

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD011720\
 Data File : VD064875.D
 Acq On : 17 Jan 2020 21:00
 Operator : VA/SY
 Sample : L1136-15
 Misc : 6.18G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-13

Quant Time: Jan 17 22:56:04 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	370842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	617702	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	569207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	260672	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	195029	59.64	ug/l	0.00
Spiked Amount			Recovery	=	119.28%	
35) Dibromofluoromethane	7.92	113	195310	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	
50) Toluene-d8	10.34	98	749176	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
62) 4-Bromofluorobenzene	12.64	95	229886	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	

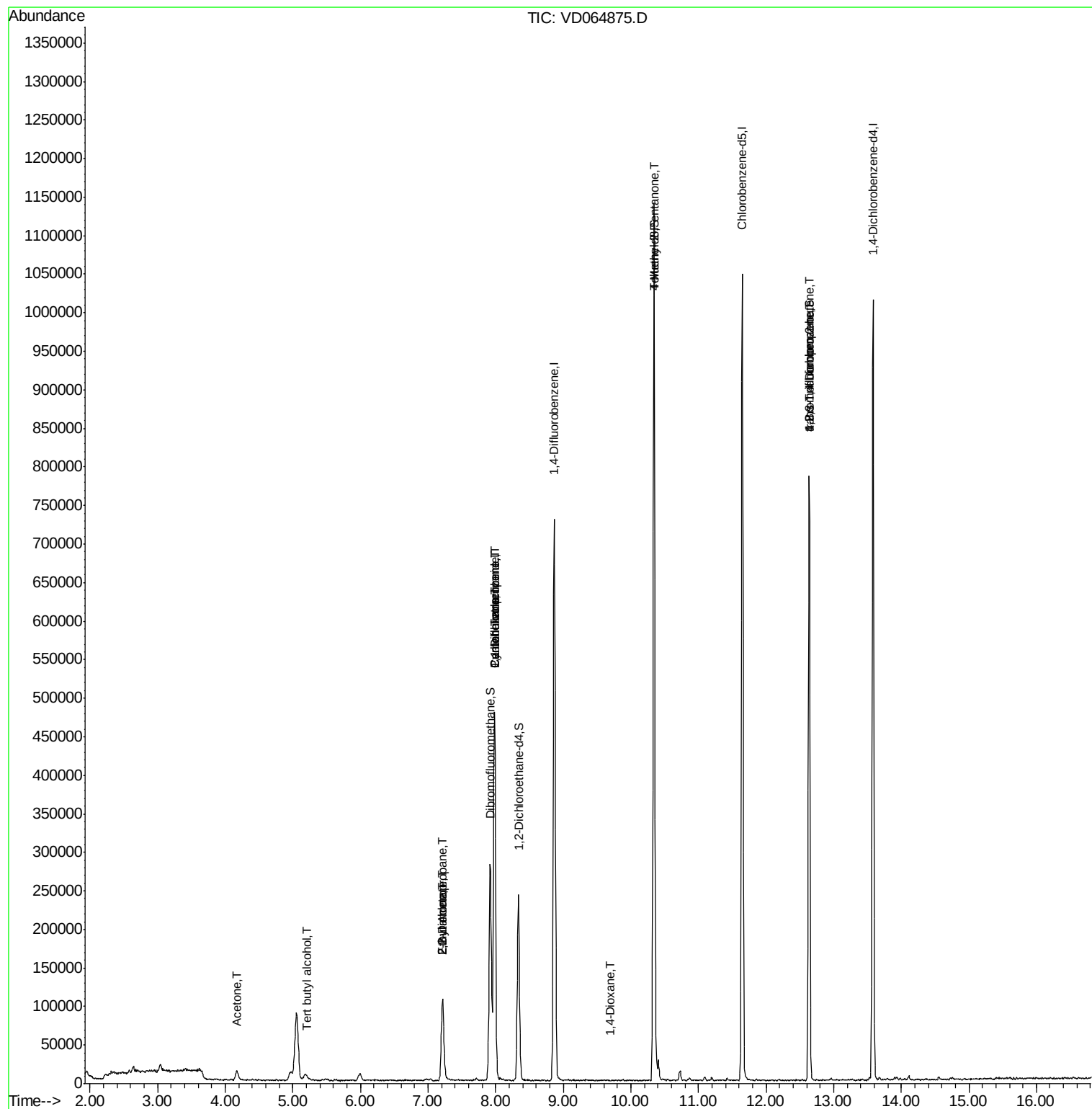
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	8728	46.57	ug/l #	72
16) Acetone	4.17	43	20904	31.15	ug/l	95
20) Methylene Chloride	4.97	84	8445	Below Cal	#	87
25) 2-Butanone	7.21	43	5273	5.87	ug/l #	49
26) 2,2-Dichloropropane	7.21	77	6822	1.20	ug/l #	53
31) Cyclohexane	7.99	56	8530	1.40	ug/l #	37
36) 1,1-Dichloropropene	7.98	75	27974	4.71	ug/l #	49
37) Ethyl Acetate	7.21	43	5273	2.26	ug/l #	1
38) Carbon Tetrachloride	7.98	117	35029	5.53	ug/l #	17
49) 1,4-Dioxane	9.70	88	66	2.65	ug/l #	24
51) 4-Methyl-2-Pentanone	10.34	43	3305	1.44	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	124233	60.35	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	124233	126.23	ug/l #	10

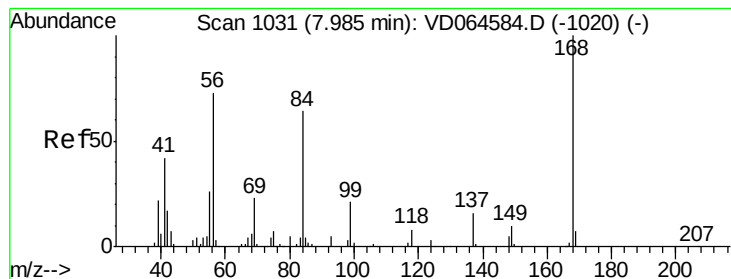
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064875.D

Acq: 17 Jan 2020 21:00

Instrument :

MSVOA_D

ClientSampled :

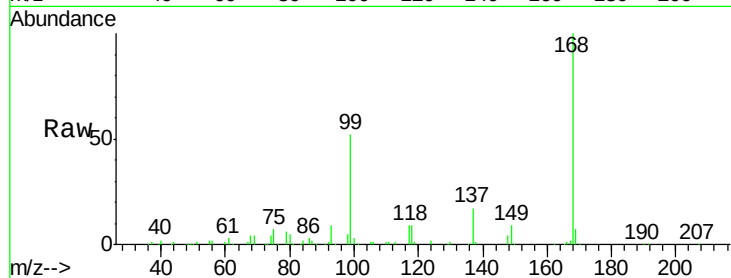
EP-13

Tgt Ion:168 Resp: 370842

Ion Ratio Lower Upper

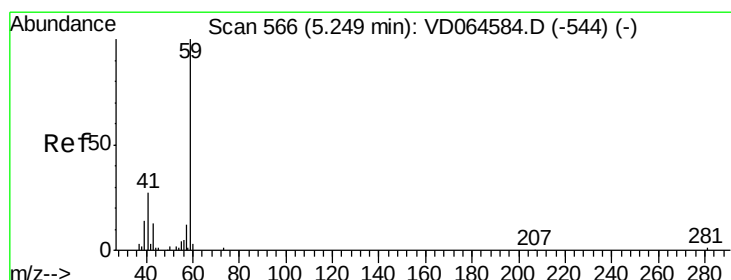
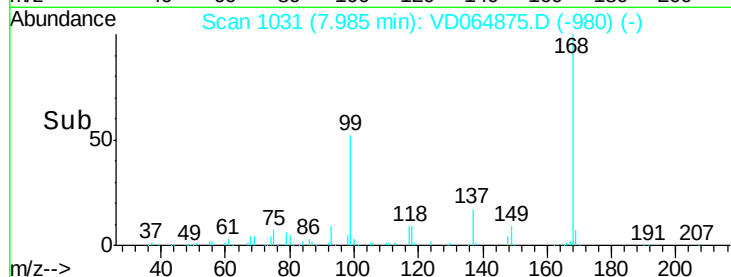
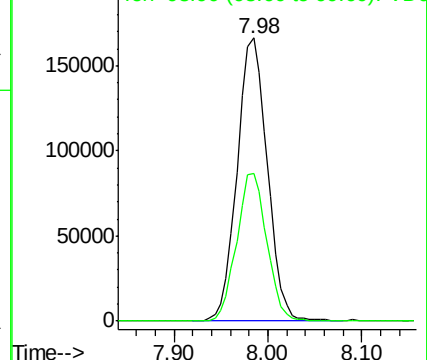
168 100

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



#11

Tert butyl alcohol

Concen: 46.57 ug/l

RT: 5.20 min Scan# 558

Delta R.T. -0.05 min

Lab File: VD064875.D

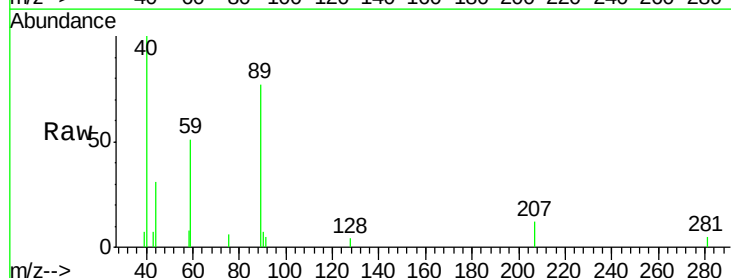
Acq: 17 Jan 2020 21:00

Tgt Ion: 59 Resp: 8728

Ion Ratio Lower Upper

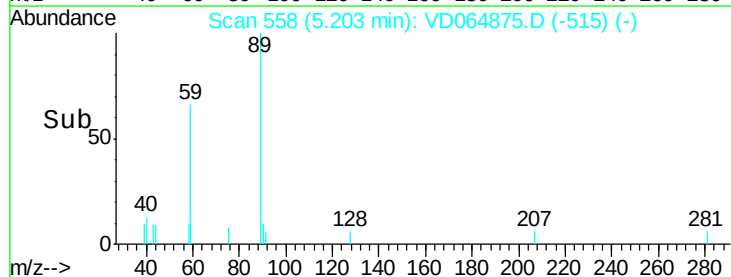
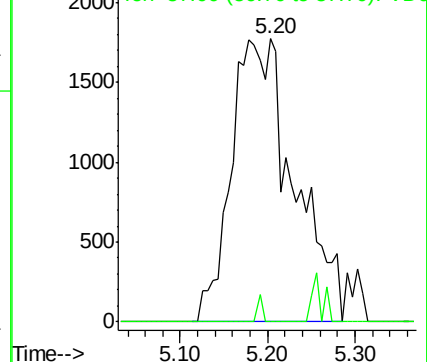
59 100

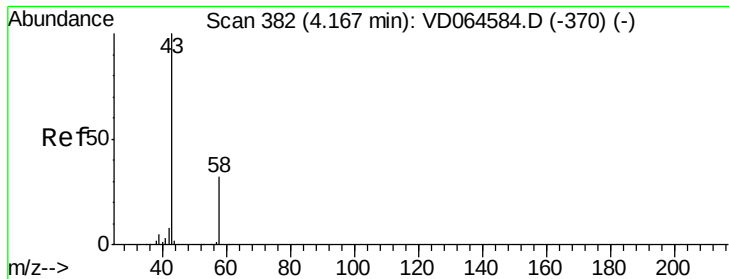
57 0.7 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 31.15 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064875.D

Acq: 17 Jan 2020 21:00

Instrument :

MSVOA_D

ClientSampled :

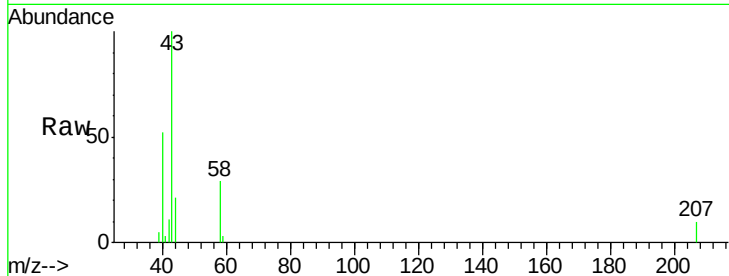
EP-13

Tgt Ion: 43 Resp: 20904

Ion Ratio Lower Upper

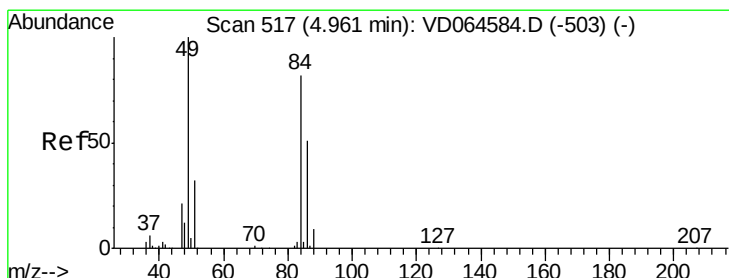
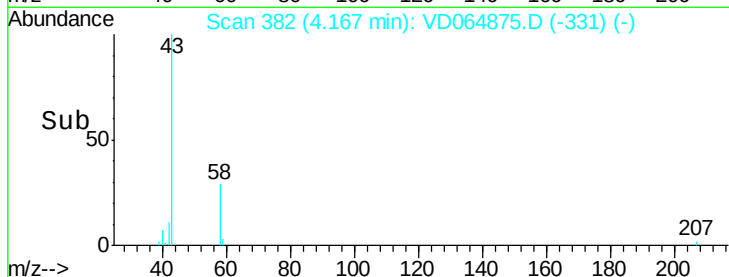
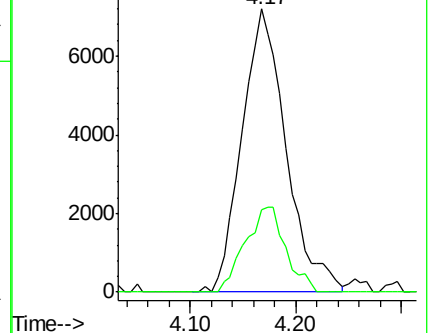
43 100

58 29.2 25.8 38.6



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# 518

Delta R.T. 0.01 min

Lab File: VD064875.D

Acq: 17 Jan 2020 21:00

Tgt Ion: 84 Resp: 8445

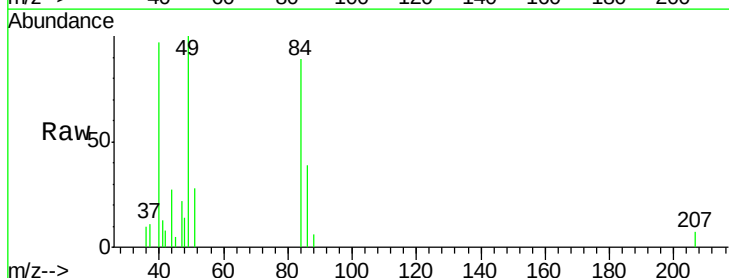
Ion Ratio Lower Upper

84 100

49 112.8 97.2 145.8

51 31.6 31.4 47.0

86 43.8 49.3 73.9#

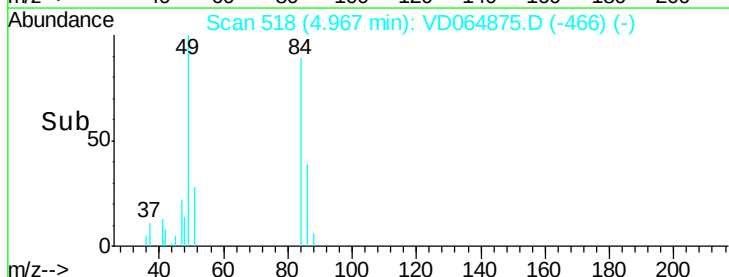
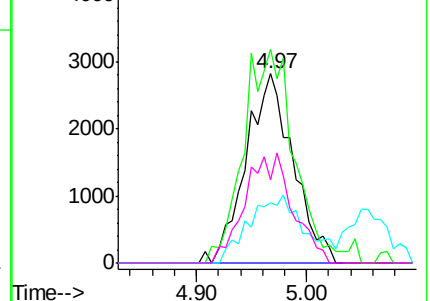


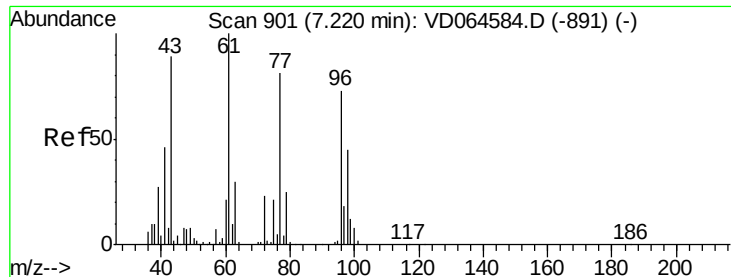
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 5.87 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD064875.D

Acq: 17 Jan 2020 21:00

Instrument :

MSVOA_D

ClientSampled :

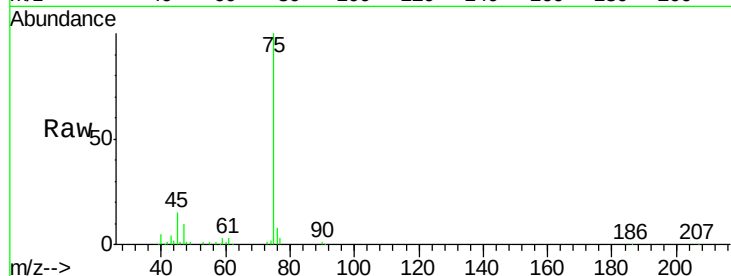
EP-13

Tgt Ion: 43 Resp: 5273

Ion Ratio Lower Upper

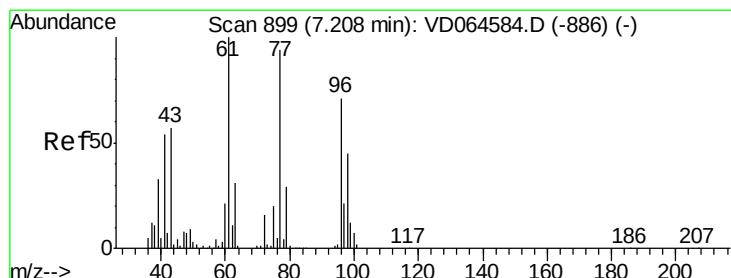
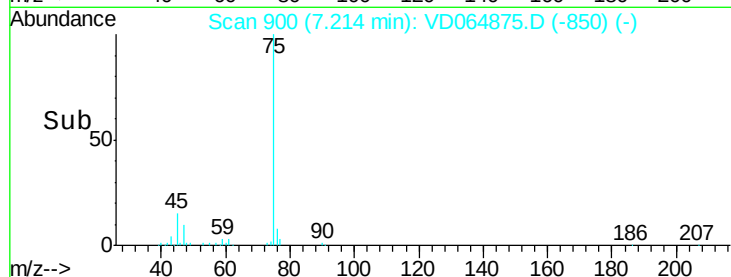
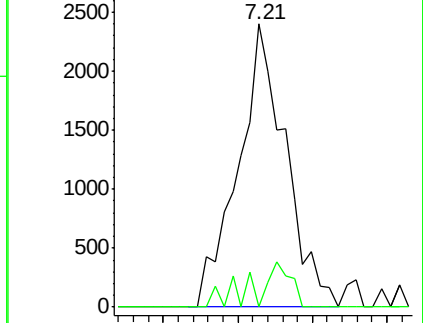
43 100

72 0.0 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 1.20 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064875.D

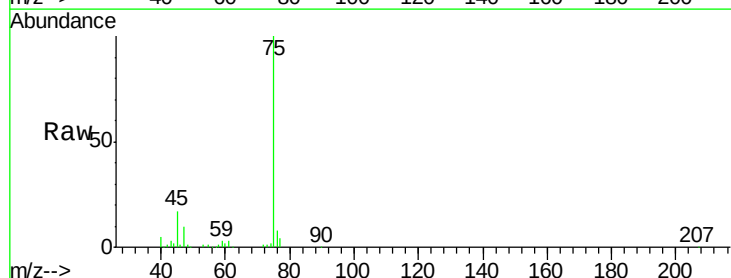
Acq: 17 Jan 2020 21:00

Tgt Ion: 77 Resp: 6822

Ion Ratio Lower Upper

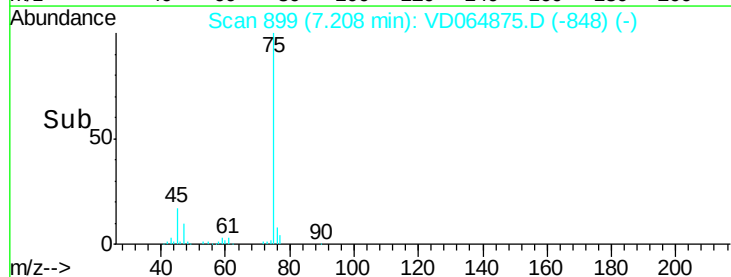
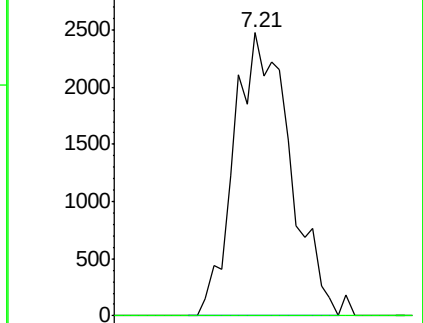
77 100

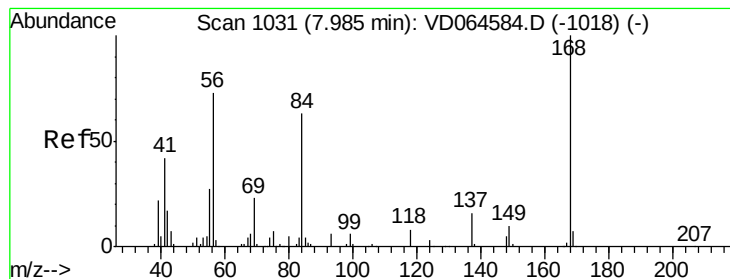
97 0.0 11.2 33.6#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#31

Cyclohexane

Concen: 1.40 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD064875.D

Acq: 17 Jan 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

EP-13

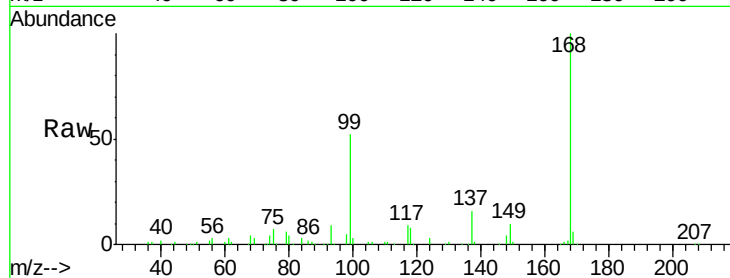
Tgt Ion: 56 Resp: 8530

Ion Ratio Lower Upper

56 100

69 121.0 24.7 37.1#

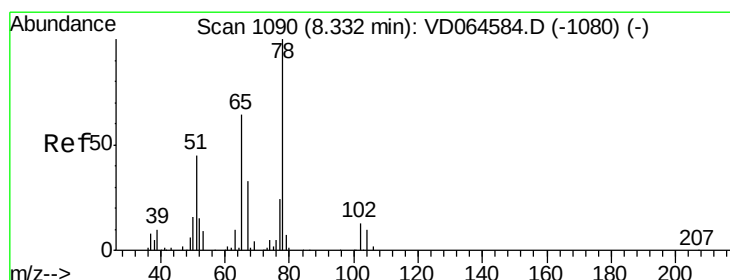
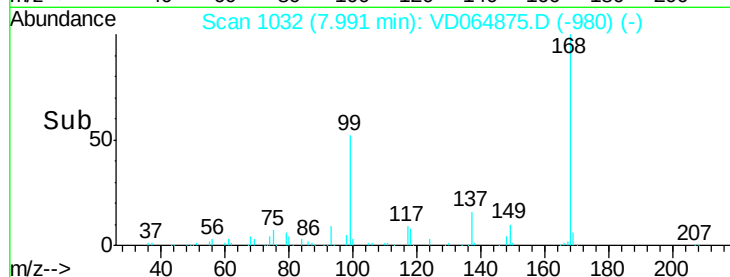
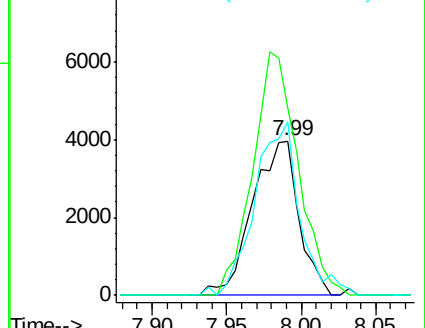
84 111.7 69.4 104.2#



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: 59.64 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064875.D

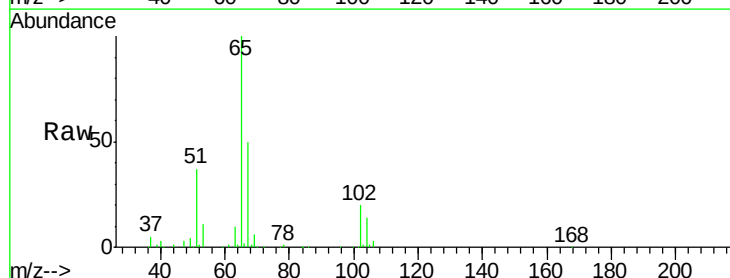
Acq: 17 Jan 2020 21:00

Tgt Ion: 65 Resp: 195029

Ion Ratio Lower Upper

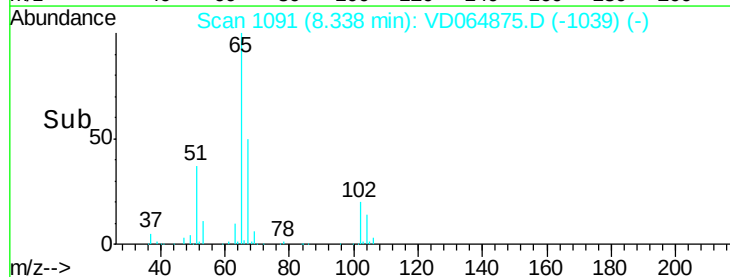
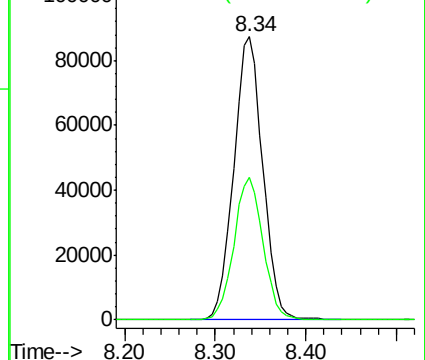
65 100

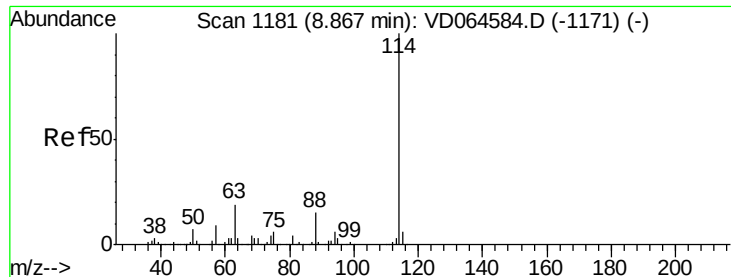
67 50.0 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

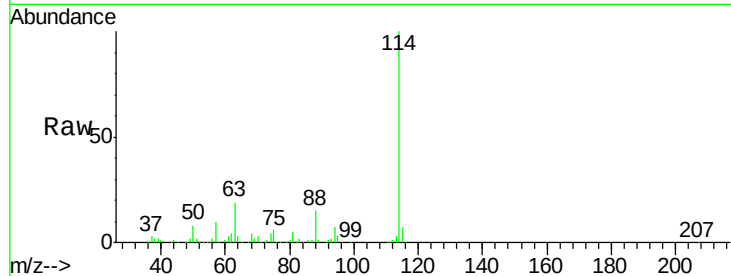




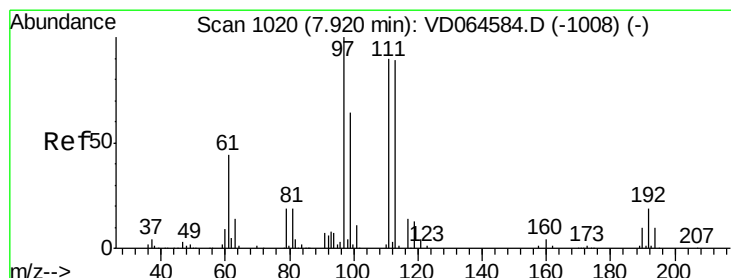
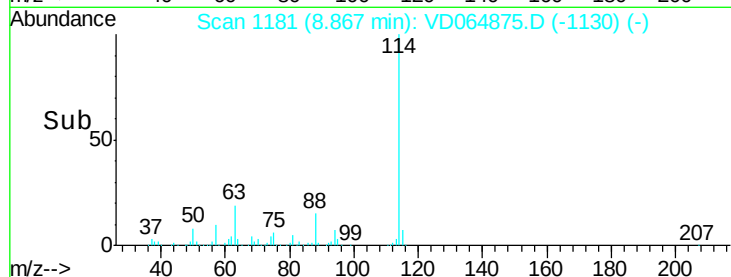
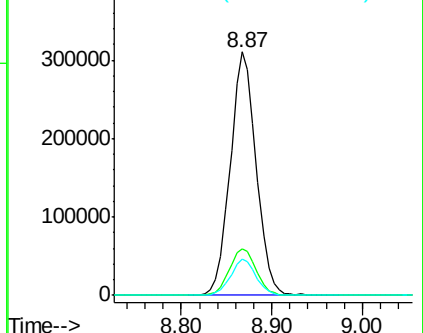
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064875.D
 Acq: 17 Jan 2020 21:00

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-13

Tgt Ion:114 Resp: 617702
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.0
 88 14.8 0.0 29.2

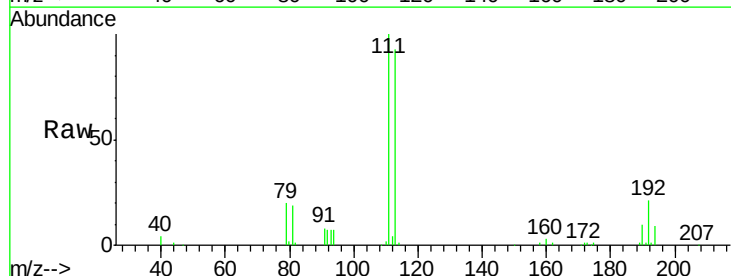


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

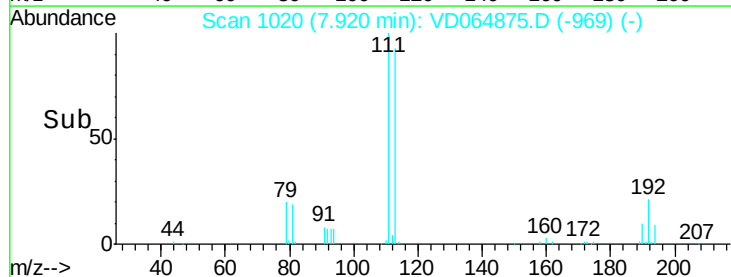
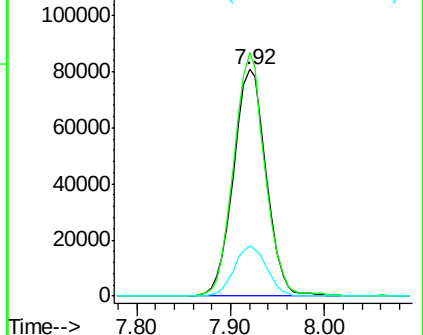


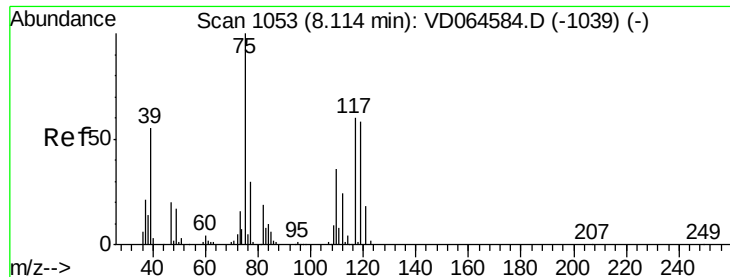
#35
 Dibromofluoromethane
 Concen: 51.54 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064875.D
 Acq: 17 Jan 2020 21:00

Tgt Ion:113 Resp: 195310
 Ion Ratio Lower Upper
 113 100
 111 103.1 80.6 121.0
 192 22.2 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

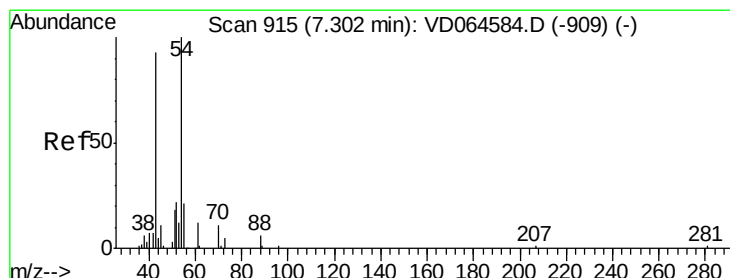
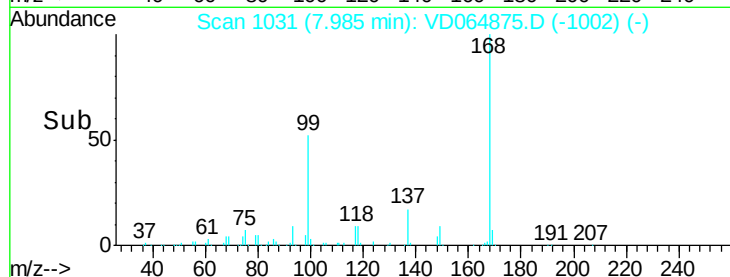
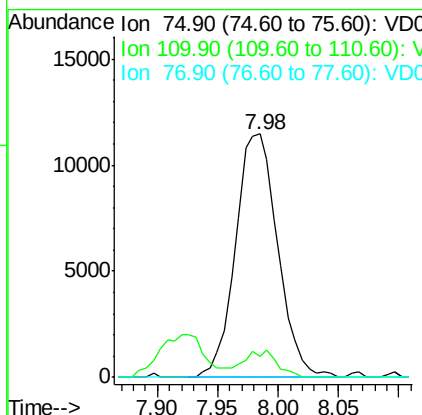
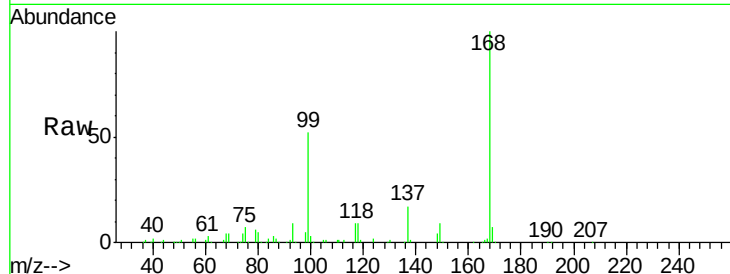




#36
 1,1-Dichloropropene
 Concen: 4.71 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064875.D
 Acq: 17 Jan 2020 21:00

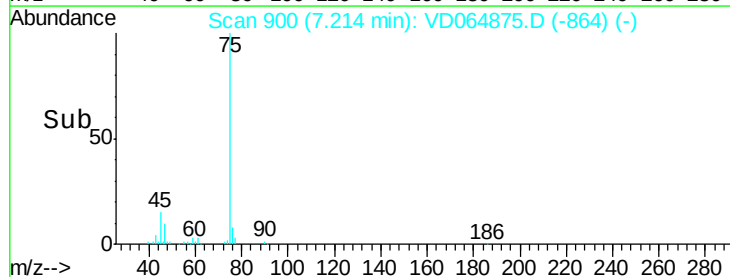
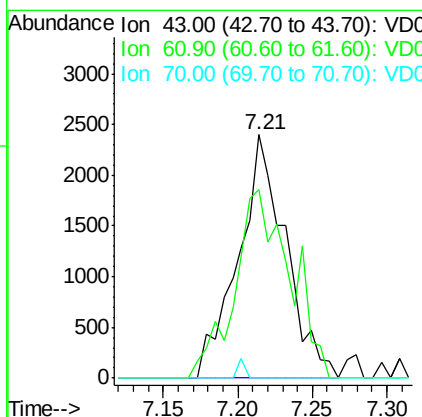
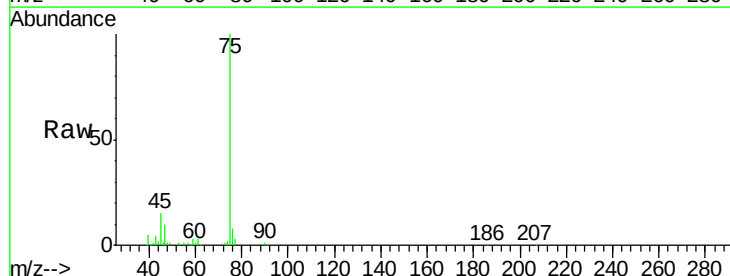
Instrument :
 MSVOA_D
 ClientSampleId :
 EP-13

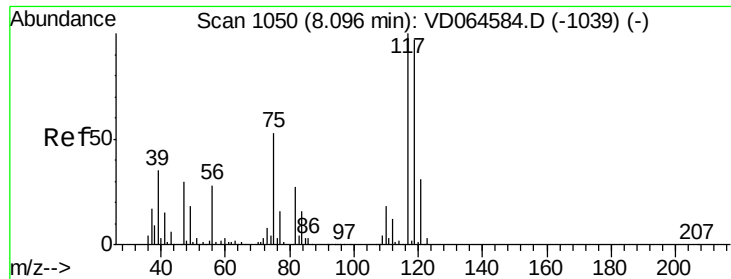
Tgt Ion: 75 Resp: 27974
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.1 54.1#
 77 0.0 24.2 36.4#



#37
 Ethyl Acetate
 Concen: 2.26 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.09 min
 Lab File: VD064875.D
 Acq: 17 Jan 2020 21:00

Tgt Ion: 43 Resp: 5273
 Ion Ratio Lower Upper
 43 100
 61 91.0 10.3 15.5#
 70 1.3 7.6 11.4#





#38

Carbon Tetrachloride

Concen: 5.53 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064875.D

Acq: 17 Jan 2020 21:00

Instrument :

MSVOA_D

ClientSampled :

EP-13

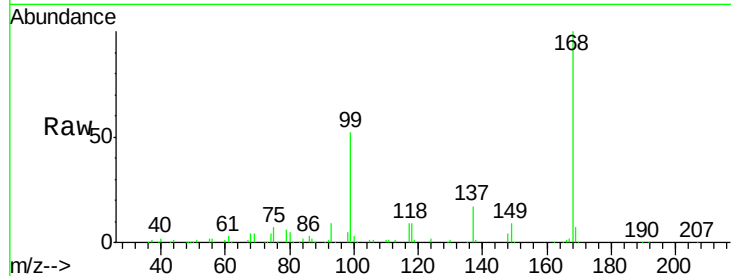
Tgt Ion:117 Resp: 35029

Ion Ratio Lower Upper

117 100

119 6.5 77.3 115.9#

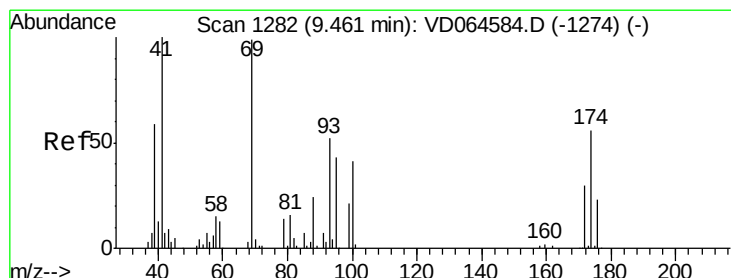
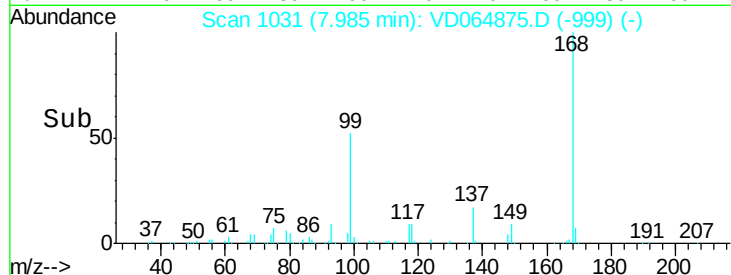
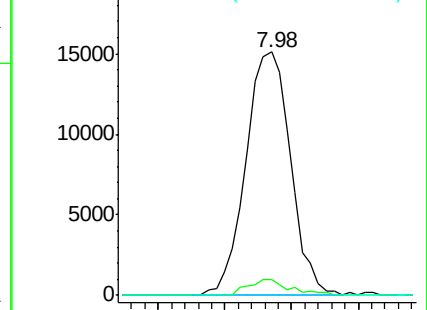
121 0.0 25.0 37.6#



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: 2.65 ug/l

RT: 9.70 min Scan# 1323

Delta R.T. 0.24 min

Lab File: VD064875.D

Acq: 17 Jan 2020 21:00

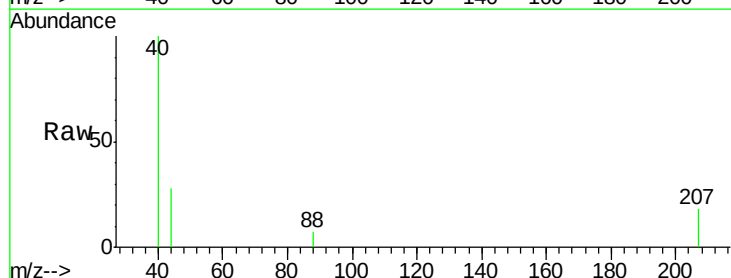
Tgt Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

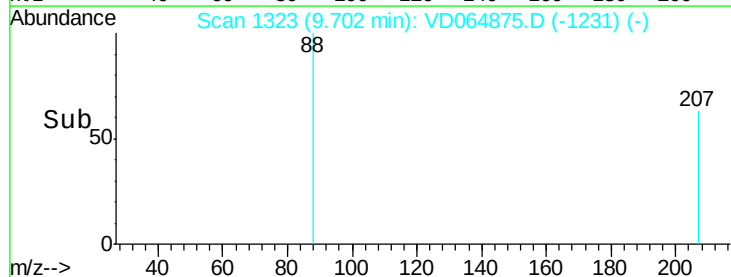
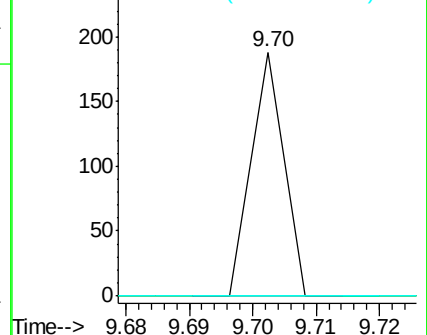
58 0.0 53.8 80.6#

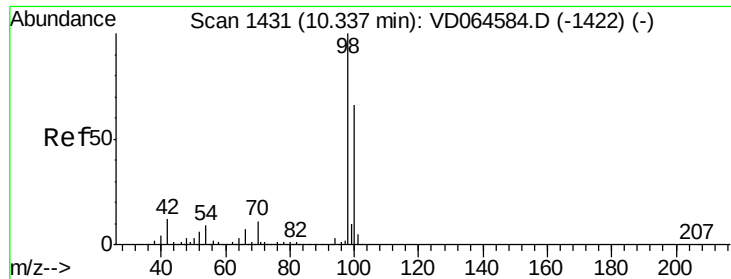


Abundance Ion 88.00 (87.70 to 88.70): V

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V





#50

Toluene-d8

Concen: 51.62 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064875.D

Acq: 17 Jan 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

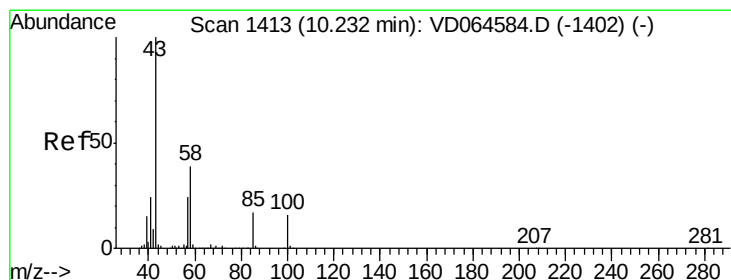
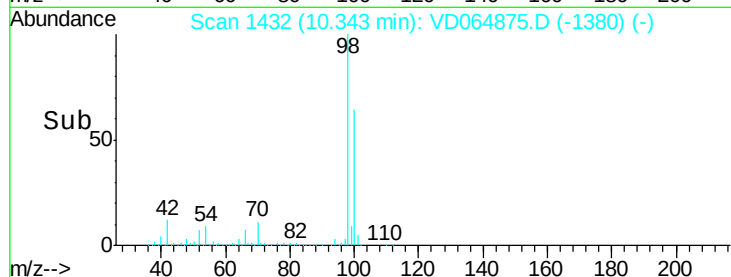
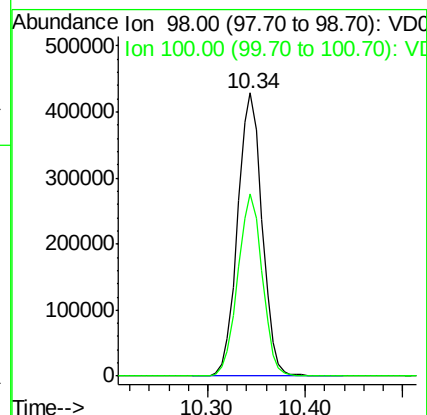
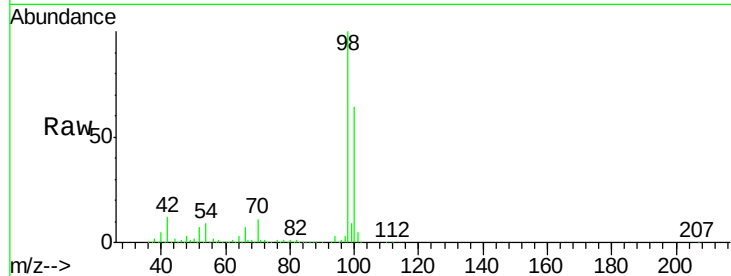
EP-13

Tgt Ion: 98 Resp: 749176

Ion Ratio Lower Upper

98 100

100 64.8 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 1.44 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD064875.D

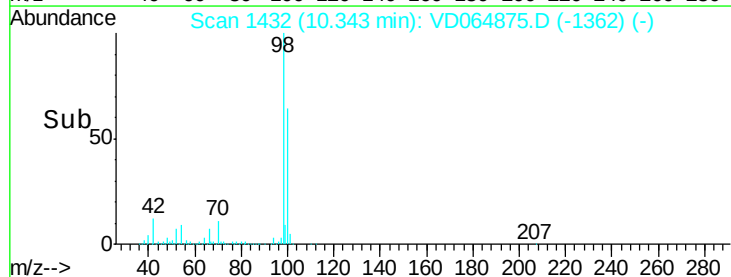
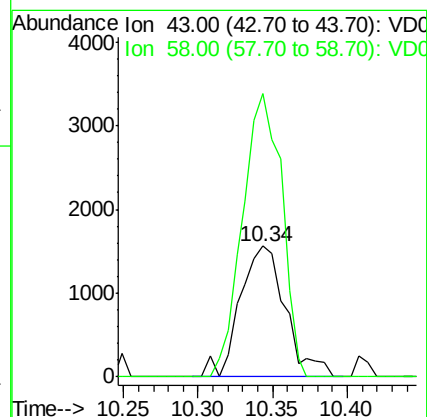
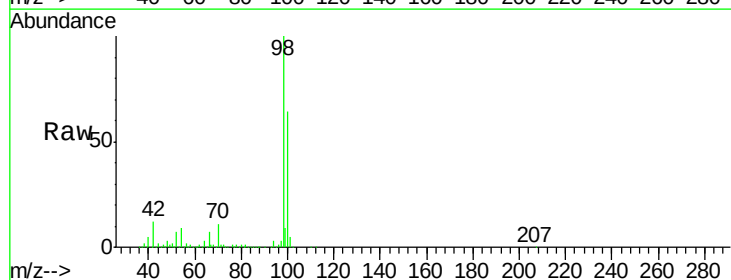
Acq: 17 Jan 2020 21:00

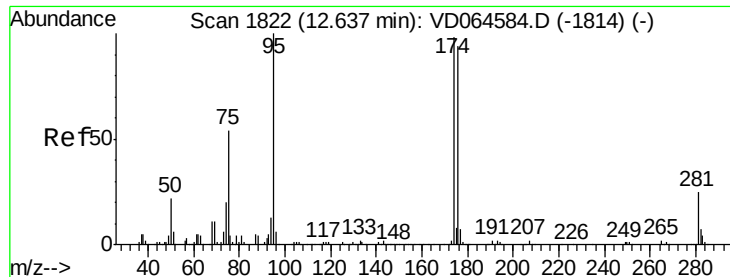
Tgt Ion: 43 Resp: 3305

Ion Ratio Lower Upper

43 100

58 186.4 30.2 45.2#

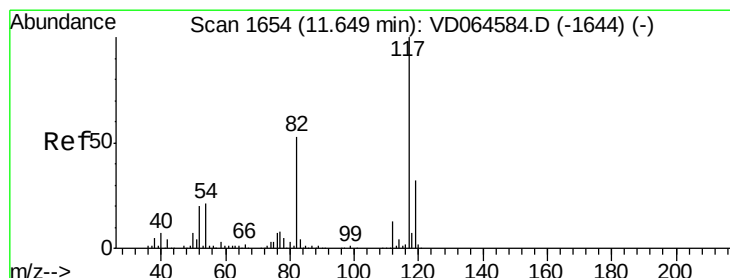
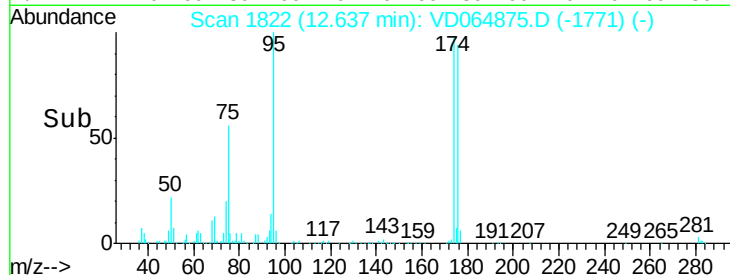
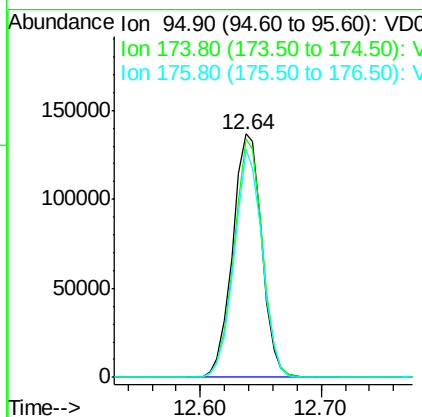
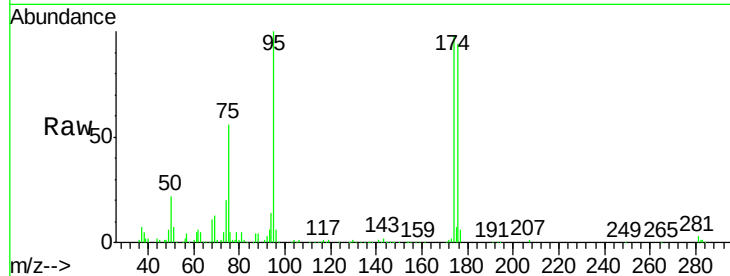




#62
4-Bromofluorobenzene
Concen: 50.09 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064875.D
Acq: 17 Jan 2020 21:00

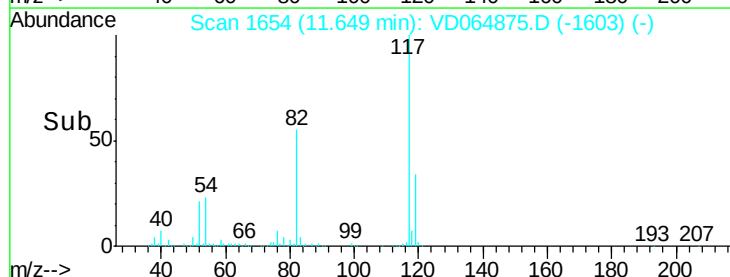
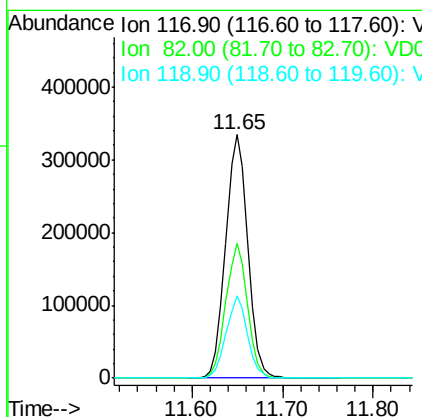
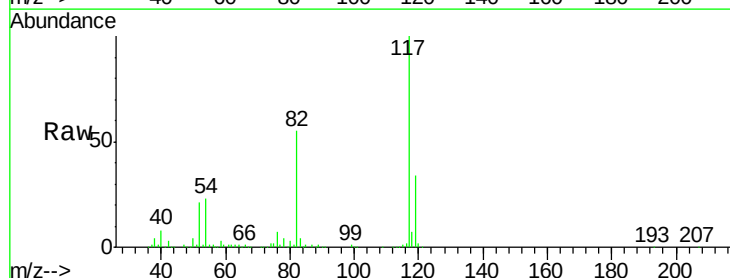
Instrument :
MSVOA_D
ClientSampleId :
EP-13

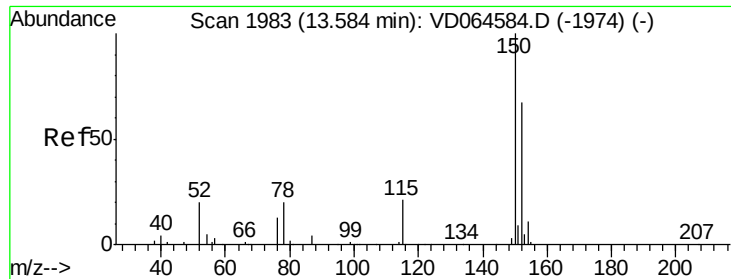
Tgt Ion: 95 Resp: 229886
Ion Ratio Lower Upper
95 100
174 95.5 0.0 193.2
176 89.8 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064875.D
Acq: 17 Jan 2020 21:00

Tgt Ion: 117 Resp: 569207
Ion Ratio Lower Upper
117 100
82 55.4 42.2 63.4
119 33.7 26.0 39.0

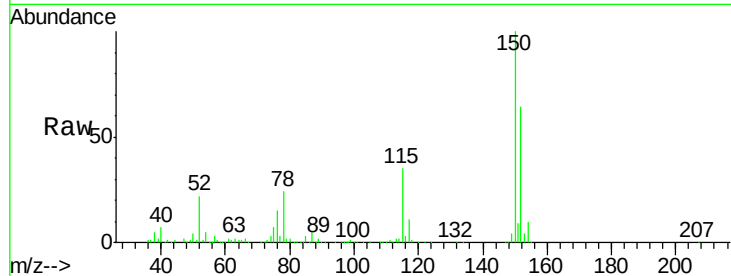




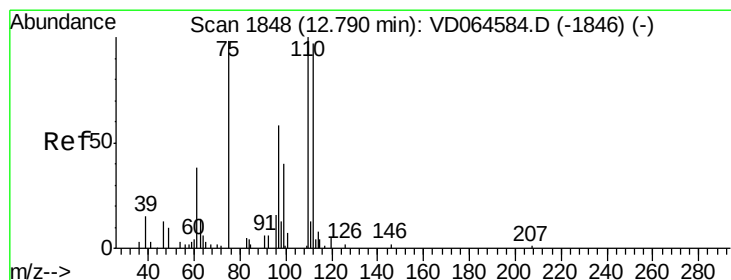
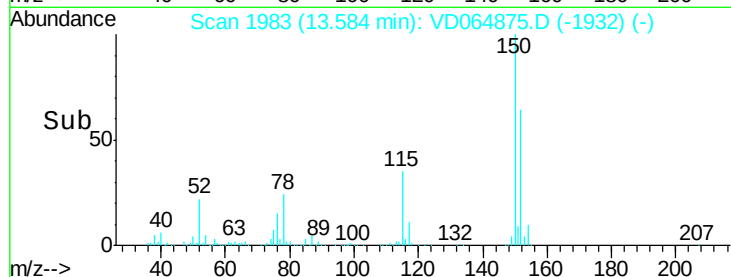
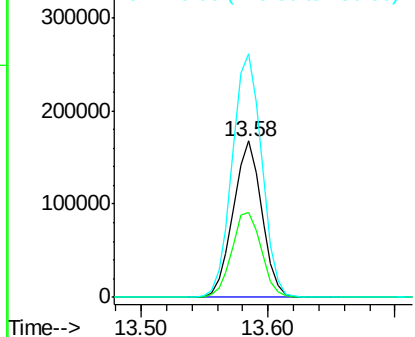
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.58 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VD064875.D
 Acq: 17 Jan 2020 21:00

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-13

Tgt Ion:152 Resp: 260672
 Ion Ratio Lower Upper
 152 100
 115 55.9 27.8 83.4
 150 160.8 0.0 351.4

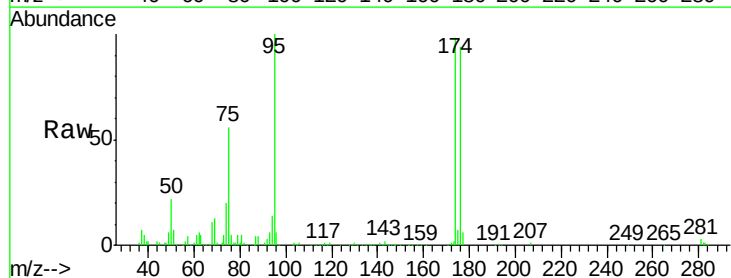


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

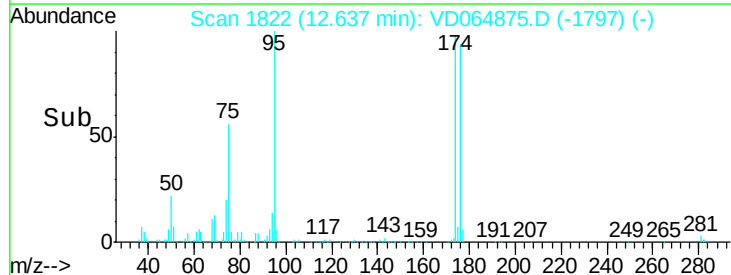
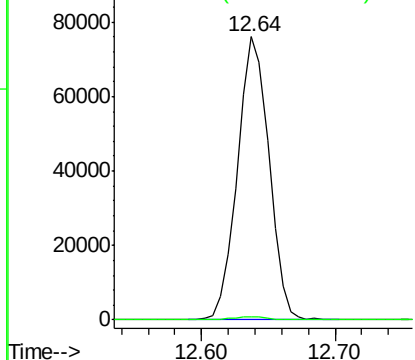


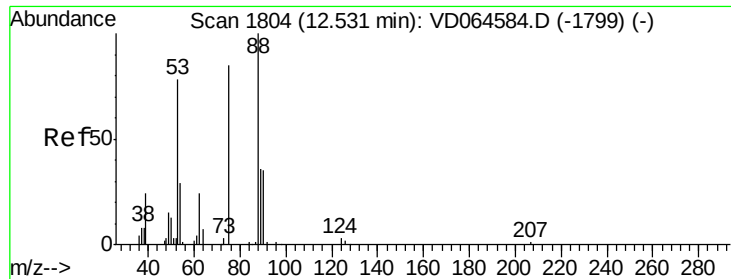
#76
 1,2,3-Trichloropropane
 Concen: 60.35 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD064875.D
 Acq: 17 Jan 2020 21:00

Tgt Ion: 75 Resp: 124233
 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: 126.23 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064875.D

Acq: 17 Jan 2020 21:00

Instrument :

MSVOA_D

ClientSampleId :

EP-13

Tgt Ion: 75 Resp: 124233

Ion Ratio Lower Upper

75 100

53 0.1 78.8 118.2#

89 0.0 38.3 57.5#

