

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011020\
 Data File : VD064835.D
 Acq On : 10 Jan 2020 16:08
 Operator : VA/SY
 Sample : L1063-06
 Misc : 4.94G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB452_200108_FD_30-32

Quant Time: Jan 10 22:26:55 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	439604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	662562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	471090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	145542	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	173994	44.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.78%	
35) Dibromofluoromethane	7.92	113	196828	48.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.84%	
50) Toluene-d8	10.34	98	737567	47.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.76%	
62) 4-Bromofluorobenzene	12.64	95	164402	33.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	66.80%	

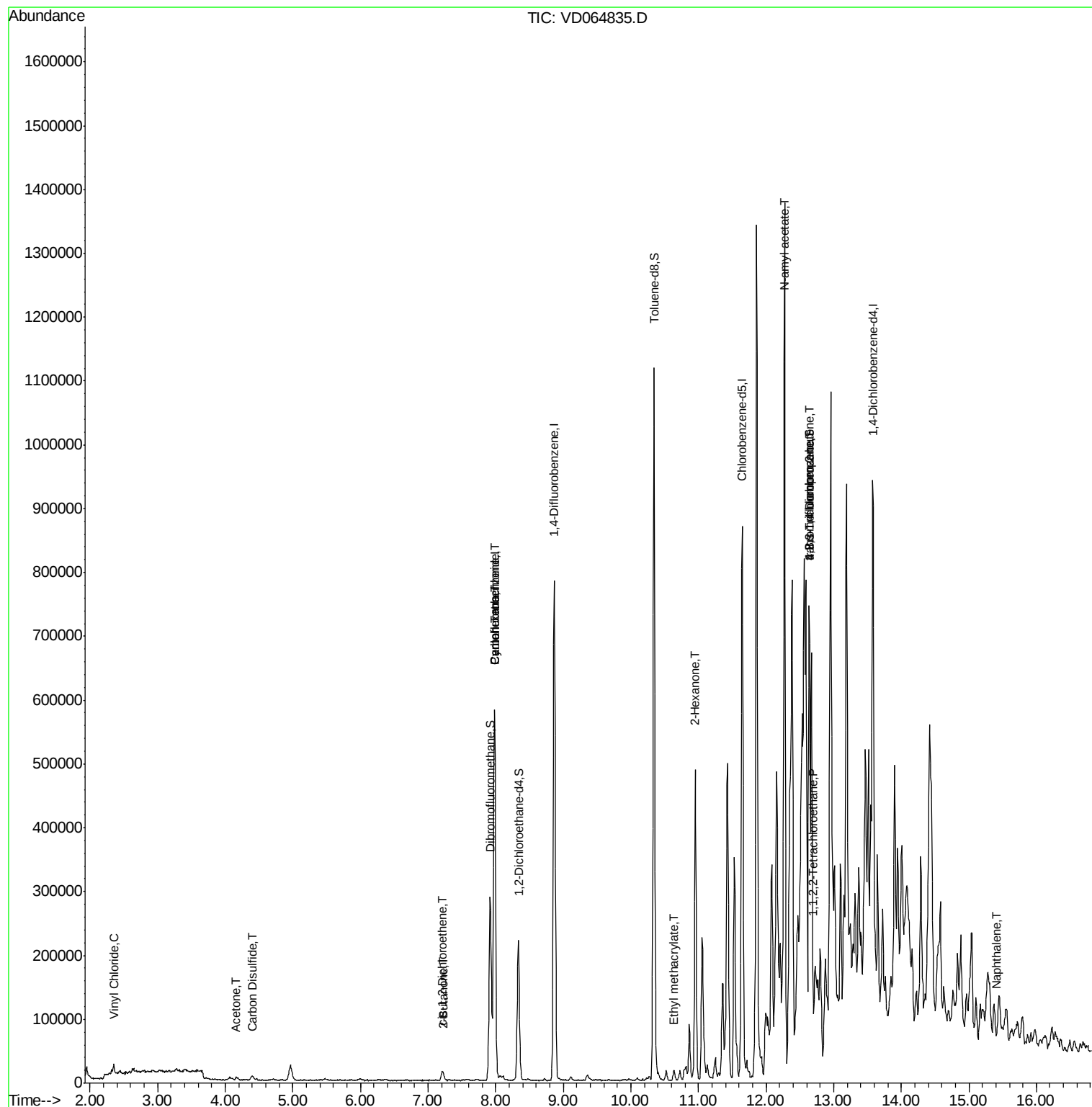
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.35	62	7926	1.361	ug/l	89
16) Acetone	4.17	43	8828	13.723	ug/l #	85
17) Carbon Disulfide	4.40	76	14304	1.144	ug/l	97
20) Methylene Chloride	4.97	84	16107	Below Cal		92
25) 2-Butanone	7.23	43	2791	2.619	ug/l #	77
27) cis-1,2-Dichloroethene	7.21	96	6111	1.286	ug/l	83
31) Cyclohexane	7.98	56	12126	1.678	ug/l #	34
38) Carbon Tetrachloride	7.98	117	44549	6.551	ug/l #	16
56) Ethyl methacrylate	10.64	69	3926	1.007	ug/l #	86
59) 2-Hexanone	10.96	43	180788	108.071	ug/l #	30
74) N-amyl acetate	12.27	43	296517	133.368	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	12.70	83	7170	4.388	ug/l #	26
76) 1,2,3-Trichloropropane	12.64	75	91710	79.797	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	91710	166.893	ug/l #	10
95) Naphthalene	15.41	128	5678	1.173	ug/l #	75

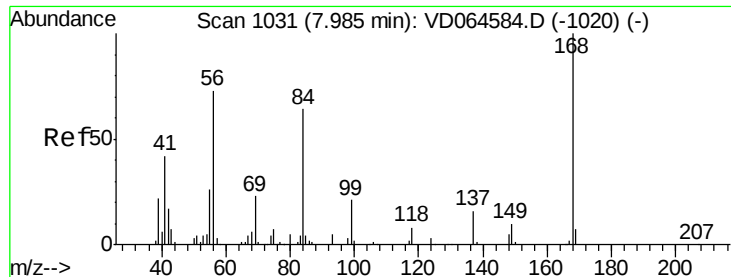
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064835.D

Acq: 10 Jan 2020 16:08

Instrument :

MSVOA_D

ClientSampleId :

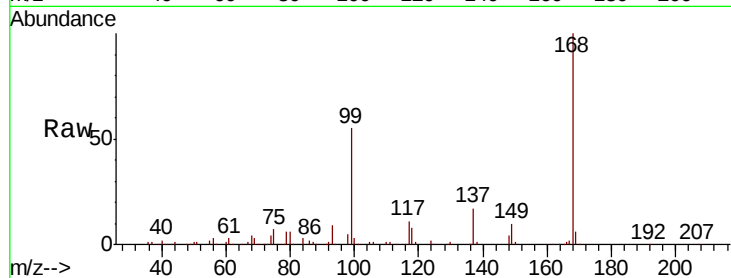
WP022SB452_200108_FD_30-32

Tot Ion:168 Resp: 439604

Ion Ratio Lower Upper

168 100

99 55.2 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

200000

150000

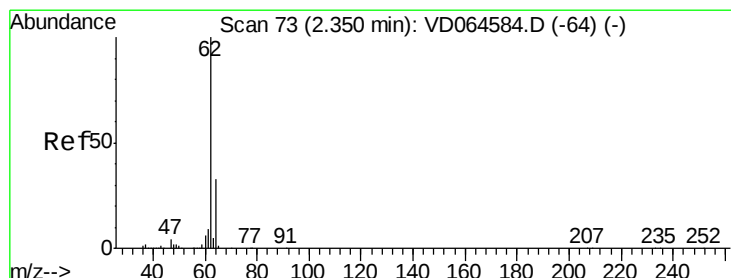
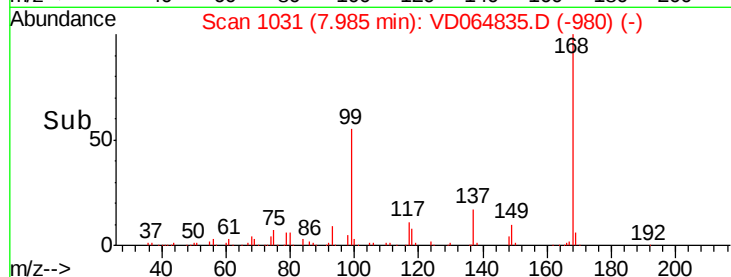
100000

50000

0

7.90 8.00 8.10

Time-->



#4

Vinyl Chloride

Concen: 1.361 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064835.D

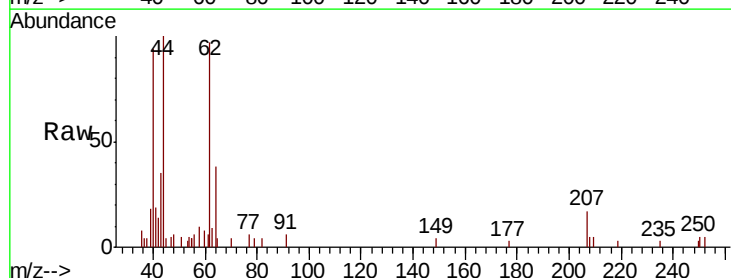
Acq: 10 Jan 2020 16:08

Tgt Ion: 62 Resp: 7926

Ion Ratio Lower Upper

62 100

64 39.7 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

5000

4000

3000

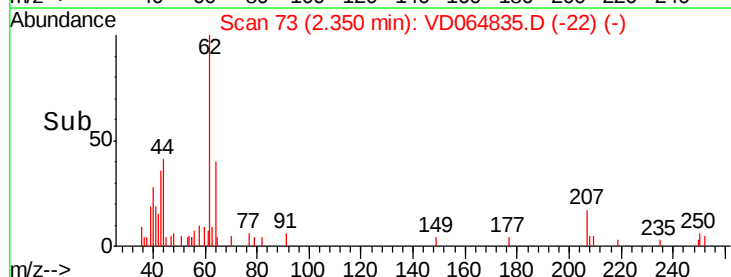
2000

1000

0

2.30 2.35 2.40

Time-->

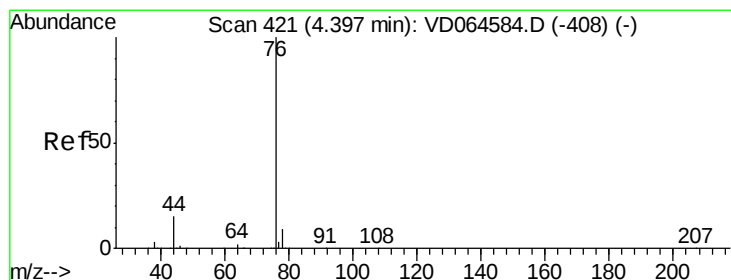
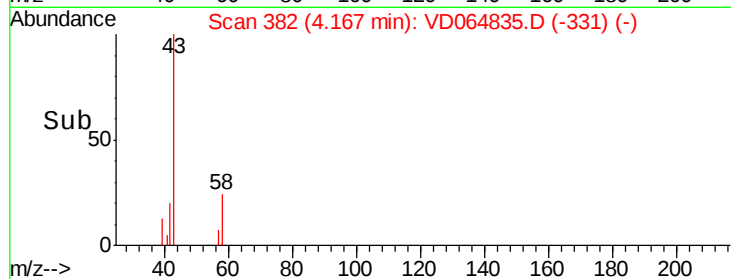
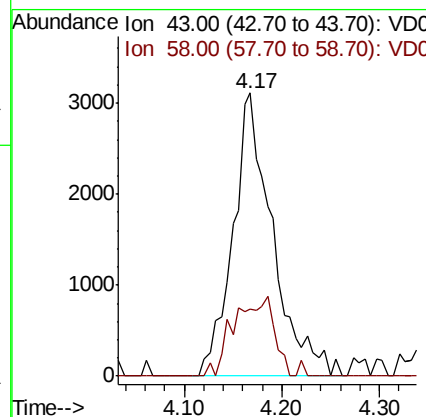
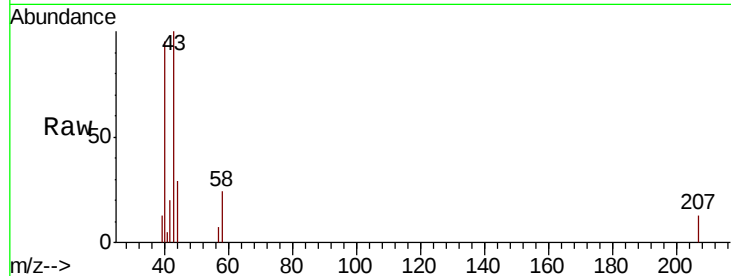




#16
Acetone
Concen: 13.723 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.00 min
Lab File: VD064835.D
Acq: 10 Jan 2020 16:08

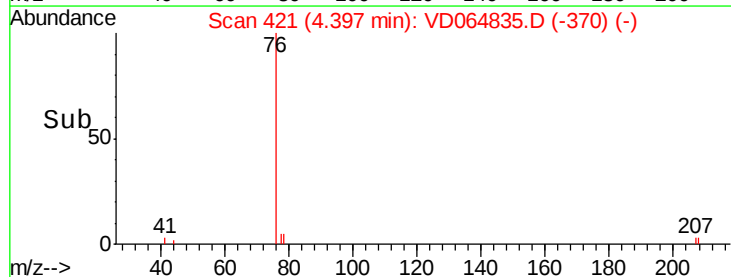
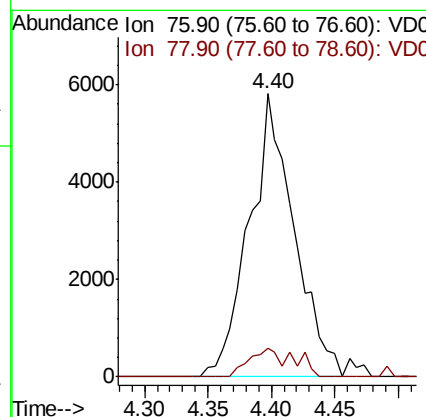
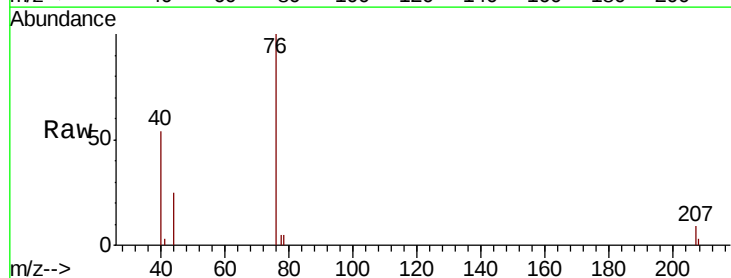
Instrument :
MSVOA_D
ClientSampleId :
WP022SB452_200108_FD_30-32

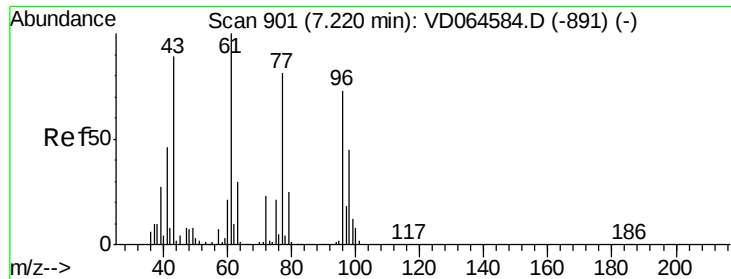
Tot Ion: 43 Resp: 8828
Ion Ratio Lower Upper
43 100
58 23.6 25.8 38.6#



#17
Carbon Disulfide
Concen: 1.144 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064835.D
Acq: 10 Jan 2020 16:08

Tgt Ion: 76 Resp: 14304
Ion Ratio Lower Upper
76 100
78 10.3 7.3 10.9

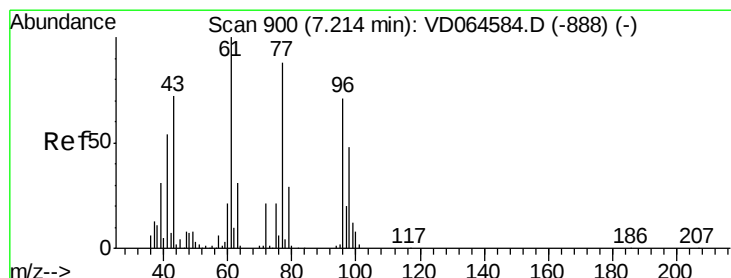
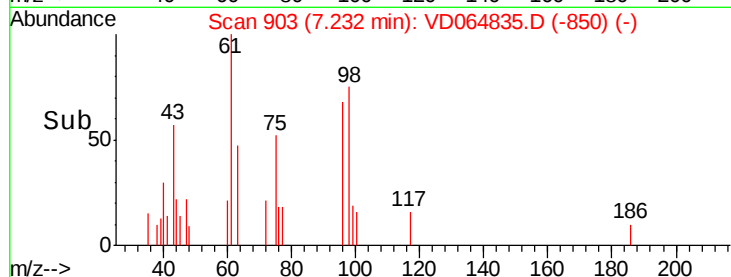
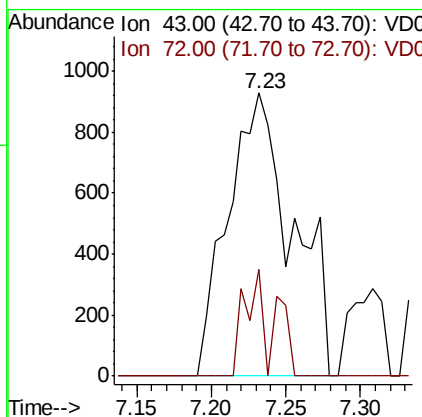
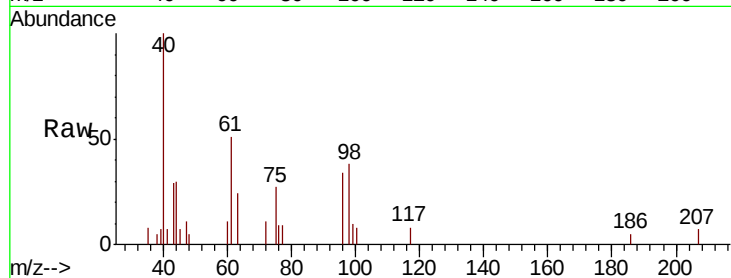




#25
 2-Butanone
 Concen: 2.619 ug/l
 RT: 7.23 min Scan# 903
 Delta R.T. 0.01 min
 Lab File: VD064835.D
 Acq: 10 Jan 2020 16:08

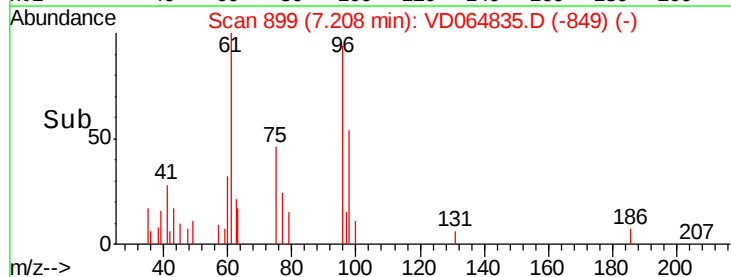
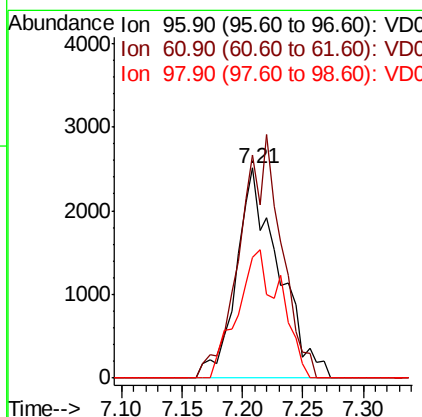
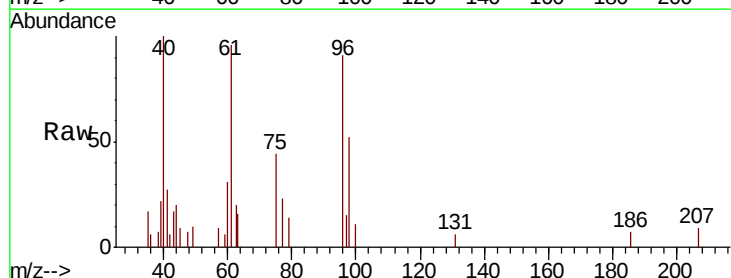
Instrument :
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 ClientSampleId :
 WP022SB452_200108_FD_30-32

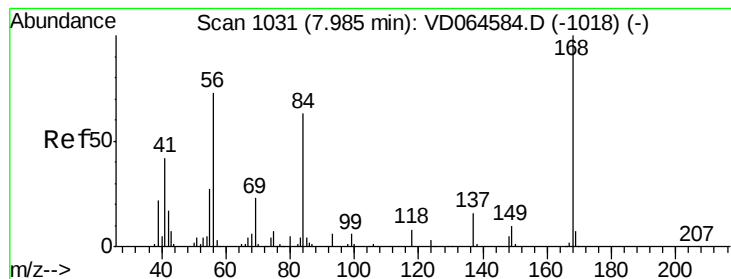
Tot Ion: 43 Resp: 2791
 Ion Ratio Lower Upper
 43 100
 72 37.6 20.7 31.1#



#27
 cis-1,2-Dichloroethene
 Concen: 1.286 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064835.D
 Acq: 10 Jan 2020 16:08

Tgt Ion: 96 Resp: 6111
 Ion Ratio Lower Upper
 96 100
 61 112.8 0.0 282.6
 98 62.0 0.0 130.8





#31

Cyclohexane

Concen: 1.678 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064835.D

Acq: 10 Jan 2020 16:08

Instrument :

MSVOA_D

ClientSampleId :

WP022SB452_200108_FD_30-32

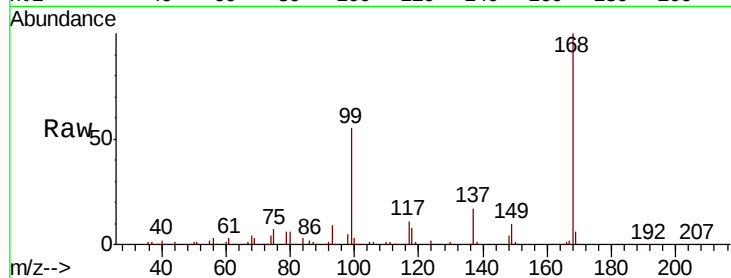
Tot Ion: 56 Resp: 12126

Ion Ratio Lower Upper

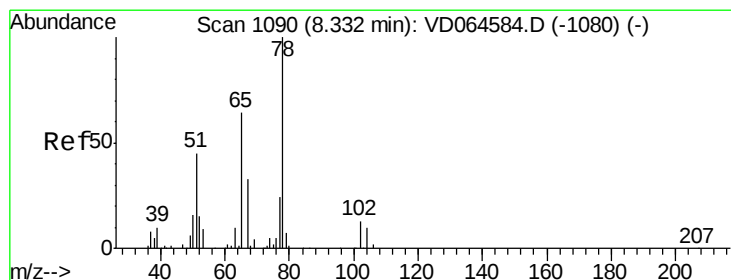
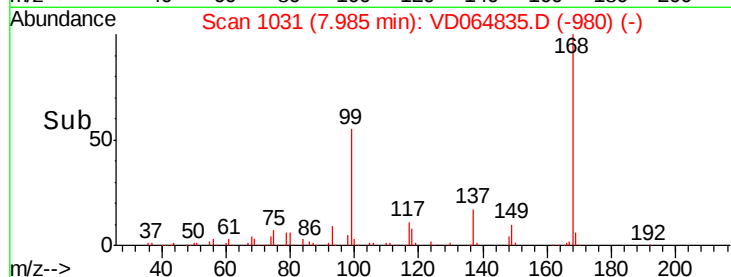
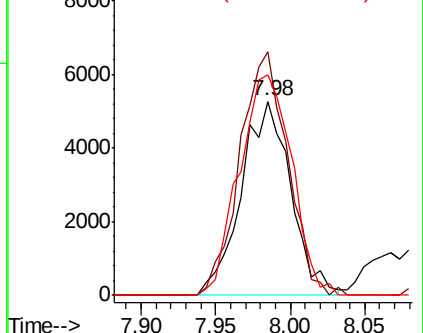
56 100

69 125.5 24.7 37.1#

84 113.4 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: 44.886 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064835.D

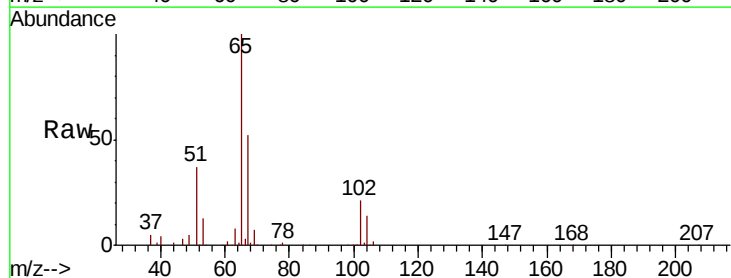
Acq: 10 Jan 2020 16:08

Tgt Ion: 65 Resp: 173994

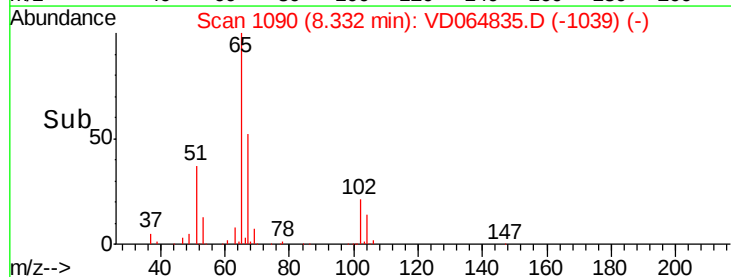
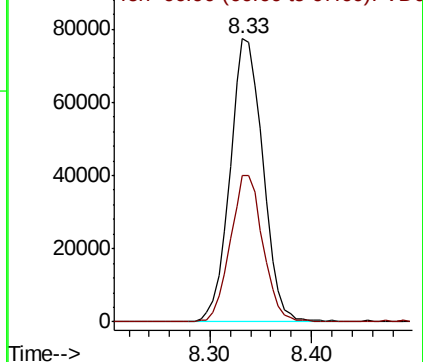
Ion Ratio Lower Upper

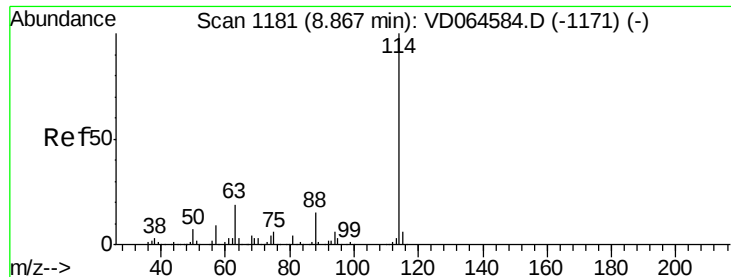
65 100

67 51.3 0.0 106.2



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

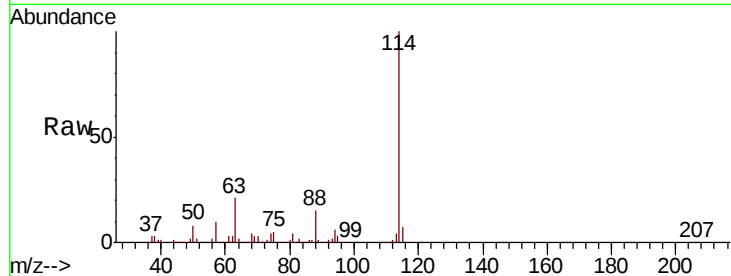




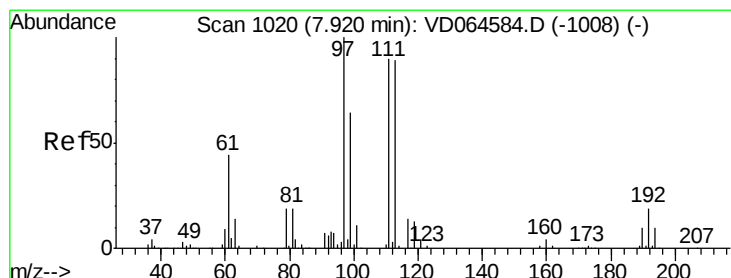
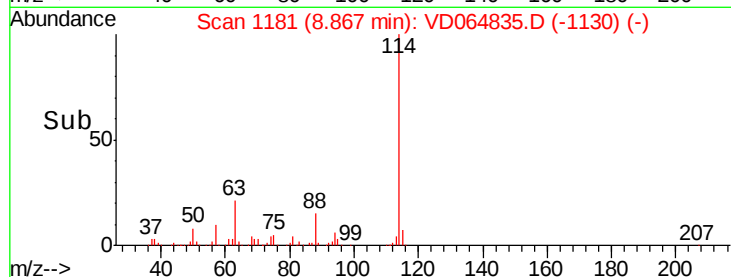
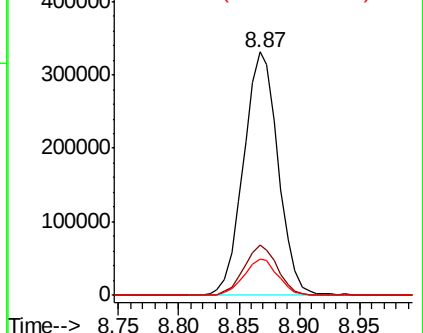
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064835.D
 Acq: 10 Jan 2020 16:08

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB452_200108_FD_30-32

Tot Ion:114 Resp: 662562
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 38.0
 88 15.0 0.0 29.2

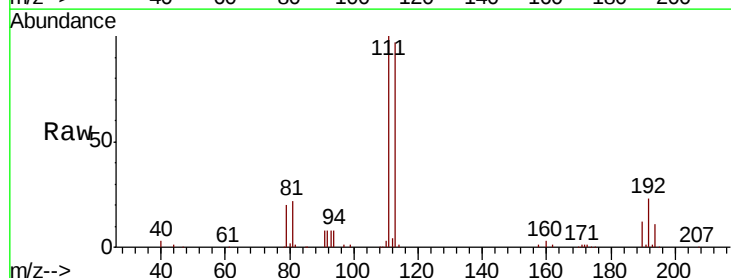


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

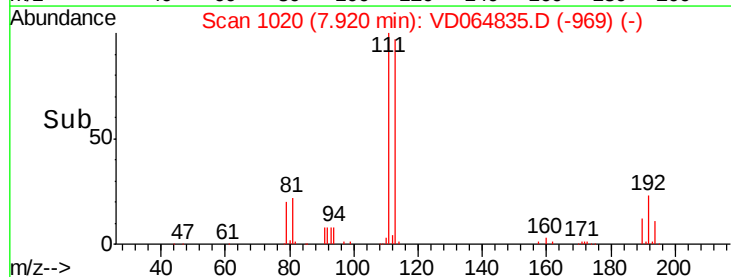
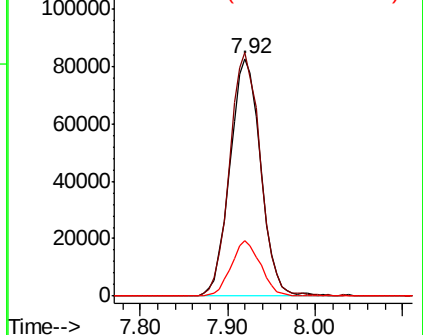


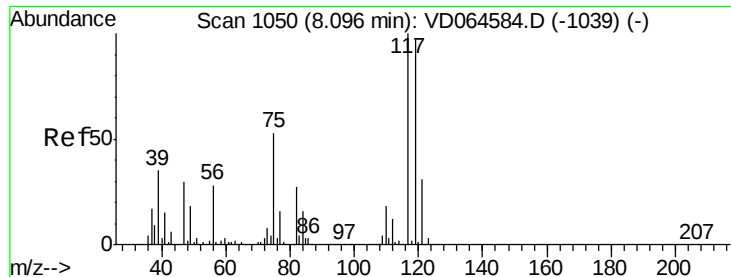
#35
 Dibromofluoromethane
 Concen: 48.421 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064835.D
 Acq: 10 Jan 2020 16:08

Tgt Ion:113 Resp: 196828
 Ion Ratio Lower Upper
 113 100
 111 102.6 80.6 121.0
 192 22.3 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





#38

Carbon Tetrachloride

Concen: 6.551 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064835.D

Acq: 10 Jan 2020 16:08

Instrument :

MSVOA_D

ClientSampleId :

WP022SB452_200108_FD_30-32

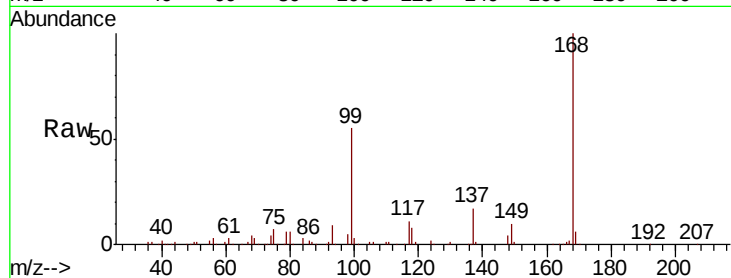
Tot Ion:117 Resp: 44549

Ion Ratio Lower Upper

117 100

119 5.0 77.3 115.9#

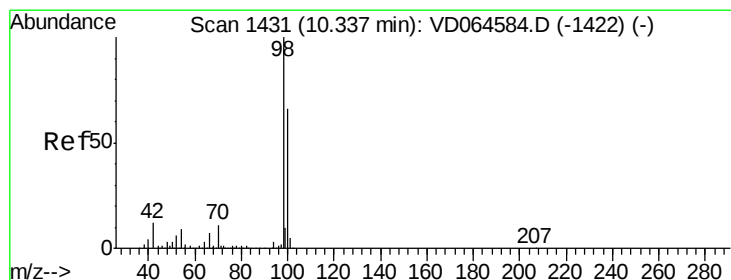
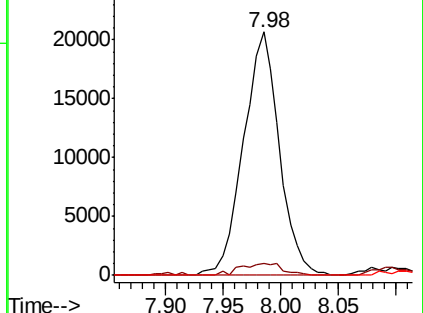
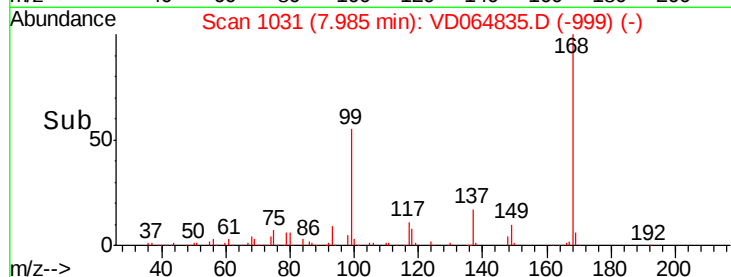
121 0.0 25.0 37.6#



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



#50

Toluene-d8

Concen: 47.376 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064835.D

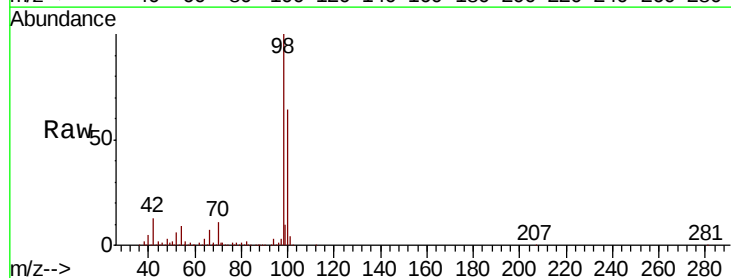
Acq: 10 Jan 2020 16:08

Tgt Ion: 98 Resp: 737567

Ion Ratio Lower Upper

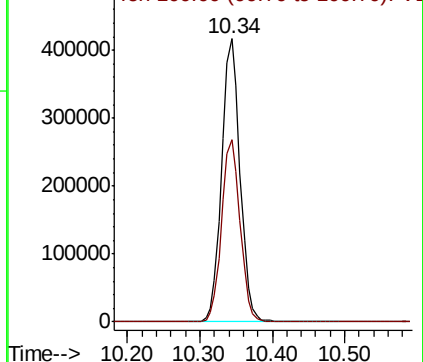
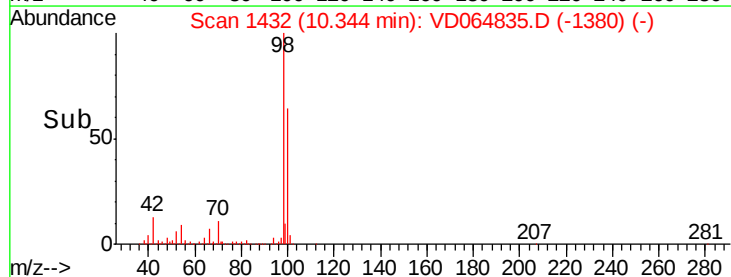
98 100

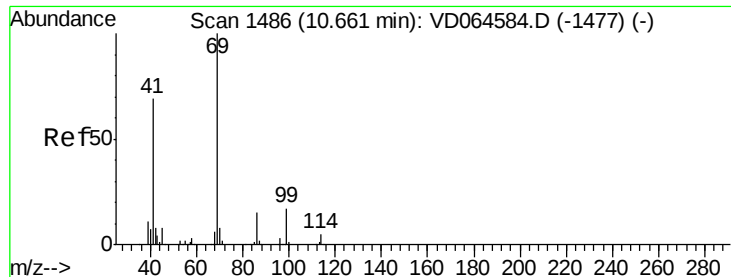
100 64.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#56

Ethyl methacrylate

Concen: 1.007 ug/l

RT: 10.64 min Scan# 1483

Delta R.T. -0.02 min

Lab File: VD064835.D

Acq: 10 Jan 2020 16:08

Instrument :

MSVOA_D

ClientSampleId :

WP022SB452_200108_FD_30-32

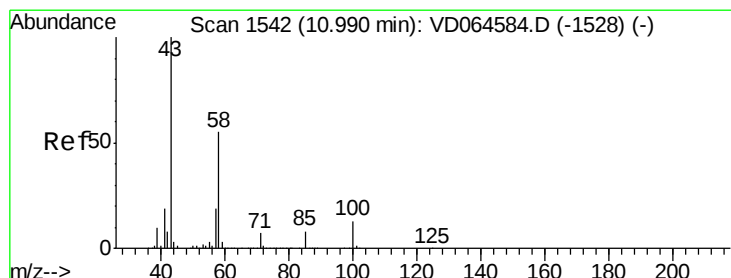
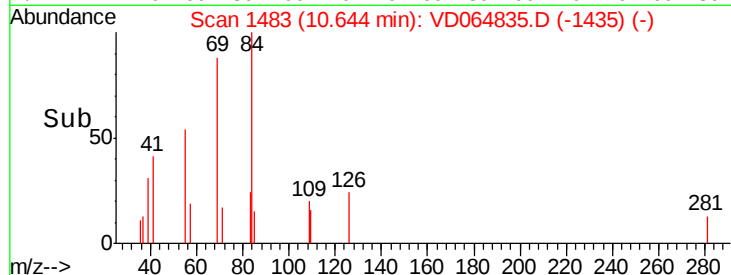
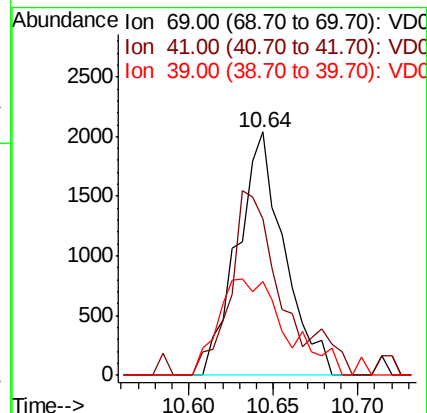
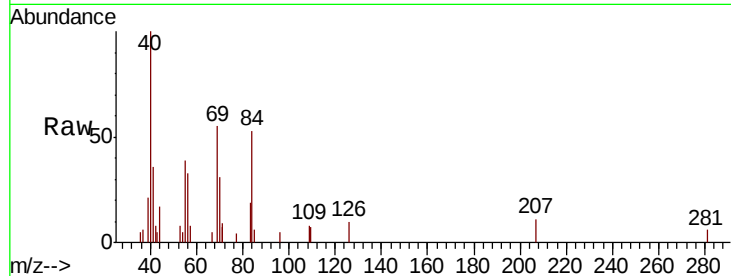
Tot Ion: 69 Resp: 3926

Ion Ratio Lower Upper

69 100

41 75.8 55.3 82.9

39 57.7 33.8 50.8#



#59

2-Hexanone

Concen: 108.071 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. -0.04 min

Lab File: VD064835.D

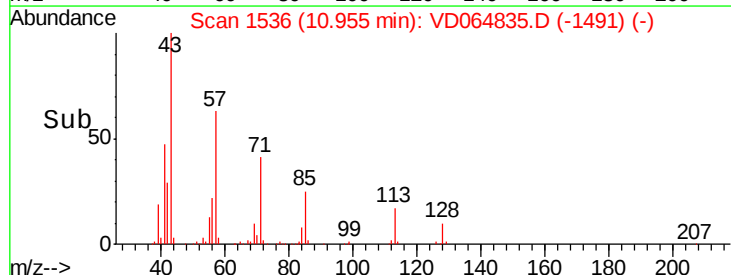
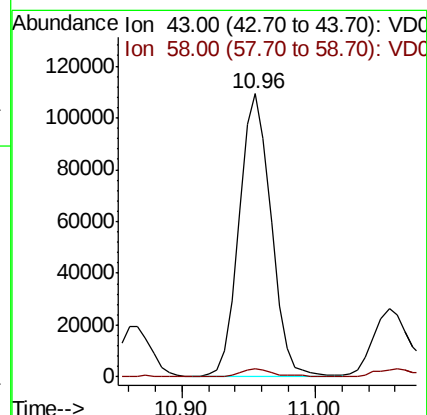
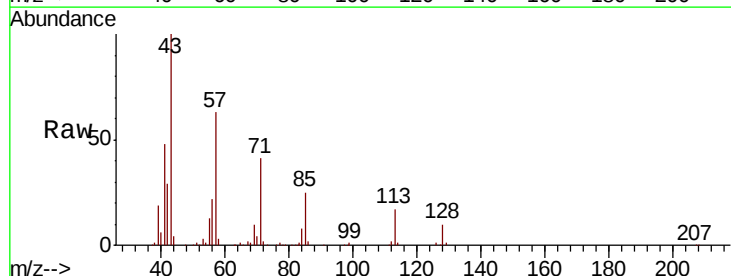
Acq: 10 Jan 2020 16:08

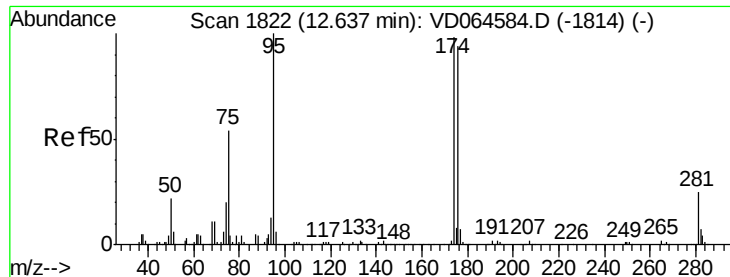
Tgt Ion: 43 Resp: 180788

Ion Ratio Lower Upper

43 100

58 2.9 26.4 79.0#

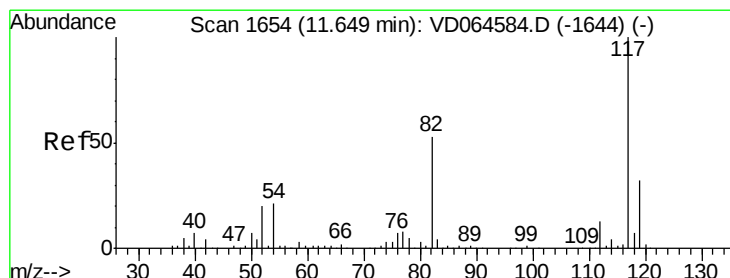
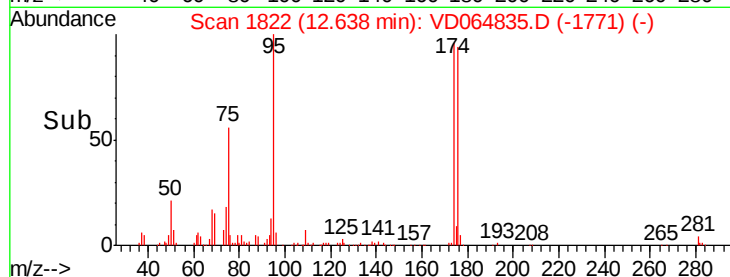
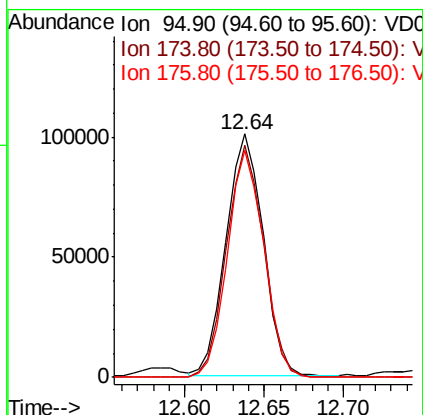
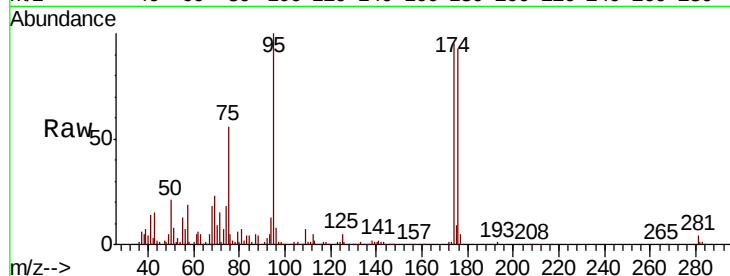




#62
4-Bromofluorobenzene
Concen: 33.396 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064835.D
Acq: 10 Jan 2020 16:08

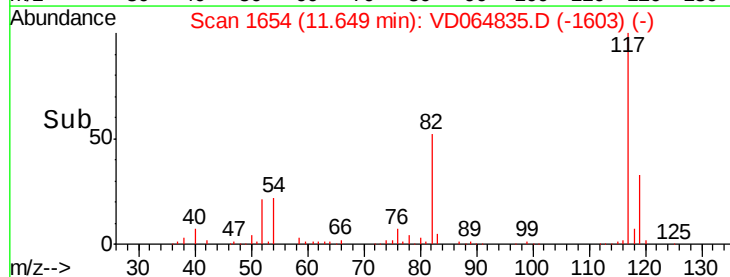
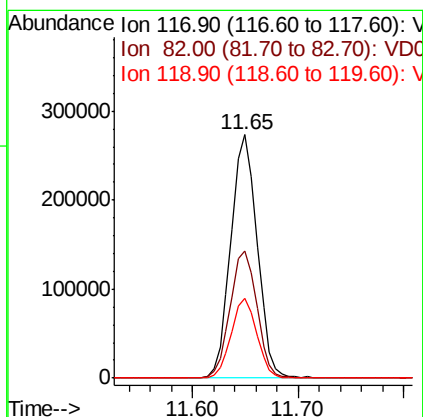
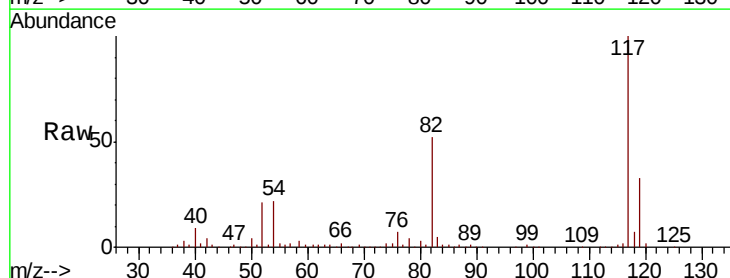
Instrument :
MSVOA_D
ClientSampleId :
WP022SB452_200108_FD_30-32

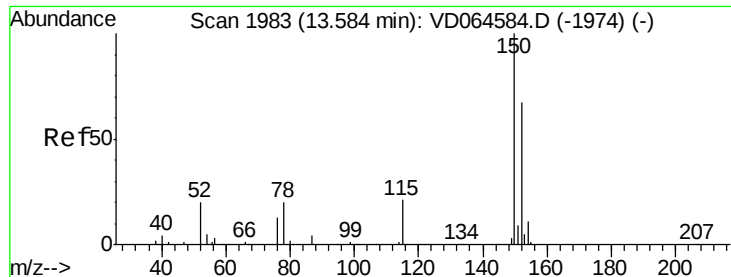
Tot Ion: 95 Resp: 164402
Ion Ratio Lower Upper
95 100
174 95.0 0.0 193.2
176 91.5 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064835.D
Acq: 10 Jan 2020 16:08

Tgt Ion: 117 Resp: 471090
Ion Ratio Lower Upper
117 100
82 52.3 42.2 63.4
119 32.9 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD064835.D

Acq: 10 Jan 2020 16:08

Instrument :

MSVOA_D

ClientSampleId :

WP022SB452_200108_FD_30-32

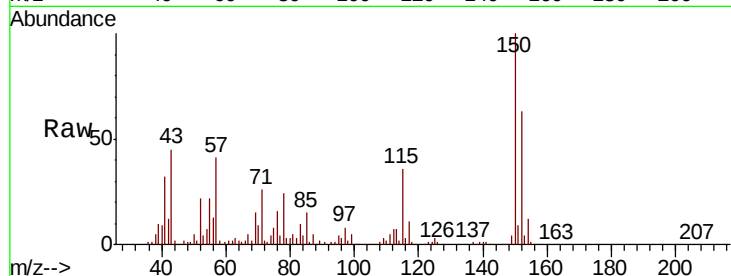
Tot Ion:152 Resp: 145542

Ion Ratio Lower Upper

152 100

115 53.1 27.8 83.4

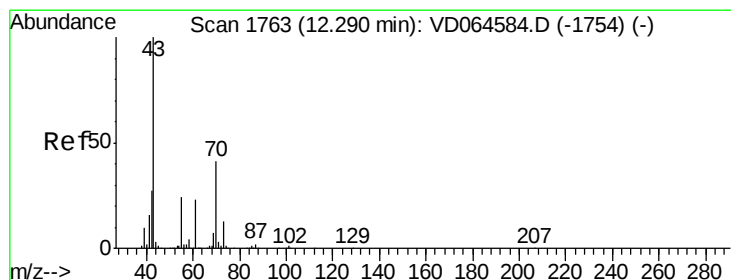
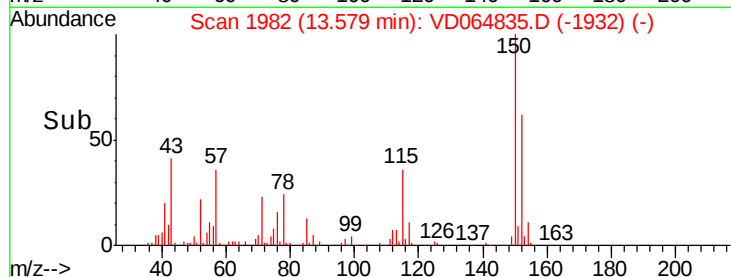
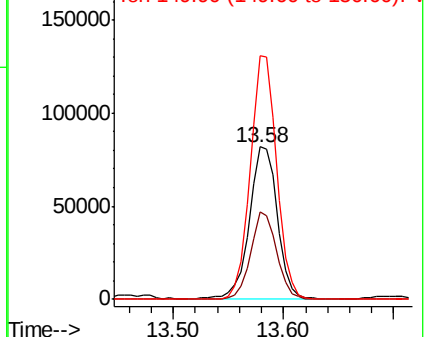
150 150.7 0.0 351.4



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: 133.368 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD064835.D

Acq: 10 Jan 2020 16:08

Tgt Ion: 43 Resp: 296517

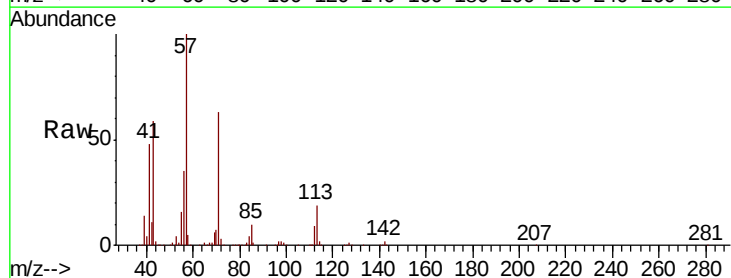
Ion Ratio Lower Upper

43 100

70 15.9 33.4 50.0#

55 31.0 19.4 29.0#

61 0.0 18.3 27.5#

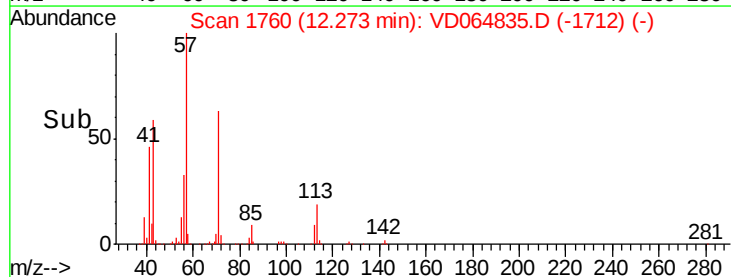
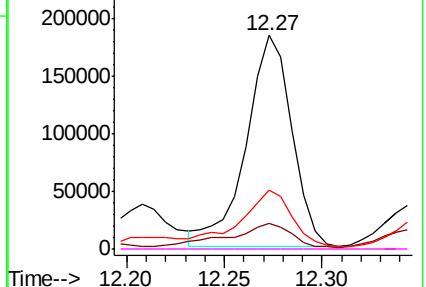


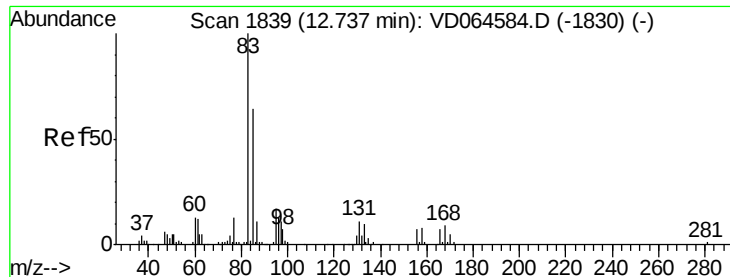
Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 4.388 ug/l

RT: 12.70 min Scan# 1832

Delta R.T. -0.04 min

Lab File: VD064835.D

Acq: 10 Jan 2020 16:08

Instrument :

MSVOA_D

ClientSampleId :

WP022SB452_200108_FD_30-32

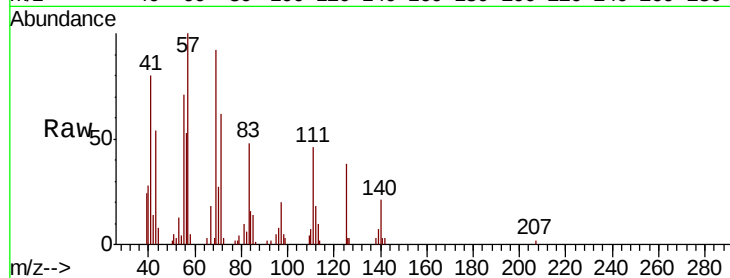
Tot Ion: 83 Resp: 7170

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

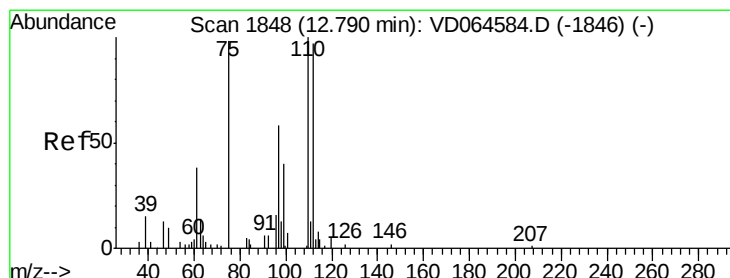
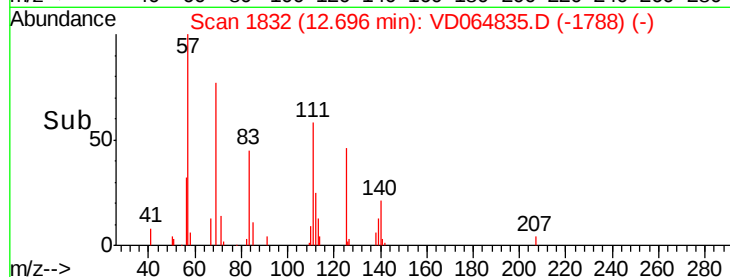
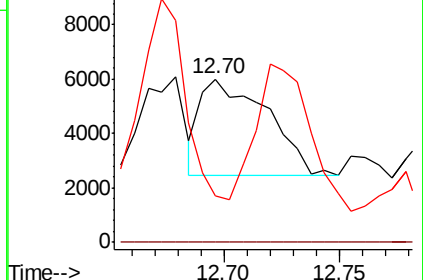
85 0.0 32.3 96.9#



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: 79.797 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064835.D

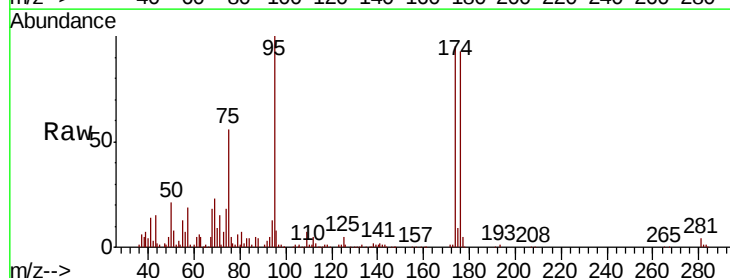
Acq: 10 Jan 2020 16:08

Tgt Ion: 75 Resp: 91710

Ion Ratio Lower Upper

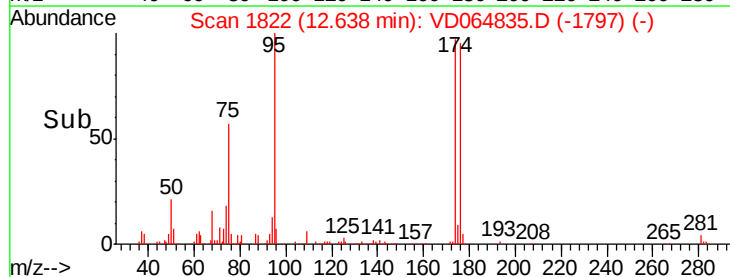
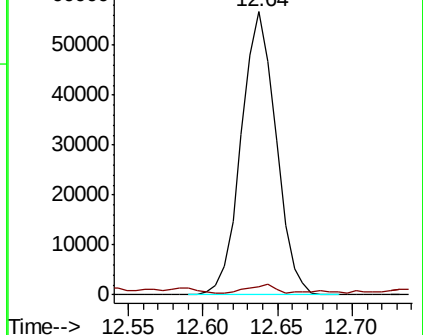
75 100

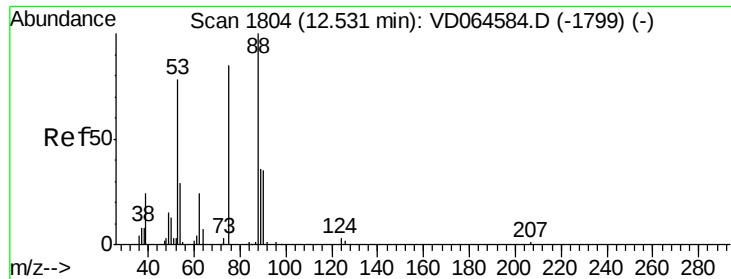
77 2.3 0.0 0.0#



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: 166.893 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064835.D

Acq: 10 Jan 2020 16:08

Instrument :

MSVOA_D

ClientSampleId :

WP022SB452_200108_FD_30-32

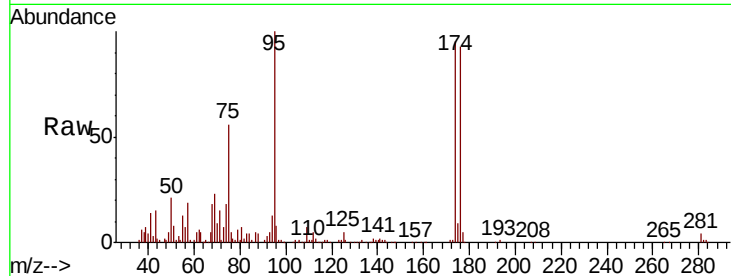
Tot Ion: 75 Resp: 91710

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

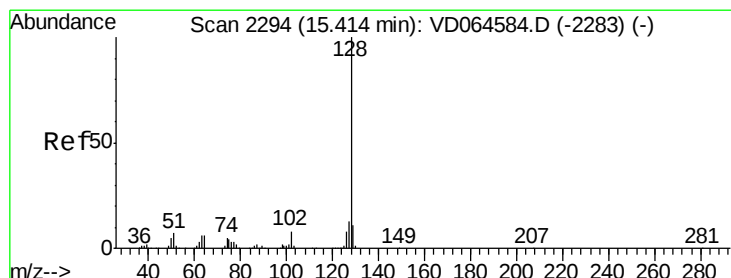
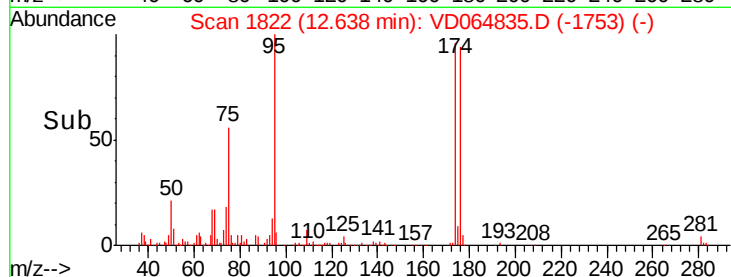
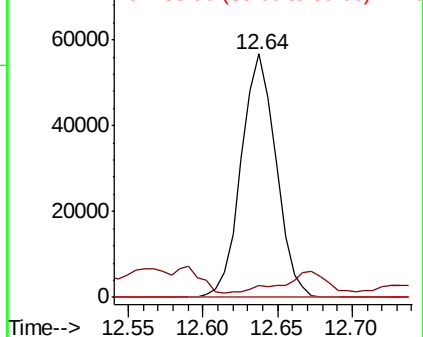
89 0.2 38.3 57.5#



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



#95

Naphthalene

Concen: 1.173 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD064835.D

Acq: 10 Jan 2020 16:08

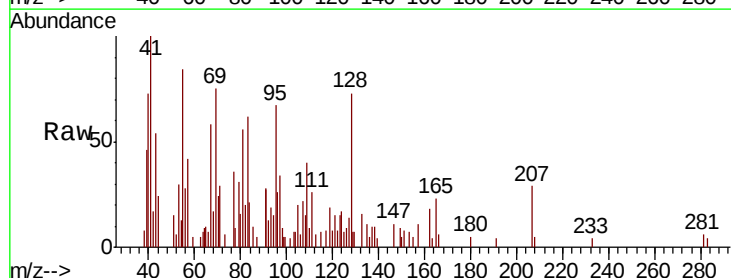
Tgt Ion: 128 Resp: 5678

Ion Ratio Lower Upper

128 100

127 24.2 10.3 15.5#

129 18.3 8.5 12.7#



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

