

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012420\
 Data File : VD064947.D
 Acq On : 24 Jan 2020 17:09
 Operator : VA/SY
 Sample : L1243-10RE
 Misc : 6.77G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 25 02:39:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	453097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	718638	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	633506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	240168	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	201879	46.45	ug/l	0.00
Spiked Amount			Recovery	=	92.90%	
35) Dibromofluoromethane	7.92	113	218435	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	
50) Toluene-d8	10.34	98	861372	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.64	95	243187	45.59	ug/l	0.00
Spiked Amount			Recovery	=	91.18%	

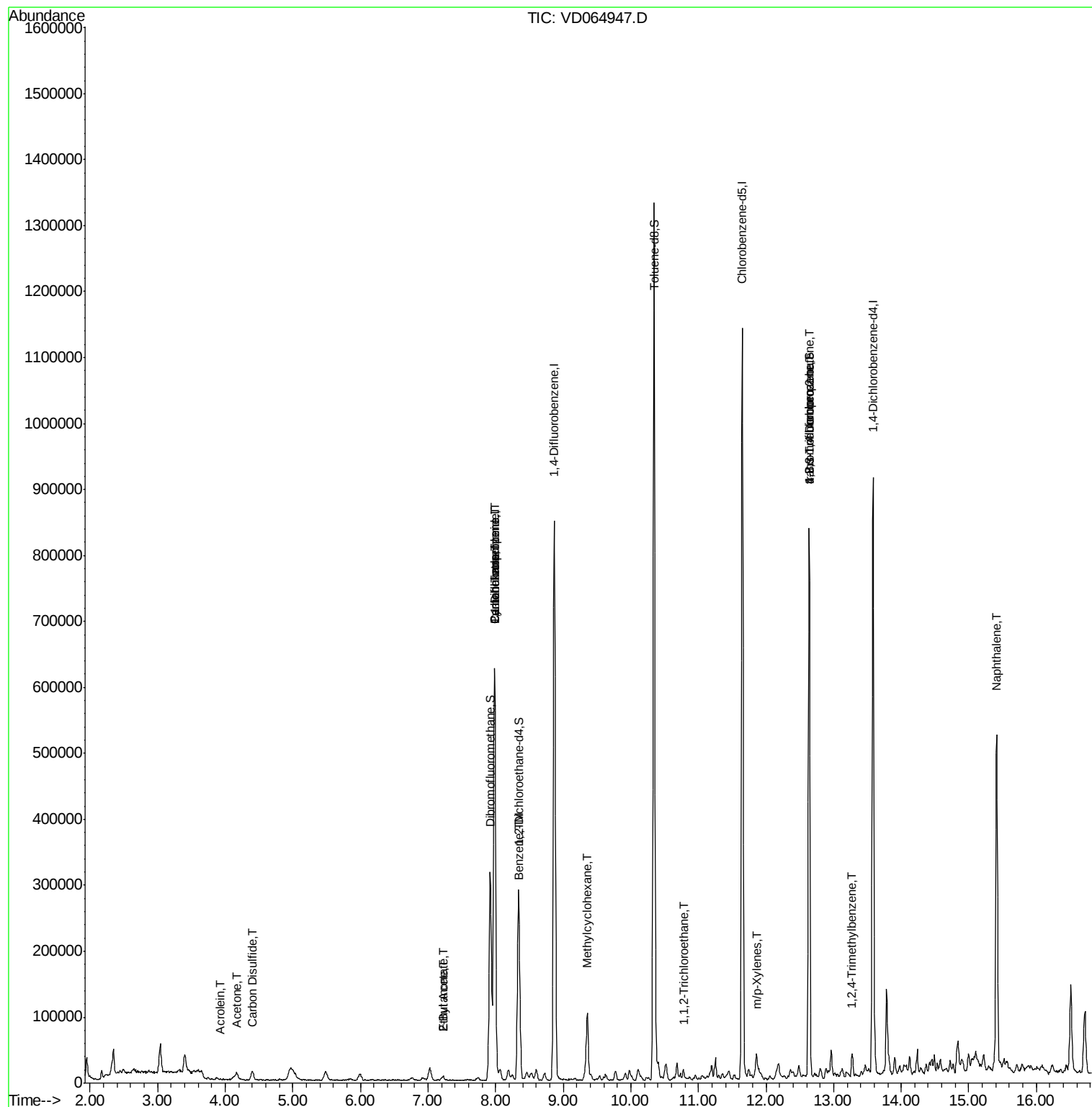
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.93	56	314	1.043	ug/l #	78
16) Acetone	4.17	43	18839	28.580	ug/l	94
17) Carbon Disulfide	4.41	76	27334	2.106	ug/l #	94
20) Methylene Chloride	4.96	84	11037	Below Cal	#	92
25) 2-Butanone	7.23	43	5253	4.474	ug/l #	83
31) Cyclohexane	7.99	56	35295	4.661	ug/l #	75
36) 1,1-Dichloropropene	7.98	75	33504	4.835	ug/l #	43
37) Ethyl Acetate	7.23	43	5253	1.835	ug/l #	80
38) Carbon Tetrachloride	7.98	117	43532	5.943	ug/l #	19
39) Methylcyclohexane	9.36	83	39731	4.904	ug/l	95
40) Benzene	8.36	78	68043	3.565	ug/l	97
55) 1,1,2-Trichloroethane	10.77	97	4718	1.387	ug/l #	22
68) m/p-Xylenes	11.86	106	8853	1.007	ug/l	91
76) 1,2,3-Trichloropropane	12.64	75	133189	66.814	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	133189	142.664	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.27	105	18809	1.380	ug/l	99
95) Naphthalene	15.41	128	442382	60.562	ug/l	98

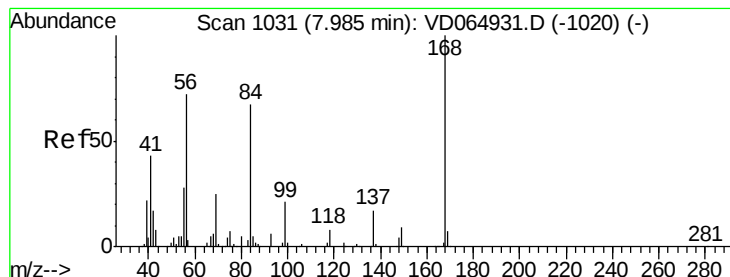
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064947.D

Acq: 24 Jan 2020 17:09

Instrument :

MSVOA_D

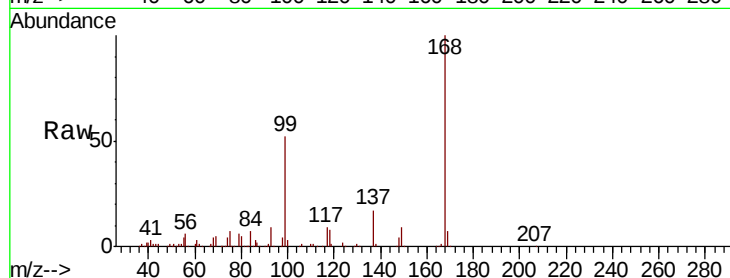
ClientSampleId :

Tot Ion:168 Resp: 453097

Ion Ratio Lower Upper

168 100

99 51.5 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

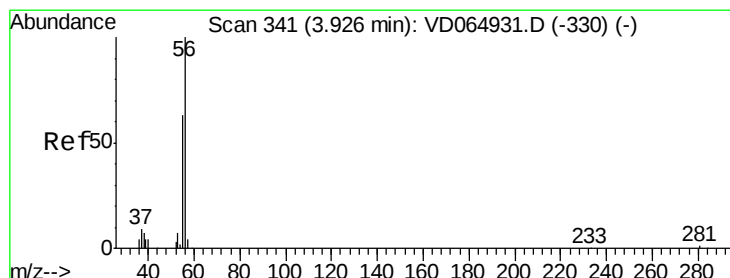
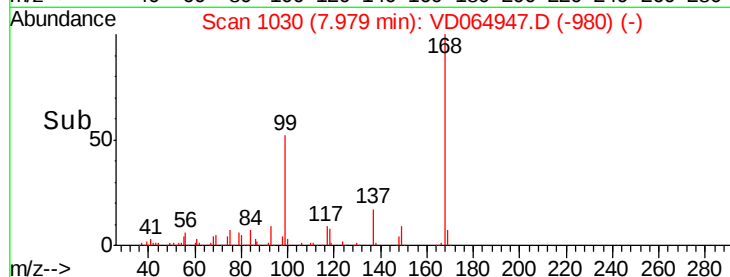
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 1.043 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD064947.D

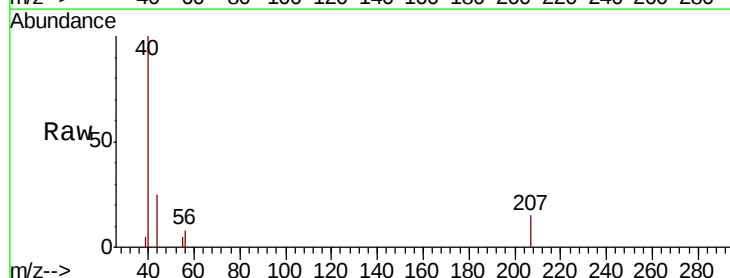
Acq: 24 Jan 2020 17:09

Tgt Ion: 56 Resp: 314

Ion Ratio Lower Upper

56 100

55 56.1 59.7 89.5#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

1000

800

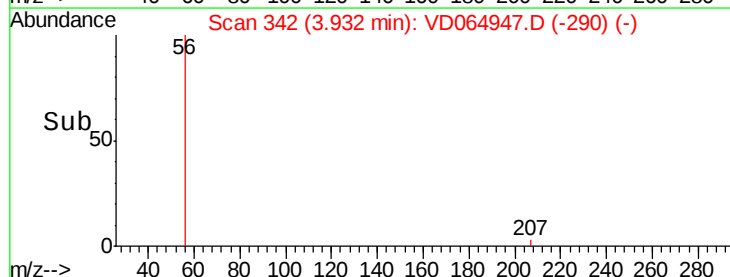
600

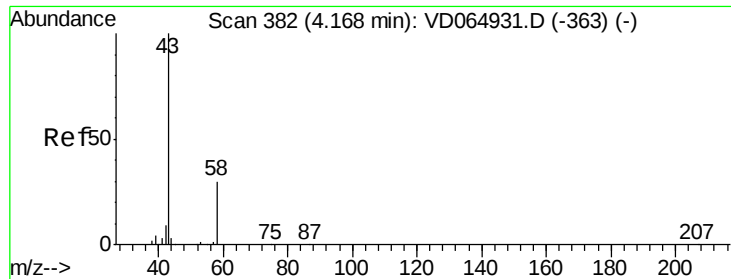
400

200

0

Time-->





#16

Acetone

Concen: 28.580 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064947.D

Acq: 24 Jan 2020 17:09

Instrument :

MSVOA_D

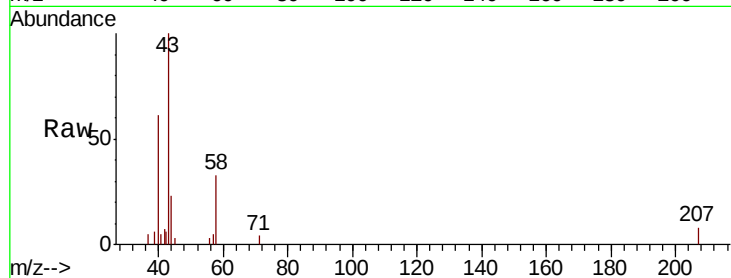
ClientSampleId :

Tot Ion: 43 Resp: 18839

Ion Ratio Lower Upper

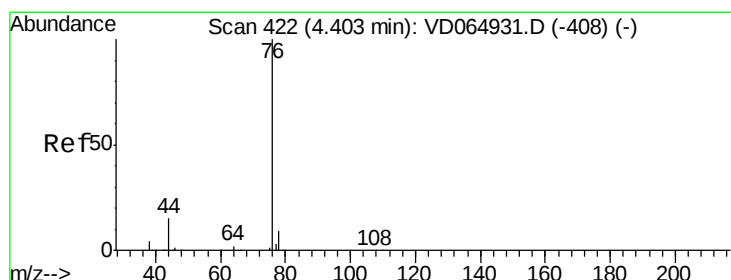
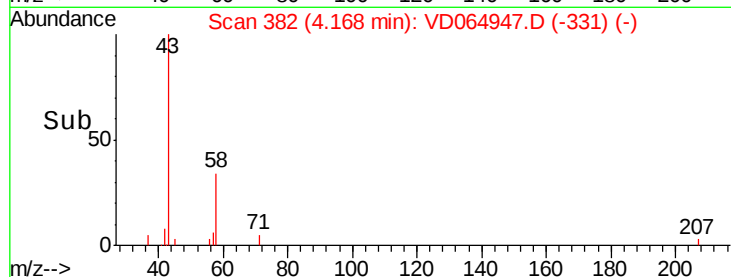
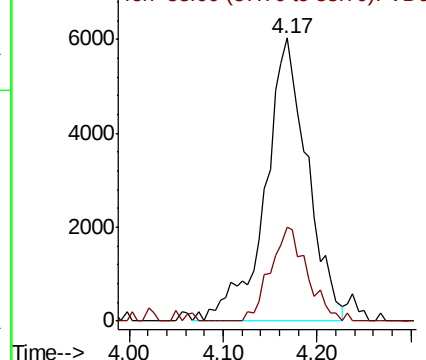
43 100

58 33.2 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 2.106 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.01 min

Lab File: VD064947.D

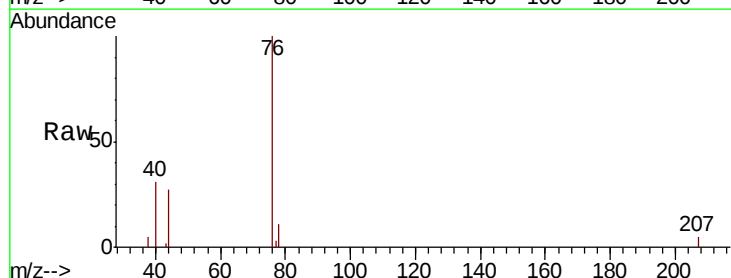
Acq: 24 Jan 2020 17:09

Tgt Ion: 76 Resp: 27334

Ion Ratio Lower Upper

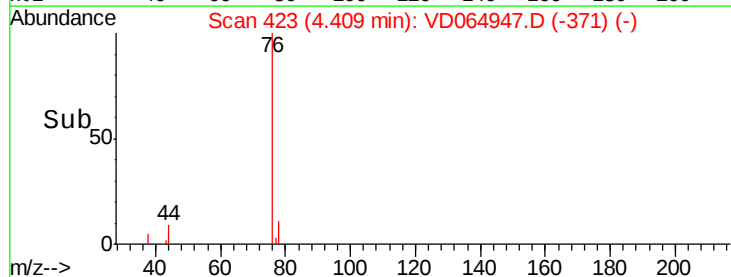
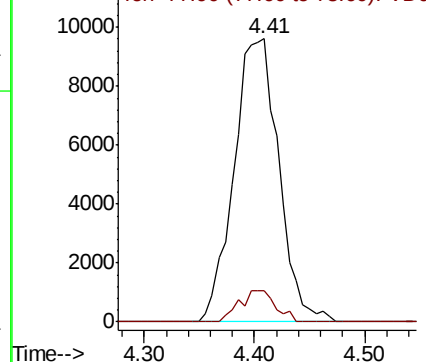
76 100

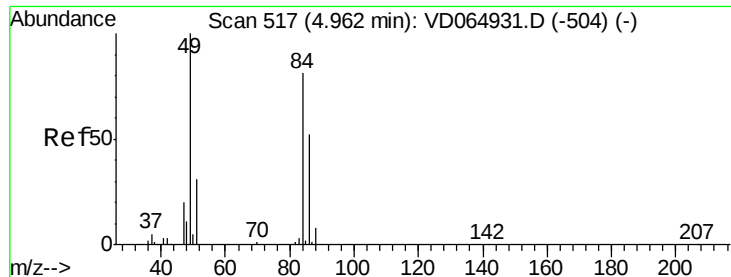
78 10.9 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

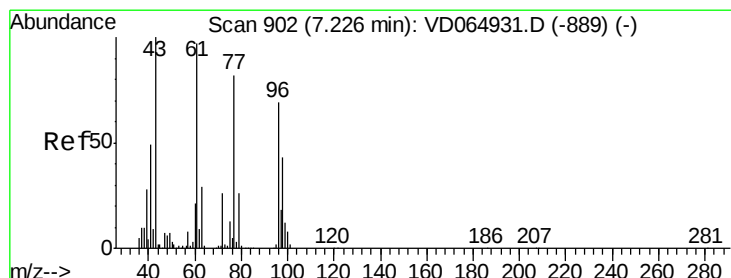
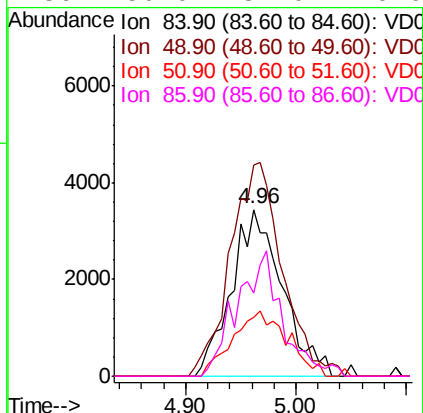
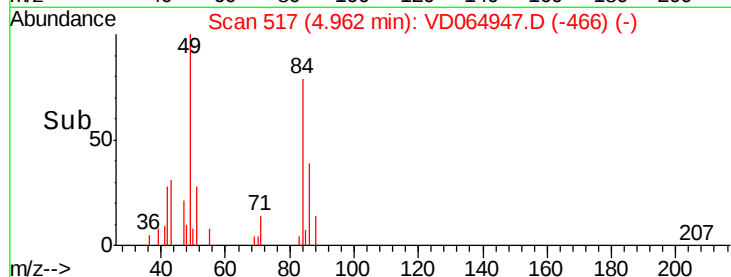
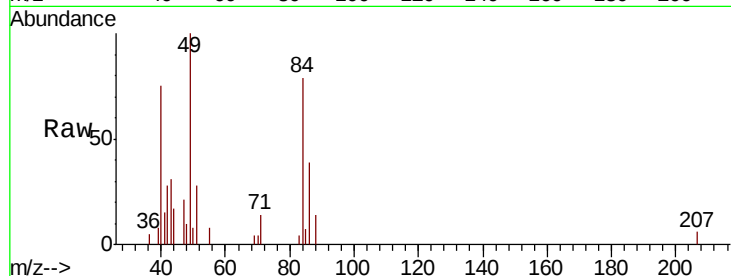




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064947.D
Acq: 24 Jan 2020 17:09

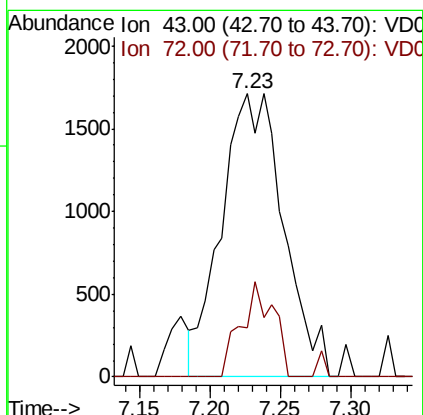
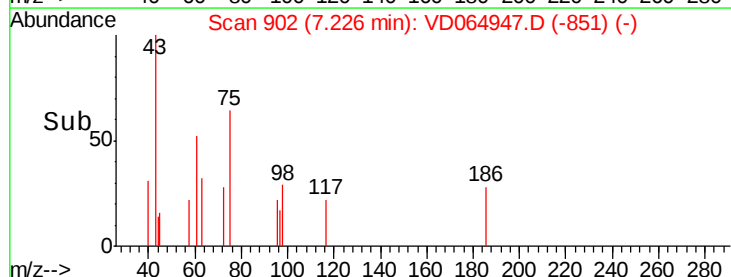
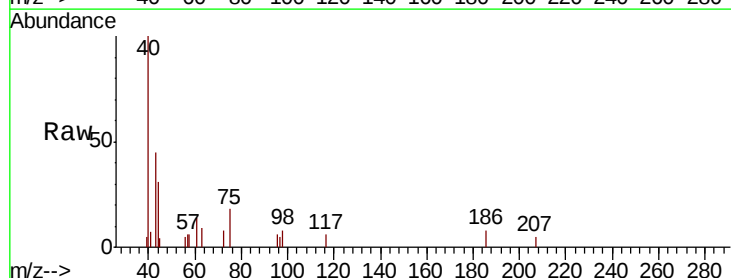
Instrument :
MSVOA_D
ClientSampleId :

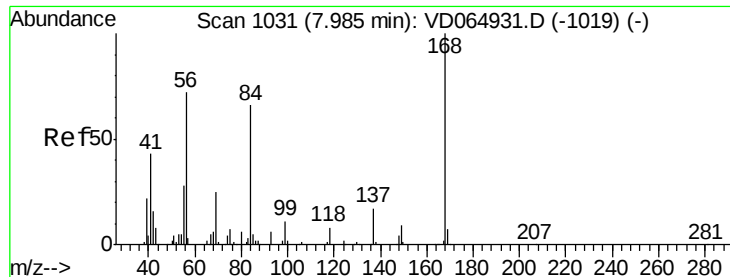
Tot Ion: 84 Resp: 11037
Ion Ratio Lower Upper
84 100
49 126.8 98.4 147.6
51 35.2 30.8 46.2
86 50.0 51.0 76.6#



#25
2-Butanone
Concen: 4.474 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD064947.D
Acq: 24 Jan 2020 17:09

Tgt Ion: 43 Resp: 5253
Ion Ratio Lower Upper
43 100
72 17.4 20.6 31.0#

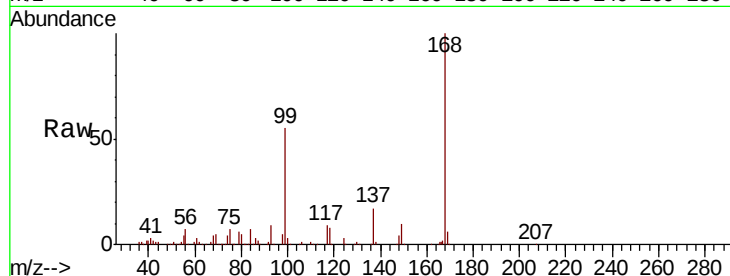




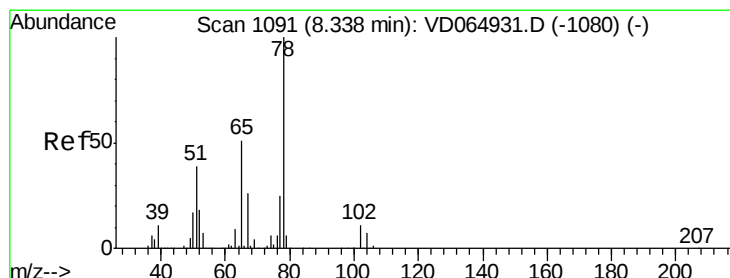
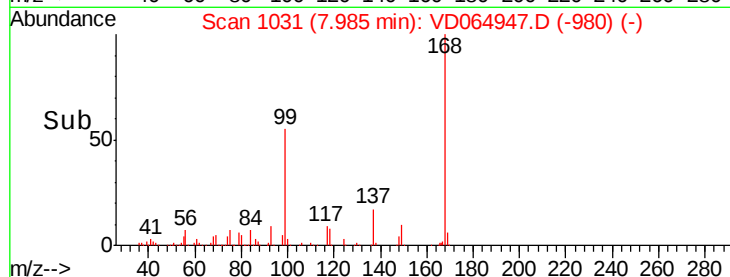
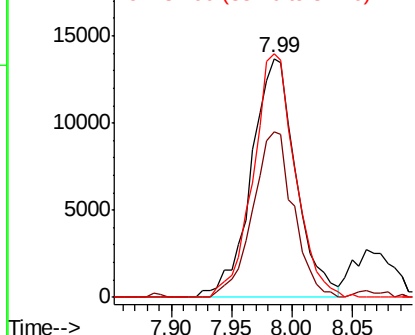
#31
Cyclohexane
Concen: 4.661 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064947.D
Acq: 24 Jan 2020 17:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 35295
Ion Ratio Lower Upper
56 100
69 69.2 27.9 41.9#
84 101.9 72.8 109.2

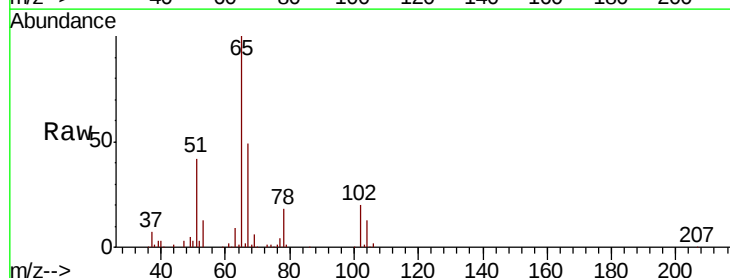


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

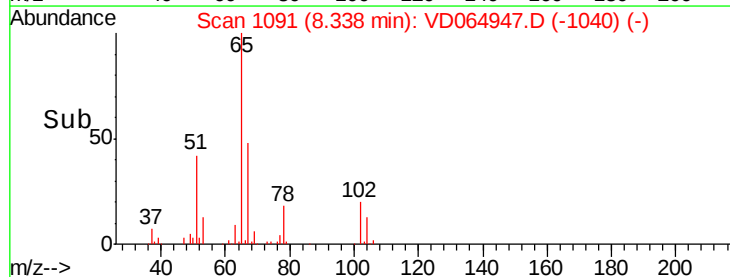
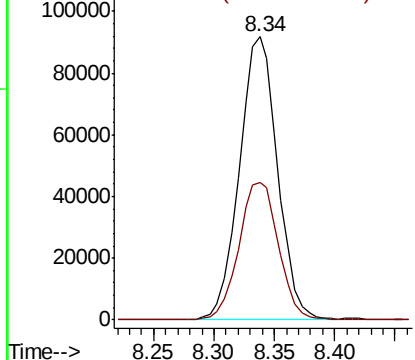


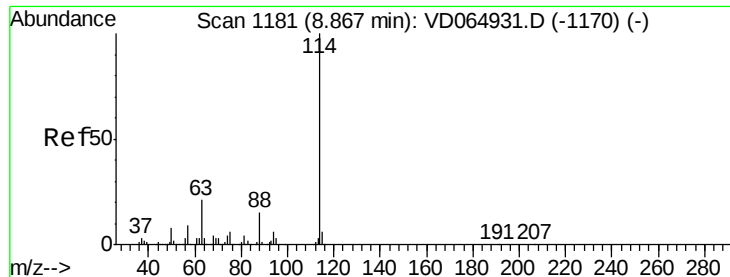
#33
1,2-Dichloroethane-d4
Concen: 46.450 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD064947.D
Acq: 24 Jan 2020 17:09

Tgt Ion: 65 Resp: 201879
Ion Ratio Lower Upper
65 100
67 50.5 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

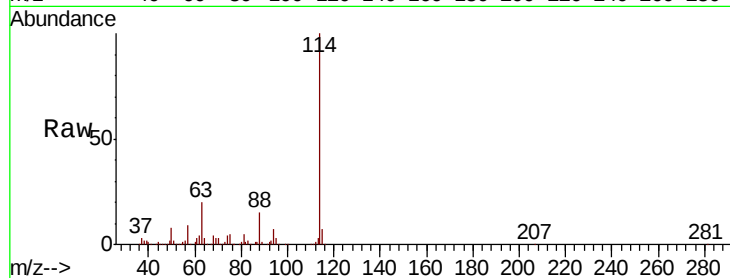




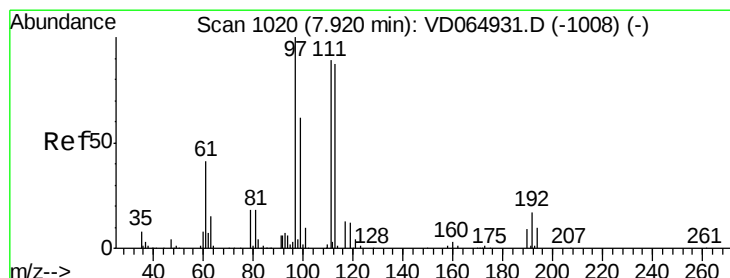
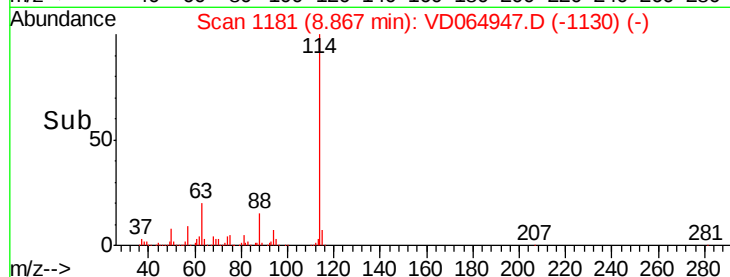
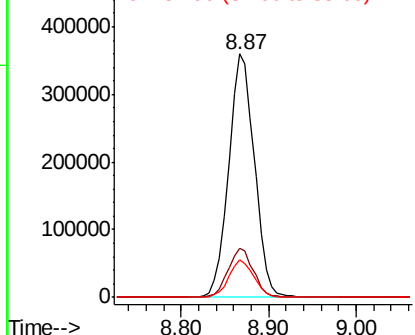
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064947.D
 Acq: 24 Jan 2020 17:09

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	114	Resp	718638
Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	42.0
88	15.4	0.0	29.4

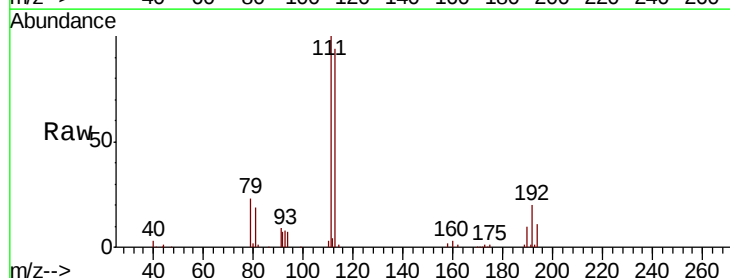


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

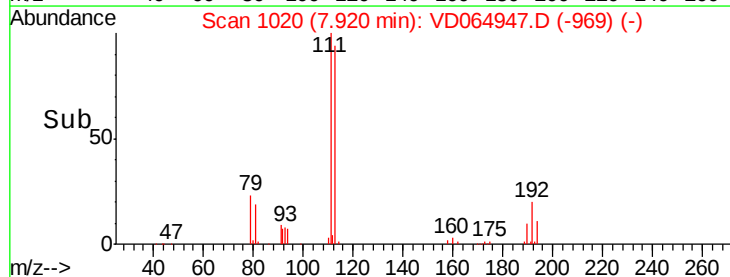
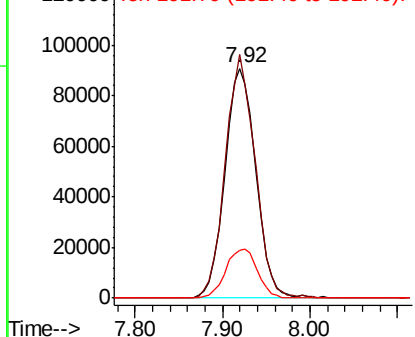


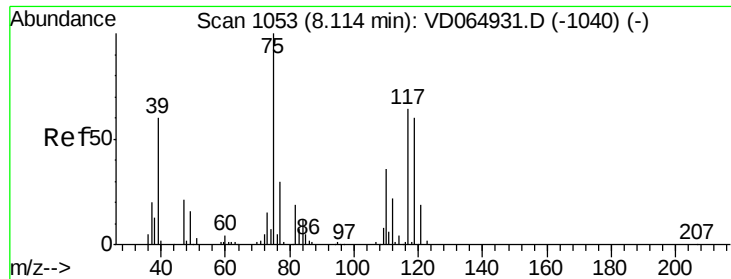
#35
 Dibromofluoromethane
 Concen: 48.369 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064947.D
 Acq: 24 Jan 2020 17:09

Tgt Ion	113	Resp	218435
Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.4	123.6
192	21.9	16.9	25.3



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: 4.835 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064947.D

Acq: 24 Jan 2020 17:09

Instrument :

MSVOA_D

ClientSampled :

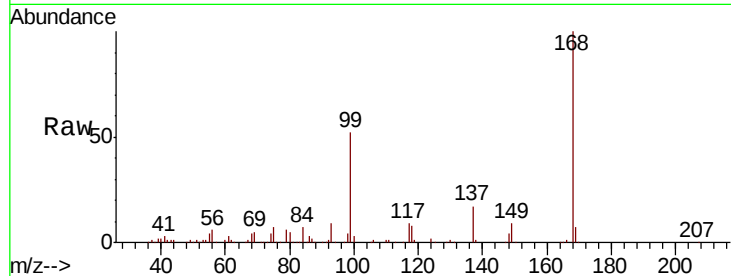
Tot Ion: 75 Resp: 33504

Ion Ratio Lower Upper

75 100

110 0.0 17.3 52.0#

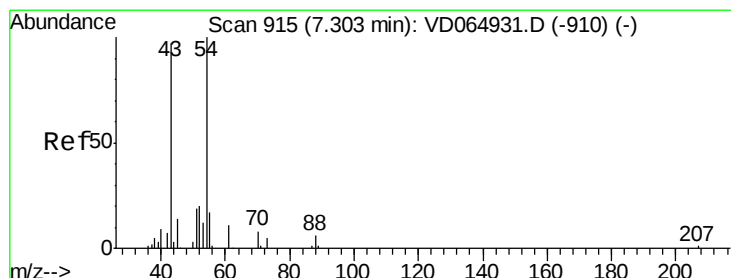
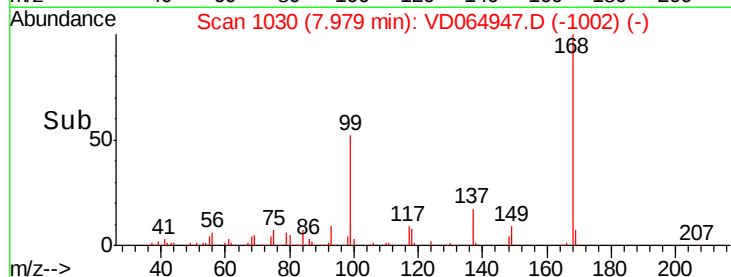
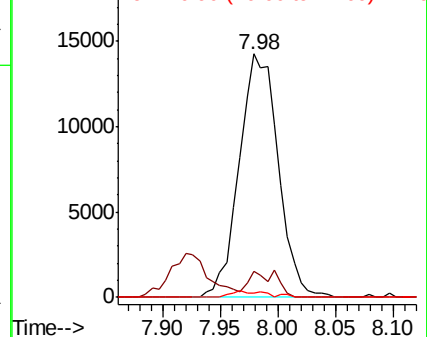
77 2.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: 1.835 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.08 min

Lab File: VD064947.D

Acq: 24 Jan 2020 17:09

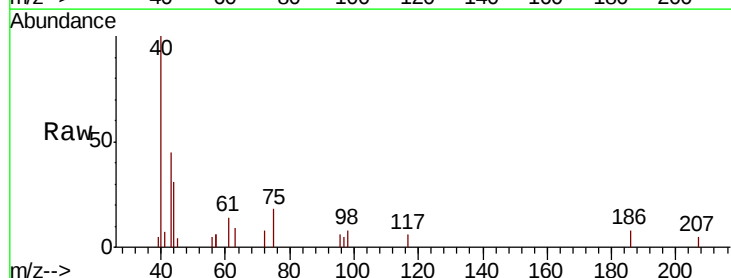
Tgt Ion: 43 Resp: 5253

Ion Ratio Lower Upper

43 100

61 7.1 11.0 16.4#

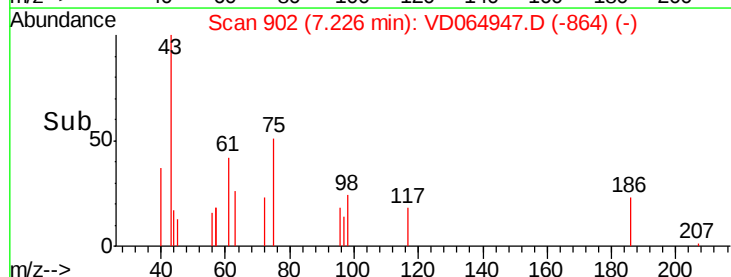
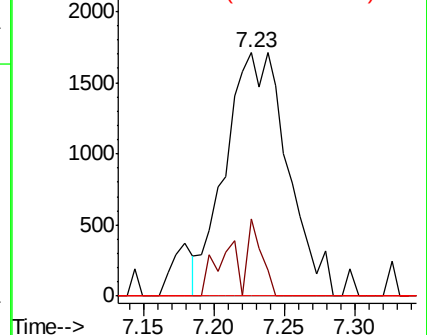
70 0.0 7.5 11.3#

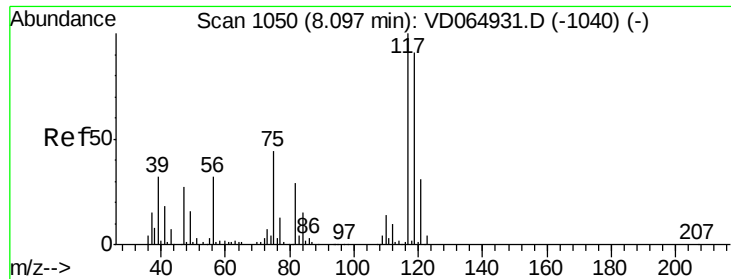


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.943 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064947.D

Acq: 24 Jan 2020 17:09

Instrument :

MSVOA_D

ClientSampled :

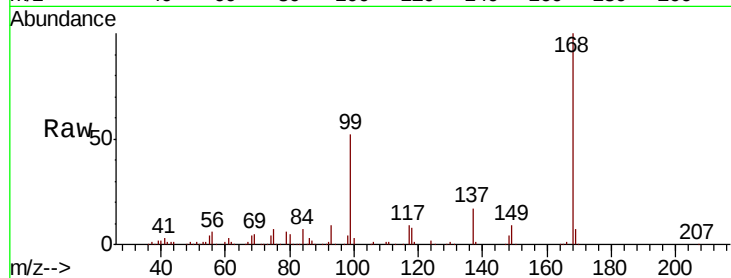
Tot Ion:117 Resp: 43532

Ion Ratio Lower Upper

117 100

119 6.0 73.2 109.8#

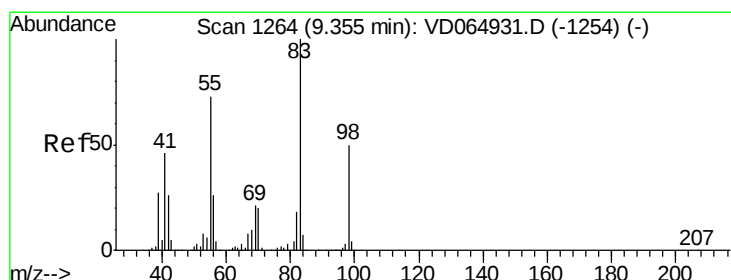
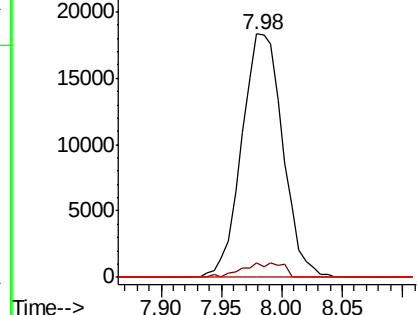
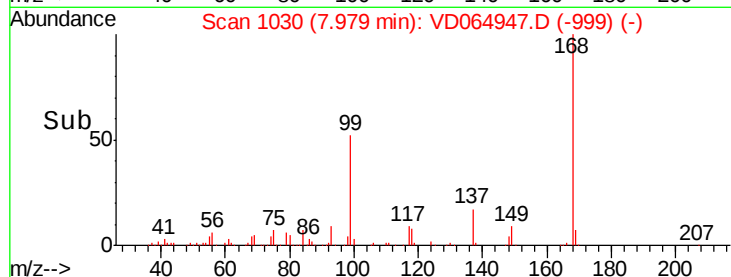
121 0.0 24.4 36.6#



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



#39

Methylcyclohexane

Concen: 4.904 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD064947.D

Acq: 24 Jan 2020 17:09

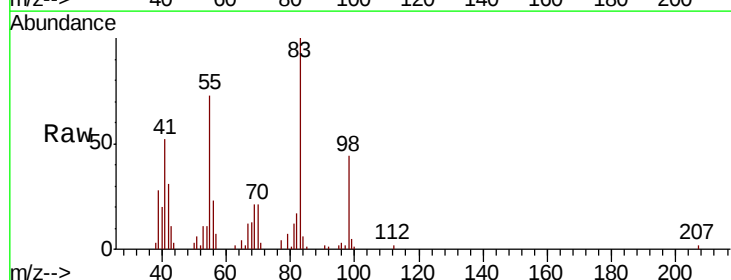
Tgt Ion: 83 Resp: 39731

Ion Ratio Lower Upper

83 100

55 71.7 58.7 88.1

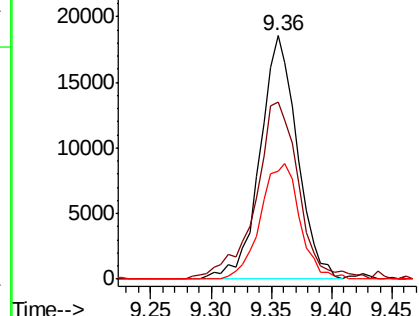
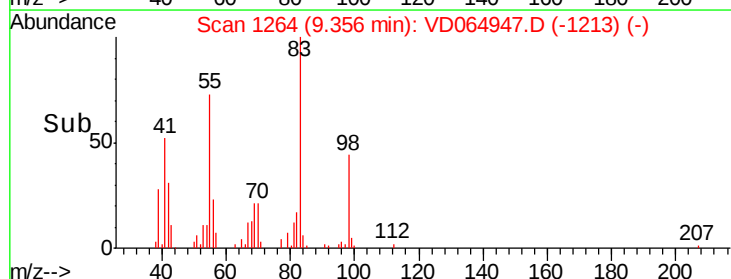
98 44.5 40.2 60.2

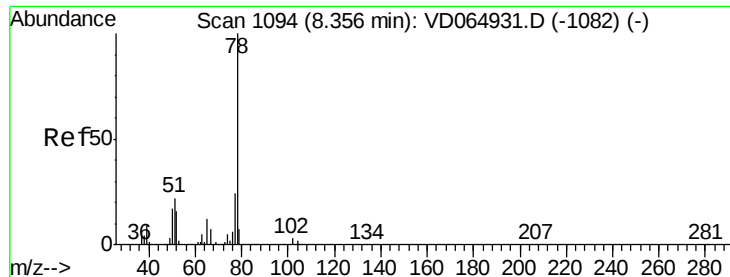


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 3.565 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD064947.D

Acq: 24 Jan 2020 17:09

Instrument :

MSVOA_D

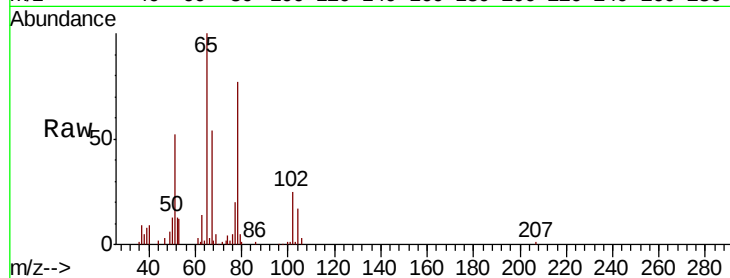
ClientSampleId :

Tot Ion: 78 Resp: 68043

Ion Ratio Lower Upper

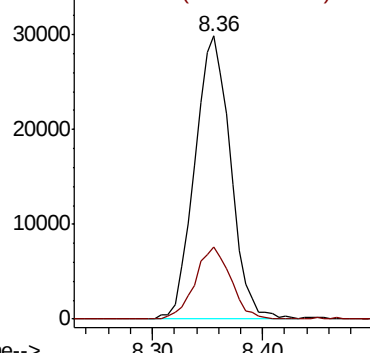
78 100

77 25.5 19.2 28.8

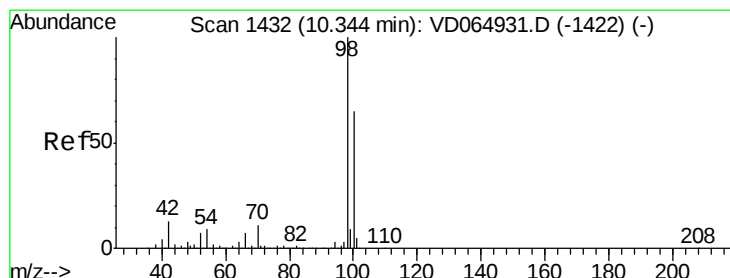
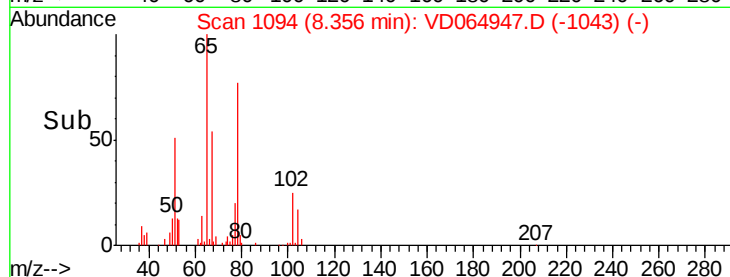


Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC



Time-->



#50

Toluene-d8

Concen: 49.419 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064947.D

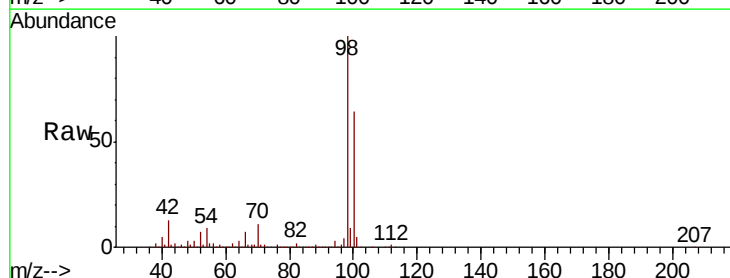
Acq: 24 Jan 2020 17:09

Tgt Ion: 98 Resp: 861372

Ion Ratio Lower Upper

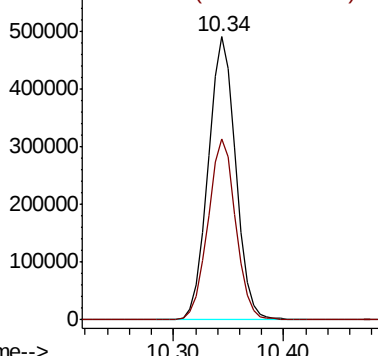
98 100

100 64.3 52.3 78.5

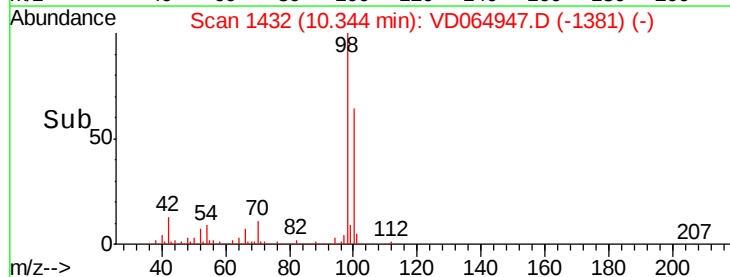


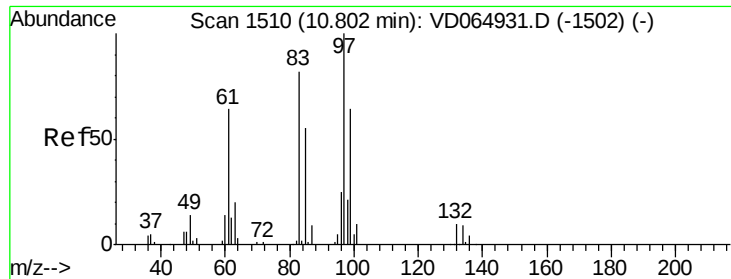
Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



Time-->

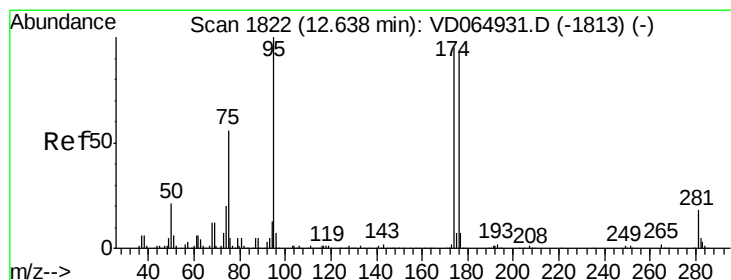
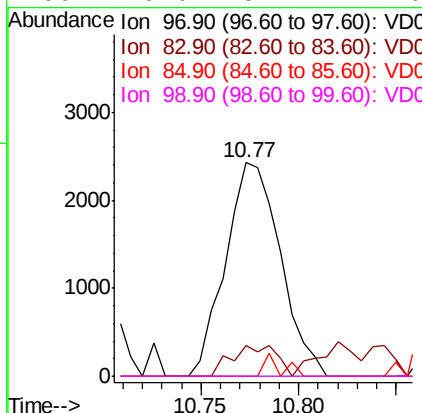
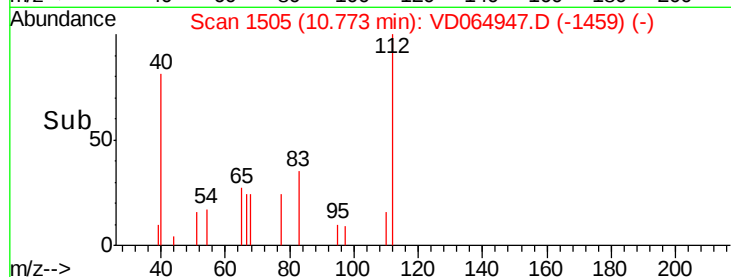
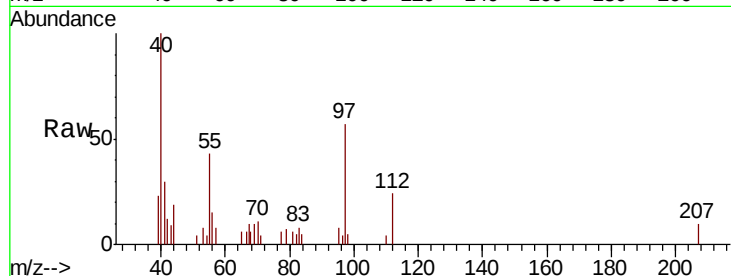




#55
 1,1,2-Trichloroethane
 Concen: 1.387 ug/l
 RT: 10.77 min Scan# 1505
 Delta R.T. -0.03 min
 Lab File: VD064947.D
 Acq: 24 Jan 2020 17:09

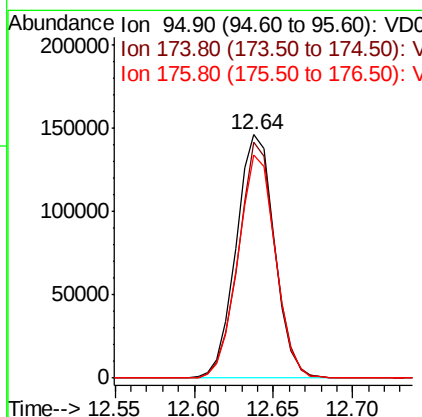
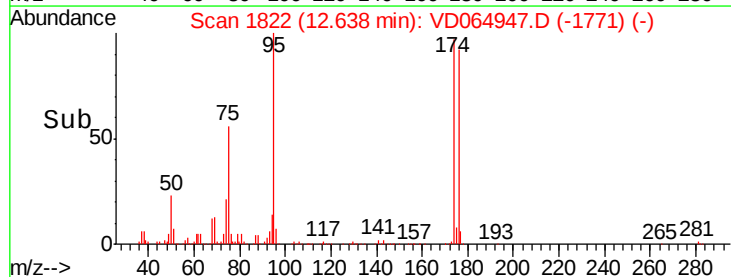
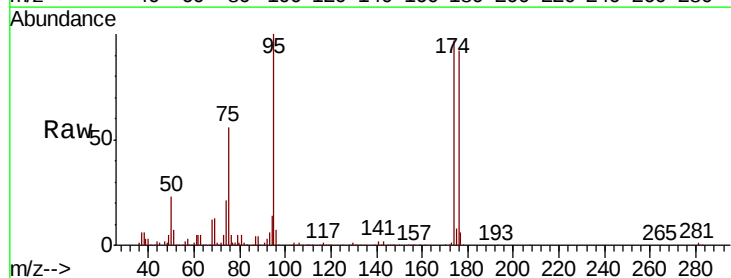
Instrument :
 MSVOA_D
 ClientSampleId :

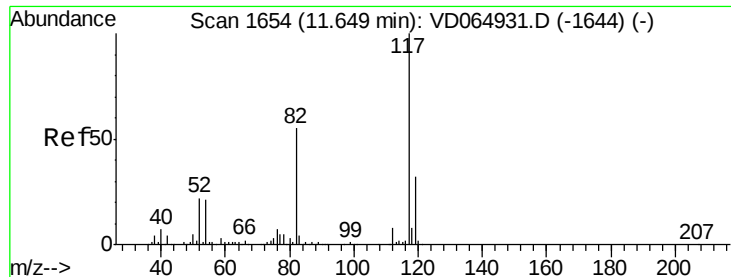
Tot Ion: 97 Resp: 4718
 Ion Ratio Lower Upper
 97 100
 83 14.5 66.0 99.0#
 85 0.0 44.4 66.6#
 99 0.0 51.4 77.0#



#62
 4-Bromofluorobenzene
 Concen: 45.592 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064947.D
 Acq: 24 Jan 2020 17:09

Tgt Ion: 95 Resp: 243187
 Ion Ratio Lower Upper
 95 100
 174 92.7 0.0 186.8
 176 90.4 0.0 183.4

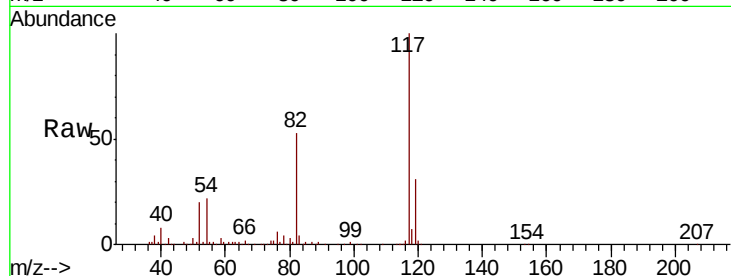




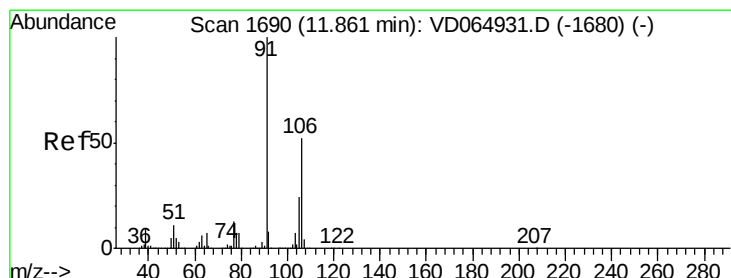
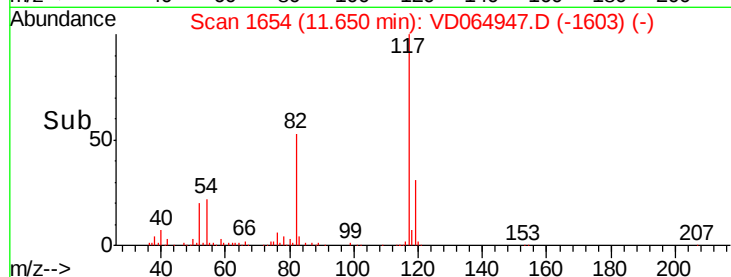
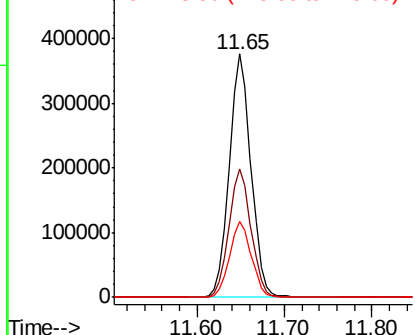
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064947.D
Acq: 24 Jan 2020 17:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 633506
Ion Ratio Lower Upper
117 100
82 52.6 43.6 65.4
119 31.3 25.2 37.8

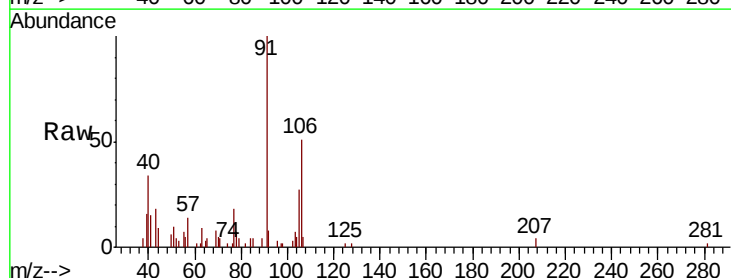


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

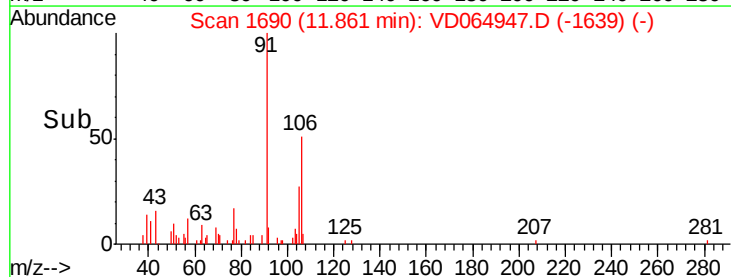
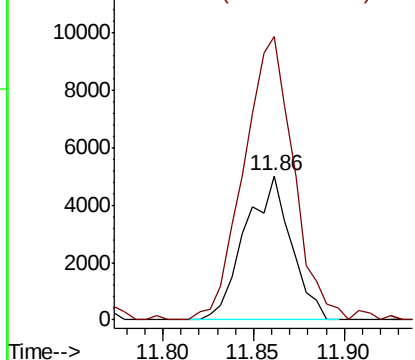


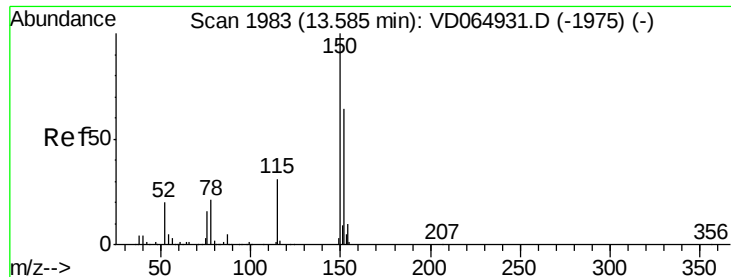
#68
m/p-Xylenes
Concen: 1.007 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD064947.D
Acq: 24 Jan 2020 17:09

Tgt Ion:106 Resp: 8853
Ion Ratio Lower Upper
106 100
91 212.0 159.0 238.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064947.D

Acq: 24 Jan 2020 17:09

Instrument :

MSVOA_D

ClientSampleId :

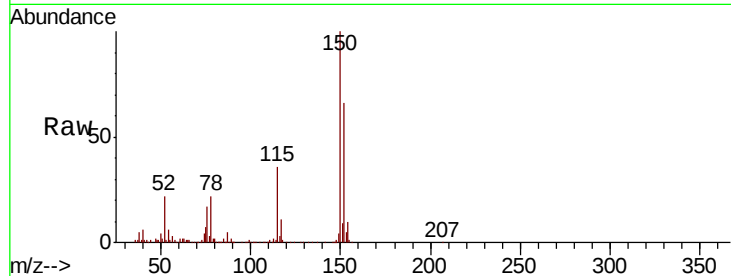
Tot Ion:152 Resp: 240168

Ion Ratio Lower Upper

152 100

115 55.8 28.1 84.4

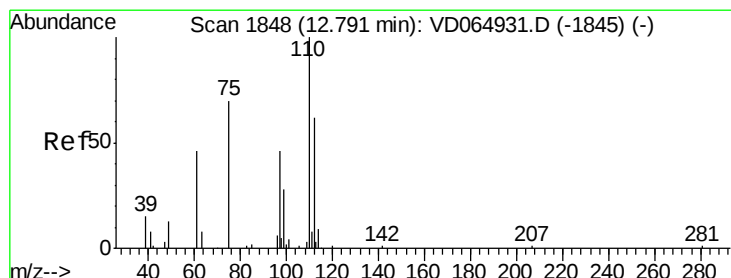
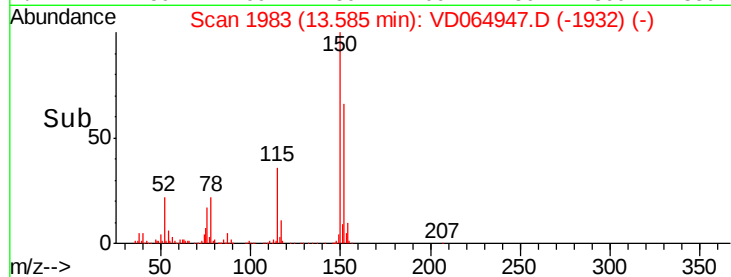
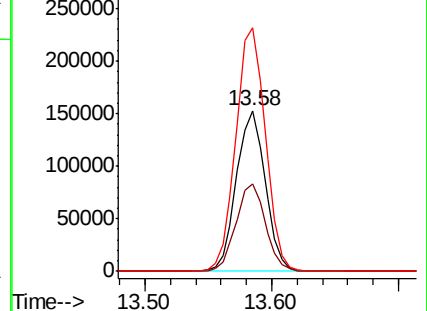
150 154.9 0.0 350.4



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: 66.814 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064947.D

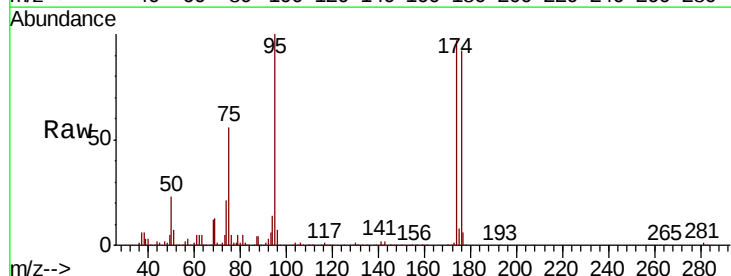
Acq: 24 Jan 2020 17:09

Tgt Ion: 75 Resp: 133189

Ion Ratio Lower Upper

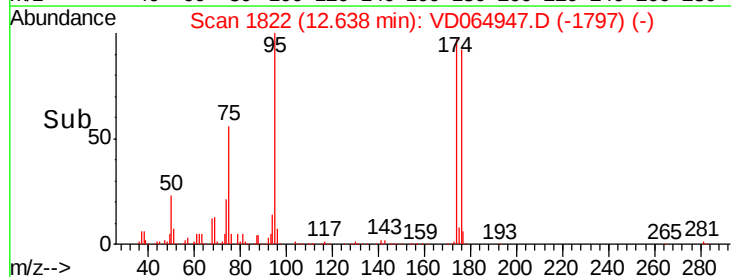
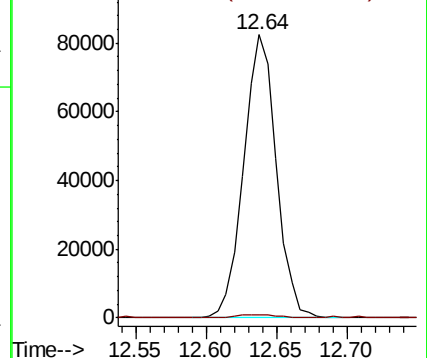
75 100

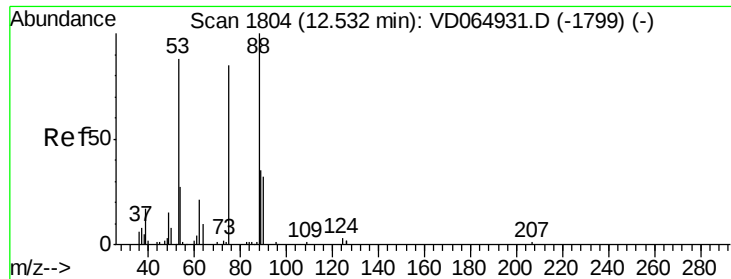
77 1.5 0.0 0.0#



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: 142.664 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064947.D

Acq: 24 Jan 2020 17:09

Instrument :

MSVOA_D

ClientSampleId :

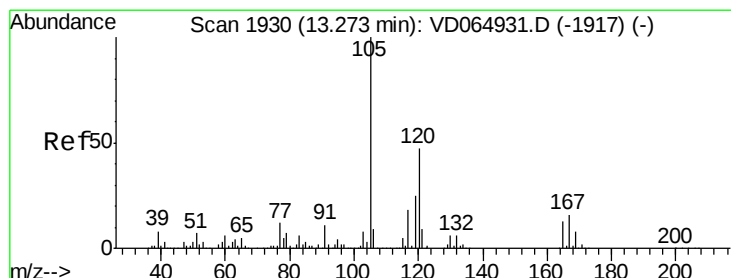
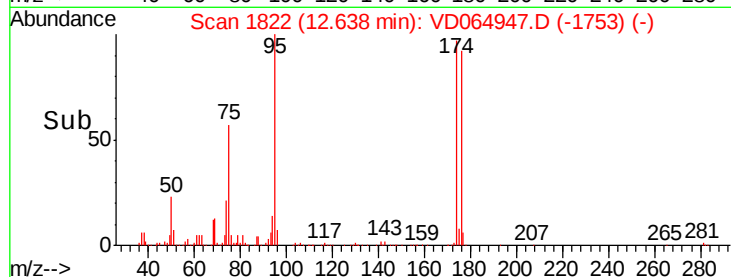
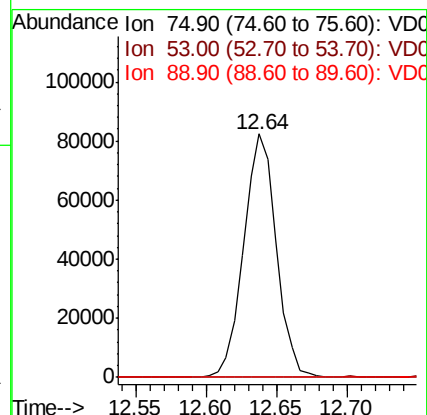
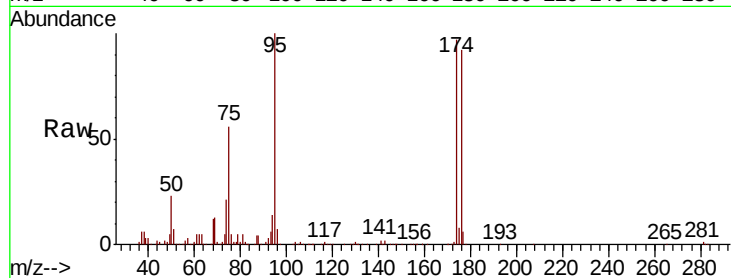
Tot Ion: 75 Resp: 133189

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.4#

89 0.2 36.2 54.4#



#84

1,2,4-Trimethylbenzene

Concen: 1.380 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD064947.D

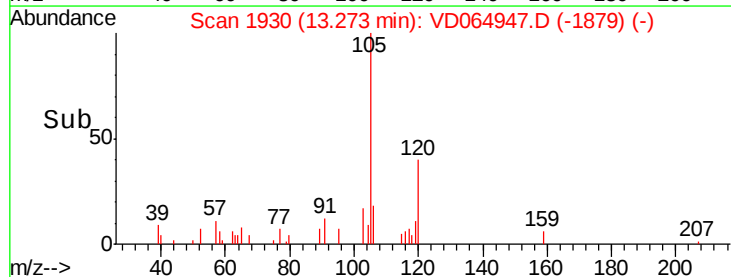
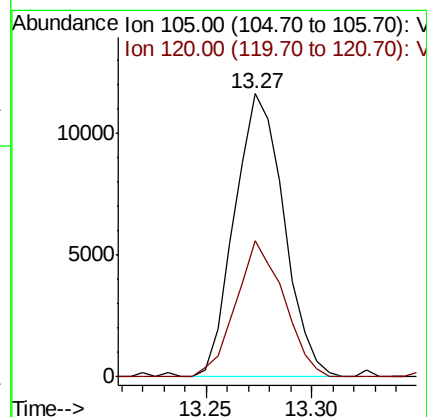
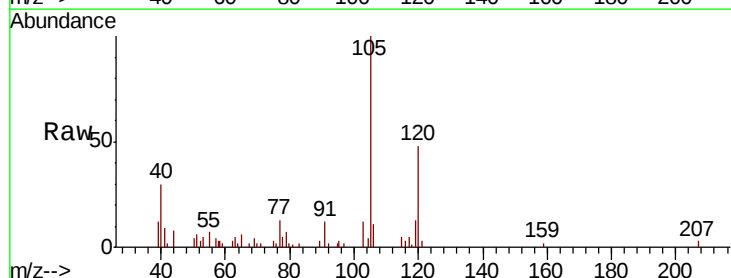
Acq: 24 Jan 2020 17:09

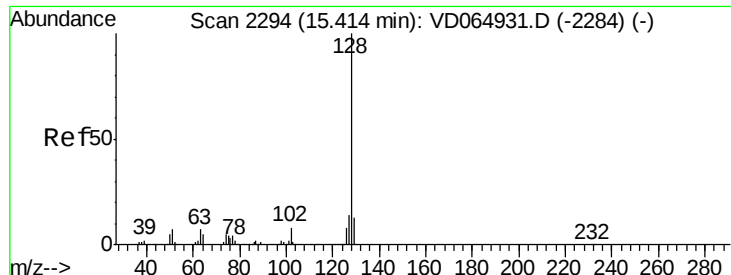
Tgt Ion: 105 Resp: 18809

Ion Ratio Lower Upper

105 100

120 46.6 23.1 69.3





#95

Naphthalene

Concen: 60.562 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064947.D

Acq: 24 Jan 2020 17:09

Instrument :

MSVOA_D

ClientSampleId :

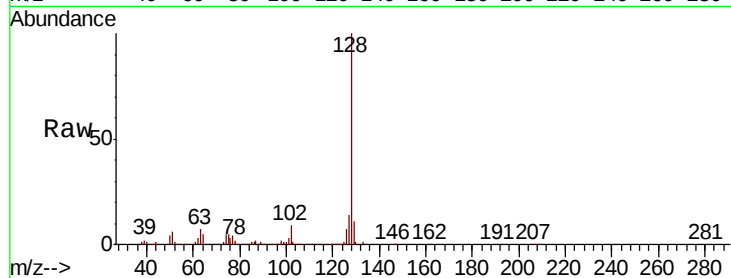
Tot Ion:128 Resp: 442382

Ion Ratio Lower Upper

128 100

127 14.0 10.6 15.8

129 10.6 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

