

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD011720\
 Data File : VD064870.D
 Acq On : 17 Jan 2020 18:36
 Operator : VA/SY
 Sample : L1136-10
 Misc : 5.35G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-8

Quant Time: Jan 17 22:54:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	383411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	637948	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	593483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271510	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	196236	58.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.08%	
35) Dibromofluoromethane	7.92	113	203928	52.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.20%	
50) Toluene-d8	10.34	98	774896	51.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.38%	
62) 4-Bromofluorobenzene	12.64	95	243186	51.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.62%	

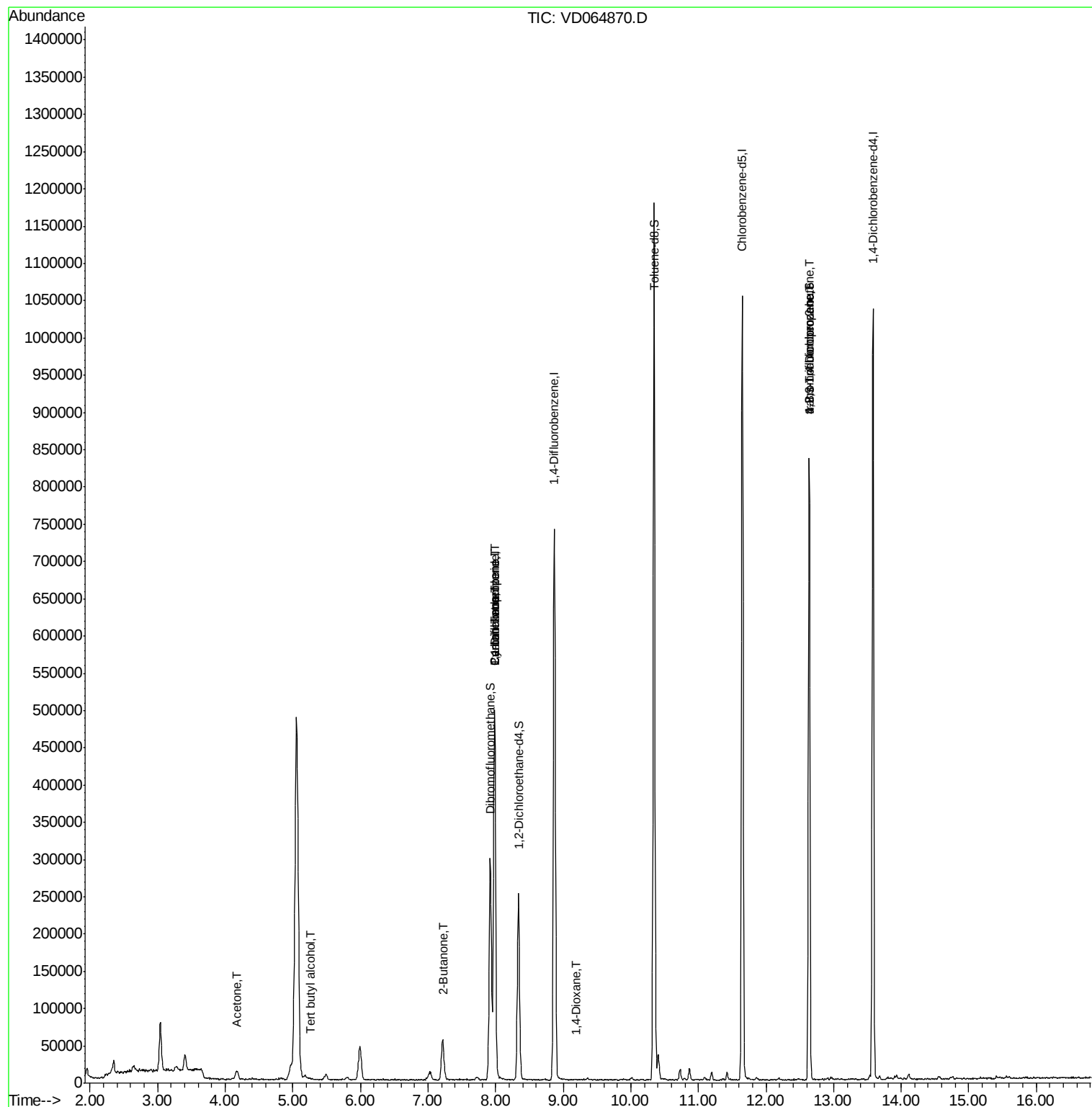
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.26	59	891	4.60	ug/l	# 70
16) Acetone	4.17	43	22698	32.52	ug/l	96
20) Methylene Chloride	4.97	84	11961	Below	Cal	98
25) 2-Butanone	7.23	43	4039	4.35	ug/l	98
31) Cyclohexane	7.98	56	8876	1.41	ug/l	# 5
36) 1,1-Dichloropropene	7.98	75	28189	4.59	ug/l	# 49
38) Carbon Tetrachloride	7.98	117	36414	5.56	ug/l	# 17
49) 1,4-Dioxane	9.18	88	56	2.18	ug/l	# 6
76) 1,2,3-Trichloropropane	12.64	75	131773	61.46	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	131773	128.54	ug/l	# 10

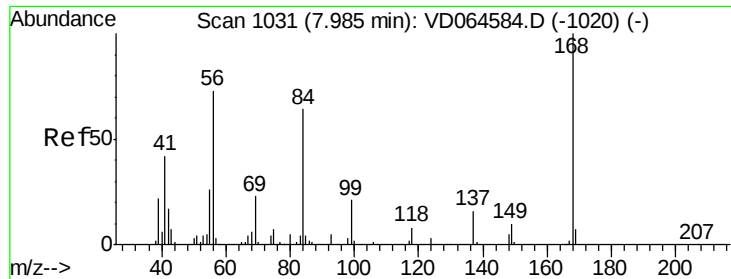
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD011720\
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EP-8

Quant Time: Jan 17 22:54:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064870.D

Acq: 17 Jan 2020 18:36

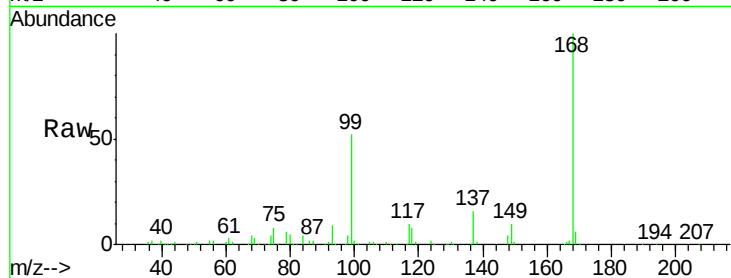
Instrument :
MSVOA_D
ClientSampled :
EP-8

Tgt Ion: 168 Resp: 383411

Ion Ratio Lower Upper

168 100

99 52.3 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

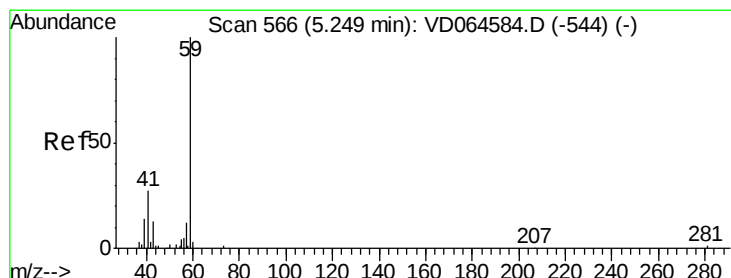
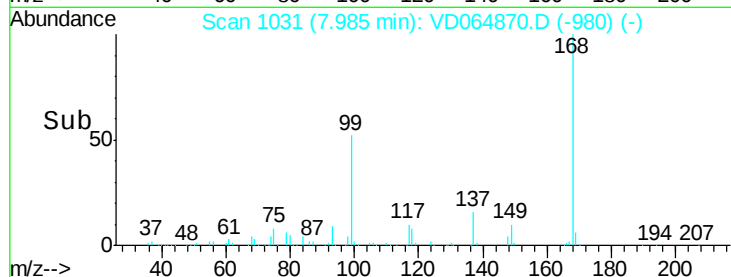
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.60 ug/l

RT: 5.26 min Scan# 568

Delta R.T. 0.01 min

Lab File: VD064870.D

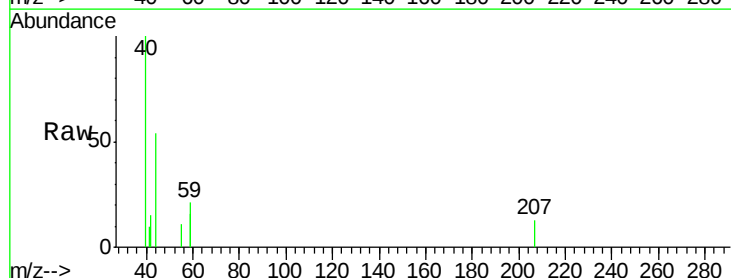
Acq: 17 Jan 2020 18:36

Tgt Ion: 59 Resp: 891

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.26

1000

800

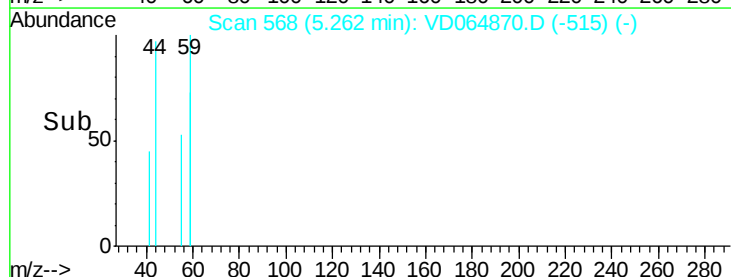
600

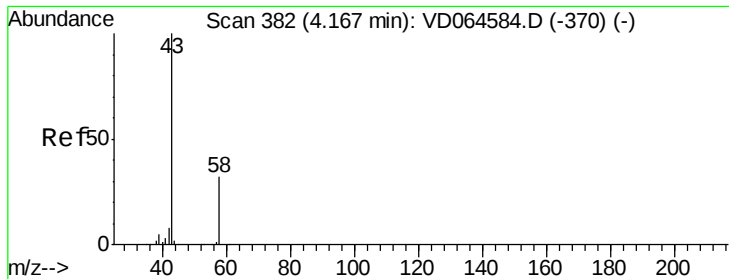
400

200

0

Time-->





#16

Acetone

Concen: 32.52 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064870.D

Acq: 17 Jan 2020 18:36

Instrument :

MSVOA_D

ClientSampleId :

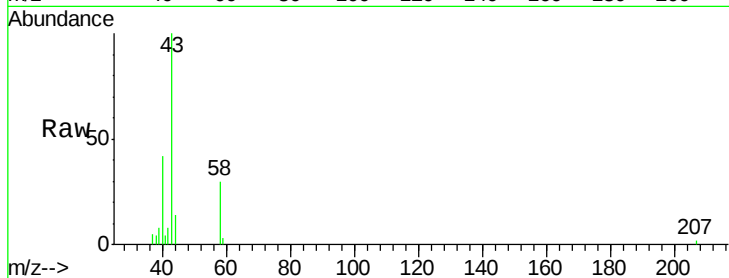
EP-8

Tgt Ion: 43 Resp: 22698

Ion Ratio Lower Upper

43 100

58 30.0 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

8000

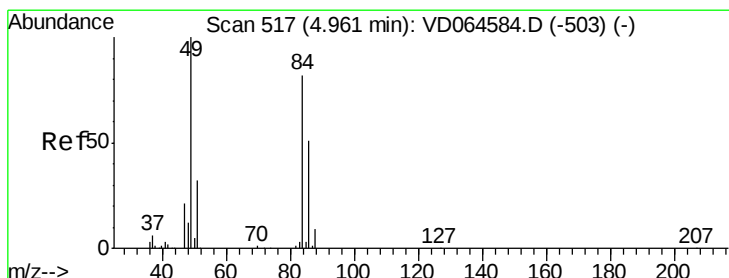
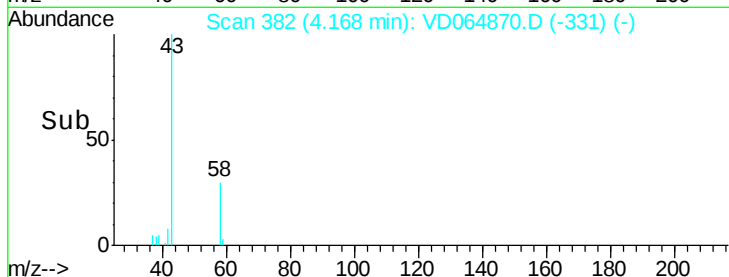
6000

4000

2000

0

Time--> 4.00 4.10 4.20 4.30



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD064870.D

Acq: 17 Jan 2020 18:36

Tgt Ion: 84 Resp: 11961

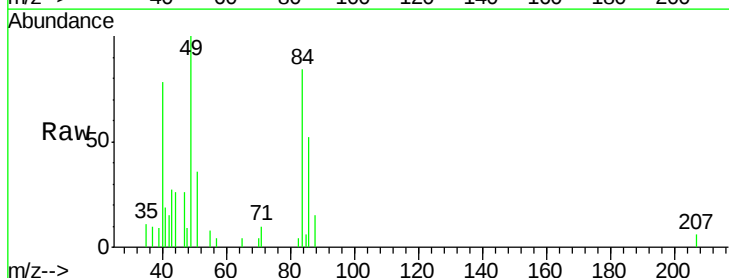
Ion Ratio Lower Upper

84 100

49 119.3 97.2 145.8

51 43.1 31.4 47.0

86 62.4 49.3 73.9



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

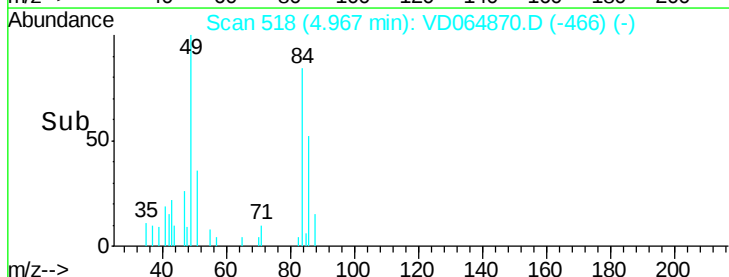
6000

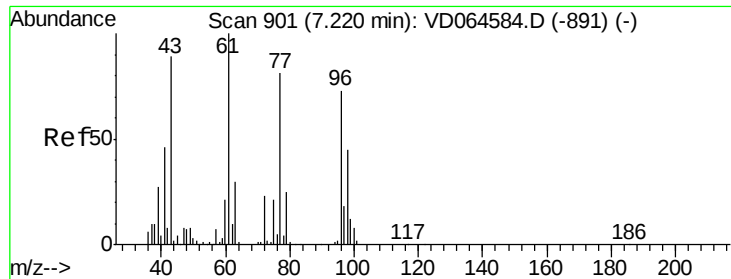
4000

2000

0

Time--> 4.90 5.00 5.10





#25

2-Butanone

Concen: 4.35 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064870.D

Acq: 17 Jan 2020 18:36

Instrument :

MSVOA_D

ClientSampled :

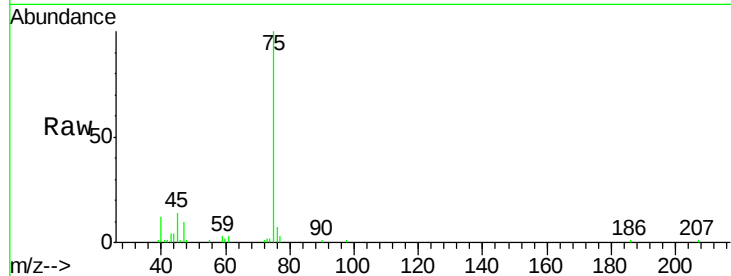
EP-8

Tgt Ion: 43 Resp: 4039

Ion Ratio Lower Upper

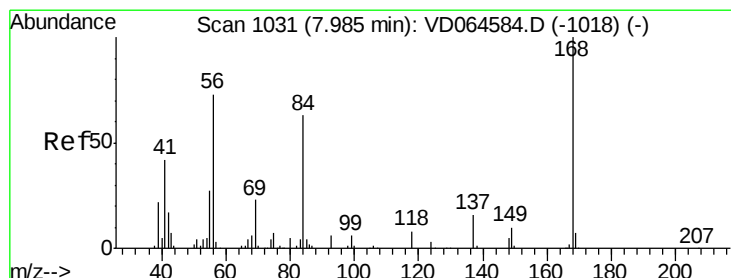
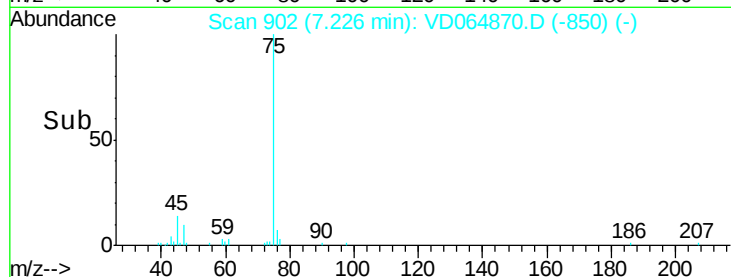
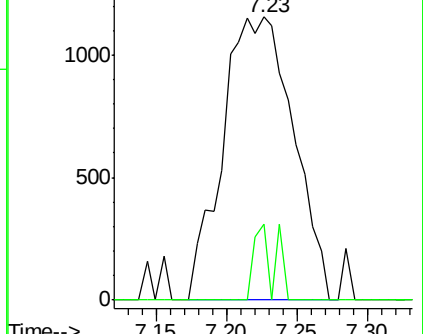
43 100

72 26.8 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.41 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064870.D

Acq: 17 Jan 2020 18:36

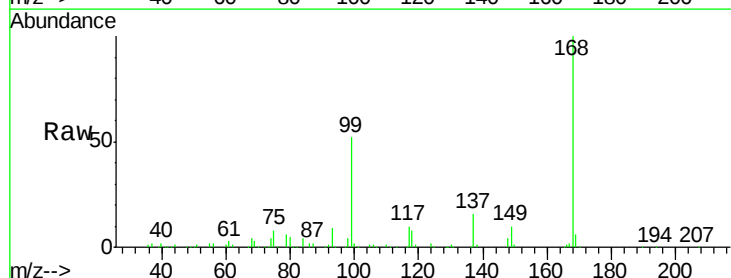
Tgt Ion: 56 Resp: 8876

Ion Ratio Lower Upper

56 100

69 138.4 24.7 37.1#

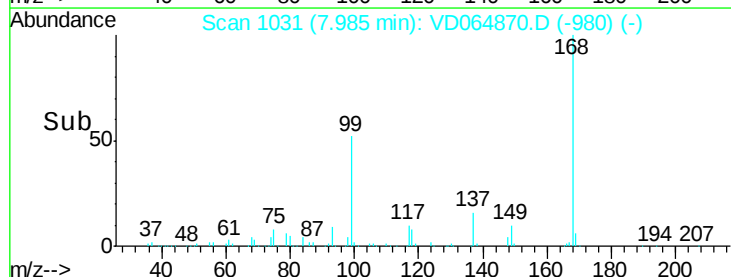
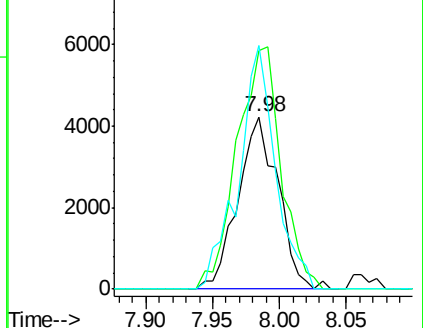
84 141.2 69.4 104.2#

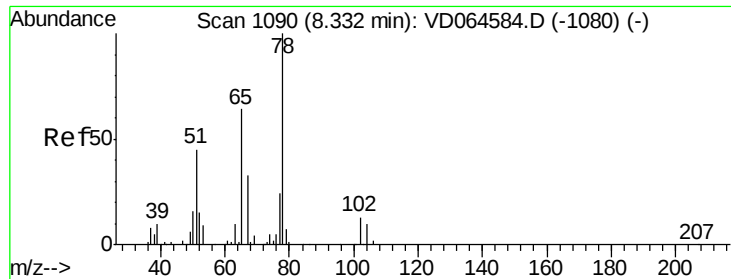


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 58.04 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064870.D

Acq: 17 Jan 2020 18:36

Instrument :

MSVOA_D

ClientSampled :

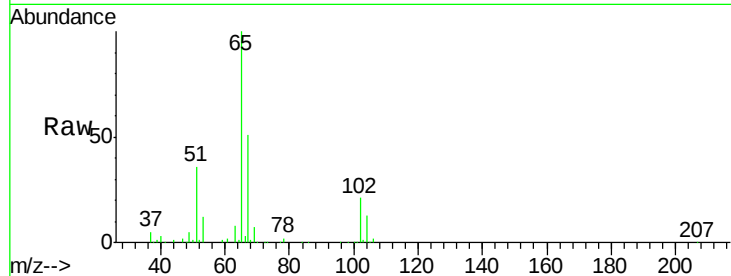
EP-8

Tgt Ion: 65 Resp: 196236

Ion Ratio Lower Upper

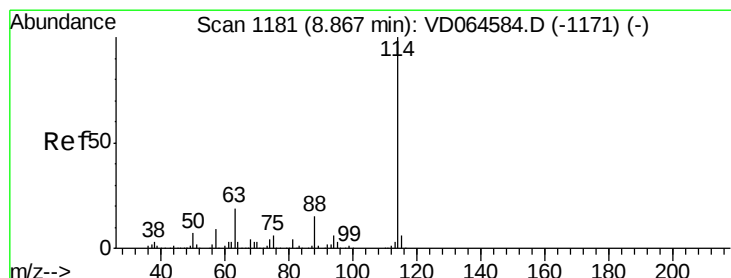
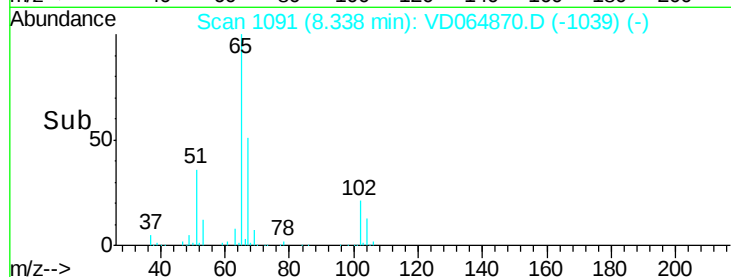
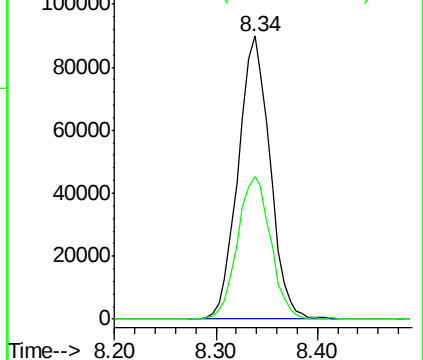
65 100

67 52.3 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064870.D

Acq: 17 Jan 2020 18:36

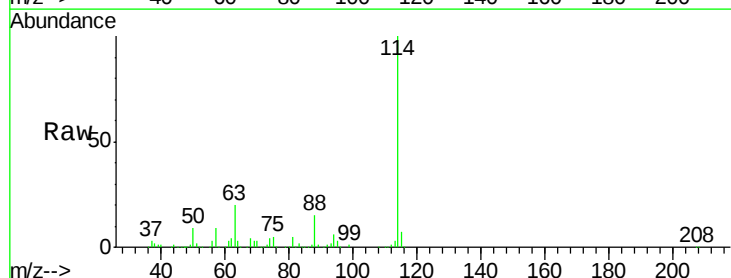
Tgt Ion: 114 Resp: 637948

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.0

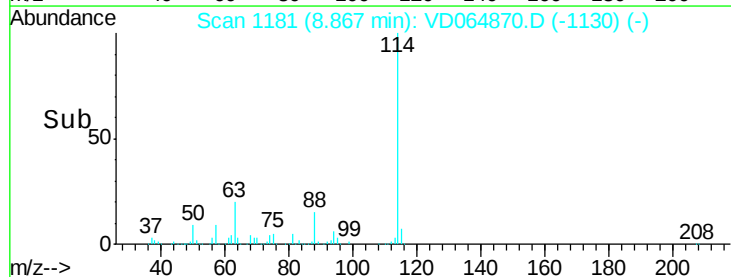
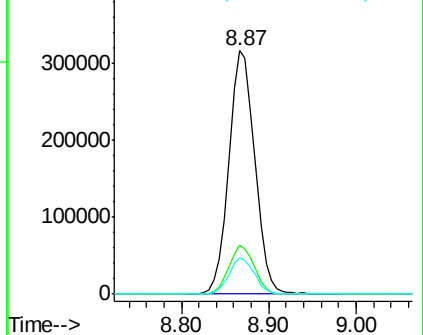
88 14.7 0.0 29.2

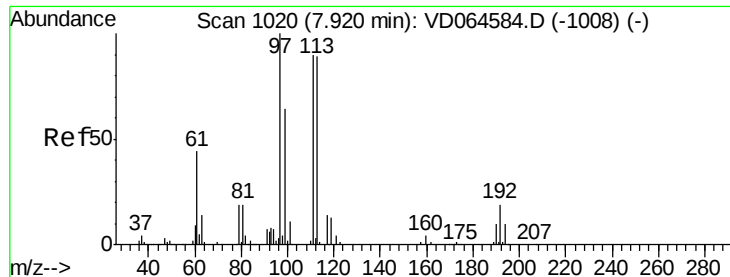


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

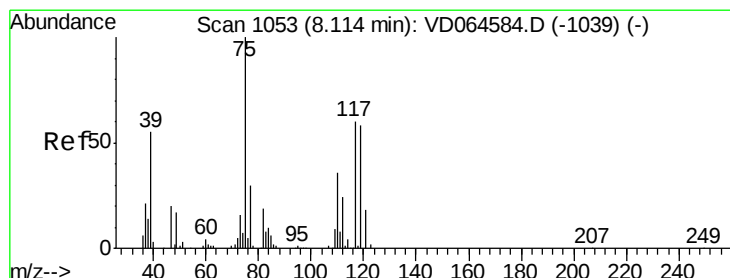
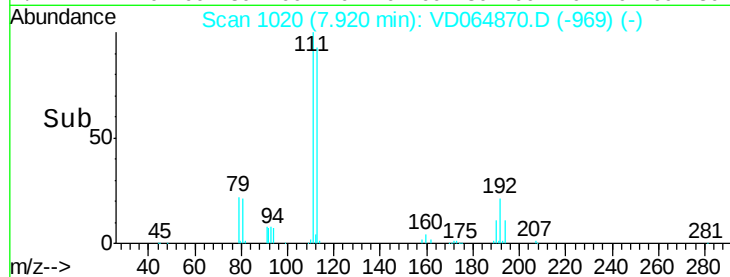
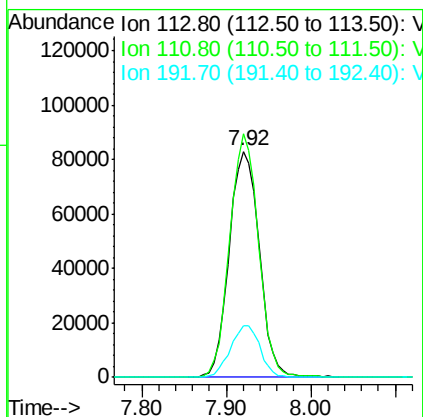
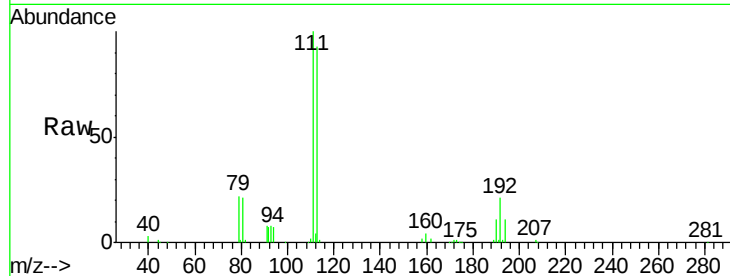




#35
 Dibromofluoromethane
 Concen: 52.10 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064870.D
 Acq: 17 Jan 2020 18:36

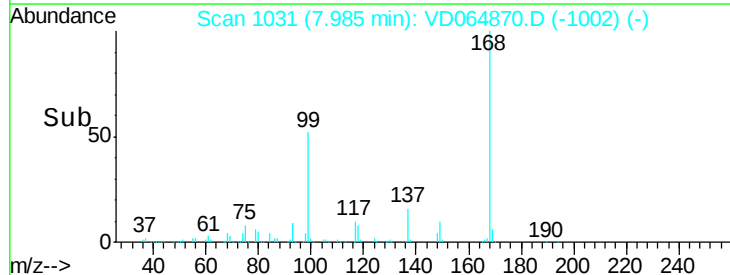
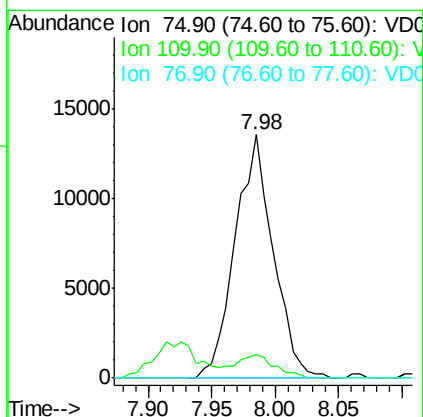
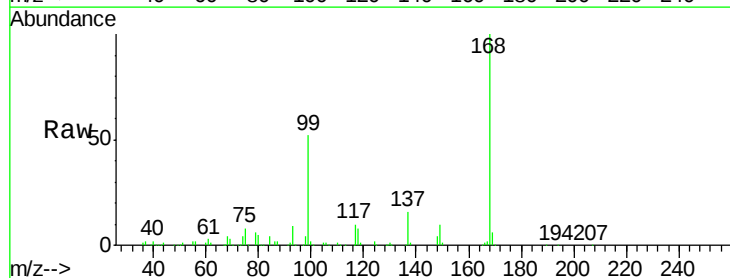
Instrument :
 MSVOA_D
 ClientSampleId :
 EP-8

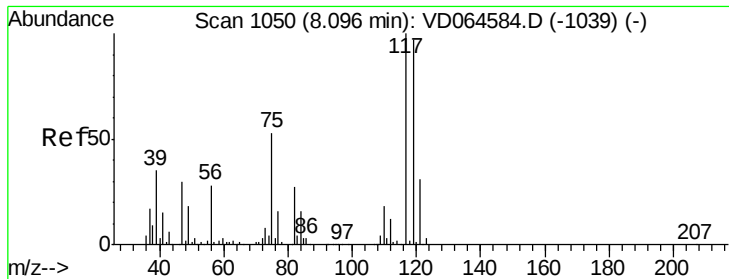
Tgt Ion: 113 Resp: 203928
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.6 121.0
 192 22.5 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 4.59 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064870.D
 Acq: 17 Jan 2020 18:36

Tgt Ion: 75 Resp: 28189
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.1 54.1#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 5.56 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064870.D

Acq: 17 Jan 2020 18:36

Instrument :

MSVOA_D

ClientSampled :

EP-8

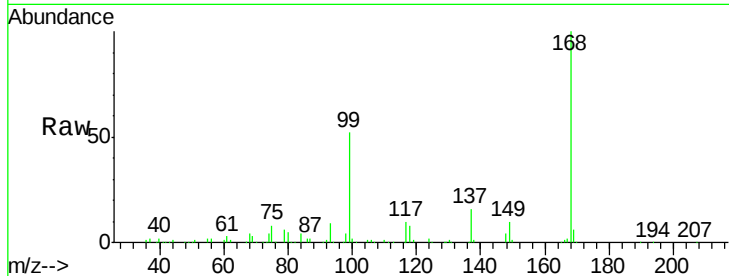
Tgt Ion:117 Resp: 36414

Ion Ratio Lower Upper

117 100

119 7.3 77.3 115.9#

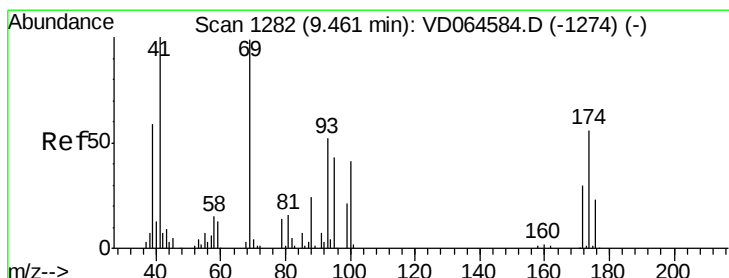
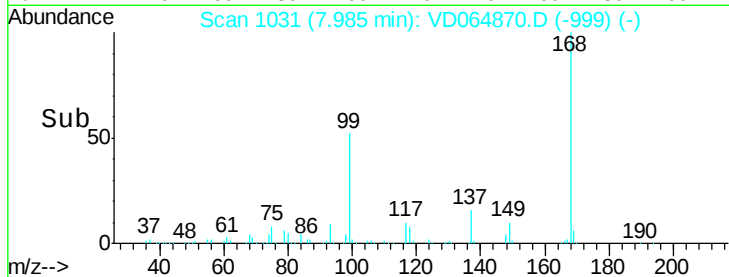
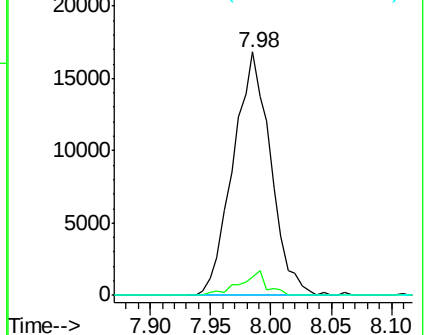
121 0.0 25.0 37.6#



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: 2.18 ug/l

RT: 9.18 min Scan# 1235

Delta R.T. -0.28 min

Lab File: VD064870.D

Acq: 17 Jan 2020 18:36

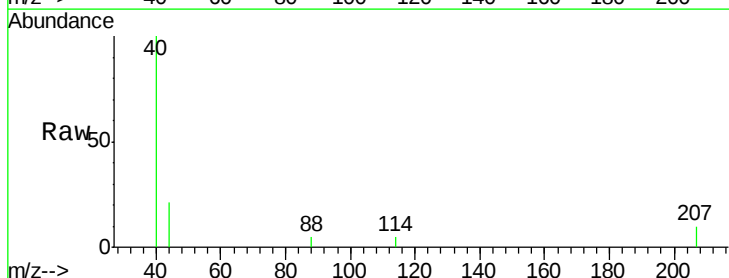
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 100.0 27.7 41.5#

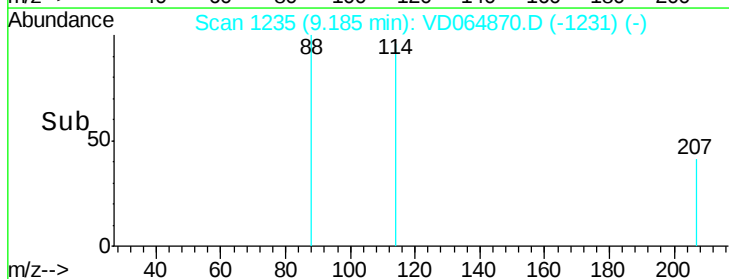
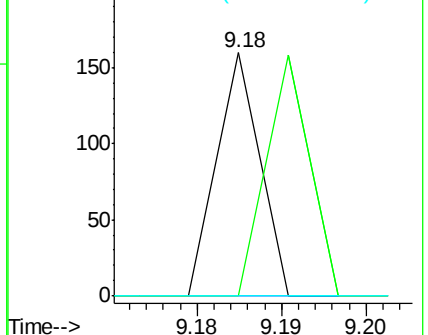
58 0.0 53.8 80.6#

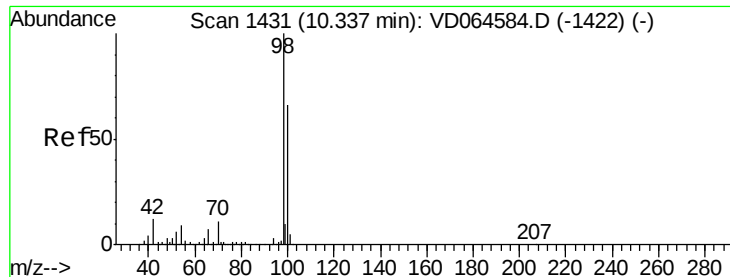


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#50

Toluene-d8

Concen: 51.69 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064870.D

Acq: 17 Jan 2020 18:36

Instrument :

MSVOA_D

ClientSampleId :

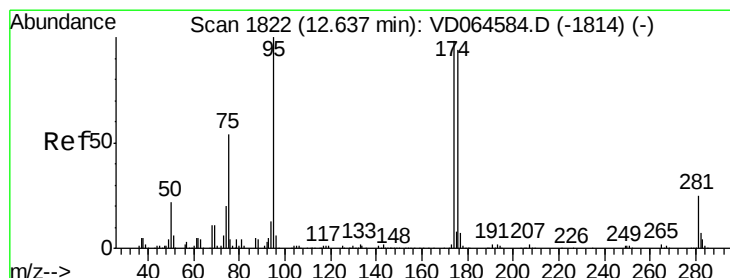
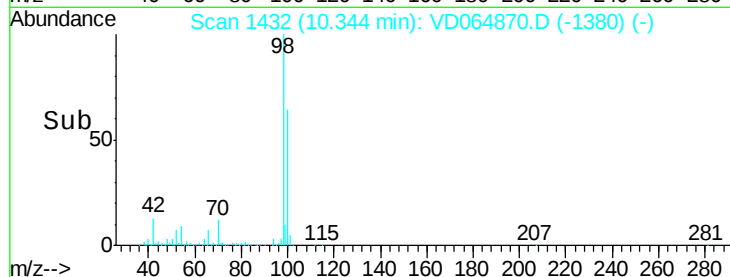
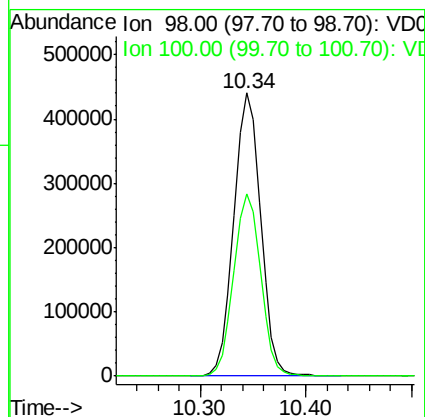
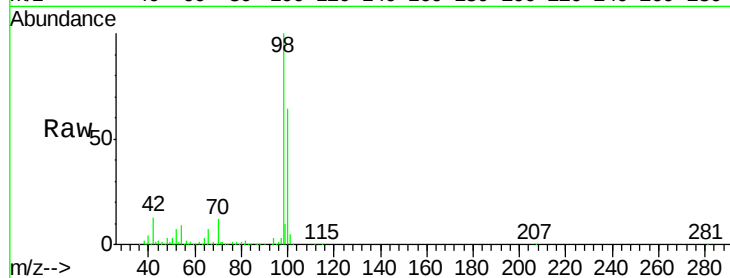
EP-8

Tgt Ion: 98 Resp: 774896

Ion Ratio Lower Upper

98 100

100 64.7 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 51.31 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064870.D

Acq: 17 Jan 2020 18:36

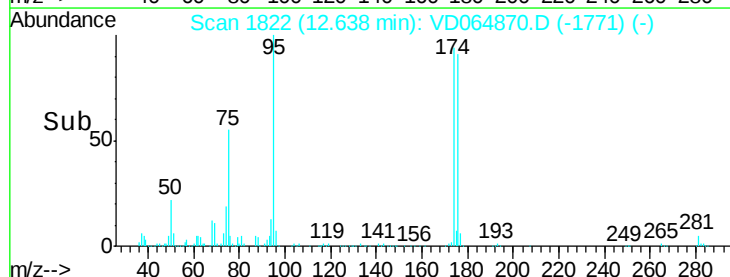
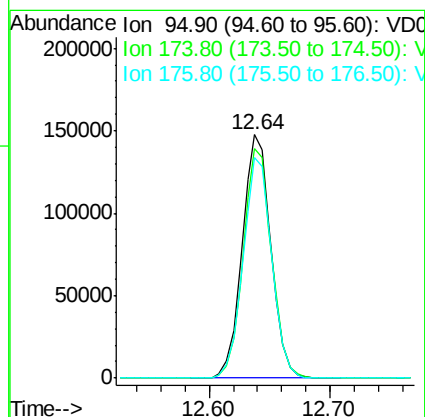
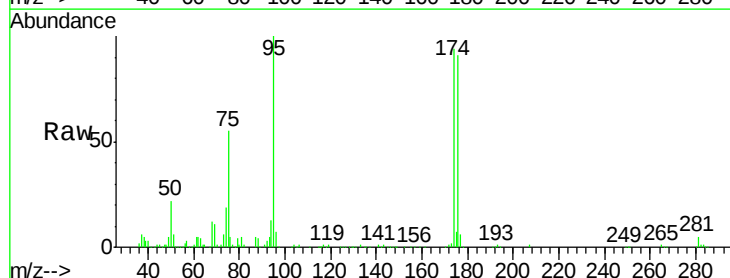
Tgt Ion: 95 Resp: 243186

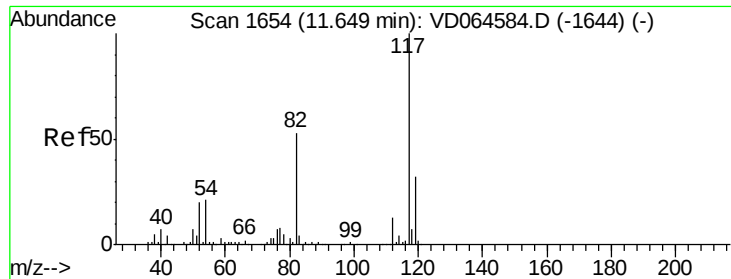
Ion Ratio Lower Upper

95 100

174 93.6 0.0 193.2

176 90.5 0.0 184.2

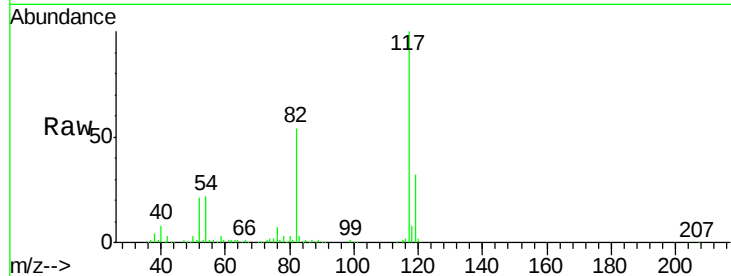




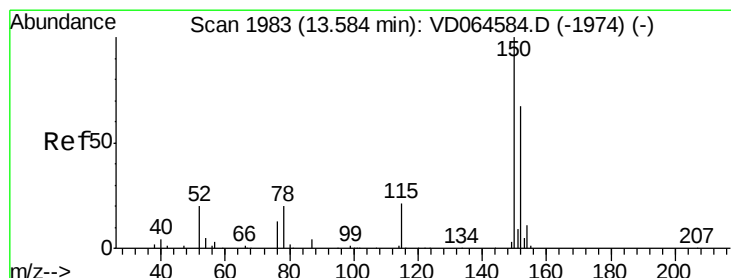
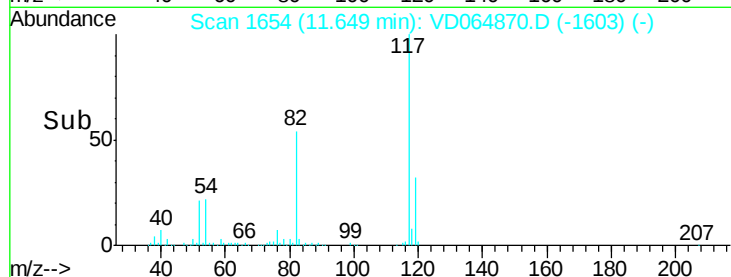
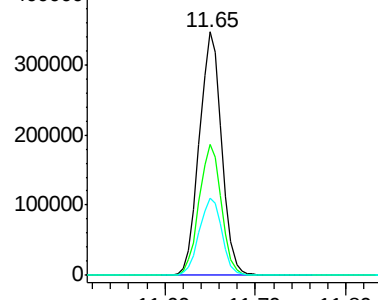
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064870.D
Acq: 17 Jan 2020 18:36

Instrument :
MSVOA_D
ClientSampleId :
EP-8

Tgt Ion:117 Resp: 593483
Ion Ratio Lower Upper
117 100
82 53.9 42.2 63.4
119 31.6 26.0 39.0

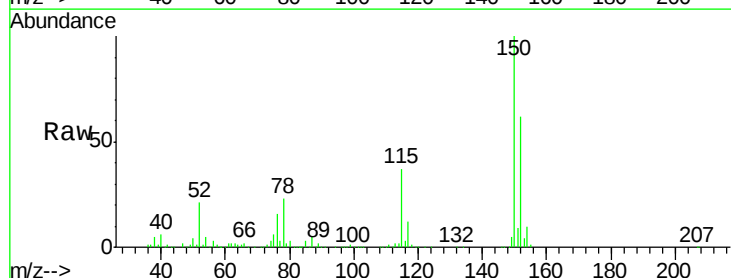


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

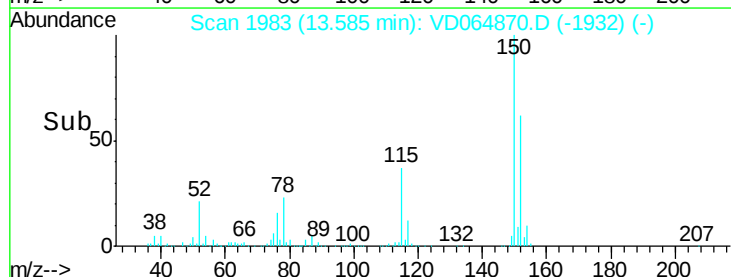
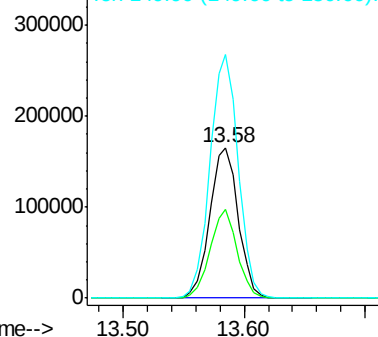


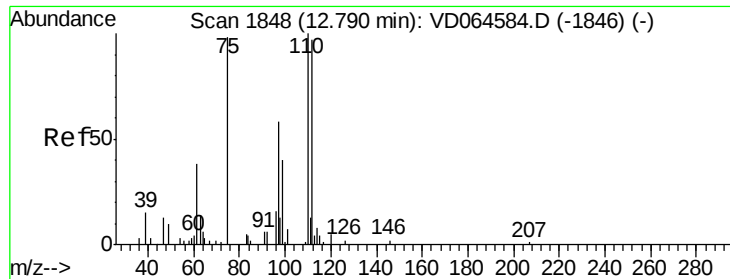
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064870.D
Acq: 17 Jan 2020 18:36

Tgt Ion:152 Resp: 271510
Ion Ratio Lower Upper
152 100
115 56.0 27.8 83.4
150 160.6 0.0 351.4



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: 61.46 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064870.D

Acq: 17 Jan 2020 18:36

Instrument :

MSVOA_D

ClientSampleId :

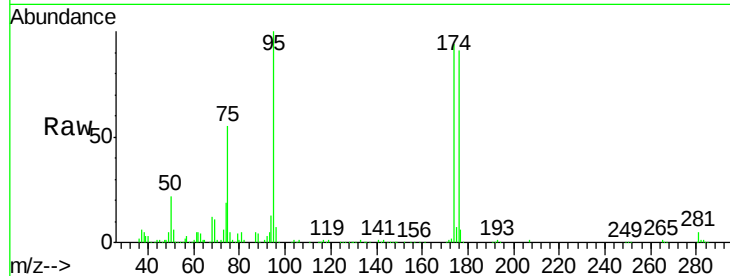
EP-8

Tgt Ion: 75 Resp: 131773

Ion Ratio Lower Upper

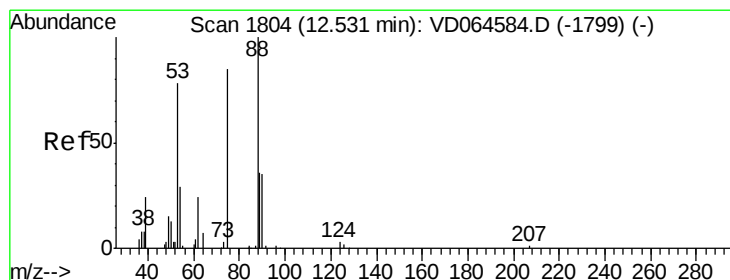
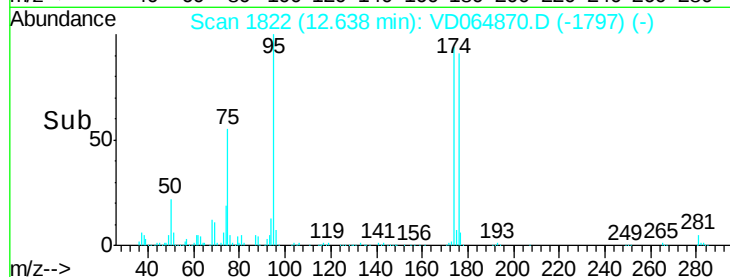
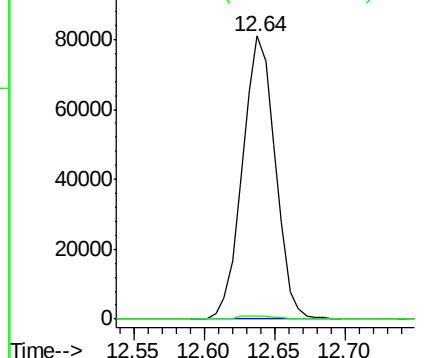
75 100

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: 128.54 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064870.D

Acq: 17 Jan 2020 18:36

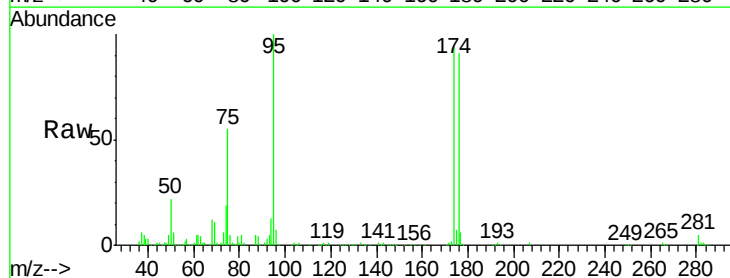
Tgt Ion: 75 Resp: 131773

Ion Ratio Lower Upper

75 100

53 0.1 78.8 118.2#

89 0.1 38.3 57.5#



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

