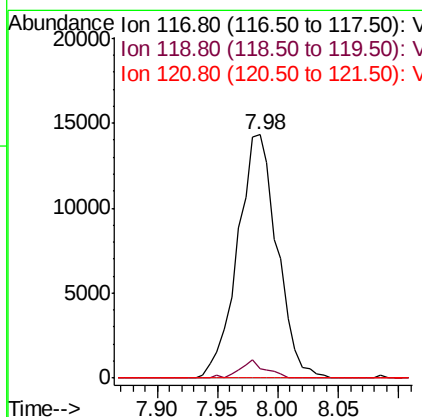
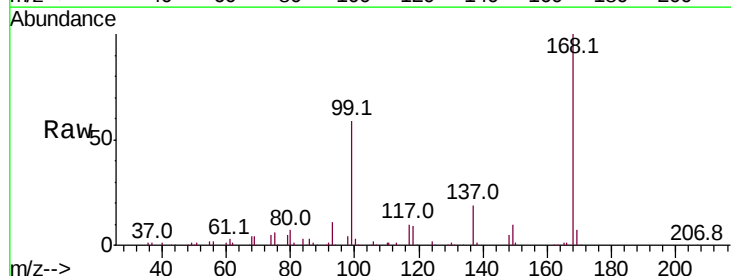
Instrument :
 MSVOA_D
 ClientSampled :
 TP-4

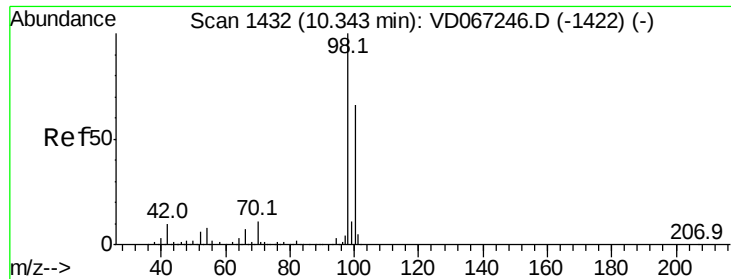
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.4	19.6	58.7#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.537 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD067283.D
 Acq: 15 Oct 2020 15:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	75.0	112.4#
121	0.0	24.9	37.3#





#50

Toluene-d8

Concen: 48.525 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067283.D

Acq: 15 Oct 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

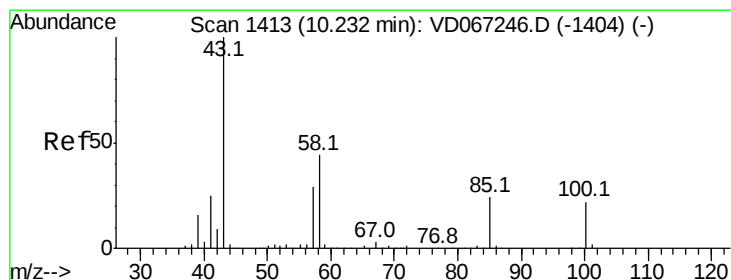
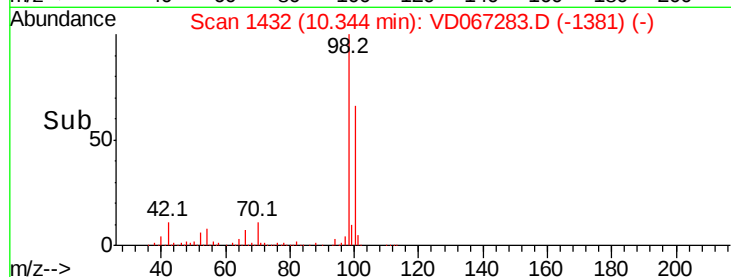
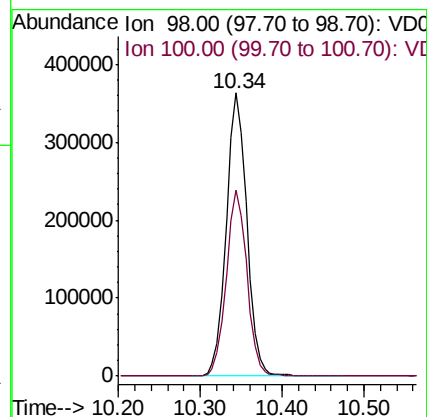
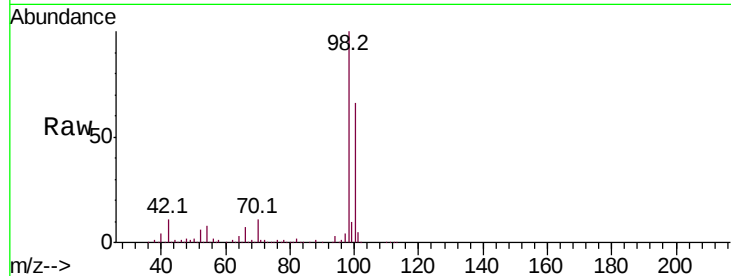
TP-4

Tot Ion: 98 Resp: 637005

Ion Ratio Lower Upper

98 100

100 66.0 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 1.872 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD067283.D

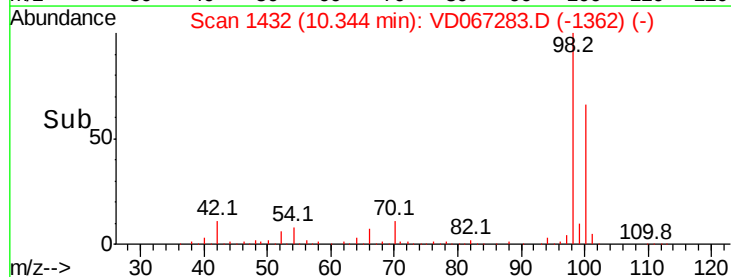
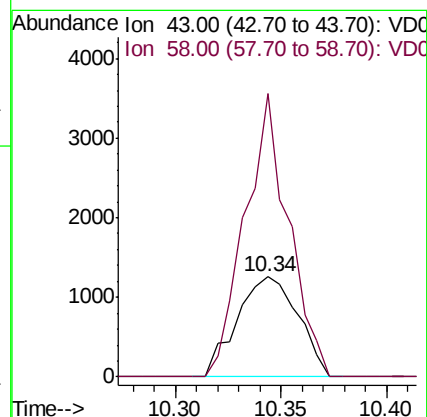
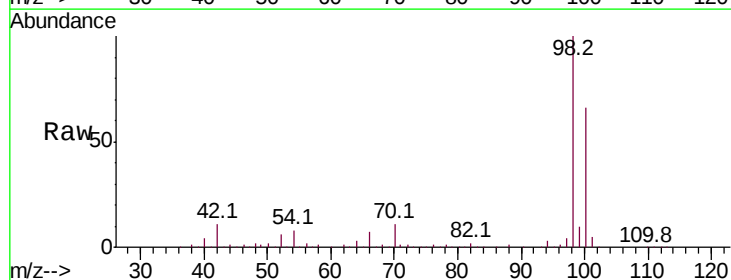
Acq: 15 Oct 2020 15:06

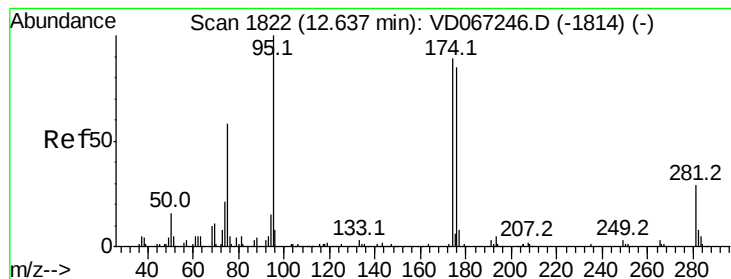
Tgt Ion: 43 Resp: 2518

Ion Ratio Lower Upper

43 100

58 203.4 35.7 53.5#





#62

4-Bromofluorobenzene

Concen: 47.226 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067283.D

Acq: 15 Oct 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

TP-4

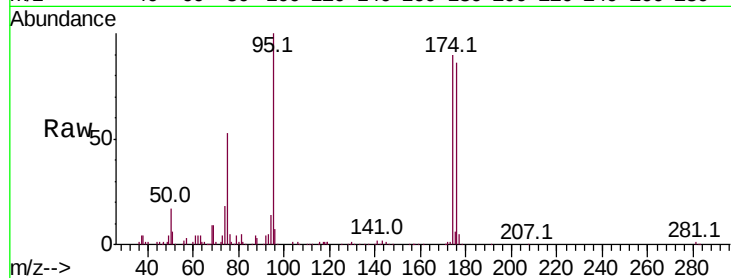
Tot Ion: 95 Resp: 215571

Ion Ratio Lower Upper

95 100

174 89.0 0.0 175.2

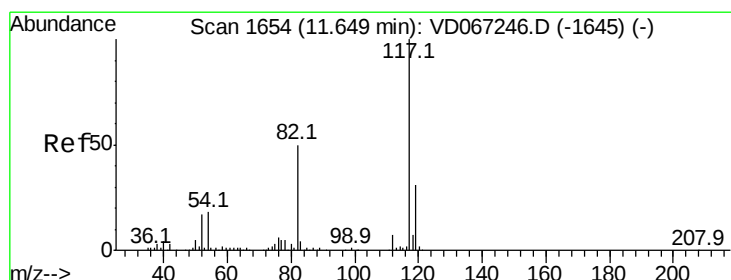
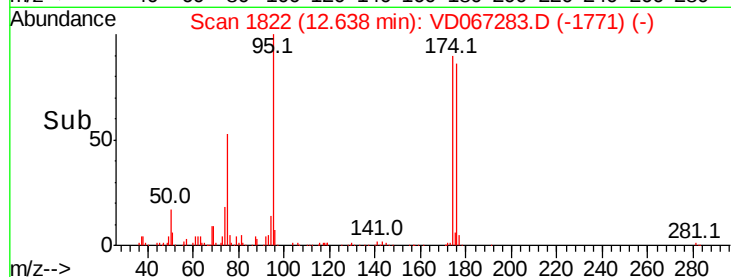
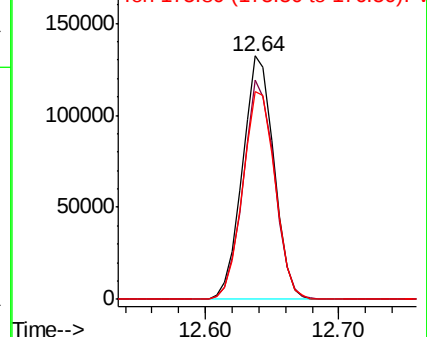
176 87.4 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): V

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: VD067283.D

Acq: 15 Oct 2020 15:06

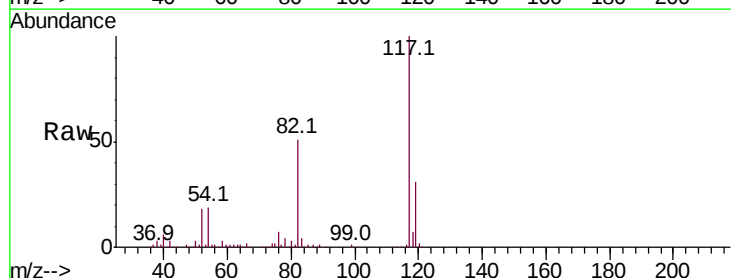
Tgt Ion: 117 Resp: 513831

Ion Ratio Lower Upper

117 100

82 51.2 39.9 59.9

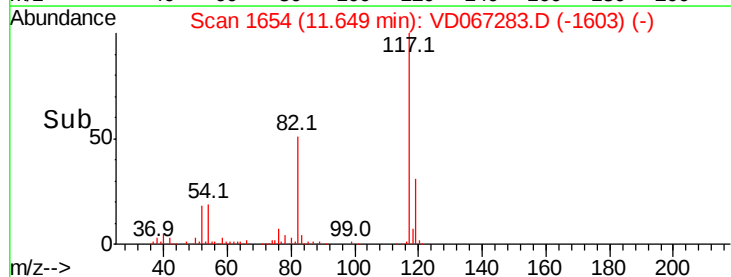
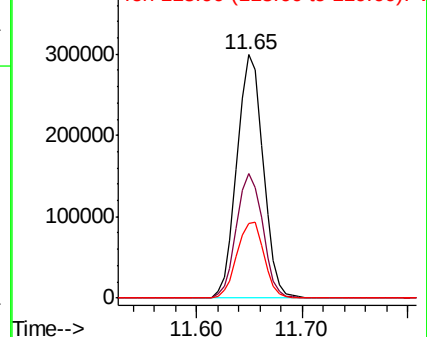
119 30.7 24.9 37.3

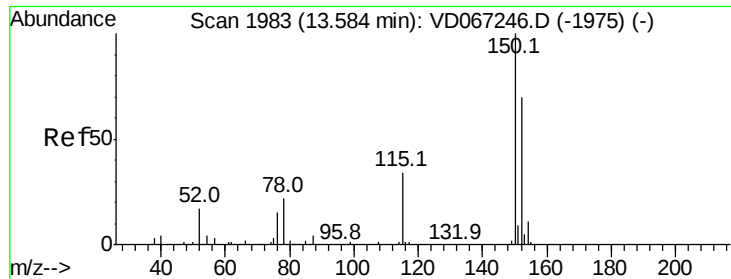


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1983

Delta R.T. 0.00 min

Lab File: VD067283.D

Acq: 15 Oct 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

TP-4

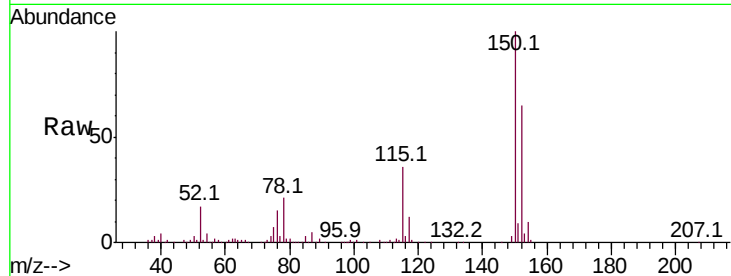
Tot Ion:152 Resp: 249626

Ion Ratio Lower Upper

152 100

115 57.2 29.3 87.9

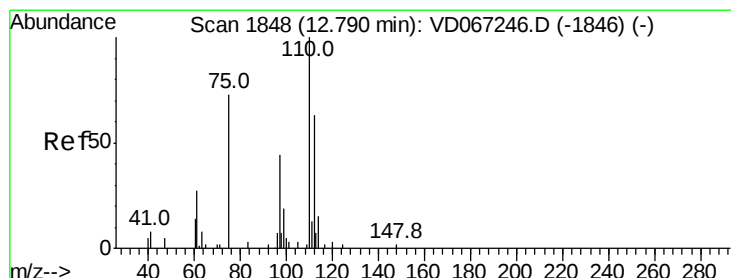
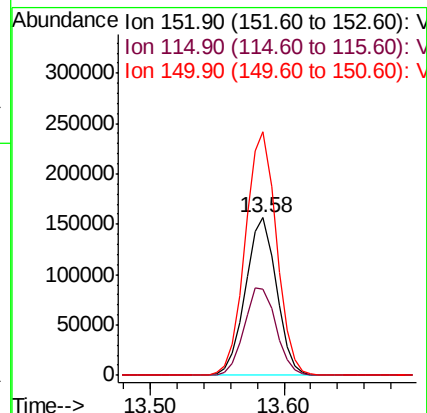
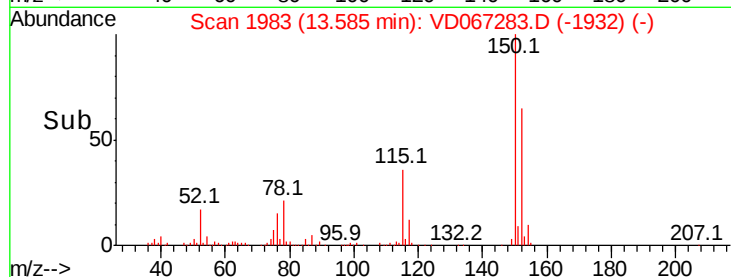
150 156.1 0.0 339.0



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: 63.326 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067283.D

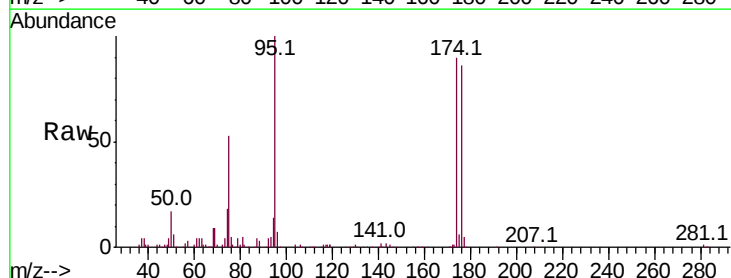
Acq: 15 Oct 2020 15:06

Tgt Ion: 75 Resp: 109563

Ion Ratio Lower Upper

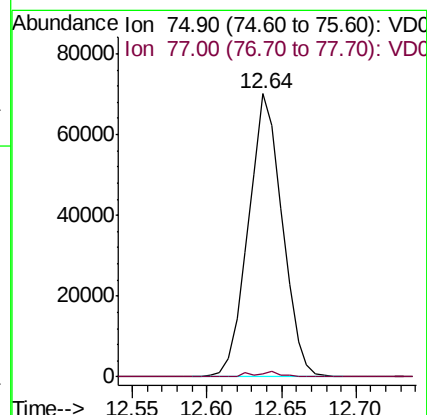
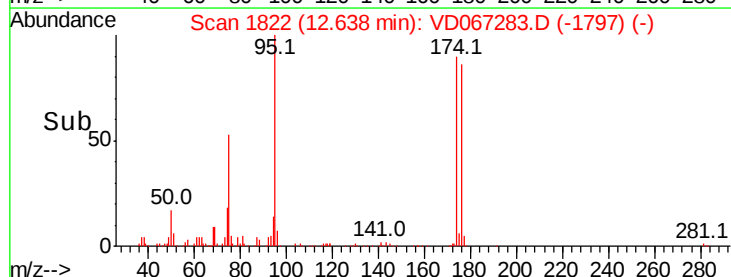
75 100

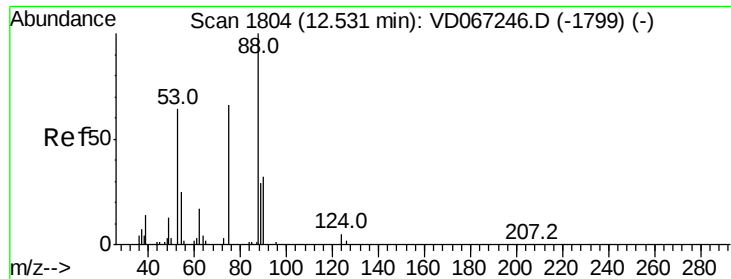
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 143.604 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067283.D

Acq: 15 Oct 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

TP-4

Tot Ion: 75 Resp: 109563

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 39.9 59.9#

