

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD011720\
 Data File : VD064873.D
 Acq On : 17 Jan 2020 20:02
 Operator : VA/SY
 Sample : L1136-13
 Misc : 5.26G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-11

Quant Time: Jan 17 22:55:46 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	372790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	614843	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	580015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	269326	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	192135	58.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.90%	
35) Dibromofluoromethane	7.92	113	198493	52.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.24%	
50) Toluene-d8	10.34	98	758480	52.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.64	95	236222	51.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.42%	

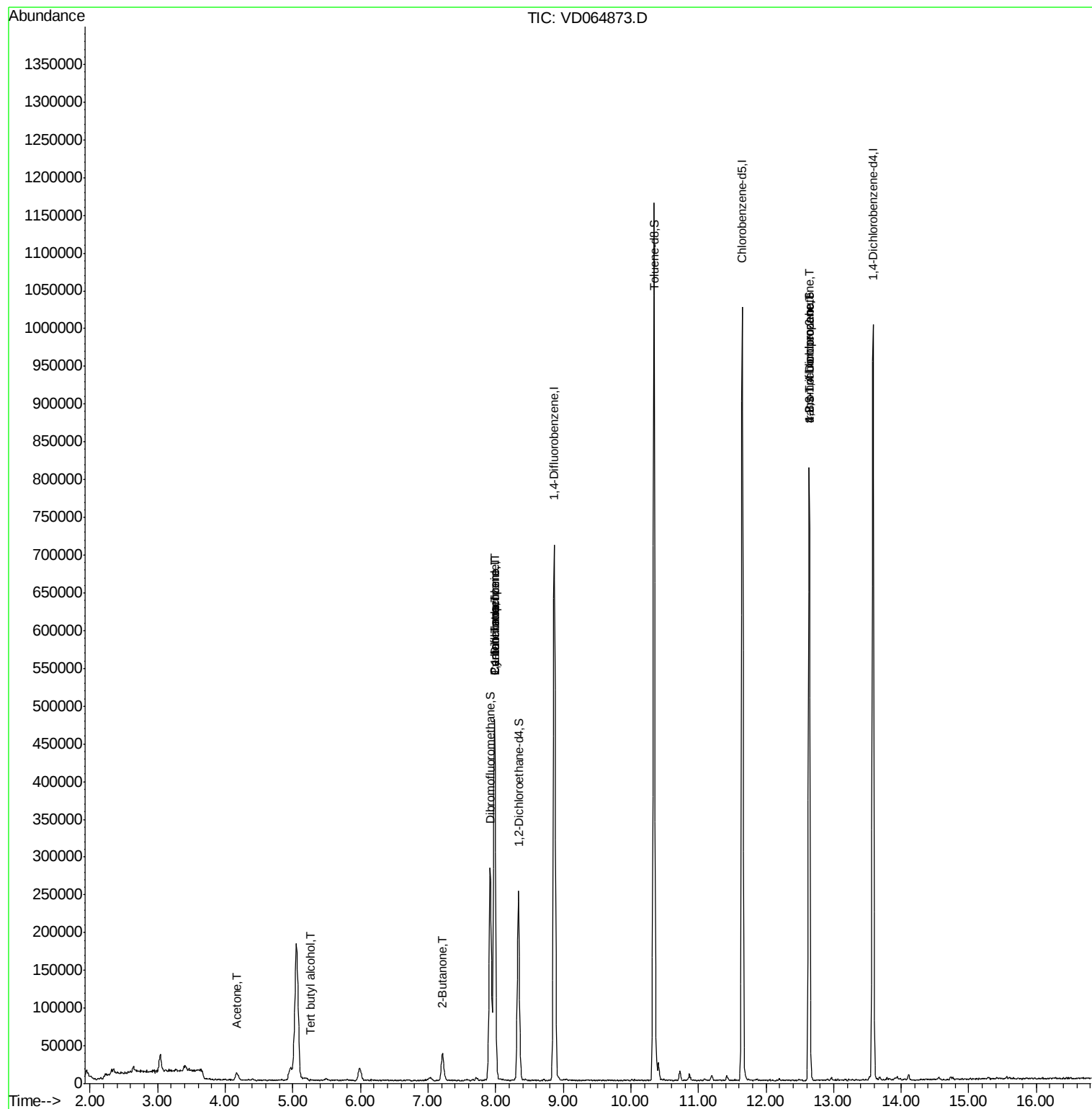
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.27	59	200	1.06	ug/l #	70
16) Acetone	4.17	43	18098	27.37	ug/l #	81
20) Methylene Chloride	4.97	84	11495	Below Cal		99
25) 2-Butanone	7.22	43	2291	2.54	ug/l	93
31) Cyclohexane	7.98	56	8199	1.34	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	26588	4.49	ug/l #	49
38) Carbon Tetrachloride	7.98	117	36504	5.78	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	126294	59.38	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	126294	124.20	ug/l #	10

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

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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# 1030

Delta R.T. -0.01 min

Lab File: VD064873.D

Acq: 17 Jan 2020 20:02

Instrument :

MSVOA_D

ClientSampled :

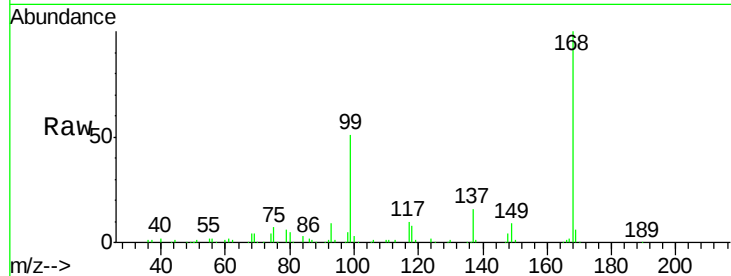
EP-11

Tgt Ion:168 Resp: 372790

Ion Ratio Lower Upper

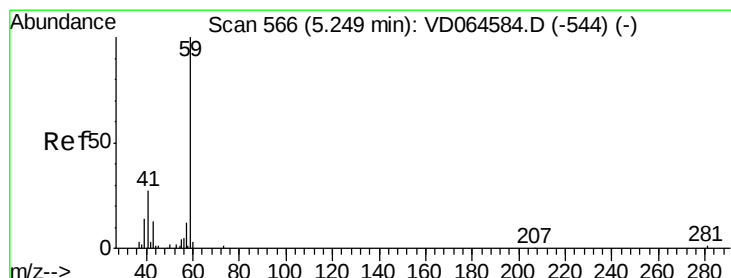
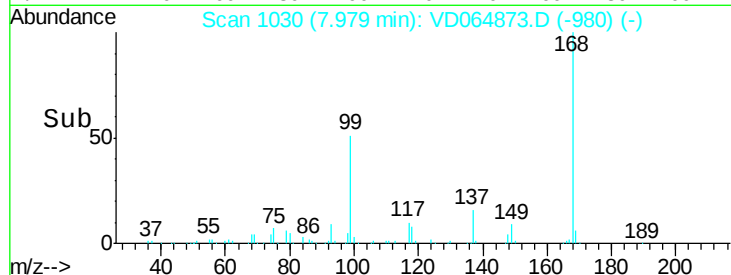
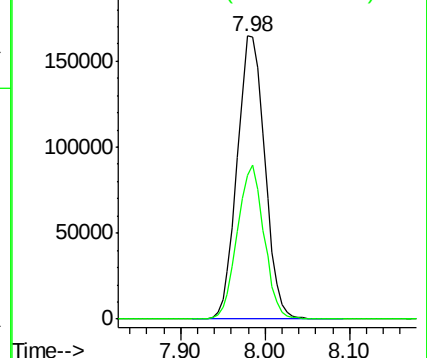
168 100

99 50.9 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 1.06 ug/l

RT: 5.27 min Scan# 570

Delta R.T. 0.02 min

Lab File: VD064873.D

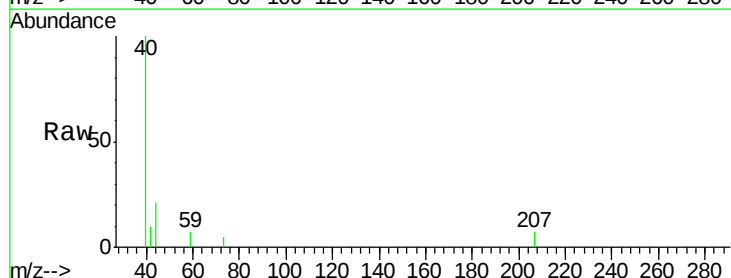
Acq: 17 Jan 2020 20:02

Tgt Ion: 59 Resp: 200

Ion Ratio Lower Upper

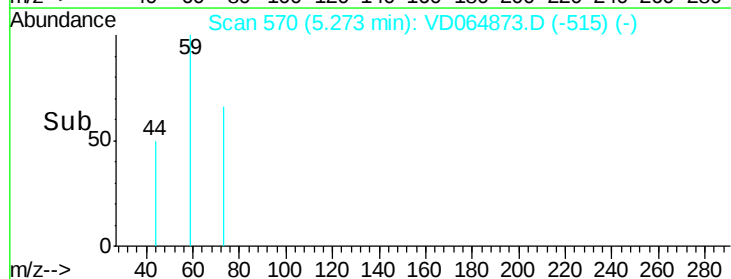
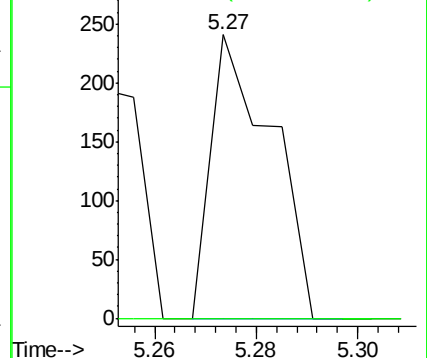
59 100

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





#16

Acetone

Concen: 27.37 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064873.D

Acq: 17 Jan 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

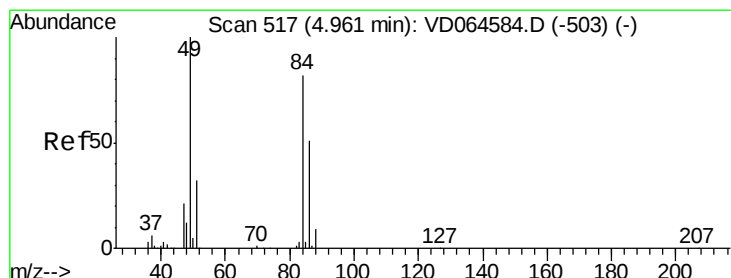
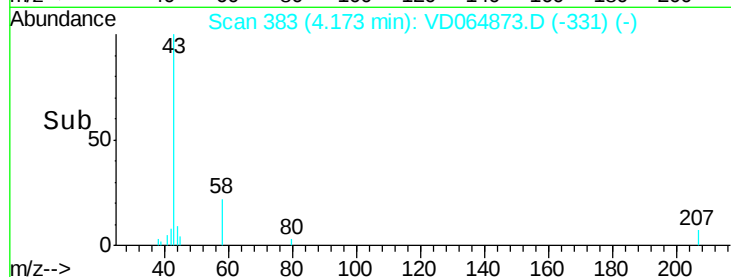
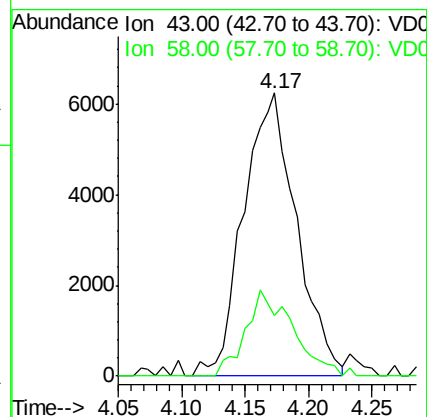
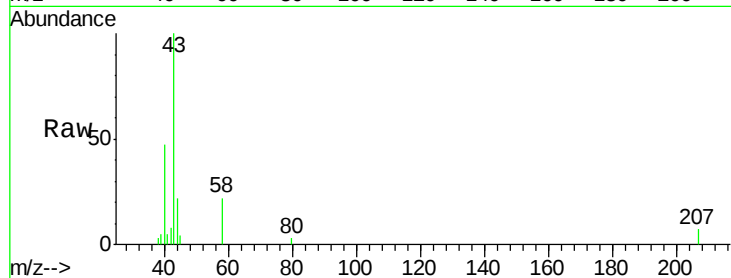
EP-11

Tgt Ion: 43 Resp: 18098

Ion Ratio Lower Upper

43 100

58 21.6 25.8 38.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD064873.D

Acq: 17 Jan 2020 20:02

Tgt Ion: 84 Resp: 11495

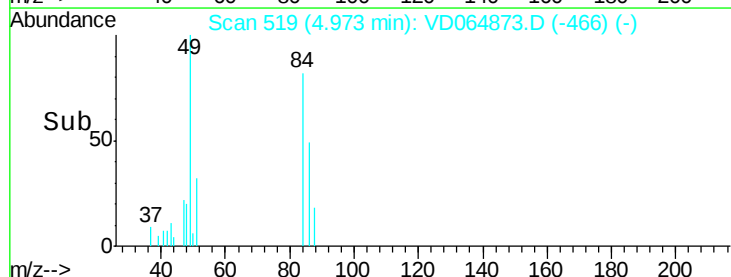
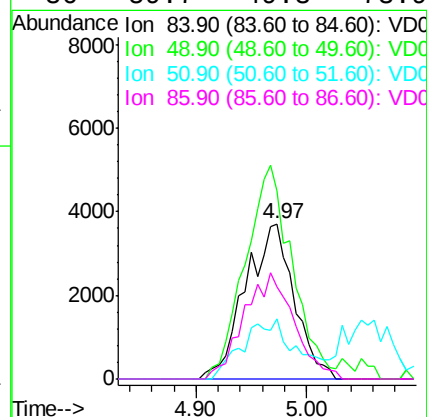
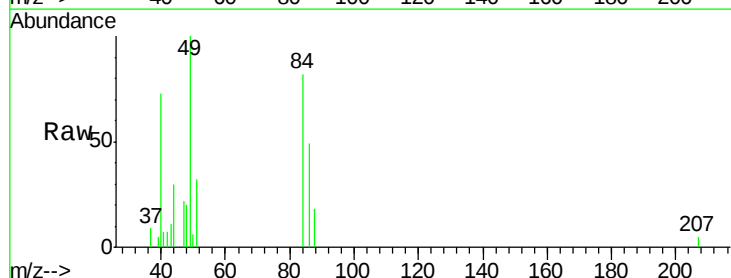
Ion Ratio Lower Upper

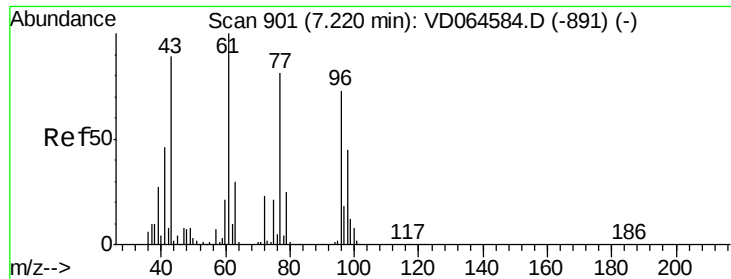
84 100

49 121.4 97.2 145.8

51 38.9 31.4 47.0

86 59.7 49.3 73.9

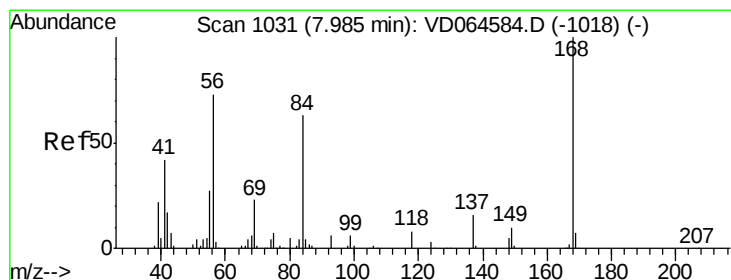
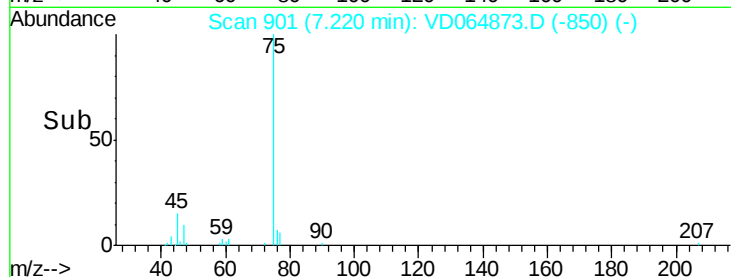
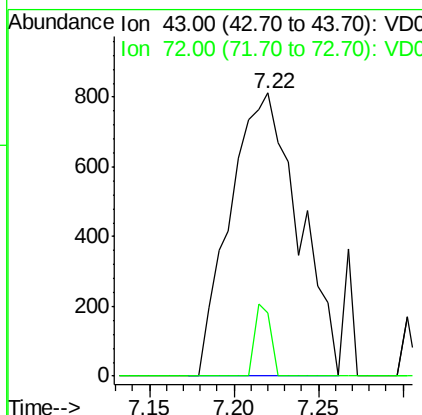
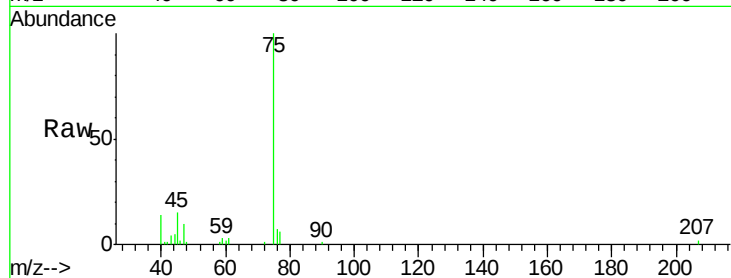




#25
2-Butanone
Concen: 2.54 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD064873.D
Acq: 17 Jan 2020 20:02

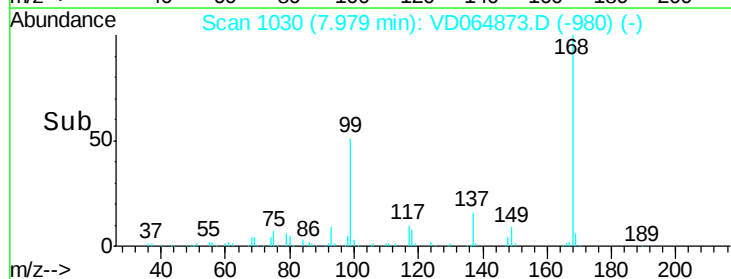
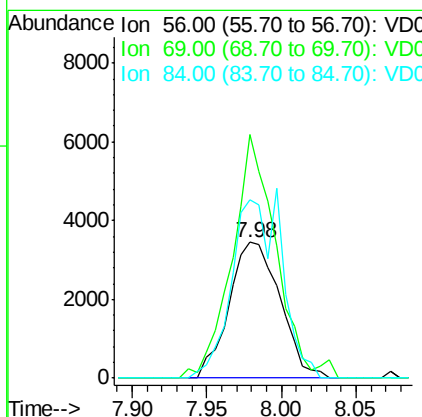
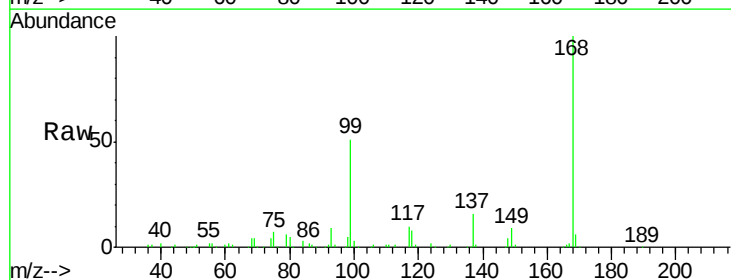
Instrument :
MSVOA_D
ClientSampled :
EP-11

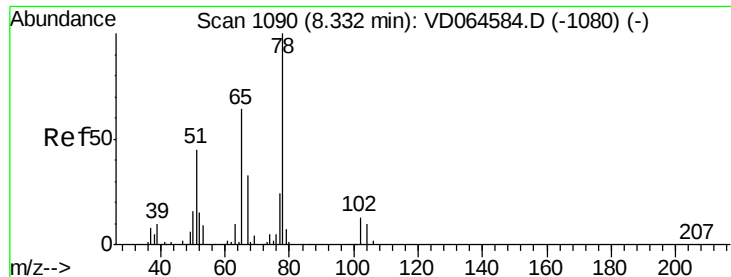
Tgt Ion: 43 Resp: 2291
Ion Ratio Lower Upper
43 100
72 22.4 20.7 31.1



#31
Cyclohexane
Concen: 1.34 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064873.D
Acq: 17 Jan 2020 20:02

Tgt Ion: 56 Resp: 8199
Ion Ratio Lower Upper
56 100
69 179.4 24.7 37.1#
84 131.4 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 58.45 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064873.D

Acq: 17 Jan 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

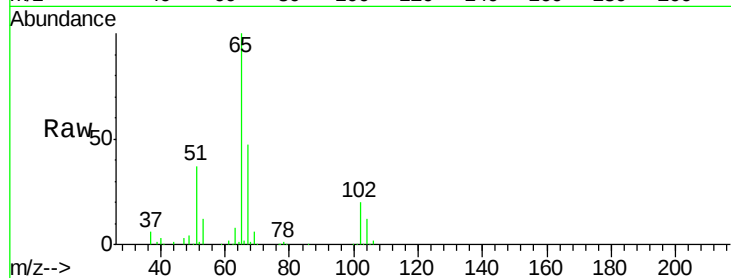
EP-11

Tgt Ion: 65 Resp: 192135

Ion Ratio Lower Upper

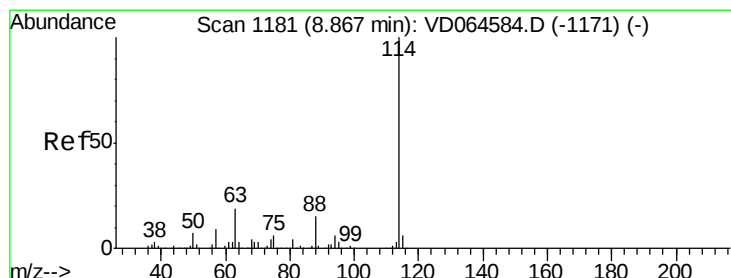
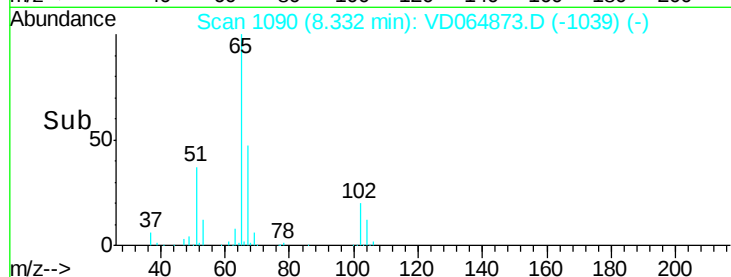
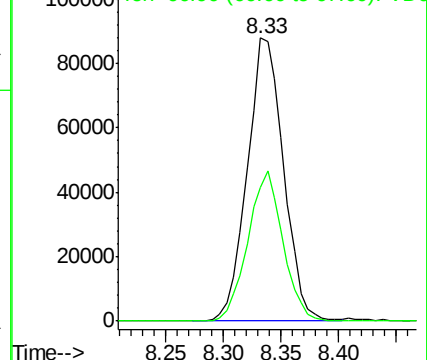
65 100

67 51.3 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: VD064873.D

Acq: 17 Jan 2020 20:02

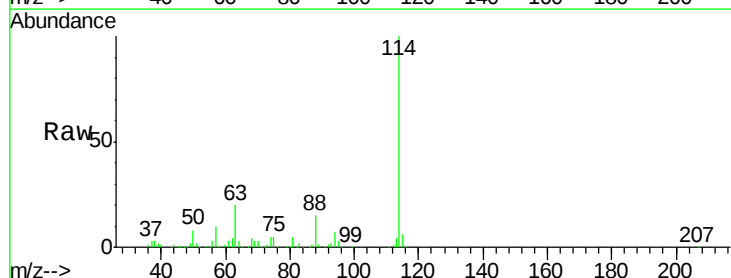
Tgt Ion: 114 Resp: 614843

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.0

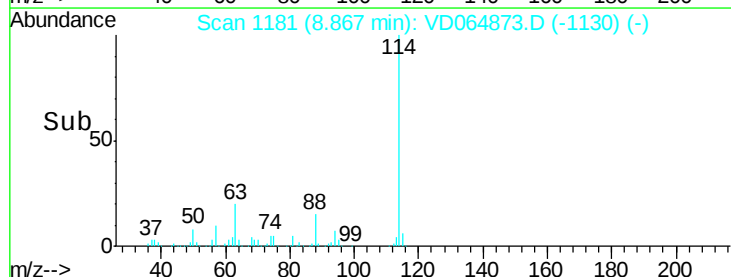
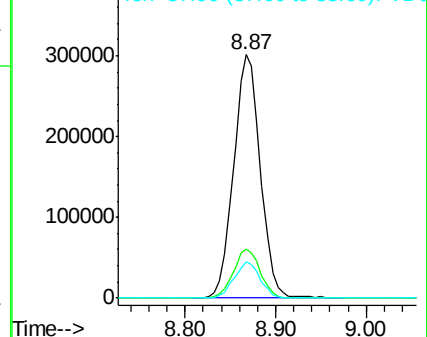
88 14.9 0.0 29.2

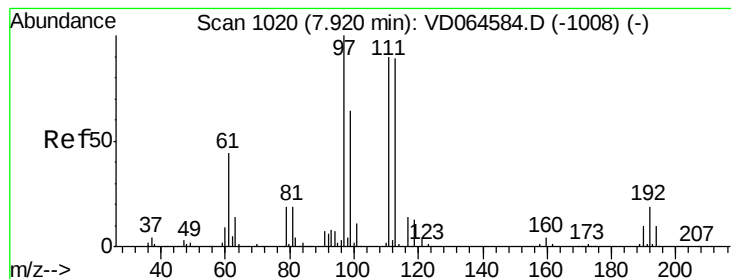


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 52.62 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064873.D

Acq: 17 Jan 2020 20:02

Instrument :

MSVOA_D

ClientSampled :

EP-11

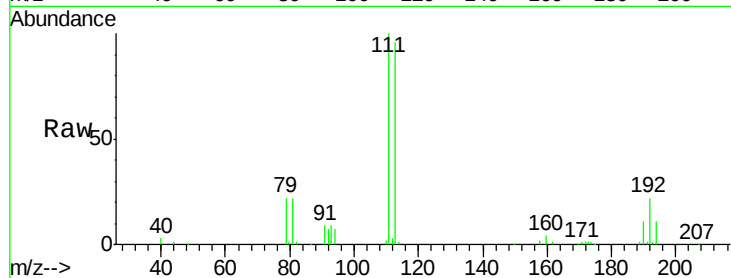
Tgt Ion:113 Resp: 198493

Ion Ratio Lower Upper

113 100

111 102.0 80.6 121.0

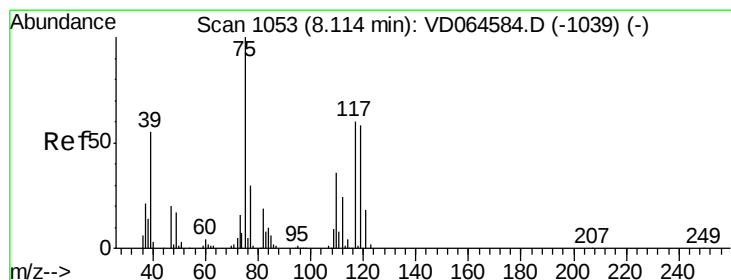
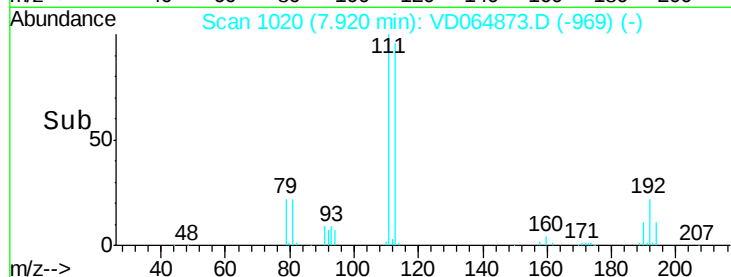
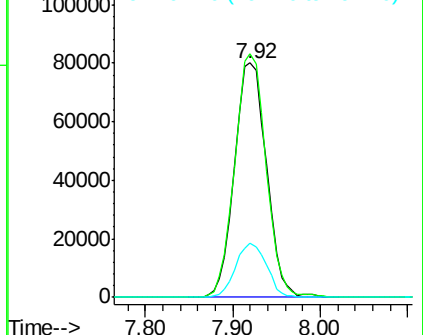
192 22.1 17.9 26.9



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



#36

1,1-Dichloropropene

Concen: 4.49 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064873.D

Acq: 17 Jan 2020 20:02

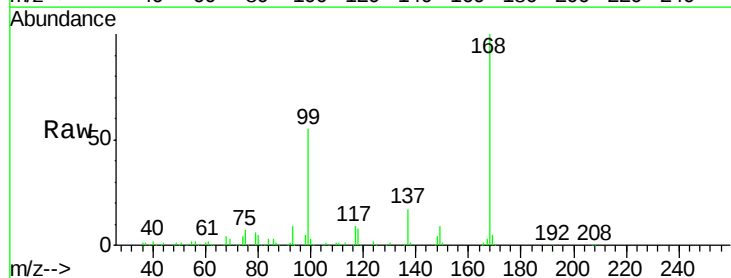
Tgt Ion: 75 Resp: 26588

Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.1#

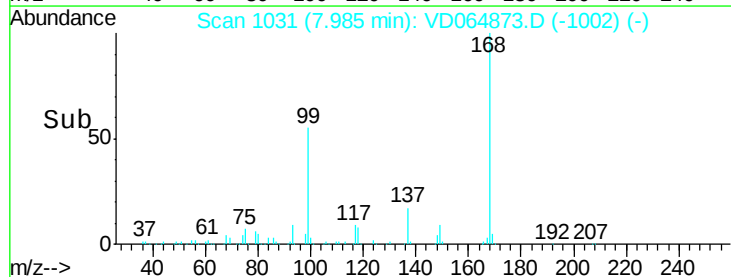
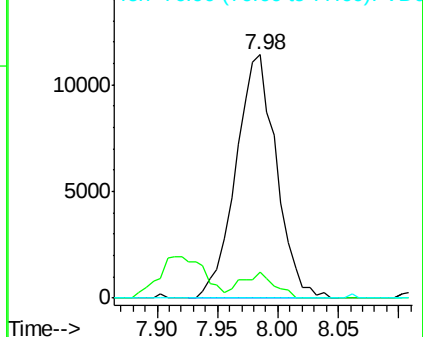
77 0.0 24.2 36.4#

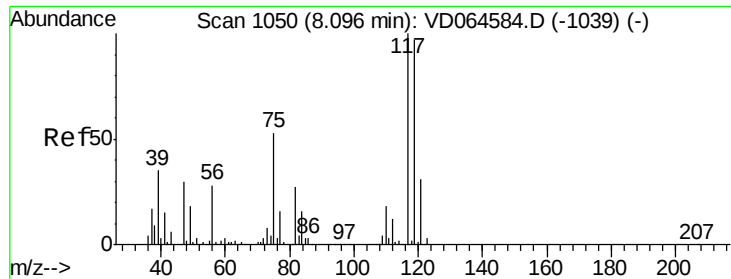


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

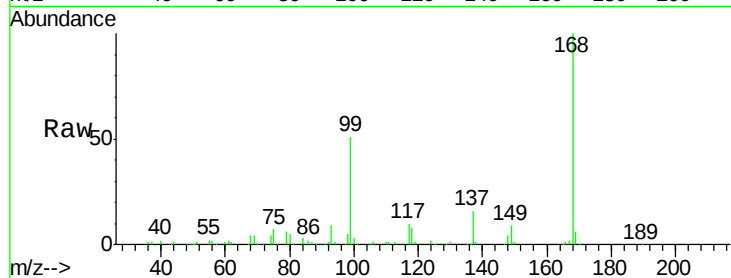




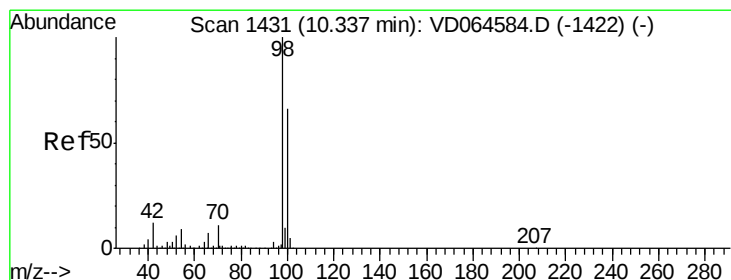
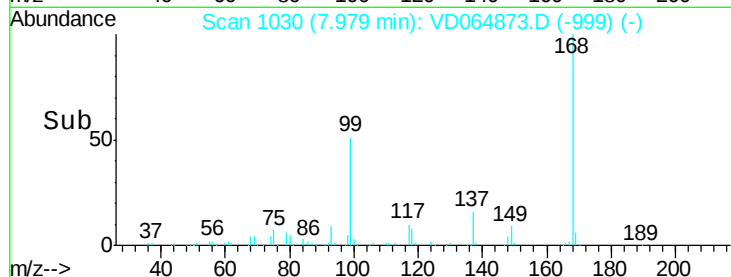
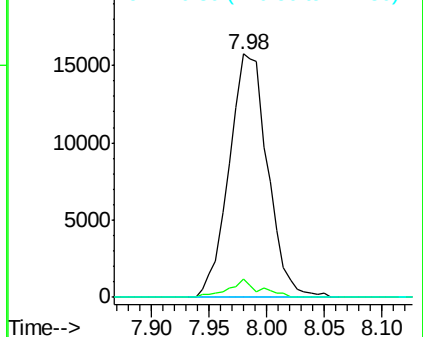
#38
Carbon Tetrachloride
Concen: 5.78 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064873.D
Acq: 17 Jan 2020 20:02

Instrument :
MSVOA_D
ClientSampleId :
EP-11

Tgt Ion: 117 Resp: 36504
Ion Ratio Lower Upper
117 100
119 7.4 77.3 115.9#
121 0.0 25.0 37.6#

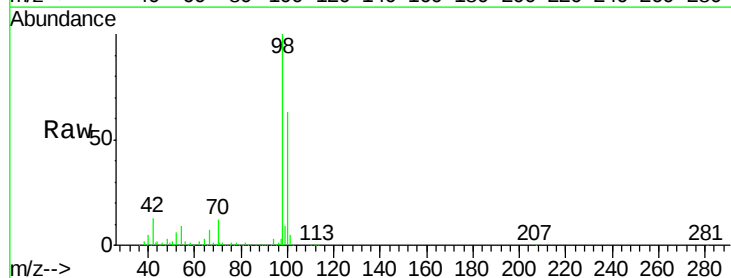


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

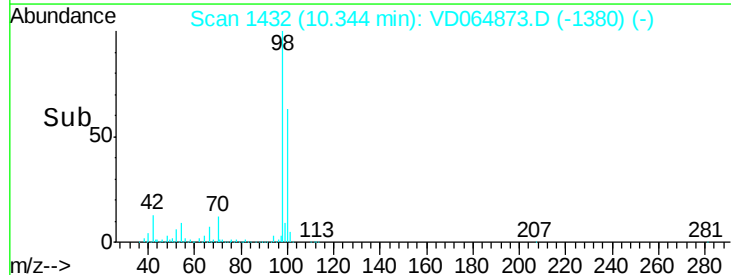
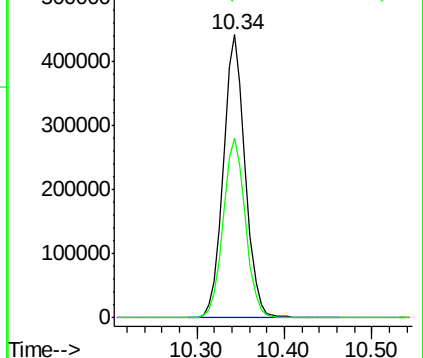


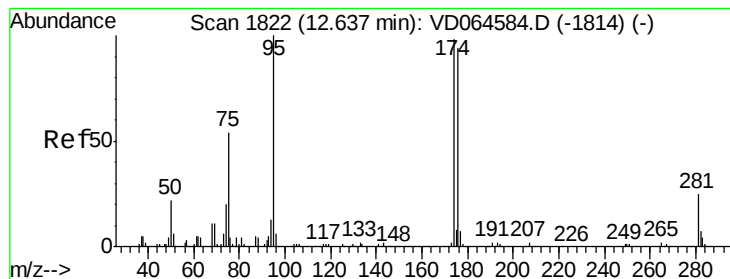
#50
Toluene-d8
Concen: 52.50 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064873.D
Acq: 17 Jan 2020 20:02

Tgt Ion: 98 Resp: 758480
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 51.71 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064873.D

Acq: 17 Jan 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

EP-11

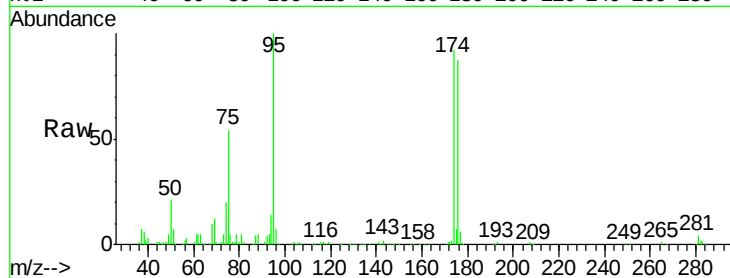
Tgt Ion: 95 Resp: 236222

Ion Ratio Lower Upper

95 100

174 93.2 0.0 193.2

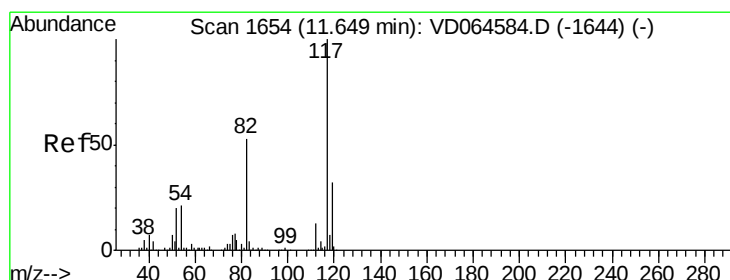
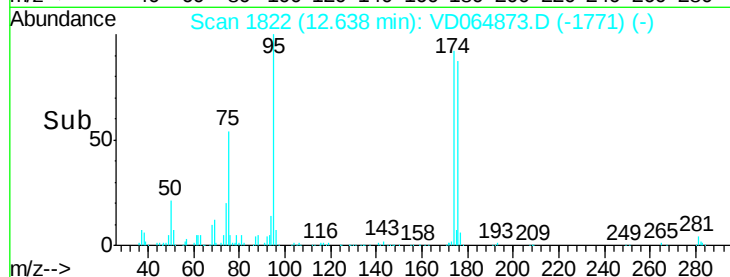
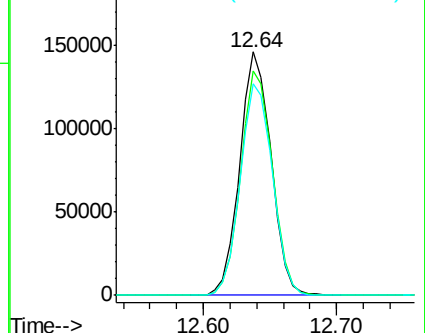
176 89.4 0.0 184.2



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: 50.00 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064873.D

Acq: 17 Jan 2020 20:02

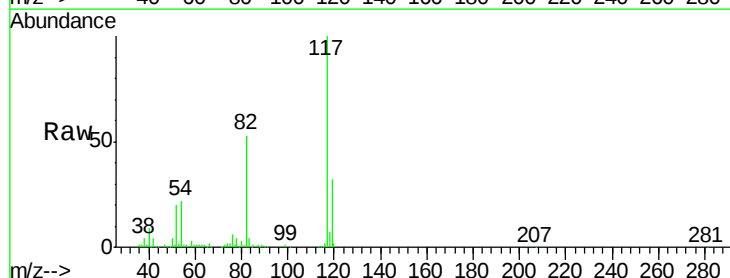
Tgt Ion: 117 Resp: 580015

Ion Ratio Lower Upper

117 100

82 53.0 42.2 63.4

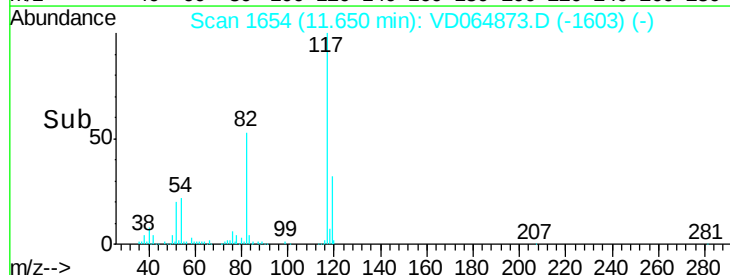
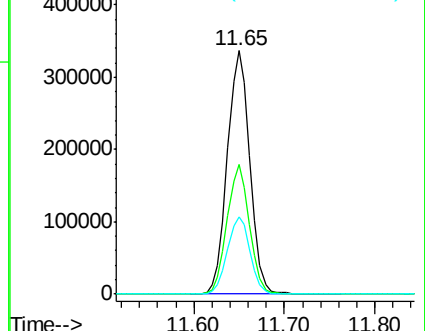
119 31.8 26.0 39.0

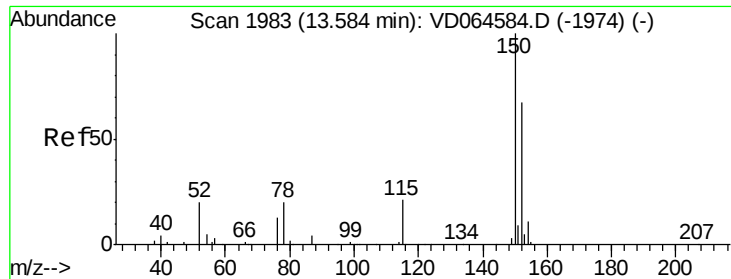


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD064873.D

Acq: 17 Jan 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

EP-11

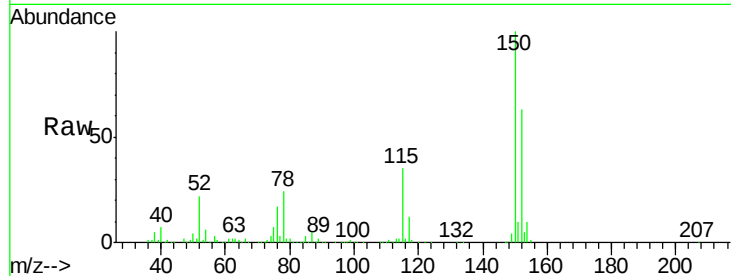
Tgt Ion:152 Resp: 269326

Ion Ratio Lower Upper

152 100

115 55.1 27.8 83.4

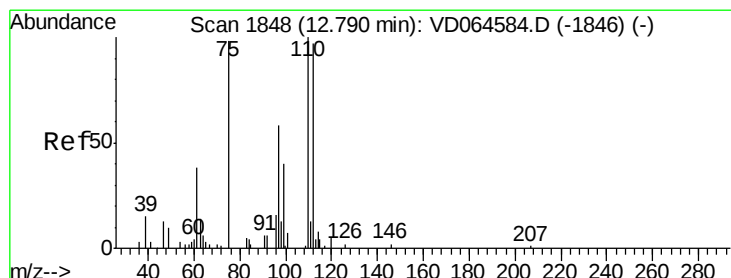
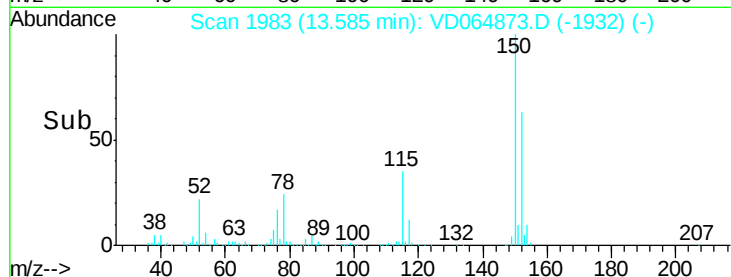
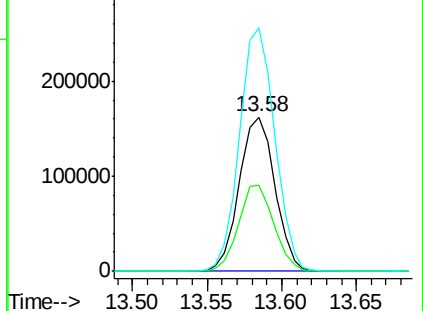
150 156.2 0.0 351.4



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: 59.38 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064873.D

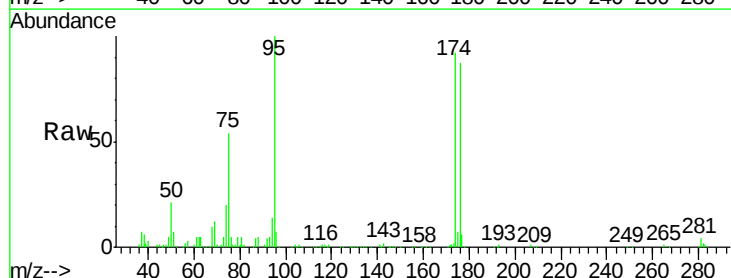
Acq: 17 Jan 2020 20:02

Tgt Ion: 75 Resp: 126294

Ion Ratio Lower Upper

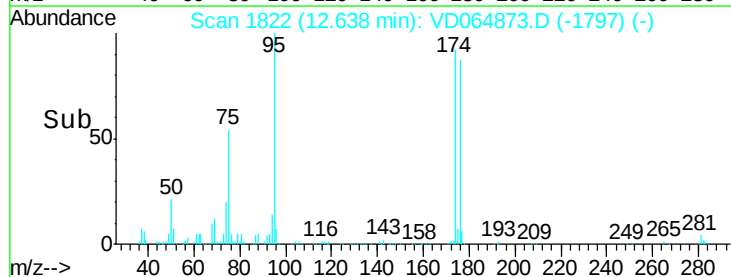
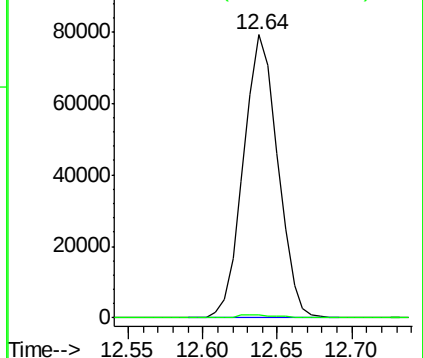
75 100

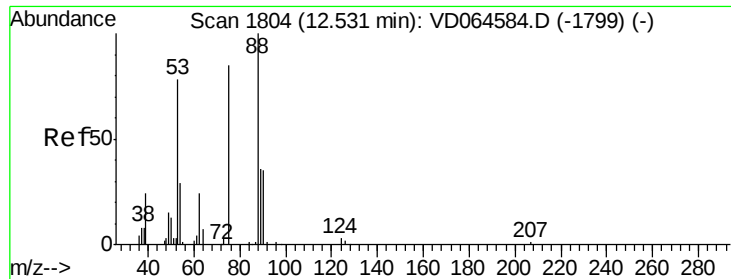
77 1.1 0.0 0.0#



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: 124.20 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064873.D

Acq: 17 Jan 2020 20:02

Instrument :

MSVOA_D

ClientSampleId :

EP-11

Tgt Ion: 75 Resp: 126294

Ion Ratio Lower Upper

75 100

53 0.1 78.8 118.2#

89 0.0 38.3 57.5#

