

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102120\
 Data File : VD067338.D
 Acq On : 21 Oct 2020 10:43
 Operator : VA/SY
 Sample : VD1021SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBL01

Quant Time: Oct 22 00:19:11 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	327016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	549112	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	531983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	255080	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	176621	53.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.82%	
35) Dibromofluoromethane	7.91	113	176815	48.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.76%	
50) Toluene-d8	10.34	98	647898	48.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.64	95	229611	49.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.86%	

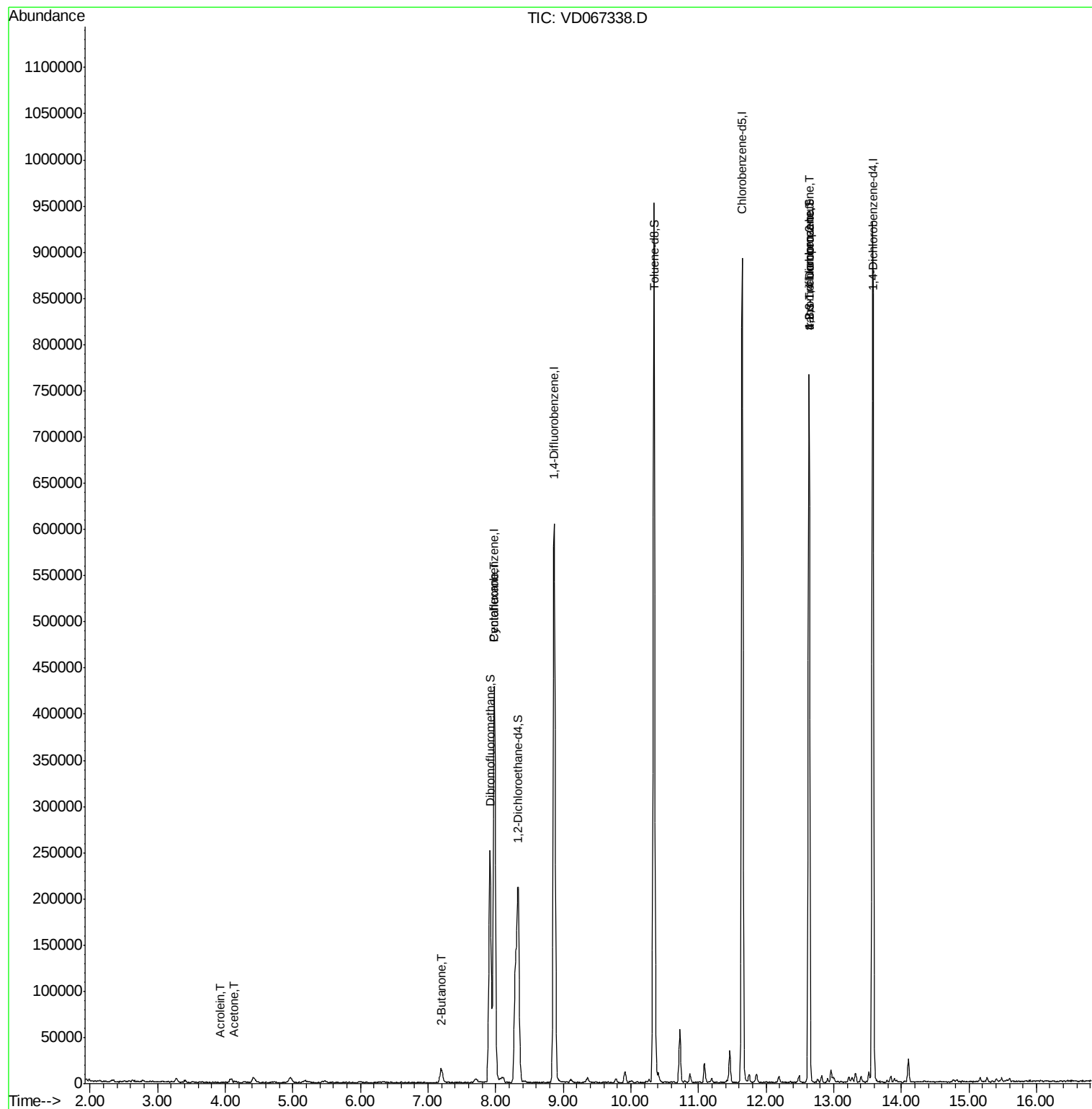
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1705	Below Cal		94
5) Bromomethane	2.79	94	1064	Below Cal	#	38
11) Tert butyl alcohol	5.19	59	2271	Below Cal	#	81
13) Acrolein	3.93	56	96	22.112	ug/l #	15
16) Acetone	4.13	43	1475	3.215	ug/l #	42
20) Methylene Chloride	4.97	84	5040	Below Cal		93
25) 2-Butanone	7.21	43	664	1.270	ug/l #	83
31) Cyclohexane	7.98	56	7865	2.084	ug/l #	24
76) 1,2,3-Trichloropropane	12.64	75	117391	66.400	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	117391	150.575	ug/l #	10

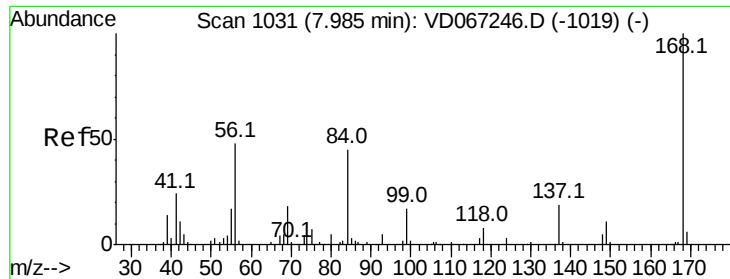
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102120\
Data File : VD067338.D
Acq On : 21 Oct 2020 10:43
Operator : VA/SY
Sample : VD1021SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBL01

Quant Time: Oct 22 00:19:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
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# 1030

Delta R.T. -0.01 min

Lab File: VD067338.D

Acq: 21 Oct 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

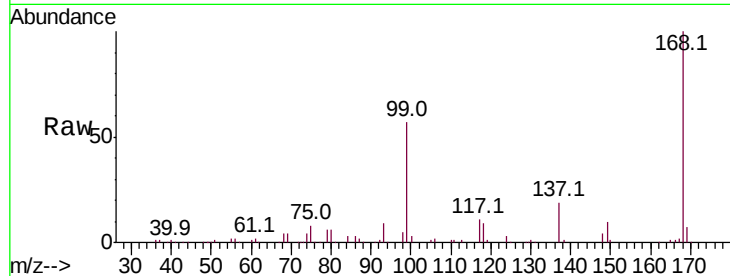
VD1021SBL01

Tot Ion:168 Resp: 327016

Ion Ratio Lower Upper

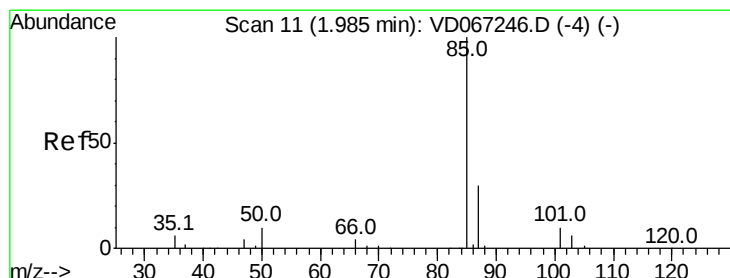
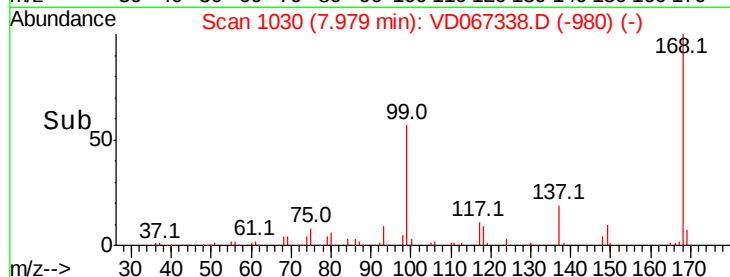
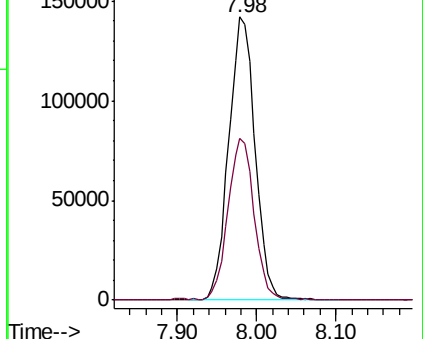
168 100

99 57.0 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067338.D

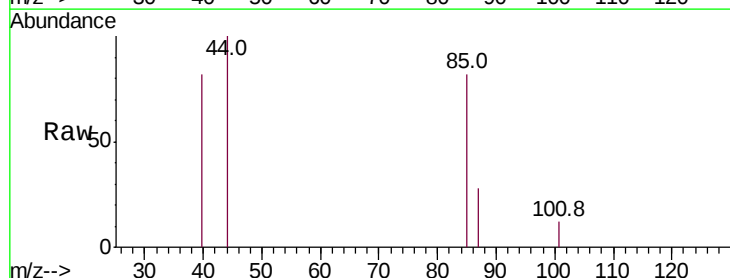
Acq: 21 Oct 2020 10:43

Tgt Ion: 85 Resp: 1705

Ion Ratio Lower Upper

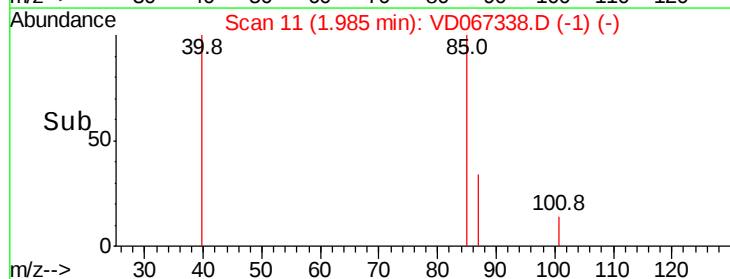
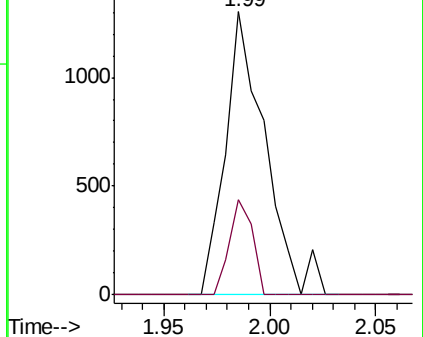
85 100

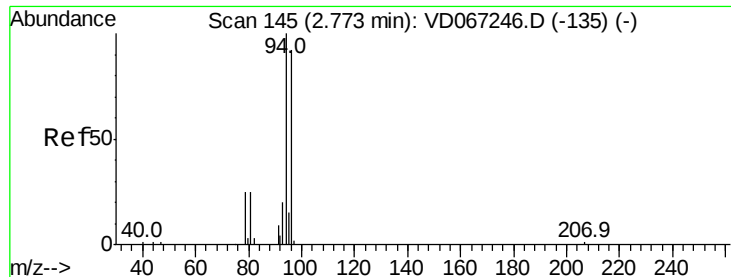
87 33.8 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD067338.D

Acq: 21 Oct 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

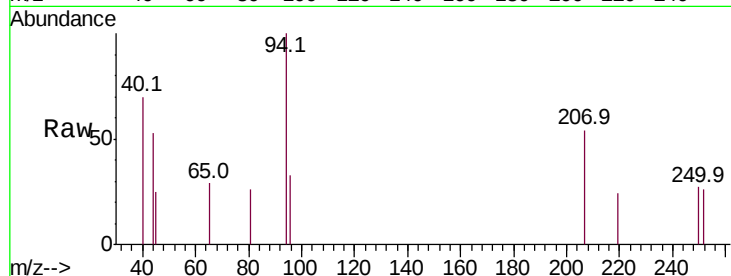
VD1021SBL01

Tot Ion: 94 Resp: 1064

Ion Ratio Lower Upper

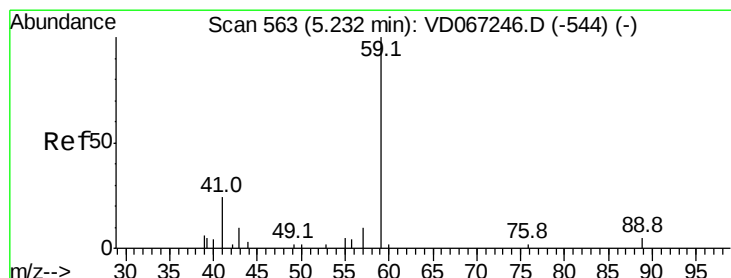
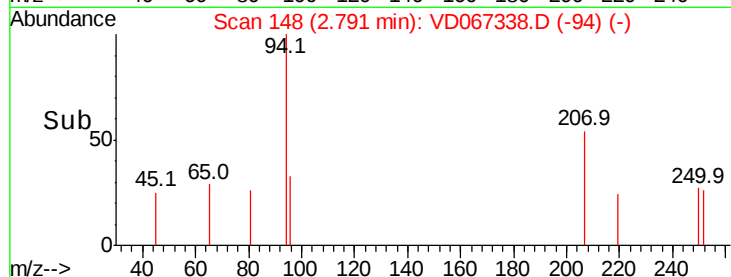
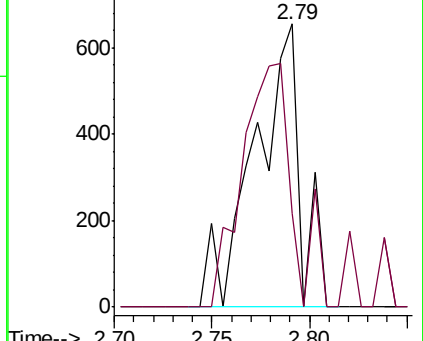
94 100

96 33.3 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 555

Delta R.T. -0.05 min

Lab File: VD067338.D

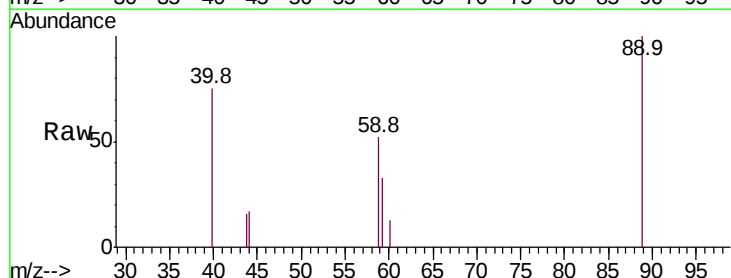
Acq: 21 Oct 2020 10:43

Tgt Ion: 59 Resp: 2271

Ion Ratio Lower Upper

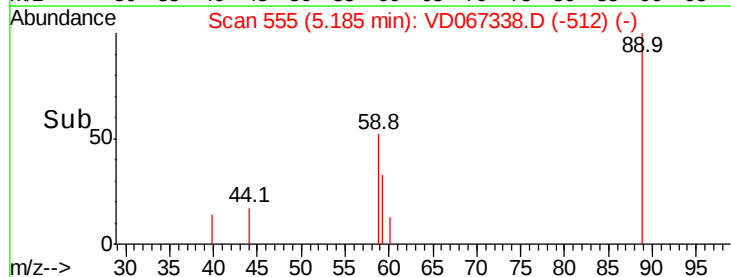
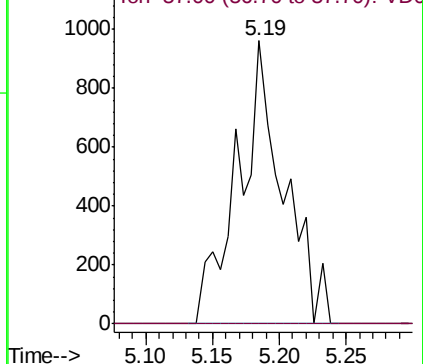
59 100

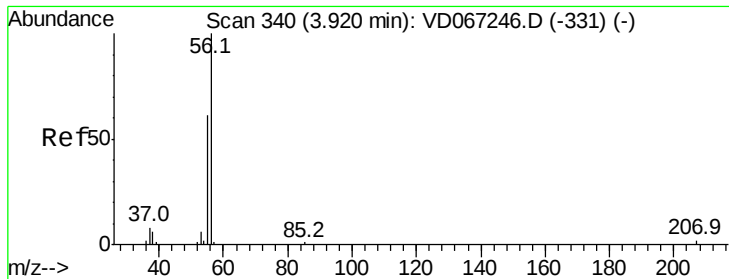
57 0.0 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#13

Acrolein

Concen: 22.112 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067338.D

Acq: 21 Oct 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

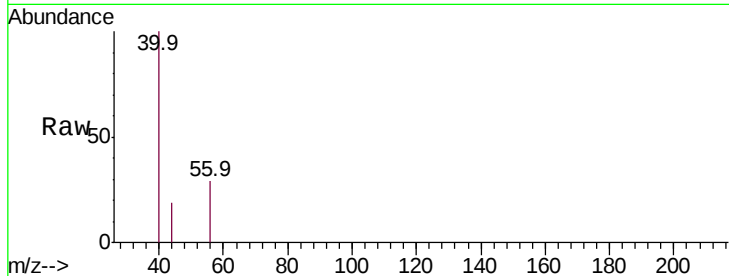
VD1021SBL01

Tot Ion: 56 Resp: 96

Ion Ratio Lower Upper

56 100

55 0.0 56.0 84.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

250

200

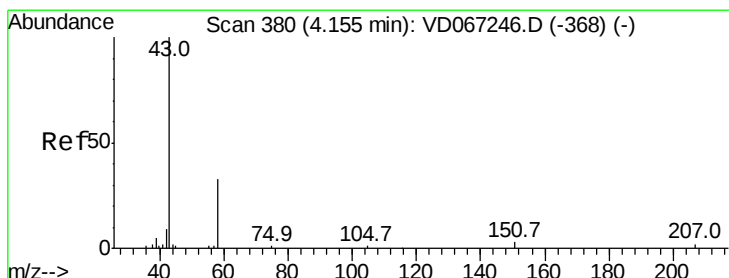
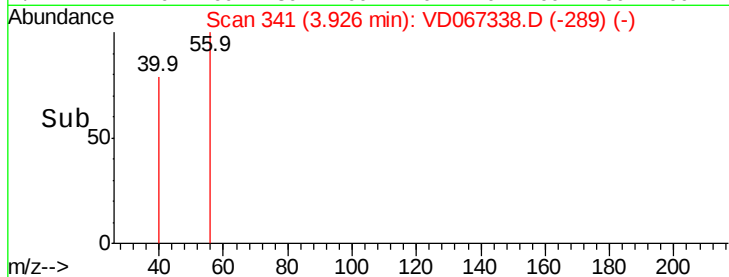
150

100

50

0

Time-->



#16

Acetone

Concen: 3.215 ug/l

RT: 4.13 min Scan# 376

Delta R.T. -0.02 min

Lab File: VD067338.D

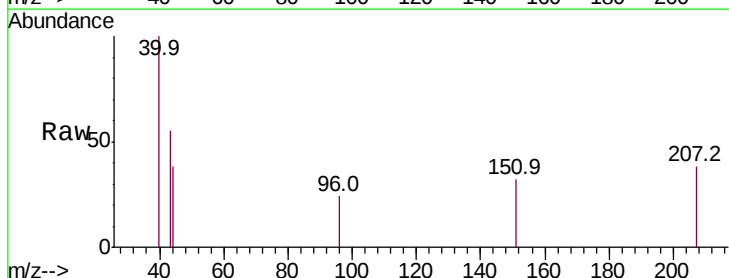
Acq: 21 Oct 2020 10:43

Tgt Ion: 43 Resp: 1475

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

4.13

500

400

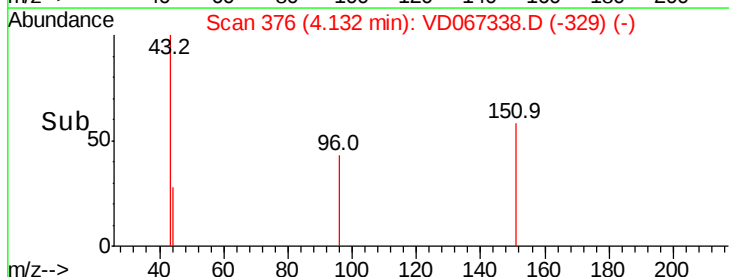
300

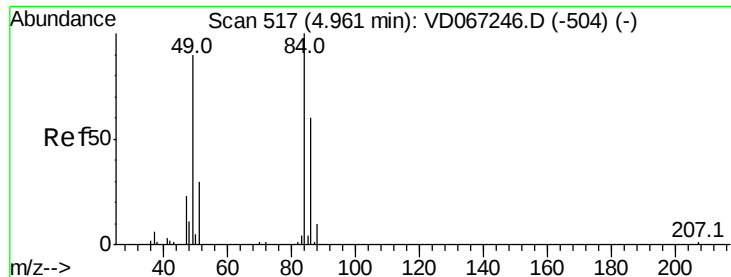
200

100

0

Time-->





#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD067338.D

Acq: 21 Oct 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBL01

Tot Ion: 84 Resp: 5040

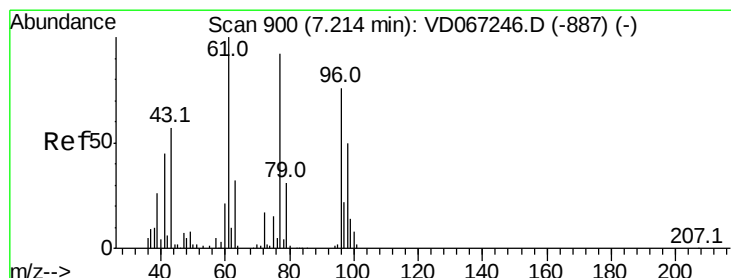
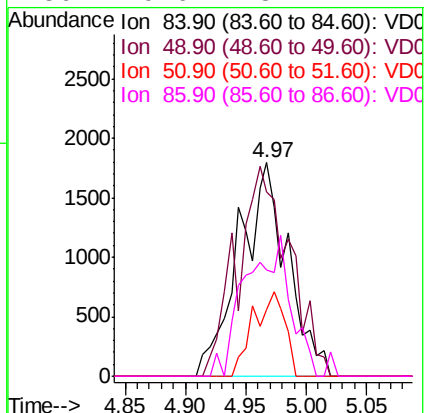
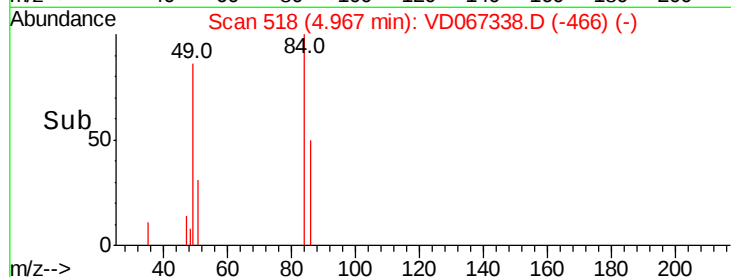
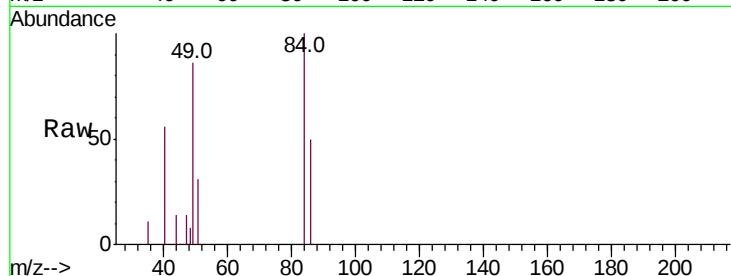
Ion Ratio Lower Upper

84 100

49 86.5 72.2 108.2

51 31.4 23.8 35.8

86 49.6 48.2 72.4



#25

2-Butanone

Concen: 1.270 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067338.D

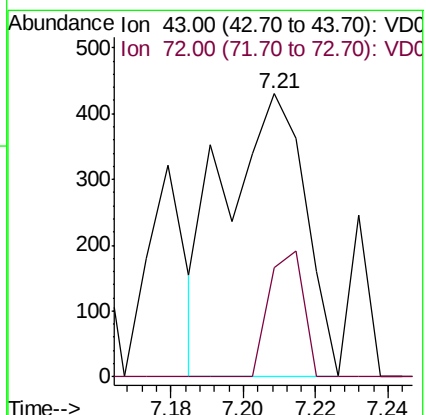
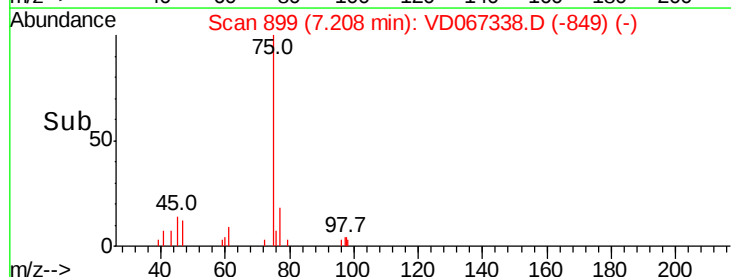
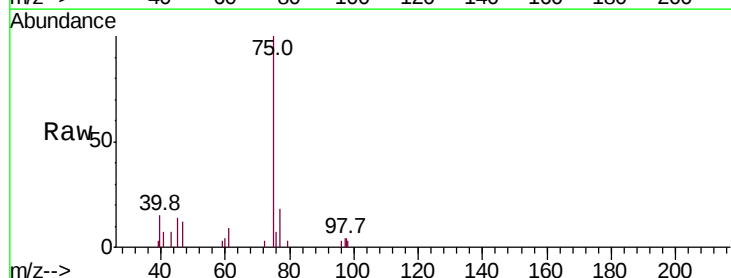
Acq: 21 Oct 2020 10:43

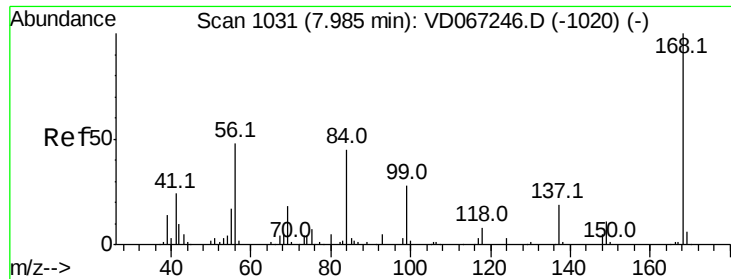
Tgt Ion: 43 Resp: 664

Ion Ratio Lower Upper

43 100

72 38.6 23.7 35.5#

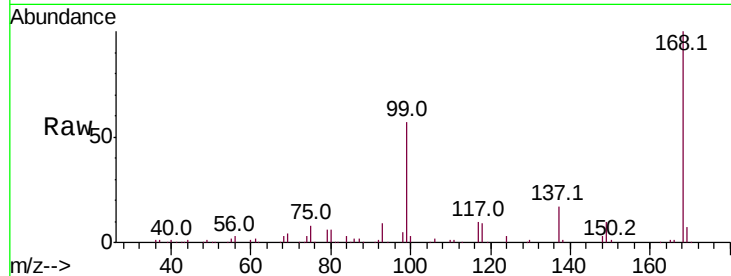




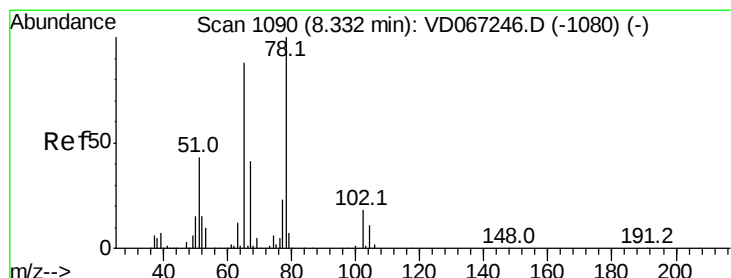
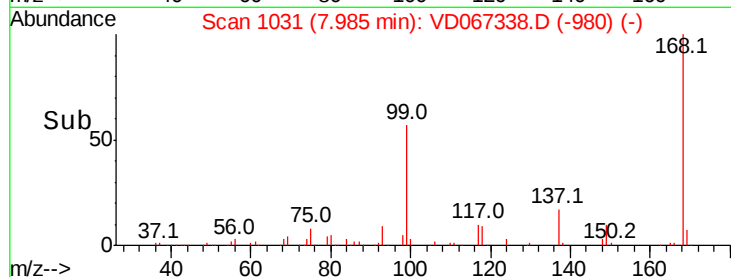
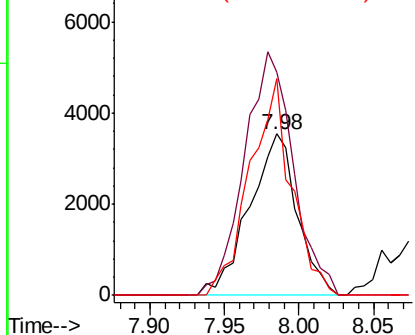
#31
Cyclohexane
Concen: 2.084 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067338.D
Acq: 21 Oct 2020 10:43

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBL01

Tot Ion: 56 Resp: 7865
Ion Ratio Lower Upper
56 100
69 138.9 29.8 44.6#
84 134.6 76.6 114.8#

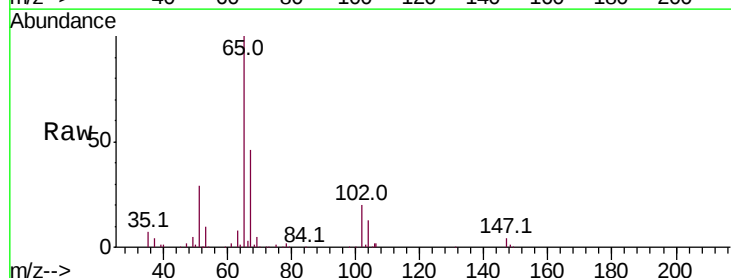


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

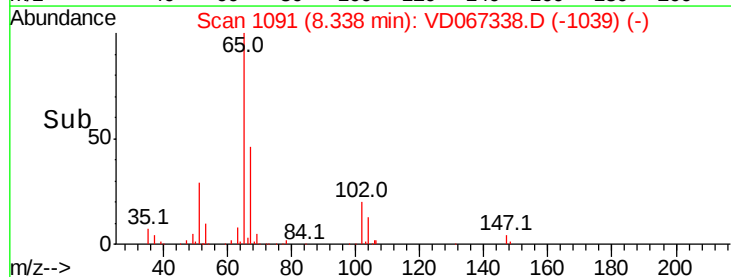
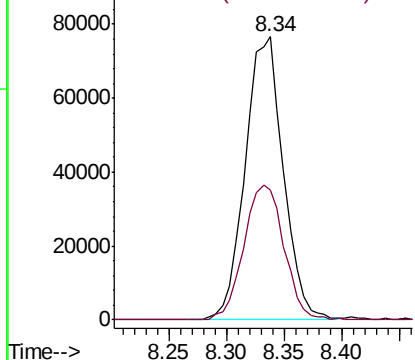


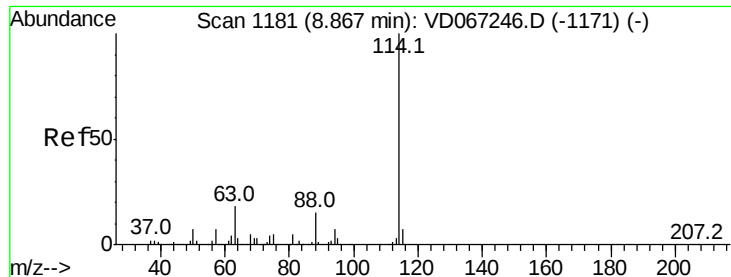
#33
1,2-Dichloroethane-d4
Concen: 53.910 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD067338.D
Acq: 21 Oct 2020 10:43

Tgt Ion: 65 Resp: 176621
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: VD067338.D

Acq: 21 Oct 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBL01

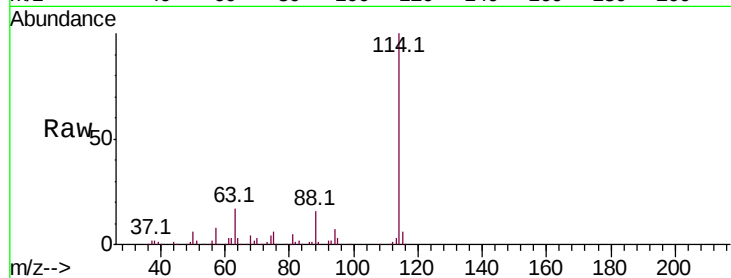
Tot Ion:114 Resp: 549112

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.0

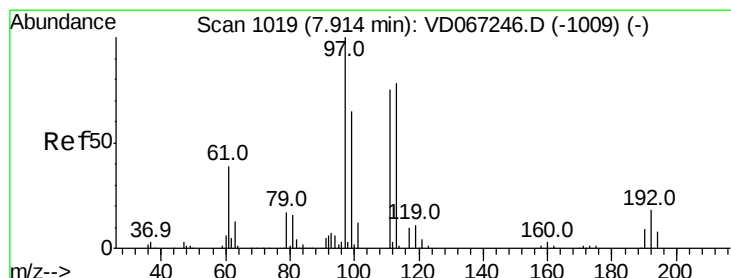
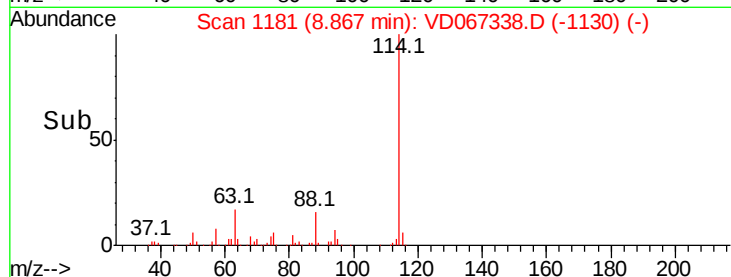
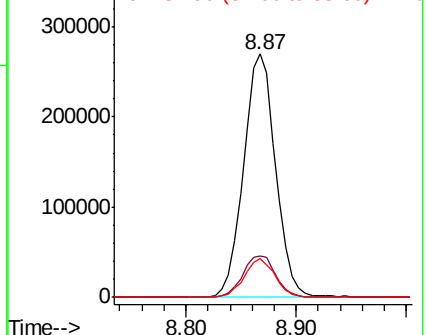
88 15.8 0.0 30.6



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: 48.385 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067338.D

Acq: 21 Oct 2020 10:43

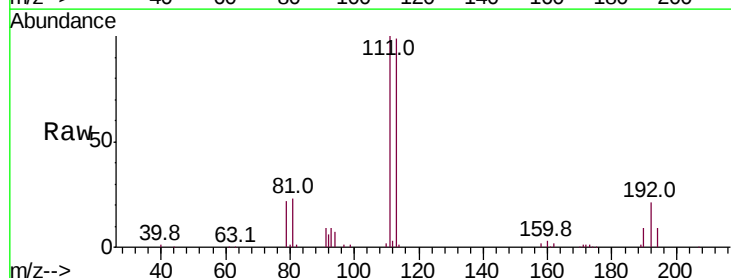
Tgt Ion:113 Resp: 176815

Ion Ratio Lower Upper

113 100

111 103.0 81.6 122.4

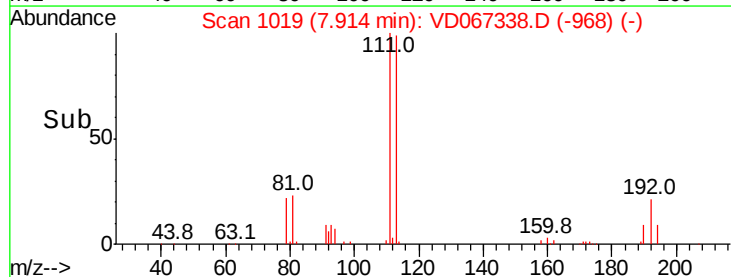
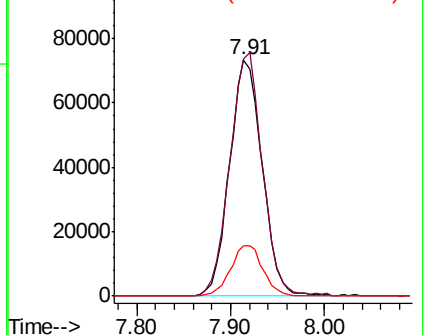
192 21.2 17.0 25.4

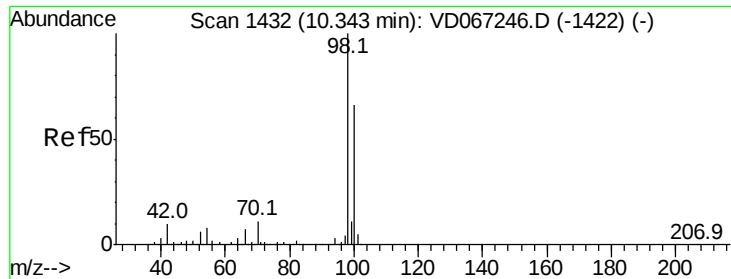


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.991 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067338.D

Acq: 21 Oct 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

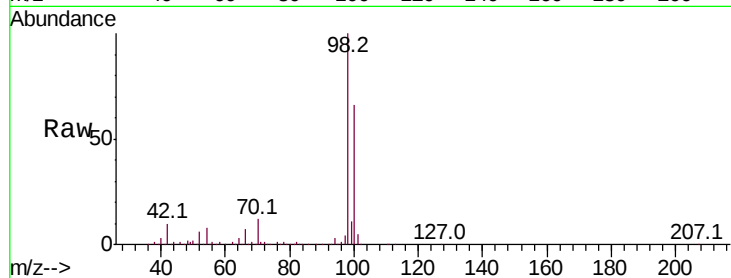
VD1021SBL01

Tot Ion: 98 Resp: 647898

Ion Ratio Lower Upper

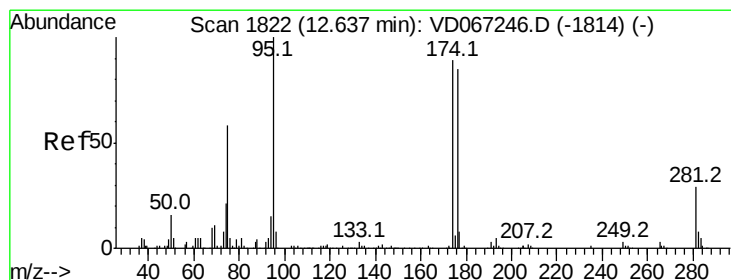
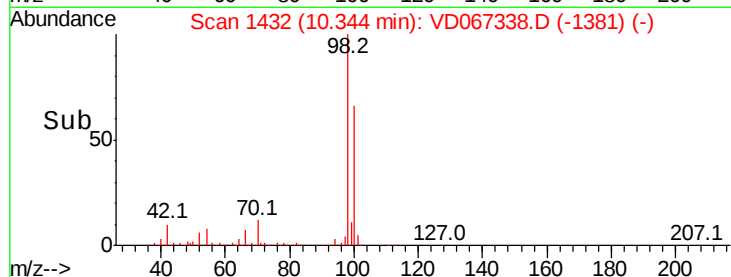
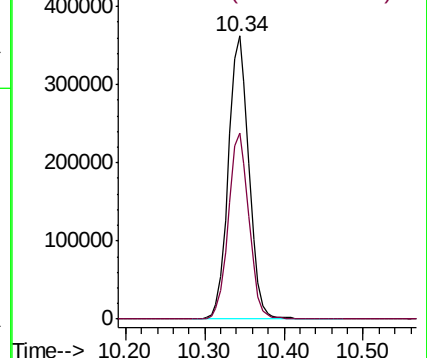
98 100

100 65.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 49.931 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067338.D

Acq: 21 Oct 2020 10:43

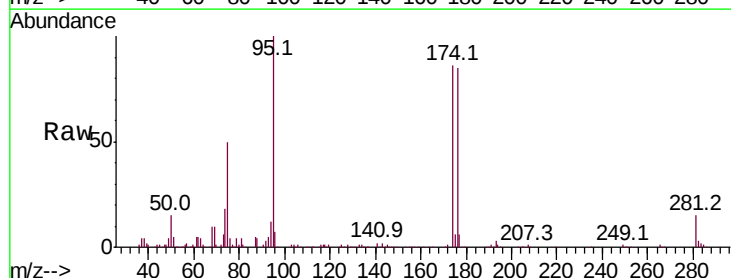
Tgt Ion: 95 Resp: 229611

Ion Ratio Lower Upper

95 100

174 87.4 0.0 175.2

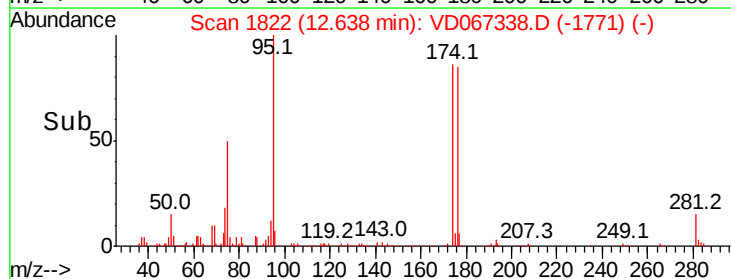
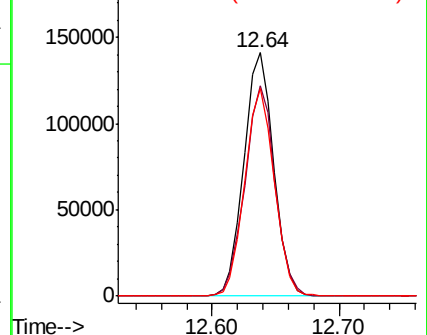
176 84.7 0.0 168.6

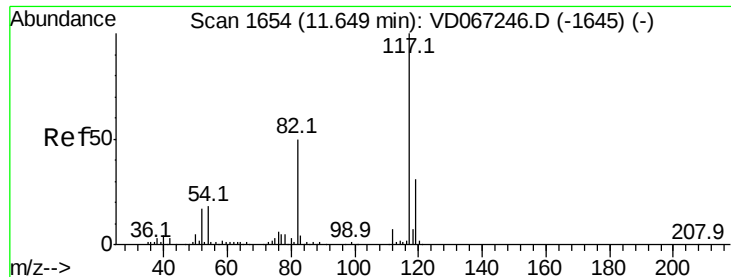


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

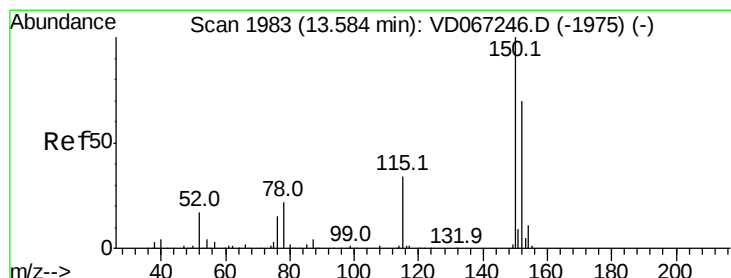
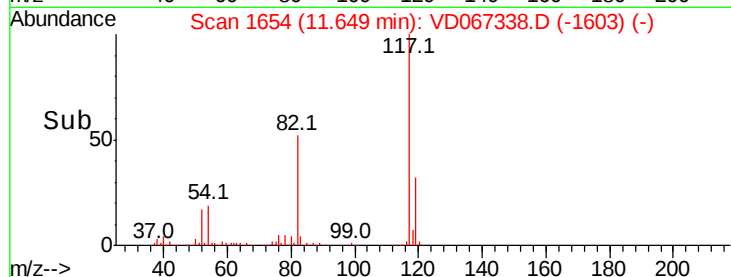
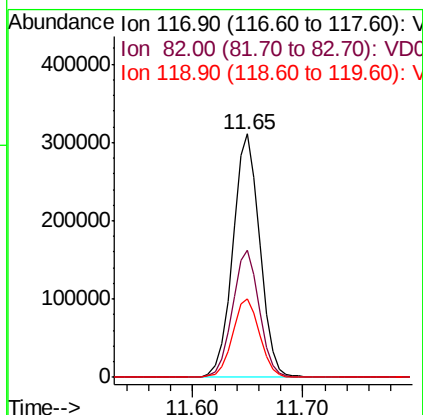
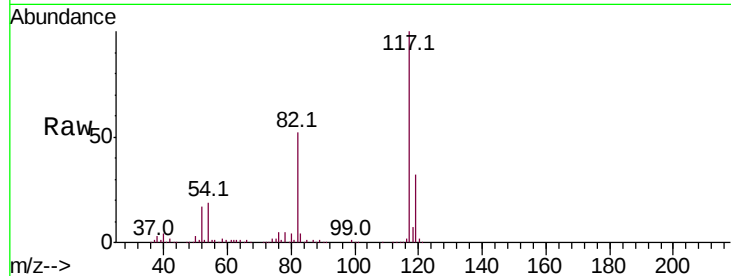




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067338.D
Acq: 21 Oct 2020 10:43

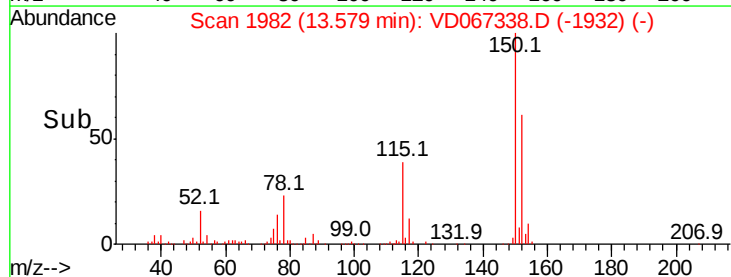
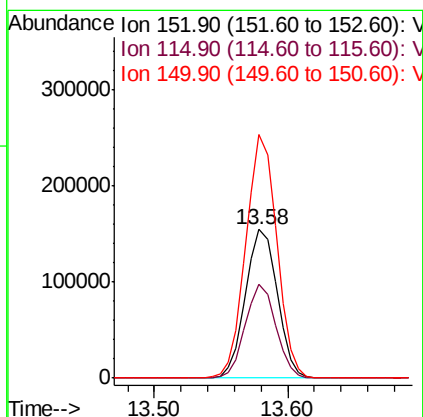
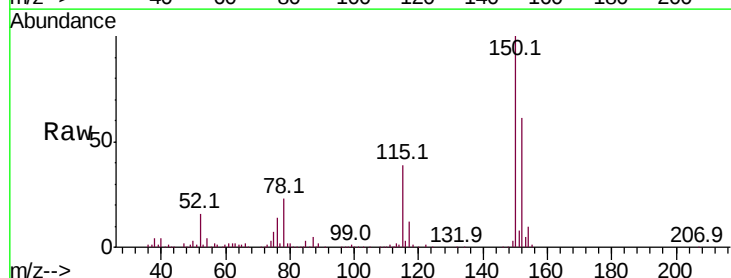
Instrument :
MSVOA_D
ClientSampleId :
VD1021SBL01

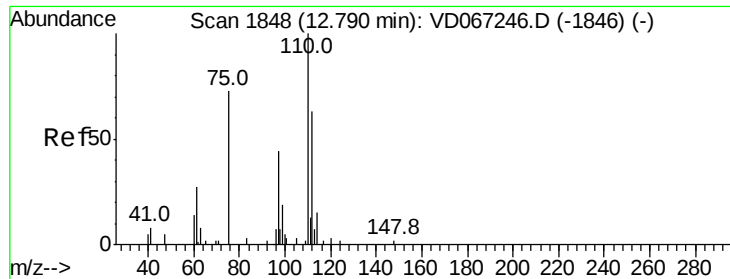
Tot Ion:117 Resp: 531983
Ion Ratio Lower Upper
117 100
82 52.4 39.9 59.9
119 32.1 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067338.D
Acq: 21 Oct 2020 10:43

Tgt Ion:152 Resp: 255080
Ion Ratio Lower Upper
152 100
115 60.6 29.3 87.9
150 159.1 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 66.400 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067338.D

Acq: 21 Oct 2020 10:43

Instrument :

MSVOA_D

ClientSampleId :

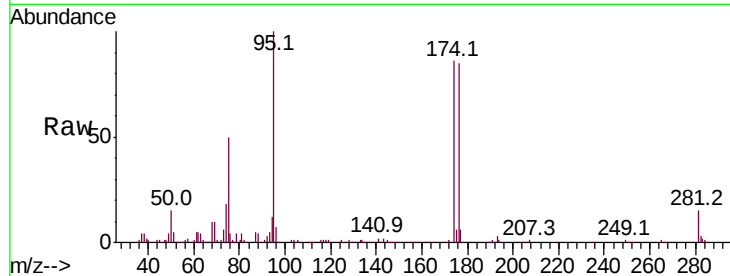
VD1021SBL01

Tot Ion: 75 Resp: 117391

Ion Ratio Lower Upper

75 100

77 1.4 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

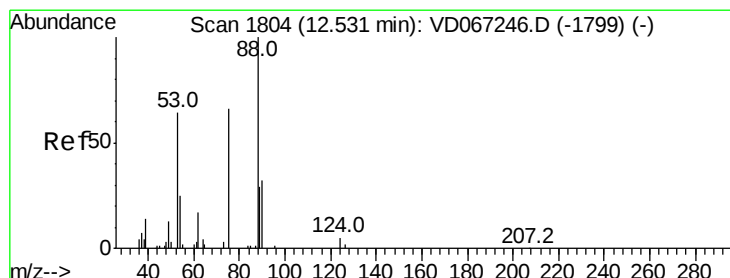
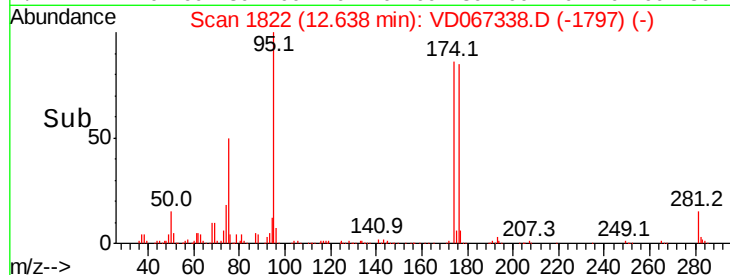
40000

20000

0

Time-->

12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 150.575 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067338.D

Acq: 21 Oct 2020 10:43

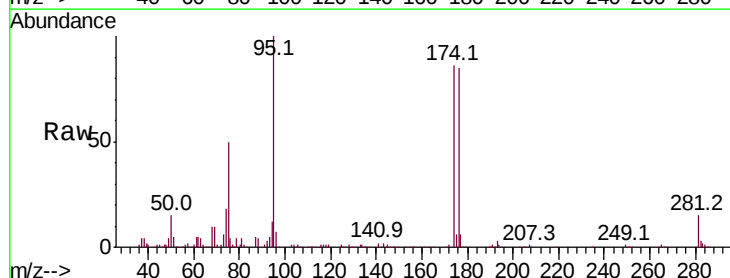
Tgt Ion: 75 Resp: 117391

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 0.1 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

12.64

80000

60000

40000

20000

0

Time-->

12.55 12.60 12.65 12.70

