

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067155.D
 Acq On : 07 Oct 2020 16:29
 Operator : VA/SY
 Sample : L4273-18
 Misc : 3.90G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-9A

Quant Time: Oct 08 07:24:21 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	402394	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	634663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	597526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	285391	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	195222	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
35) Dibromofluoromethane	7.92	113	207363	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	10.34	98	754116	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.64	95	253175	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	

Target Compounds

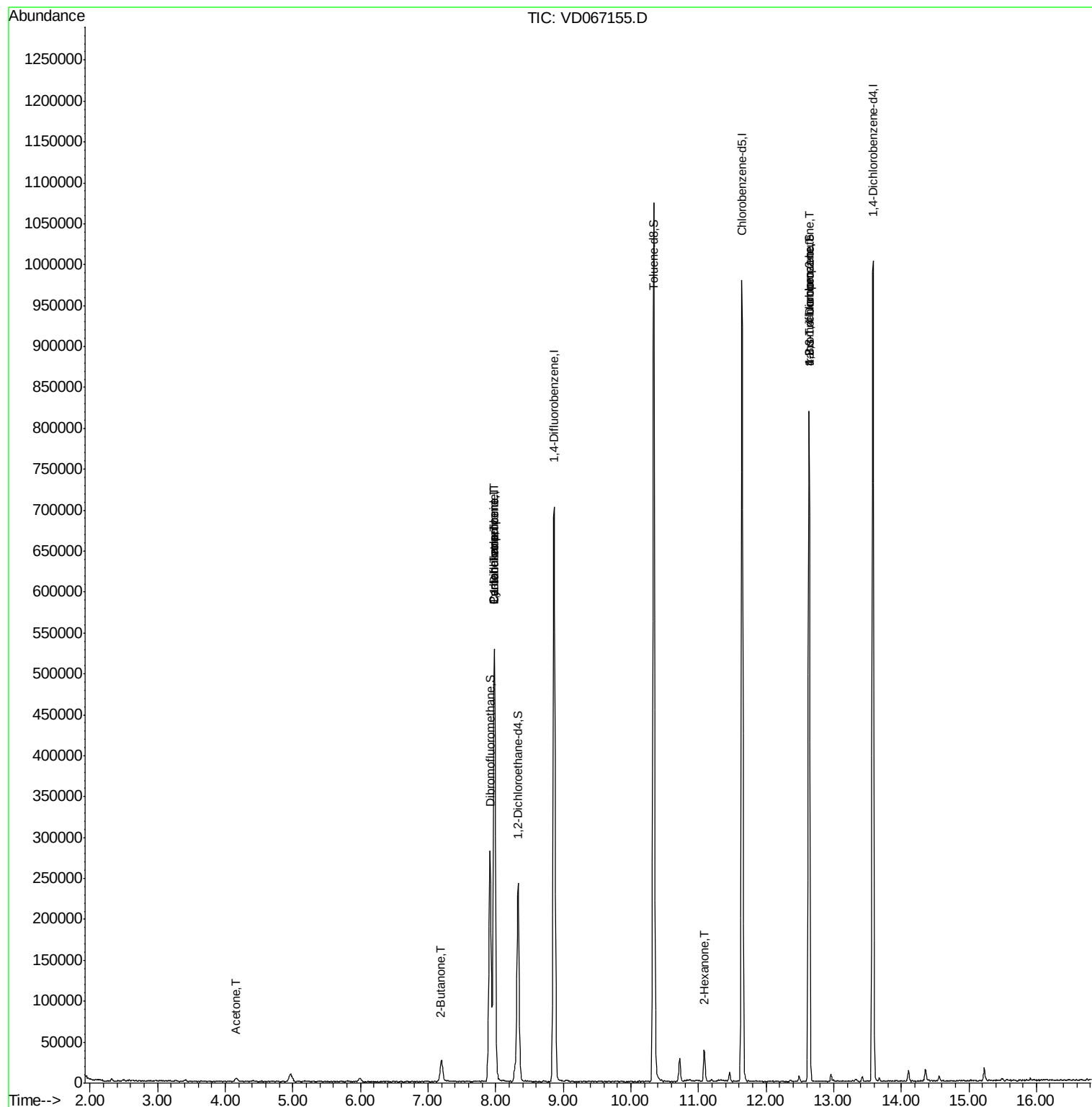
						Qvalue
2) Dichlorodifluoromethane	1.98	85	772	Below Cal	#	40
5) Bromomethane	2.77	94	79	Below Cal		82
11) Tert butyl alcohol	5.21	59	218	Below Cal	#	72
16) Acetone	4.16	43	7837	13.246	ug/l #	86
20) Methylene Chloride	4.97	84	8776	Below Cal	#	70
25) 2-Butanone	7.18	43	1760	2.098	ug/l #	46
26) 2,2-Dichloropropane	7.20	77	2024	Below Cal	#	53
31) Cyclohexane	7.98	56	7449	1.280	ug/l #	13
36) 1,1-Dichloropropene	7.98	75	28577	4.831	ug/l #	50
38) Carbon Tetrachloride	7.98	117	41228	6.441	ug/l #	15
59) 2-Hexanone	11.08	43	1976	1.574	ug/l #	27
76) 1,2,3-Trichloropropane	12.64	75	128315	51.618	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	128315	128.691	ug/l #	12

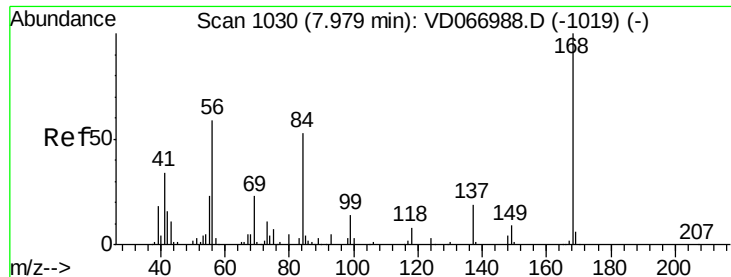
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD067155.D

Acq: 07 Oct 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

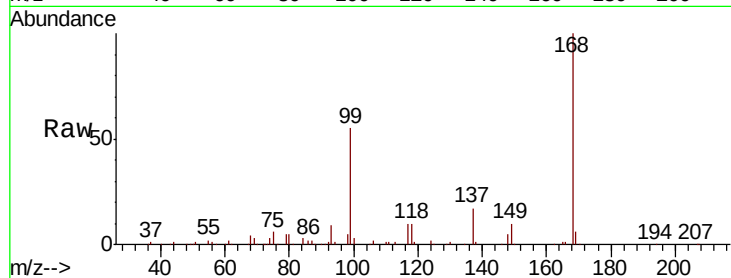
SB-9A

Tot Ion:168 Resp: 402394

Ion Ratio Lower Upper

168 100

99 55.0 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

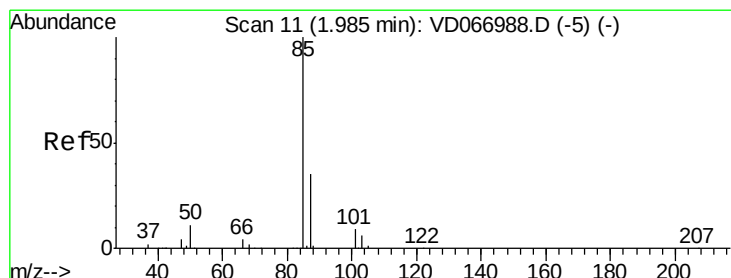
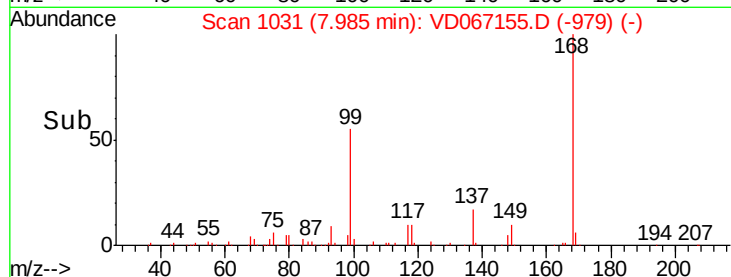
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD067155.D

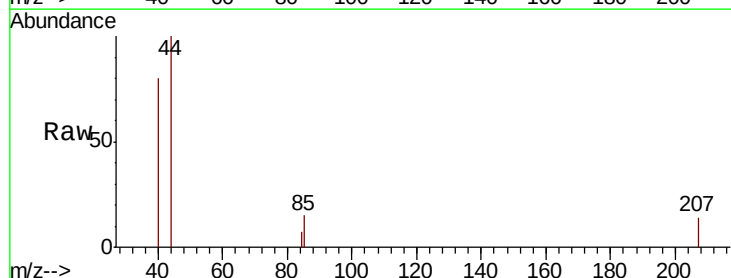
Acq: 07 Oct 2020 16:29

Tgt Ion: 85 Resp: 772

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

600

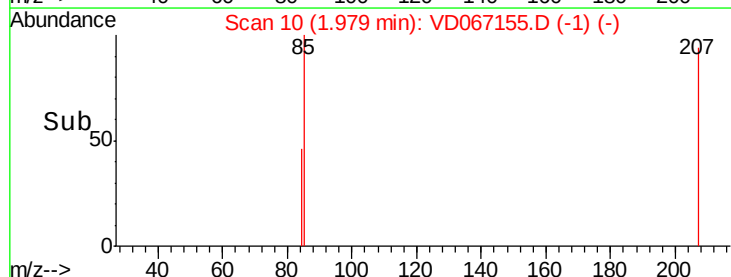
400

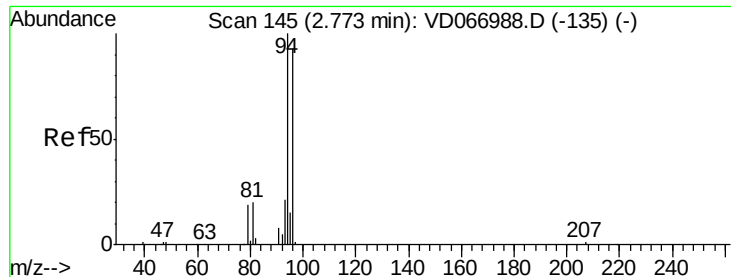
200

0

Time-->

1.96 1.98 2.00 2.02





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067155.D

Acq: 07 Oct 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

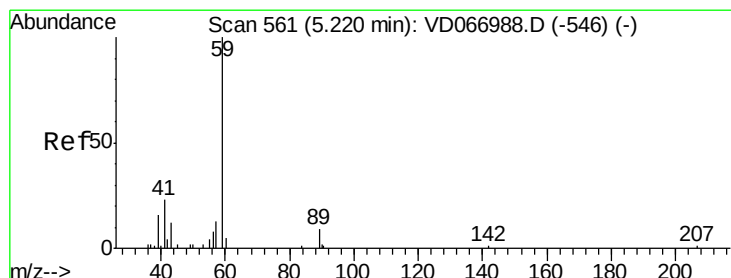
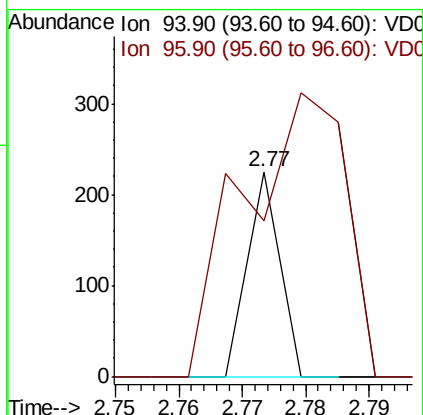
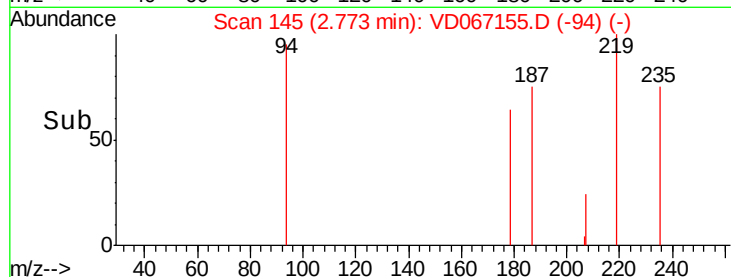
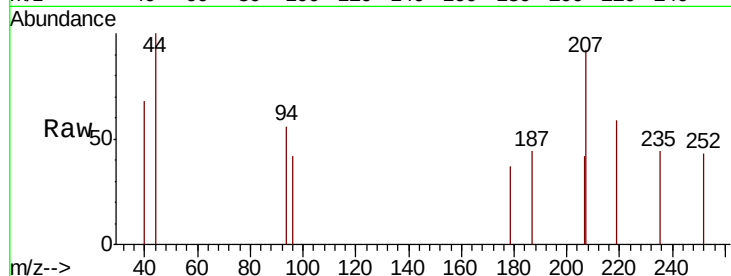
SB-9A

Tot Ion: 94 Resp: 79

Ion Ratio Lower Upper

94 100

96 76.0 74.6 112.0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD067155.D

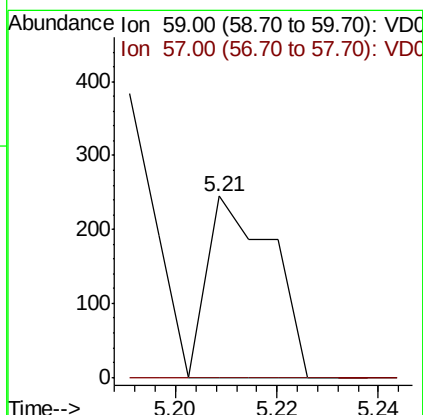
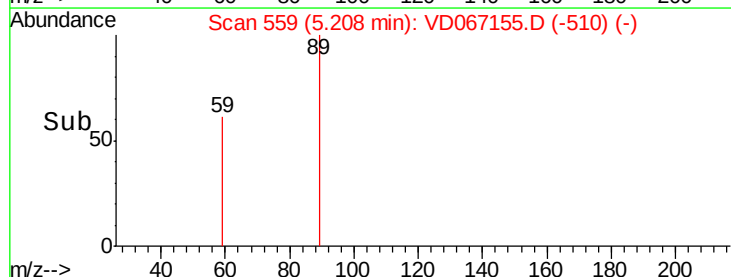
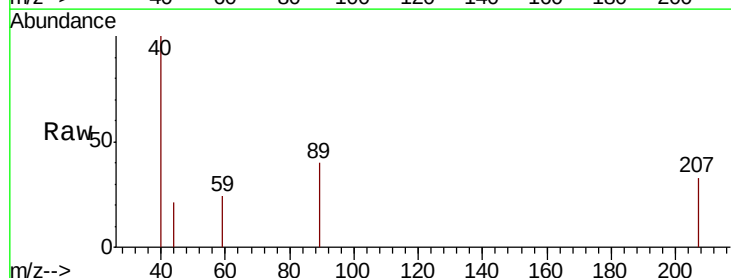
Acq: 07 Oct 2020 16:29

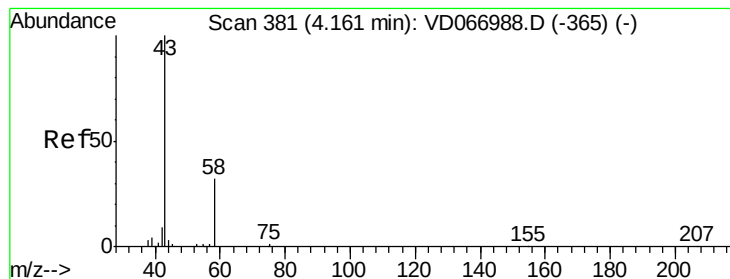
Tgt Ion: 59 Resp: 218

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#16

Acetone

Concen: 13.246 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067155.D

Acq: 07 Oct 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

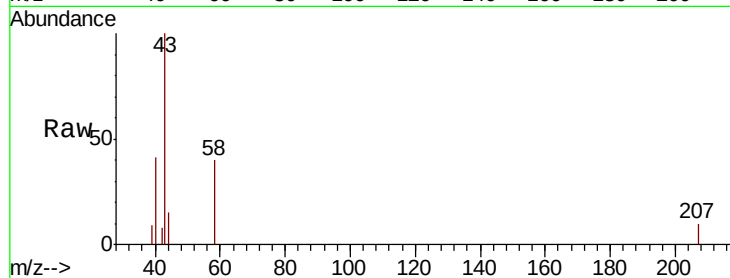
SB-9A

Tot Ion: 43 Resp: 7837

Ion Ratio Lower Upper

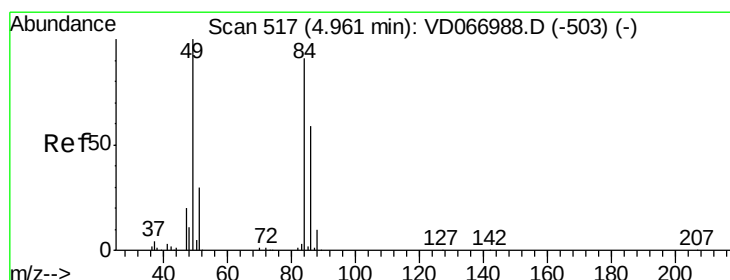
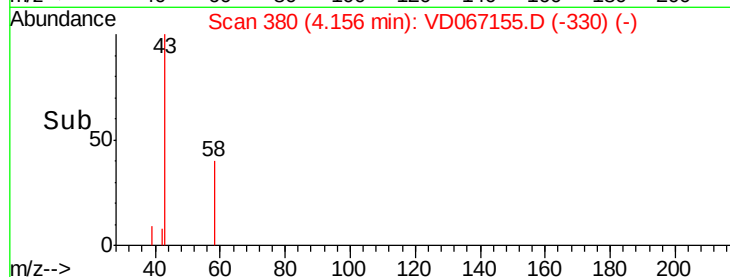
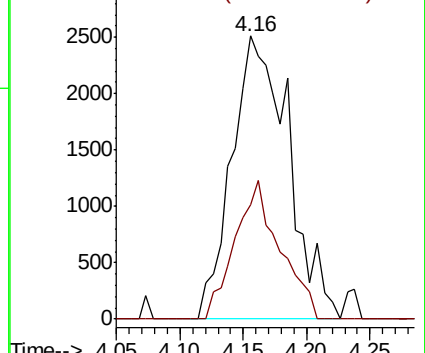
43 100

58 40.3 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: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067155.D

Acq: 07 Oct 2020 16:29

Tgt Ion: 84 Resp: 8776

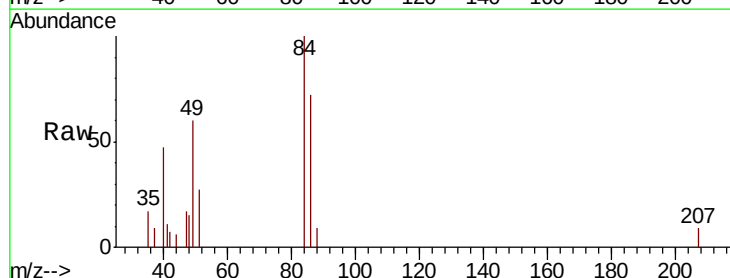
Ion Ratio Lower Upper

84 100

49 59.7 88.2 132.2#

51 27.0 26.6 39.8

86 72.2 52.1 78.1

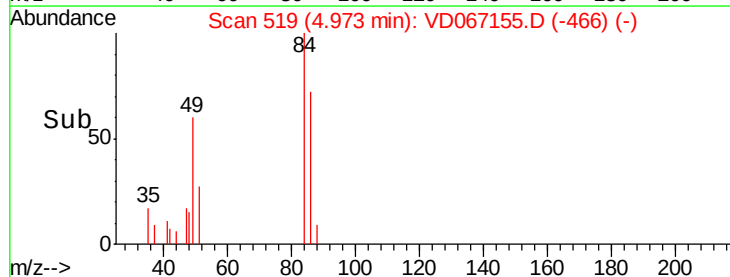
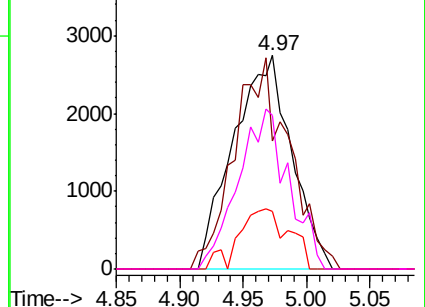


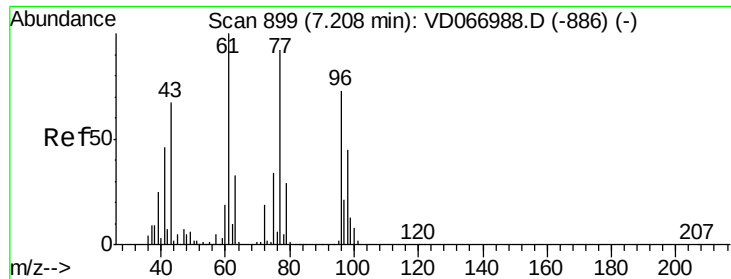
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 2.098 ug/l

RT: 7.18 min Scan# 895

Delta R.T. -0.02 min

Lab File: VD067155.D

Acq: 07 Oct 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

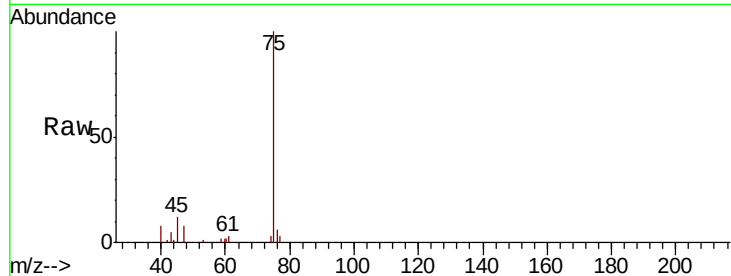
SB-9A

Tot Ion: 43 Resp: 1760

Ion Ratio Lower Upper

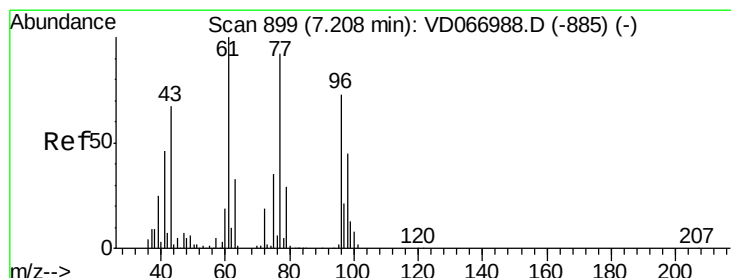
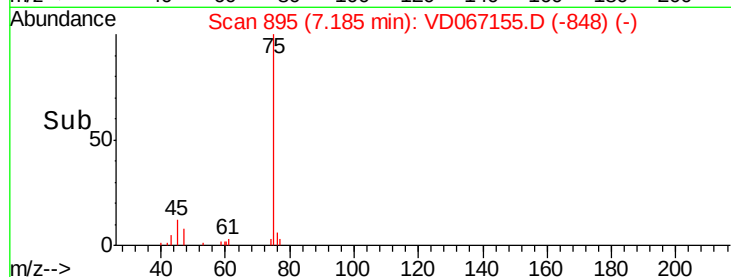
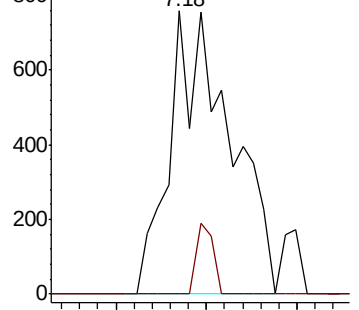
43 100

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: VD067155.D

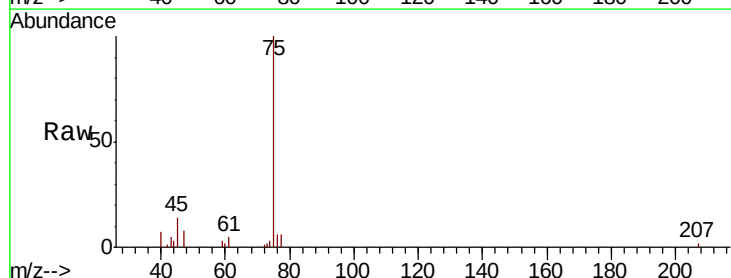
Acq: 07 Oct 2020 16:29

Tgt Ion: 77 Resp: 2024

Ion Ratio Lower Upper

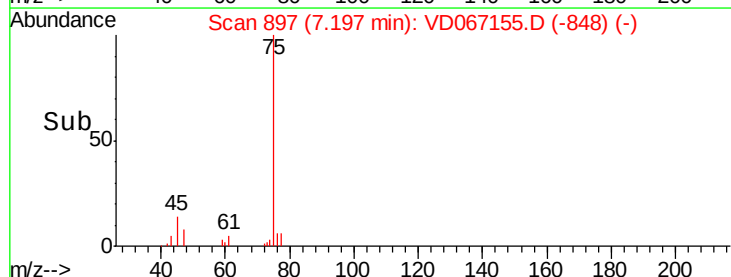
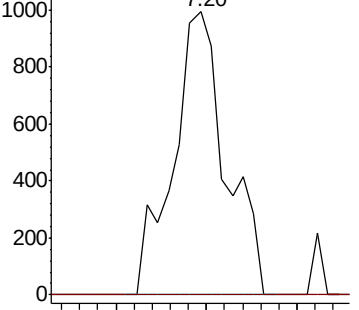
77 100

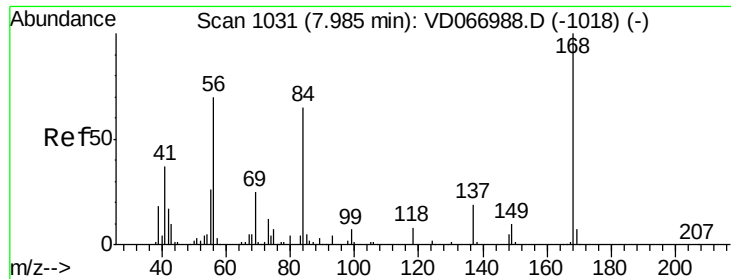
97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

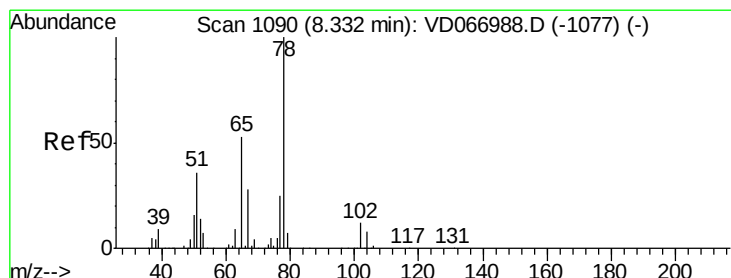
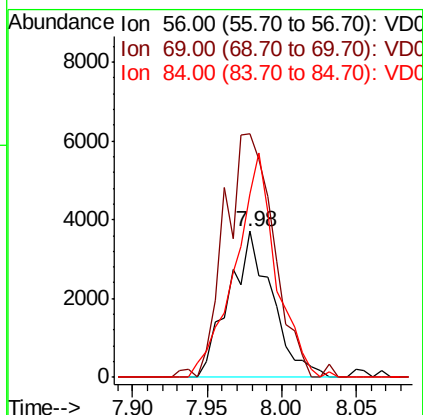
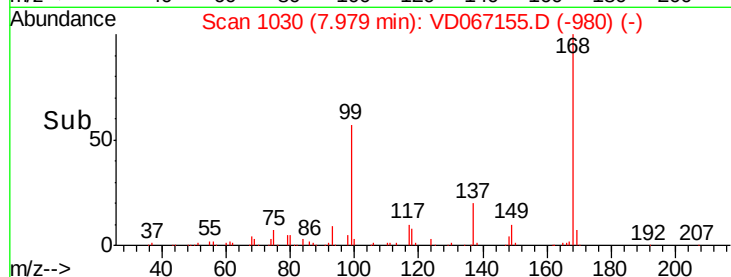
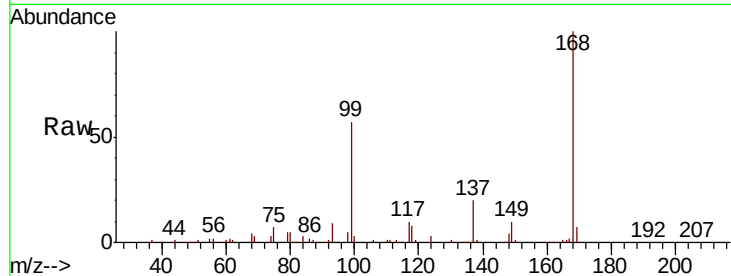




#31
Cyclohexane
Concen: 1.280 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067155.D
Acq: 07 Oct 2020 16:29

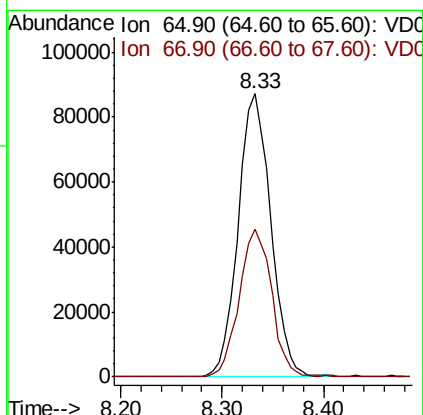
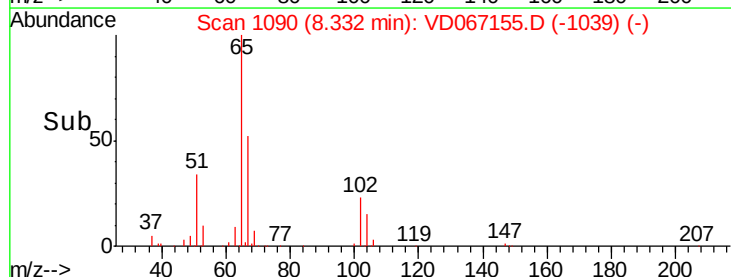
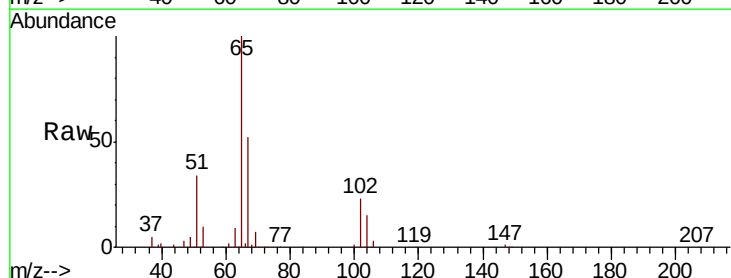
Instrument :
MSVOA_D
ClientSampleId :
SB-9A

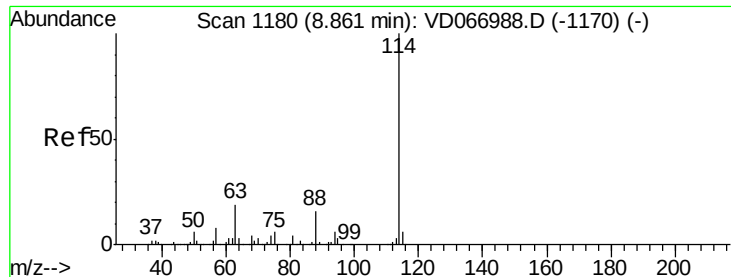
Tot Ion: 56 Resp: 7449
Ion Ratio Lower Upper
56 100
69 166.5 29.0 43.6#
84 125.6 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 50.369 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067155.D
Acq: 07 Oct 2020 16:29

Tgt Ion: 65 Resp: 195222
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067155.D

Acq: 07 Oct 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

SB-9A

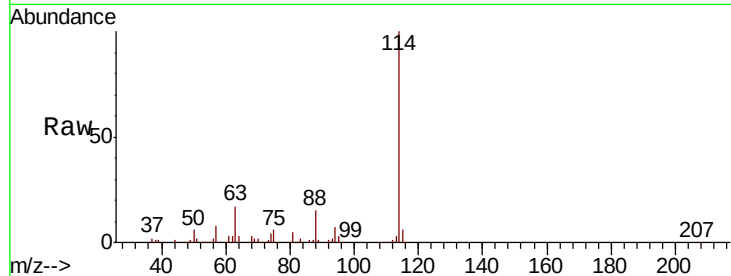
Tot Ion:114 Resp: 634663

Ion Ratio Lower Upper

114 100

63 17.4 0.0 38.4

88 15.5 0.0 31.2



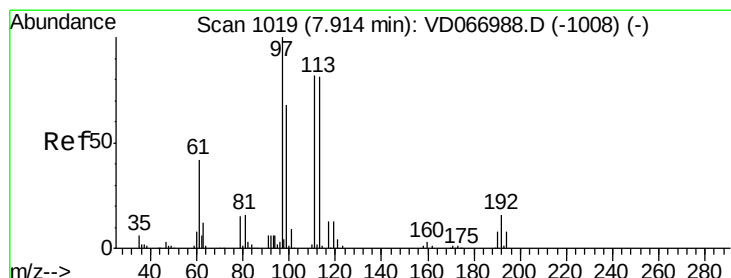
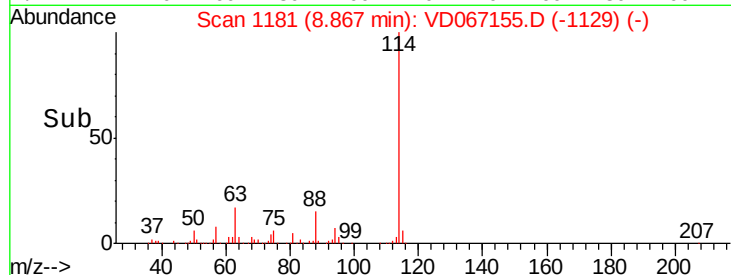
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

Time-->



#35

Dibromofluoromethane

Concen: 49.907 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067155.D

Acq: 07 Oct 2020 16:29

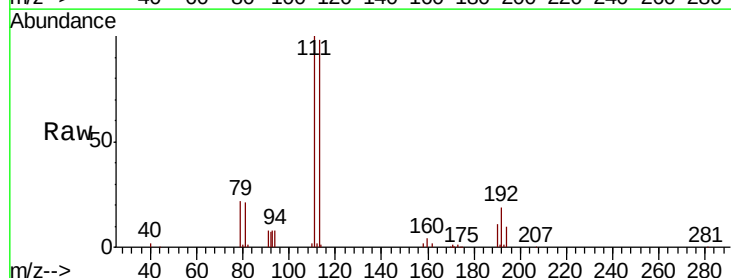
Tgt Ion:113 Resp: 207363

Ion Ratio Lower Upper

113 100

111 99.1 83.0 124.4

192 20.5 15.5 23.3



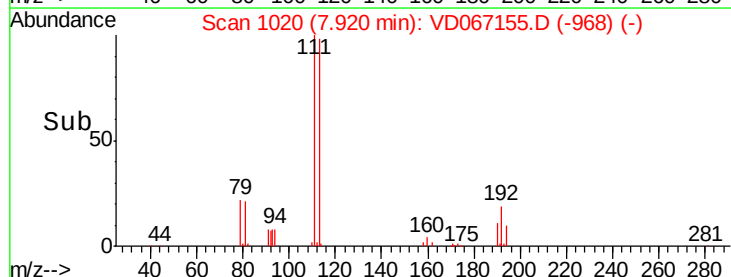
Abundance Ion 112.80 (112.50 to 113.50): V

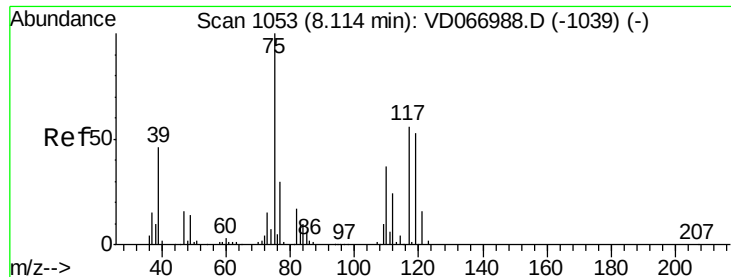
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

7.92

Time-->

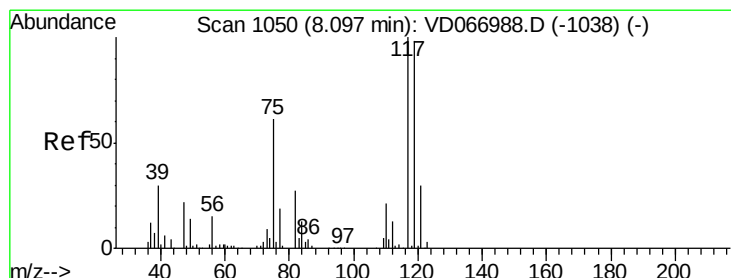
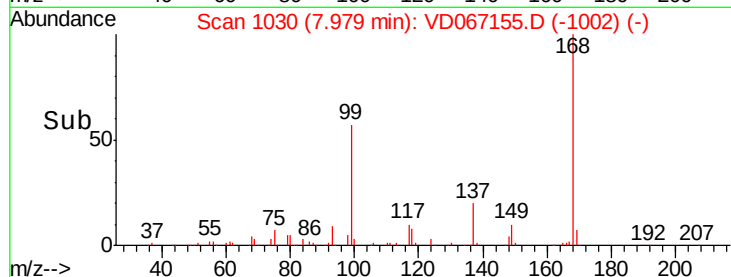
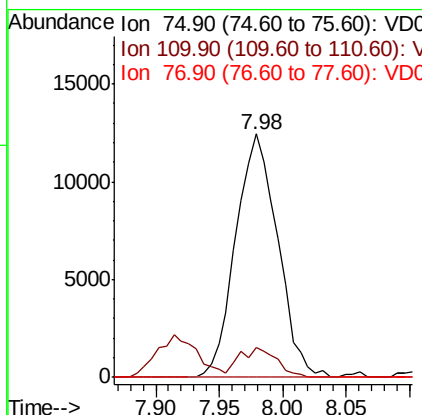
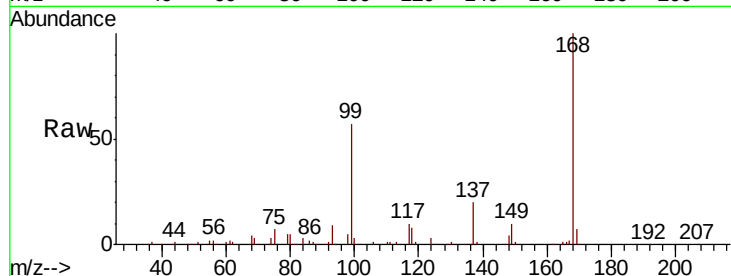




#36
 1,1-Dichloropropene
 Concen: 4.831 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067155.D
 Acq: 07 Oct 2020 16:29

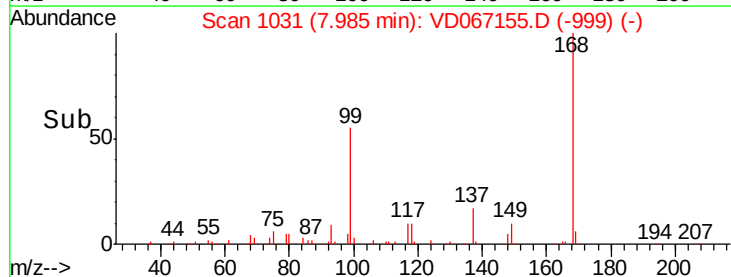
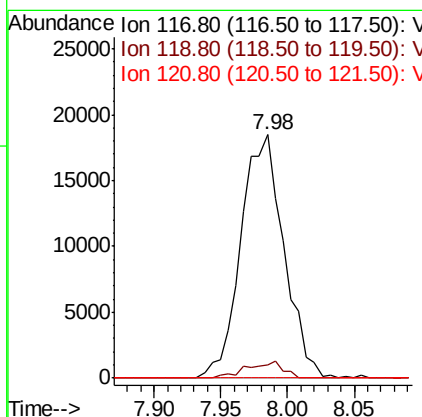
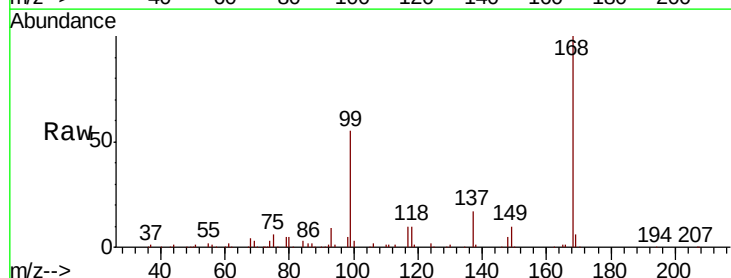
Instrument :
 MSVOA_D
 ClientSampled :
 SB-9A

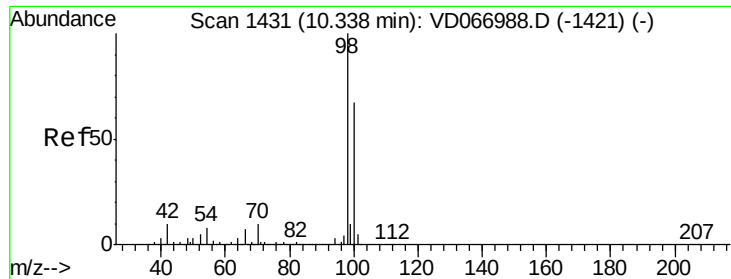
Tot Ion: 75 Resp: 28577
 Ion Ratio Lower Upper
 75 100
 110 10.7 18.4 55.0#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.441 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD067155.D
 Acq: 07 Oct 2020 16:29

Tgt Ion: 117 Resp: 41228
 Ion Ratio Lower Upper
 117 100
 119 5.4 78.7 118.1#
 121 0.0 24.2 36.2#

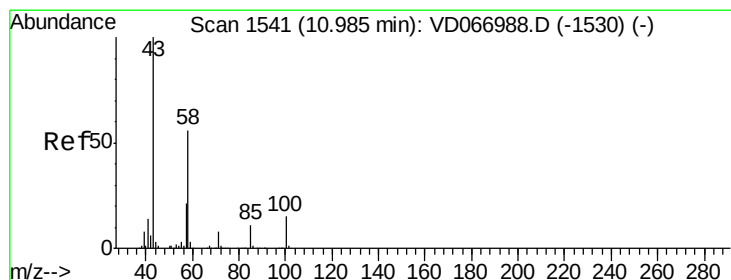
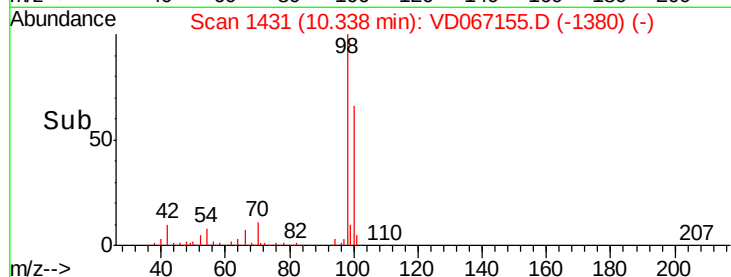
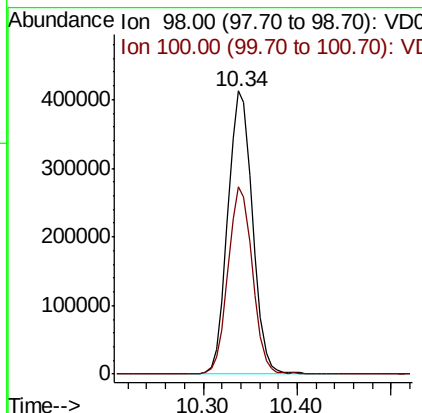
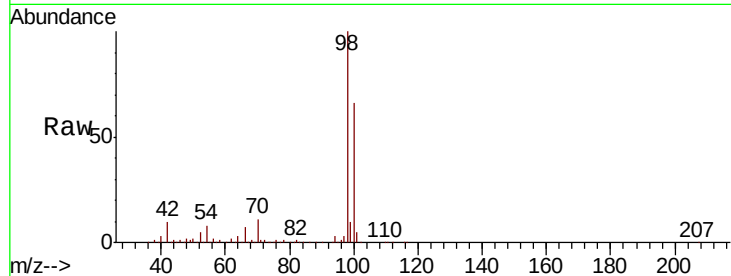




#50
Toluene-d8
Concen: 49.808 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067155.D
Acq: 07 Oct 2020 16:29

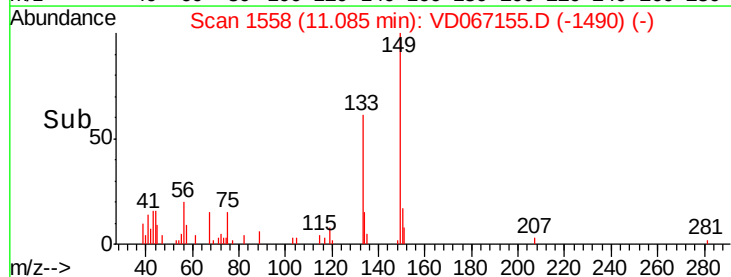
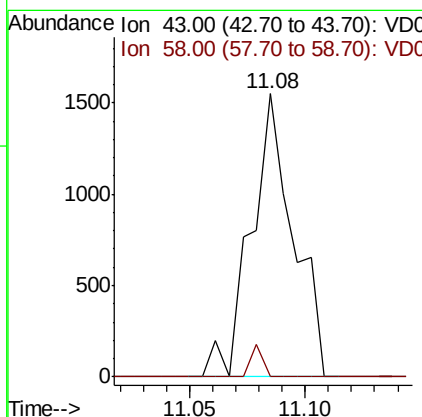
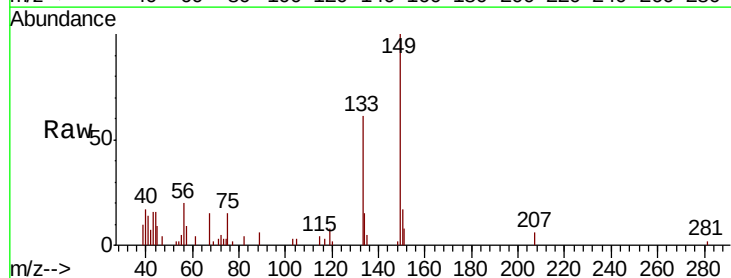
Instrument :
MSVOA_D
ClientSampleId :
SB-9A

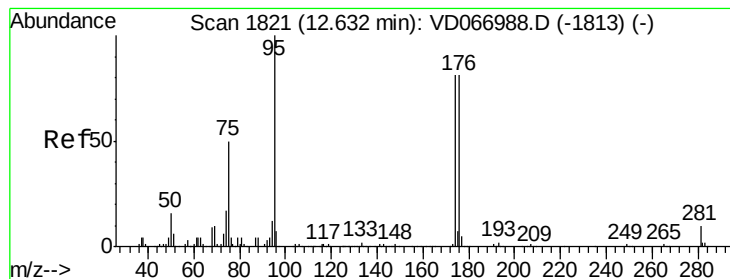
Tot Ion: 98 Resp: 754116
Ion Ratio Lower Upper
98 100
100 65.4 52.8 79.2



#59
2-Hexanone
Concen: 1.574 ug/l
RT: 11.08 min Scan# 1558
Delta R.T. 0.10 min
Lab File: VD067155.D
Acq: 07 Oct 2020 16:29

Tgt Ion: 43 Resp: 1976
Ion Ratio Lower Upper
43 100
58 3.2 28.3 84.9#





#62

4-Bromofluorobenzene

Concen: 49.258 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067155.D

Acq: 07 Oct 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

SB-9A

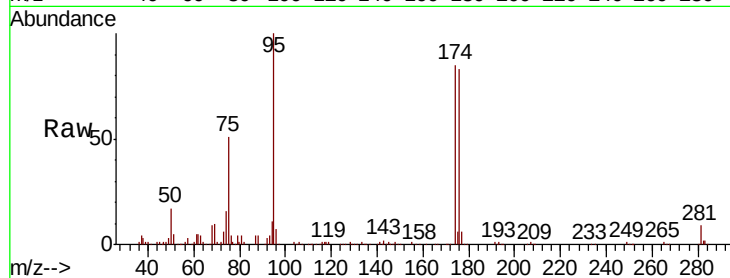
Tot Ion: 95 Resp: 253175

Ion Ratio Lower Upper

95 100

174 86.7 0.0 167.6

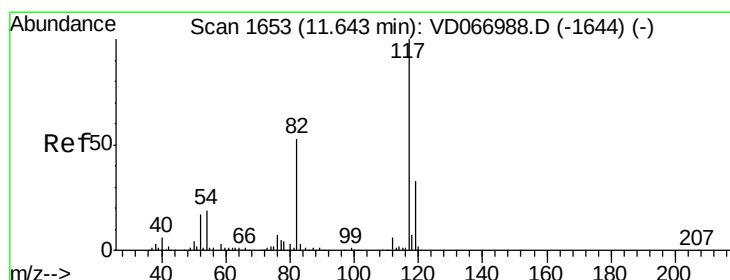
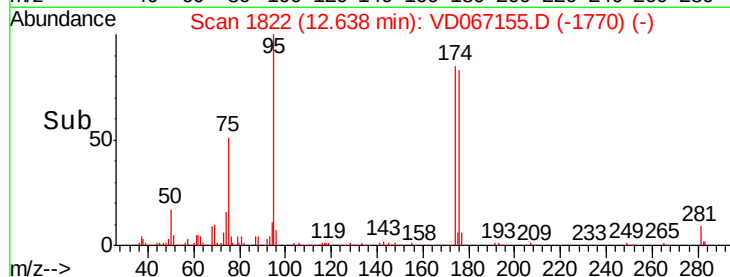
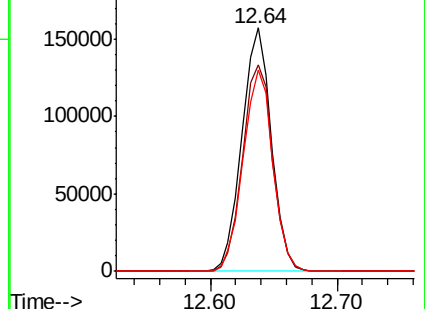
176 83.3 0.0 162.4



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD067155.D

Acq: 07 Oct 2020 16:29

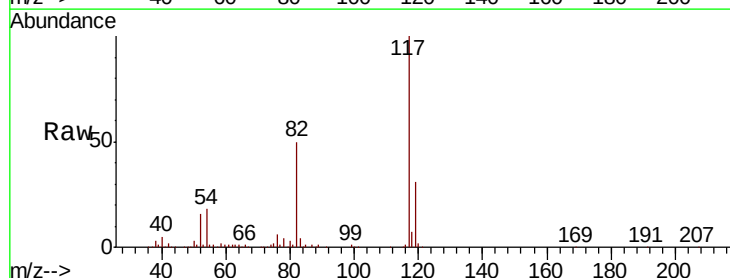
Tgt Ion: 117 Resp: 597526

Ion Ratio Lower Upper

117 100

82 50.3 42.6 63.8

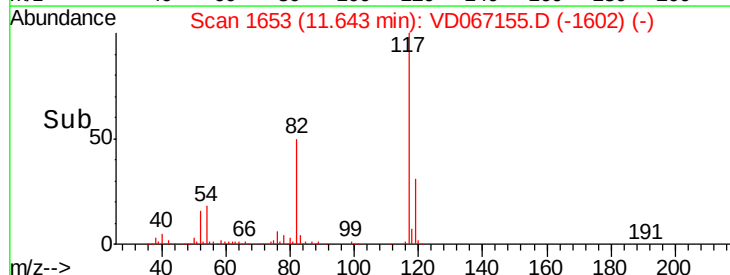
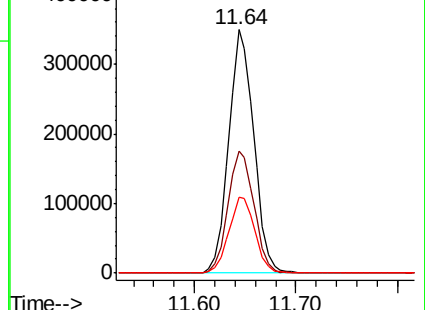
119 31.4 26.3 39.5

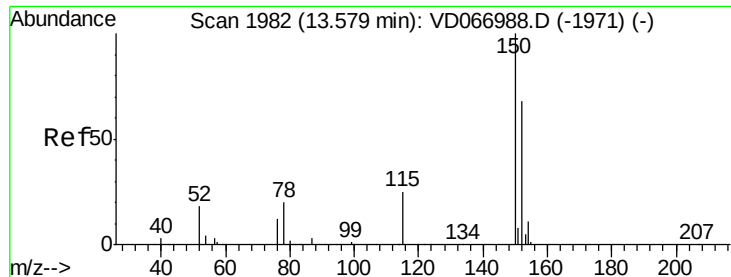


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1983

Delta R.T. 0.01 min

Lab File: VD067155.D

Acq: 07 Oct 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

SB-9A

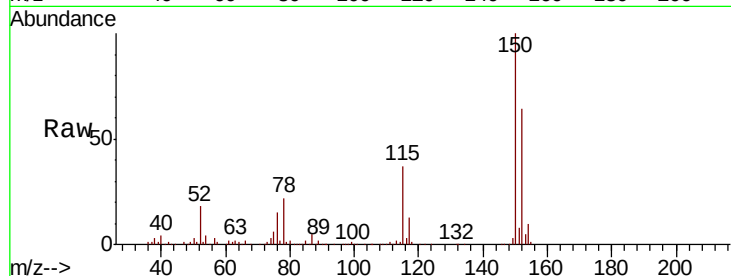
Tot Ion:152 Resp: 285391

Ion Ratio Lower Upper

152 100

115 58.1 29.6 88.8

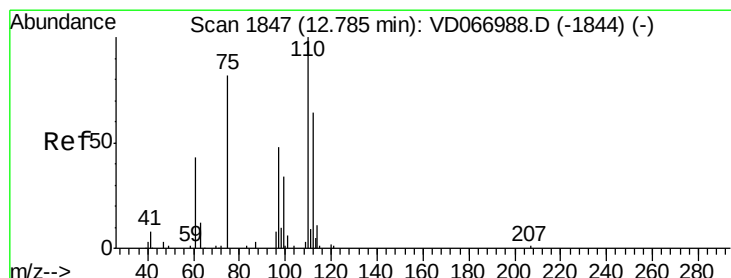
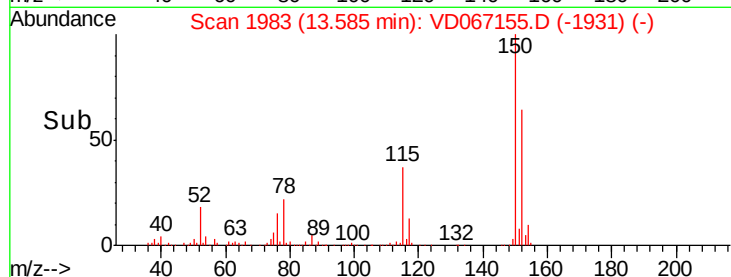
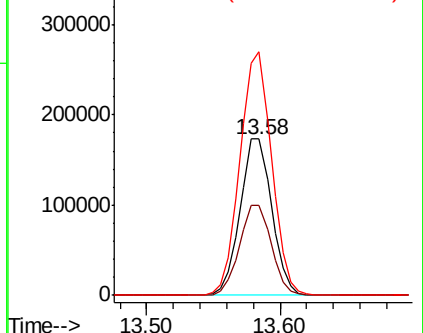
150 155.2 0.0 344.8



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: 51.618 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067155.D

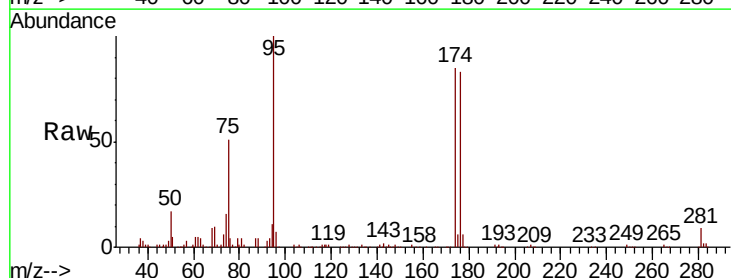
Acq: 07 Oct 2020 16:29

Tgt Ion: 75 Resp: 128315

Ion Ratio Lower Upper

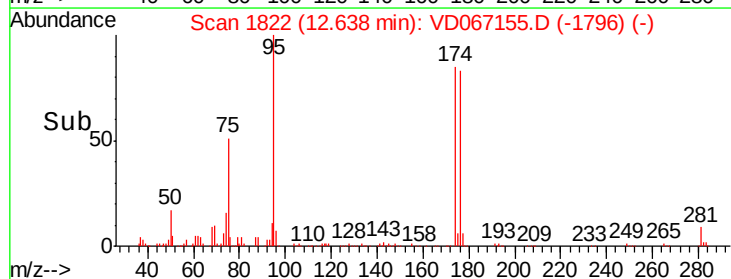
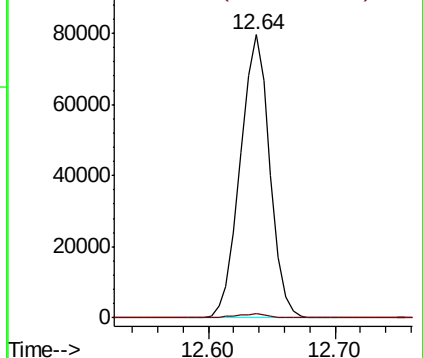
75 100

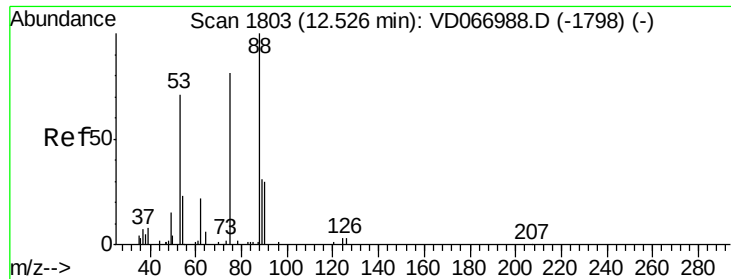
77 1.5 0.0 0.0#



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: 128.691 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067155.D

Acq: 07 Oct 2020 16:29

Instrument :

MSVOA_D

ClientSampleId :

SB-9A

Tot Ion: 75 Resp: 128315

Ion Ratio Lower Upper

75 100

53 0.2 73.8 110.6#

89 0.1 38.9 58.3#

