

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD011720\
 Data File : VD064876.D
 Acq On : 17 Jan 2020 21:29
 Operator : VA/SY
 Sample : L1136-16
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-14

Quant Time: Jan 17 22:56:13 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	370777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	615481	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	572075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	265279	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	184039	56.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.58%	
35) Dibromofluoromethane	7.92	113	198008	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
50) Toluene-d8	10.34	98	760548	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.64	95	232246	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	

Target Compounds

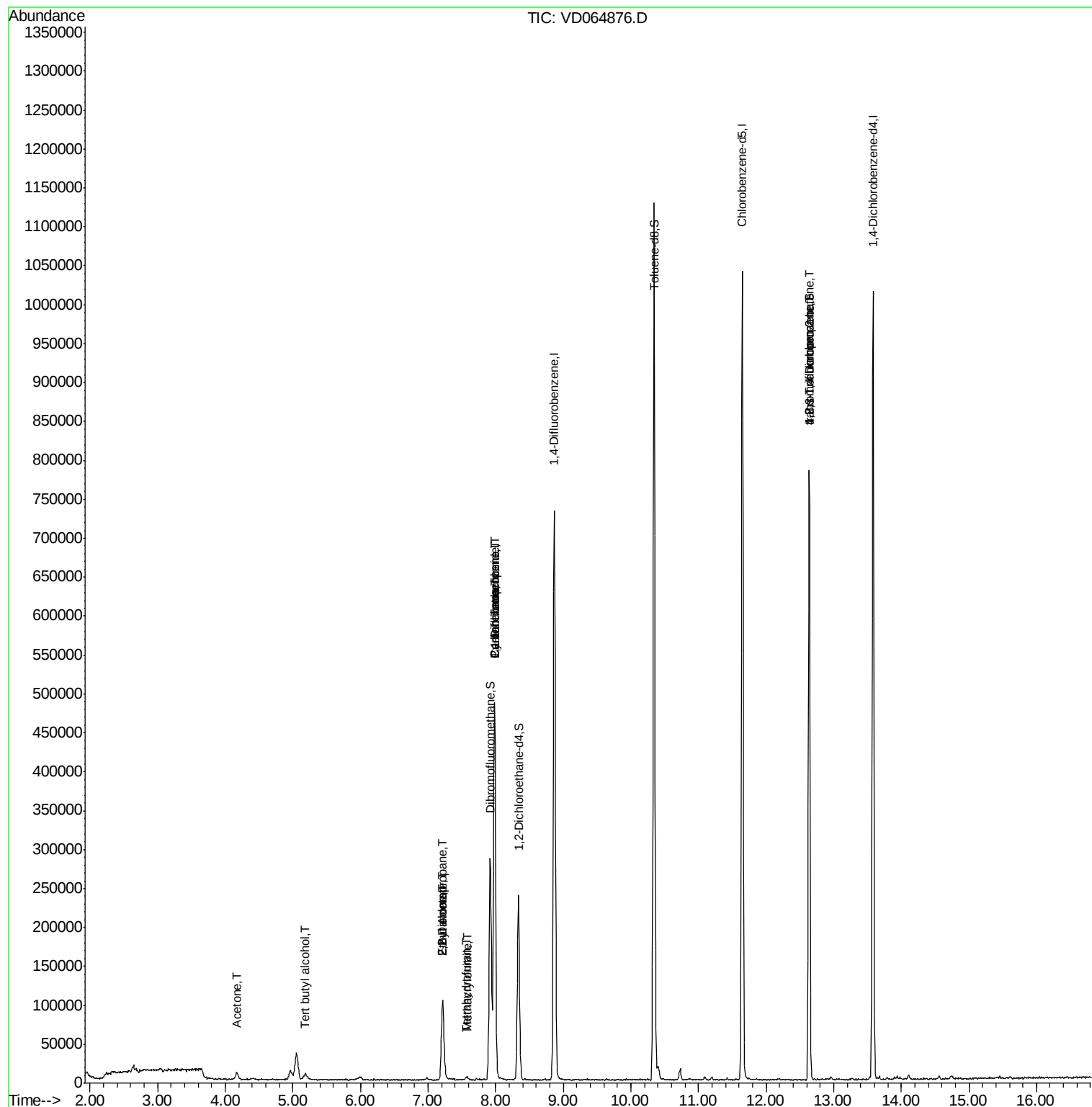
						Qvalue
11) Tert butyl alcohol	5.18	59	6803	36.31	ug/l #	70
16) Acetone	4.16	43	15054	23.54	ug/l	92
20) Methylene Chloride	4.96	84	8575	Below Cal	#	82
25) 2-Butanone	7.22	43	6586	7.33	ug/l #	75
26) 2,2-Dichloropropane	7.21	77	6743	1.19	ug/l #	53
29) Tetrahydrofuran	7.56	42	3033	5.43	ug/l #	43
31) Cyclohexane	7.98	56	8884	1.46	ug/l #	23
36) 1,1-Dichloropropene	7.98	75	27320	4.61	ug/l #	52
37) Ethyl Acetate	7.22	43	6586	2.83	ug/l #	73
38) Carbon Tetrachloride	7.98	117	35511	5.62	ug/l #	16
41) Methacrylonitrile	7.58	41	2125	1.57	ug/l #	39
76) 1,2,3-Trichloropropane	12.64	75	123728	59.06	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	123728	123.53	ug/l #	10

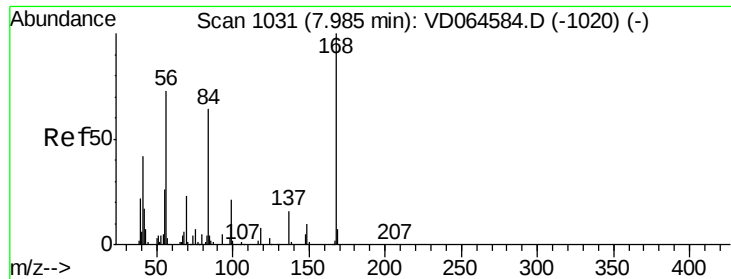
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD011720\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064876.D

Acq: 17 Jan 2020 21:29

Instrument :

MSVOA_D

ClientSampleId :

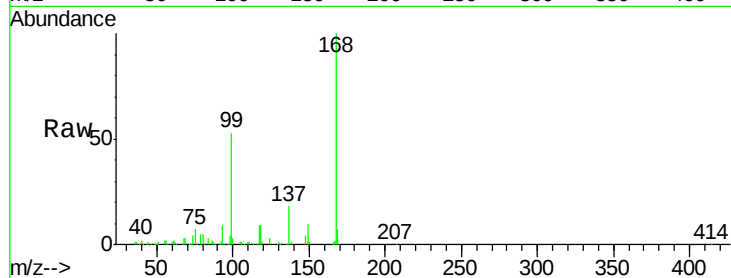
EP-14

Tgt Ion:168 Resp: 370777

Ion Ratio Lower Upper

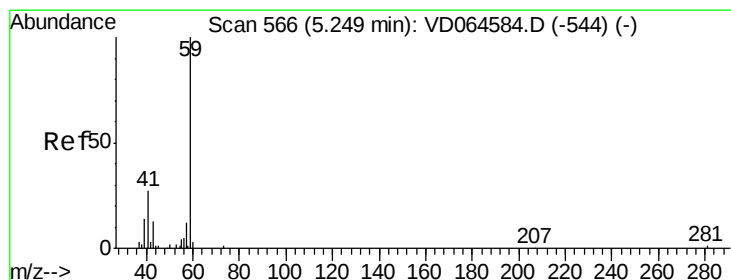
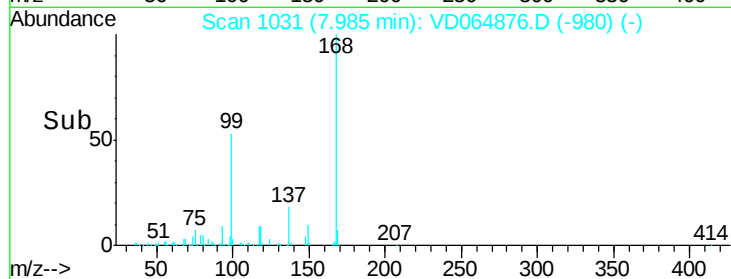
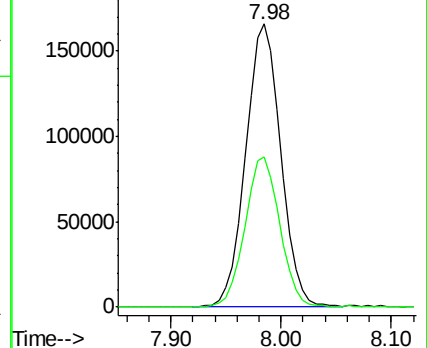
168 100

99 53.3 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: 36.31 ug/l

RT: 5.18 min Scan# 555

Delta R.T. -0.06 min

Lab File: VD064876.D

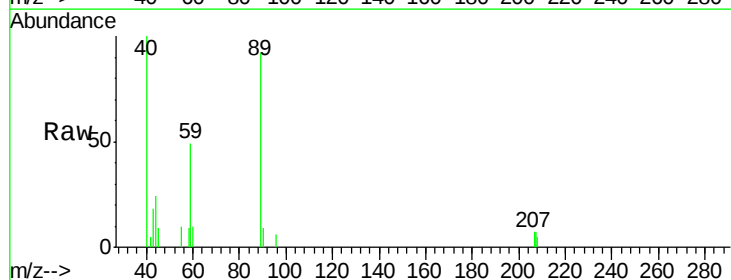
Acq: 17 Jan 2020 21:29

Tgt Ion: 59 Resp: 6803

Ion Ratio Lower Upper

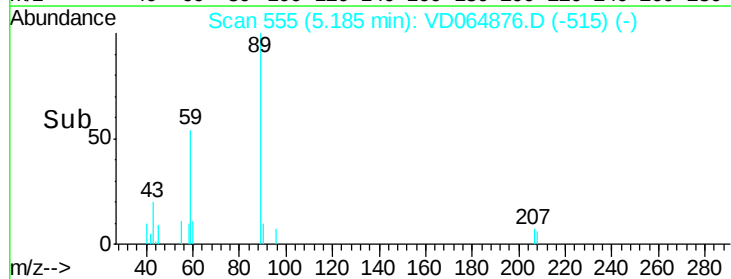
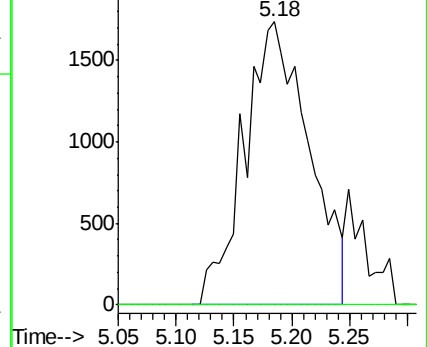
59 100

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: 23.54 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064876.D

Acq: 17 Jan 2020 21:29

Instrument :

MSVOA_D

ClientSampleId :

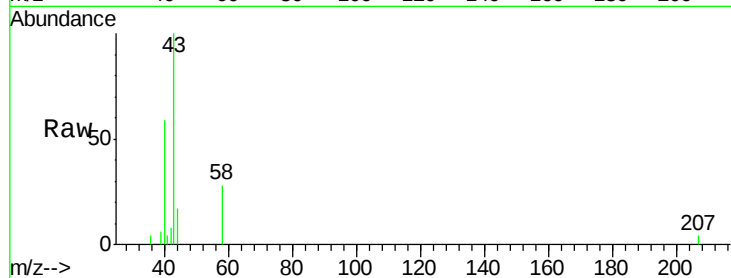
EP-14

Tgt Ion: 43 Resp: 15054

Ion Ratio Lower Upper

43 100

58 27.7 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

6000

5000

4000

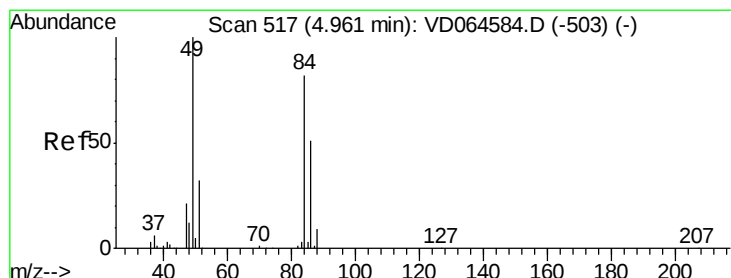
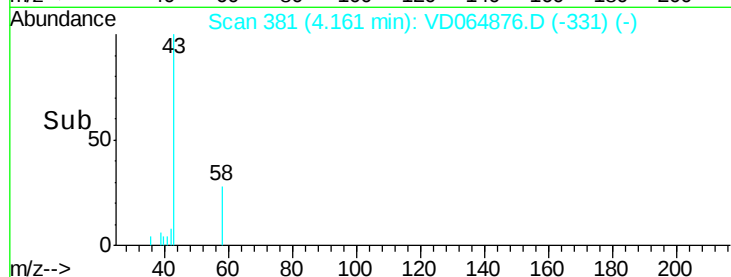
3000

2000

1000

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD064876.D

Acq: 17 Jan 2020 21:29

Tgt Ion: 84 Resp: 8575

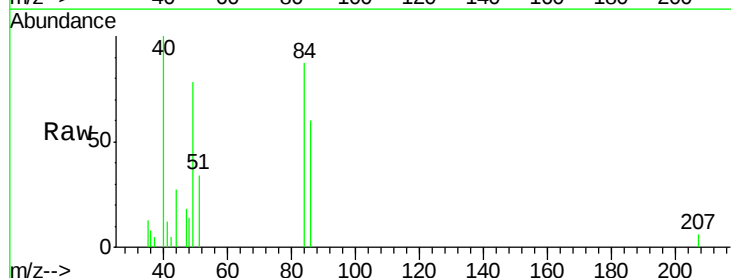
Ion Ratio Lower Upper

84 100

49 90.6 97.2 145.8#

51 39.7 31.4 47.0

86 69.9 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

4.96

4000

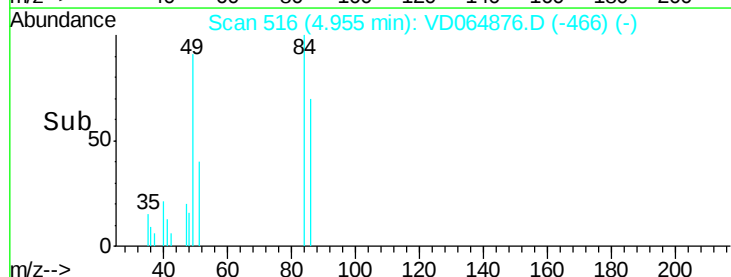
3000

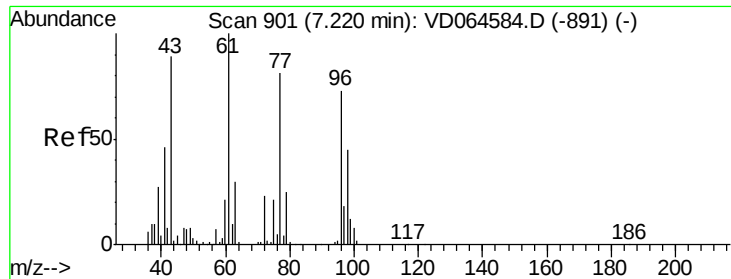
2000

1000

0

Time-->





#25

2-Butanone

Concen: 7.33 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064876.D

Acq: 17 Jan 2020 21:29

Instrument :

MSVOA_D

ClientSampled :

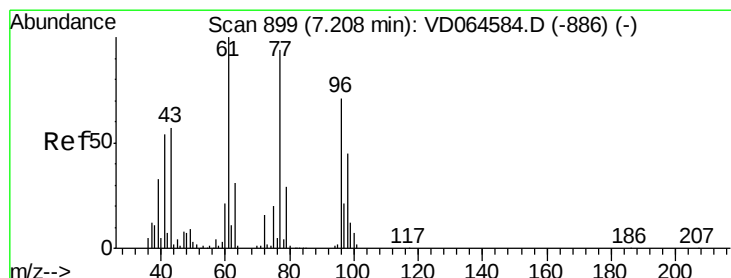
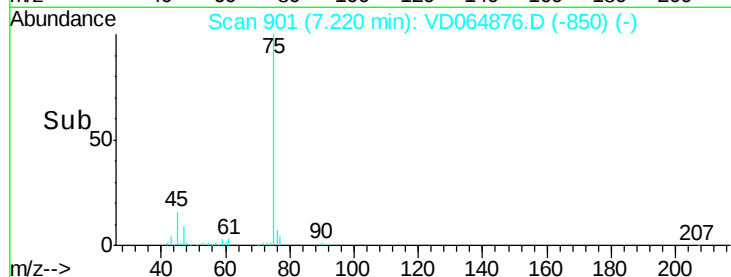
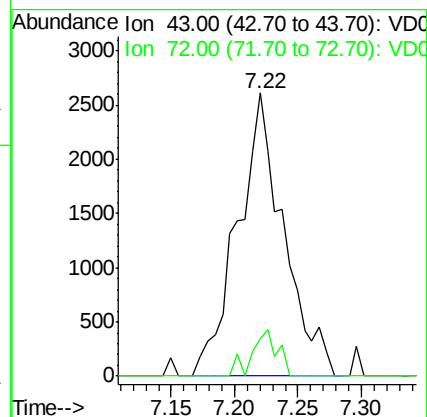
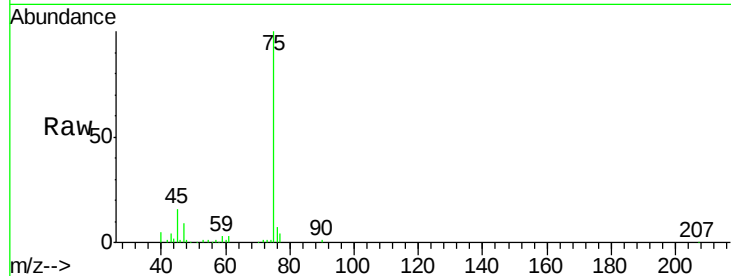
EP-14

Tgt Ion: 43 Resp: 6586

Ion Ratio Lower Upper

43 100

72 13.3 20.7 31.1#



#26

2,2-Dichloropropane

Concen: 1.19 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064876.D

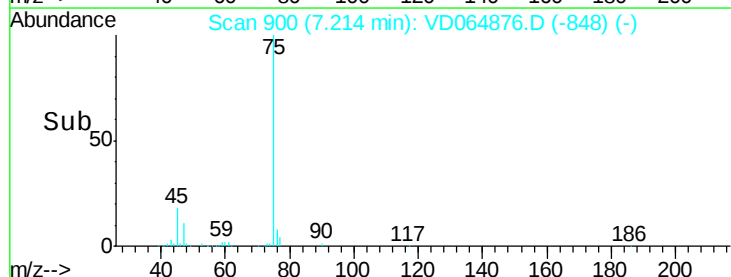
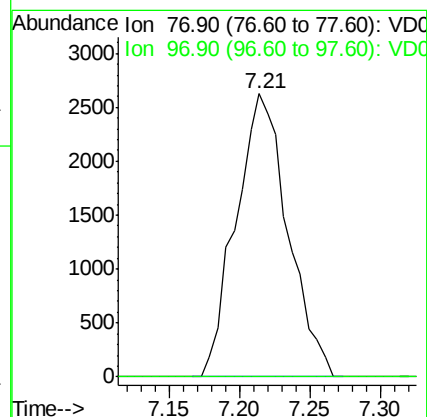
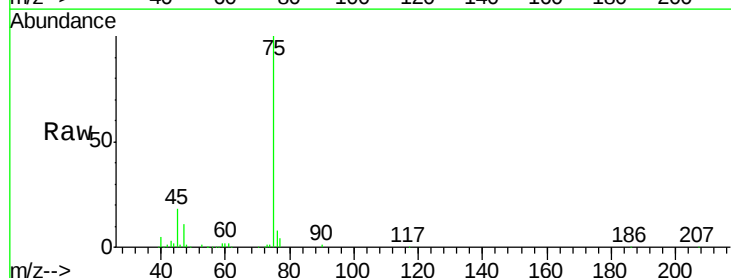
Acq: 17 Jan 2020 21:29

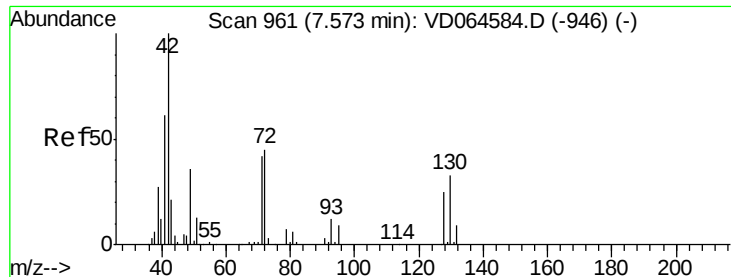
Tgt Ion: 77 Resp: 6743

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.6#

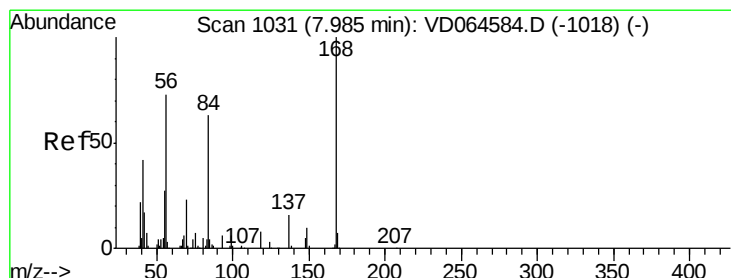
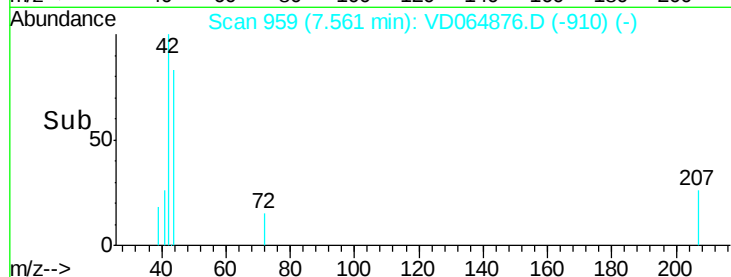
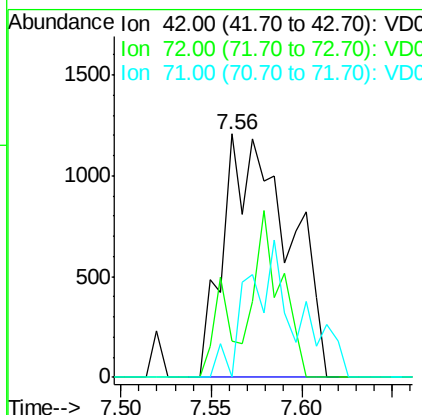
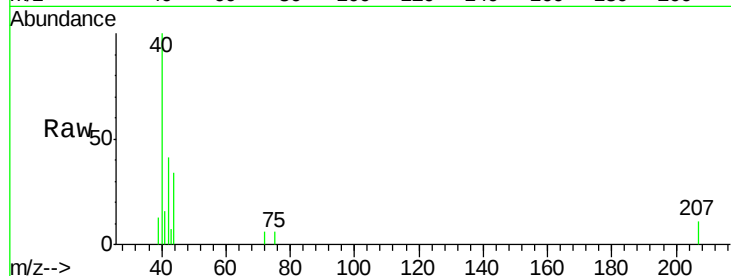




#29
Tetrahydrofuran
Concen: 5.43 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD064876.D
Acq: 17 Jan 2020 21:29

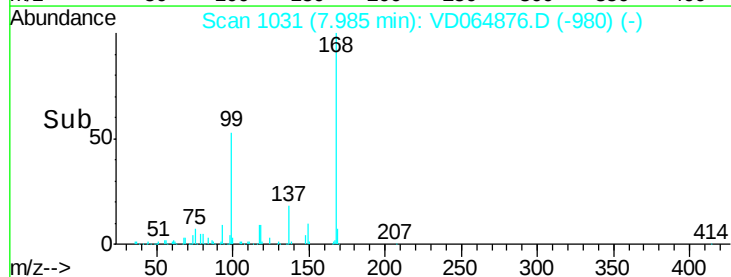
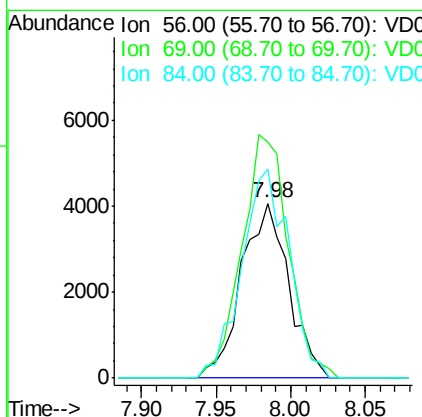
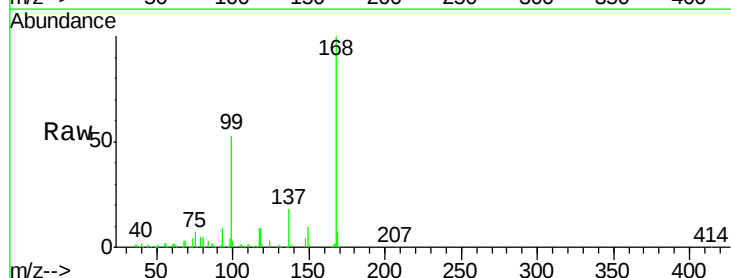
Instrument :
MSVOA_D
ClientSampleId :
EP-14

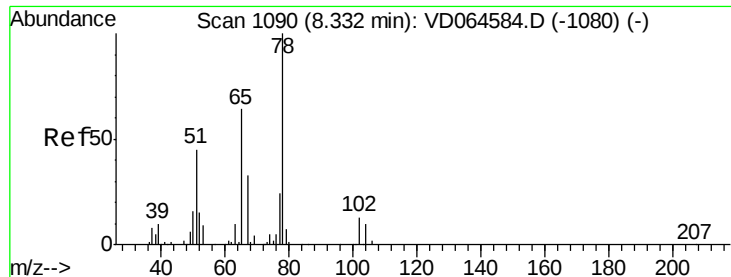
Tgt Ion: 42 Resp: 3033
Ion Ratio Lower Upper
42 100
72 11.7 35.0 52.4#
71 0.0 32.9 49.3#



#31
Cyclohexane
Concen: 1.46 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064876.D
Acq: 17 Jan 2020 21:29

Tgt Ion: 56 Resp: 8884
Ion Ratio Lower Upper
56 100
69 135.6 24.7 37.1#
84 120.1 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 56.29 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064876.D

Acq: 17 Jan 2020 21:29

Instrument :

MSVOA_D

ClientSampleId :

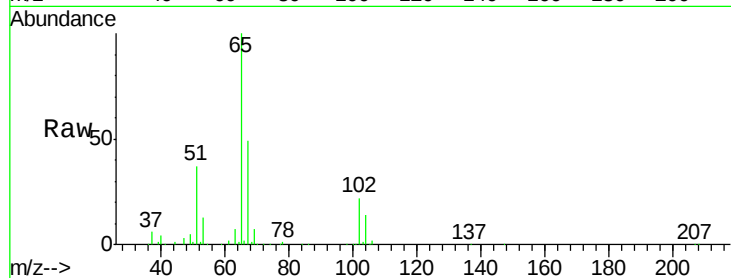
EP-14

Tgt Ion: 65 Resp: 184039

Ion Ratio Lower Upper

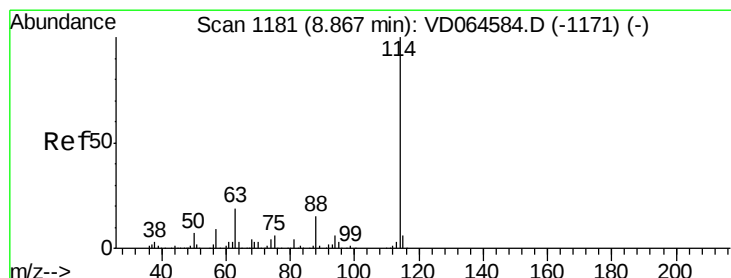
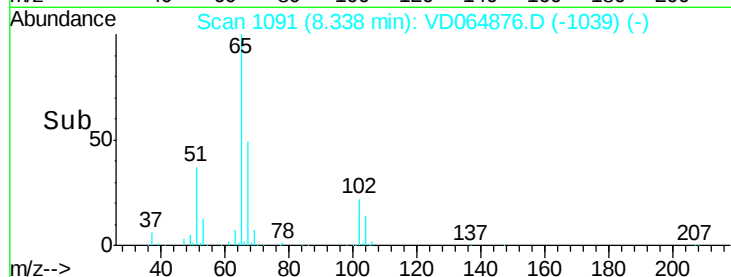
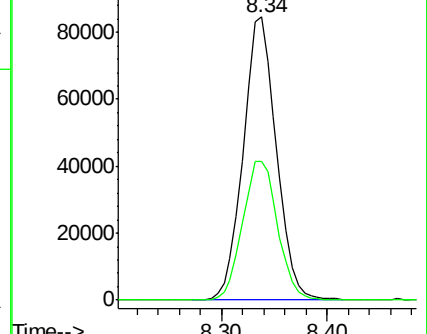
65 100

67 51.9 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: VD064876.D

Acq: 17 Jan 2020 21:29

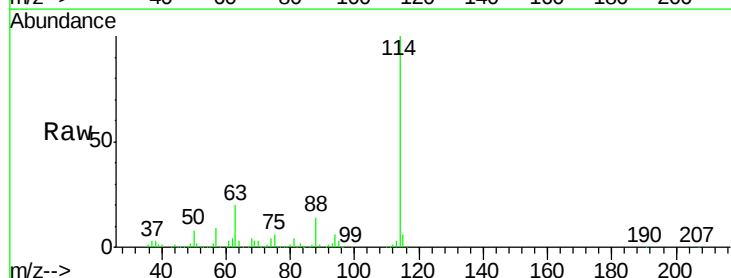
Tgt Ion: 114 Resp: 615481

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.0

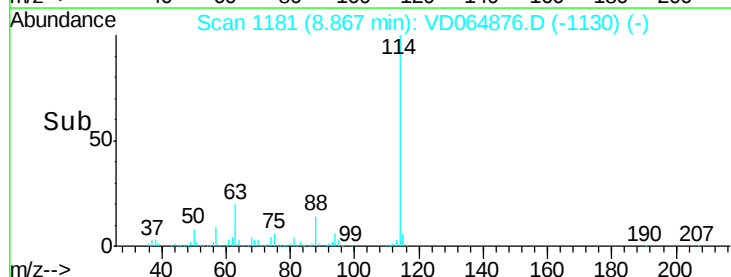
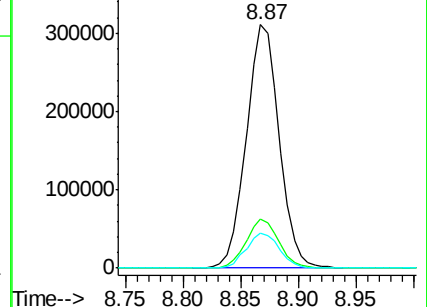
88 14.1 0.0 29.2

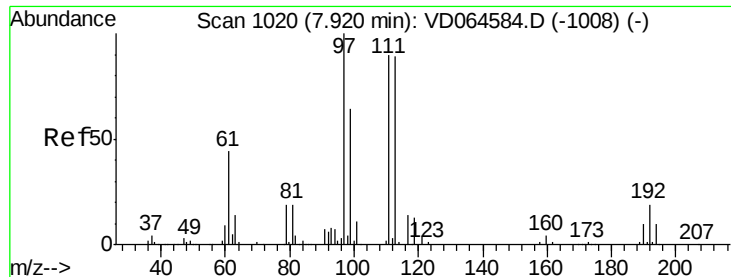


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

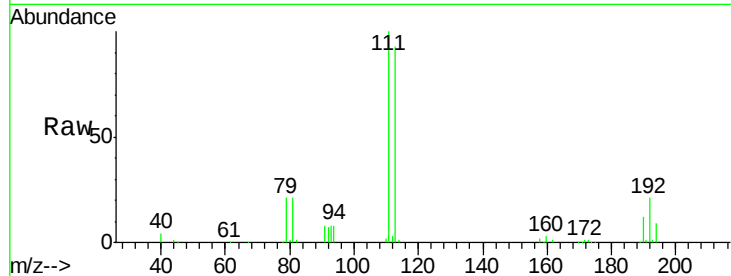




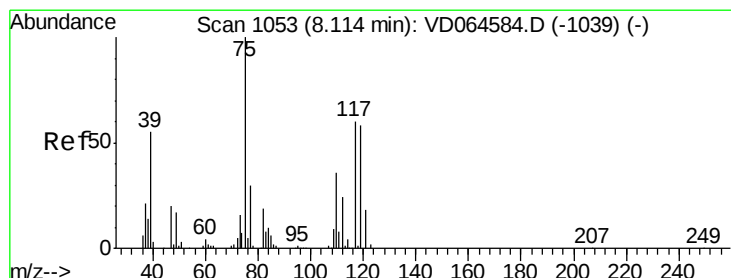
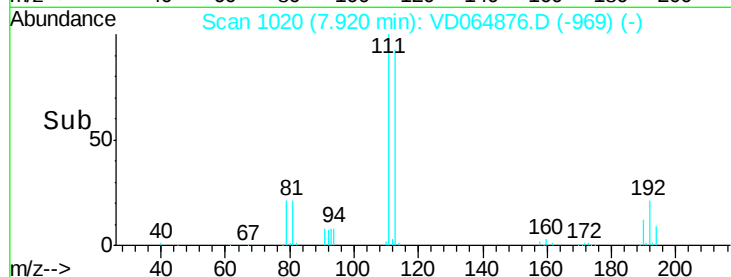
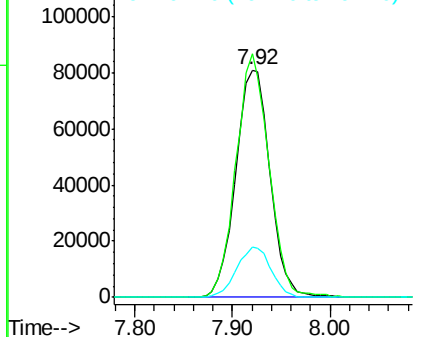
#35
 Dibromofluoromethane
 Concen: 52.44 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064876.D
 Acq: 17 Jan 2020 21:29

Instrument :
 MSVOA_D
 ClientSampled :
 EP-14

Tgt Ion:113 Resp: 198008
 Ion Ratio Lower Upper
 113 100
 111 102.7 80.6 121.0
 192 22.1 17.9 26.9

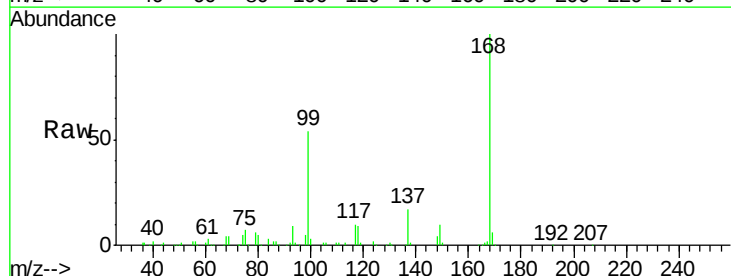


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

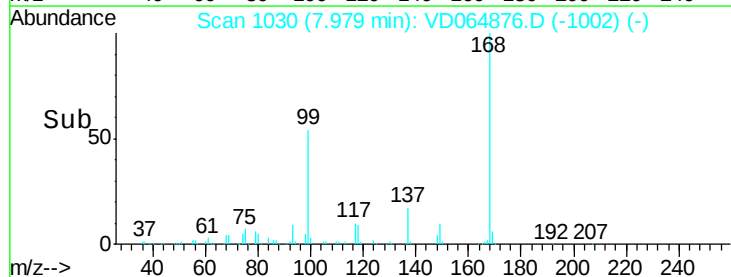
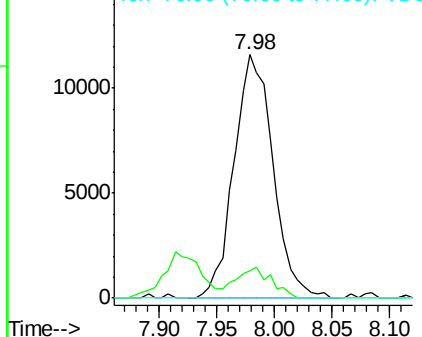


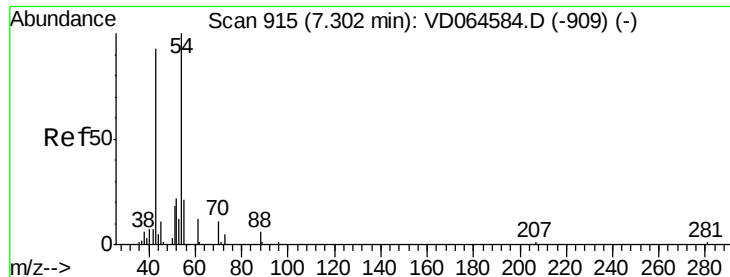
#36
 1,1-Dichloropropene
 Concen: 4.61 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064876.D
 Acq: 17 Jan 2020 21:29

Tgt Ion: 75 Resp: 27320
 Ion Ratio Lower Upper
 75 100
 110 11.3 18.1 54.1#
 77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC

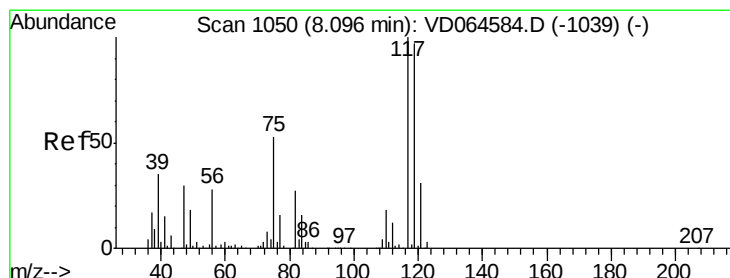
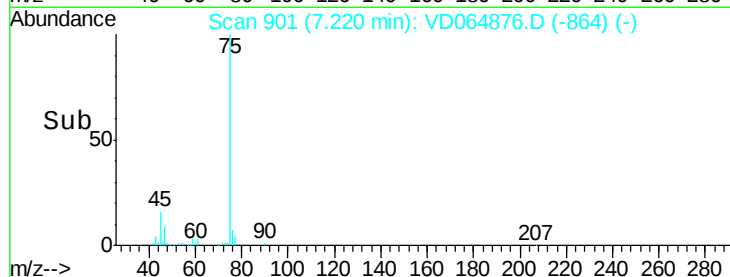
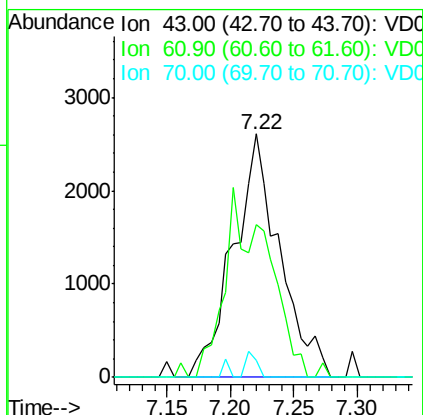
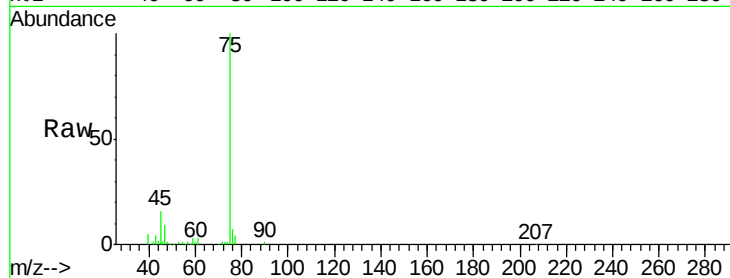




#37
Ethyl Acetate
Concen: 2.83 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.08 min
Lab File: VD064876.D
Acq: 17 Jan 2020 21:29

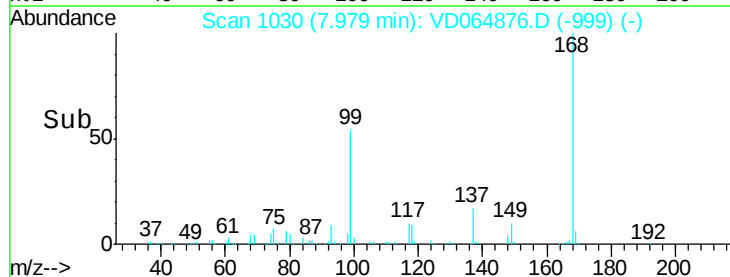
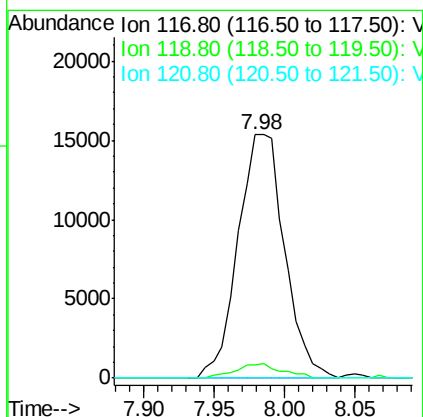
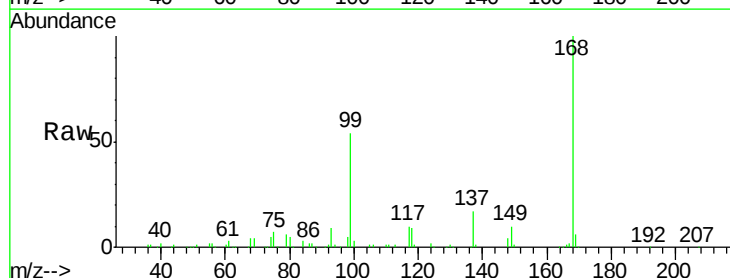
Instrument :
MSVOA_D
ClientSampleId :
EP-14

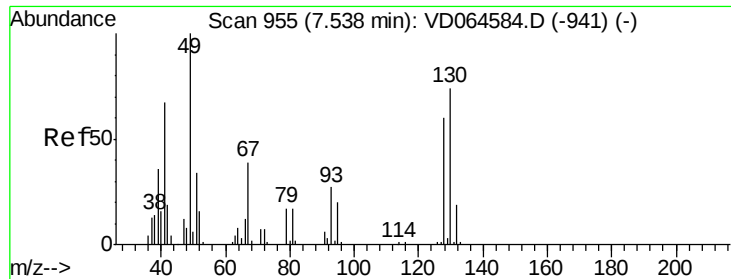
Tgt Ion: 43 Resp: 6586
Ion Ratio Lower Upper
43 100
61 0.0 10.3 15.5#
70 2.4 7.6 11.4#



#38
Carbon Tetrachloride
Concen: 5.62 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064876.D
Acq: 17 Jan 2020 21:29

Tgt Ion: 117 Resp: 35511
Ion Ratio Lower Upper
117 100
119 5.3 77.3 115.9#
121 0.0 25.0 37.6#





#41

Methacrylonitrile

Concen: 1.57 ug/l

RT: 7.58 min Scan# 962

Delta R.T. 0.04 min

Lab File: VD064876.D

Acq: 17 Jan 2020 21:29

Instrument :

MSVOA_D

ClientSampleId :

EP-14

Tgt Ion: 41 Resp: 2125

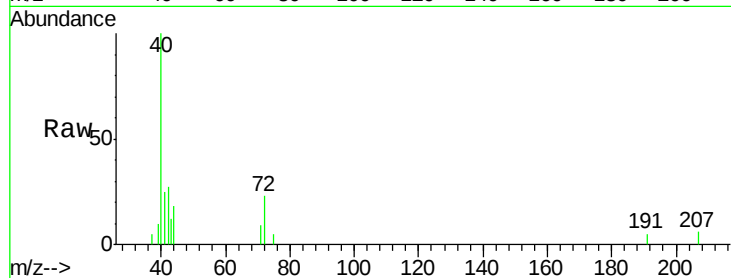
Ion Ratio Lower Upper

41 100

39 28.6 46.7 70.1#

67 0.0 52.5 78.7#

52 0.0 24.1 36.1#

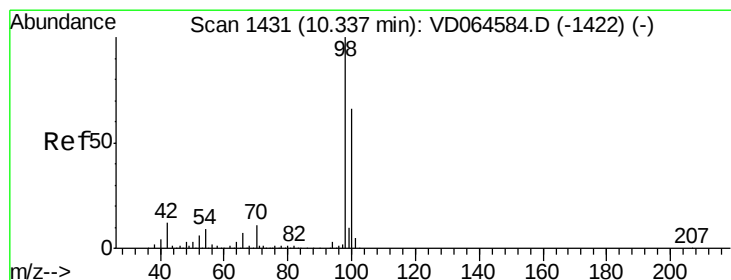
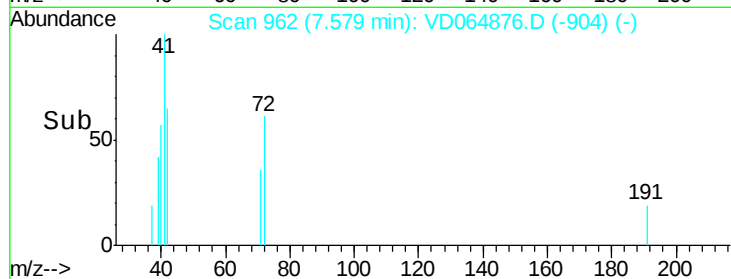
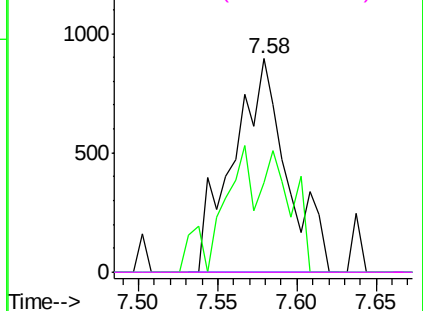


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#50

Toluene-d8

Concen: 52.59 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064876.D

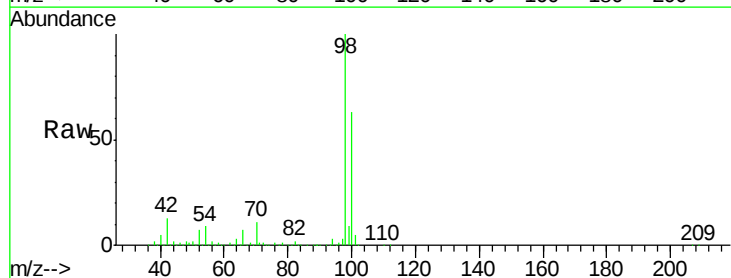
Acq: 17 Jan 2020 21:29

Tgt Ion: 98 Resp: 760548

Ion Ratio Lower Upper

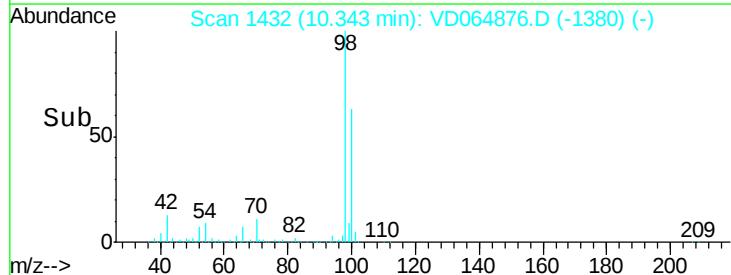
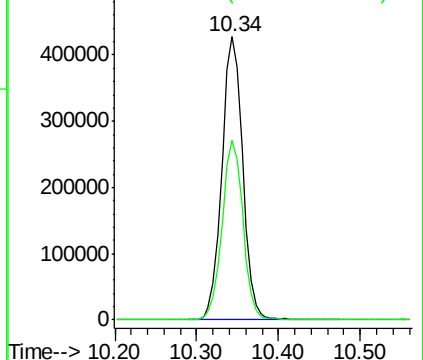
98 100

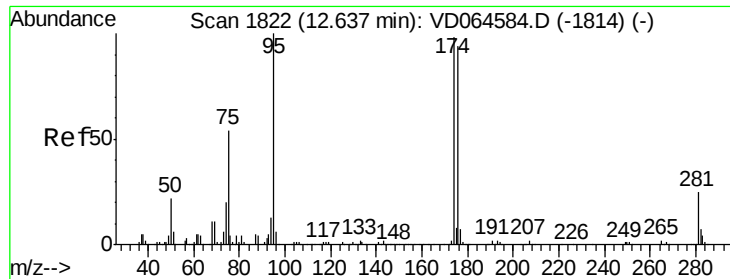
100 63.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

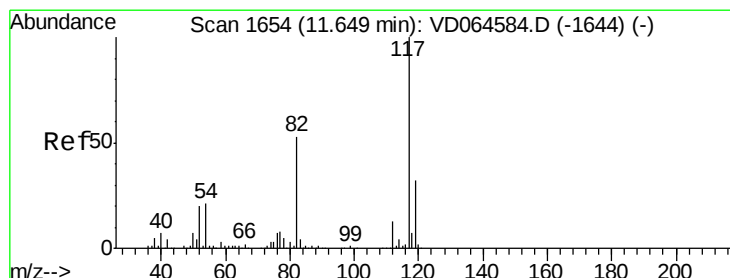
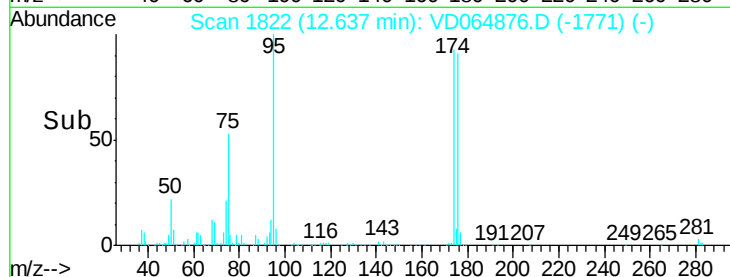
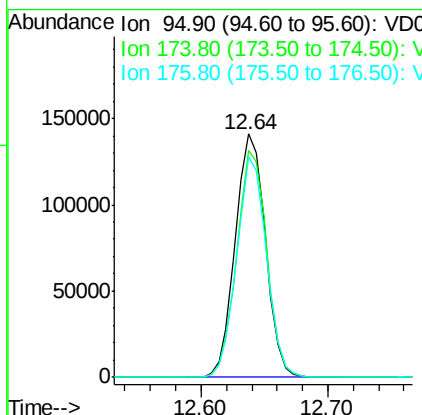
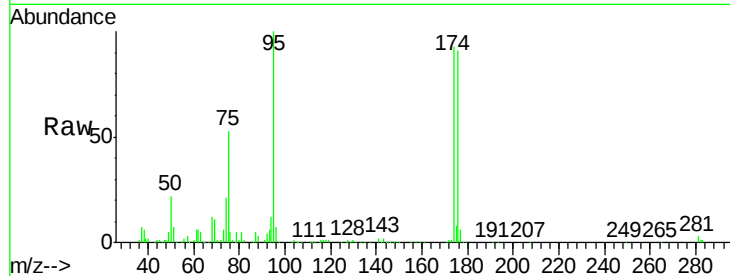




#62
4-Bromofluorobenzene
Concen: 50.79 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064876.D
Acq: 17 Jan 2020 21:29

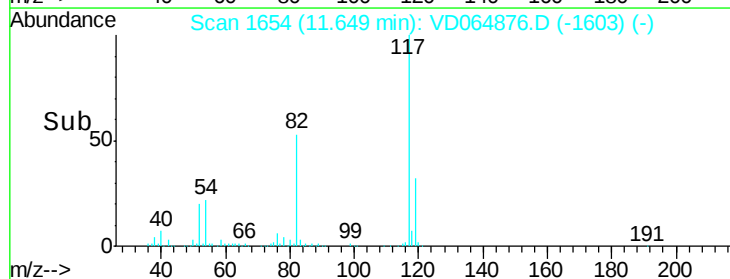
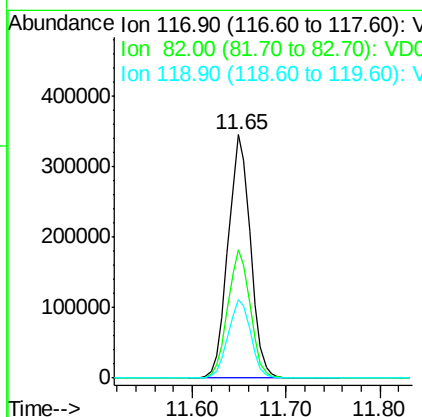
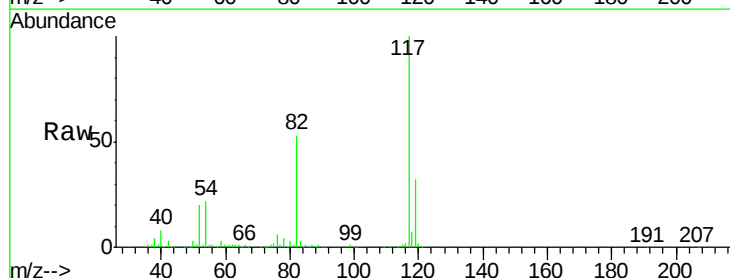
Instrument :
MSVOA_D
ClientSampleId :
EP-14

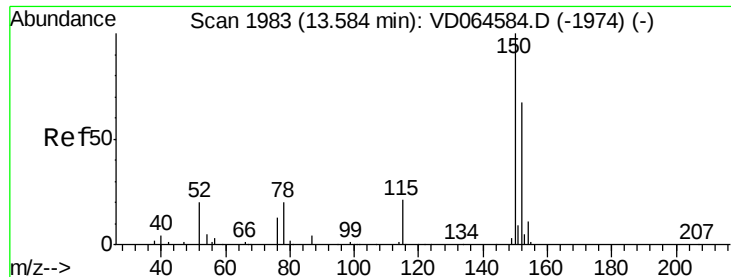
Tgt Ion: 95 Resp: 232246
Ion Ratio Lower Upper
95 100
174 93.2 0.0 193.2
176 89.3 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064876.D
Acq: 17 Jan 2020 21:29

Tgt Ion: 117 Resp: 572075
Ion Ratio Lower Upper
117 100
82 52.5 42.2 63.4
119 32.3 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064876.D

Acq: 17 Jan 2020 21:29

Instrument :

MSVOA_D

ClientSampleId :

EP-14

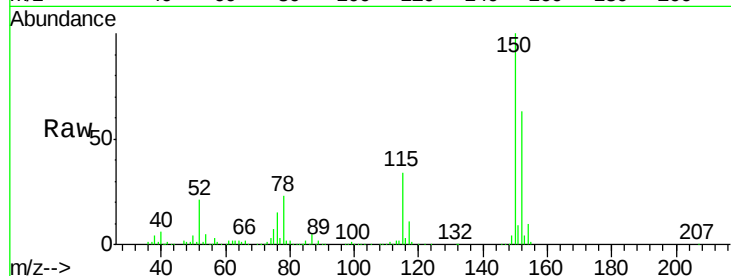
Tgt Ion:152 Resp: 265279

Ion Ratio Lower Upper

152 100

115 54.8 27.8 83.4

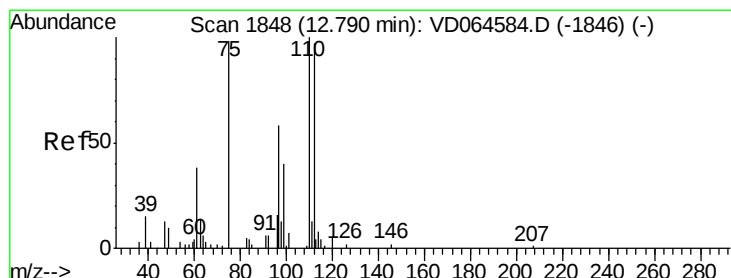
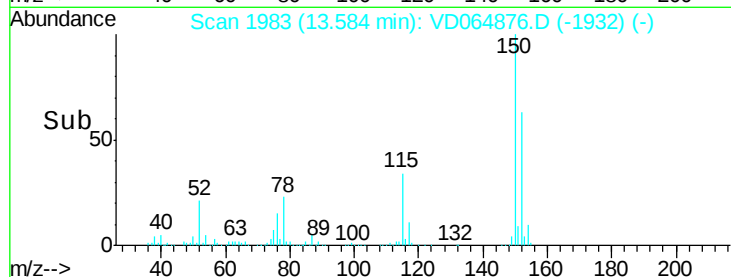
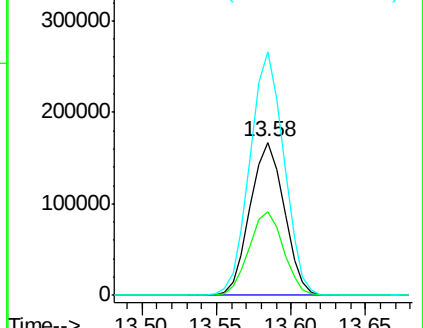
150 158.6 0.0 351.4



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: 59.06 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064876.D

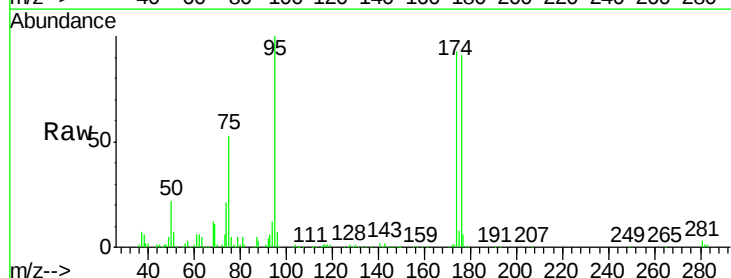
Acq: 17 Jan 2020 21:29

Tgt Ion: 75 Resp: 123728

Ion Ratio Lower Upper

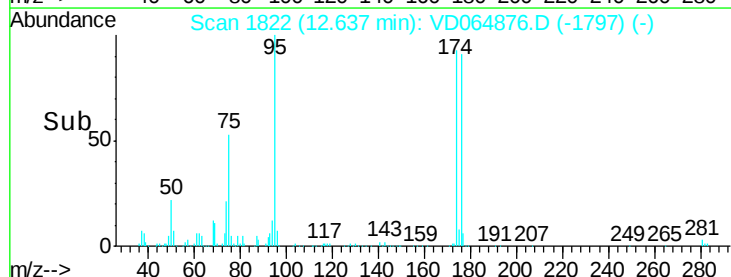
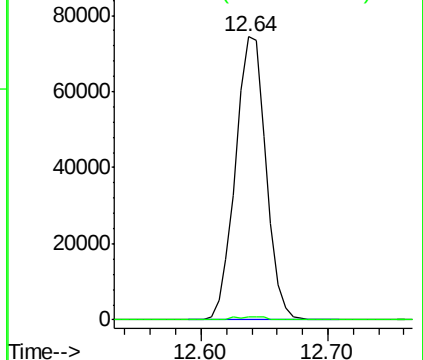
75 100

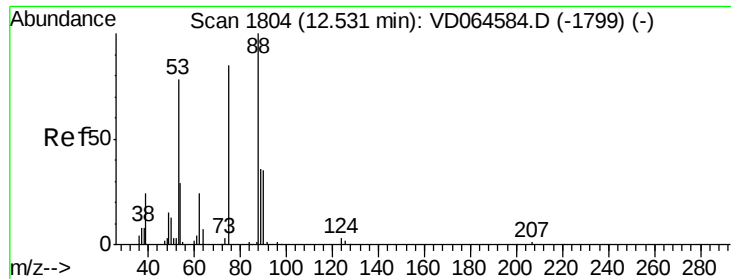
77 1.4 0.0 0.0#



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: 123.53 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064876.D

Acq: 17 Jan 2020 21:29

Instrument :

MSVOA_D

ClientSampleId :

EP-14

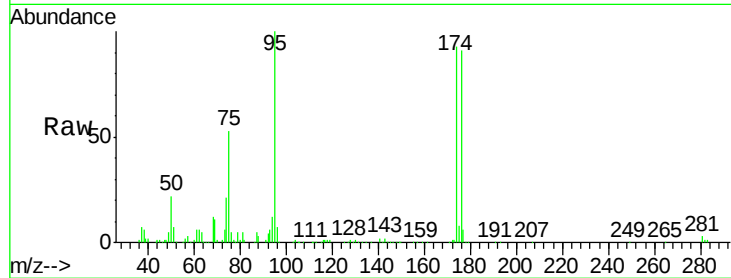
Tgt Ion: 75 Resp: 123728

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

