

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD011720\
 Data File : VD064868.D
 Acq On : 17 Jan 2020 17:38
 Operator : VA/SY
 Sample : L1136-08
 Misc : 5.25G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-6

Quant Time: Jan 17 22:53:51 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	393845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	645337	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	606359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	280435	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	201270	57.95	ug/l	0.00
Spiked Amount			Recovery	=	115.90%	
35) Dibromofluoromethane	7.92	113	206724	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
50) Toluene-d8	10.34	98	789191	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
62) 4-Bromofluorobenzene	12.64	95	248109	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	

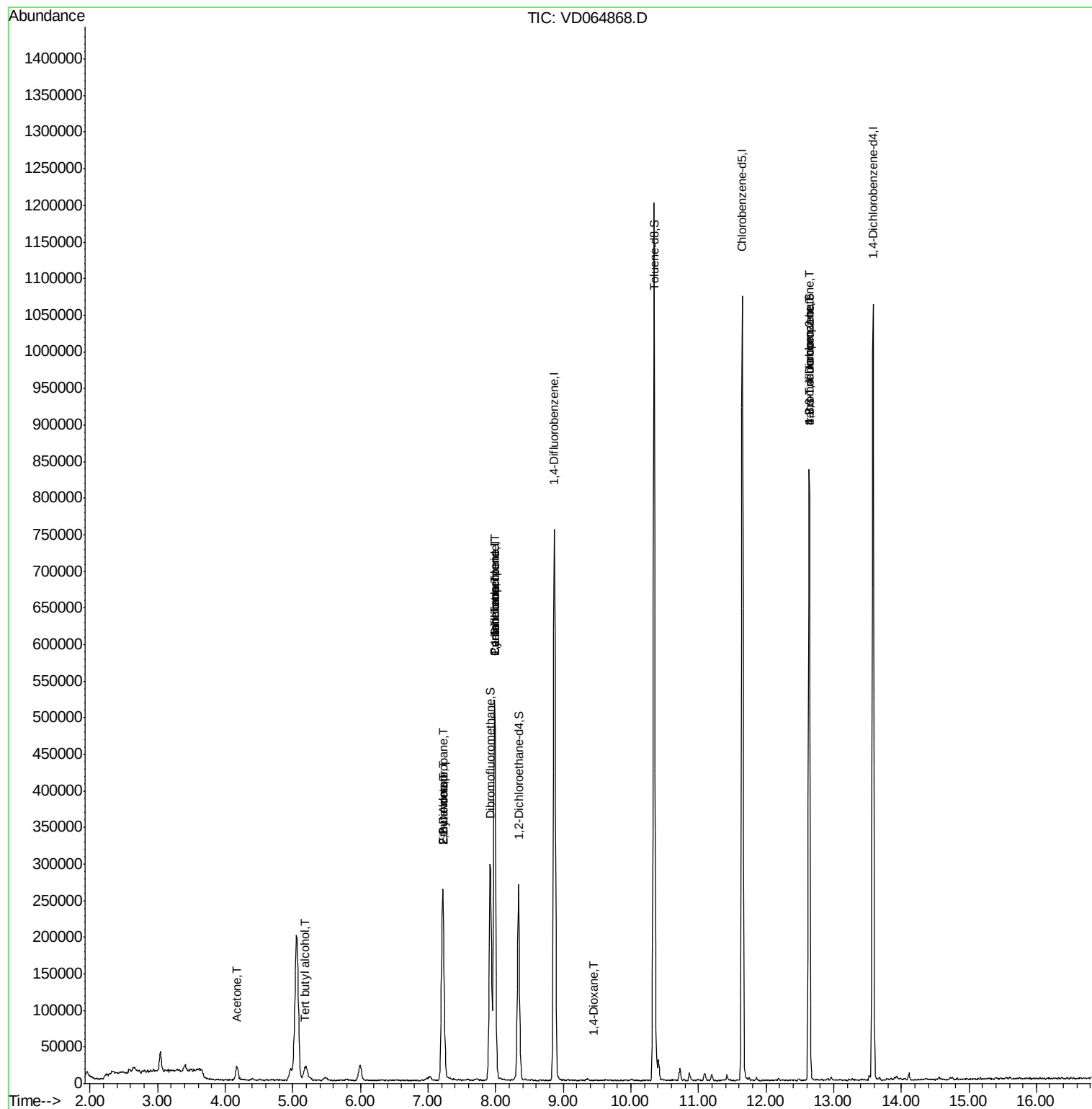
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	20404	102.52	ug/l #	72
16) Acetone	4.17	43	34072	45.83	ug/l	93
20) Methylene Chloride	4.96	84	6146	Below	Cal	89
25) 2-Butanone	7.22	43	14097	14.77	ug/l #	81
26) 2,2-Dichloropropane	7.22	77	18931	3.15	ug/l #	53
31) Cyclohexane	7.98	56	8983	1.39	ug/l #	22
36) 1,1-Dichloropropene	7.98	75	31620	5.09	ug/l #	49
37) Ethyl Acetate	7.22	43	14097	5.78	ug/l #	1
38) Carbon Tetrachloride	7.98	117	37503	5.66	ug/l #	15
49) 1,4-Dioxane	9.45	88	57	2.19	ug/l #	24
76) 1,2,3-Trichloropropane	12.64	75	131360	59.32	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	131360	124.06	ug/l #	10

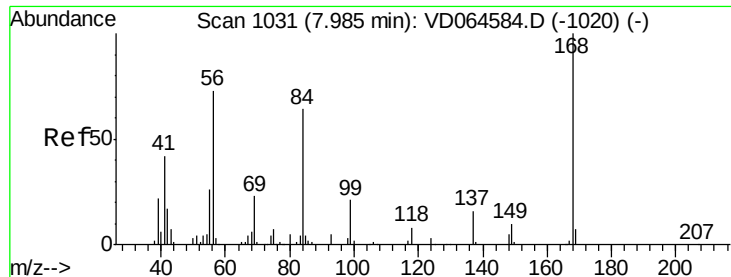
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064868.D

Acq: 17 Jan 2020 17:38

Instrument :

MSVOA_D

ClientSampleId :

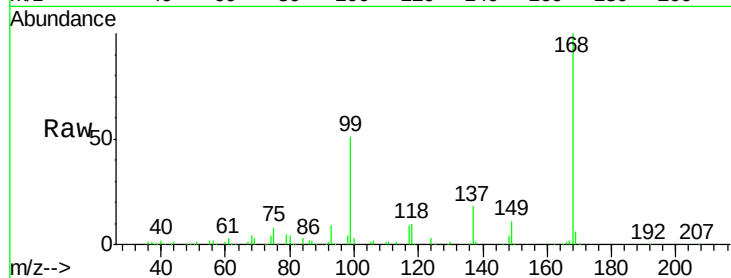
EP-6

Tgt Ion:168 Resp: 393845

Ion Ratio Lower Upper

168 100

99 50.6 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

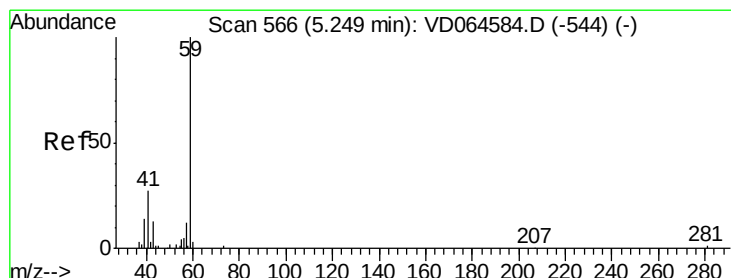
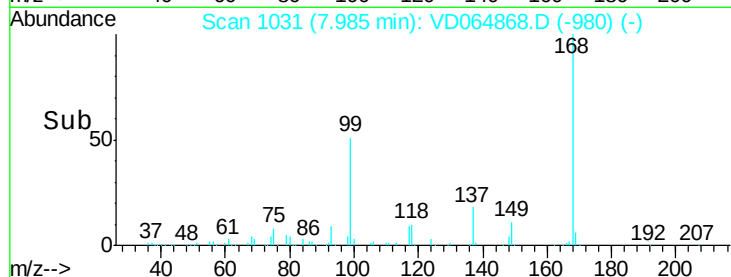
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 102.52 ug/l

RT: 5.18 min Scan# 554

Delta R.T. -0.07 min

Lab File: VD064868.D

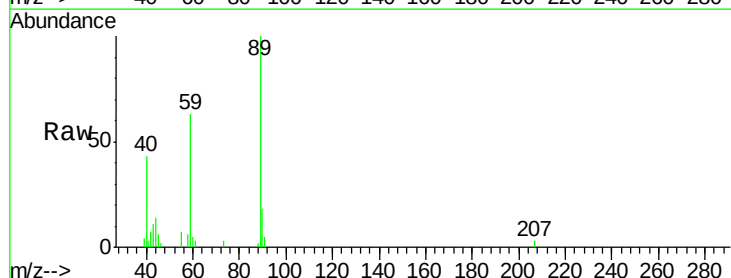
Acq: 17 Jan 2020 17:38

Tgt Ion: 59 Resp: 20404

Ion Ratio Lower Upper

59 100

57 0.6 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.18

5000

4000

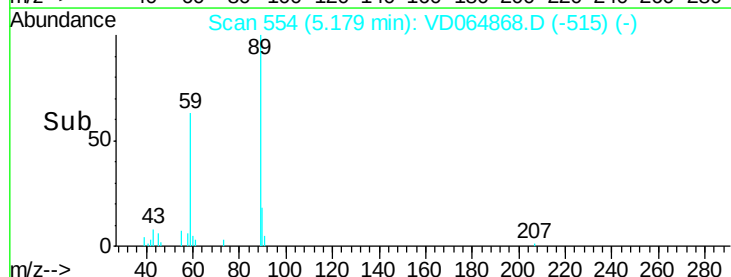
3000

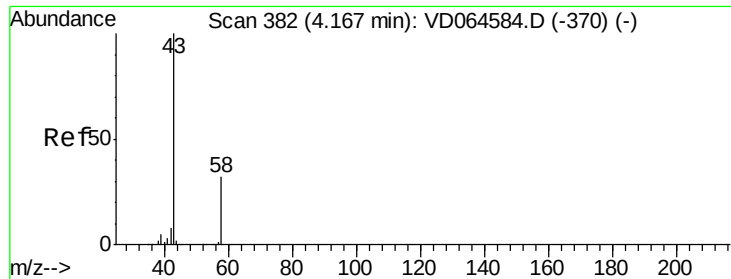
2000

1000

0

Time-->





#16

Acetone

Concen: 45.83 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064868.D

Acq: 17 Jan 2020 17:38

Instrument :

MSVOA_D

ClientSampleId :

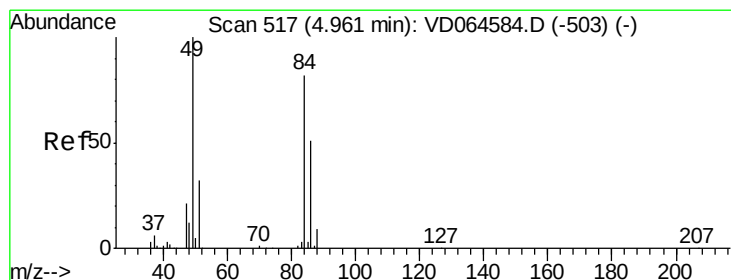
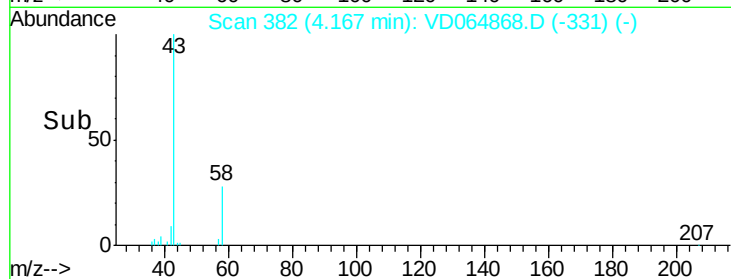
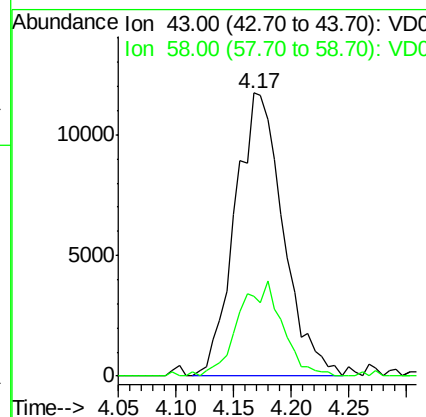
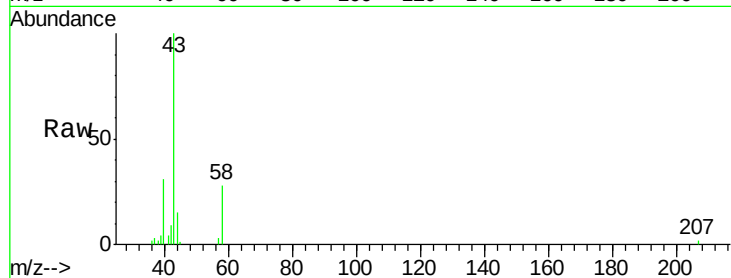
EP-6

Tgt Ion: 43 Resp: 34072

Ion Ratio Lower Upper

43 100

58 28.4 25.8 38.6



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD064868.D

Acq: 17 Jan 2020 17:38

Tgt Ion: 84 Resp: 6146

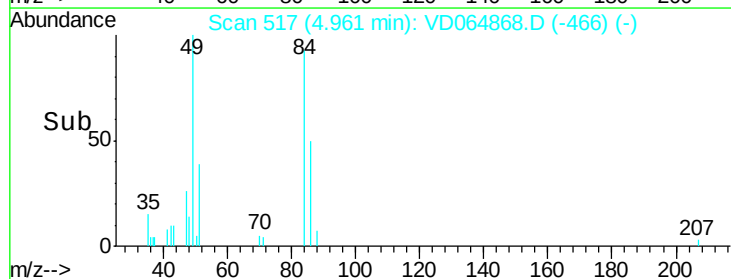
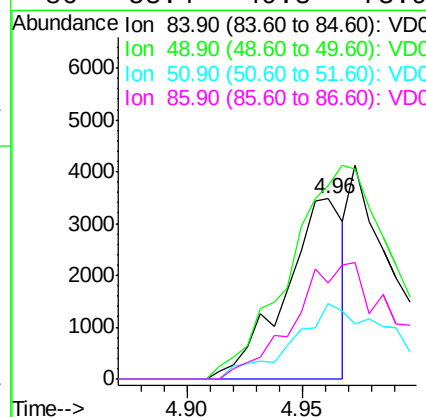
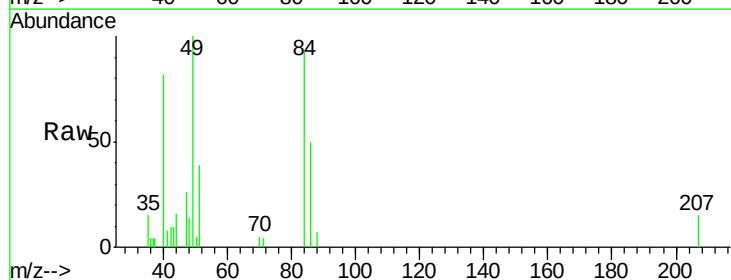
Ion Ratio Lower Upper

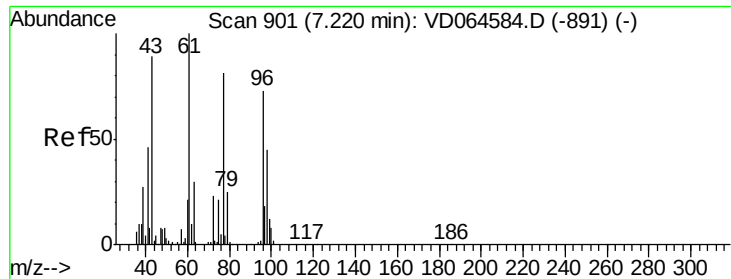
84 100

49 107.4 97.2 145.8

51 41.6 31.4 47.0

86 53.4 49.3 73.9

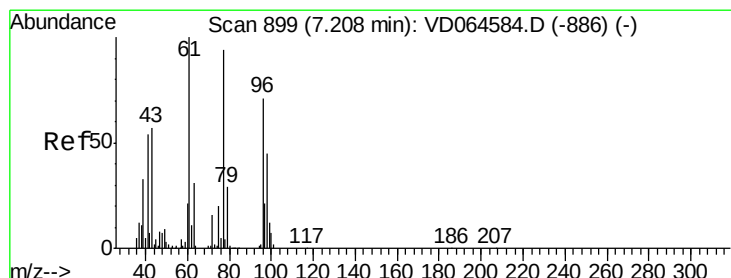
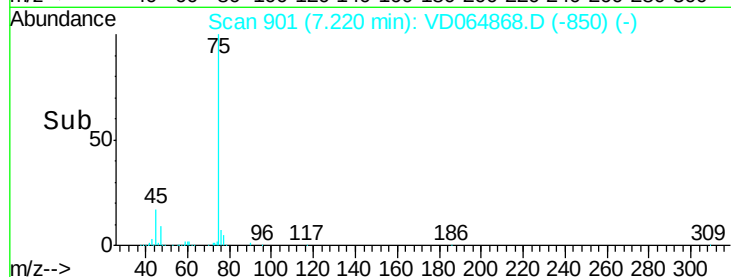
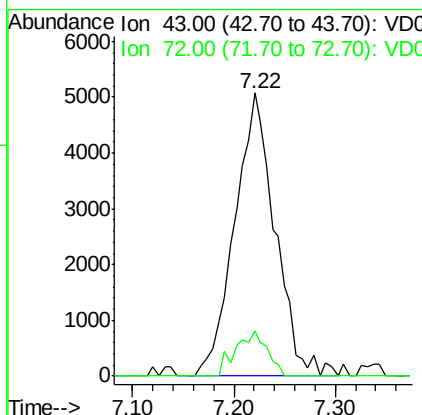
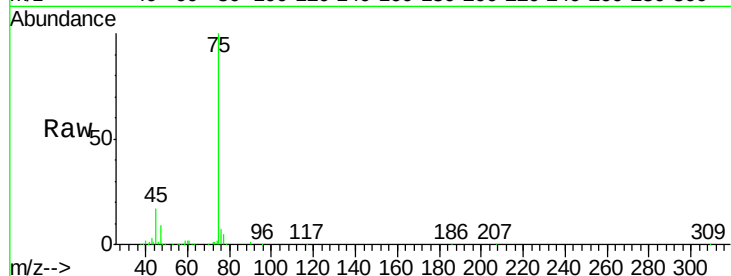




#25
 2-Butanone
 Concen: 14.77 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VD064868.D
 Acq: 17 Jan 2020 17:38

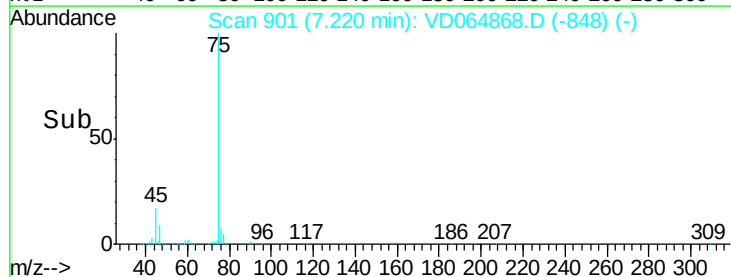
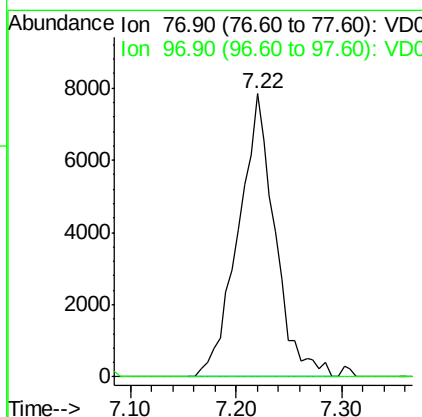
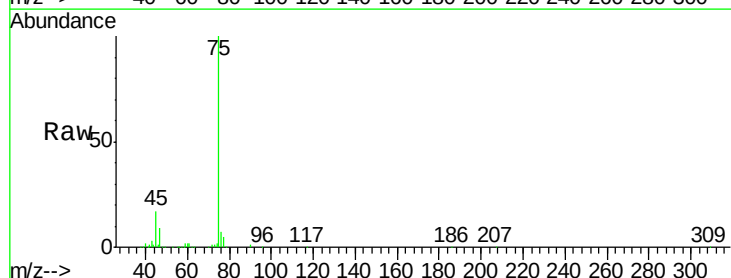
Instrument :
 MSVOA_D
 ClientSampleId :
 EP-6

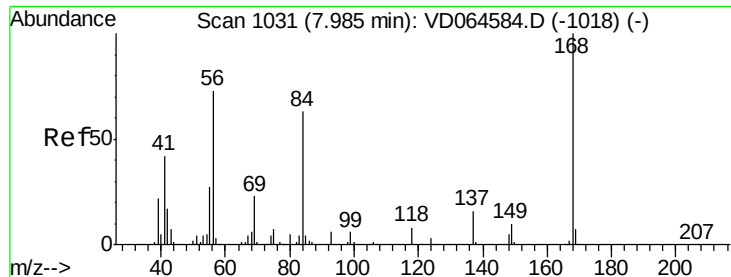
Tgt Ion: 43 Resp: 14097
 Ion Ratio Lower Upper
 43 100
 72 16.2 20.7 31.1#



#26
 2,2-Dichloropropane
 Concen: 3.15 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD064868.D
 Acq: 17 Jan 2020 17:38

Tgt Ion: 77 Resp: 18931
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.2 33.6#

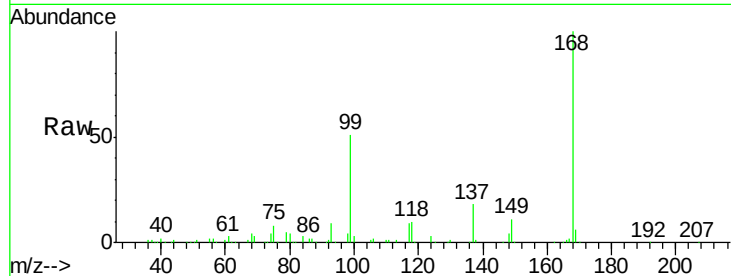




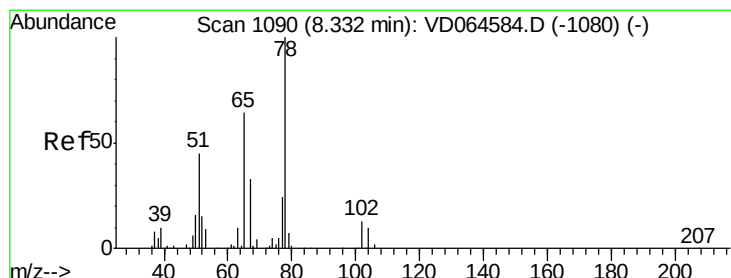
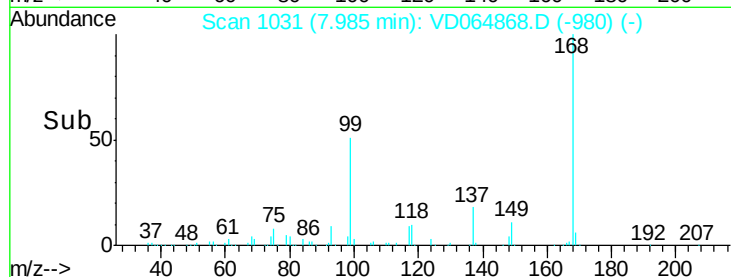
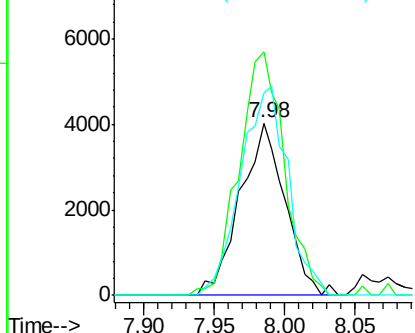
#31
Cyclohexane
Concen: 1.39 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064868.D
Acq: 17 Jan 2020 17:38

Instrument :
MSVOA_D
ClientSampled :
EP-6

Tgt Ion: 56 Resp: 8983
Ion Ratio Lower Upper
56 100
69 141.5 24.7 37.1#
84 118.1 69.4 104.2#

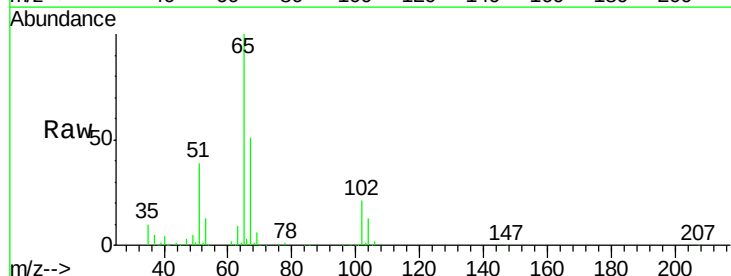


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

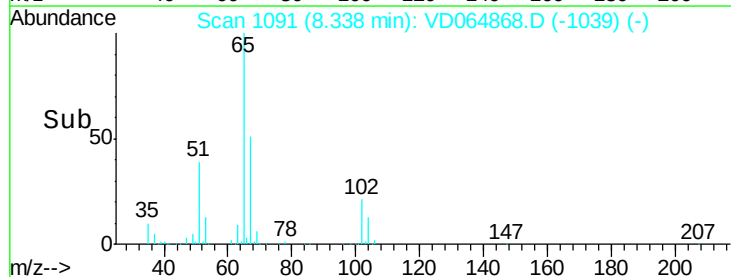
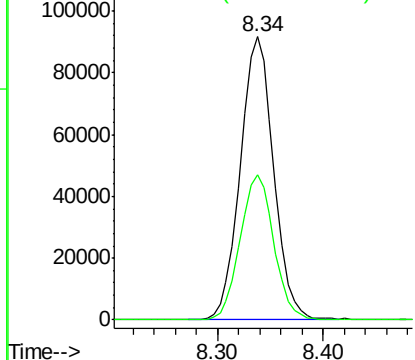


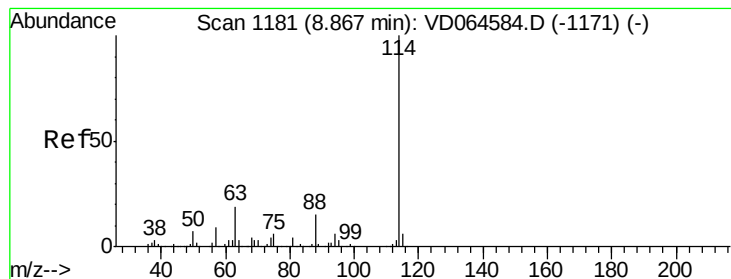
#33
1,2-Dichloroethane-d4
Concen: 57.95 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD064868.D
Acq: 17 Jan 2020 17:38

Tgt Ion: 65 Resp: 201270
Ion Ratio Lower Upper
65 100
67 51.7 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: VD064868.D

Acq: 17 Jan 2020 17:38

Instrument :

MSVOA_D

ClientSampleId :

EP-6

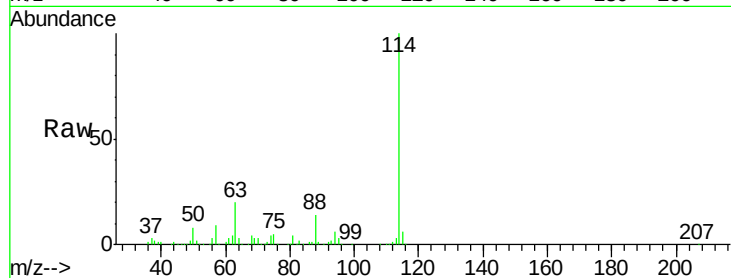
Tgt Ion:114 Resp: 645337

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.0

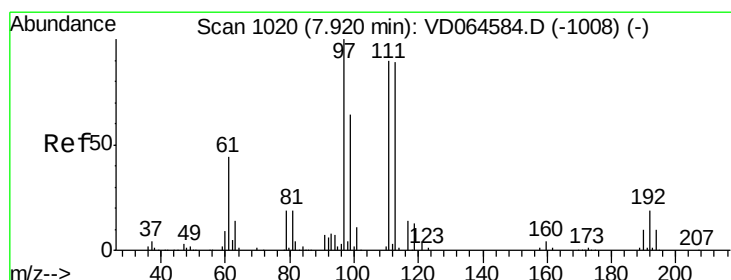
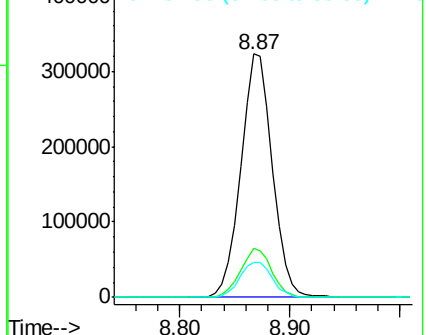
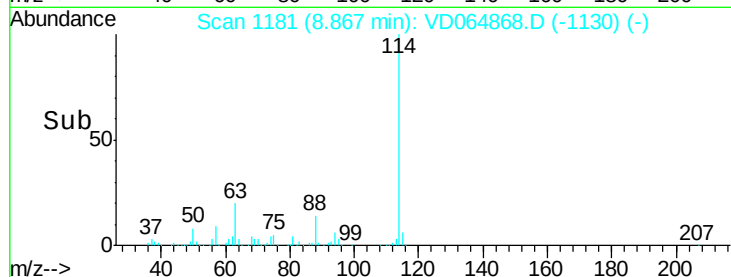
88 14.4 0.0 29.2



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: 52.21 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064868.D

Acq: 17 Jan 2020 17:38

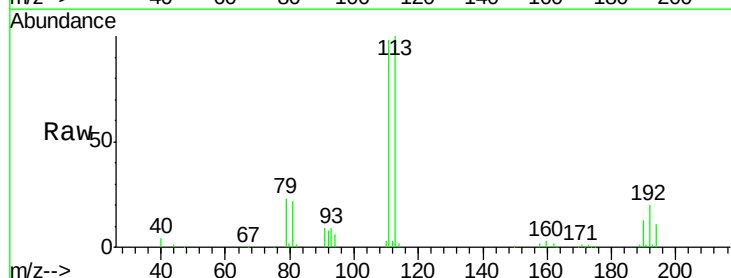
Tgt Ion:113 Resp: 206724

Ion Ratio Lower Upper

113 100

111 103.4 80.6 121.0

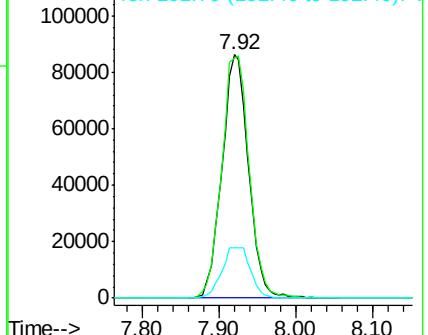
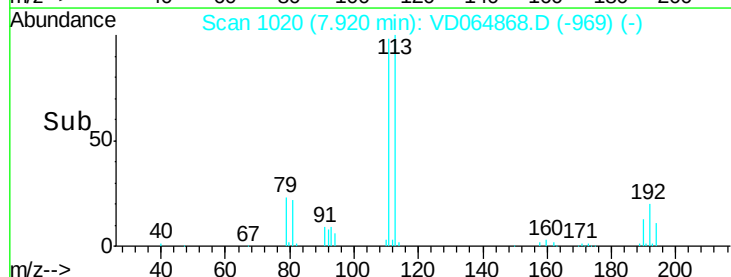
192 22.5 17.9 26.9

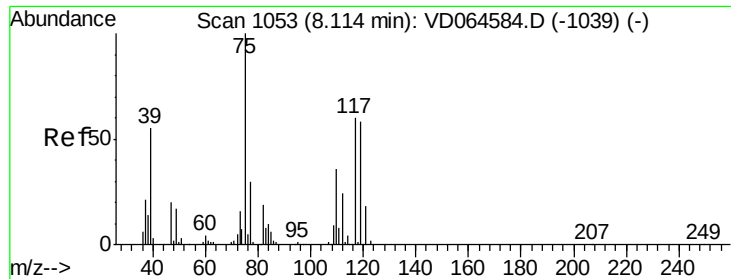


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

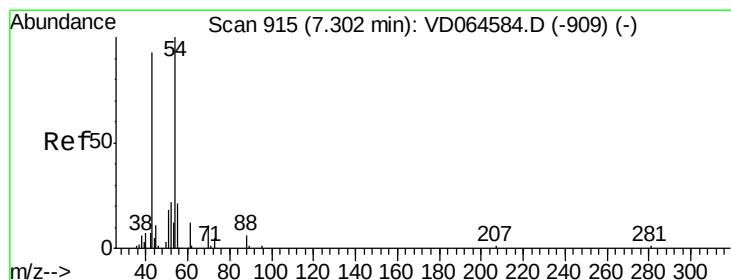
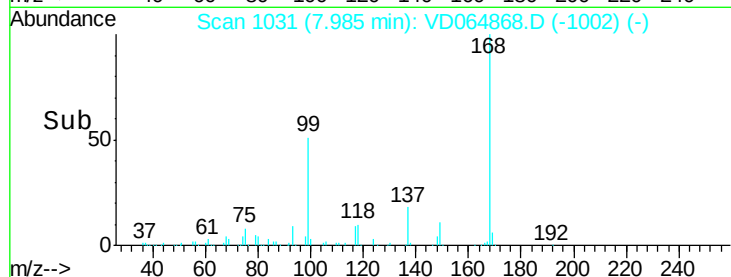
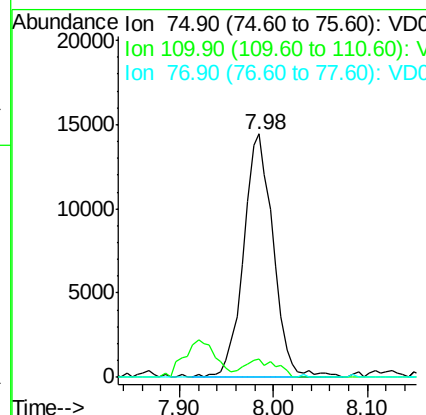
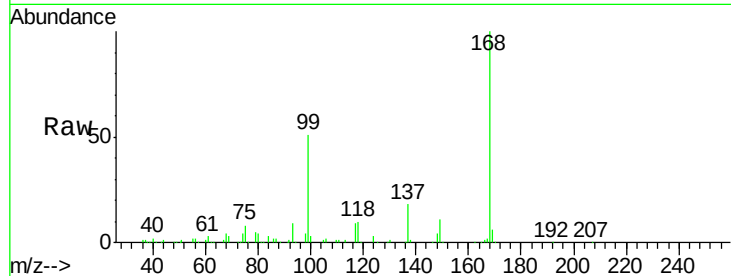




#36
 1,1-Dichloropropene
 Concen: 5.09 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064868.D
 Acq: 17 Jan 2020 17:38

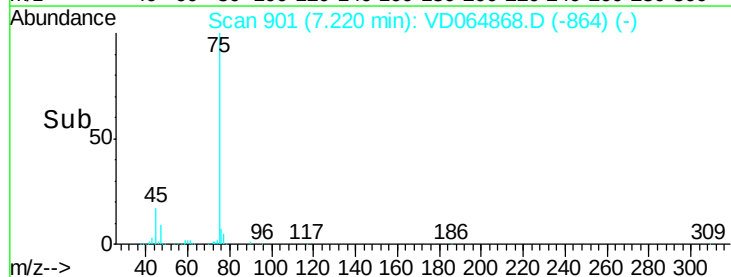
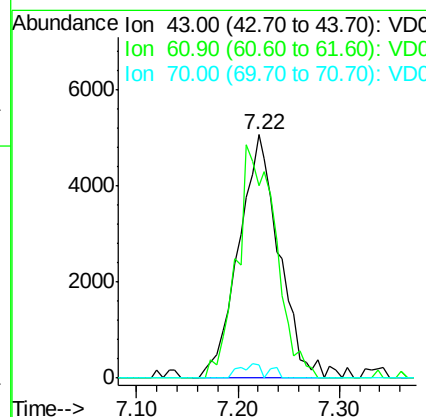
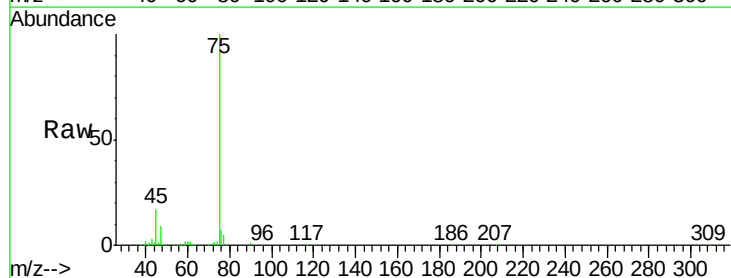
Instrument :
 MSVOA_D
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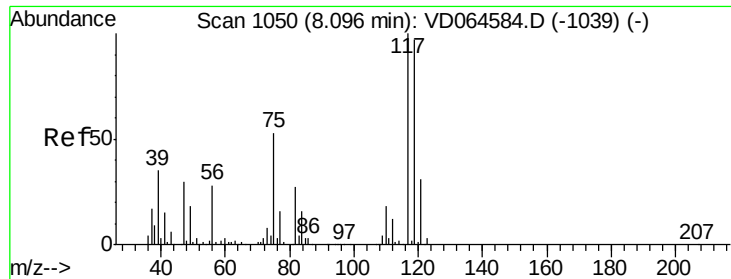
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.1	54.1#
77	0.0	24.2	36.4#



#37
 Ethyl Acetate
 Concen: 5.78 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. -0.08 min
 Lab File: VD064868.D
 Acq: 17 Jan 2020 17:38

Tgt Ion	Ratio	Lower	Upper
43	100		
61	91.3	10.3	15.5#
70	2.9	7.6	11.4#

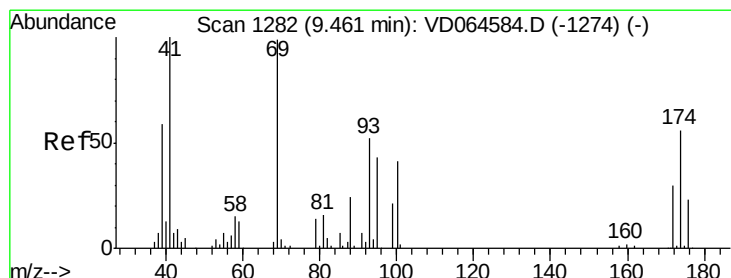
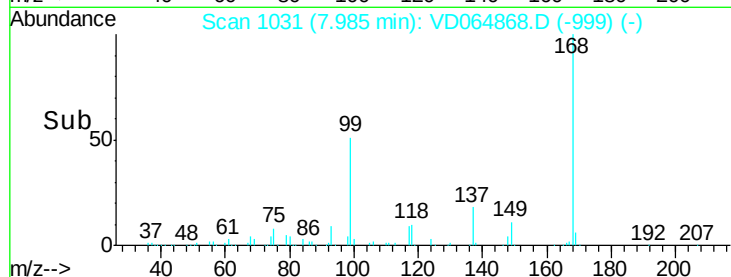
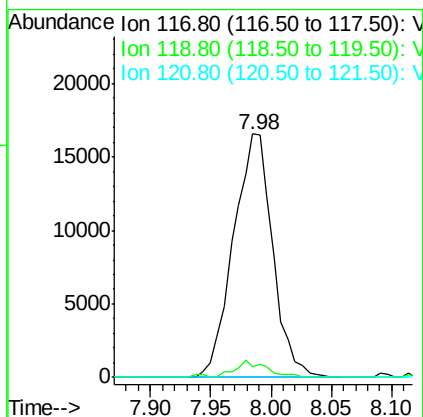
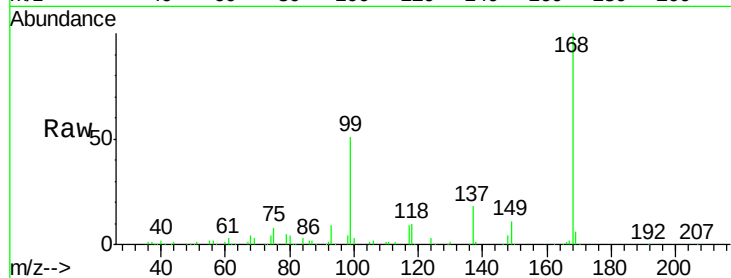




#38
Carbon Tetrachloride
Concen: 5.66 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064868.D
Acq: 17 Jan 2020 17:38

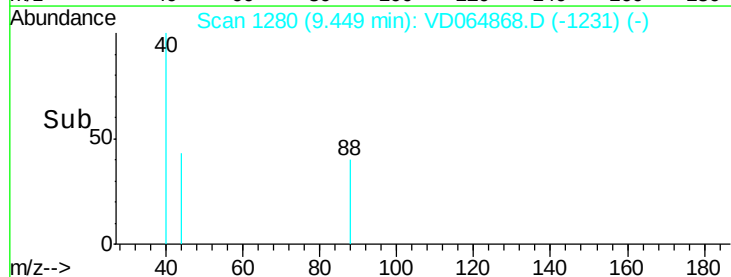
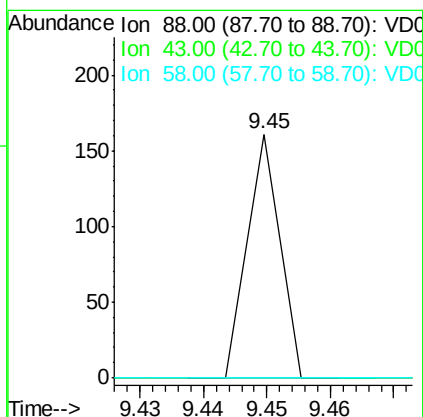
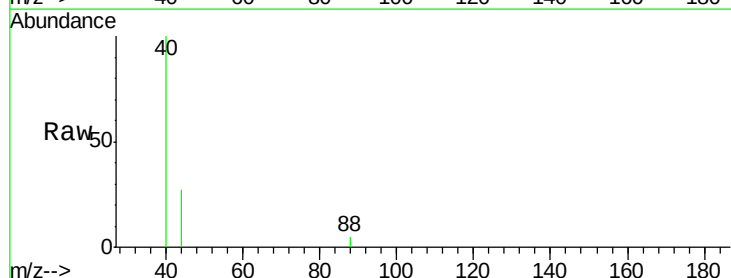
Instrument :
MSVOA_D
ClientSampled :
EP-6

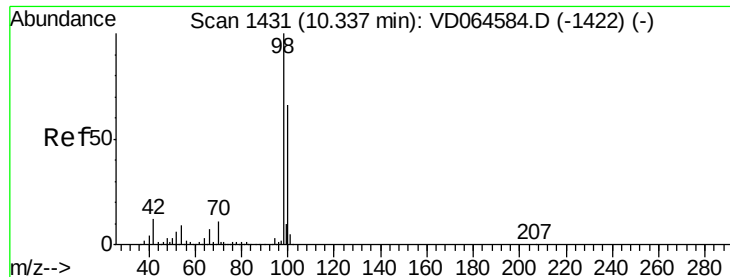
Tgt Ion: 117 Resp: 37503
Ion Ratio Lower Upper
117 100
119 4.3 77.3 115.9#
121 0.0 25.0 37.6#



#49
1,4-Dioxane
Concen: 2.19 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD064868.D
Acq: 17 Jan 2020 17:38

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 0.0 27.7 41.5#
58 0.0 53.8 80.6#





#50

Toluene-d8

Concen: 52.05 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064868.D

Acq: 17 Jan 2020 17:38

Instrument :

MSVOA_D

ClientSampled :

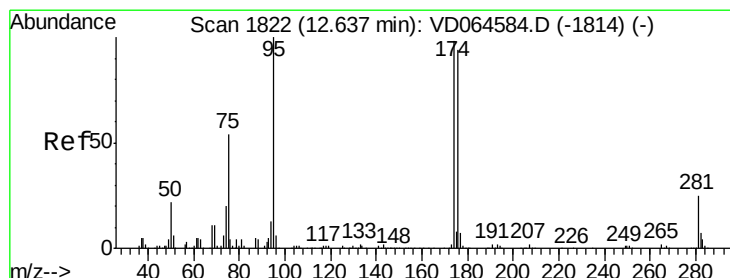
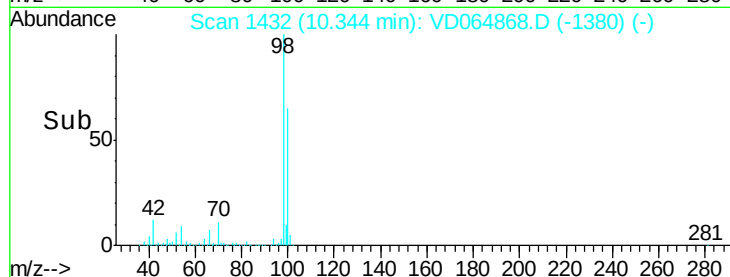
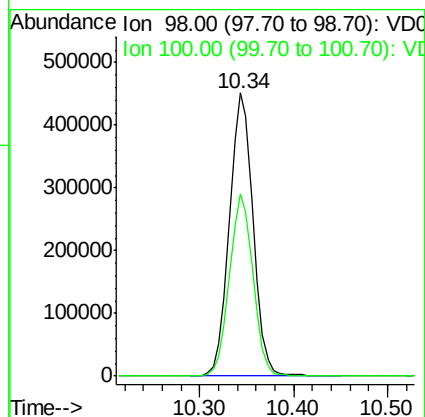
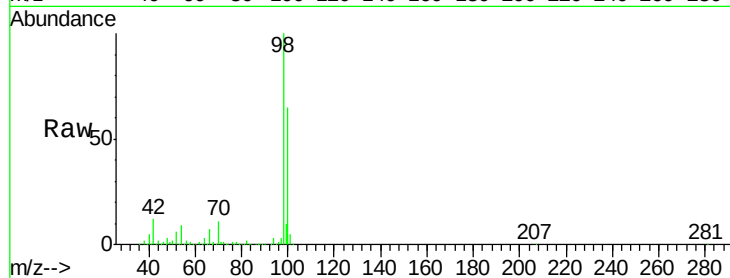
EP-6

Tgt Ion: 98 Resp: 789191

Ion Ratio Lower Upper

98 100

100 64.3 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 51.74 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064868.D

Acq: 17 Jan 2020 17:38

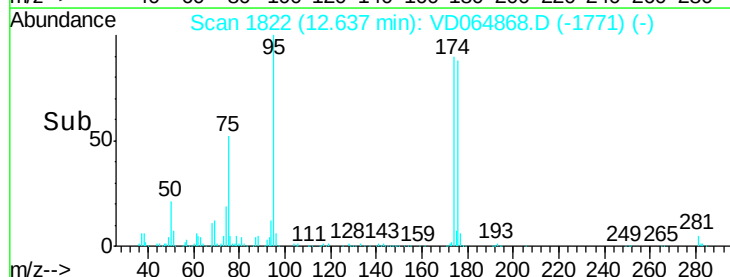
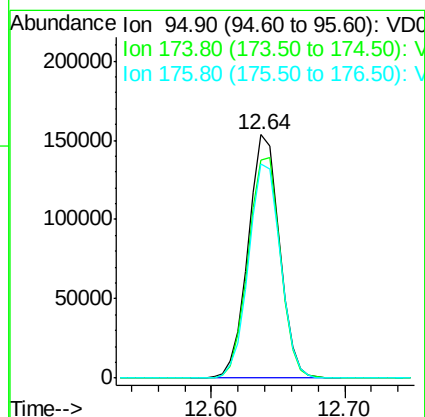
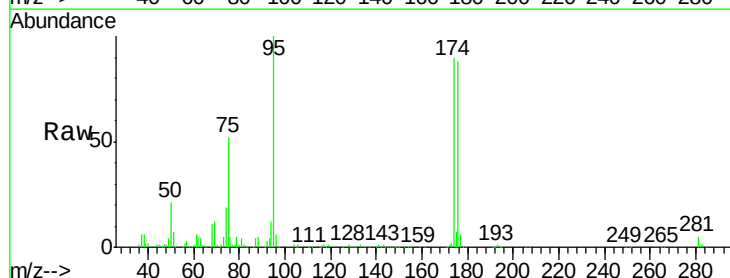
Tgt Ion: 95 Resp: 248109

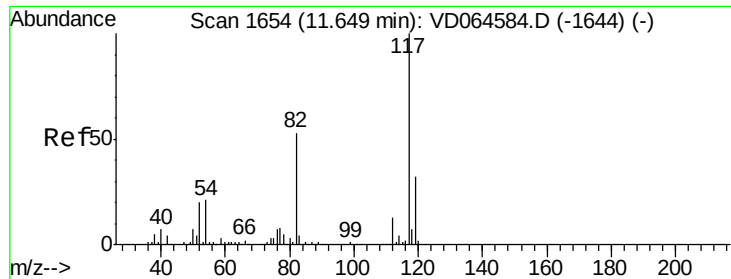
Ion Ratio Lower Upper

95 100

174 93.0 0.0 193.2

176 89.5 0.0 184.2

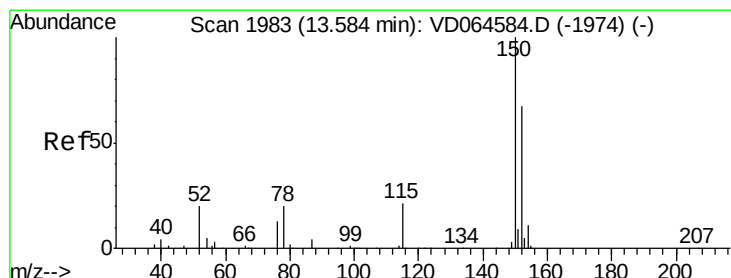
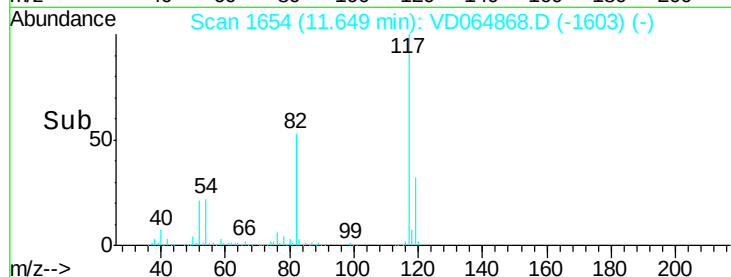
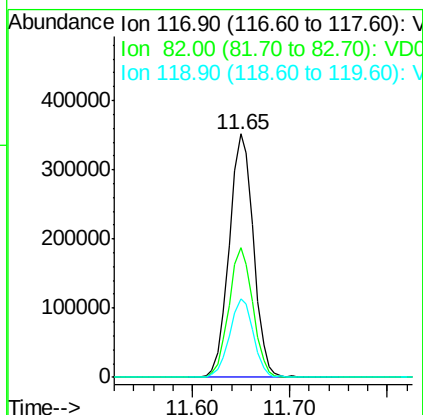
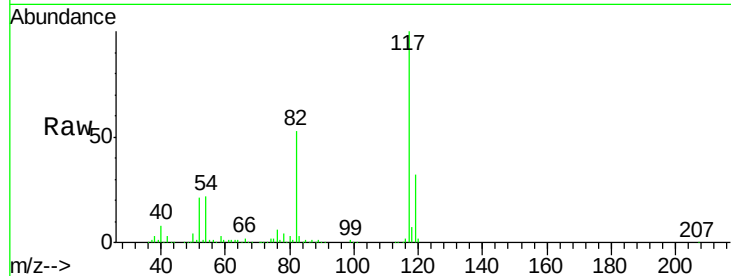




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064868.D
Acq: 17 Jan 2020 17:38

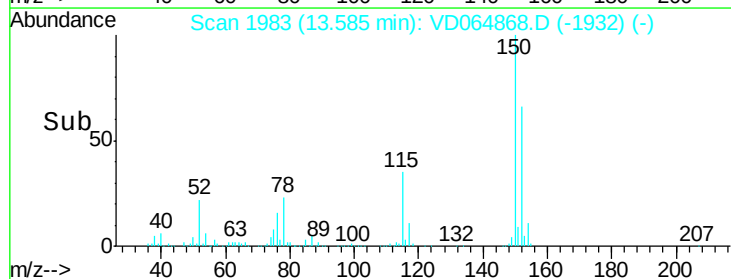
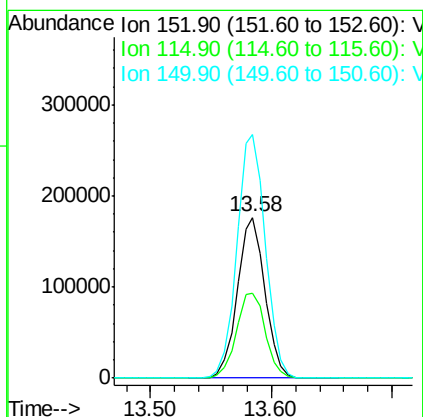
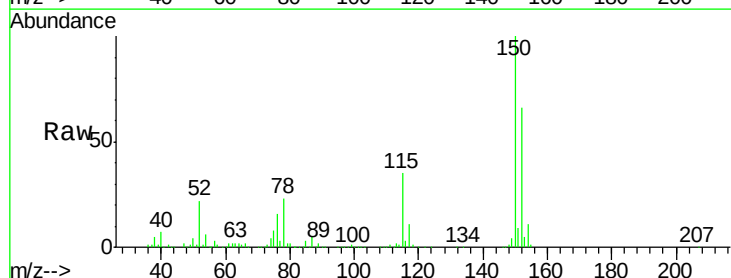
Instrument :
MSVOA_D
ClientSampleId :
EP-6

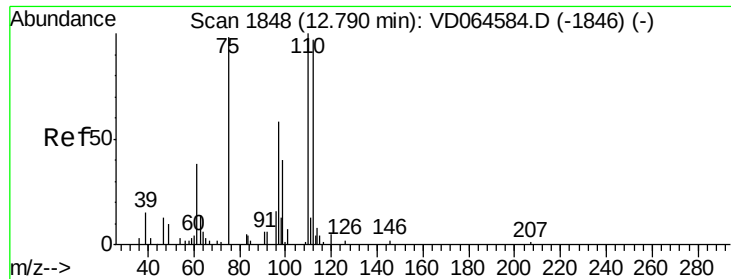
Tgt Ion:117 Resp: 606359
Ion Ratio Lower Upper
117 100
82 53.2 42.2 63.4
119 32.5 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064868.D
Acq: 17 Jan 2020 17:38

Tgt Ion:152 Resp: 280435
Ion Ratio Lower Upper
152 100
115 56.0 27.8 83.4
150 156.6 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 59.32 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064868.D

Acq: 17 Jan 2020 17:38

Instrument :

MSVOA_D

ClientSampleId :

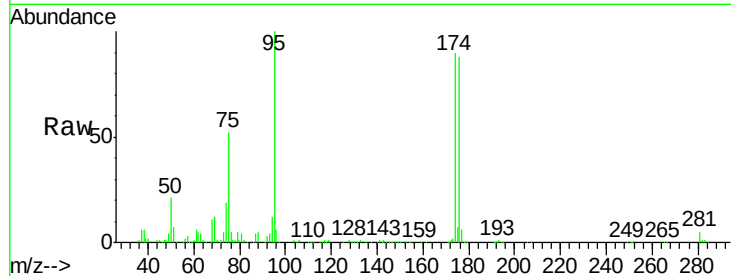
EP-6

Tgt Ion: 75 Resp: 131360

Ion Ratio Lower Upper

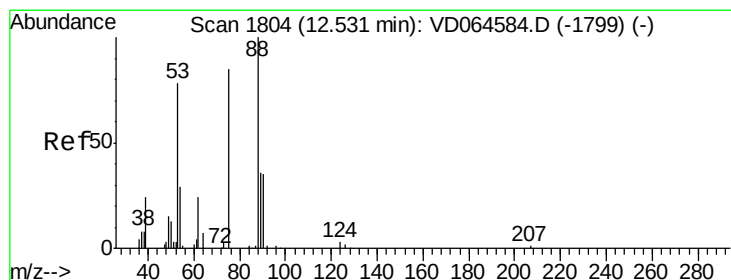
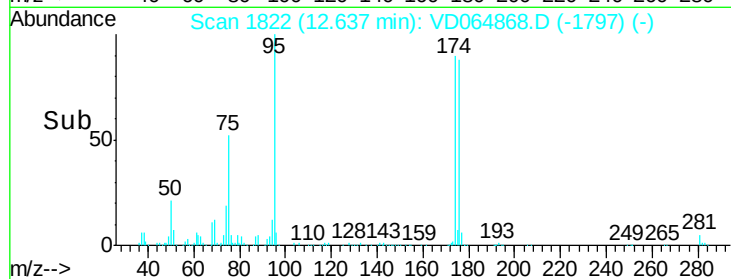
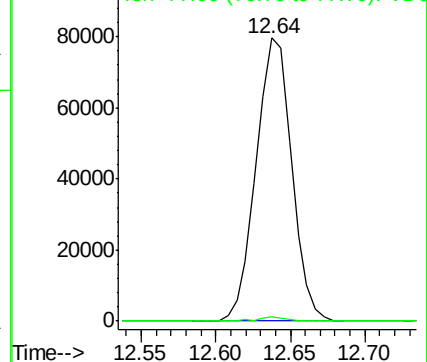
75 100

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: 124.06 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064868.D

Acq: 17 Jan 2020 17:38

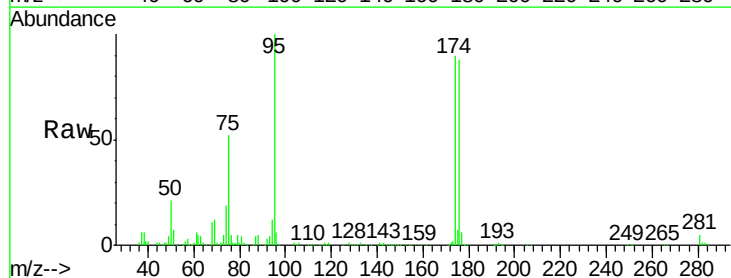
Tgt Ion: 75 Resp: 131360

Ion Ratio Lower Upper

75 100

53 0.1 78.8 118.2#

89 0.0 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

