

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
 Data File : VD067595.D
 Acq On : 11 Nov 2020 11:57
 Operator : VA/SY
 Sample : L4702-01
 Misc : 7.06G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 M-5(0-10)

Quant Time: Nov 12 00:08:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

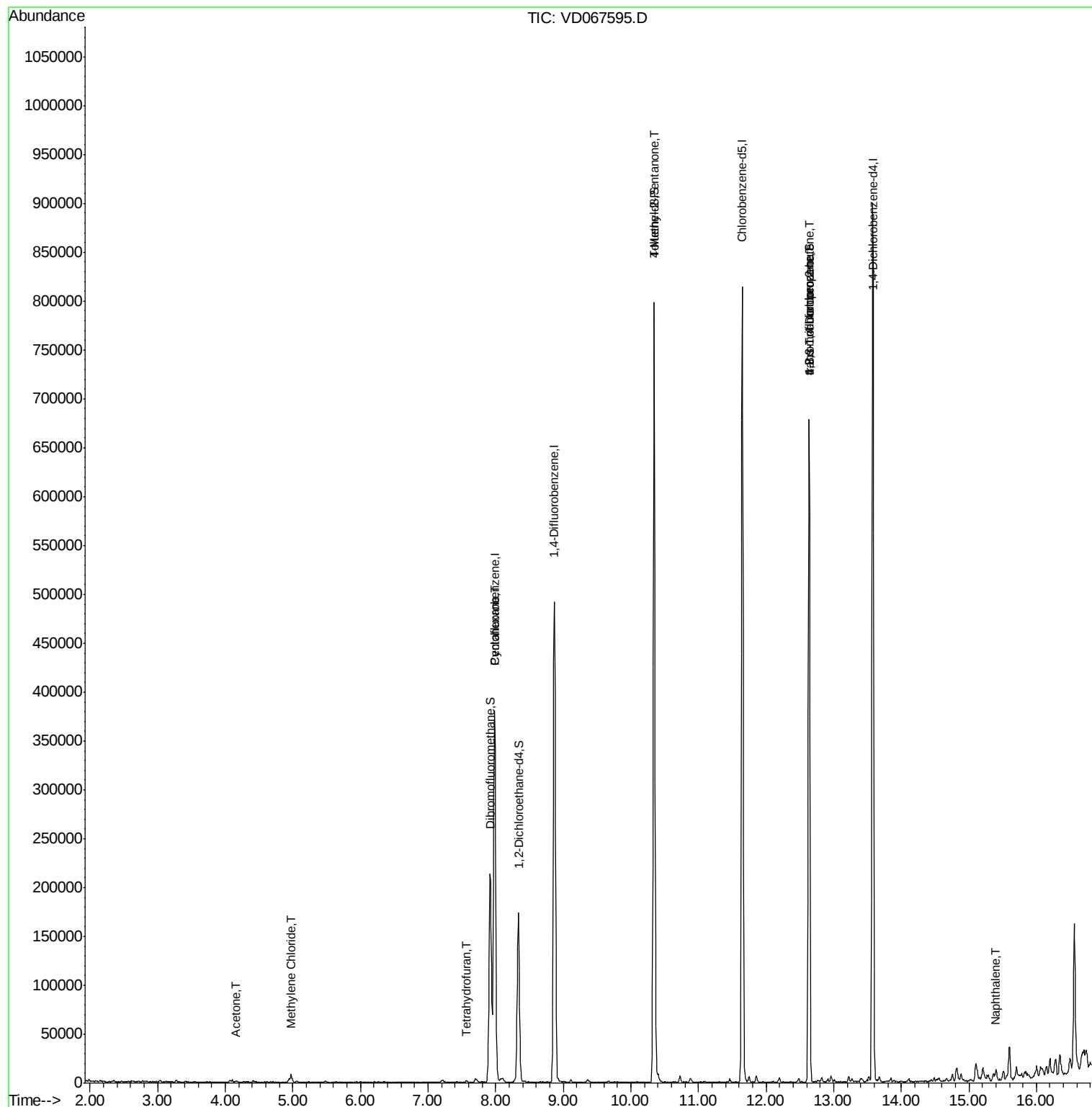
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	286973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	452522	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	469877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	253411	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	151376	60.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.66%	
35) Dibromofluoromethane	7.91	113	150311	55.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.26%	
50) Toluene-d8	10.34	98	543277	56.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.40%	
62) 4-Bromofluorobenzene	12.64	95	210511	63.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	127.28%	
Target Compounds						
2) Dichlorodifluoromethane	1.99	85	985	Below Cal		97
16) Acetone	4.16	43	1910	5.087 ug/l #		69
20) Methylene Chloride	4.97	84	6101	2.300 ug/l #		57
29) Tetrahydrofuran	7.56	42	731	3.042 ug/l #		86
31) Cyclohexane	7.98	56	6321	1.737 ug/l #		21
51) 4-Methyl-2-Pentanone	10.35	43	1834	1.928 ug/l #		1
76) 1,2,3-Trichloropropane	12.64	75	110012	71.964 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.64	75	110012	146.105 ug/l #		10
95) Naphthalene	15.40	128	7622	1.096 ug/l		98

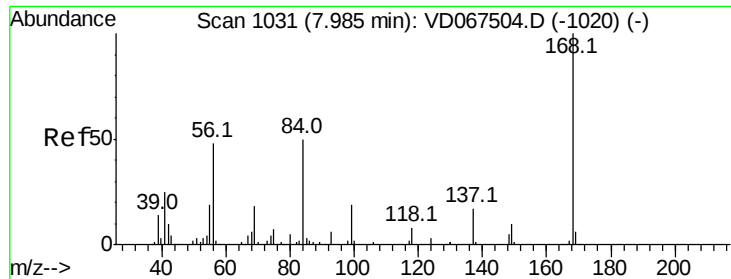
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111120\
Data File : VD067595.D
Acq On : 11 Nov 2020 11:57
Operator : VA/SY
Sample : L4702-01
Misc : 7.06G/5.00ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
M-5(0-10)

Quant Time: Nov 12 00:08:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 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: VD067595.D

Acq: 11 Nov 2020 11:57

Instrument :

MSVOA_D

ClientSampleId :

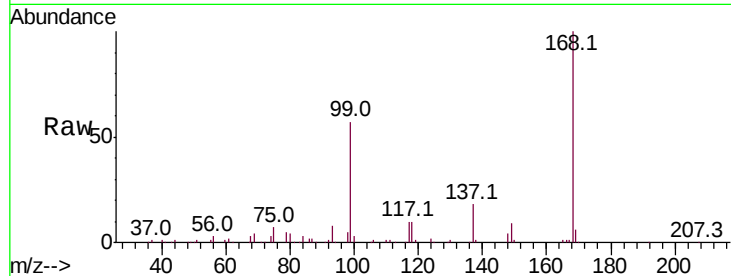
M-5(0-10)

Tot Ion:168 Resp: 286973

Ion Ratio Lower Upper

168 100

99 56.3 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

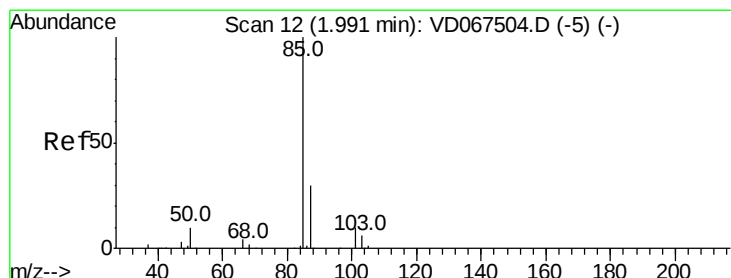
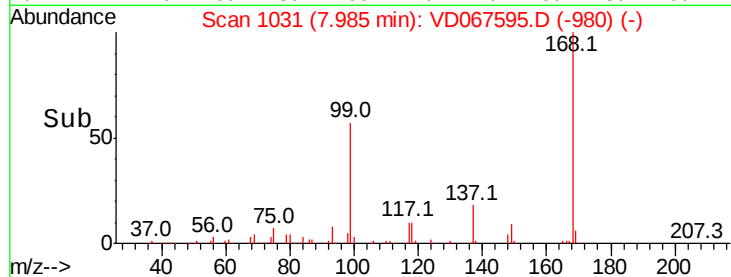
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067595.D

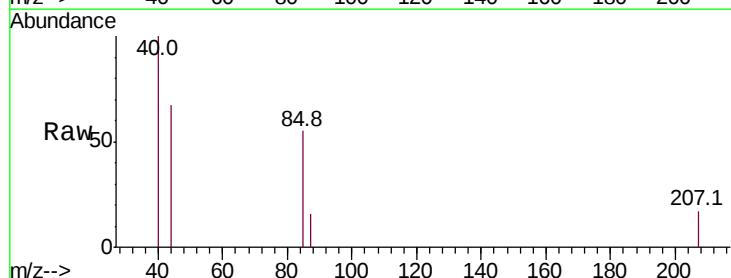
Acq: 11 Nov 2020 11:57

Tgt Ion: 85 Resp: 985

Ion Ratio Lower Upper

85 100

87 29.1 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

800

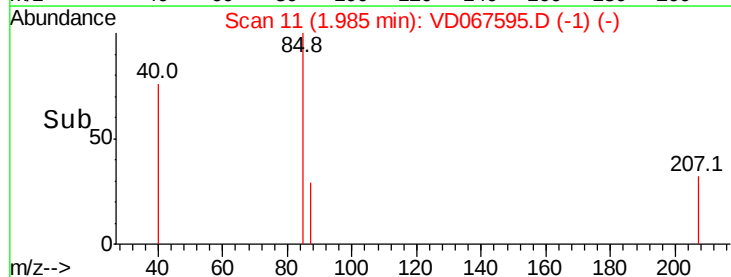
600

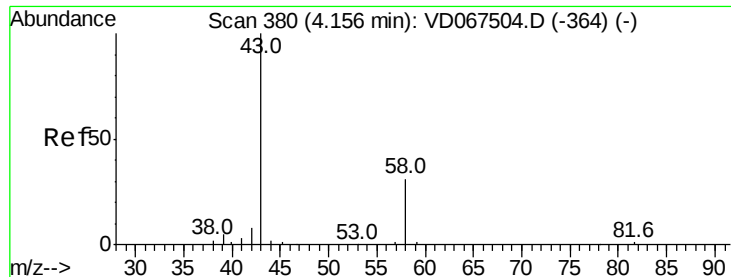
400

200

0

Time-->





#16

Acetone

Concen: 5.087 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067595.D

Acq: 11 Nov 2020 11:57

Instrument :

MSVOA_D

ClientSampleId :

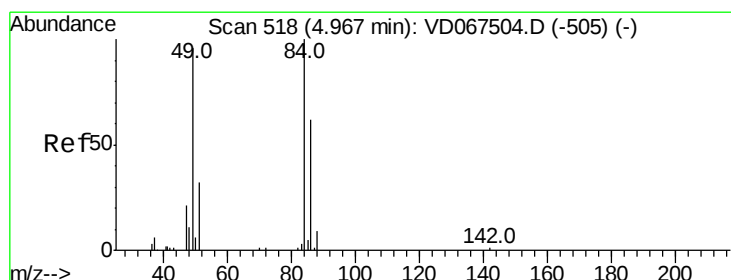
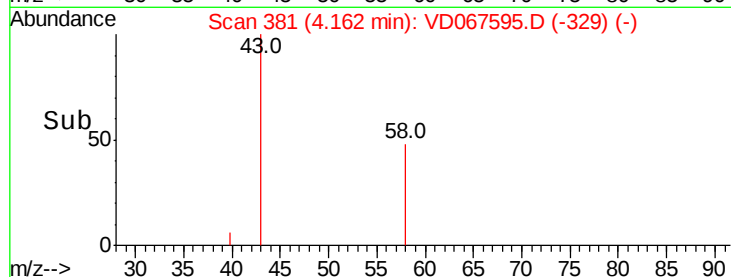
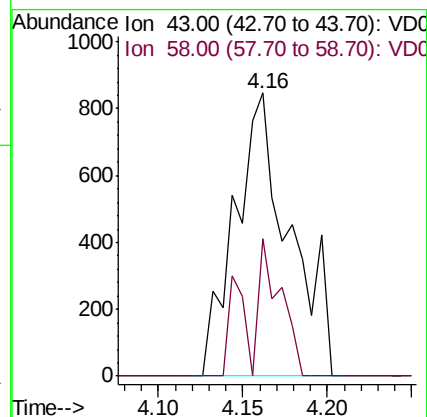
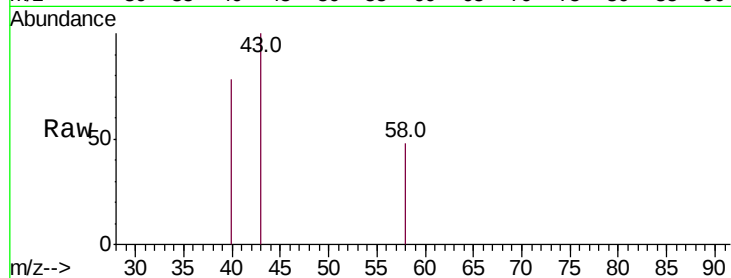
M-5(0-10)

Tot Ion: 43 Resp: 1910

Ion Ratio Lower Upper

43 100

58 48.4 25.2 37.8#



#20

Methylene Chloride

Concen: 2.300 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067595.D

Acq: 11 Nov 2020 11:57

Tgt Ion: 84 Resp: 6101

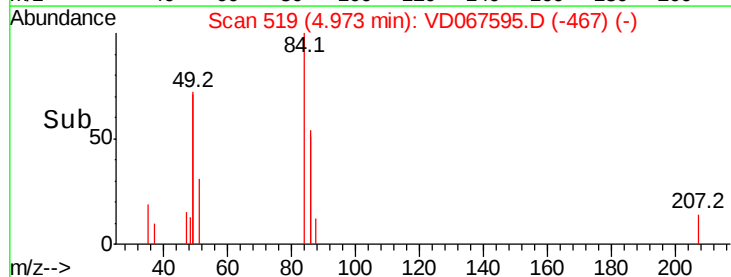
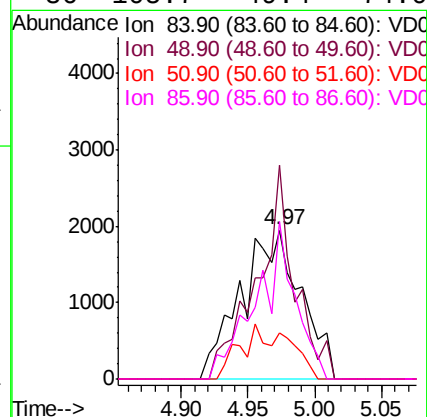
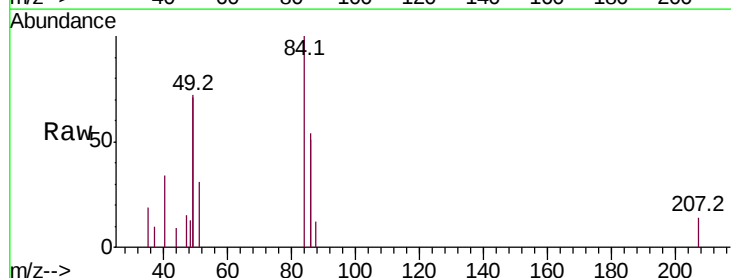
Ion Ratio Lower Upper

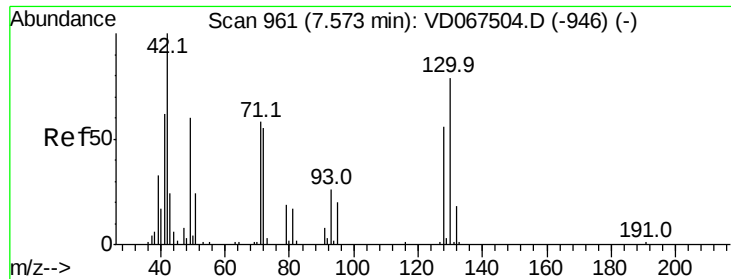
84 100

49 143.6 77.0 115.4#

51 31.3 25.4 38.2

86 105.7 49.4 74.0#





#29

Tetrahydrofuran

Concen: 3.042 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067595.D

Acq: 11 Nov 2020 11:57

Instrument :

MSVOA_D

ClientSampleId :

M-5(0-10)

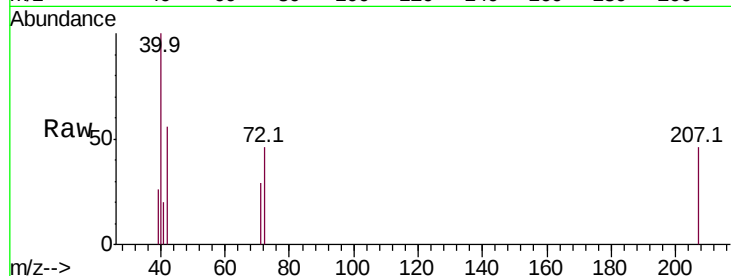
Tot Ion: 42 Resp: 731

Ion Ratio Lower Upper

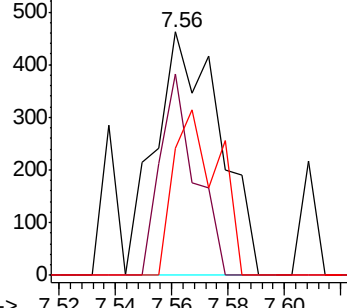
42 100

72 45.1 46.3 69.5#

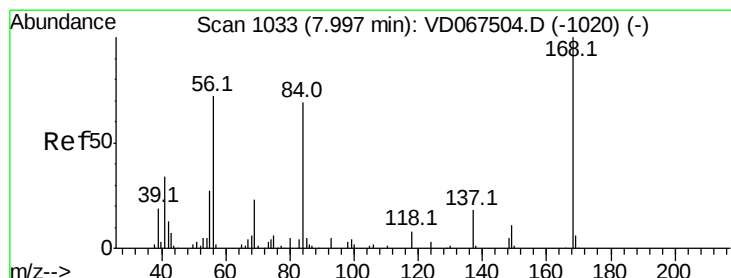
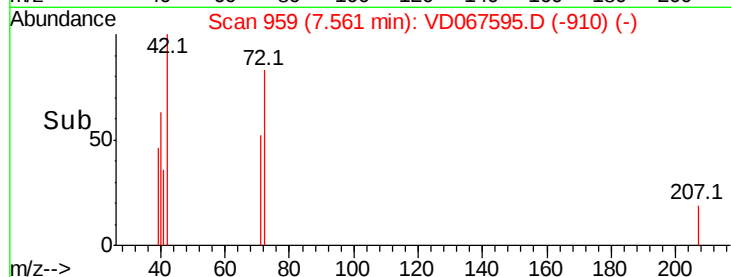
71 47.2 44.0 66.0



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--> 7.52 7.54 7.56 7.58 7.60



#31

Cyclohexane

Concen: 1.737 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067595.D

Acq: 11 Nov 2020 11:57

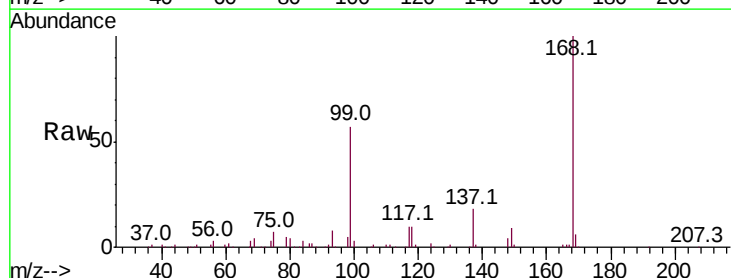
Tgt Ion: 56 Resp: 6321

Ion Ratio Lower Upper

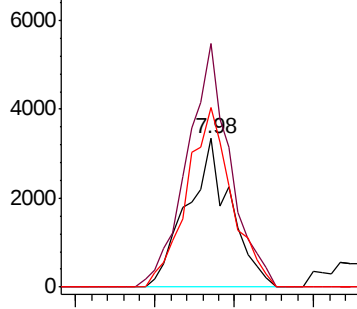
56 100

69 164.2 25.9 38.9#

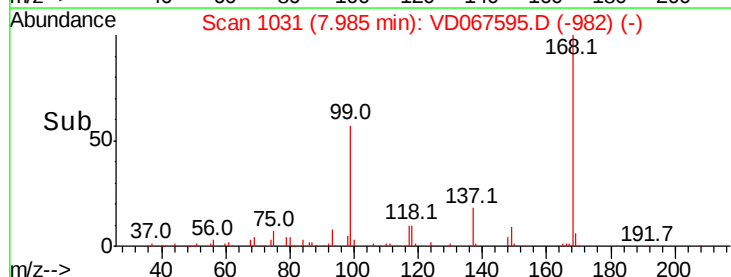
84 121.1 76.2 114.4#

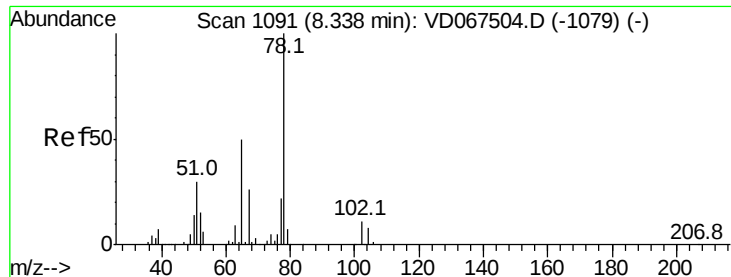


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



Time--> 7.90 7.95 8.00 8.05

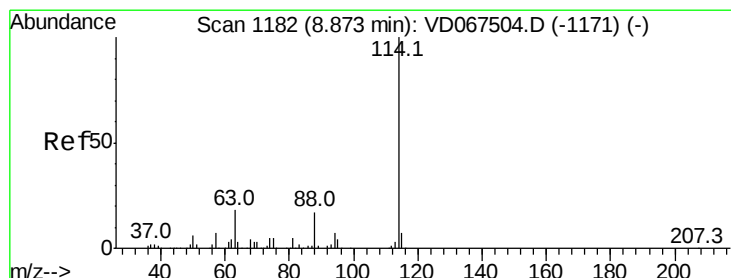
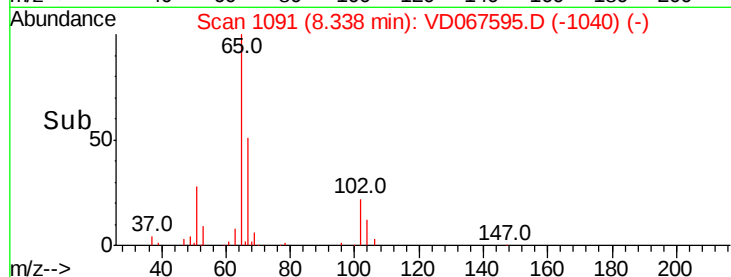
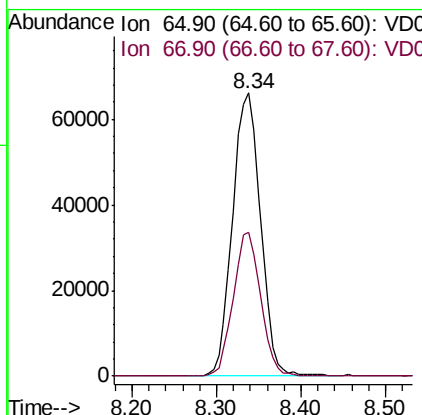
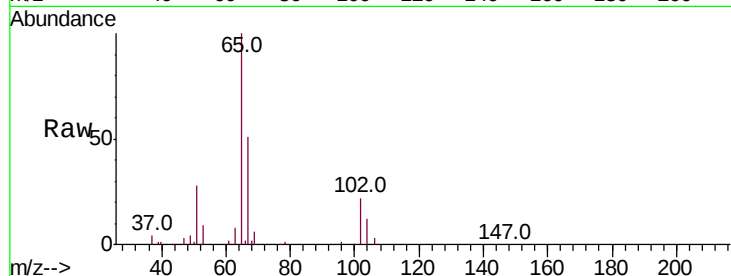




#33
 1,2-Dichloroethane-d4
 Concen: 60.327 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067595.D
 Acq: 11 Nov 2020 11:57

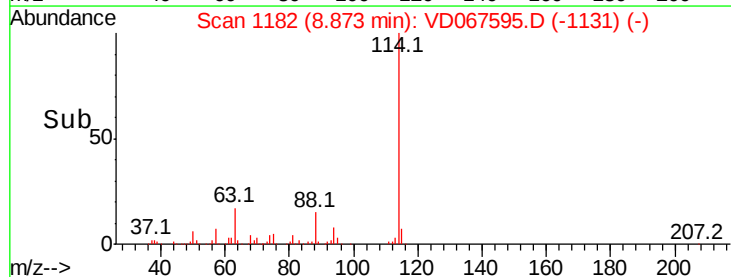
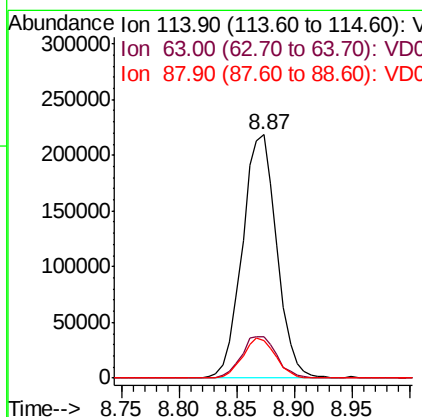
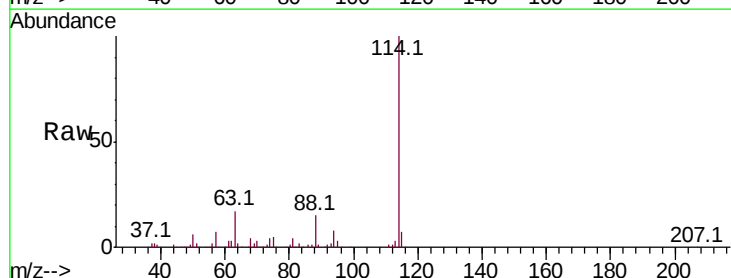
Instrument :
 MSVOA_D
 ClientSampleId :
 M-5(0-10)

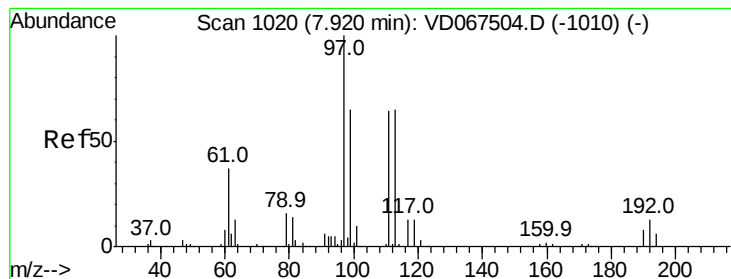
Tot Ion: 65 Resp: 151376
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VD067595.D
 Acq: 11 Nov 2020 11:57

Tgt Ion: 114 Resp: 452522
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 35.0
 88 15.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 55.131 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD067595.D

Acq: 11 Nov 2020 11:57

Instrument :

MSVOA_D

ClientSampleId :

M-5(0-10)

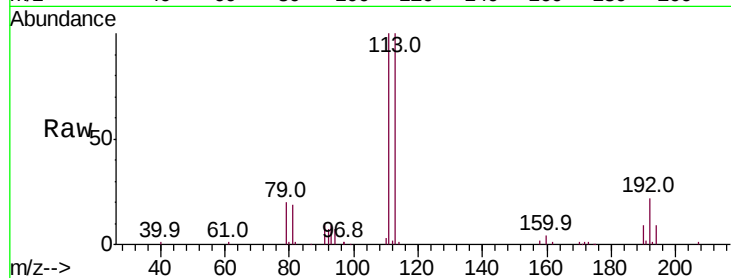
Tot Ion:113 Resp: 150311

Ion Ratio Lower Upper

113 100

111 103.3 80.0 120.0

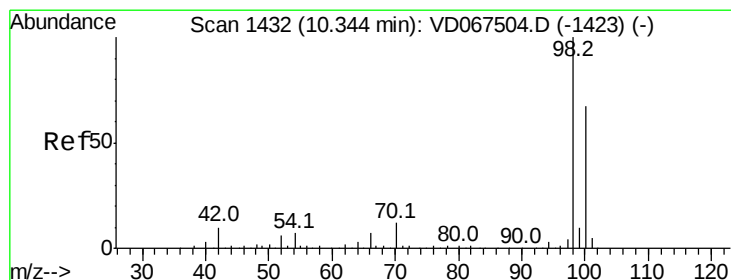
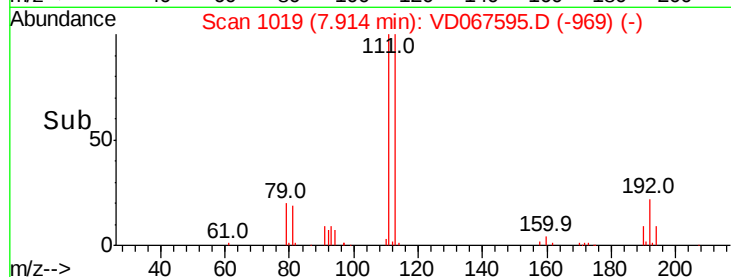
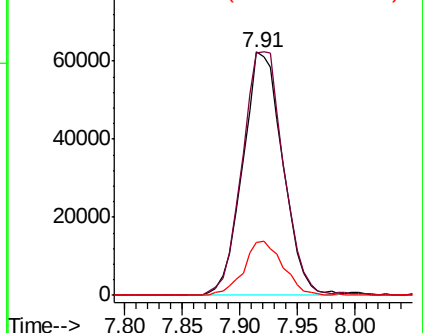
192 22.1 16.3 24.5



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



#50

Toluene-d8

Concen: 56.702 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067595.D

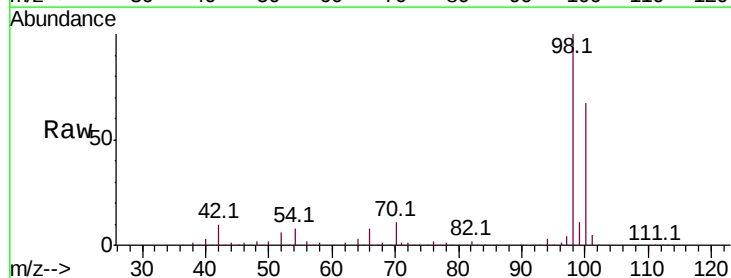
Acq: 11 Nov 2020 11:57

Tgt Ion: 98 Resp: 543277

Ion Ratio Lower Upper

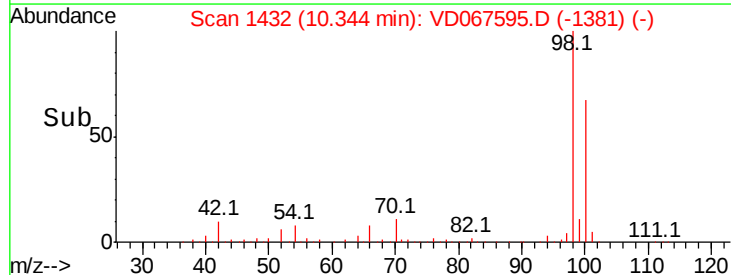
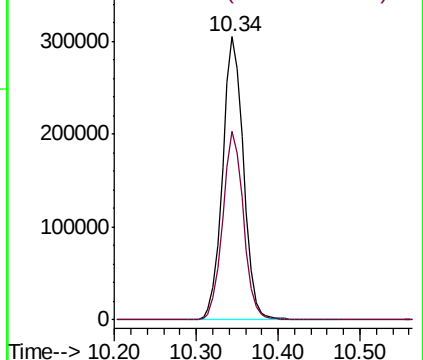
98 100

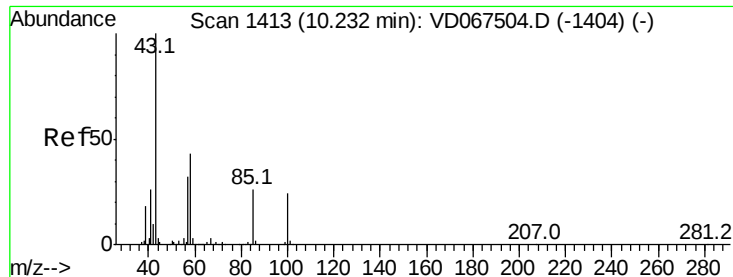
100 66.1 53.0 79.6



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: 1.928 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.12 min

Lab File: VD067595.D

Acq: 11 Nov 2020 11:57

Instrument :

MSVOA_D

ClientSampleId :

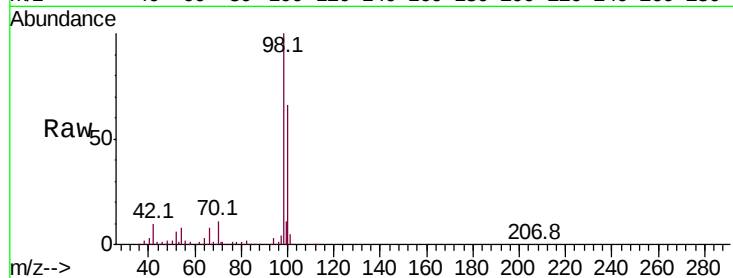
M-5(0-10)

Tot Ion: 43 Resp: 1834

Ion Ratio Lower Upper

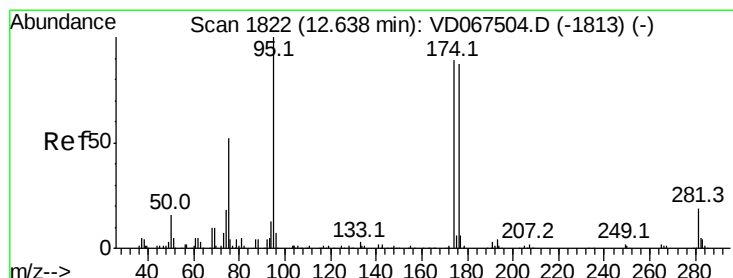
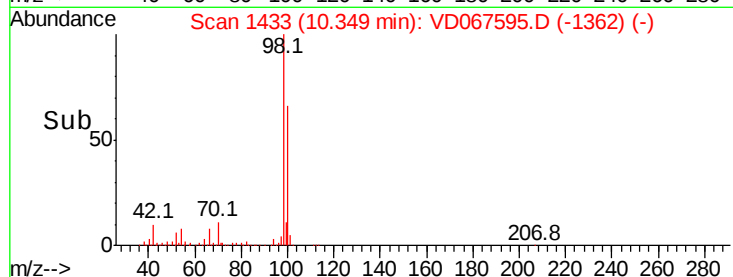
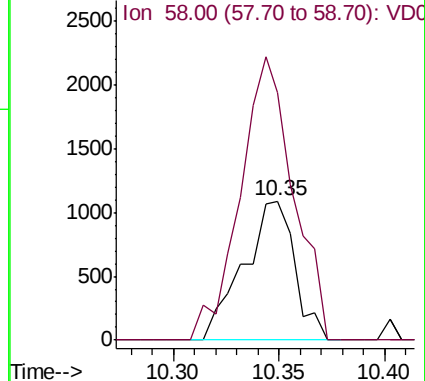
43 100

58 212.3 35.6 53.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 63.639 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067595.D

Acq: 11 Nov 2020 11:57

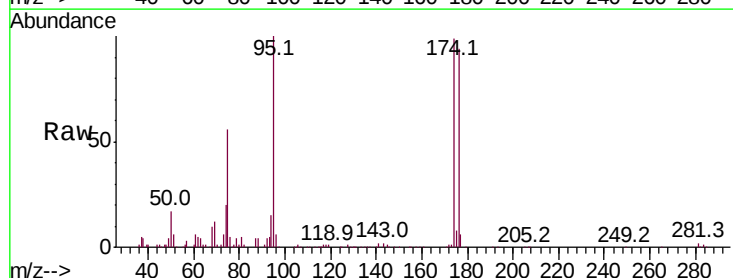
Tgt Ion: 95 Resp: 210511

Ion Ratio Lower Upper

95 100

174 93.0 0.0 177.8

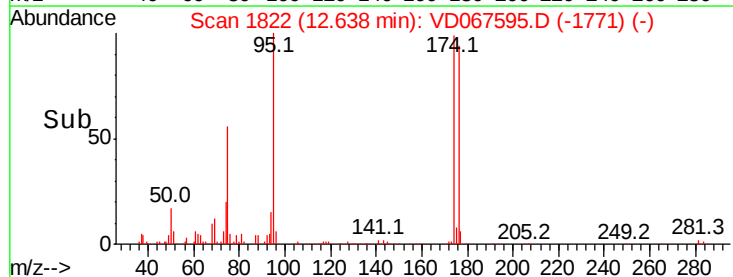
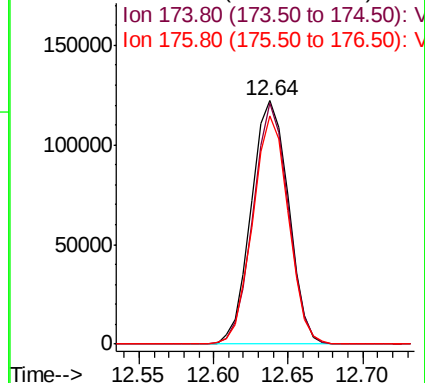
176 89.8 0.0 172.0

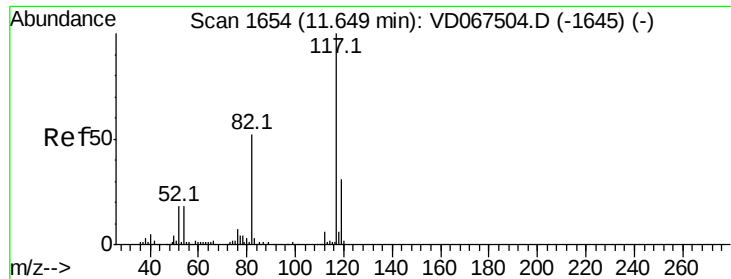


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

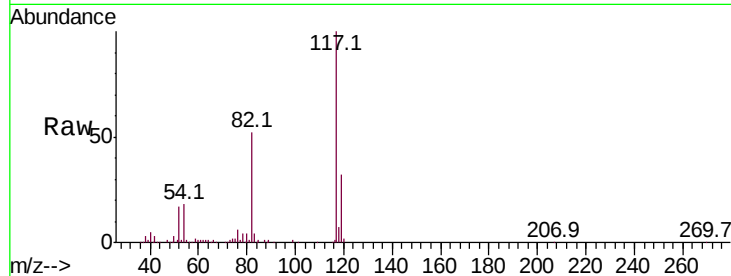




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067595.D
Acq: 11 Nov 2020 11:57

Instrument :
MSVOA_D
ClientSampleId :
M-5(0-10)

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	41.6	62.4
119	31.5	25.1	37.7

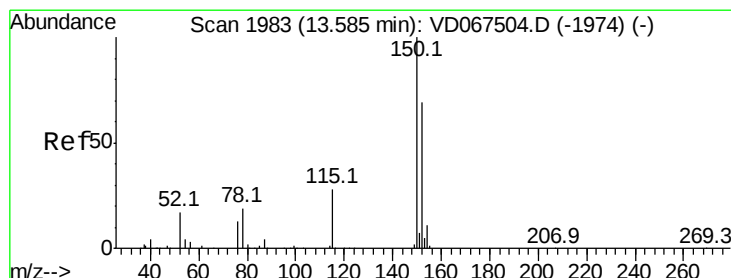
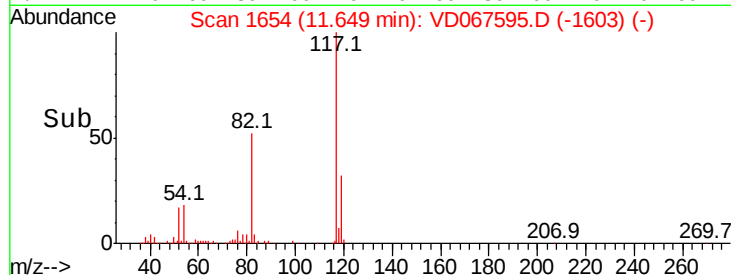
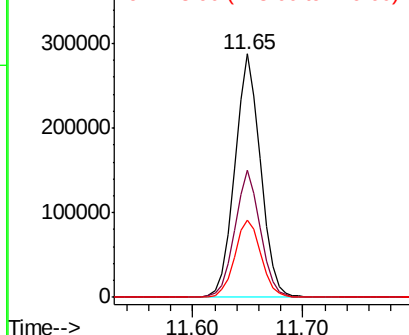


Abundance

Ion 116.90 (116.60 to 117.60): V

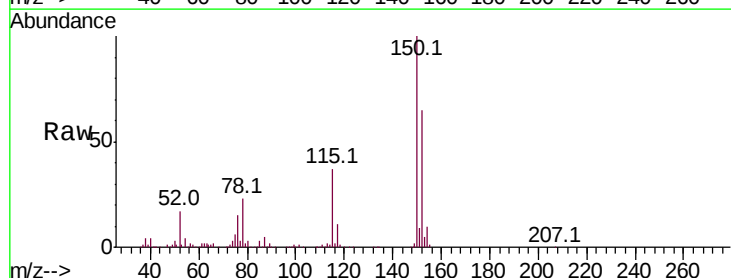
Ion 82.00 (81.70 to 82.70): V

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: VD067595.D
Acq: 11 Nov 2020 11:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.3	88.0
150	155.3	0.0	338.2

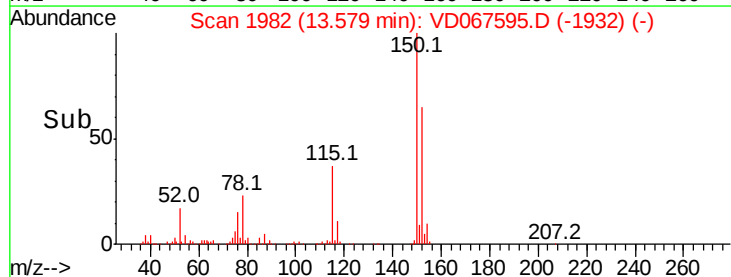
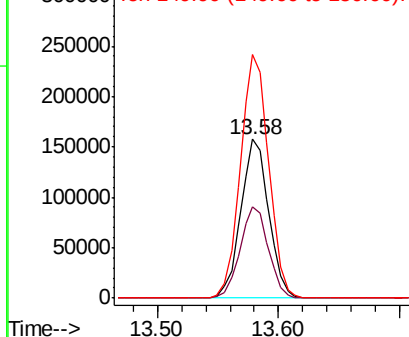


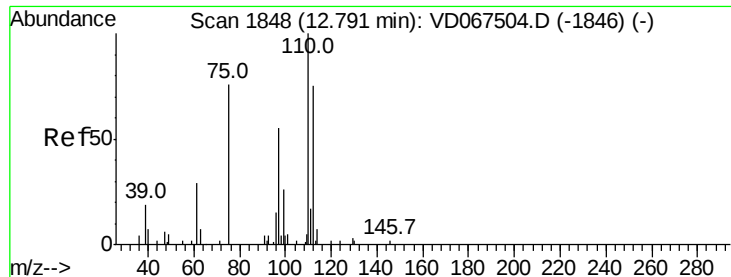
Abundance

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: 71.964 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067595.D

Acq: 11 Nov 2020 11:57

Instrument :

MSVOA_D

ClientSampleId :

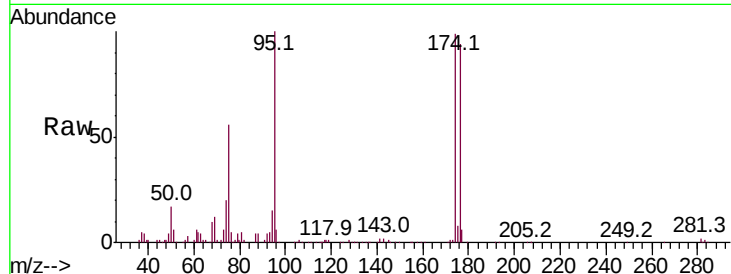
M-5(0-10)

Tot Ion: 75 Resp: 110012

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

80000

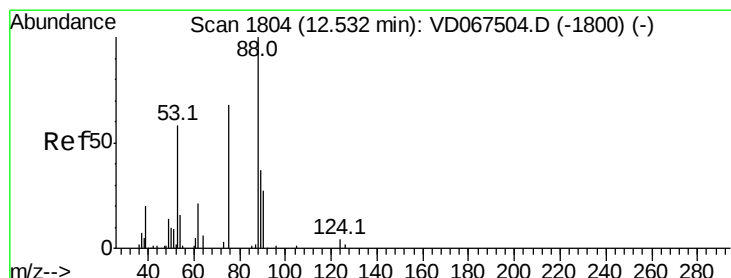
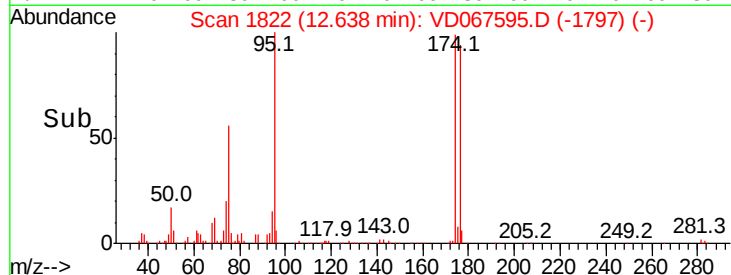
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 146.105 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067595.D

Acq: 11 Nov 2020 11:57

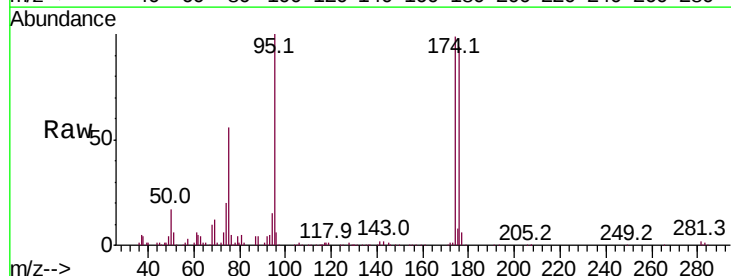
Tgt Ion: 75 Resp: 110012

Ion Ratio Lower Upper

75 100

53 0.1 75.9 113.9#

89 0.1 44.6 67.0#



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

12.64

80000

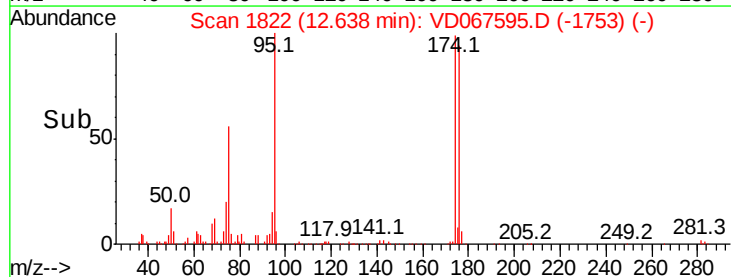
60000

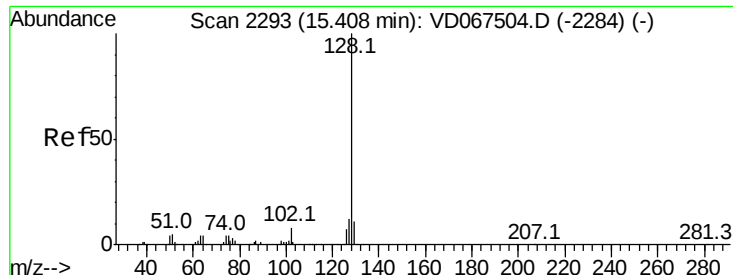
40000

20000

0

Time--> 12.55 12.60 12.65 12.70





#95

Naphthalene

Concen: 1.096 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD067595.D

Acq: 11 Nov 2020 11:57

Instrument :

MSVOA_D

ClientSampleId :

M-5(0-10)

Tot Ion:128 Resp: 7622

Ion Ratio Lower Upper

128 100

127 14.5 10.2 15.4

129 11.0 8.9 13.3

