

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067134.D
 Acq On : 07 Oct 2020 04:36
 Operator : VA/SY
 Sample : L4273-07
 Misc : 4.67G/5.00ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-4

Quant Time: Oct 07 05:31:27 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	403009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	642914	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	607058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	282620	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	193123	49.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.50%	
35) Dibromofluoromethane	7.92	113	210818	50.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.18%	
50) Toluene-d8	10.34	98	756779	49.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	12.64	95	254032	48.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.58%	

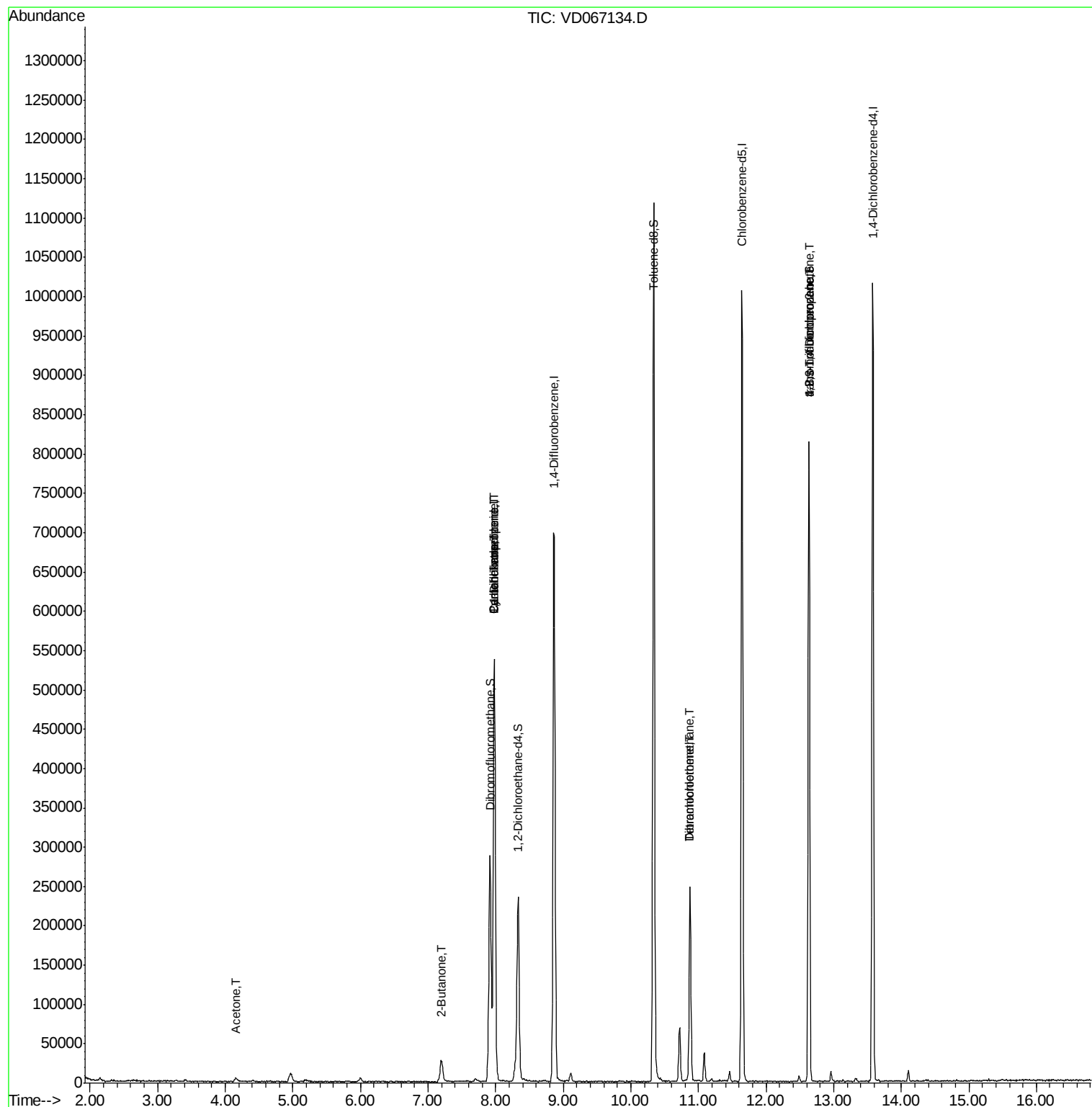
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	275	Below Cal	#	40
5) Bromomethane	2.77	94	125	Below Cal		91
11) Tert butyl alcohol	5.24	59	70	Below Cal	#	72
16) Acetone	4.16	43	9698	16.366	ug/l	94
20) Methylene Chloride	4.96	84	8953	Below Cal	#	92
25) 2-Butanone	7.21	43	936	1.114	ug/l #	46
26) 2,2-Dichloropropane	7.20	77	652	Below Cal	#	53
31) Cyclohexane	7.98	56	8033	1.378	ug/l #	12
36) 1,1-Dichloropropene	7.97	75	28493	4.755	ug/l #	51
38) Carbon Tetrachloride	7.98	117	40122	6.188	ug/l #	16
60) Dibromochloromethane	10.87	129	52348	12.568	ug/l #	12
64) Tetrachloroethene	10.88	164	60797	13.776	ug/l #	86
76) 1,2,3-Trichloropropane	12.64	75	127004	51.592	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	127004	128.625	ug/l #	12

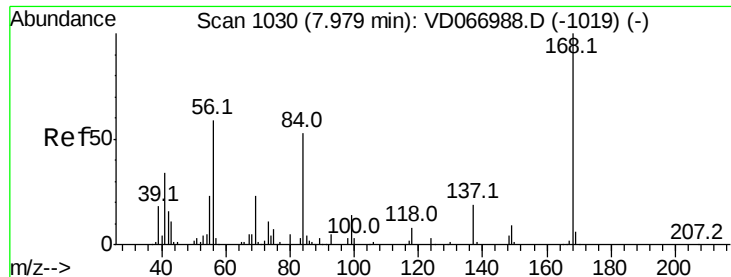
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 07 05:31:27 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: VD067134.D

Acq: 07 Oct 2020 04:36

Instrument :

MSVOA_D

ClientSampleId :

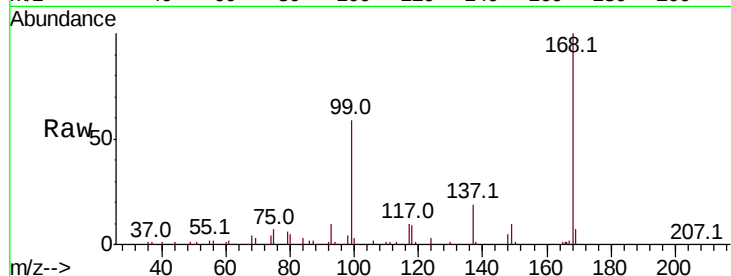
SB-4

Tot Ion:168 Resp: 403009

Ion Ratio Lower Upper

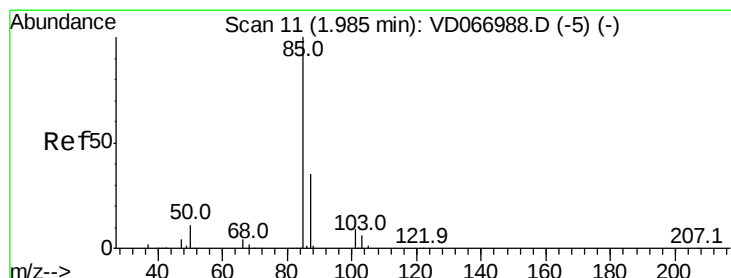
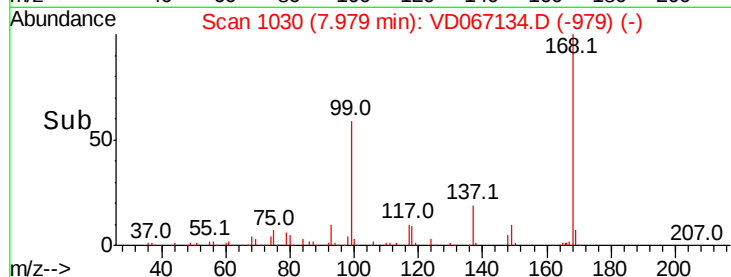
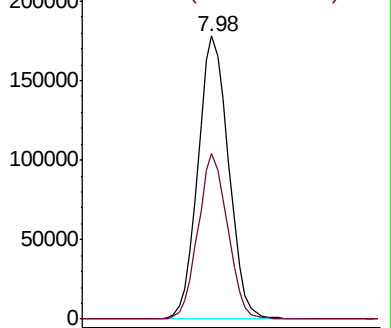
168 100

99 58.6 44.1 66.1



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: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD067134.D

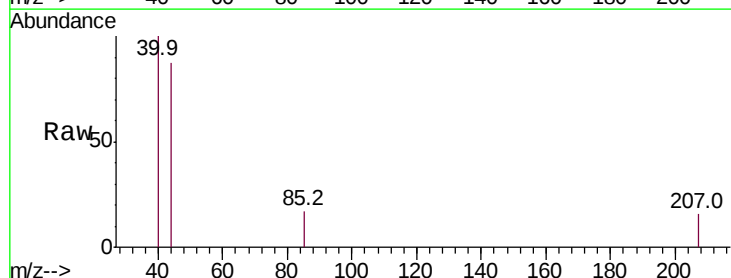
Acq: 07 Oct 2020 04:36

Tgt Ion: 85 Resp: 275

Ion Ratio Lower Upper

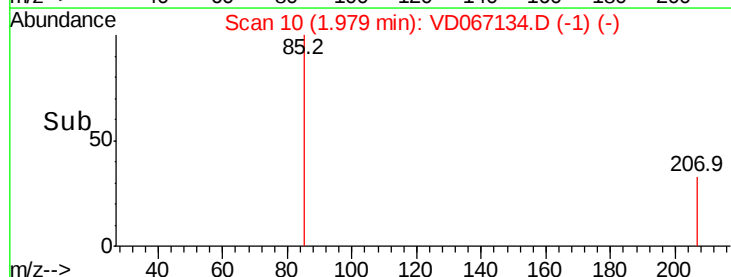
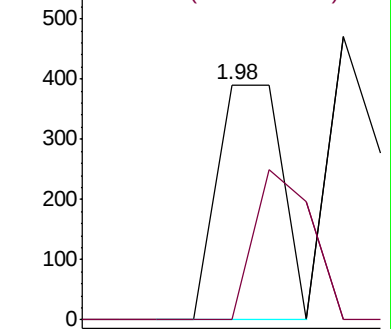
85 100

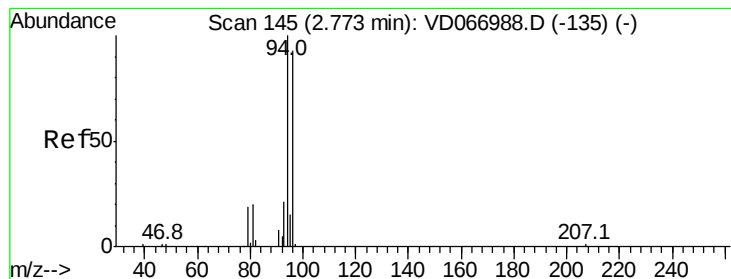
87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067134.D

Acq: 07 Oct 2020 04:36

Instrument :

MSVOA_D

ClientSampleId :

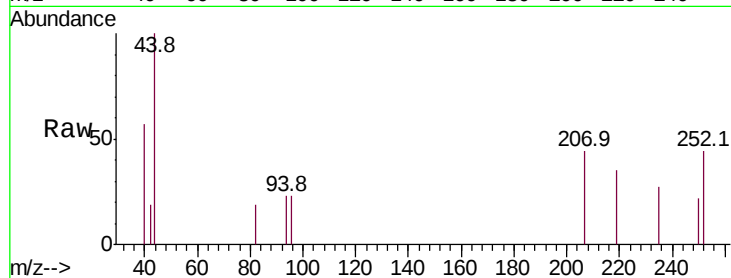
SB-4

Tot Ion: 94 Resp: 125

Ion Ratio Lower Upper

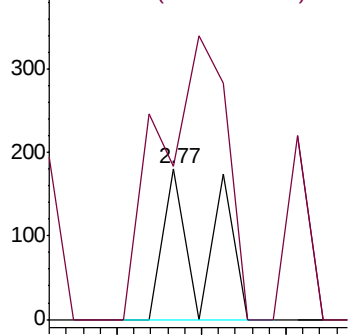
94 100

96 101.7 74.6 112.0

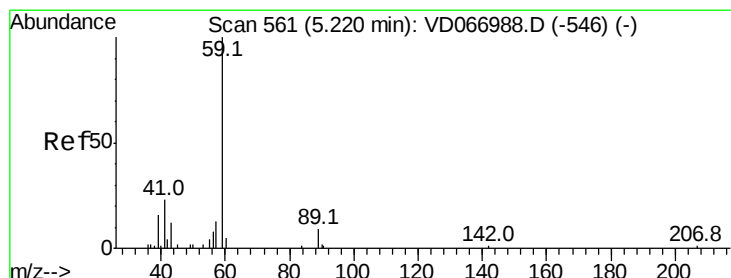
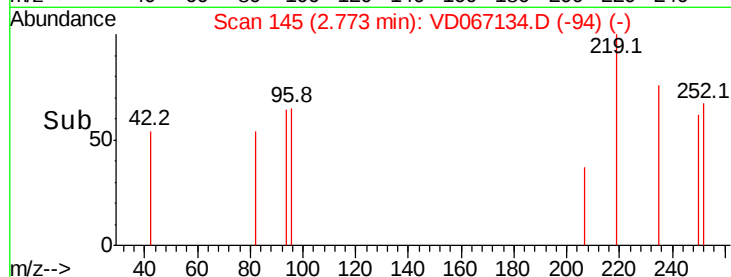


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 565

Delta R.T. 0.02 min

Lab File: VD067134.D

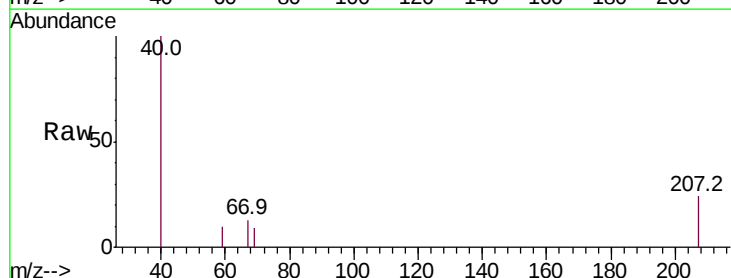
Acq: 07 Oct 2020 04:36

Tgt Ion: 59 Resp: 70

Ion Ratio Lower Upper

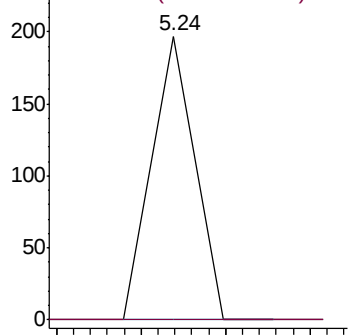
59 100

57 0.0 8.2 12.4#

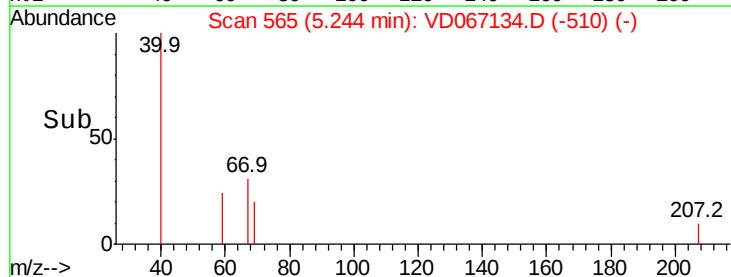


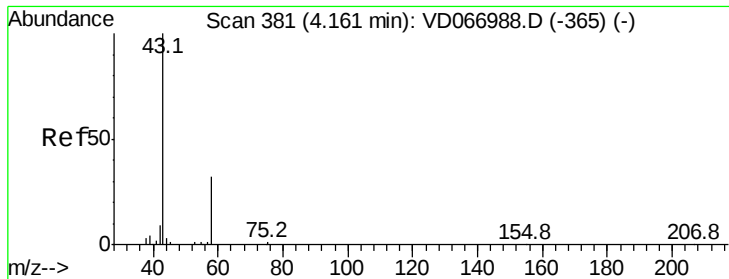
Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



Time-->





#16

Acetone

Concen: 16.366 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067134.D

Acq: 07 Oct 2020 04:36

Instrument :

MSVOA_D

ClientSampleId :

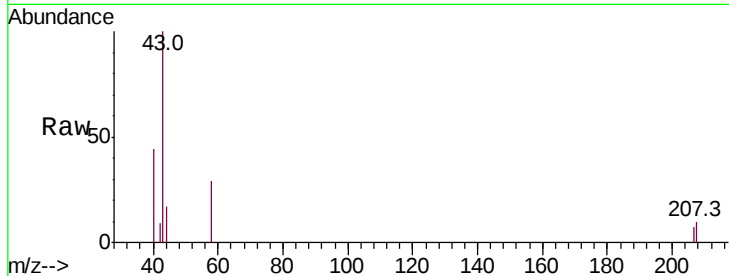
SB-4

Tot Ion: 43 Resp: 9698

Ion Ratio Lower Upper

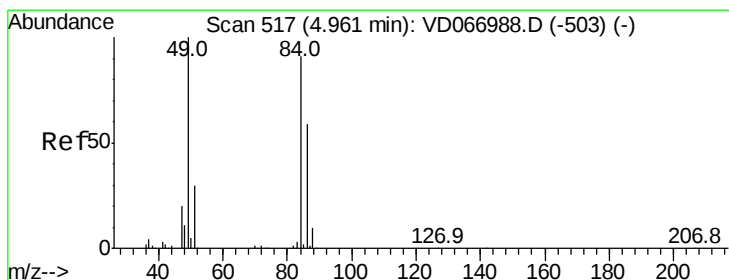
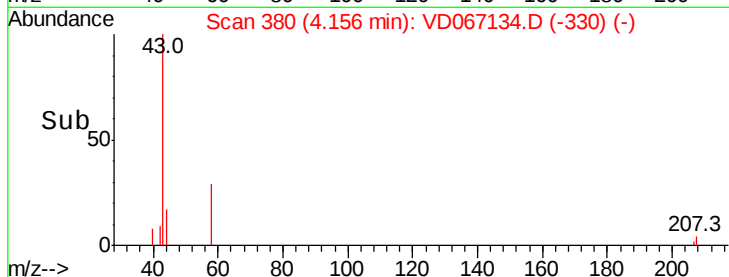
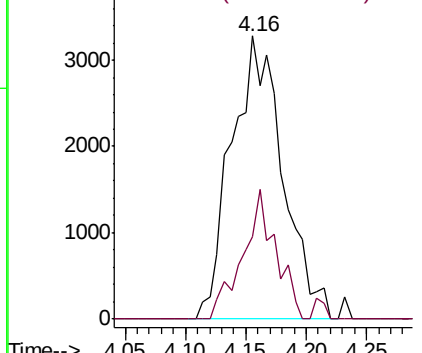
43 100

58 29.0 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067134.D

Acq: 07 Oct 2020 04:36

Tgt Ion: 84 Resp: 8953

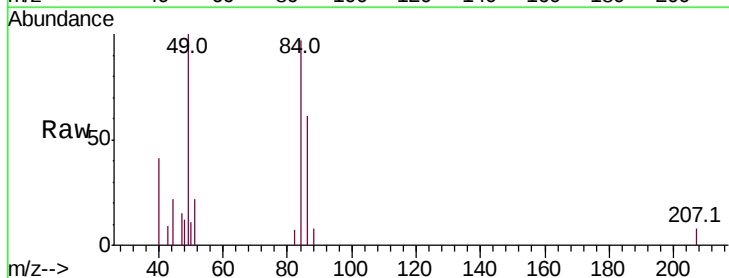
Ion Ratio Lower Upper

84 100

49 102.7 88.2 132.2

51 22.6 26.6 39.8#

86 62.9 52.1 78.1

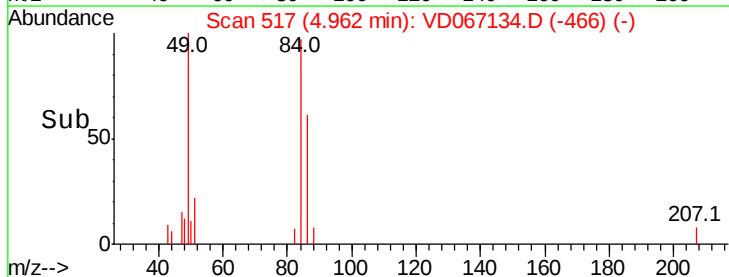
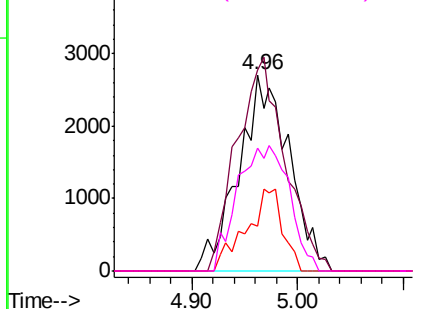


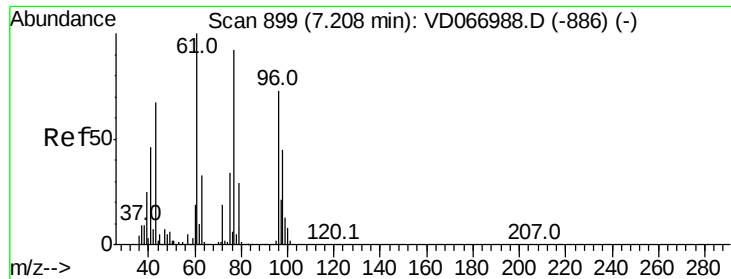
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 1.114 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067134.D

Acq: 07 Oct 2020 04:36

Instrument :

MSVOA_D

ClientSampleId :

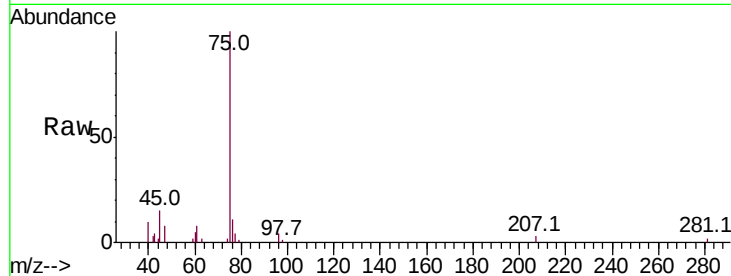
SB-4

Tot Ion: 43 Resp: 936

Ion Ratio Lower Upper

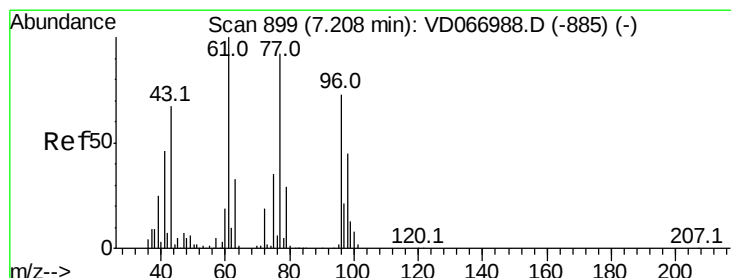
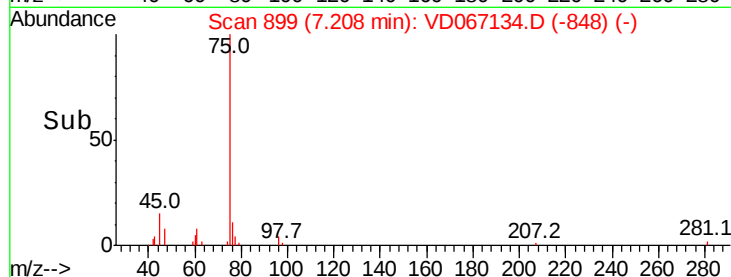
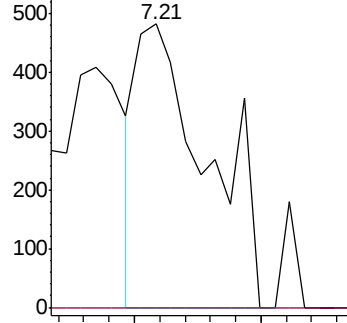
43 100

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



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD067134.D

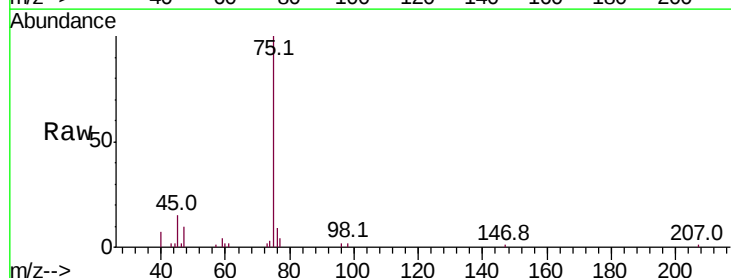
Acq: 07 Oct 2020 04:36

Tgt Ion: 77 Resp: 652

Ion Ratio Lower Upper

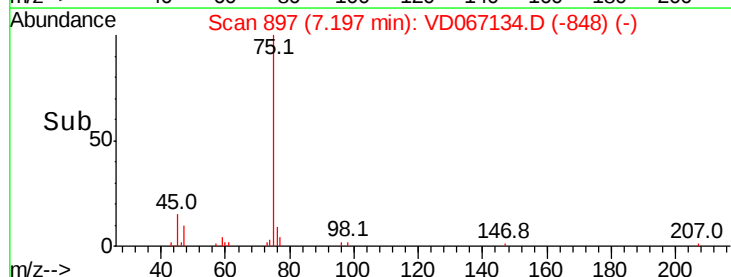
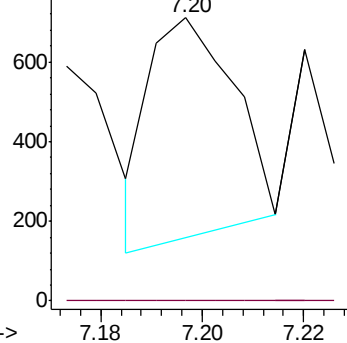
77 100

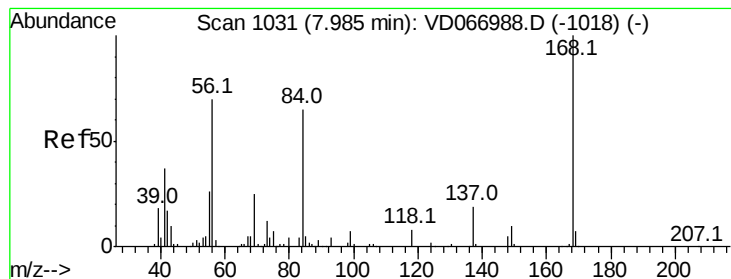
97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#31

Cyclohexane

Concen: 1.378 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067134.D

Acq: 07 Oct 2020 04:36

Instrument :

MSVOA_D

ClientSampleID :

SB-4

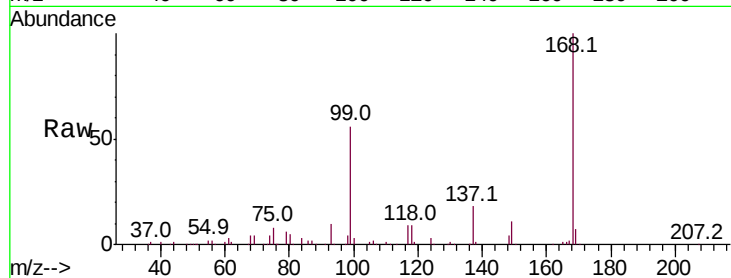
Tot Ion: 56 Resp: 8033

Ion Ratio Lower Upper

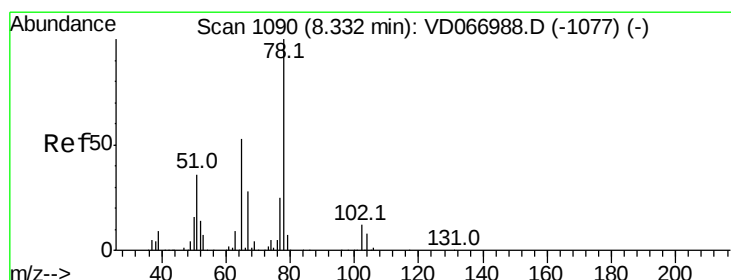
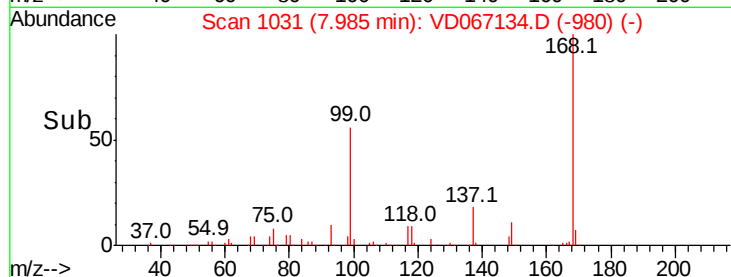
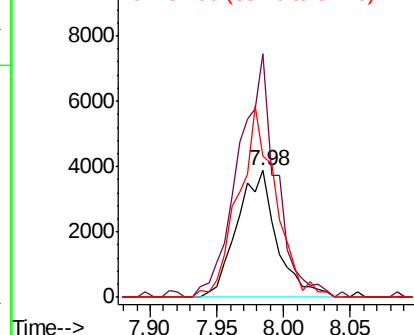
56 100

69 191.8 29.0 43.6#

84 111.5 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: 49.751 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067134.D

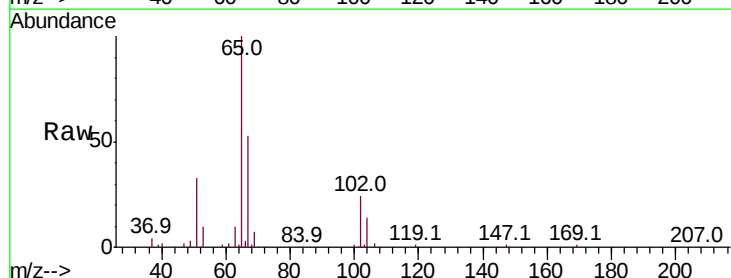
Acq: 07 Oct 2020 04:36

Tgt Ion: 65 Resp: 193123

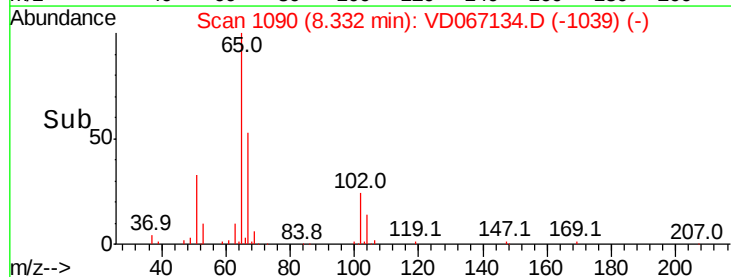
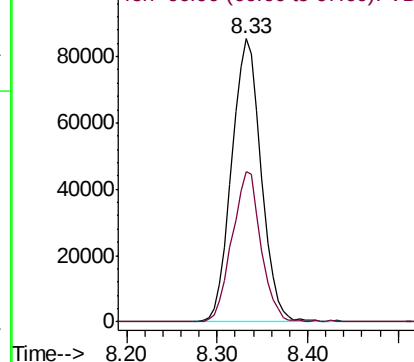
Ion Ratio Lower Upper

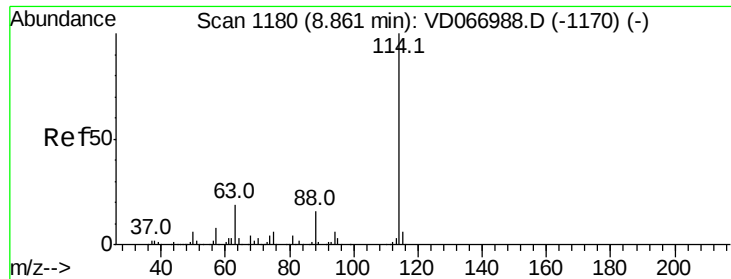
65 100

67 52.0 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: VD067134.D

Acq: 07 Oct 2020 04:36

Instrument :

MSVOA_D

ClientSampleId :

SB-4

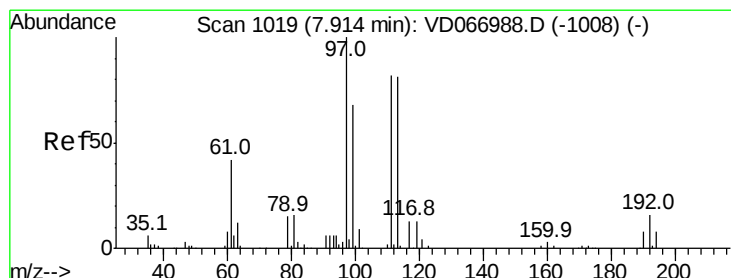
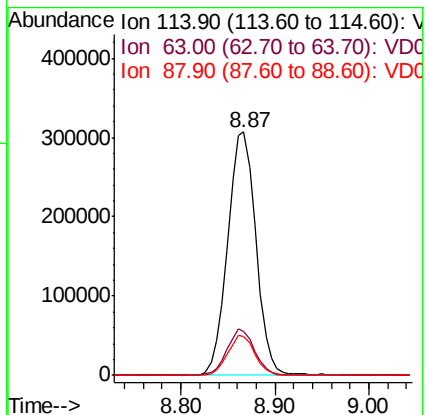
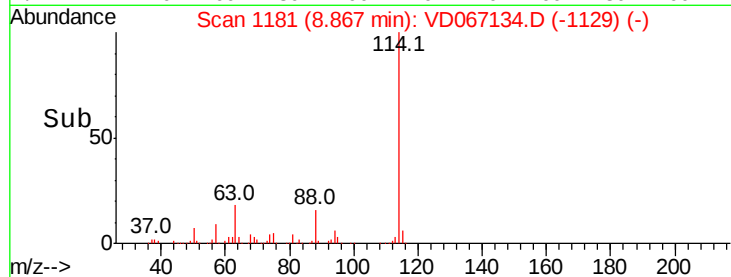
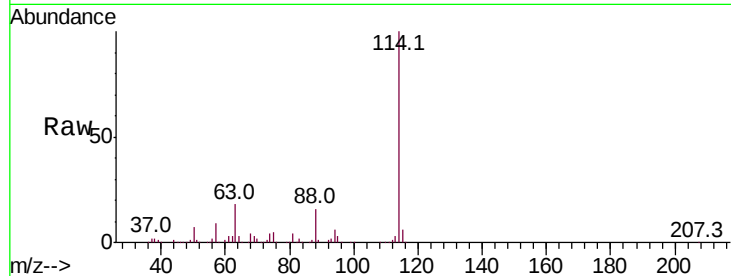
Tot Ion:114 Resp: 642914

Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

88 16.0 0.0 31.2



#35

Dibromofluoromethane

Concen: 50.087 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067134.D

Acq: 07 Oct 2020 04:36

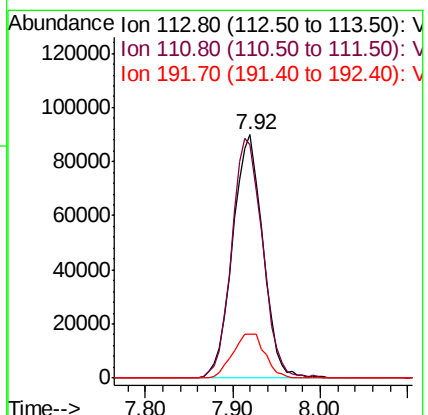
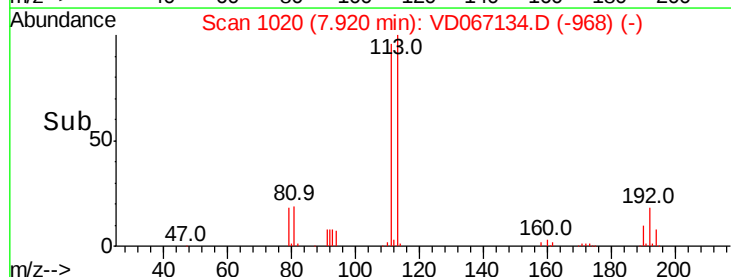
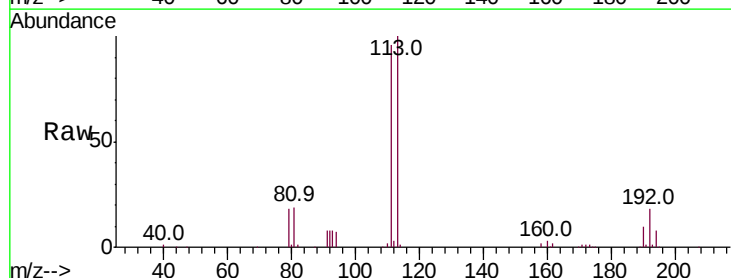
Tgt Ion:113 Resp: 210818

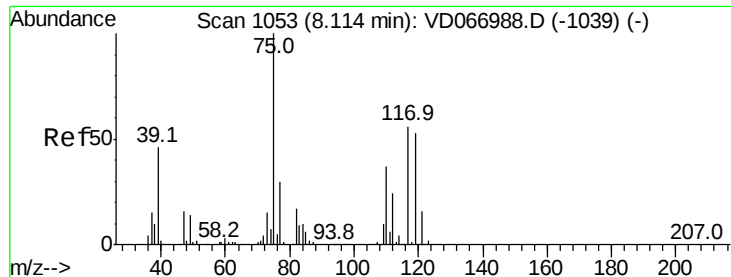
Ion Ratio Lower Upper

113 100

111 100.9 83.0 124.4

192 19.5 15.5 23.3

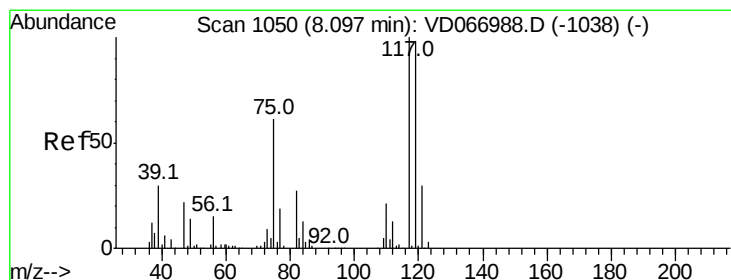
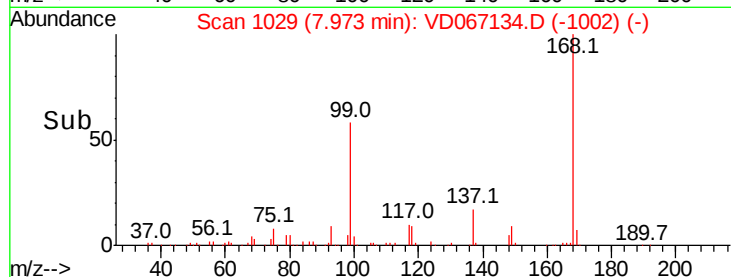
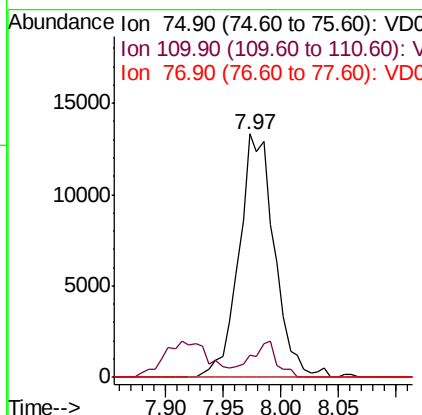
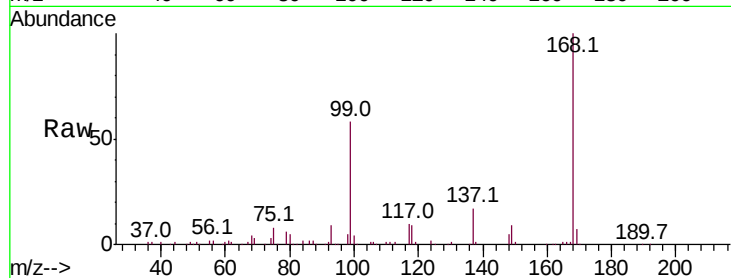




#36
 1,1-Dichloropropene
 Concen: 4.755 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD067134.D
 Acq: 07 Oct 2020 04:36

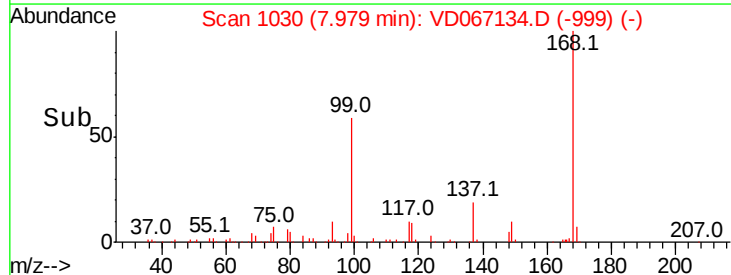
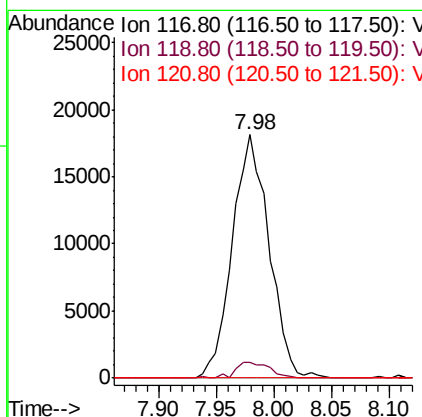
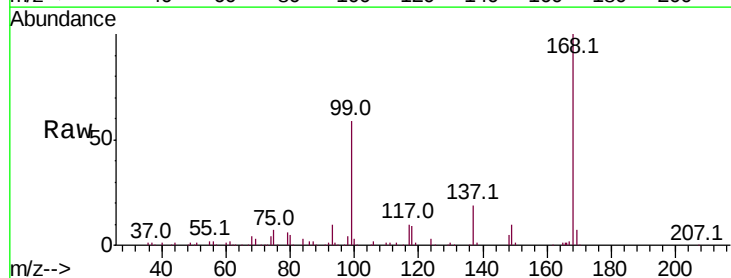
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-4

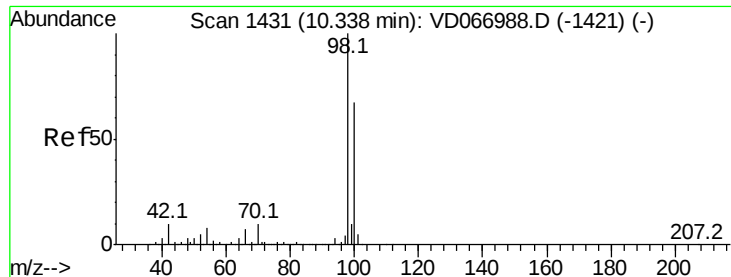
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.2	18.4	55.0#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.188 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD067134.D
 Acq: 07 Oct 2020 04:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	78.7	118.1#
121	0.0	24.2	36.2#





#50

Toluene-d8

Concen: 49.343 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067134.D

Acq: 07 Oct 2020 04:36

Instrument :

MSVOA_D

ClientSampleId :

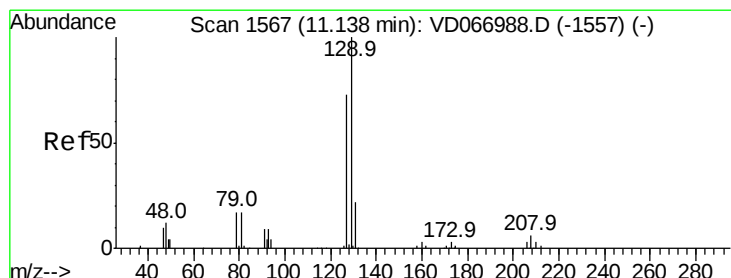
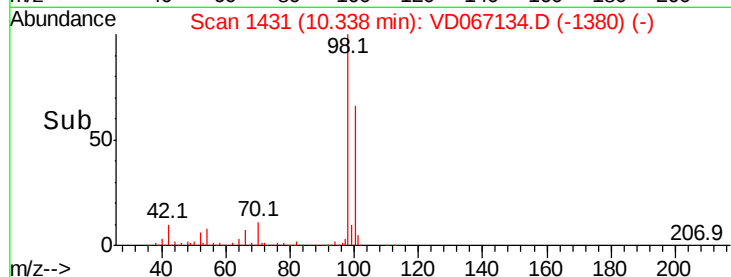
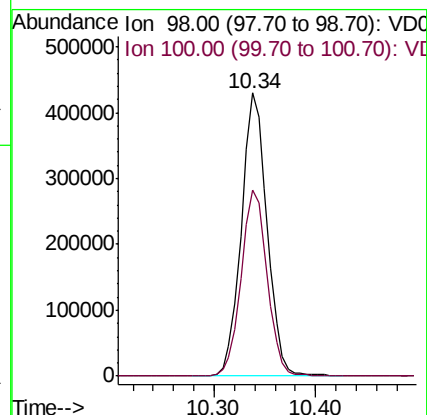
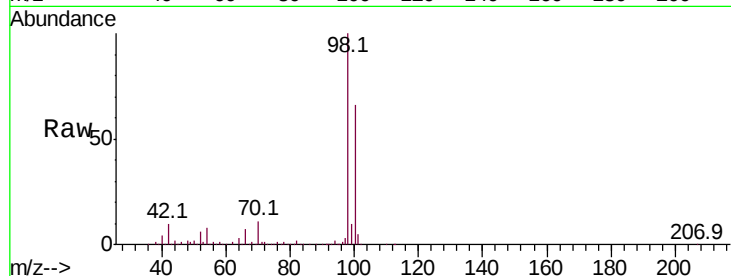
SB-4

Tot Ion: 98 Resp: 756779

Ion Ratio Lower Upper

98 100

100 66.5 52.8 79.2



#60

Dibromochloromethane

Concen: 12.568 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.26 min

Lab File: VD067134.D

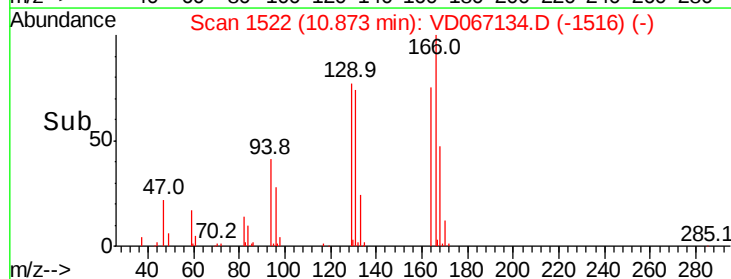
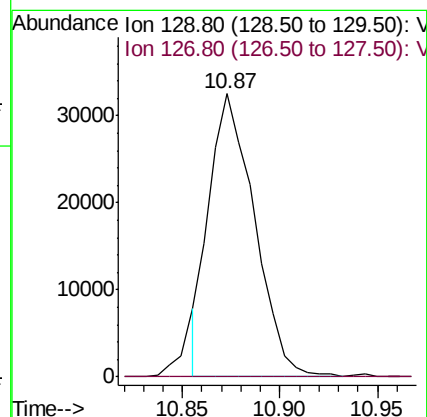
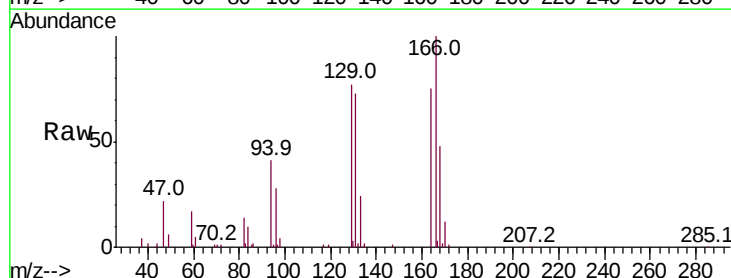
Acq: 07 Oct 2020 04:36

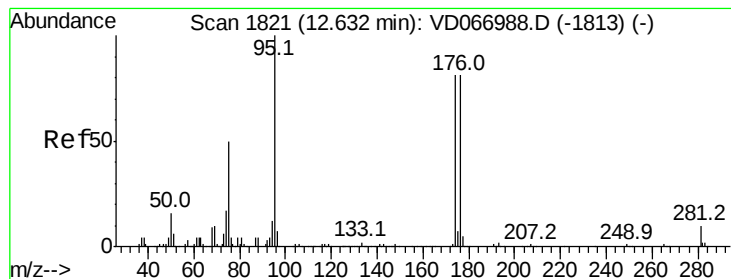
Tgt Ion:129 Resp: 52348

Ion Ratio Lower Upper

129 100

127 0.0 37.4 112.1#





#62

4-Bromofluorobenzene

Concen: 48.790 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067134.D

Acq: 07 Oct 2020 04:36

Instrument :

MSVOA_D

ClientSampleId :

SB-4

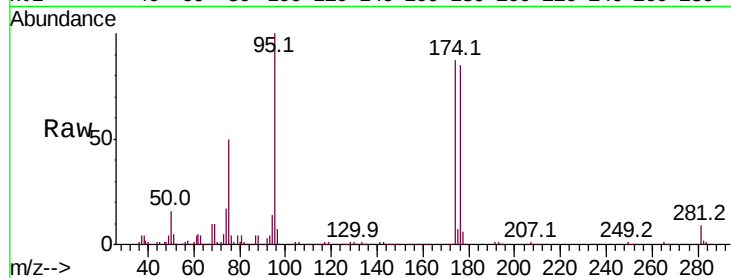
Tot Ion: 95 Resp: 254032

Ion Ratio Lower Upper

95 100

174 84.8 0.0 167.6

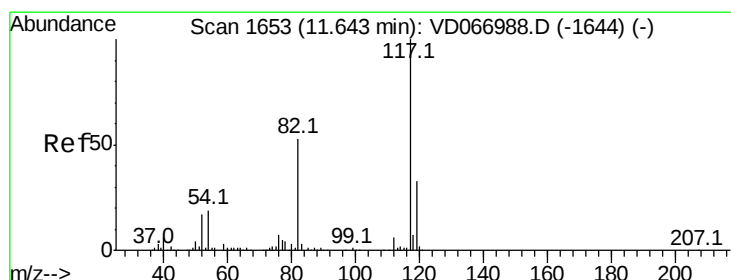
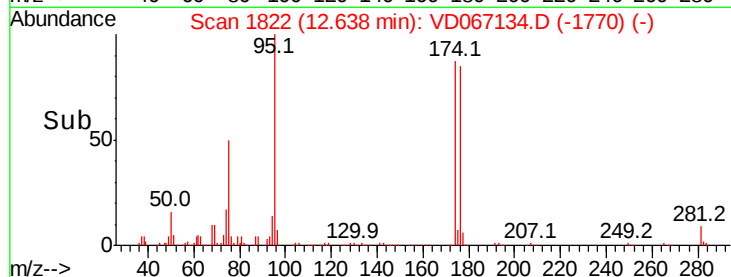
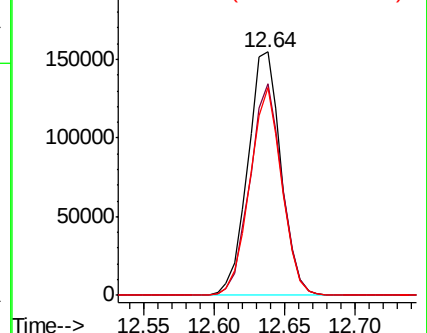
176 82.5 0.0 162.4



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: VD067134.D

Acq: 07 Oct 2020 04:36

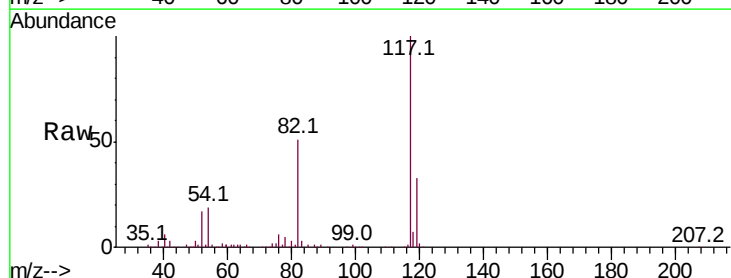
Tgt Ion: 117 Resp: 607058

Ion Ratio Lower Upper

117 100

82 51.5 42.6 63.8

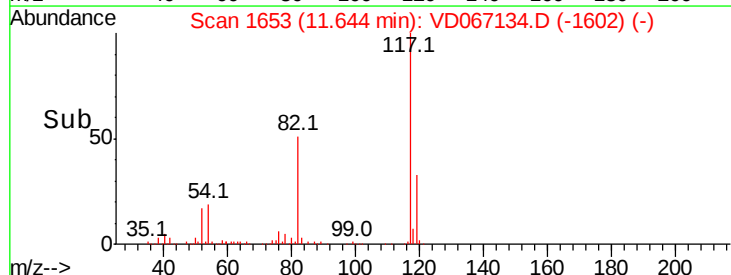
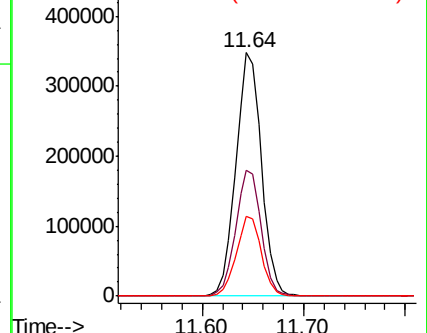
119 32.7 26.3 39.5

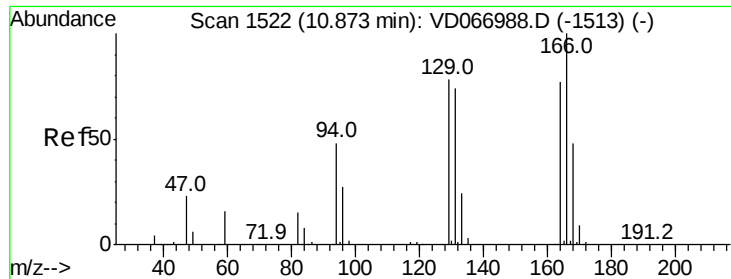


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 13.776 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. 0.01 min

Lab File: VD067134.D

Acq: 07 Oct 2020 04:36

Instrument :

MSVOA_D

ClientSampleId :

SB-4

Tot Ion:164 Resp: 60797

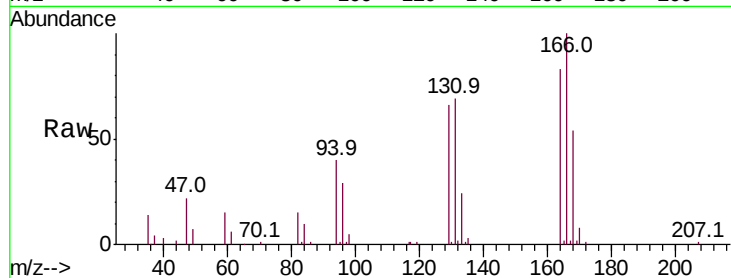
Ion Ratio Lower Upper

164 100

166 120.1 104.4 156.6

129 79.2 81.3 121.9#

131 83.1 77.1 115.7

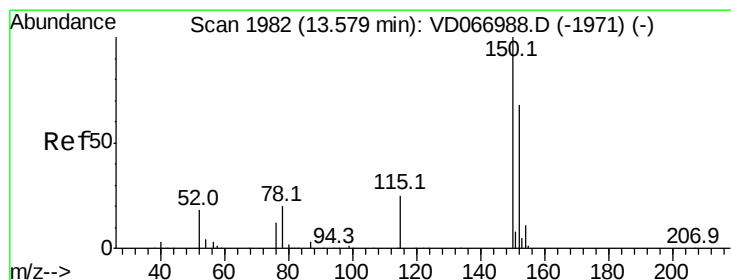
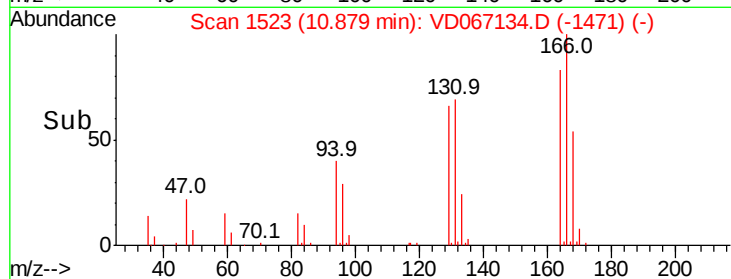
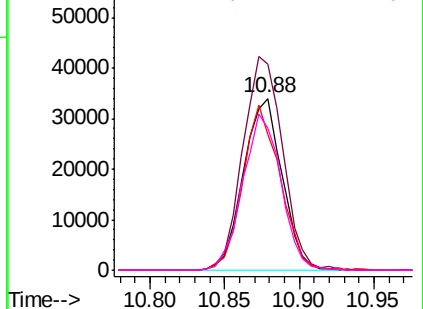


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VD067134.D

Acq: 07 Oct 2020 04:36

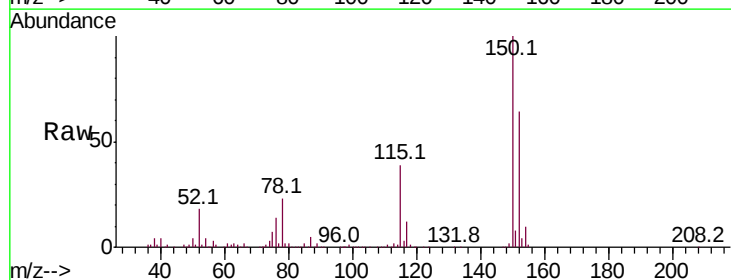
Tgt Ion:152 Resp: 282620

Ion Ratio Lower Upper

152 100

115 58.0 29.6 88.8

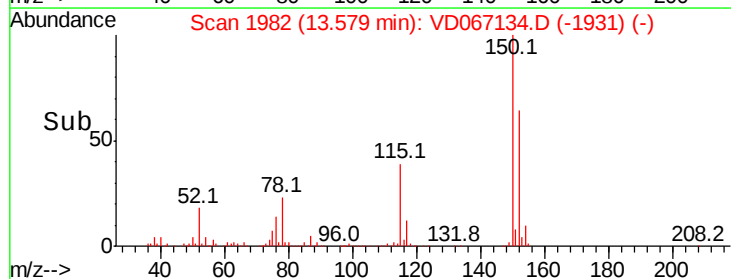
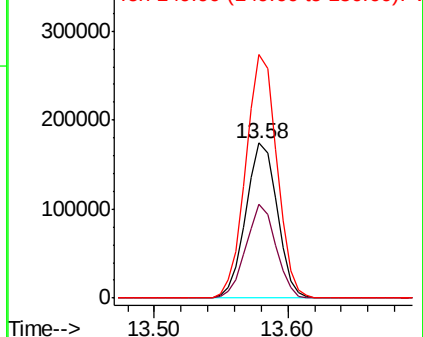
150 155.9 0.0 344.8

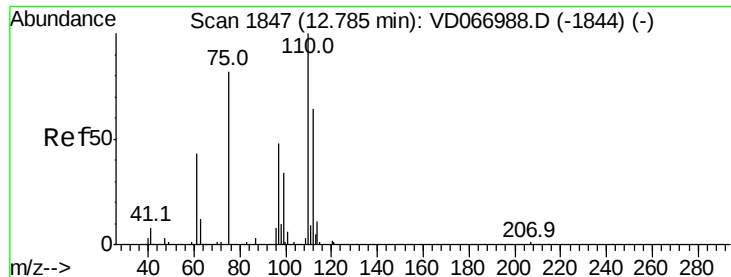


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 51.592 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067134.D

Acq: 07 Oct 2020 04:36

Instrument :

MSVOA_D

ClientSampleId :

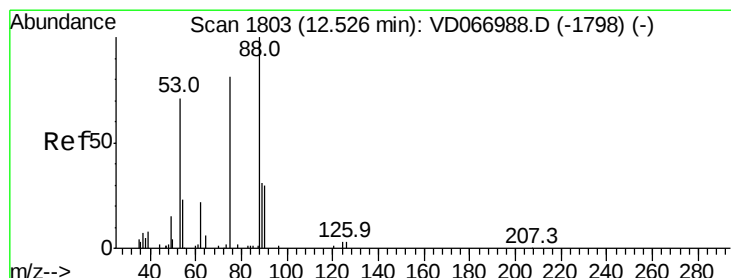
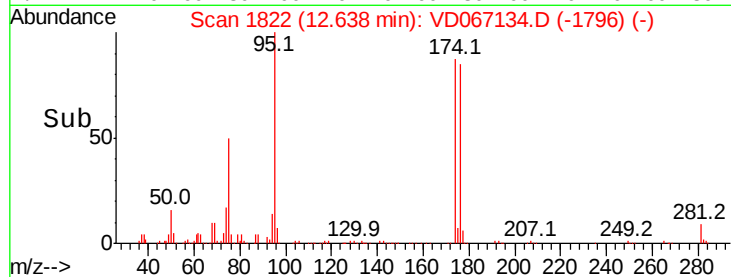
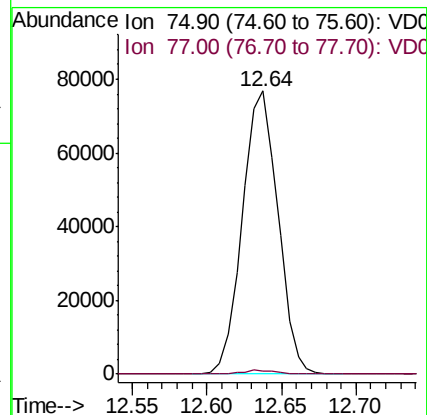
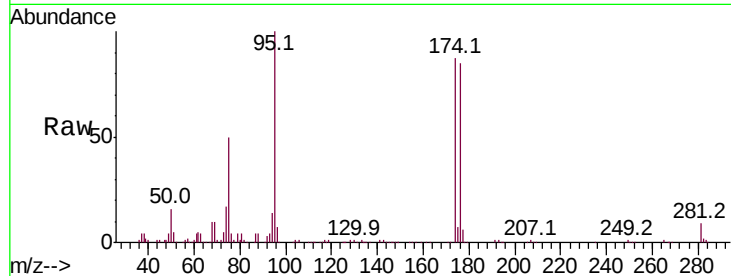
SB-4

Tot Ion: 75 Resp: 127004

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 128.625 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067134.D

Acq: 07 Oct 2020 04:36

Tgt Ion: 75 Resp: 127004

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.2 38.9 58.3#

