

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067133.D
 Acq On : 07 Oct 2020 04:09
 Operator : VA/SY
 Sample : L4273-06
 Misc : 5.58G/5.00ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3A

Quant Time: Oct 07 05:31:20 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

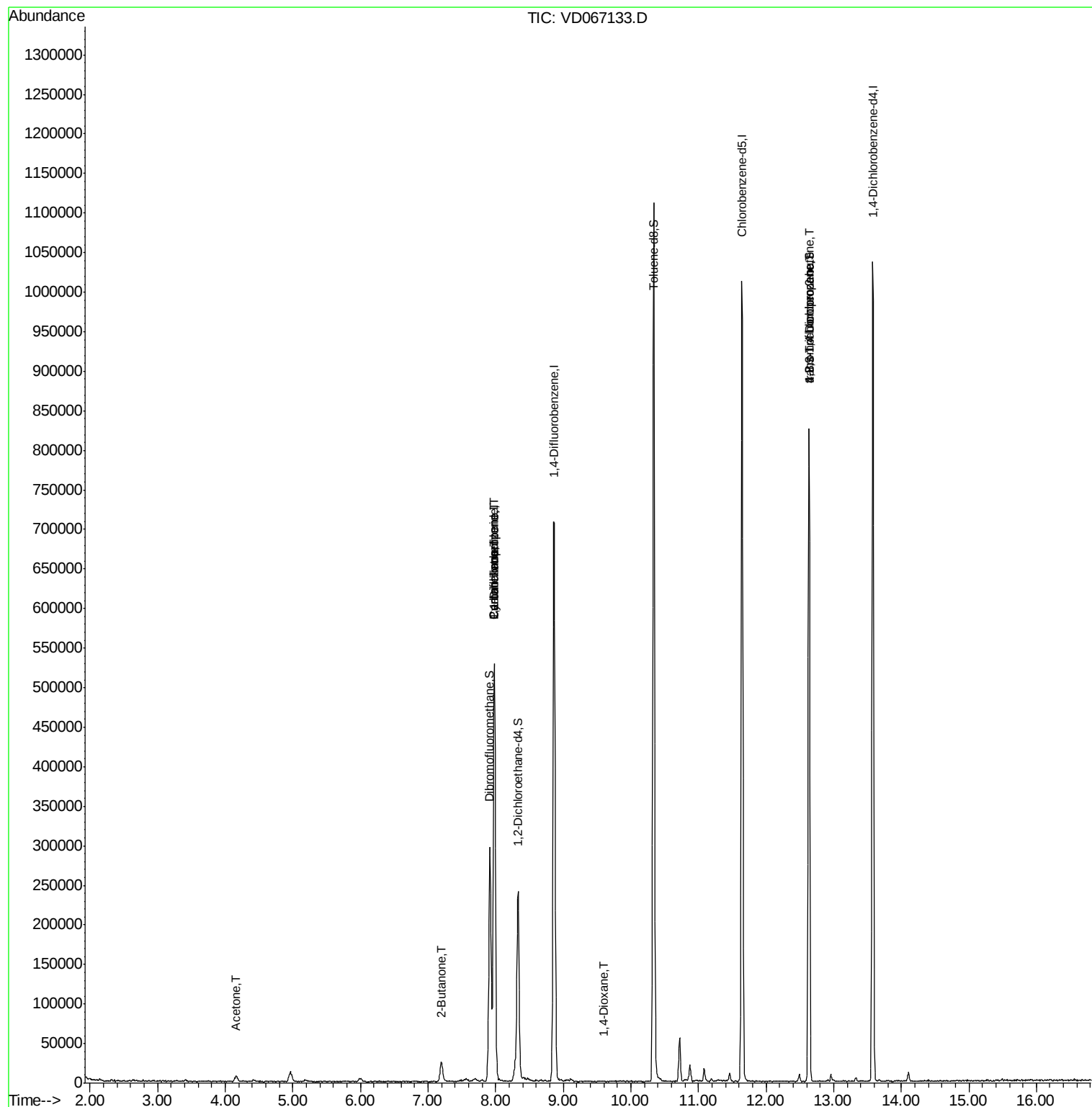
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	396815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	651556	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	615246	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	285714	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	196189	51.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.66%	
35) Dibromofluoromethane	7.91	113	209010	49.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.00%	
50) Toluene-d8	10.34	98	763718	49.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.26%	
62) 4-Bromofluorobenzene	12.64	95	263658	49.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.94%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	866	Below Cal	#	60
5) Bromomethane	2.78	94	253	Below Cal	#	3
11) Tert butyl alcohol	5.20	59	800	Below Cal	#	72
16) Acetone	4.17	43	13098	22.449	ug/l	95
20) Methylene Chloride	4.97	84	9760	Below Cal	#	76
25) 2-Butanone	7.19	43	902	1.090	ug/l #	46
26) 2,2-Dichloropropane	7.20	77	1800	Below Cal	#	53
31) Cyclohexane	7.98	56	8065	1.405	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	28638	4.715	ug/l #	50
38) Carbon Tetrachloride	7.98	117	41822	6.365	ug/l #	16
49) 1,4-Dioxane	9.60	88	83	3.491	ug/l #	25
76) 1,2,3-Trichloropropane	12.64	75	132422	53.210	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	132422	132.659	ug/l #	12

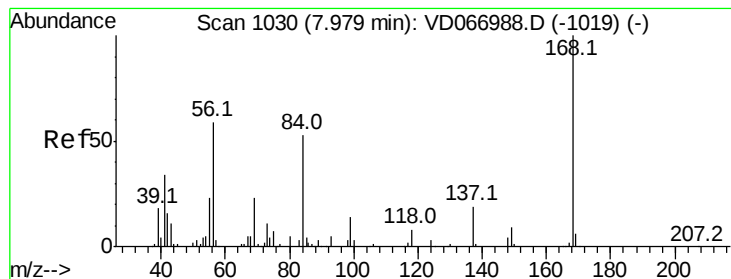
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100620\
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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: VD067133.D

Acq: 07 Oct 2020 04:09

Instrument :

MSVOA_D

ClientSampleId :

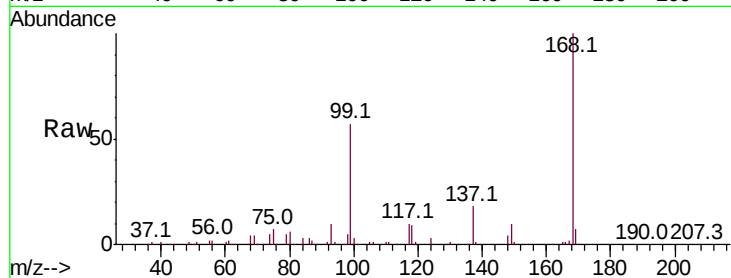
SB-3A

Tot Ion:168 Resp: 396815

Ion Ratio Lower Upper

168 100

99 57.5 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

200000

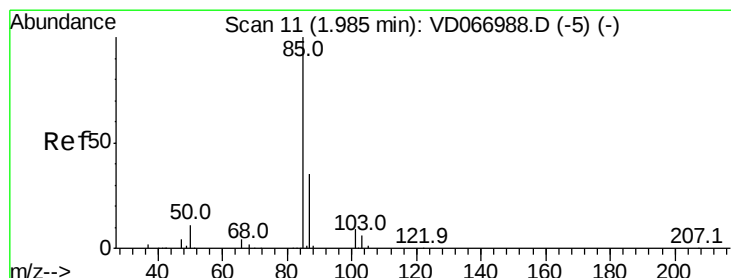
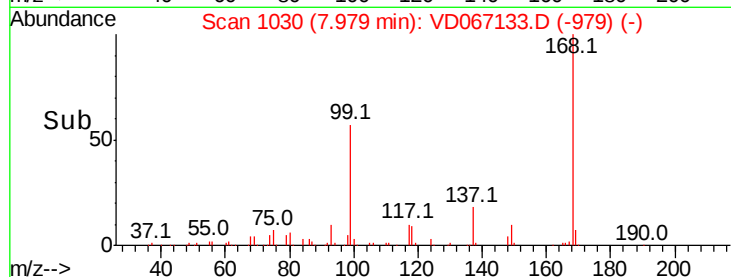
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067133.D

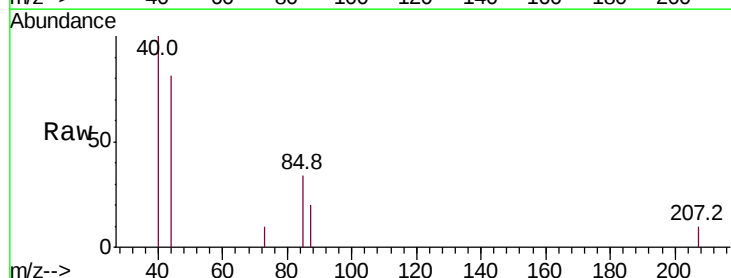
Acq: 07 Oct 2020 04:09

Tgt Ion: 85 Resp: 866

Ion Ratio Lower Upper

85 100

87 58.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

800

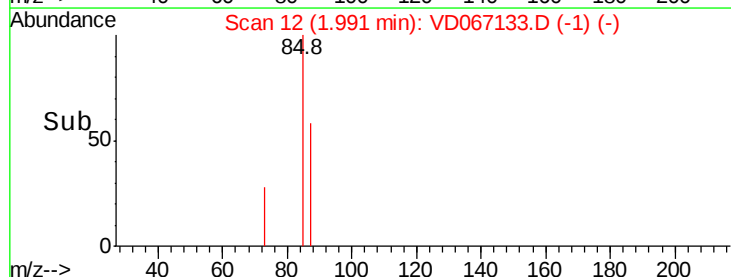
600

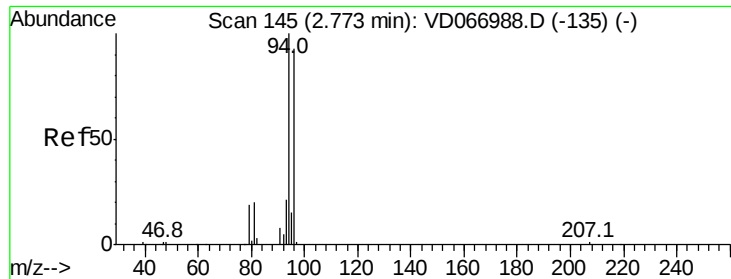
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067133.D

Acq: 07 Oct 2020 04:09

Instrument :

MSVOA_D

ClientSampleId :

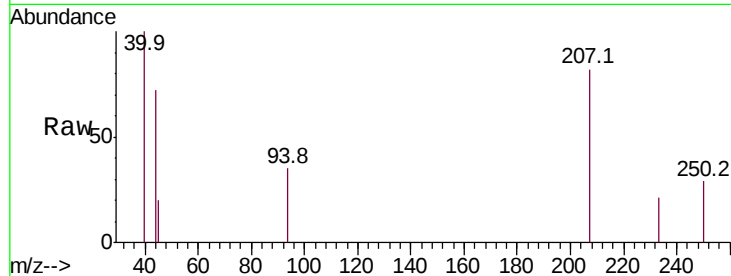
SB-3A

Tot Ion: 94 Resp: 253

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.78

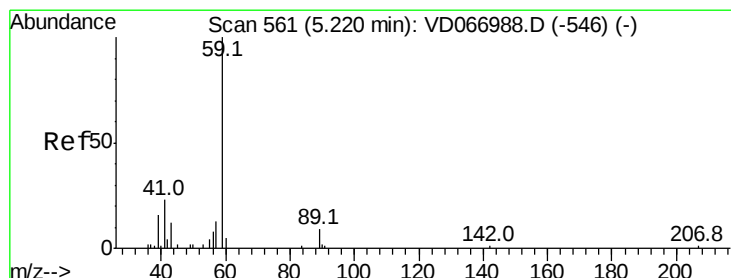
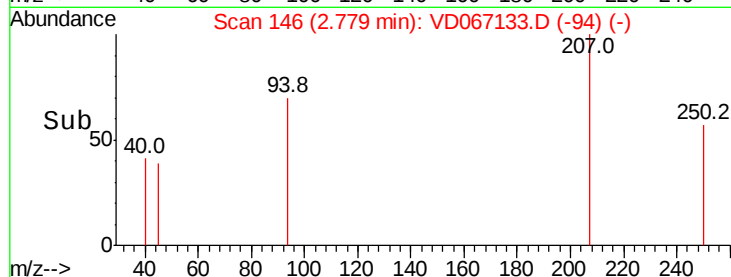
300

200

100

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD067133.D

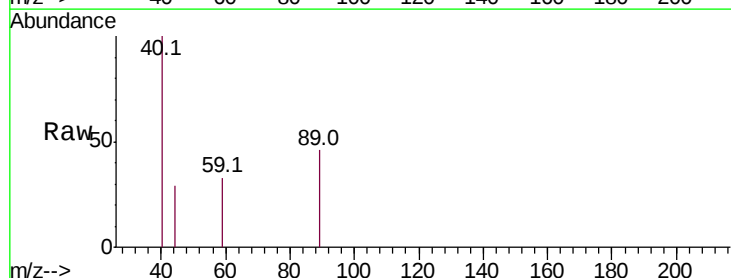
Acq: 07 Oct 2020 04:09

Tgt Ion: 59 Resp: 800

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

800

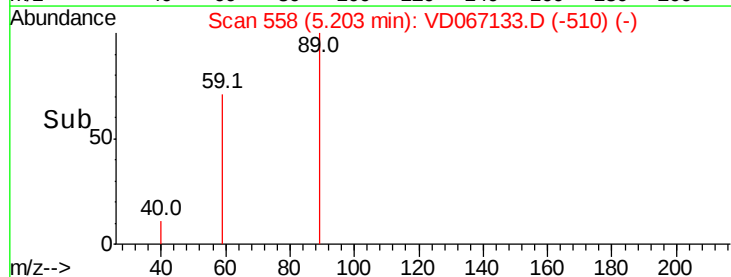
600

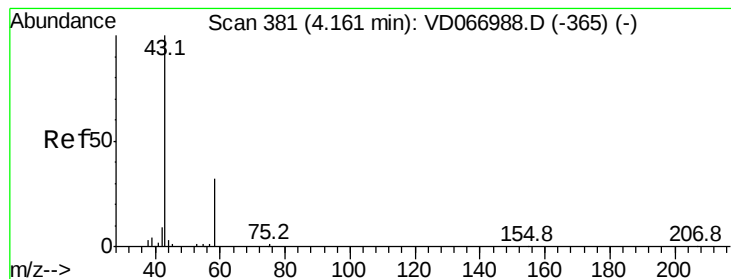
400

200

0

Time-->





#16

Acetone

Concen: 22.449 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067133.D

Acq: 07 Oct 2020 04:09

Instrument :

MSVOA_D

ClientSampleId :

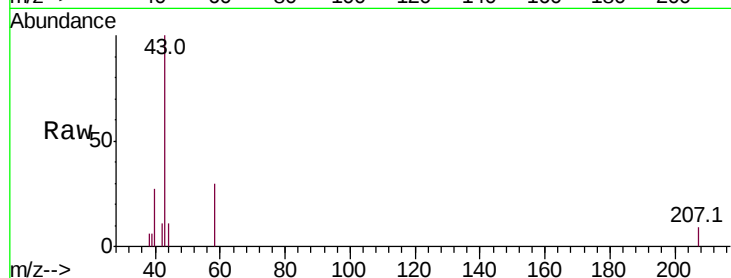
SB-3A

Tot Ion: 43 Resp: 13098

Ion Ratio Lower Upper

43 100

58 29.7 25.9 38.9



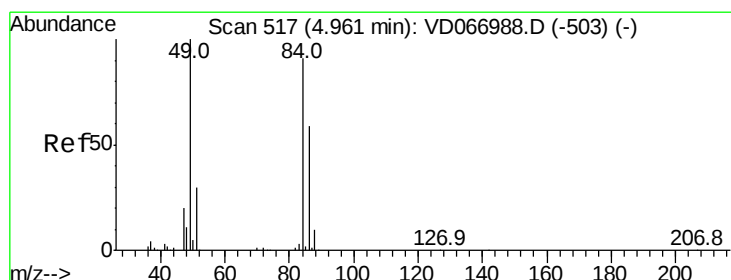
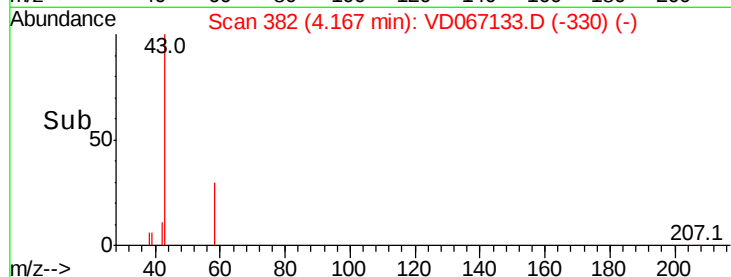
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

4.10 4.15 4.20 4.25

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067133.D

Acq: 07 Oct 2020 04:09

Tgt Ion: 84 Resp: 9760

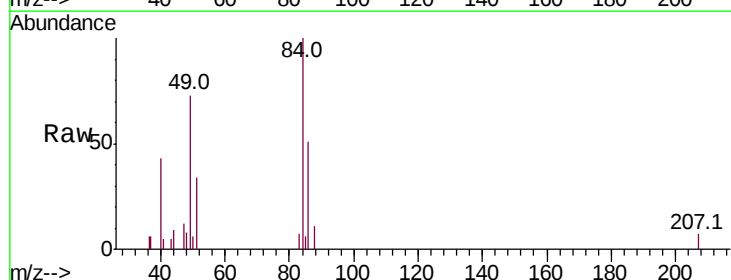
Ion Ratio Lower Upper

84 100

49 72.9 88.2 132.2#

51 33.7 26.6 39.8

86 50.8 52.1 78.1#



Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

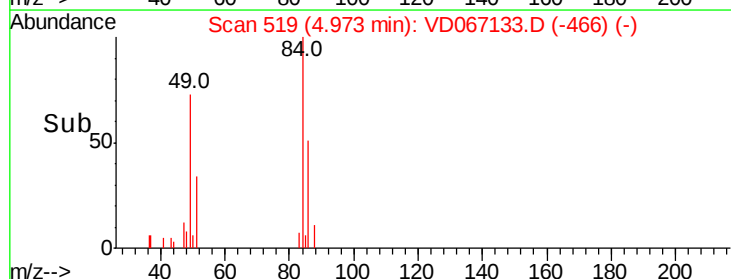
Ion 50.90 (50.60 to 51.60): VDC

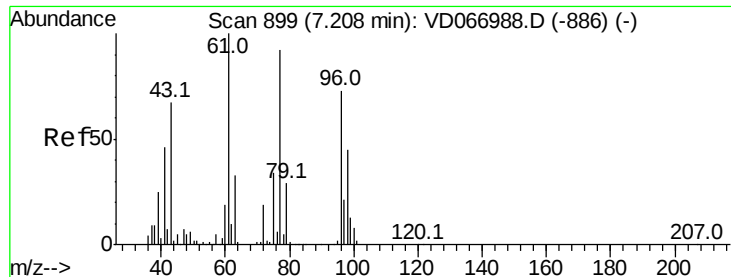
Ion 85.90 (85.60 to 86.60): VDC

4.97

4.90 5.00

Time-->





#25

2-Butanone

Concen: 1.090 ug/l

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD067133.D

Acq: 07 Oct 2020 04:09

Instrument :

MSVOA_D

ClientSampleId :

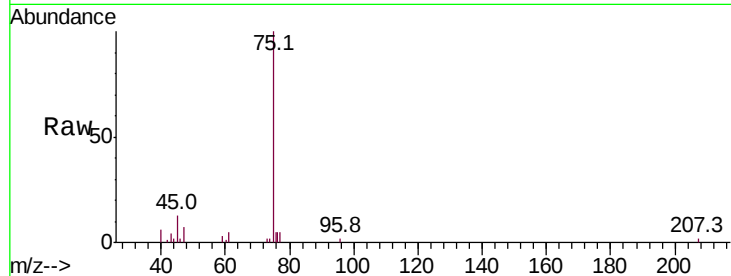
SB-3A

Tot Ion: 43 Resp: 902

Ion Ratio Lower Upper

43 100

72 0.0 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.19

600

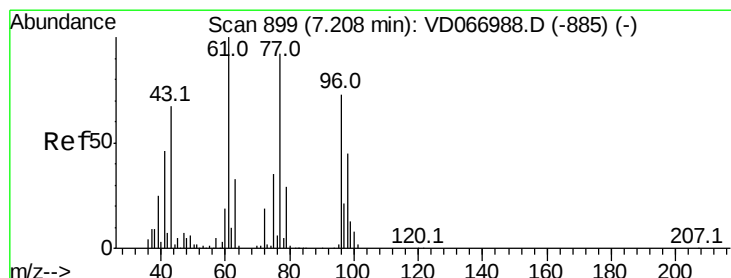
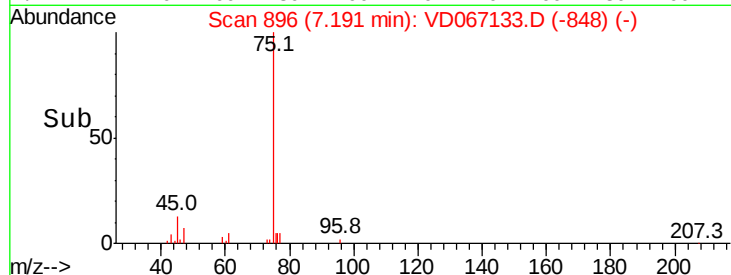
400

200

0

7.14 7.16 7.18 7.20

Time-->



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067133.D

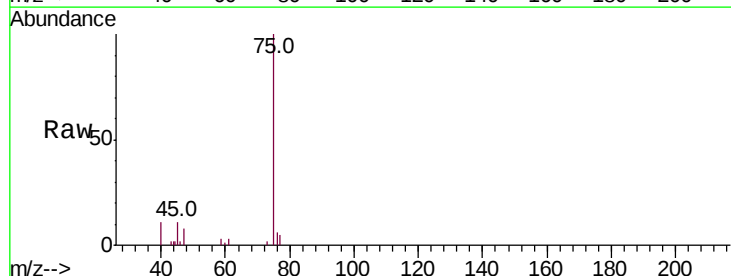
Acq: 07 Oct 2020 04:09

Tgt Ion: 77 Resp: 1800

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.20

800

600

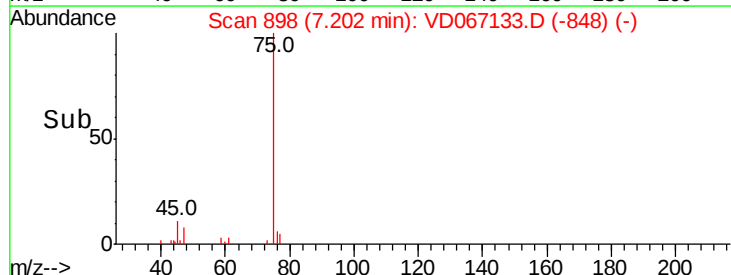
400

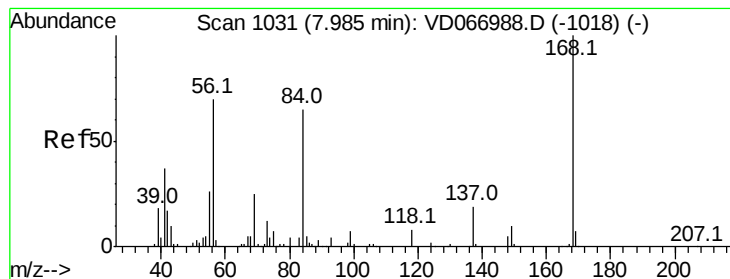
200

0

7.15 7.20 7.25

Time-->





#31

Cyclohexane

Concen: 1.405 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067133.D

Acq: 07 Oct 2020 04:09

Instrument :

MSVOA_D

ClientSampleId :

SB-3A

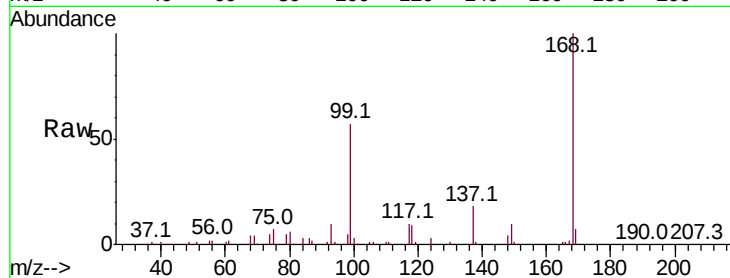
Tot Ion: 56 Resp: 8065

Ion Ratio Lower Upper

56 100

69 186.7 29.0 43.6#

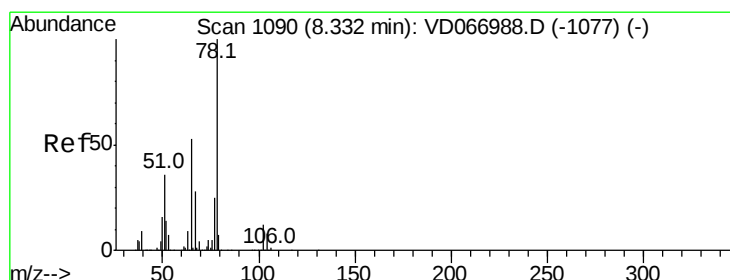
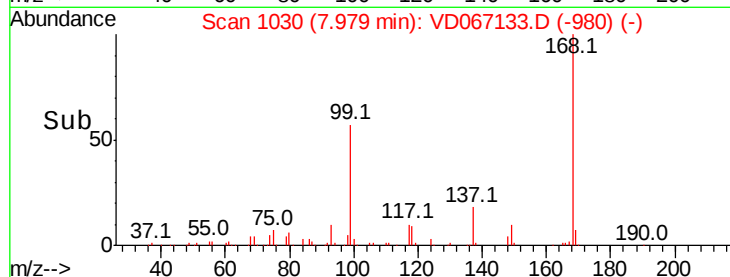
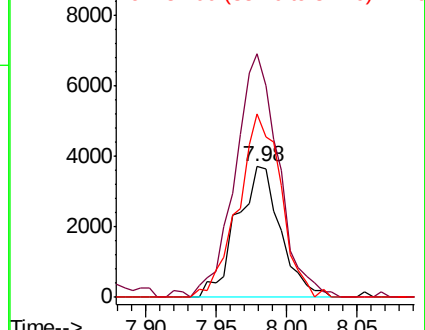
84 140.5 74.2 111.2#



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: 51.330 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD067133.D

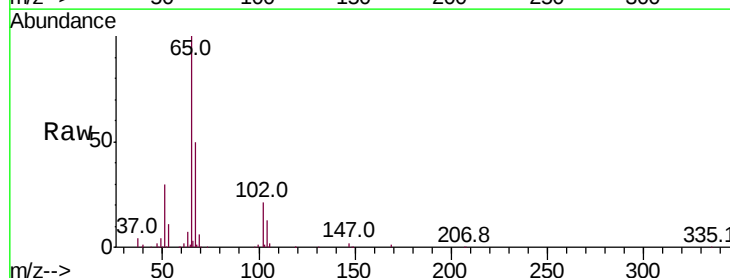
Acq: 07 Oct 2020 04:09

Tgt Ion: 65 Resp: 196189

Ion Ratio Lower Upper

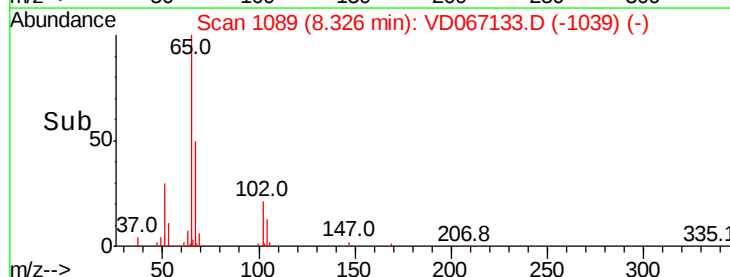
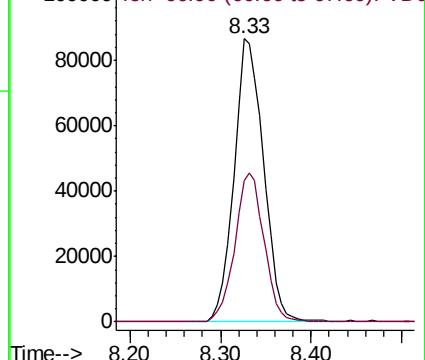
65 100

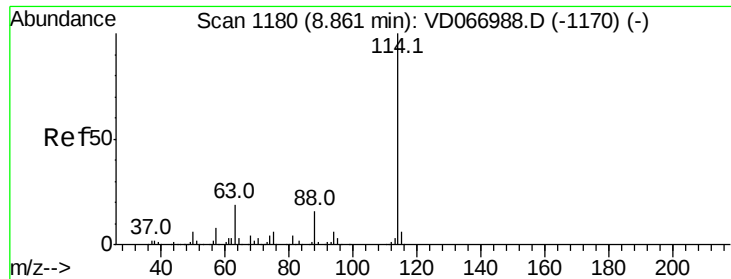
67 51.8 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

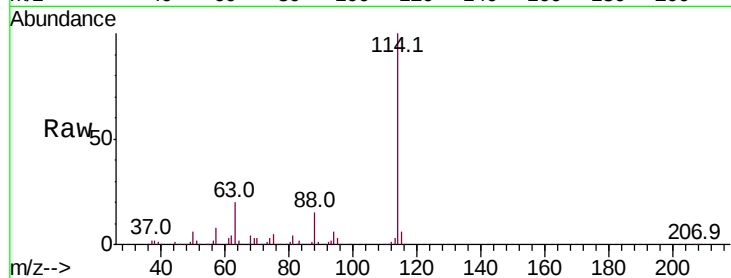




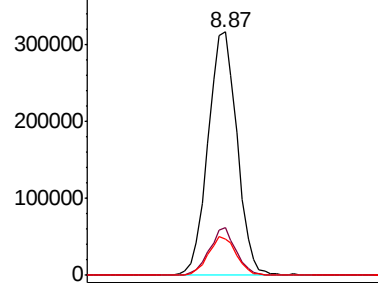
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD067133.D
Acq: 07 Oct 2020 04:09

Instrument :
MSVOA_D
ClientSampleId :
SB-3A

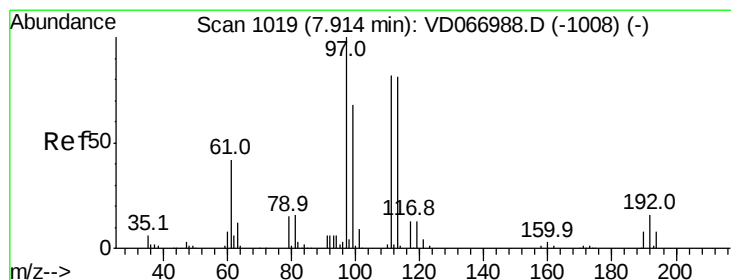
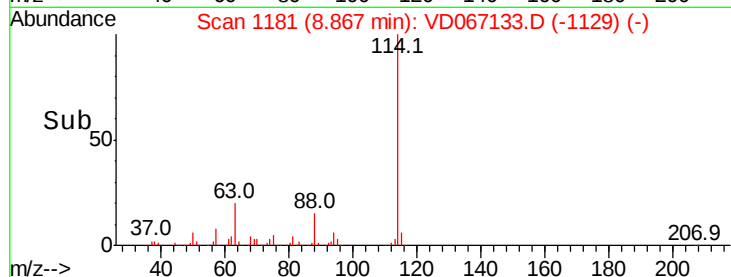
Tot Ion:114 Resp: 651556
Ion Ratio Lower Upper
114 100
63 19.5 0.0 38.4
88 14.7 0.0 31.2



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

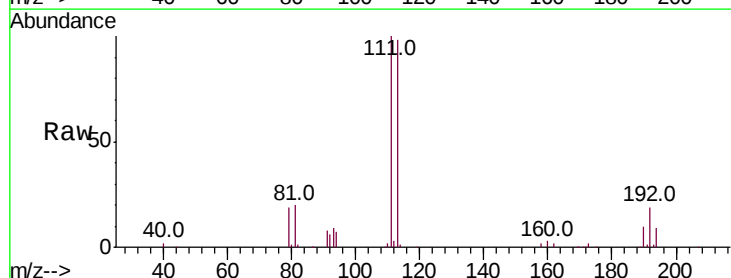


Time-->

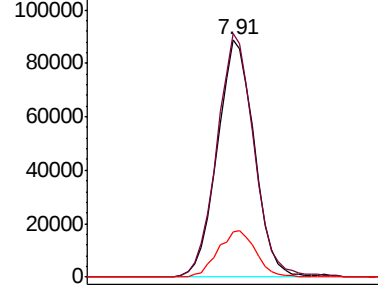


#35
Dibromofluoromethane
Concen: 48.999 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067133.D
Acq: 07 Oct 2020 04:09

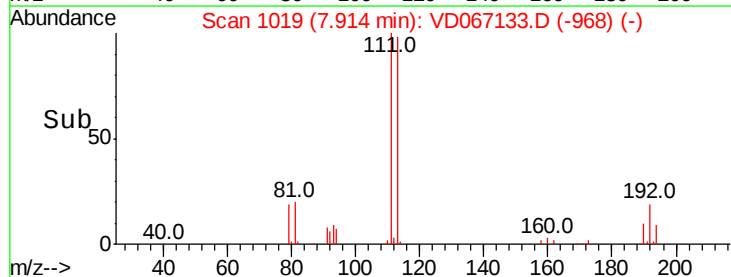
Tgt Ion:113 Resp: 209010
Ion Ratio Lower Upper
113 100
111 103.2 83.0 124.4
192 20.0 15.5 23.3

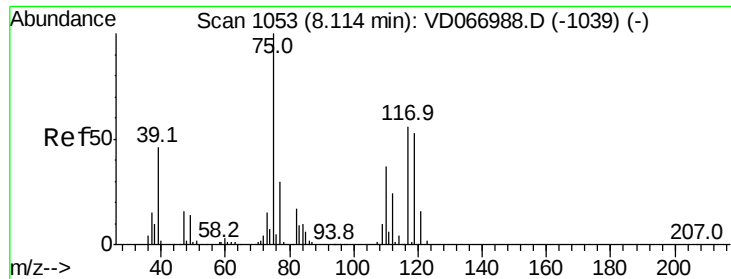


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



Time-->





#36

1,1-Dichloropropene

Concen: 4.715 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067133.D

Acq: 07 Oct 2020 04:09

Instrument :

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ClientSampleId :

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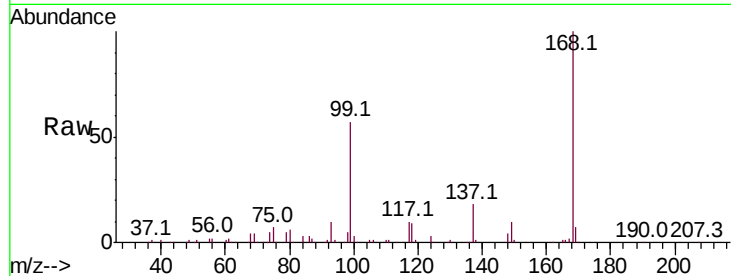
Tot Ion: 75 Resp: 28638

Ion Ratio Lower Upper

75 100

110 10.5 18.4 55.0#

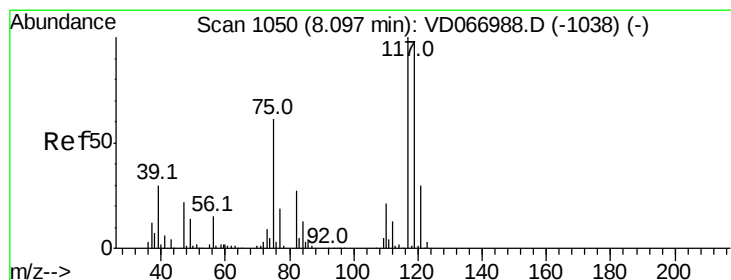
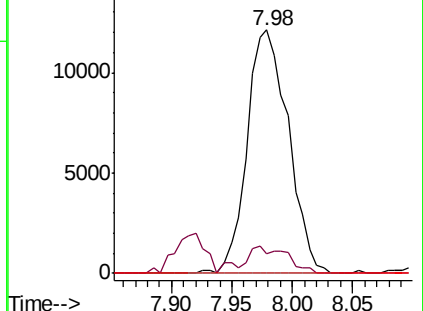
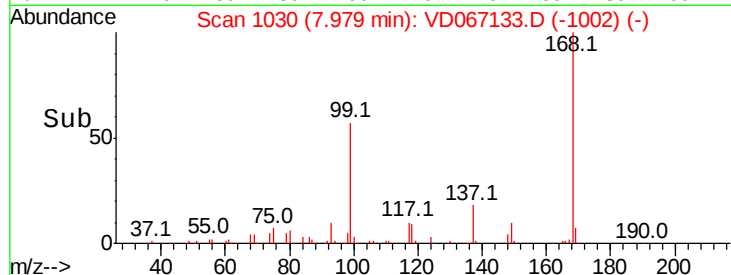
77 0.0 24.8 37.2#



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: 6.365 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067133.D

Acq: 07 Oct 2020 04:09

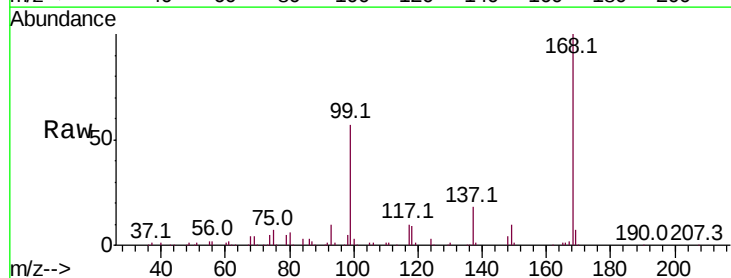
Tgt Ion: 117 Resp: 41822

Ion Ratio Lower Upper

117 100

119 6.7 78.7 118.1#

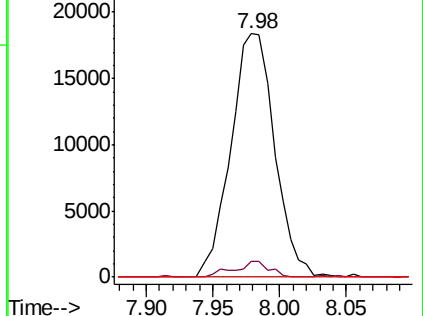
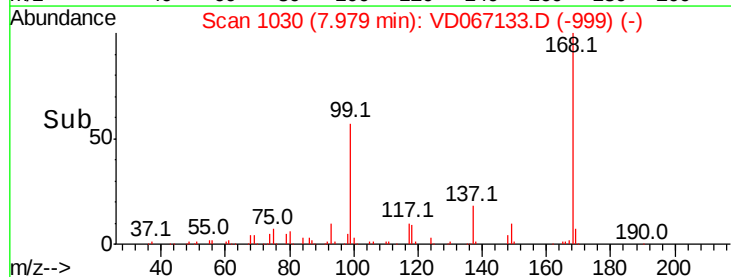
121 0.0 24.2 36.2#

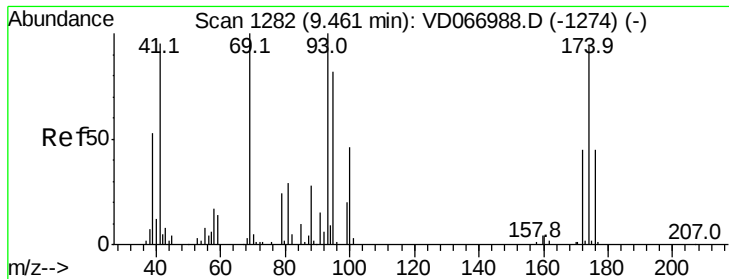


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 3.491 ug/l

RT: 9.60 min Scan# 1306

Delta R.T. 0.14 min

Lab File: VD067133.D

Acq: 07 Oct 2020 04:09

Instrument :

MSVOA_D

ClientSampleId :

SB-3A

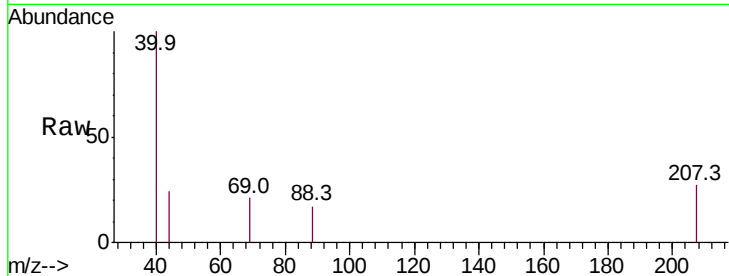
Tot Ion: 88 Resp: 83

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

58 0.0 53.5 80.3#

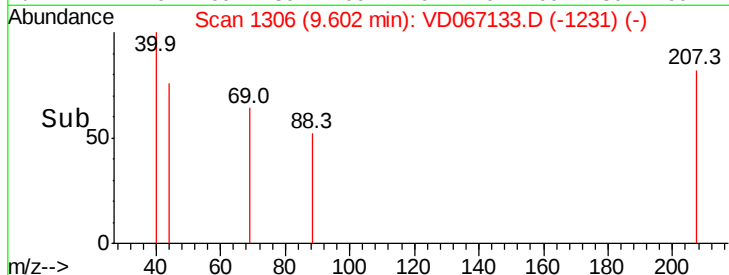


Abundance Ion 88.00 (87.70 to 88.70): VDC

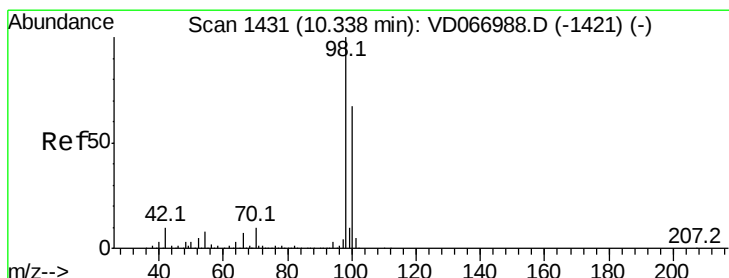
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

9.60



Time--> 9.58 9.59 9.60 9.61 9.62



#50

Toluene-d8

Concen: 49.135 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067133.D

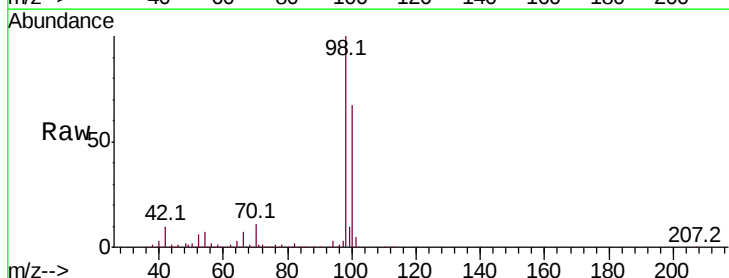
Acq: 07 Oct 2020 04:09

Tgt Ion: 98 Resp: 763718

Ion Ratio Lower Upper

98 100

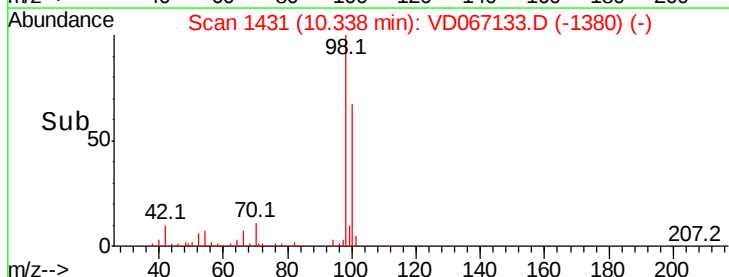
100 66.1 52.8 79.2



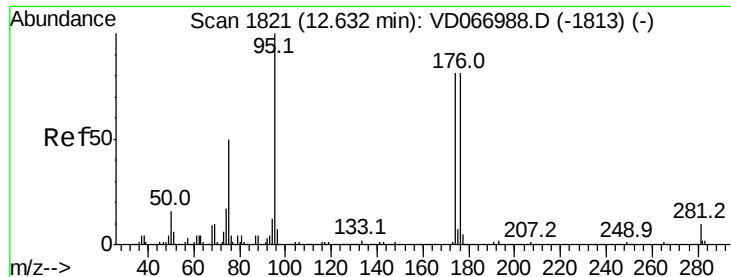
Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34



Time--> 10.30 10.40



#62

4-Bromofluorobenzene

Concen: 49.967 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067133.D

Acq: 07 Oct 2020 04:09

Instrument :

MSVOA_D

ClientSampleId :

SB-3A

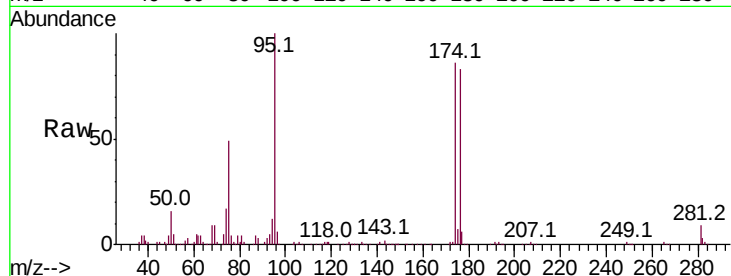
Tot Ion: 95 Resp: 263658

Ion Ratio Lower Upper

95 100

174 83.6 0.0 167.6

176 81.3 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

200000

150000

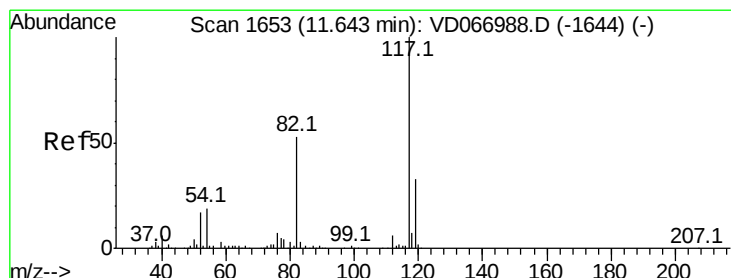
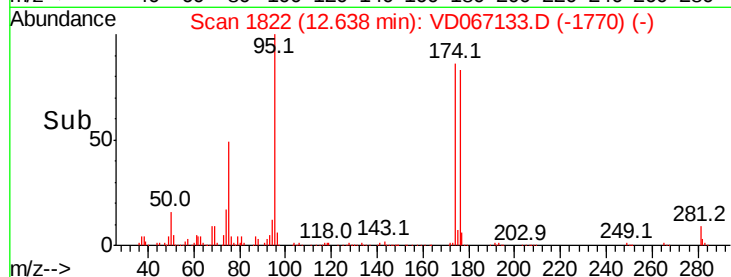
100000

50000

0

12.60 12.64 12.70

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD067133.D

Acq: 07 Oct 2020 04:09

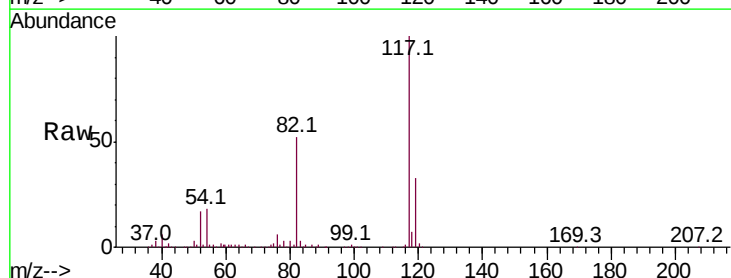
Tgt Ion: 117 Resp: 615246

Ion Ratio Lower Upper

117 100

82 52.0 42.6 63.8

119 33.1 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

400000

300000

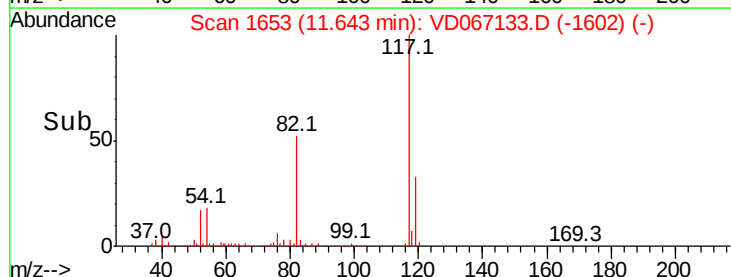
200000

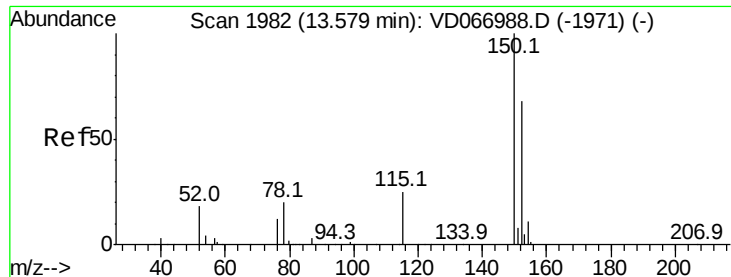
100000

0

11.60 11.64 11.70

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067133.D

Acq: 07 Oct 2020 04:09

Instrument :

MSVOA_D

ClientSampleId :

SB-3A

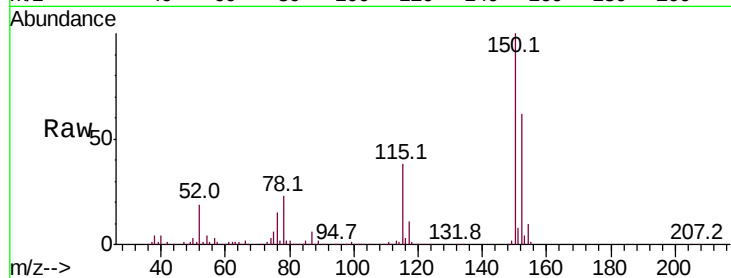
Tot Ion:152 Resp: 285714

Ion Ratio Lower Upper

152 100

115 58.6 29.6 88.8

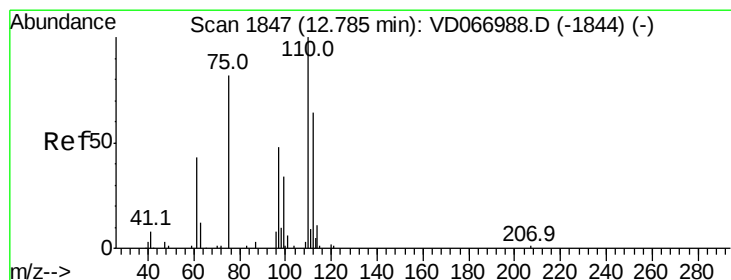
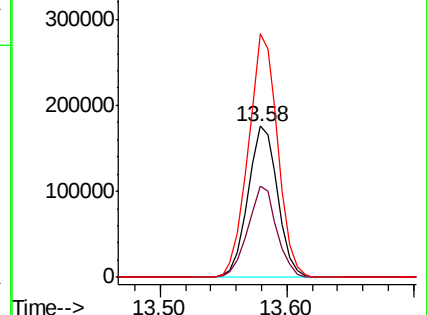
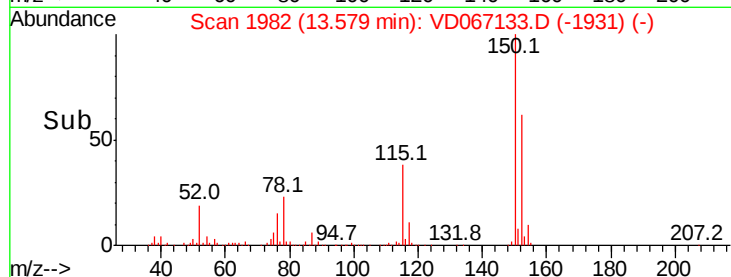
150 159.1 0.0 344.8



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: 53.210 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067133.D

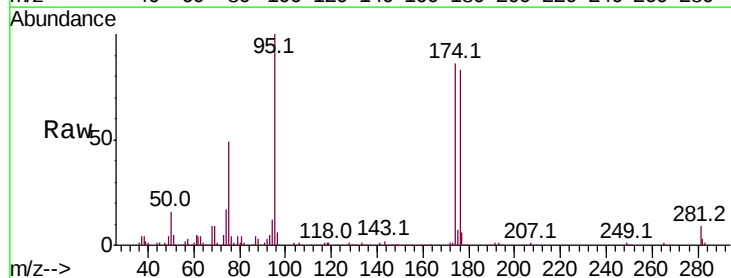
Acq: 07 Oct 2020 04:09

Tgt Ion: 75 Resp: 132422

Ion Ratio Lower Upper

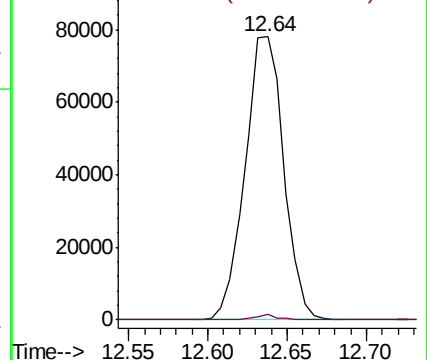
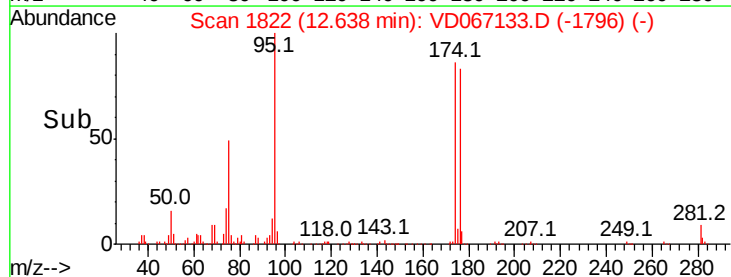
75 100

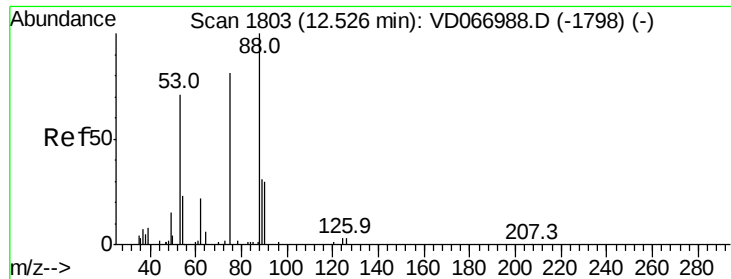
77 1.1 0.0 0.0#



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: 132.659 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067133.D

Acq: 07 Oct 2020 04:09

Instrument :

MSVOA_D

ClientSampleId :

SB-3A

Tot Ion: 75 Resp: 132422

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 38.9 58.3#

