

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011020\
 Data File : VD064838.D
 Acq On : 10 Jan 2020 17:35
 Operator : VA/SY
 Sample : L1063-05RE
 Misc : 6.64G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB452_200108_30-32

Quant Time: Jan 10 22:27:29 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

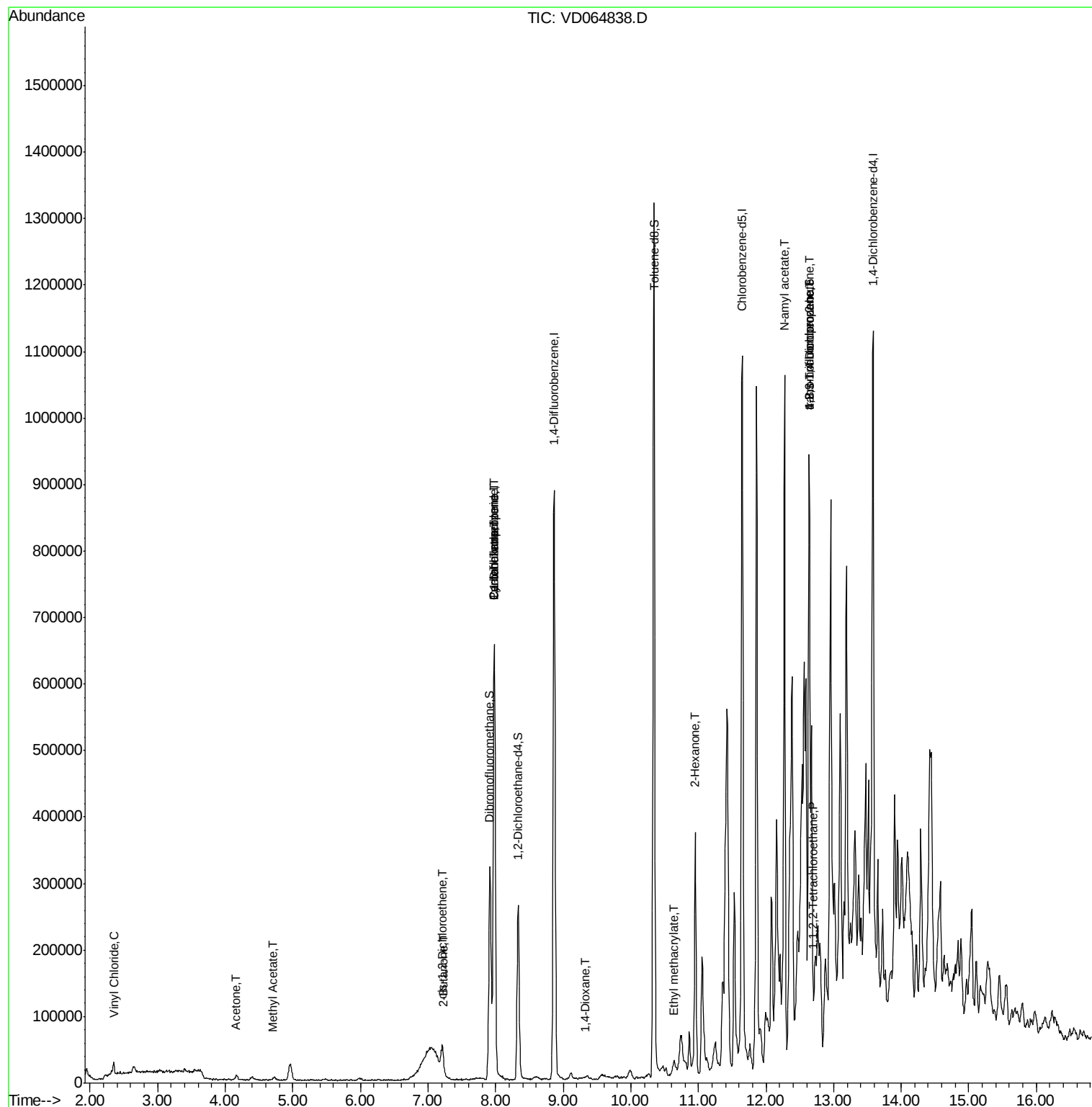
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	504613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	760241	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	599293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	206944	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	207250	46.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.16%	
35) Dibromofluoromethane	7.91	113	224679	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
50) Toluene-d8	10.34	98	886657	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.64	95	222256	39.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.70%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.35	62	12065	1.804	ug/l	95
16) Acetone	4.16	43	12521	15.980	ug/l	96
18) Methyl Acetate	4.71	43	7400	2.954	ug/l	98
20) Methylene Chloride	4.96	84	18717	Below Cal		97
25) 2-Butanone	7.23	43	2719	2.223	ug/l	94
27) cis-1,2-Dichloroethene	7.21	96	20163	3.695	ug/l	92
31) Cyclohexane	7.98	56	13314	1.605	ug/l #	24
36) 1,1-Dichloropropene	7.98	75	37090	5.069	ug/l #	50
38) Carbon Tetrachloride	7.98	117	48817	6.257	ug/l #	15
49) 1,4-Dioxane	9.32	88	78	2.544	ug/l #	1
56) Ethyl methacrylate	10.64	69	5493	1.227	ug/l #	63
59) 2-Hexanone	10.96	43	142879	74.436	ug/l #	30
74) N-amyl acetate	12.27	43	212551	67.236	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	12.70	83	4854	2.089	ug/l #	26
76) 1,2,3-Trichloropropane	12.64	75	121795	74.531	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	121795	155.879	ug/l #	11

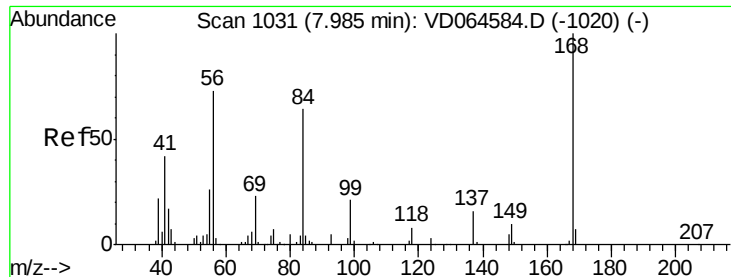
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064838.D

Acq: 10 Jan 2020 17:35

Instrument :

MSVOA_D

ClientSampleId :

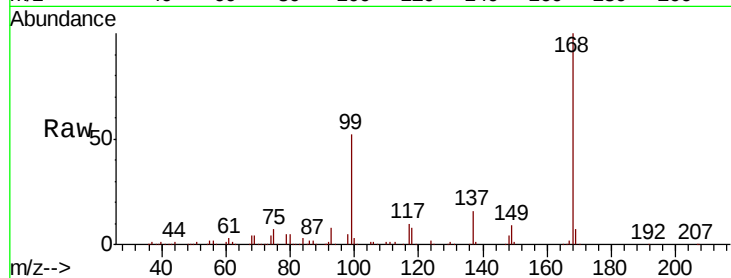
WP022SB452_200108_30-32

Tot Ion:168 Resp: 504613

Ion Ratio Lower Upper

168 100

99 52.4 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

250000

200000

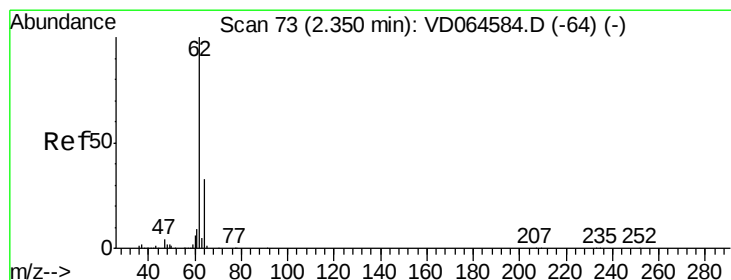
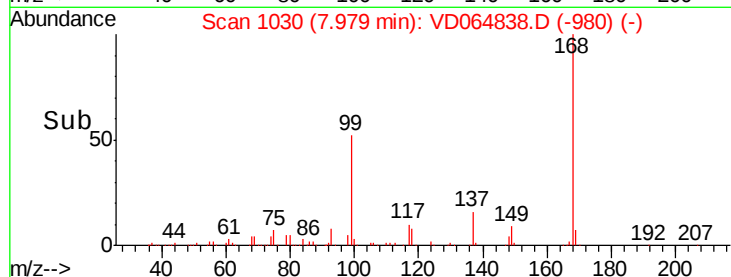
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 1.804 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064838.D

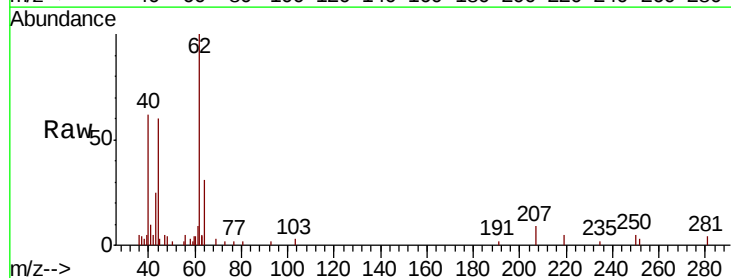
Acq: 10 Jan 2020 17:35

Tgt Ion: 62 Resp: 12065

Ion Ratio Lower Upper

62 100

64 30.5 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

8000

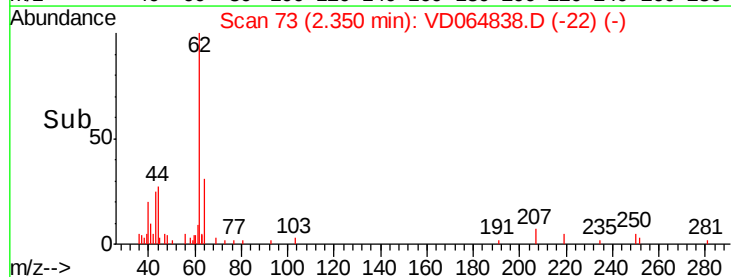
6000

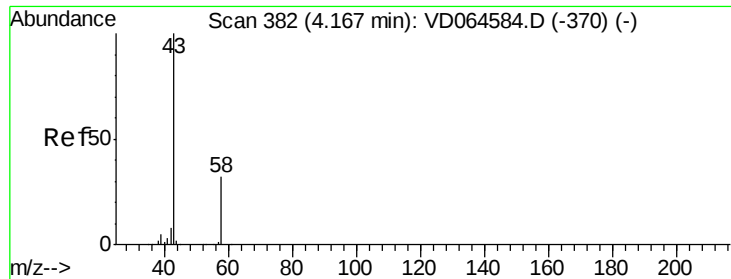
4000

2000

0

Time-->

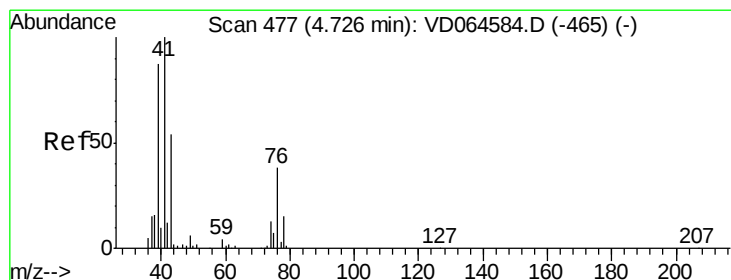
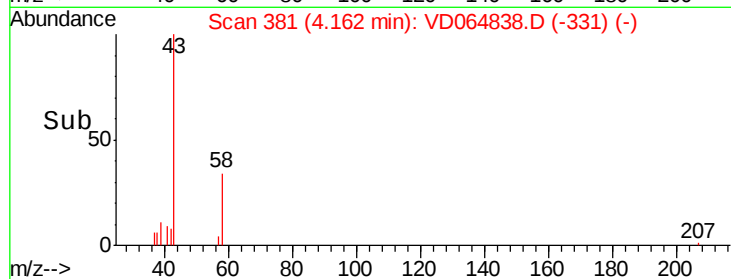
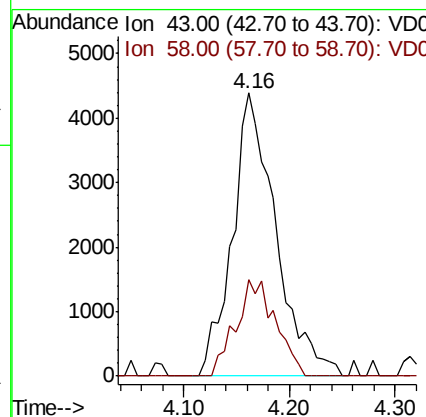
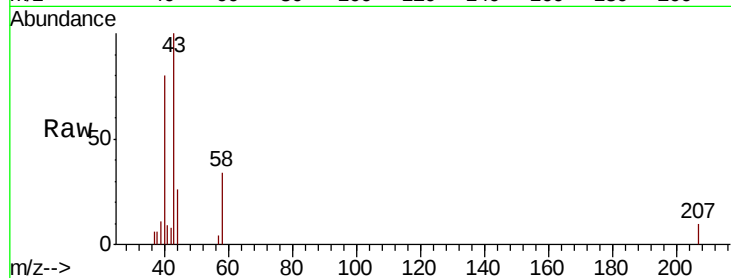




#16
Acetone
Concen: 15.980 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD064838.D
Acq: 10 Jan 2020 17:35

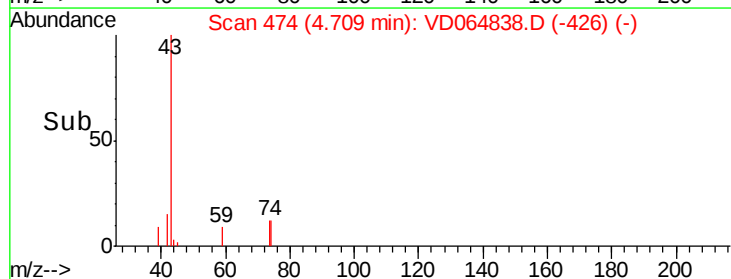
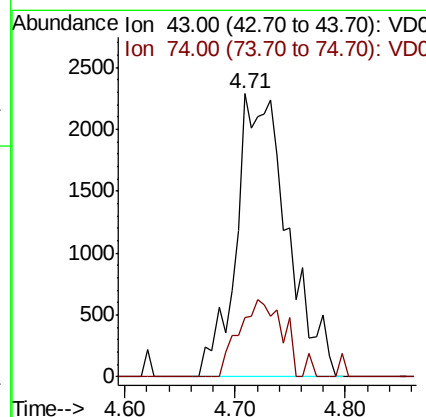
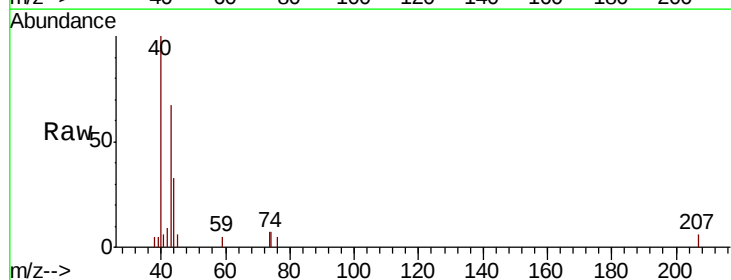
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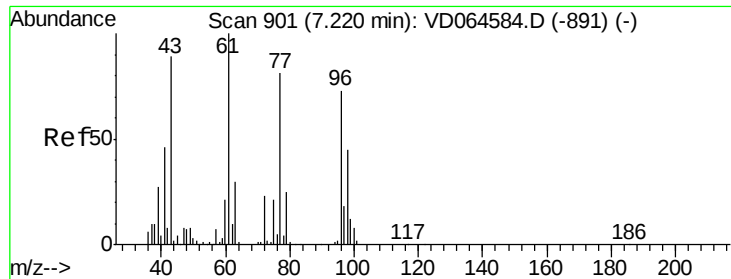
Tot Ion: 43 Resp: 12521
Ion Ratio Lower Upper
43 100
58 34.2 25.8 38.6



#18
Methyl Acetate
Concen: 2.954 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.02 min
Lab File: VD064838.D
Acq: 10 Jan 2020 17:35

Tgt Ion: 43 Resp: 7400
Ion Ratio Lower Upper
43 100
74 23.1 19.2 28.8

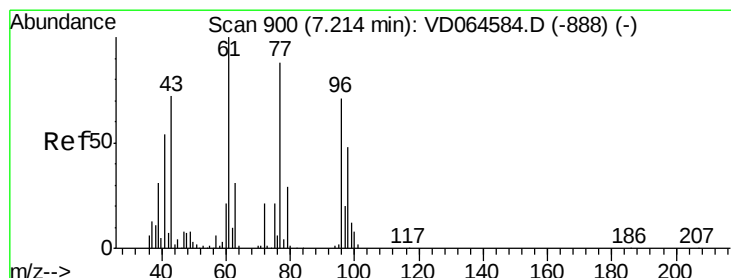
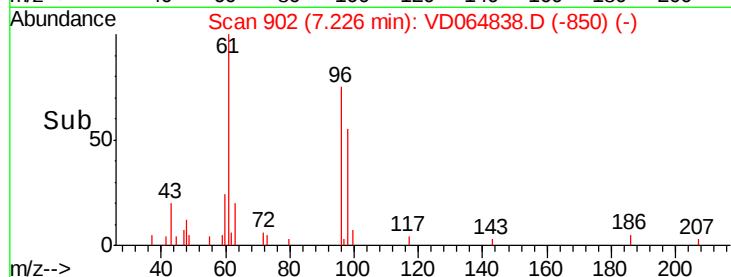
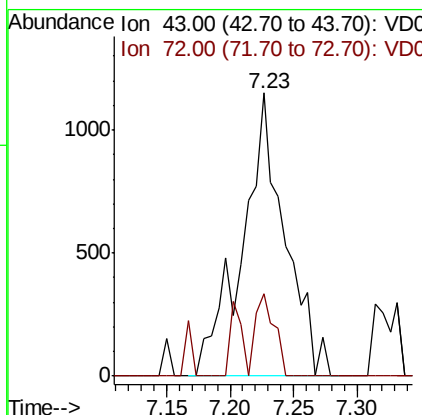
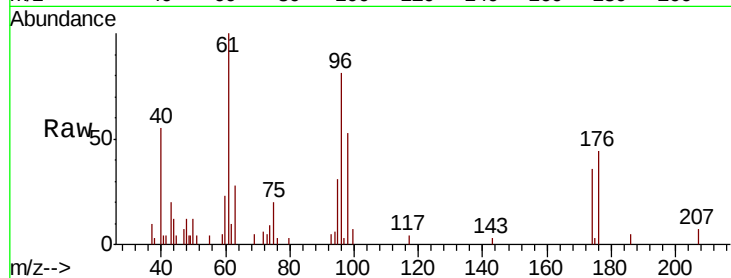




#25
2-Butanone
Concen: 2.223 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD064838.D
Acq: 10 Jan 2020 17:35

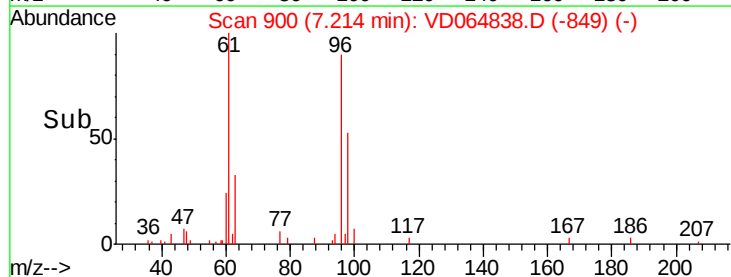
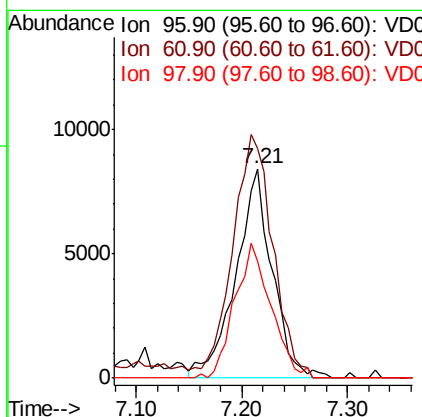
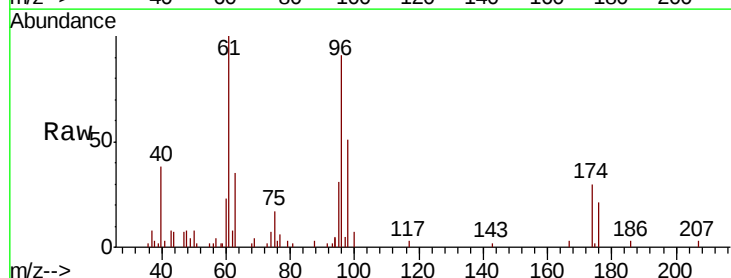
Instrument :
MSVOA_D
ClientSampleId :
WP022SB452_200108_30-32

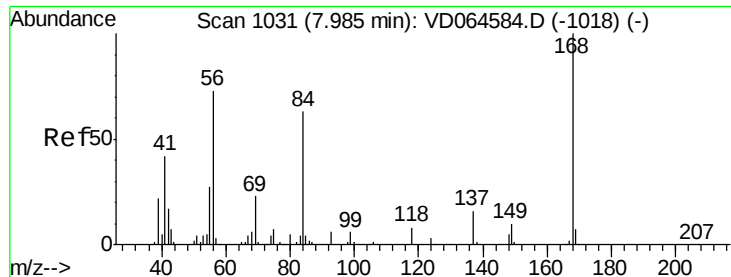
Tot Ion: 43 Resp: 2719
Ion Ratio Lower Upper
43 100
72 29.0 20.7 31.1



#27
cis-1,2-Dichloroethene
Concen: 3.695 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064838.D
Acq: 10 Jan 2020 17:35

Tgt Ion: 96 Resp: 20163
Ion Ratio Lower Upper
96 100
61 128.7 0.0 282.6
98 63.7 0.0 130.8

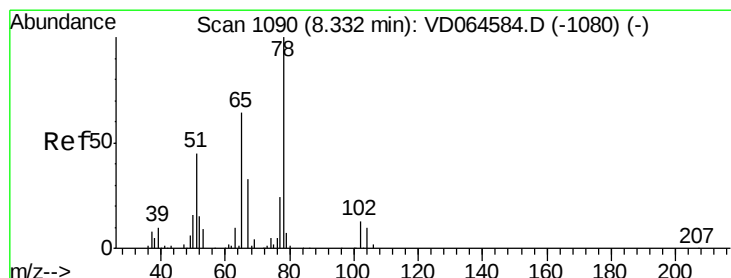
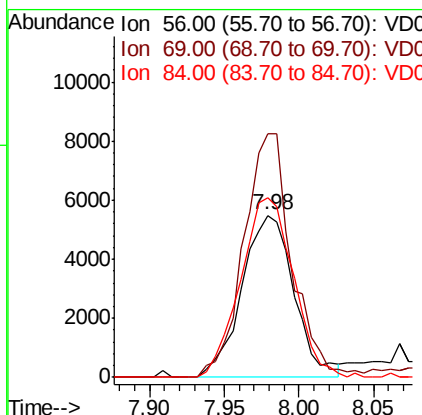
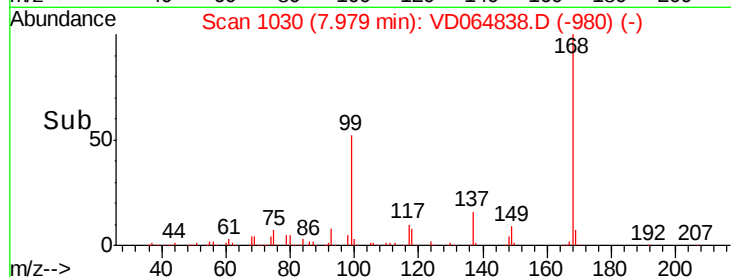
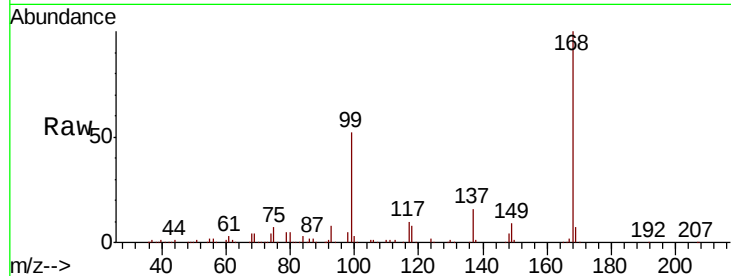




#31
Cyclohexane
Concen: 1.605 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064838.D
Acq: 10 Jan 2020 17:35

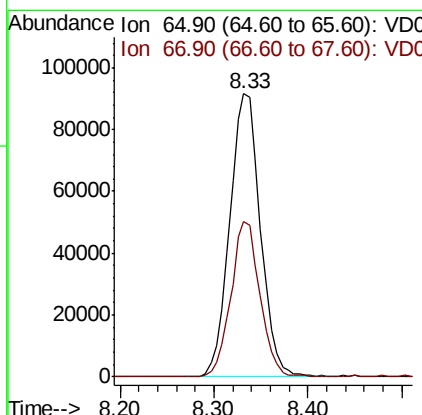
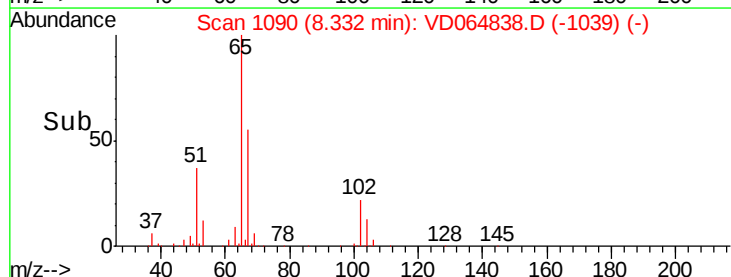
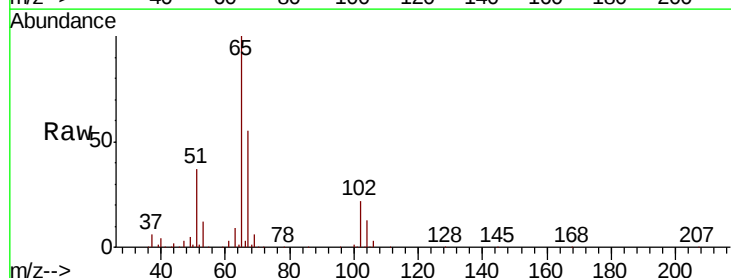
Instrument :
MSVOA_D
ClientSampleId :
WP022SB452_200108_30-32

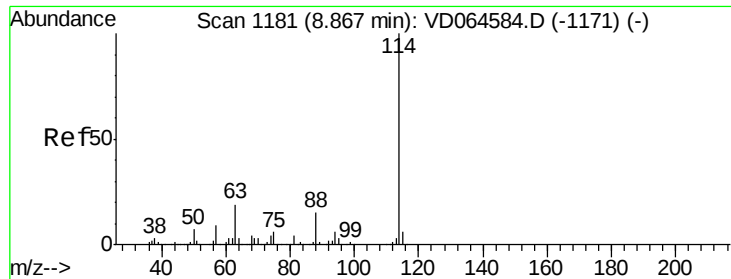
Tot Ion: 56 Resp: 13314
Ion Ratio Lower Upper
56 100
69 150.2 24.7 37.1#
84 111.0 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 46.577 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD064838.D
Acq: 10 Jan 2020 17:35

Tgt Ion: 65 Resp: 207250
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.2

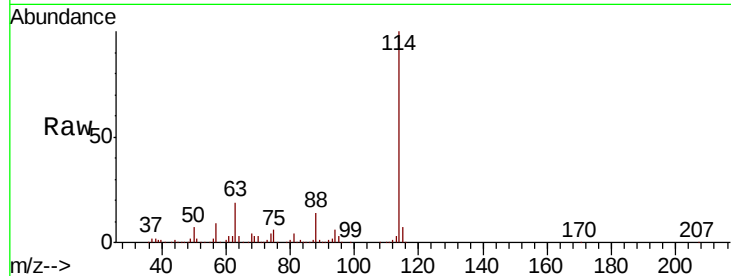




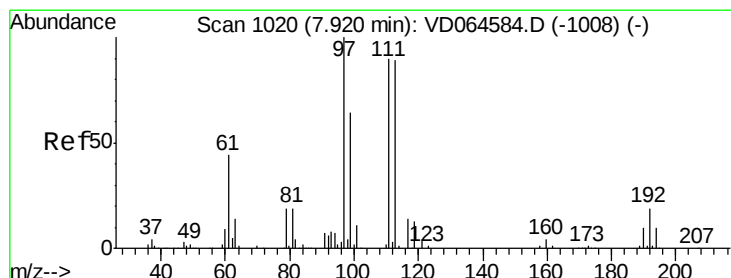
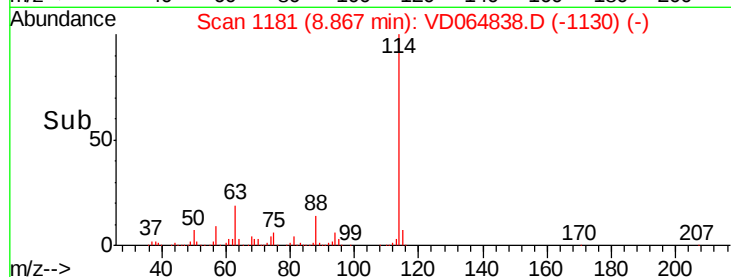
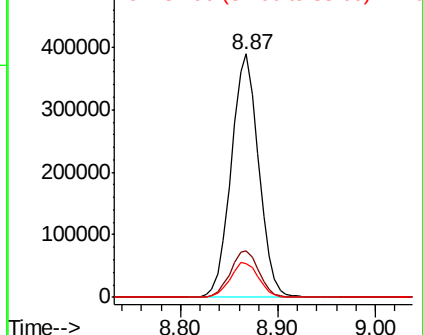
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD064838.D
Acq: 10 Jan 2020 17:35

Instrument :
MSVOA_D
ClientSampleId :
WP022SB452_200108_30-32

Tot Ion:114 Resp: 760241
Ion Ratio Lower Upper
114 100
63 19.1 0.0 38.0
88 13.7 0.0 29.2

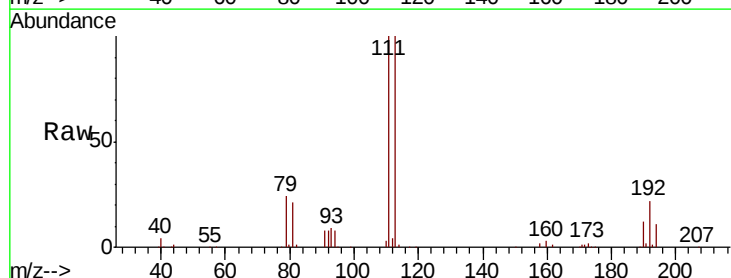


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

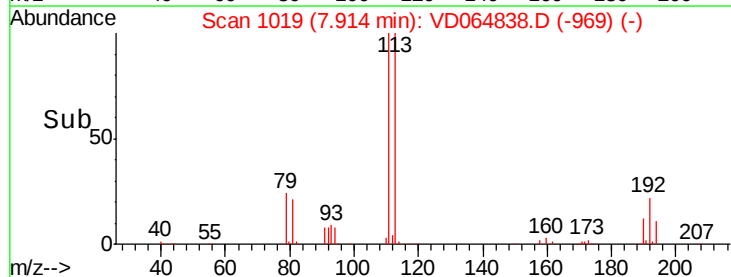
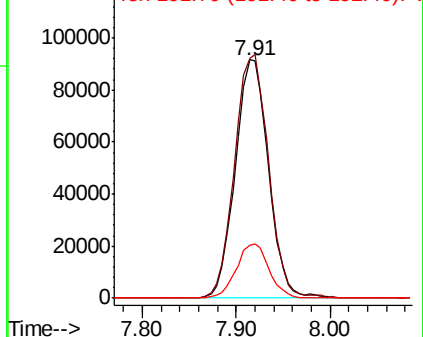


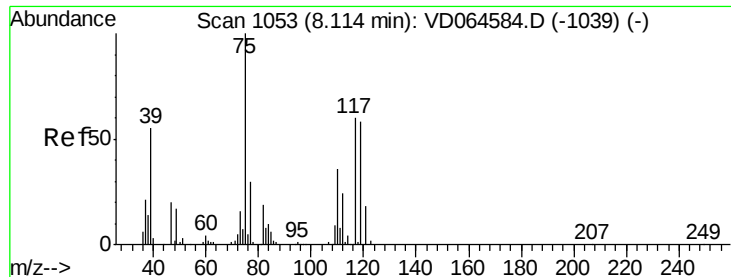
#35
Dibromofluoromethane
Concen: 48.171 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD064838.D
Acq: 10 Jan 2020 17:35

Tgt Ion:113 Resp: 224679
Ion Ratio Lower Upper
113 100
111 104.2 80.6 121.0
192 22.4 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

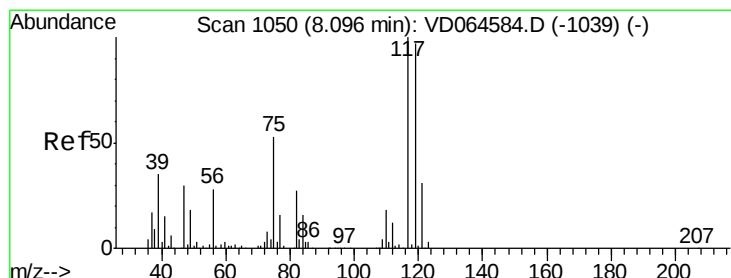
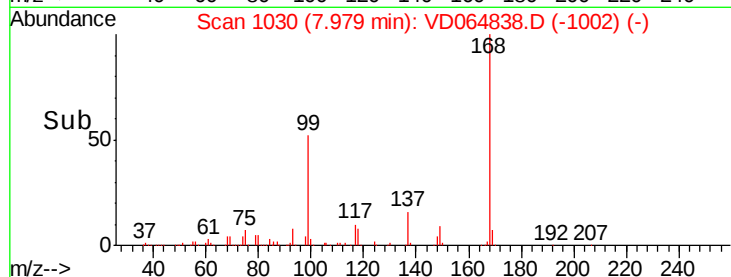
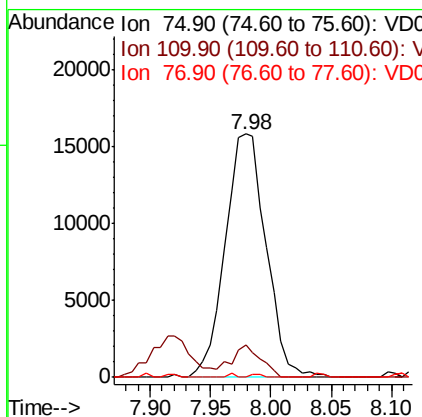
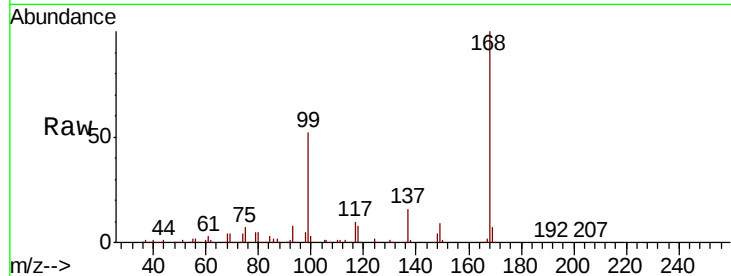




#36
 1,1-Dichloropropene
 Concen: 5.069 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD064838.D
 Acq: 10 Jan 2020 17:35

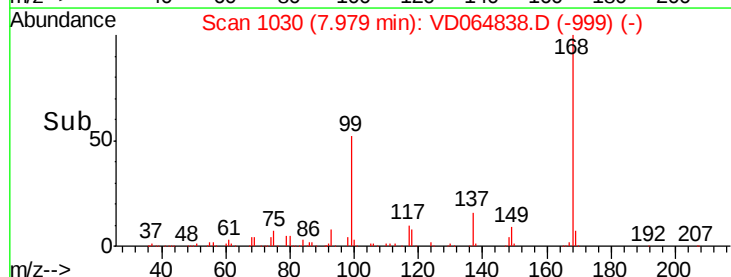
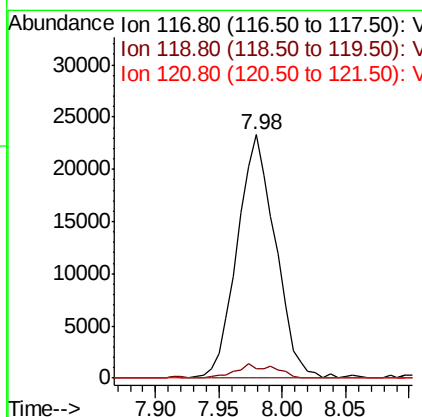
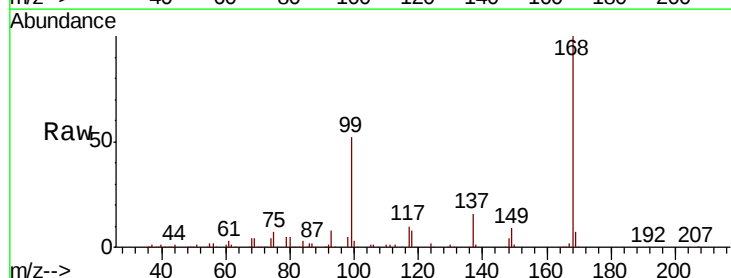
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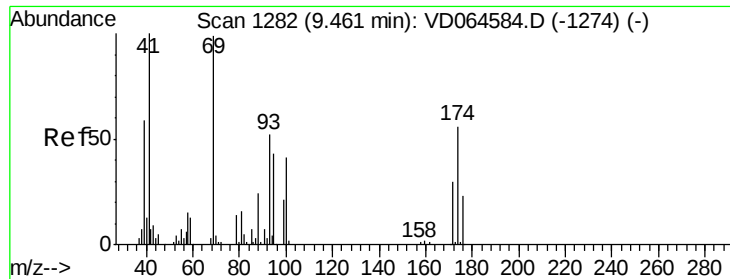
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.1	54.1#
77	0.4	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 6.257 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD064838.D
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Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	77.3	115.9#
121	0.0	25.0	37.6#

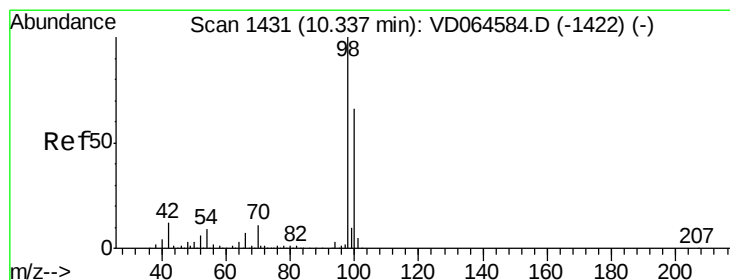
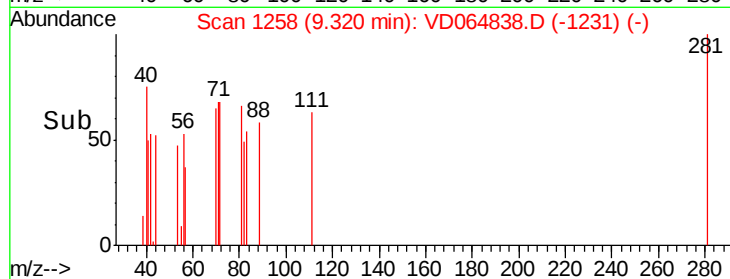
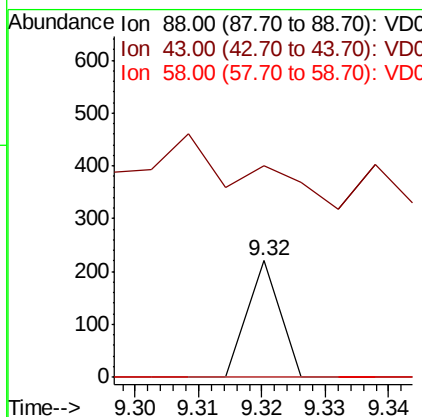
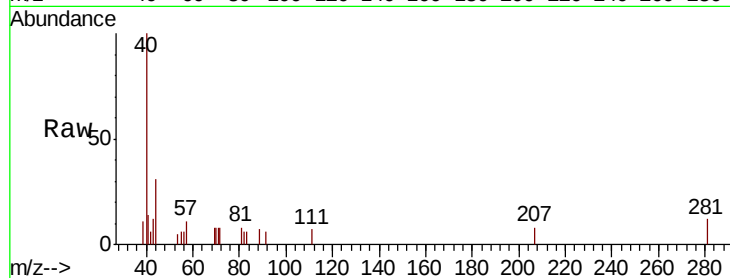




#49
1,4-Dioxane
Concen: 2.544 ug/l
RT: 9.32 min Scan# 1258
Delta R.T. -0.14 min
Lab File: VD064838.D
Acq: 10 Jan 2020 17:35

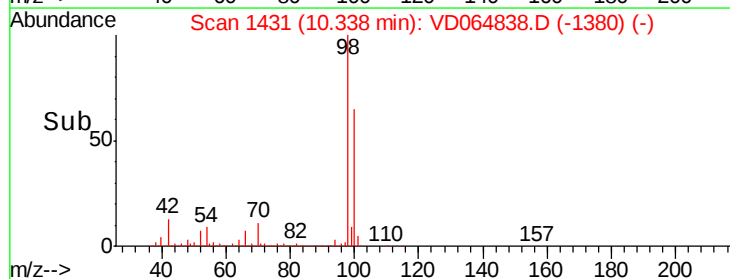
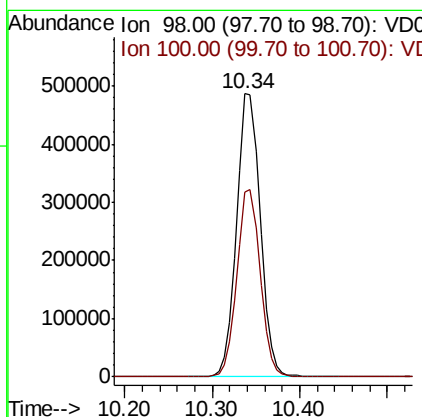
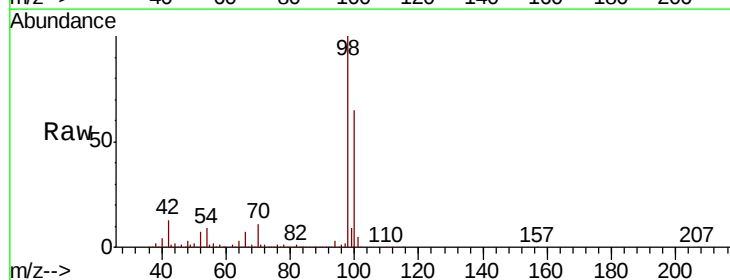
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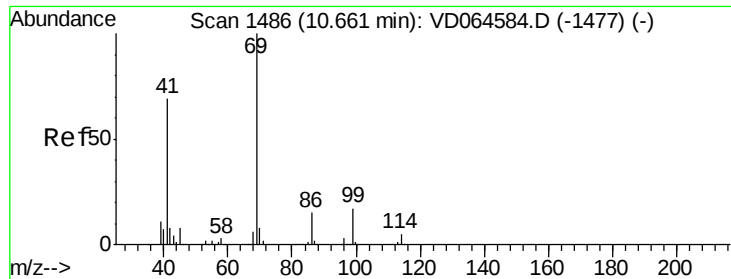
Tot Ion: 88 Resp: 78
Ion Ratio Lower Upper
88 100
43 671.8 27.7 41.5#
58 0.0 53.8 80.6#



#50
Toluene-d8
Concen: 49.635 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064838.D
Acq: 10 Jan 2020 17:35

Tgt Ion: 98 Resp: 886657
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5





#56

Ethyl methacrylate

Concen: 1.227 ug/l

RT: 10.64 min Scan# 1482

Delta R.T. -0.02 min

Lab File: VD064838.D

Acq: 10 Jan 2020 17:35

Instrument :

MSVOA_D

ClientSampleId :

WP022SB452_200108_30-32

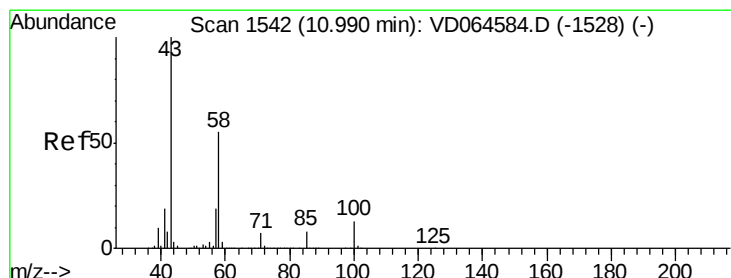
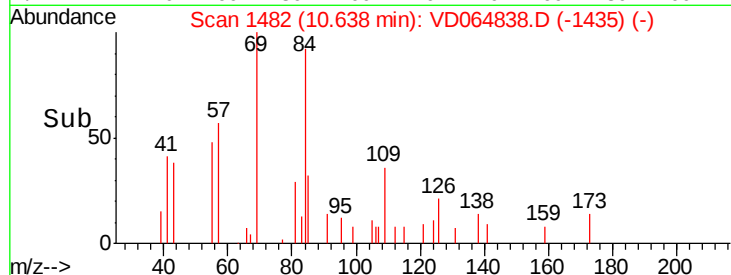
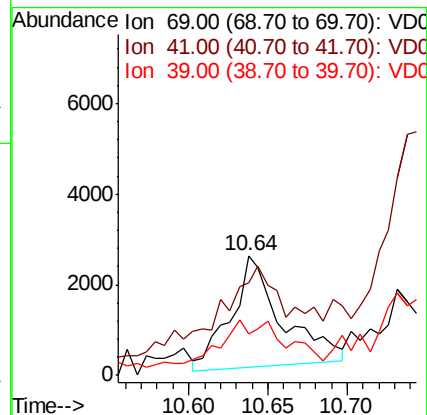
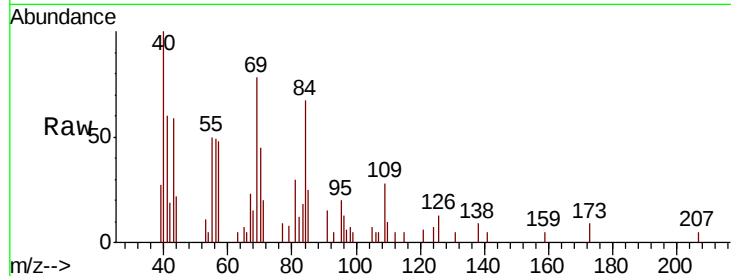
Tot Ion: 69 Resp: 5493

Ion Ratio Lower Upper

69 100

41 107.1 55.3 82.9#

39 55.3 33.8 50.8#



#59

2-Hexanone

Concen: 74.436 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. -0.03 min

Lab File: VD064838.D

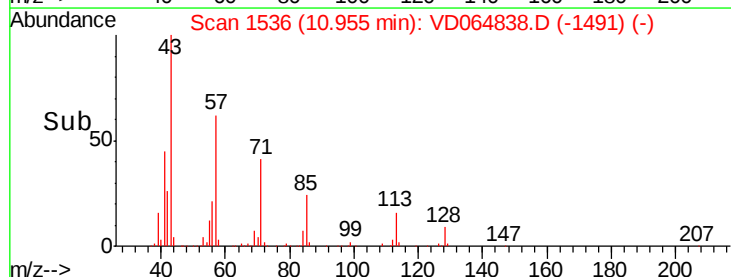
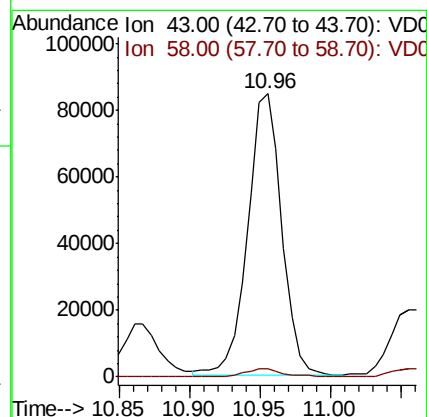
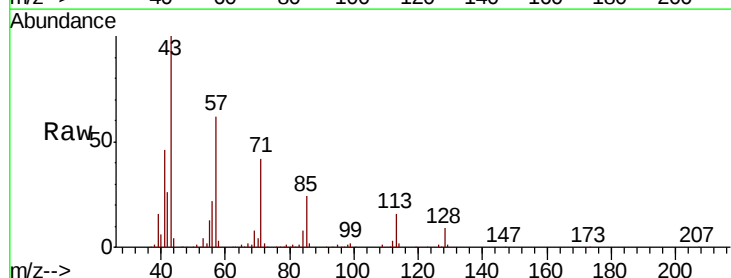
Acq: 10 Jan 2020 17:35

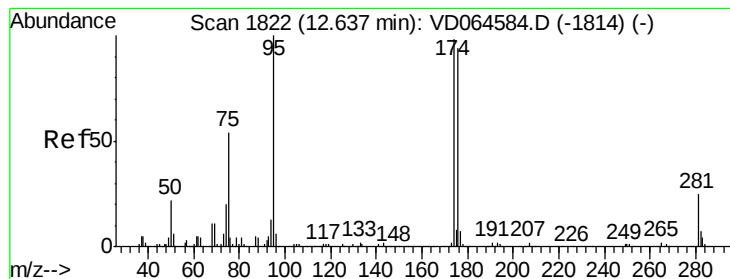
Tgt Ion: 43 Resp: 142879

Ion Ratio Lower Upper

43 100

58 3.4 26.4 79.0#





#62

4-Bromofluorobenzene

Concen: 39.347 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064838.D

Acq: 10 Jan 2020 17:35

Instrument :

MSVOA_D

ClientSampleId :

WP022SB452_200108_30-32

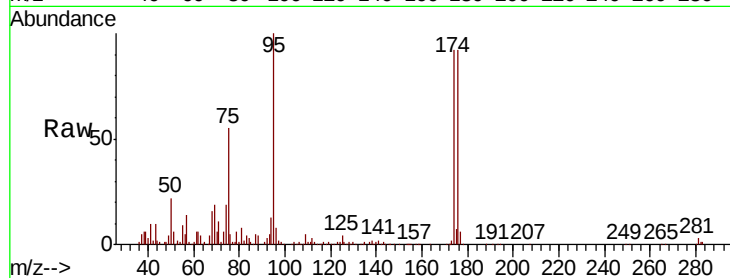
Tot Ion: 95 Resp: 222256

Ion Ratio Lower Upper

95 100

174 93.1 0.0 193.2

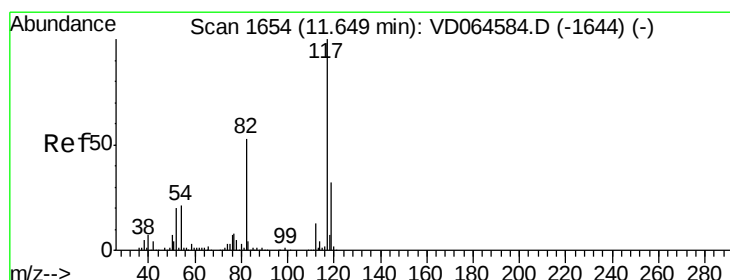
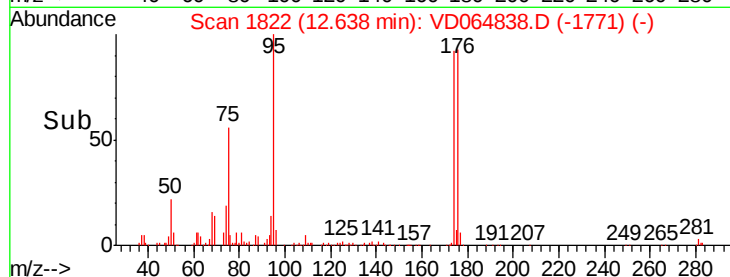
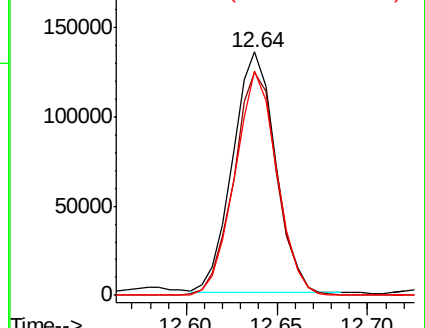
176 91.0 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064838.D

Acq: 10 Jan 2020 17:35

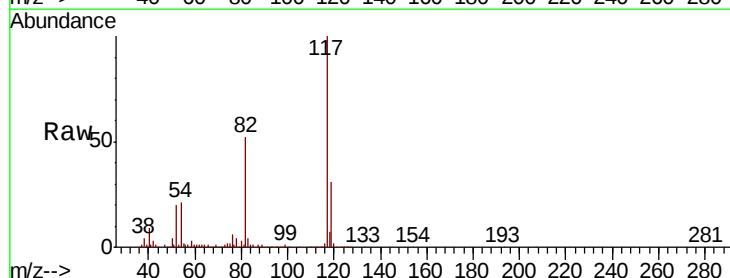
Tgt Ion: 117 Resp: 599293

Ion Ratio Lower Upper

117 100

82 51.6 42.2 63.4

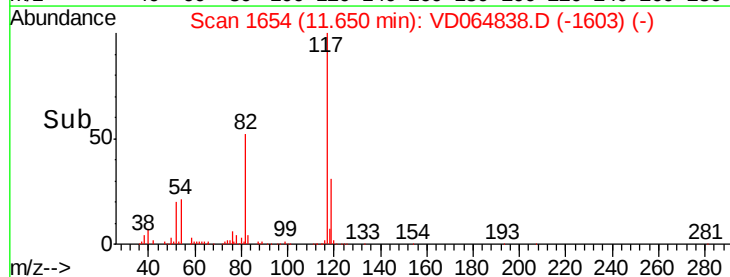
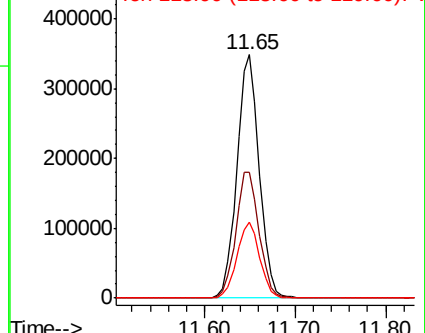
119 31.3 26.0 39.0

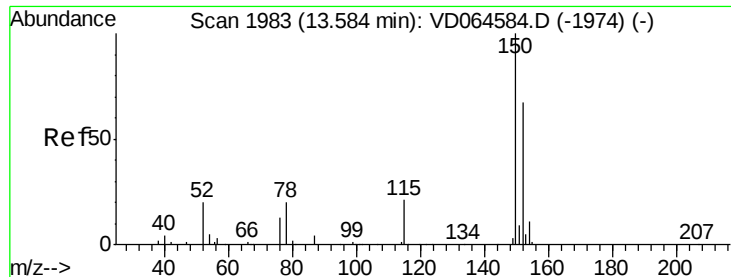


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064838.D

Acq: 10 Jan 2020 17:35

Instrument :

MSVOA_D

ClientSampleId :

WP022SB452_200108_30-32

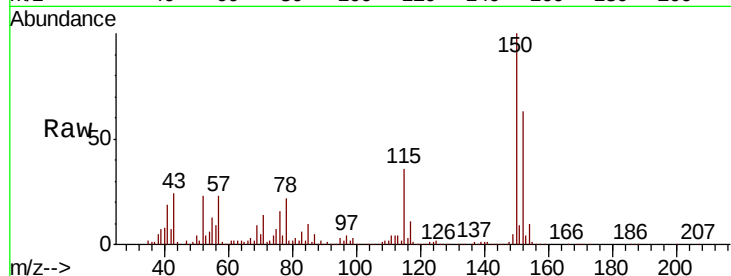
Tot Ion:152 Resp: 206944

Ion Ratio Lower Upper

152 100

115 53.4 27.8 83.4

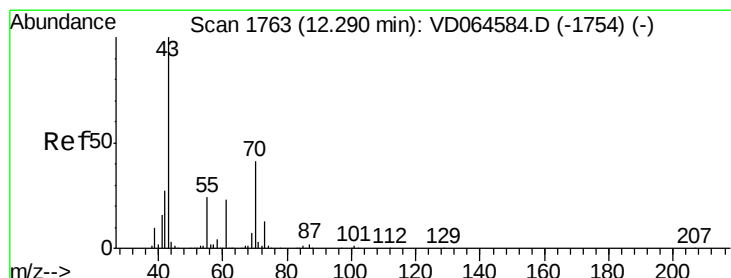
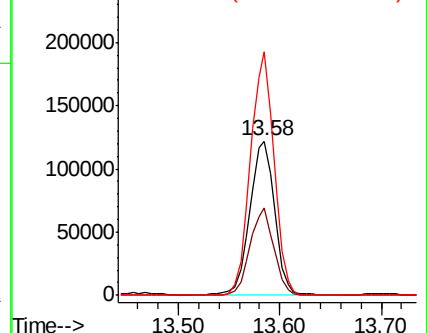
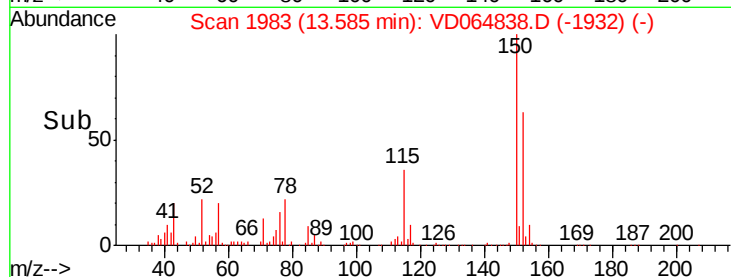
150 150.1 0.0 351.4



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



#74

N-ethyl acetate

Concen: 67.236 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD064838.D

Acq: 10 Jan 2020 17:35

Tgt Ion: 43 Resp: 212551

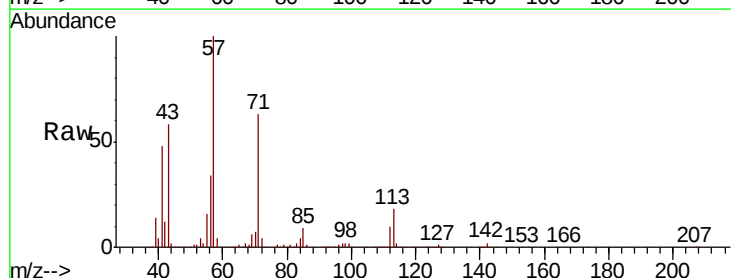
Ion Ratio Lower Upper

43 100

70 16.0 33.4 50.0#

55 31.9 19.4 29.0#

61 0.0 18.3 27.5#

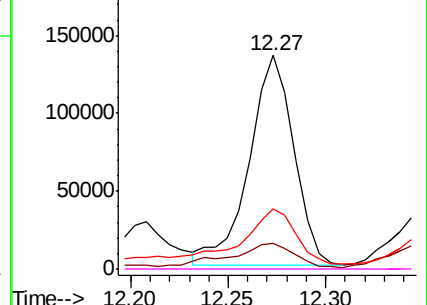
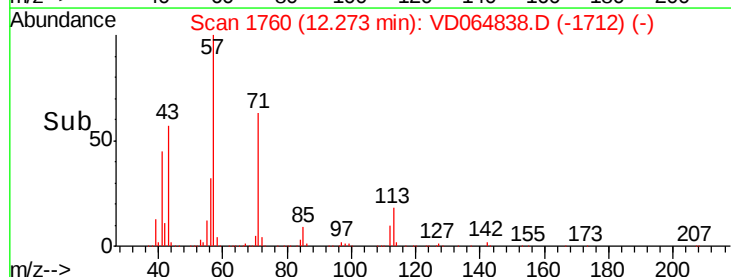


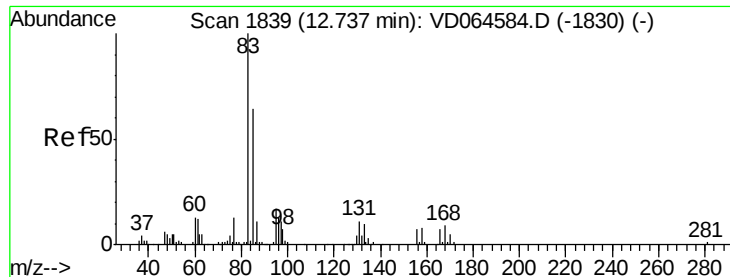
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 2.089 ug/l

RT: 12.70 min Scan# 1833

Delta R.T. -0.03 min

Lab File: VD064838.D

Acq: 10 Jan 2020 17:35

Instrument :

MSVOA_D

ClientSampleId :

WP022SB452_200108_30-32

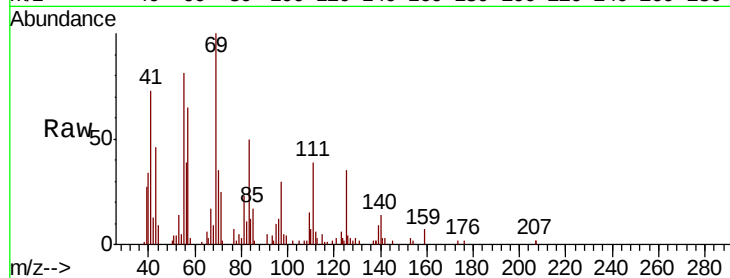
Tot Ion: 83 Resp: 4854

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

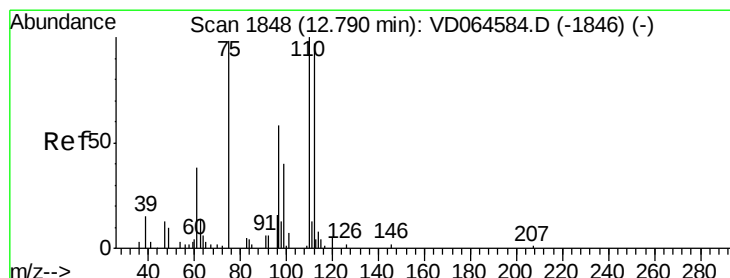
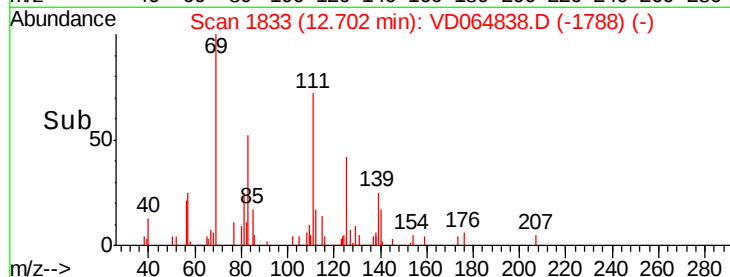
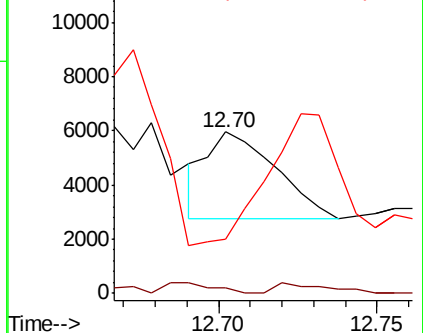
85 0.0 32.3 96.9#



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 74.531 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064838.D

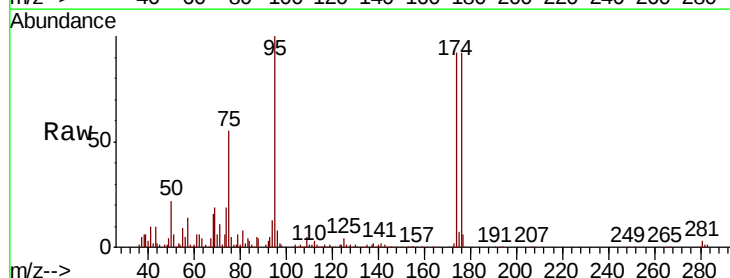
Acq: 10 Jan 2020 17:35

Tgt Ion: 75 Resp: 121795

Ion Ratio Lower Upper

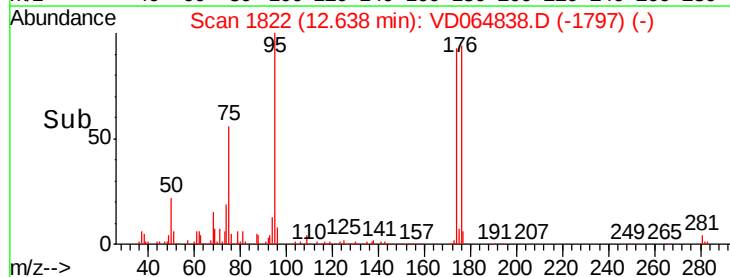
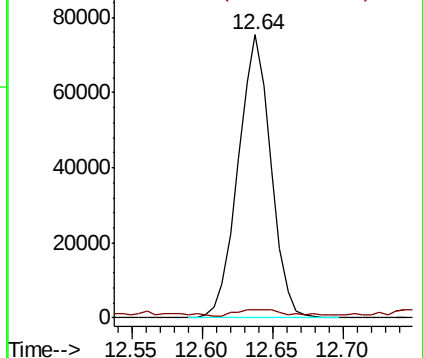
75 100

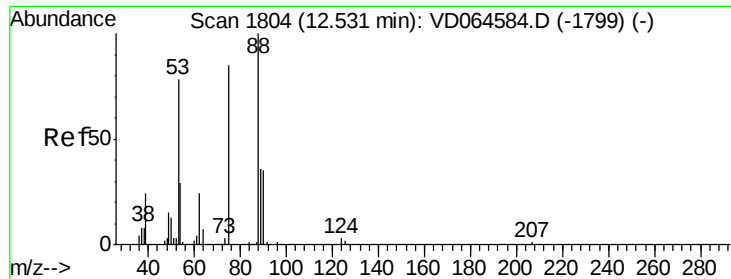
77 3.3 0.0 0.0#



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: 155.879 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064838.D

Acq: 10 Jan 2020 17:35

Instrument :

MSVOA_D

ClientSampleId :

WP022SB452_200108_30-32

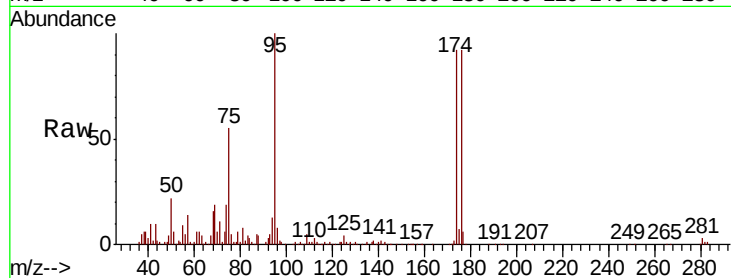
Tot Ion: 75 Resp: 121795

Ion Ratio Lower Upper

75 100

53 1.6 78.8 118.2#

89 0.2 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

