

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD067013.D
 Acq On : 02 Oct 2020 01:57
 Operator : VA/SY
 Sample : L4198-19
 Misc : 7.27G/5.00ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-20

Quant Time: Oct 02 04:13:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

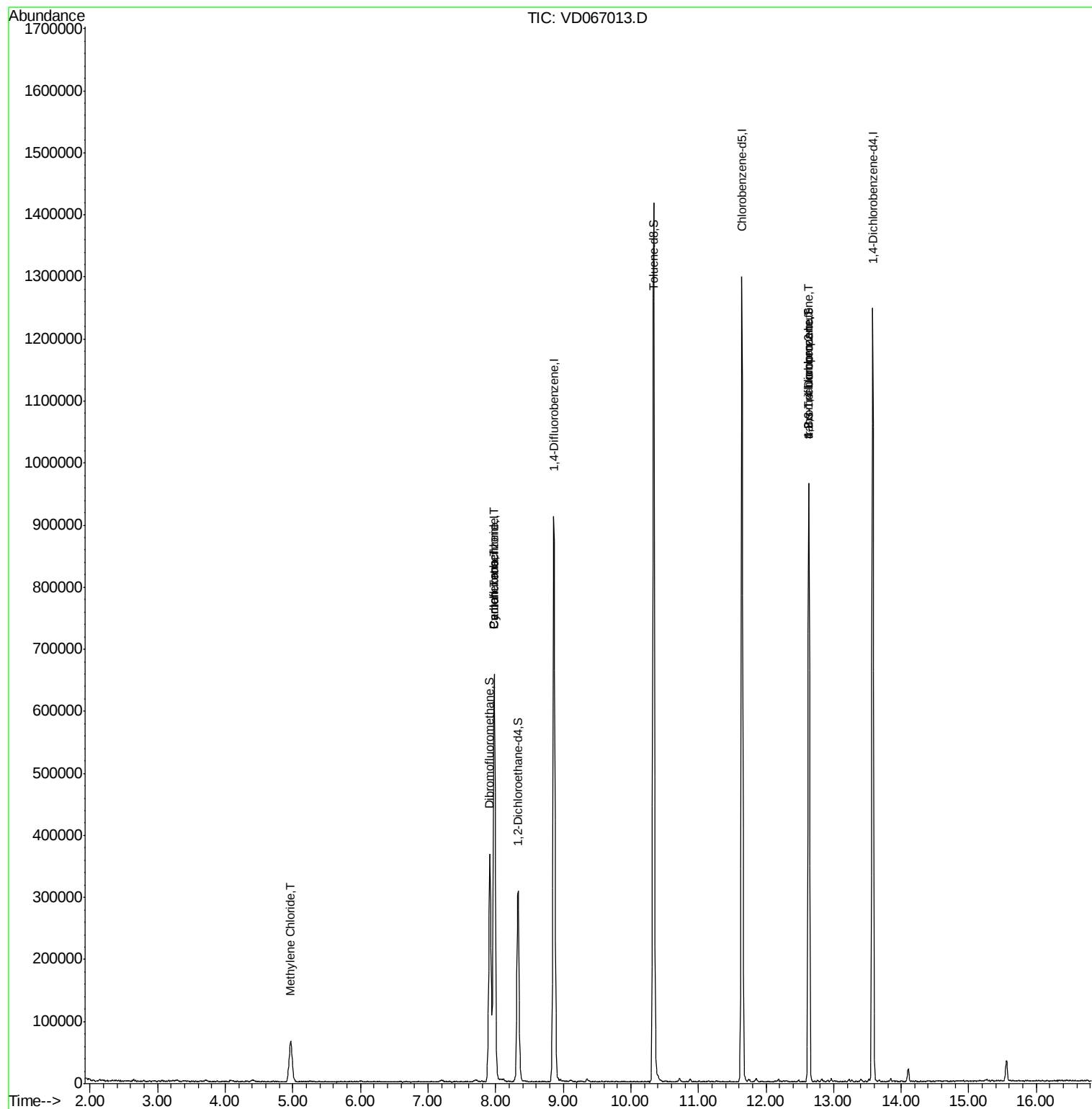
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	485086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	815941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	755209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	334827	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	250927	53.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.40%	
35) Dibromofluoromethane	7.91	113	266310	49.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.70%	
50) Toluene-d8	10.34	98	973721	50.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.04%	
62) 4-Bromofluorobenzene	12.63	95	310183	46.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.88%	
Target Compounds						
2) Dichlorodifluoromethane	1.98	85	1275	Below Cal	#	40
5) Bromomethane	2.77	94	849	Below Cal	#	11
11) Tert butyl alcohol	5.21	59	332	Below Cal	#	72
20) Methylene Chloride	4.97	84	54427	4.071	ug/l	95
26) 2,2-Dichloropropane	7.20	77	828	Below Cal	#	53
31) Cyclohexane	7.97	56	10887	1.552	ug/l #	38
38) Carbon Tetrachloride	7.98	117	49792	6.051	ug/l #	15
76) 1,2,3-Trichloropropane	12.63	75	156618	53.701	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	156618	133.885	ug/l #	12

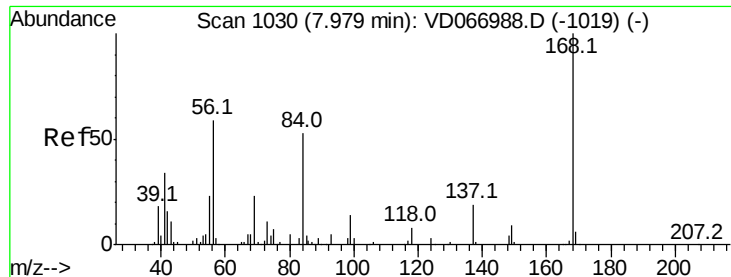
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100120\
Data File : VD067013.D
Acq On : 02 Oct 2020 01:57
Operator : VA/SY
Sample : L4198-19
Misc : 7.27G/5.00ml/MSVOA D/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RO-20

Quant Time: Oct 02 04:13:42 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067013.D

Acq: 02 Oct 2020 01:57

Instrument :

MSVOA_D

ClientSampleId :

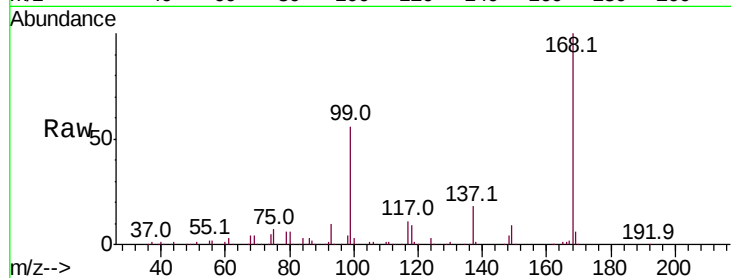
RO-20

Tot Ion:168 Resp: 485086

Ion Ratio Lower Upper

168 100

99 56.1 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

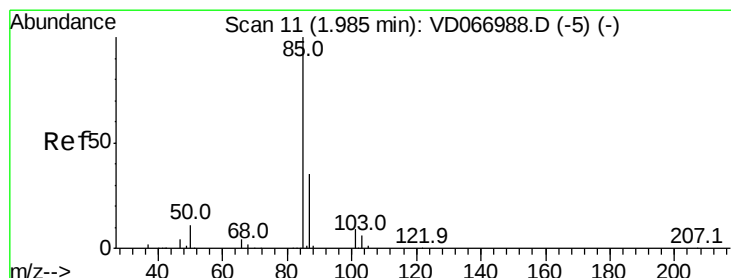
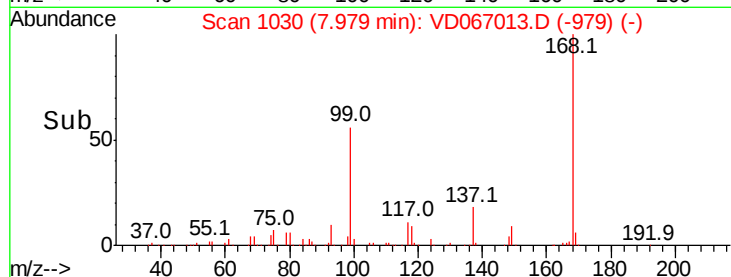
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD067013.D

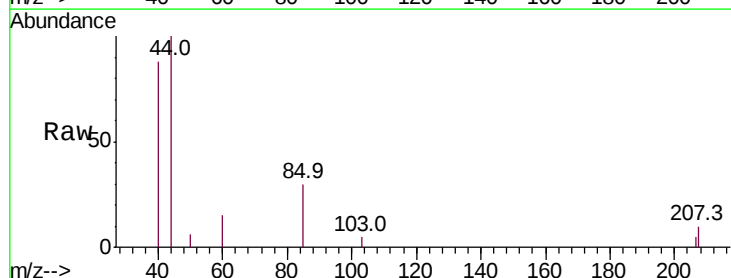
Acq: 02 Oct 2020 01:57

Tgt Ion: 85 Resp: 1275

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

1200

1000

800

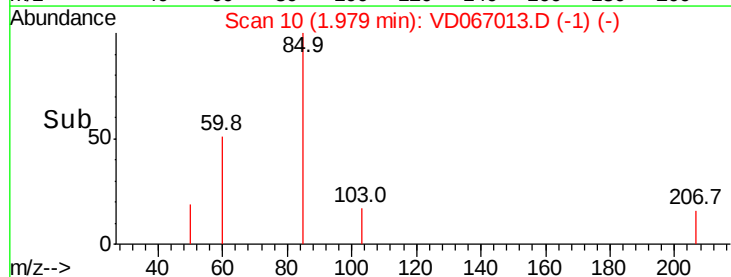
600

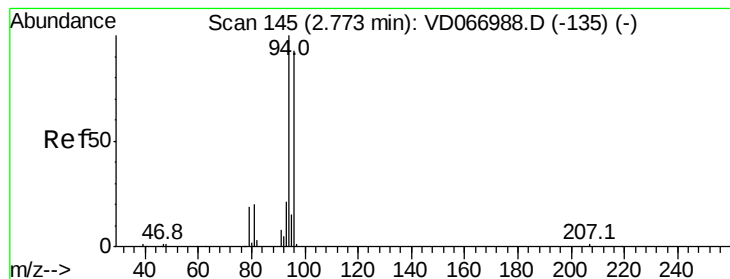
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067013.D

Acq: 02 Oct 2020 01:57

Instrument :

MSVOA_D

ClientSampleId :

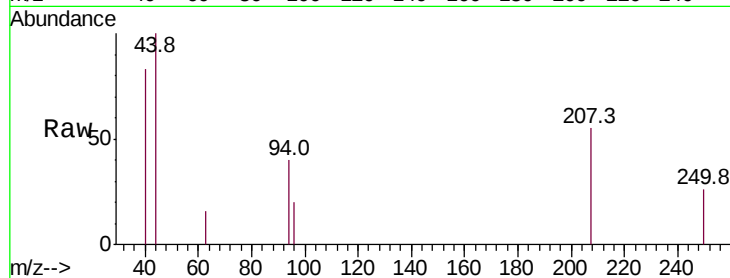
RO-20

Tot Ion: 94 Resp: 849

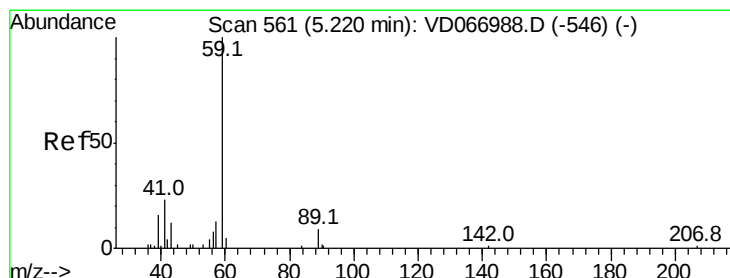
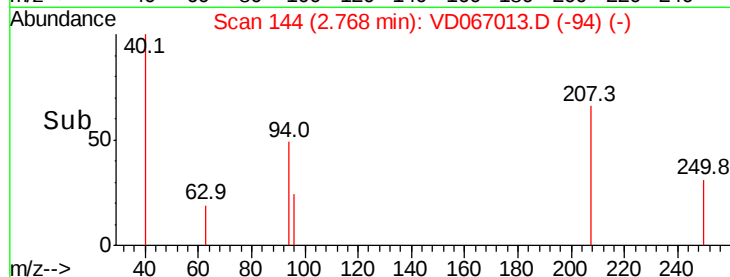
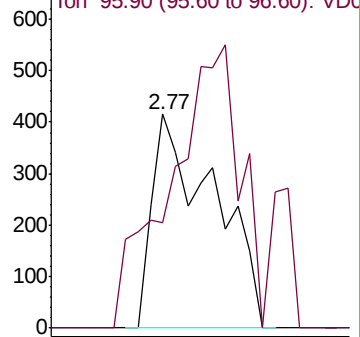
Ion Ratio Lower Upper

94 100

96 7.5 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD067013.D

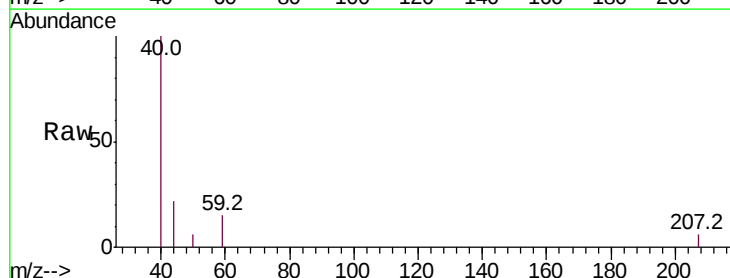
Acq: 02 Oct 2020 01:57

Tgt Ion: 59 Resp: 332

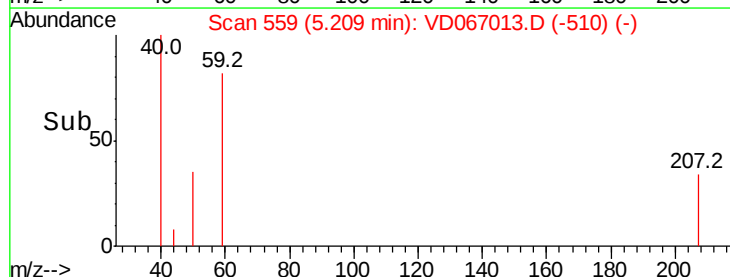
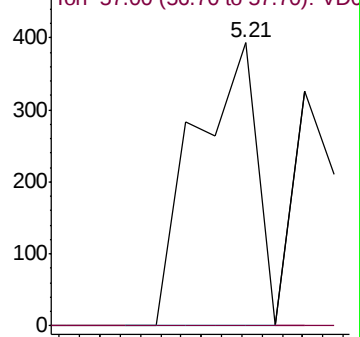
Ion Ratio Lower Upper

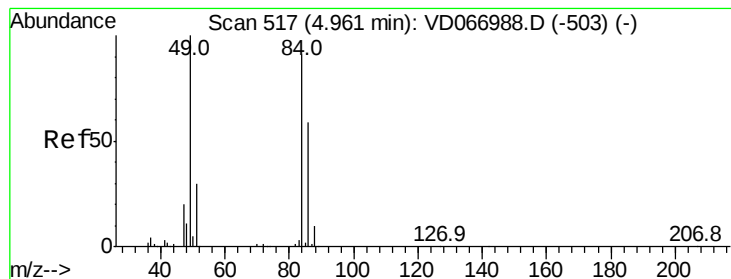
59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC





#20

Methylene Chloride

Concen: 4.071 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067013.D

Acq: 02 Oct 2020 01:57

Instrument :

MSVOA_D

ClientSampleID :

RO-20

Tot Ion: 84 Resp: 54427

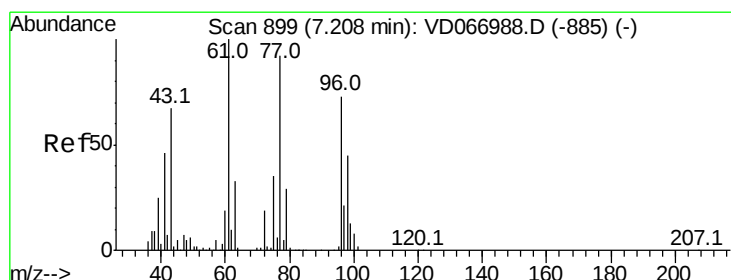
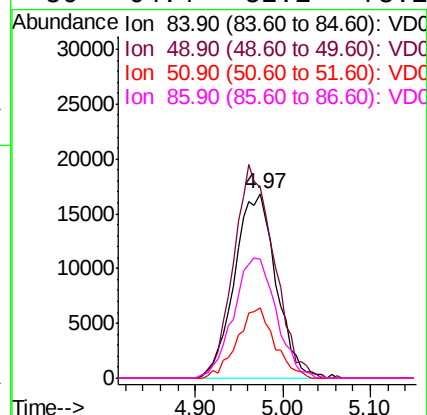
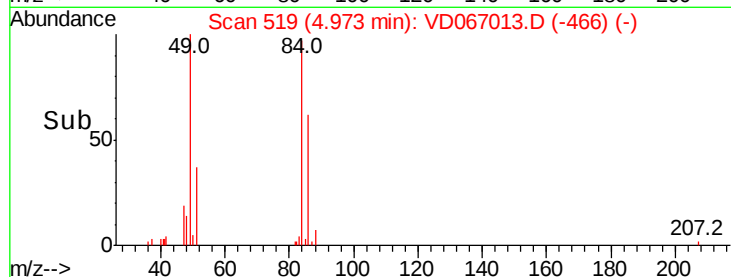
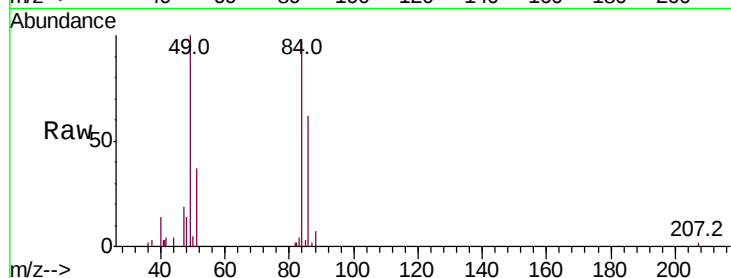
Ion Ratio Lower Upper

84 100

49 103.4 88.2 132.2

51 38.4 26.6 39.8

86 64.4 52.1 78.1



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067013.D

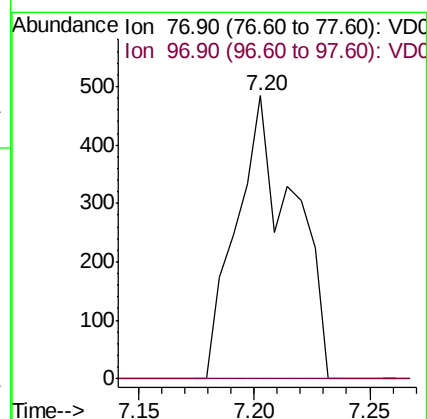
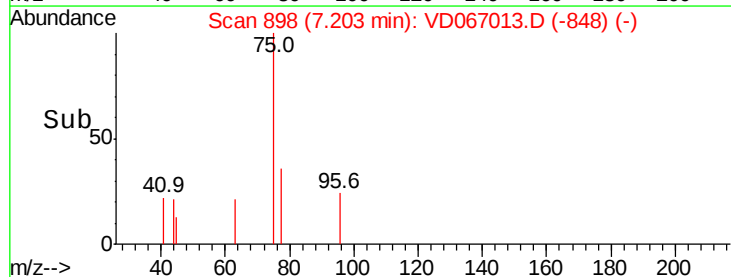
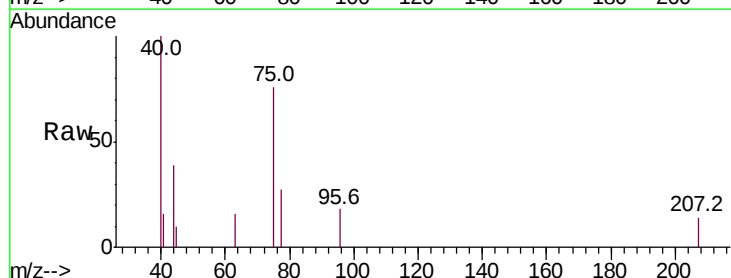
Acq: 02 Oct 2020 01:57

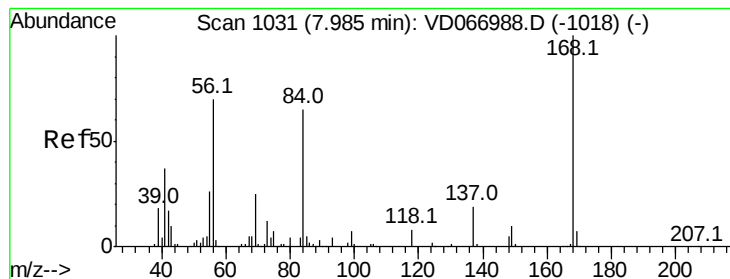
Tgt Ion: 77 Resp: 828

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#





#31

Cyclohexane

Concen: 1.552 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD067013.D

Acq: 02 Oct 2020 01:57

Instrument :

MSVOA_D

ClientSampleID :

RO-20

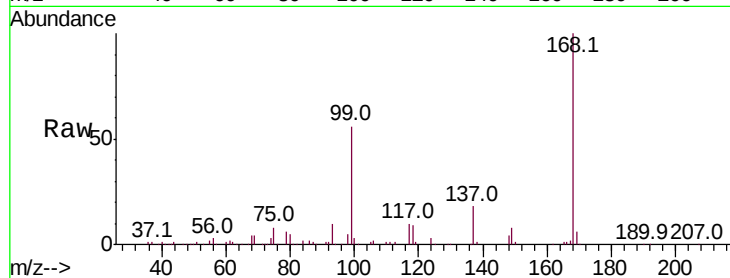
Tot Ion: 56 Resp: 10887

Ion Ratio Lower Upper

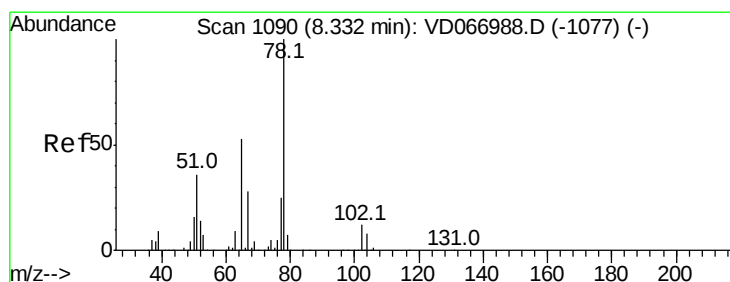
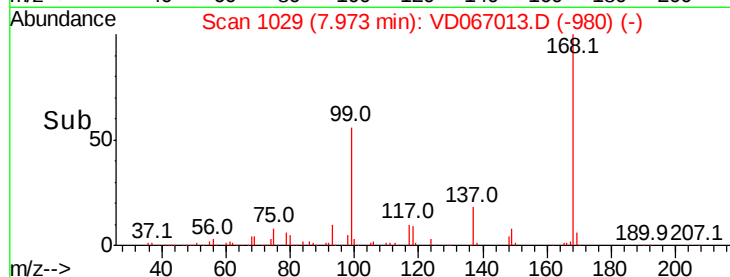
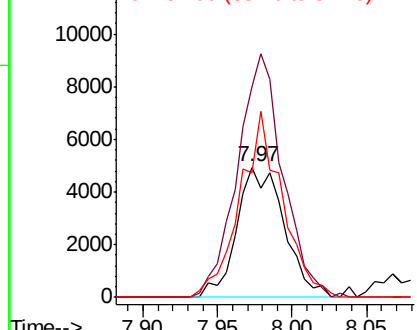
56 100

69 162.2 29.0 43.6#

84 95.9 74.2 111.2



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: 53.705 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067013.D

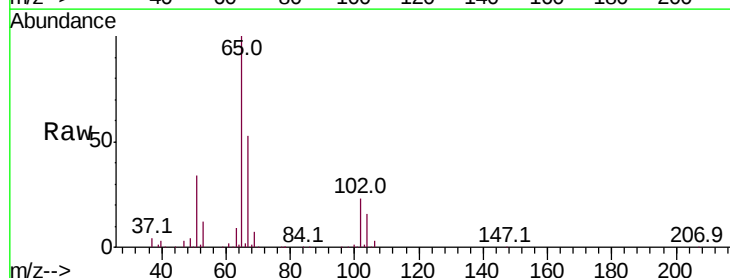
Acq: 02 Oct 2020 01:57

Tgt Ion: 65 Resp: 250927

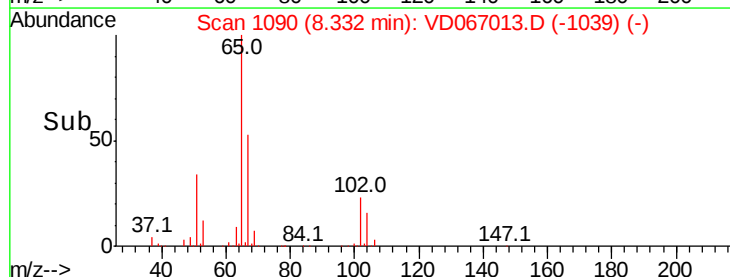
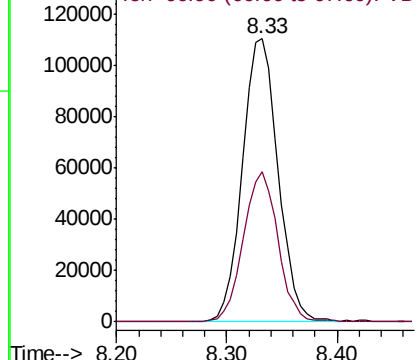
Ion Ratio Lower Upper

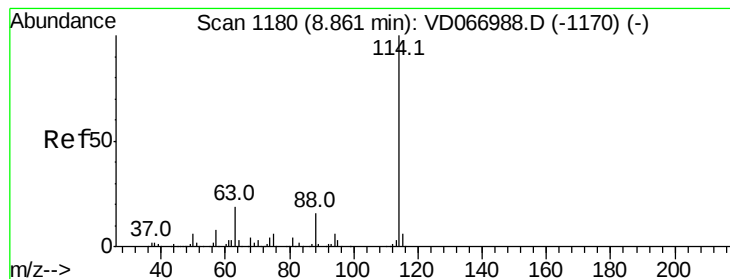
65 100

67 51.5 0.0 106.8



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: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067013.D

Acq: 02 Oct 2020 01:57

Instrument :

MSVOA_D

ClientSampleId :

RO-20

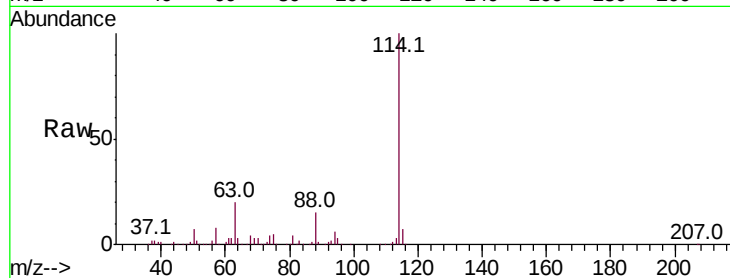
Tot Ion:114 Resp: 815941

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.4

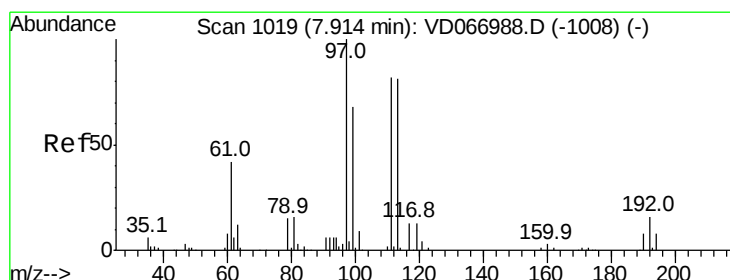
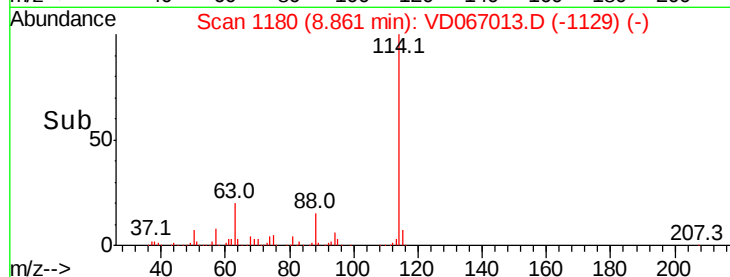
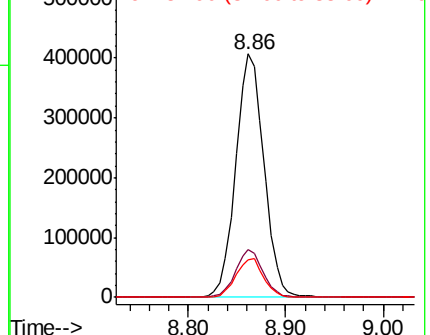
88 15.4 0.0 31.2



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: 49.854 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067013.D

Acq: 02 Oct 2020 01:57

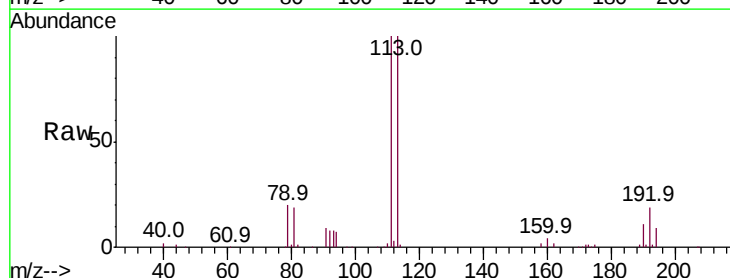
Tgt Ion:113 Resp: 266310

Ion Ratio Lower Upper

113 100

111 100.9 83.0 124.4

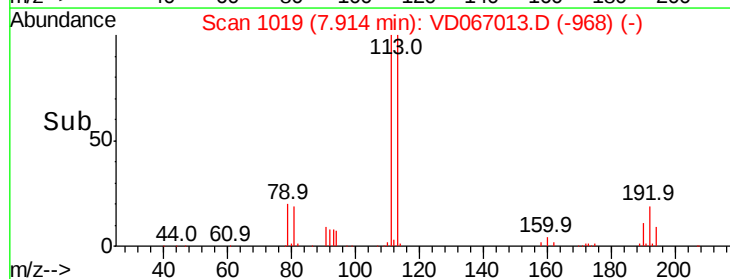
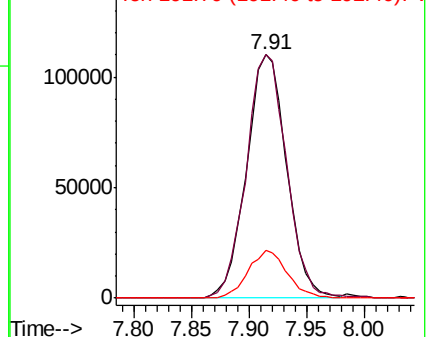
192 19.1 15.5 23.3

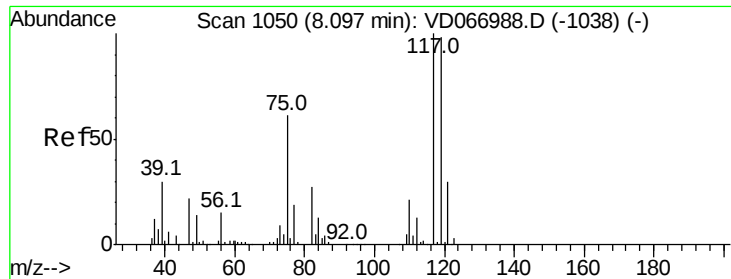


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 6.051 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067013.D

Acq: 02 Oct 2020 01:57

Instrument :

MSVOA_D

ClientSampleId :

RO-20

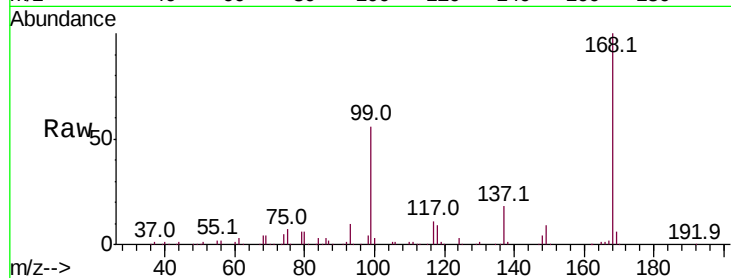
Tot Ion:117 Resp: 49792

Ion Ratio Lower Upper

117 100

119 5.1 78.7 118.1#

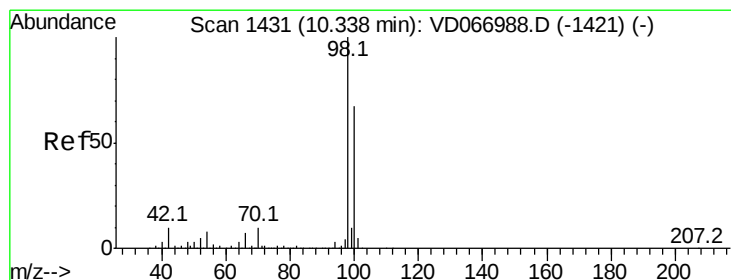
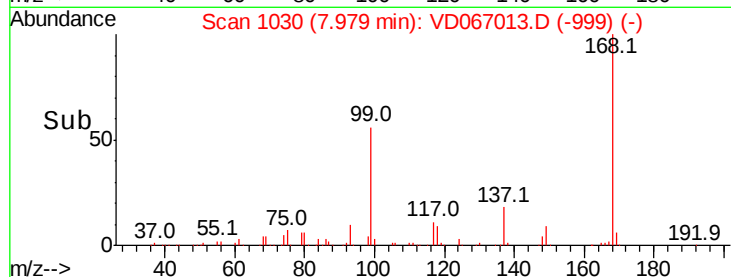
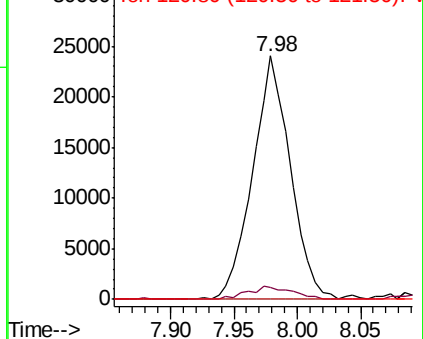
121 0.0 24.2 36.2#



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: 50.024 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067013.D

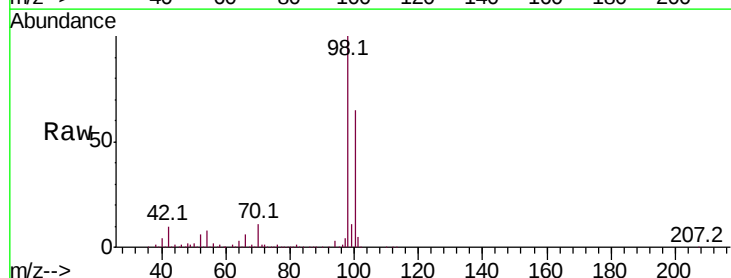
Acq: 02 Oct 2020 01:57

Tgt Ion: 98 Resp: 973721

Ion Ratio Lower Upper

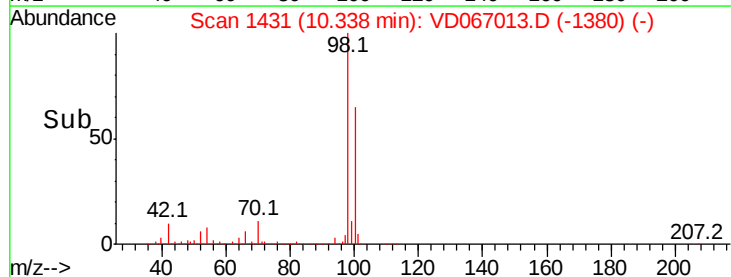
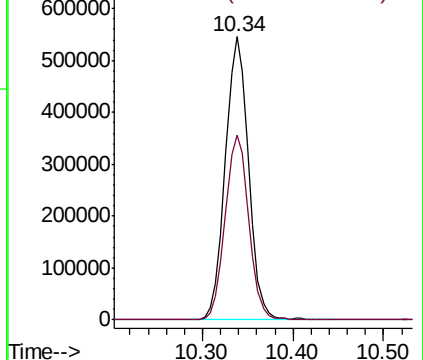
98 100

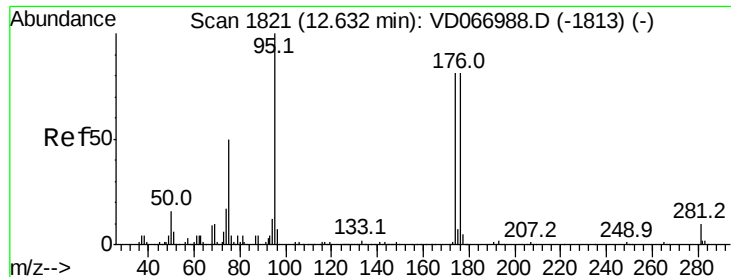
100 66.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.941 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD067013.D

Acq: 02 Oct 2020 01:57

Instrument :

MSVOA_D

ClientSampled :

RO-20

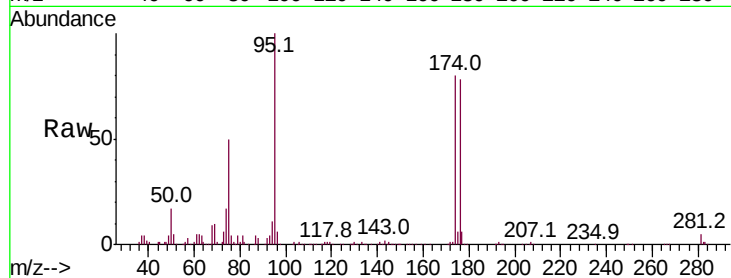
Tot Ion: 95 Resp: 310183

Ion Ratio Lower Upper

95 100

174 82.8 0.0 167.6

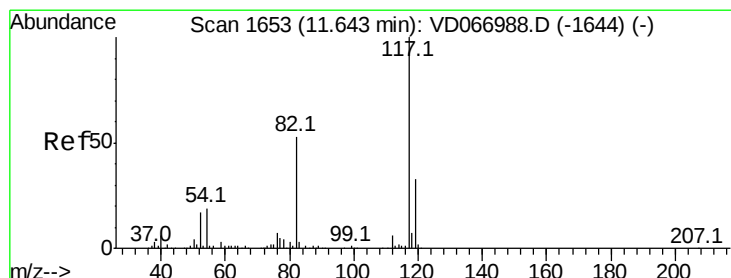
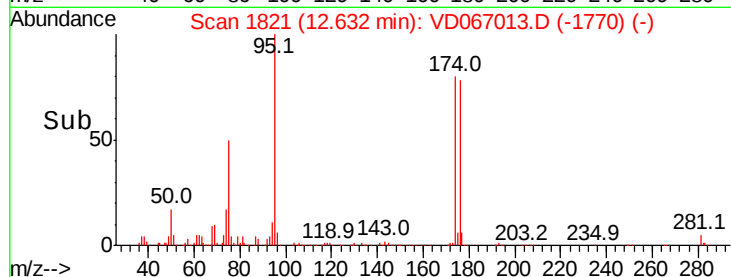
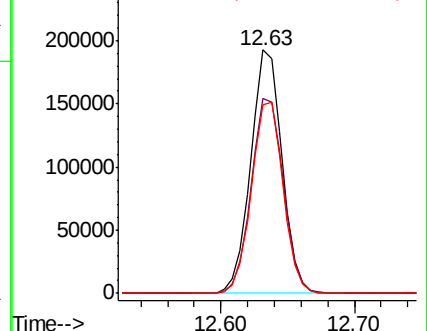
176 79.7 0.0 162.4



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: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD067013.D

Acq: 02 Oct 2020 01:57

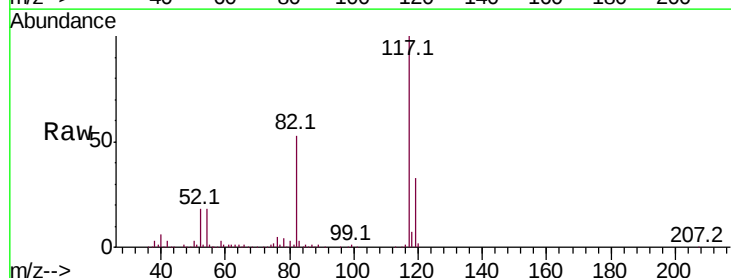
Tgt Ion: 117 Resp: 755209

Ion Ratio Lower Upper

117 100

82 52.9 42.6 63.8

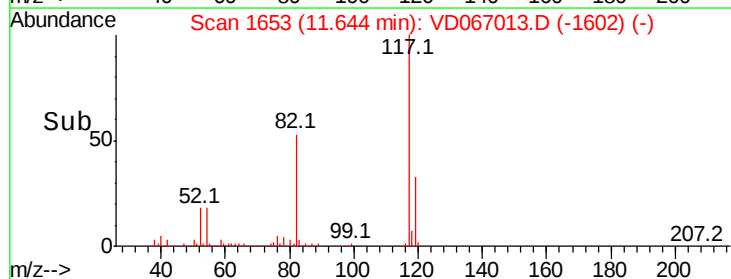
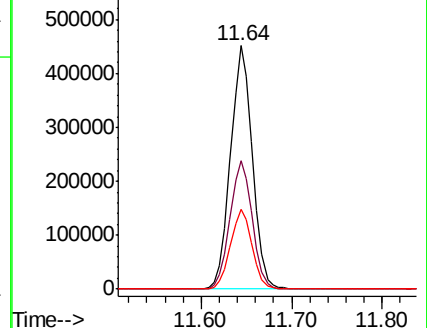
119 32.8 26.3 39.5

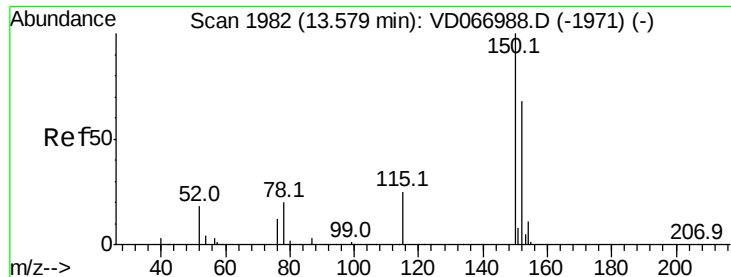


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



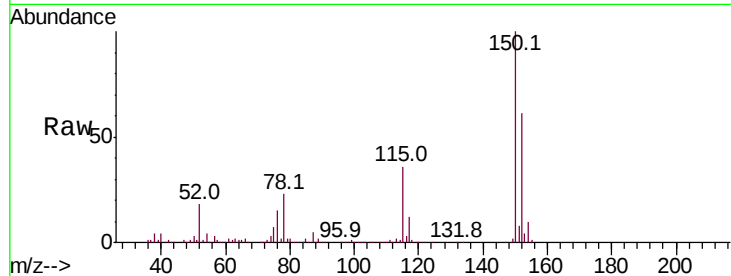


#72

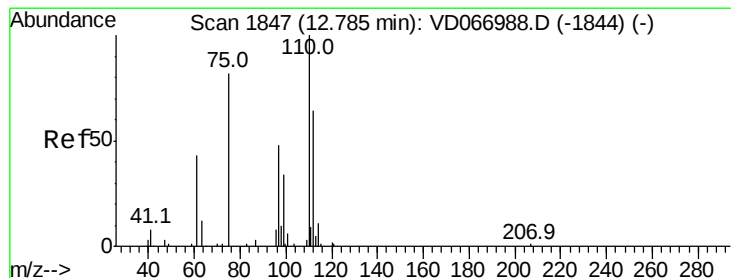
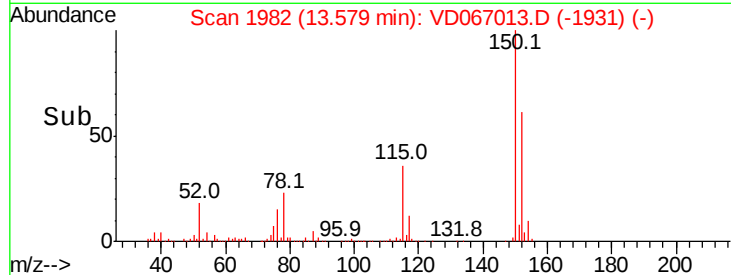
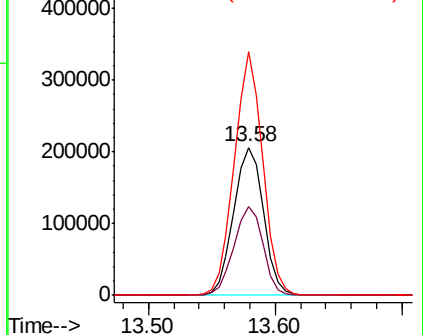
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067013.D
Acq: 02 Oct 2020 01:57

Instrument :
MSVOA_D
ClientSampled :
RO-20

Tot Ion:152 Resp: 334827
Ion Ratio Lower Upper
152 100
115 58.7 29.6 88.8
150 156.7 0.0 344.8



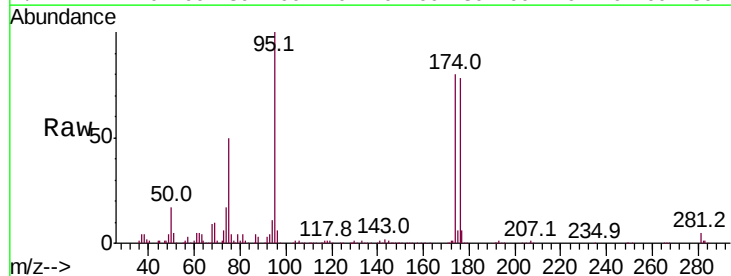
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



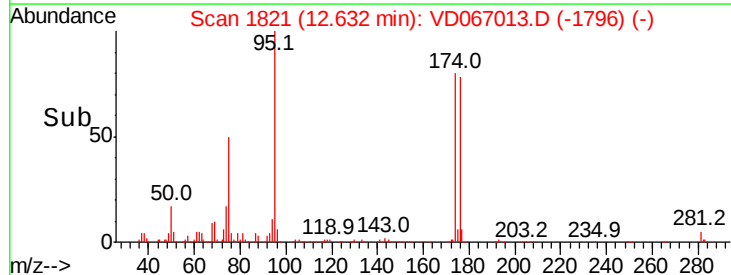
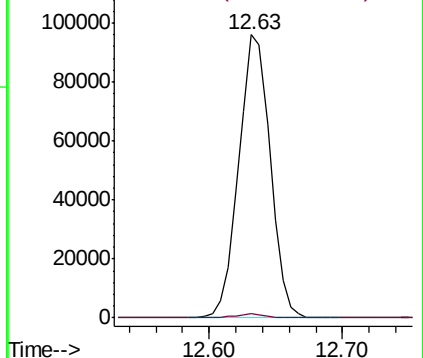
#76

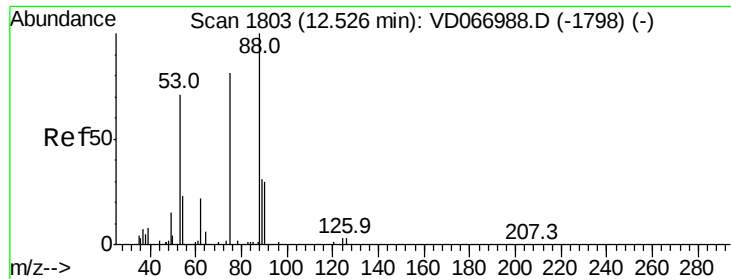
1,2,3-Trichloropropane
Concen: 53.701 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD067013.D
Acq: 02 Oct 2020 01:57

Tgt Ion: 75 Resp: 156618
Ion Ratio Lower Upper
75 100
77 1.2 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: 133.885 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067013.D

Acq: 02 Oct 2020 01:57

Instrument :

MSVOA_D

ClientSampleId :

RO-20

Tot Ion: 75 Resp: 156618

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.1 38.9 58.3#

