

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012020\
 Data File : VY001312.D
 Acq On : 20 Jan 2020 21:27
 Operator : SY/MD
 Sample : L1205-06
 Misc : 8.89G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 21 07:05:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 21 06:54:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	43716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	76849	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	66691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	31133	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	24177	52.36	ug/l	0.00
Spiked Amount						
				Recovery	=	104.72%
35) Dibromofluoromethane	7.75	113	21472	47.72	ug/l	0.00
Spiked Amount						
				Recovery	=	95.44%
50) Toluene-d8	10.19	98	89955	51.89	ug/l	0.00
Spiked Amount						
				Recovery	=	103.78%
62) 4-Bromofluorobenzene	12.49	95	32417	45.74	ug/l	0.00
Spiked Amount						
				Recovery	=	91.48%

Target Compounds

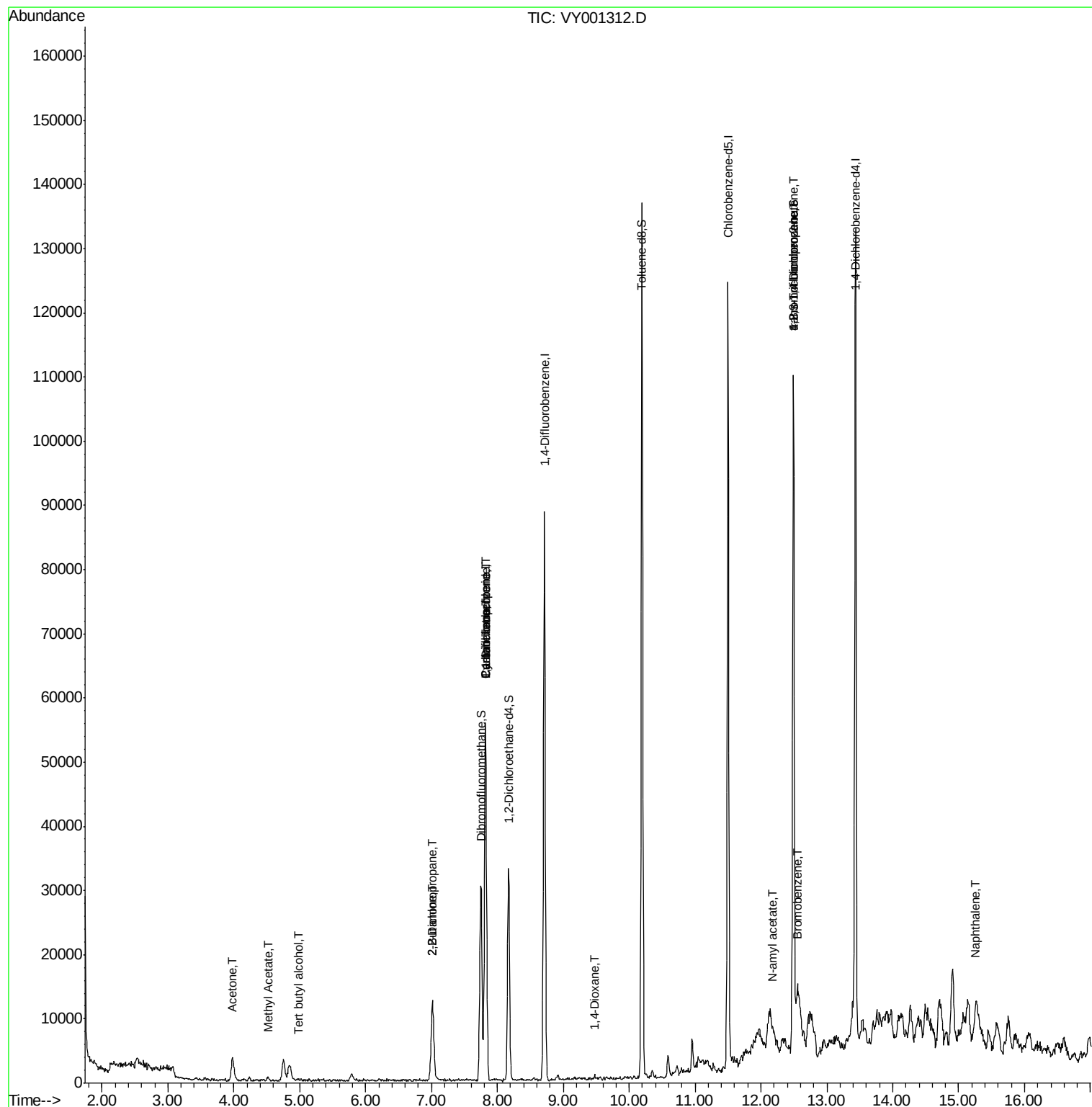
						Qvalue
11) Tert butyl alcohol	4.98	59	157	3.380	ug/l #	73
16) Acetone	3.98	43	6695	62.436	ug/l	97
18) Methyl Acetate	4.52	43	795	2.242	ug/l #	56
20) Methylene Chloride	4.75	84	2409	Below Cal	#	86
25) 2-Butanone	7.02	43	983	5.890	ug/l #	81
26) 2,2-Dichloropropane	7.02	77	846	1.091	ug/l #	52
31) Cyclohexane	7.83	56	1103	1.235	ug/l #	27
36) 1,1-Dichloropropene	7.82	75	3617	5.164	ug/l #	47
38) Carbon Tetrachloride	7.82	117	4478	6.976	ug/l #	14
49) 1,4-Dioxane	9.47	88	37	11.016	ug/l #	1
74) N-amyl acetate	12.17	43	866	1.186	ug/l #	47
76) 1,2,3-Trichloropropane	12.49	75	15656	46.975	ug/l #	100
77) Bromobenzene	12.55	156	4977	9.624	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.49	75	15656	79.660	ug/l #	6
95) Naphthalene	15.25	128	1575	1.130	ug/l #	73

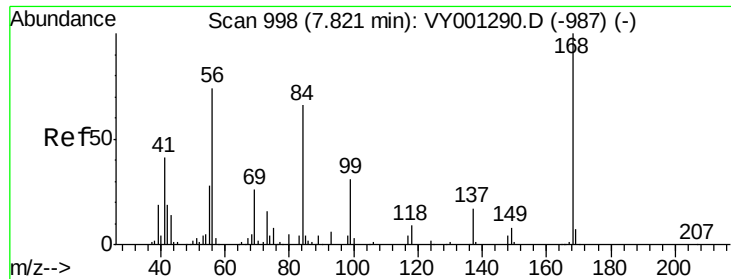
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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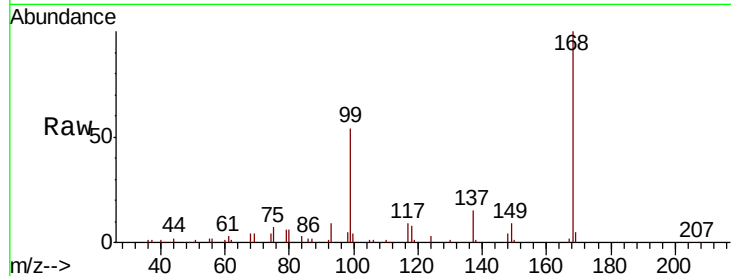




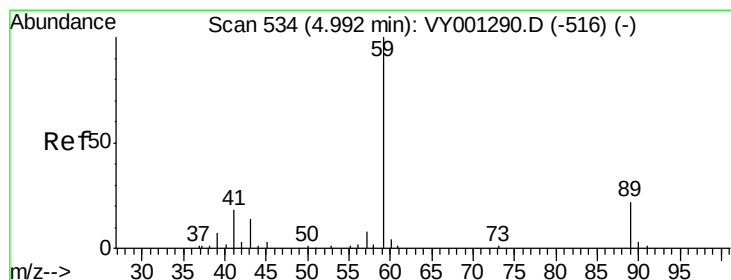
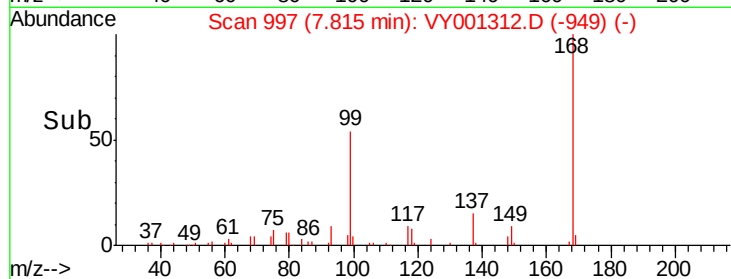
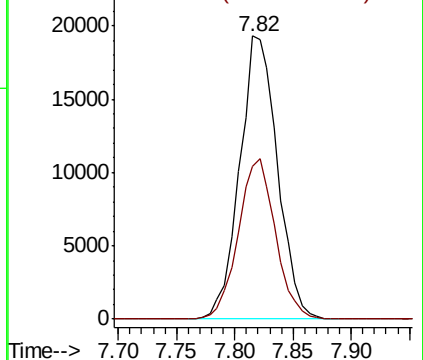
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.01 min
Lab File: VY001312.D
Acq: 20 Jan 2020 21:27

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 43716
Ion Ratio Lower Upper
168 100
99 54.2 47.9 71.9

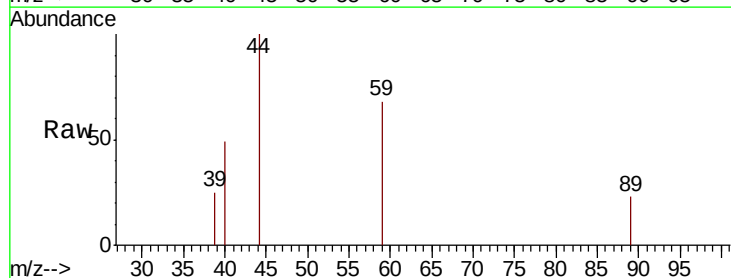


Abundance Ion 167.90 (167.60 to 168.60): VY001290.D (-987) (-)
Ion 98.90 (98.60 to 99.60): VY001290.D (-987) (-)

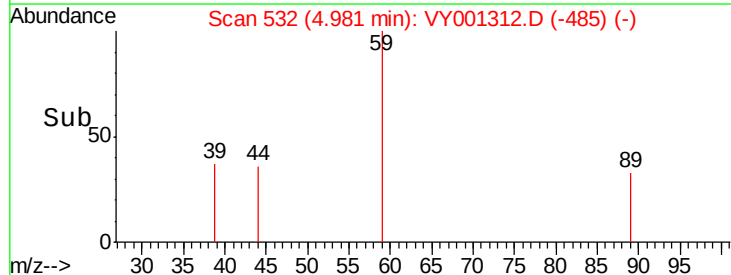
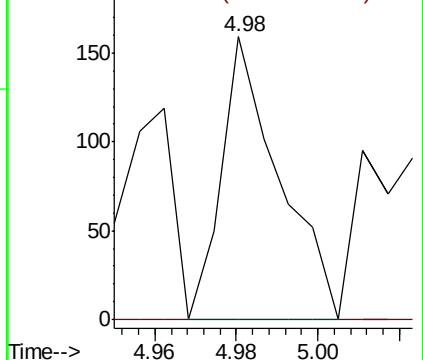


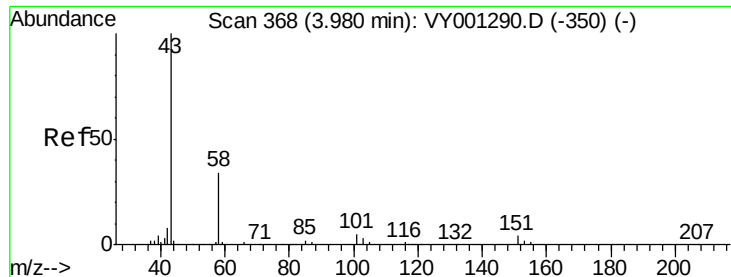
#11
Tert butyl alcohol
Concen: 3.380 ug/l
RT: 4.98 min Scan# 532
Delta R.T. -0.01 min
Lab File: VY001312.D
Acq: 20 Jan 2020 21:27

Tgt Ion: 59 Resp: 157
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VY001290.D (-516) (-)
Ion 57.00 (56.70 to 57.70): VY001290.D (-516) (-)

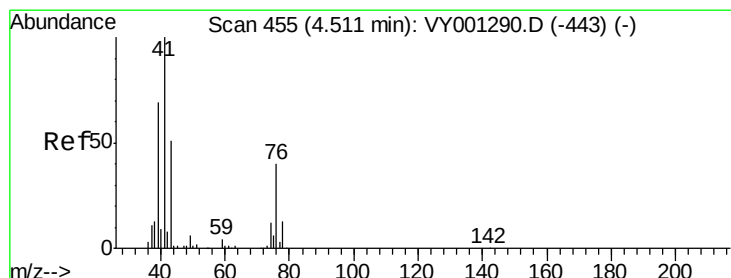
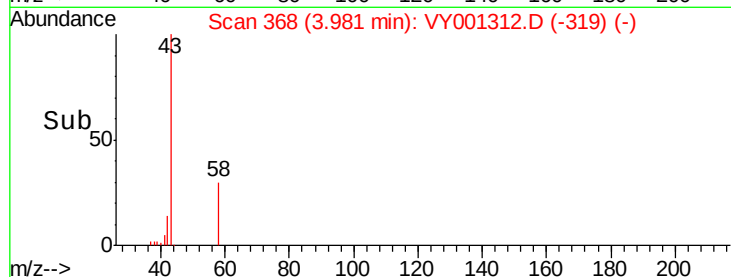
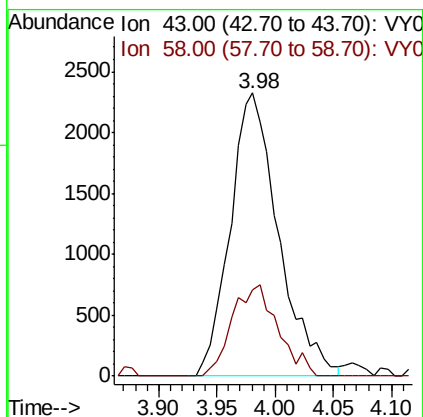
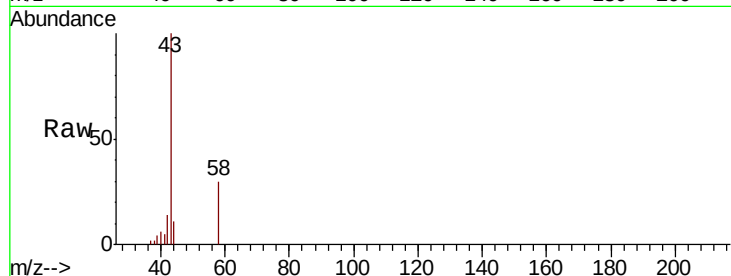




#16
Acetone
Concen: 62.436 ug/l
RT: 3.98 min Scan# 368
Delta R.T. 0.00 min
Lab File: VY001312.D
Acq: 20 Jan 2020 21:27

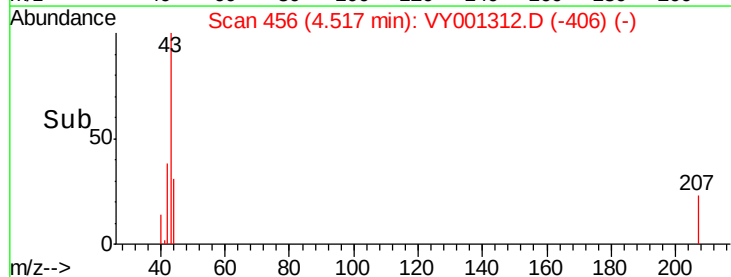
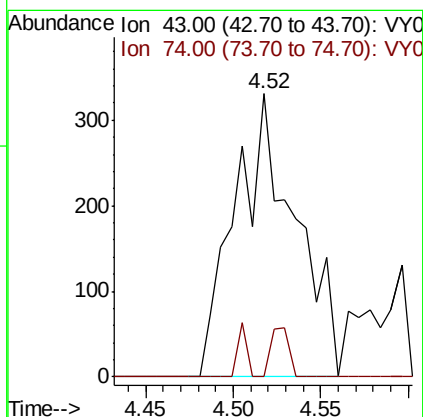
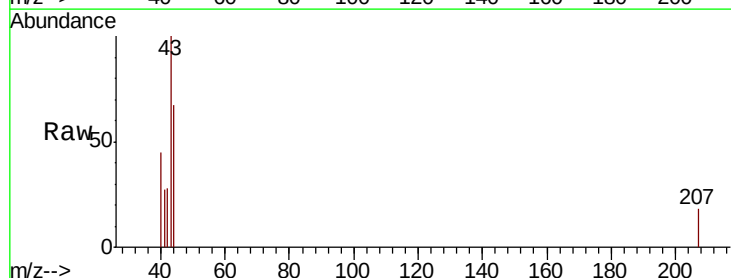
Instrument :
MSVOA_Y
ClientSampled :

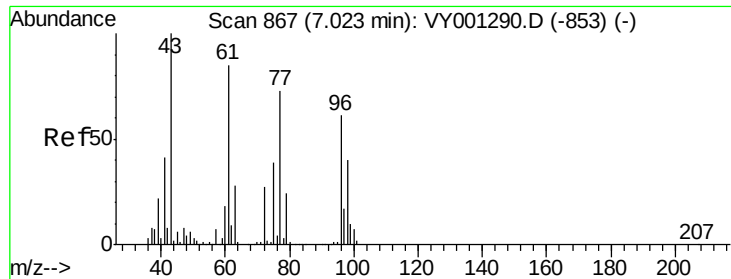
Tot Ion: 43 Resp: 6695
Ion Ratio Lower Upper
43 100
58 30.4 25.8 38.6



#18
Methyl Acetate
Concen: 2.242 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.01 min
Lab File: VY001312.D
Acq: 20 Jan 2020 21:27

Tgt Ion: 43 Resp: 795
Ion Ratio Lower Upper
43 100
74 2.9 20.2 30.2#





#25

2-Butanone

Concen: 5.890 ug/l

RT: 7.02 min Scan# 866

Delta R.T. -0.01 min

Lab File: VY001312.D

Acq: 20 Jan 2020 21:27

Instrument :

MSVOA_Y

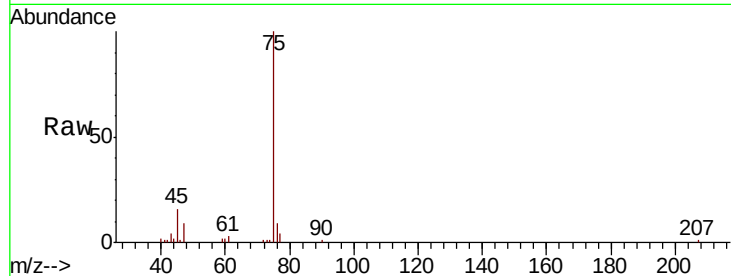
ClientSampleId :

Tot Ion: 43 Resp: 983

Ion Ratio Lower Upper

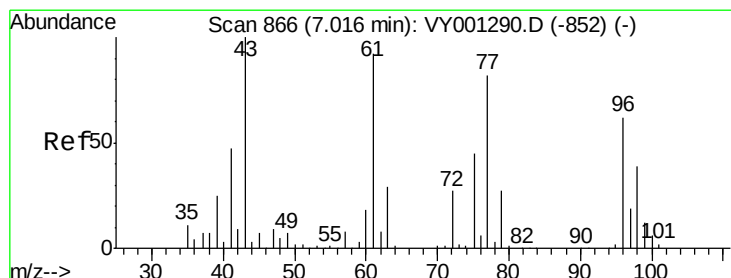
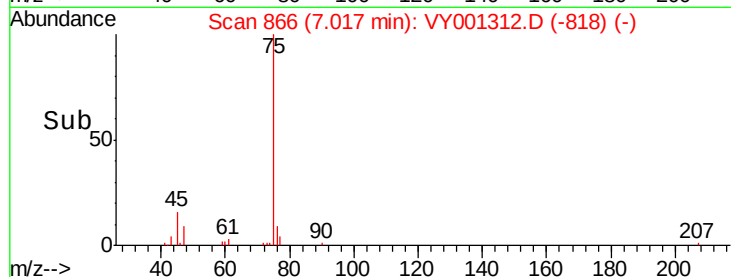
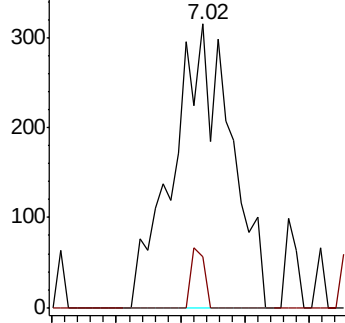
43 100

72 17.8 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 1.091 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001312.D

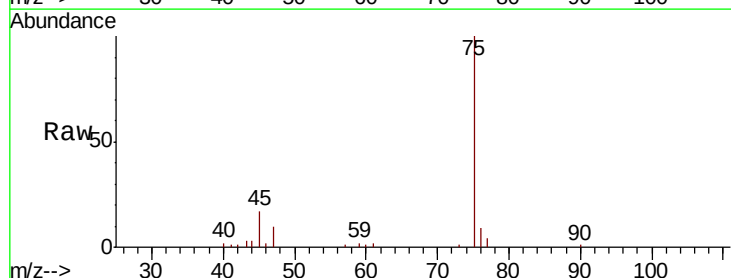
Acq: 20 Jan 2020 21:27

Tgt Ion: 77 Resp: 846

Ion Ratio Lower Upper

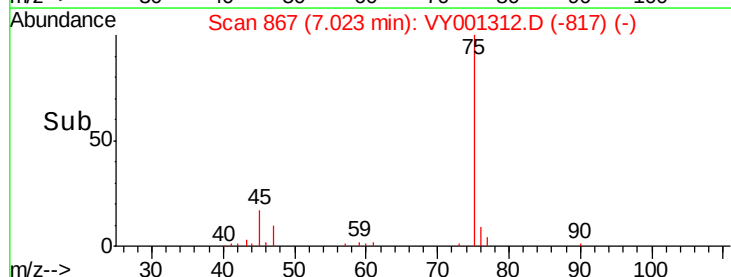
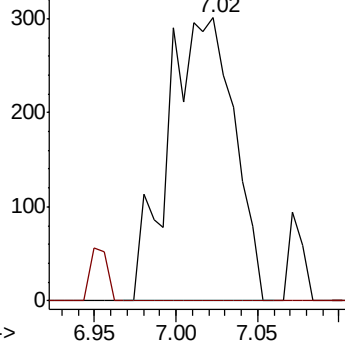
77 100

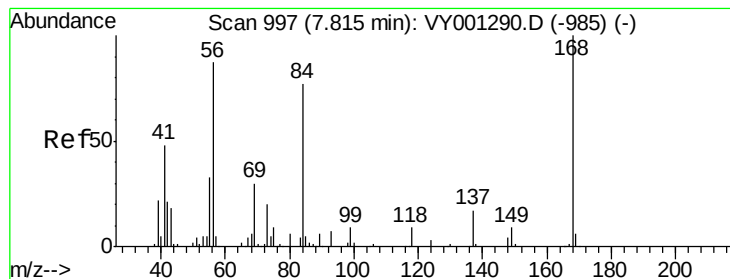
97 0.0 11.9 35.7#



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#31

Cyclohexane

Concen: 1.235 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.01 min

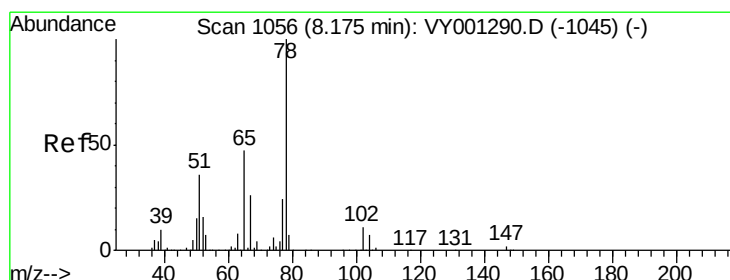
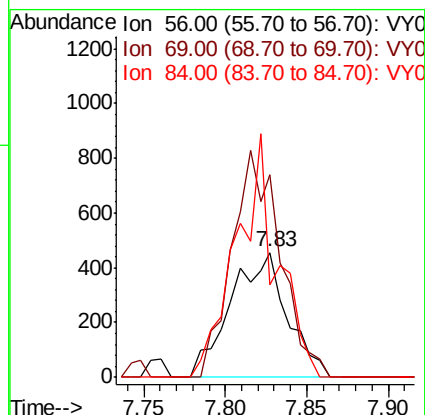
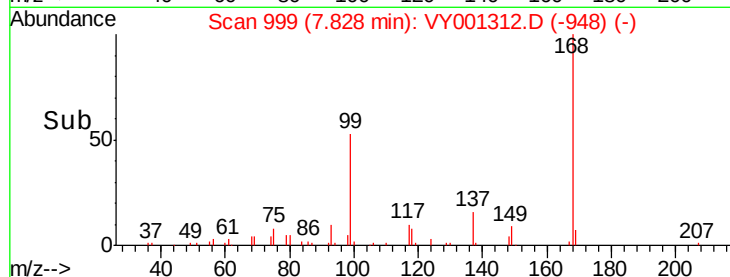
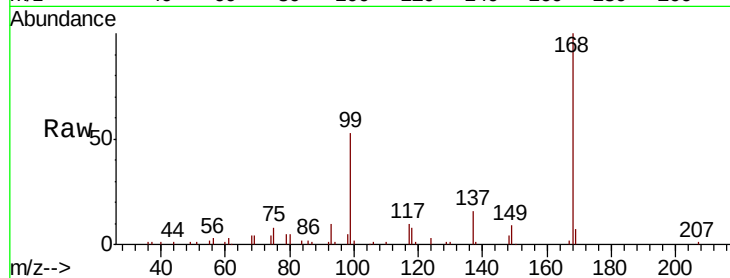
Lab File: VY001312.D

Acq: 20 Jan 2020 21:27

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 1103

Ion	Ratio	Lower	Upper
56	100		
69	162.4	27.8	41.8#
84	74.1	68.9	103.3



#33

1,2-Dichloroethane-d4

Concen: 52.363 ug/l

RT: 8.17 min Scan# 1055

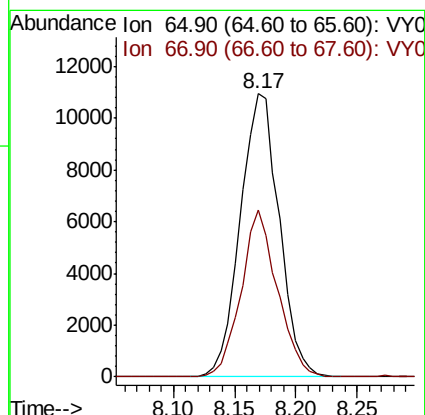
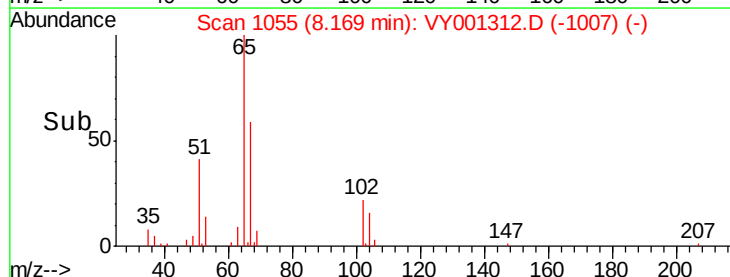
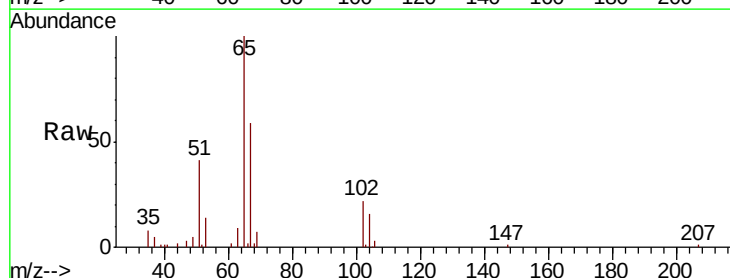
Delta R.T. -0.01 min

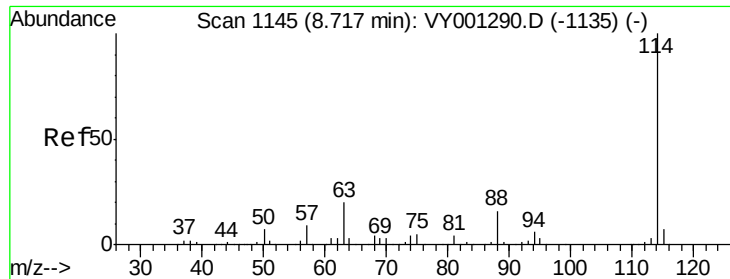
Lab File: VY001312.D

Acq: 20 Jan 2020 21:27

Tgt Ion: 65 Resp: 24177

Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VY001312.D

Acq: 20 Jan 2020 21:27

Instrument :

MSVOA_Y

ClientSampleId :

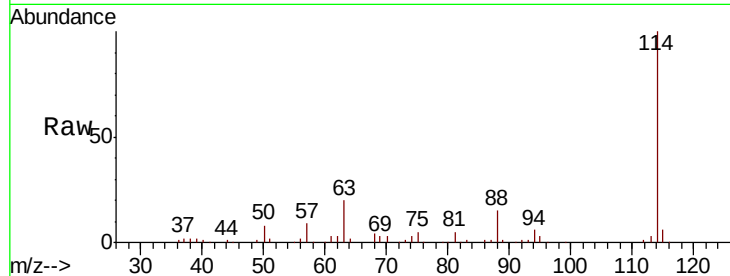
Tot Ion:114 Resp: 76849

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

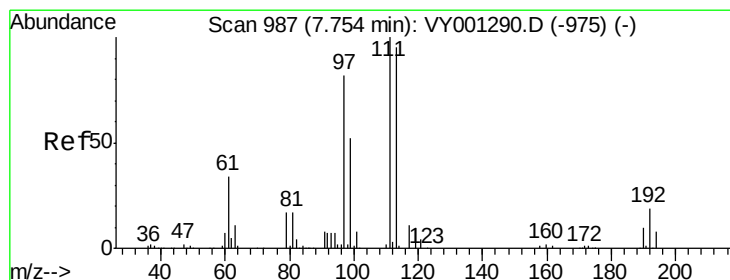
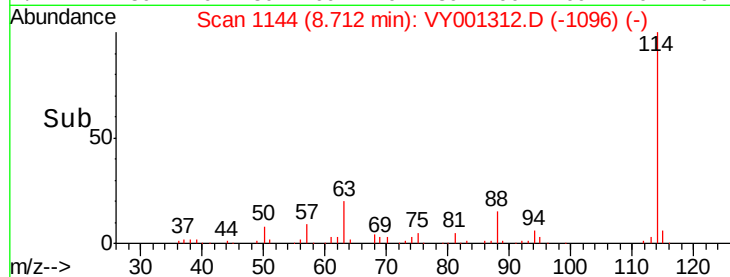
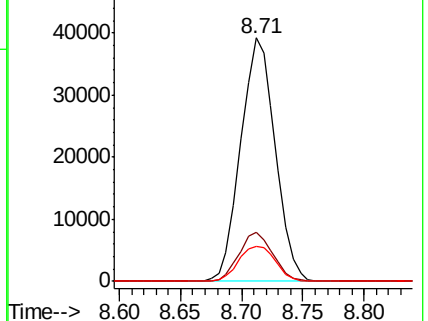
88 14.6 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 47.721 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.00 min

Lab File: VY001312.D

Acq: 20 Jan 2020 21:27

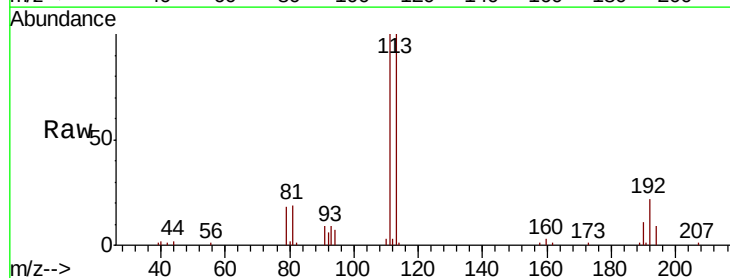
Tgt Ion:113 Resp: 21472

Ion Ratio Lower Upper

113 100

111 107.2 82.9 124.3

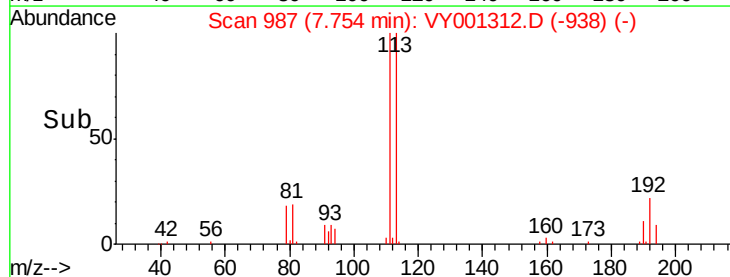
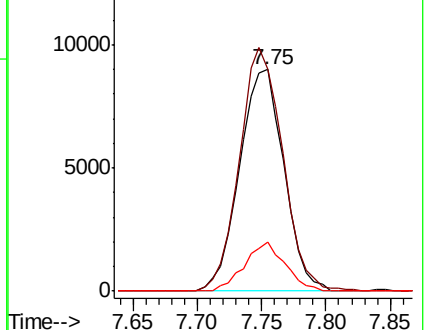
192 20.1 15.4 23.2

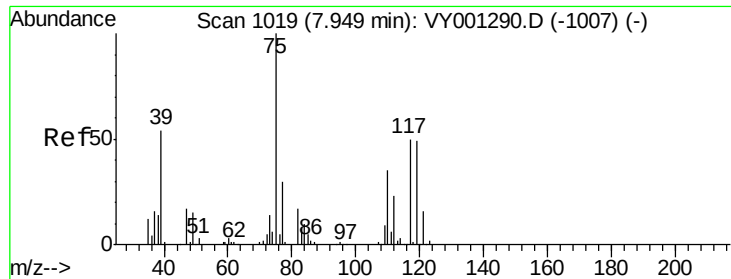


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

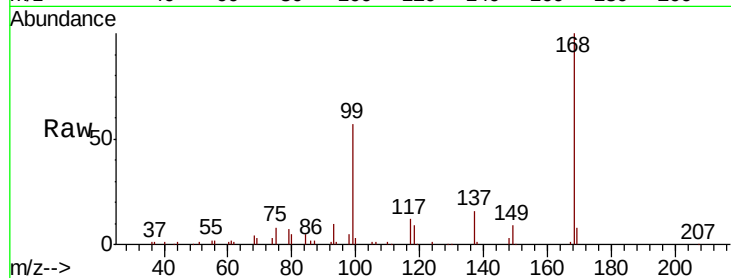




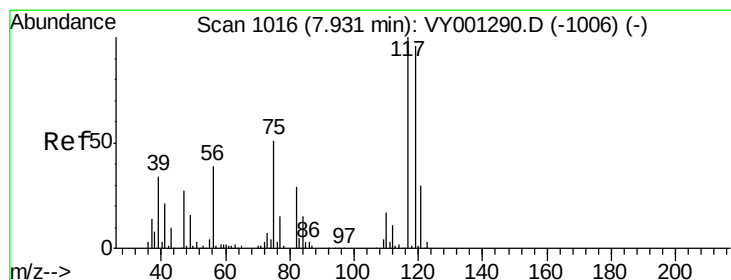
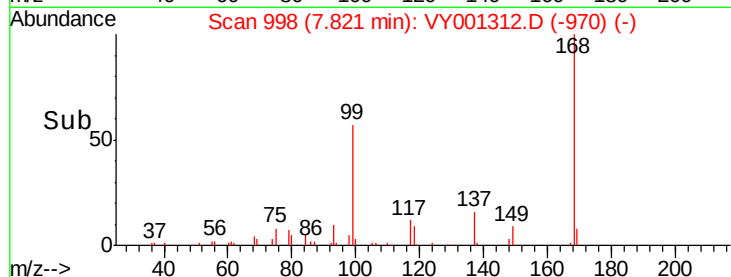
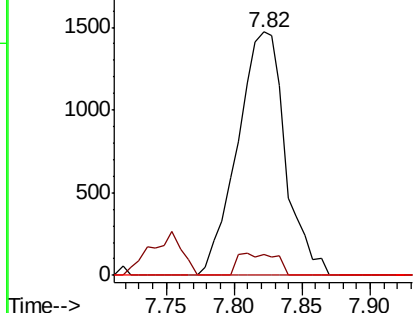
#36
 1,1-Dichloropropene
 Concen: 5.164 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.13 min
 Lab File: VY001312.D
 Acq: 20 Jan 2020 21:27

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.3	18.3	54.8#
77	0.0	25.1	37.7#

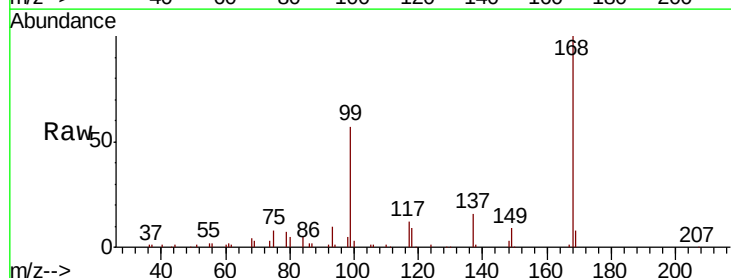


Abundance Ion 74.90 (74.60 to 75.60): VY001312.D (-970) (-)
 Ion 109.90 (109.60 to 110.60): VY001312.D (-970) (-)
 Ion 76.90 (76.60 to 77.60): VY001312.D (-970) (-)

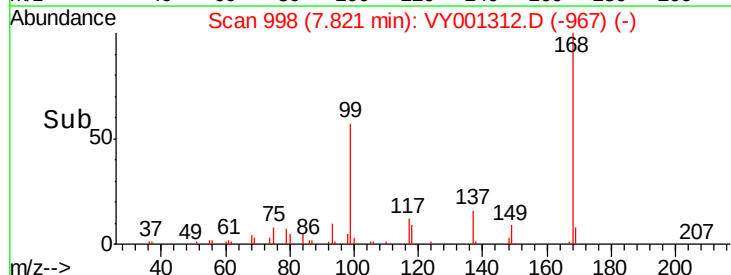
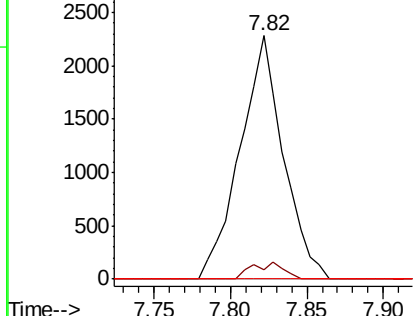


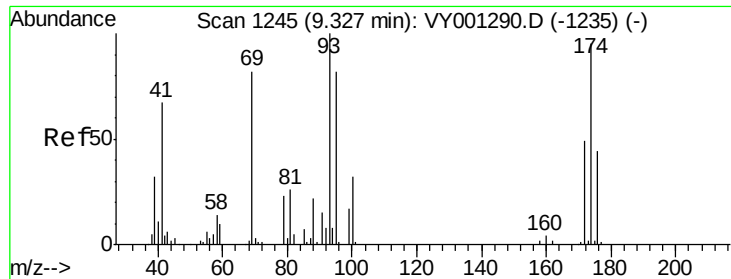
#38
 Carbon Tetrachloride
 Concen: 6.976 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.11 min
 Lab File: VY001312.D
 Acq: 20 Jan 2020 21:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	78.3	117.5#
121	0.0	23.5	35.3#



Abundance Ion 116.80 (116.50 to 117.50): VY001312.D (-967) (-)
 Ion 118.80 (118.50 to 119.50): VY001312.D (-967) (-)
 Ion 120.80 (120.50 to 121.50): VY001312.D (-967) (-)





#49

1,4-Dioxane

Concen: 11.016 ug/l

RT: 9.47 min Scan# 1269

Delta R.T. 0.15 min

Lab File: VY001312.D

Acq: 20 Jan 2020 21:27

Instrument :
MSVOA_Y
ClientSampleId :

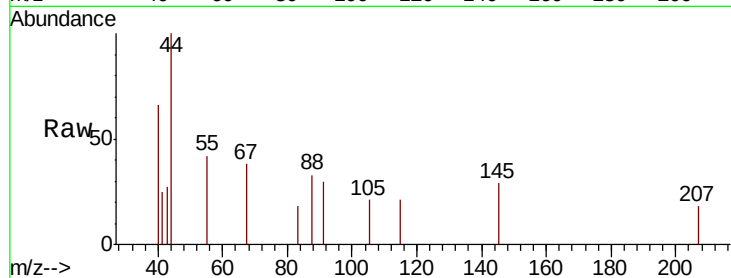
Tot Ion: 88 Resp: 37

Ion Ratio Lower Upper

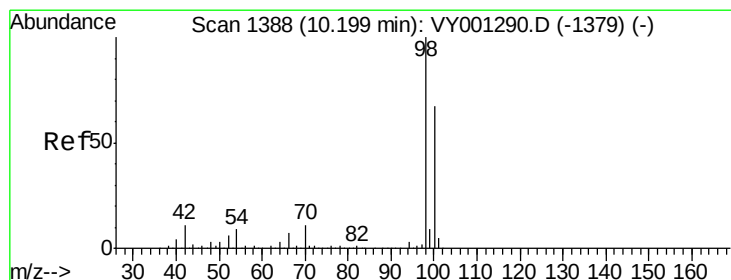
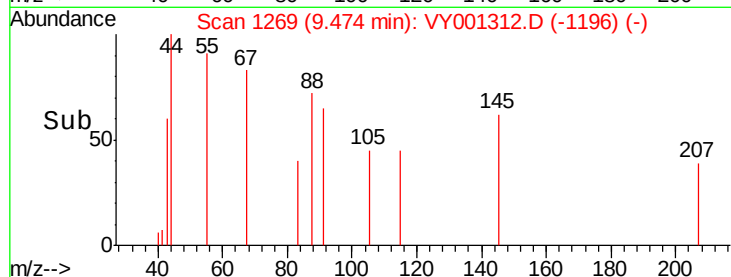
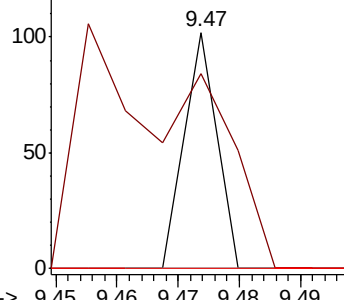
88 100

43 359.5 22.4 33.6#

58 0.0 58.0 87.0#



Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 51.885 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VY001312.D

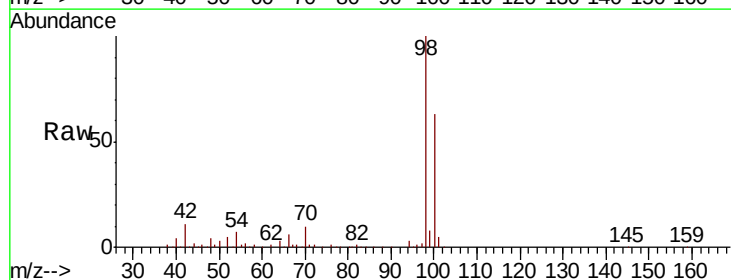
Acq: 20 Jan 2020 21:27

Tgt Ion: 98 Resp: 89955

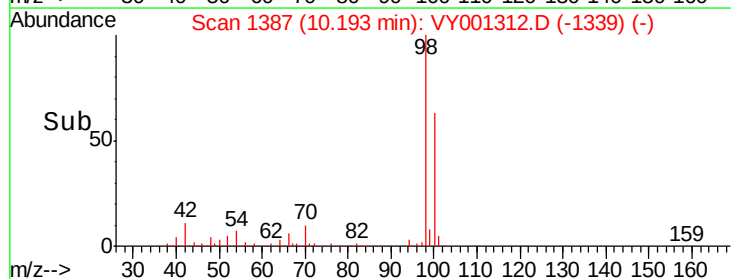
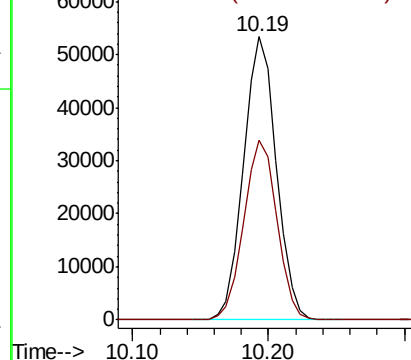
Ion Ratio Lower Upper

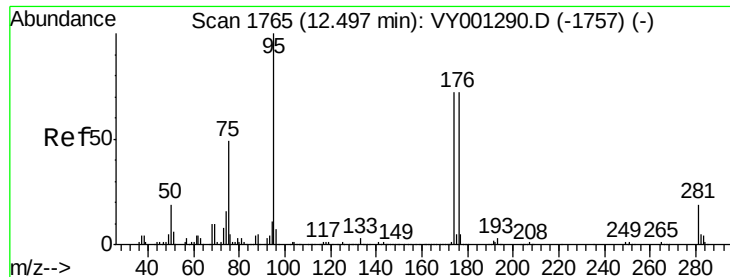
98 100

100 64.4 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

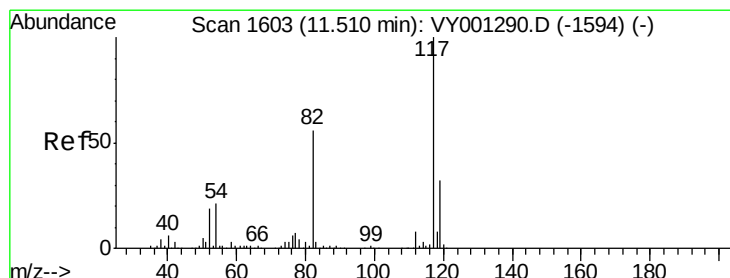
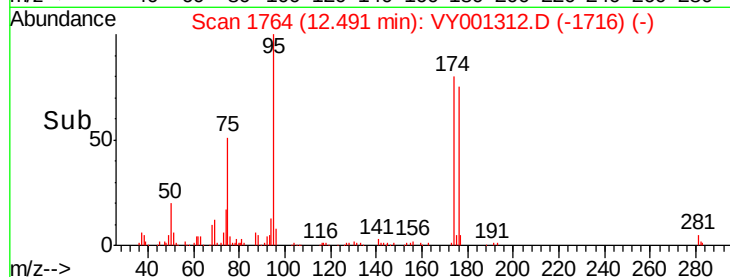
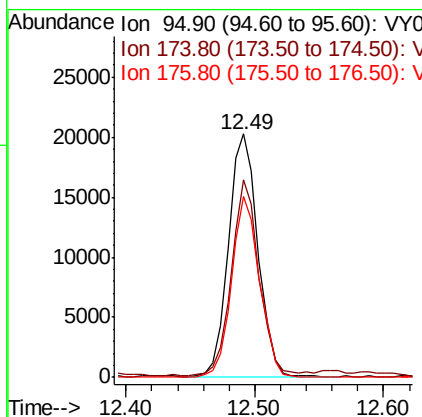
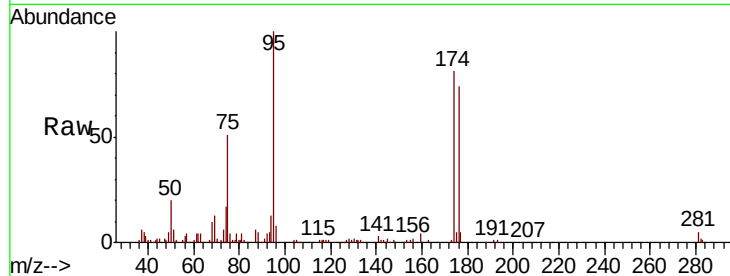




#62
4-Bromofluorobenzene
Concen: 45.735 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.01 min
Lab File: VY001312.D
Acq: 20 Jan 2020 21:27

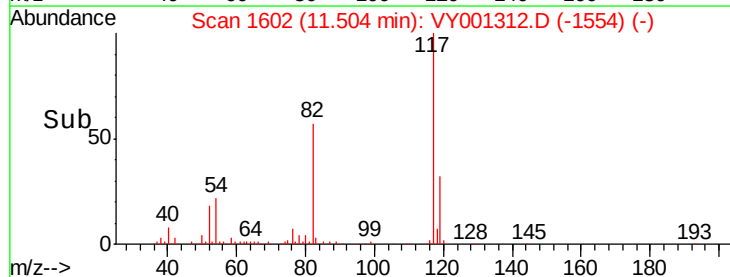
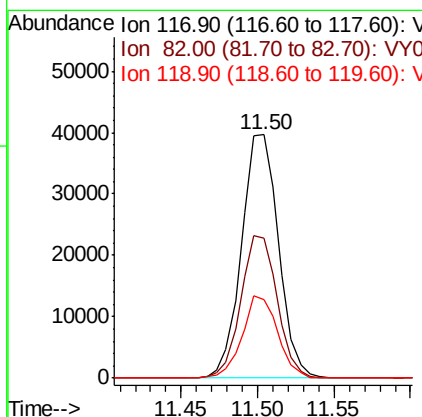
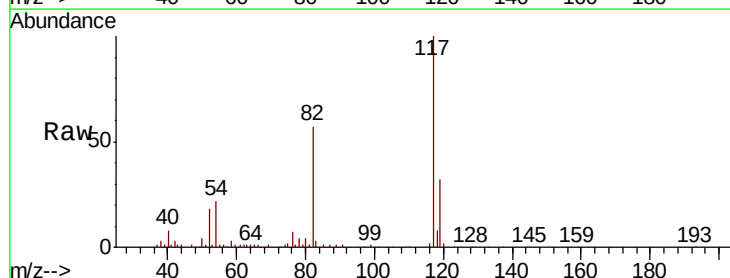
Instrument :
MSVOA_Y
ClientSampled :

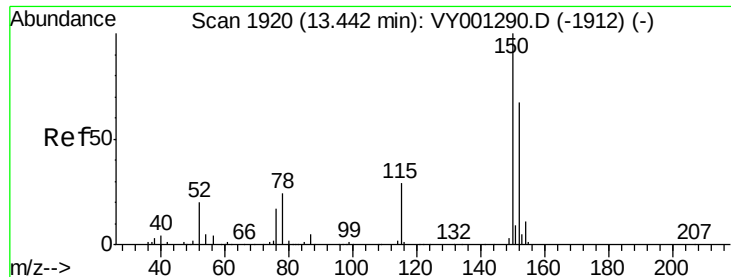
Tot Ion: 95 Resp: 32417
Ion Ratio Lower Upper
95 100
174 74.4 0.0 143.2
176 70.3 0.0 136.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VY001312.D
Acq: 20 Jan 2020 21:27

Tgt Ion: 117 Resp: 66691
Ion Ratio Lower Upper
117 100
82 57.2 44.9 67.3
119 32.3 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.01 min

Lab File: VY001312.D

Acq: 20 Jan 2020 21:27

Instrument :

MSVOA_Y

ClientSampleId :

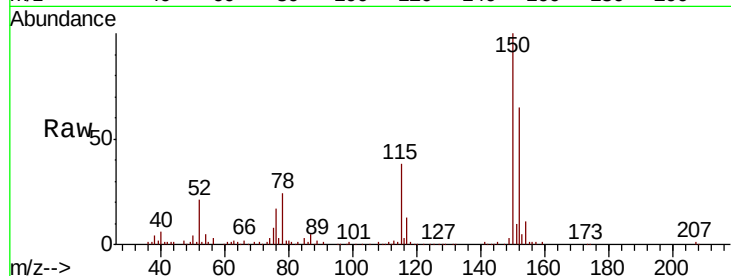
Tot Ion:152 Resp: 31133

Ion Ratio Lower Upper

152 100

115 62.6 30.9 92.5

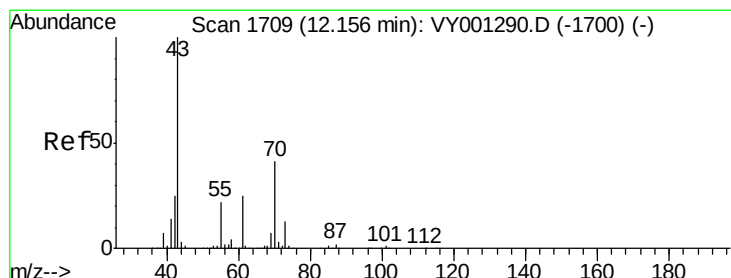
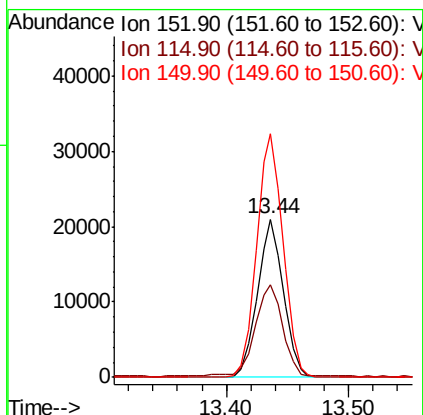
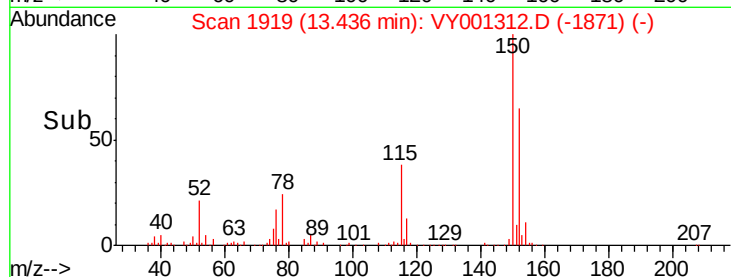
150 155.9 0.0 346.8



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-amil acetate

Concen: 1.186 ug/l

RT: 12.17 min Scan# 1711

Delta R.T. 0.01 min

Lab File: VY001312.D

Acq: 20 Jan 2020 21:27

Tgt Ion: 43 Resp: 866

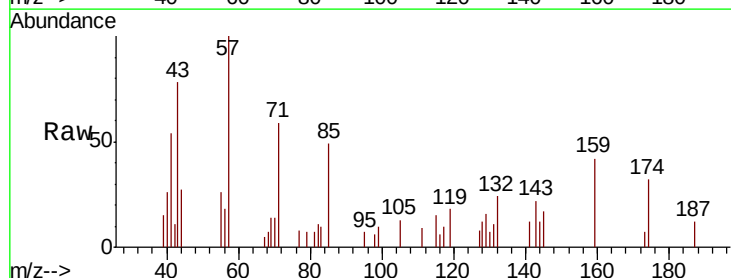
Ion Ratio Lower Upper

43 100

70 6.0 35.0 52.6#

55 0.0 18.4 27.6#

61 0.0 20.1 30.1#

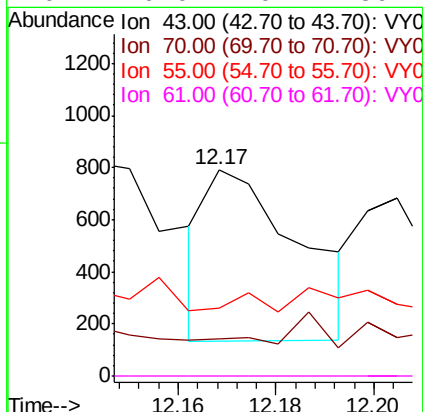
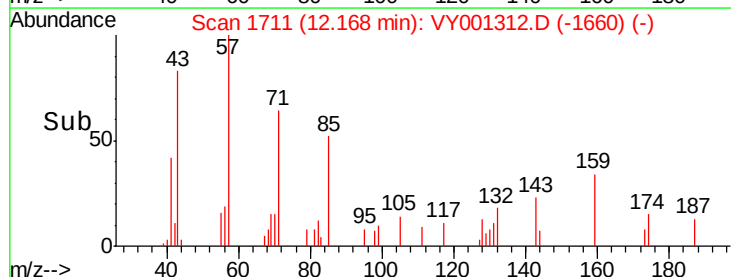


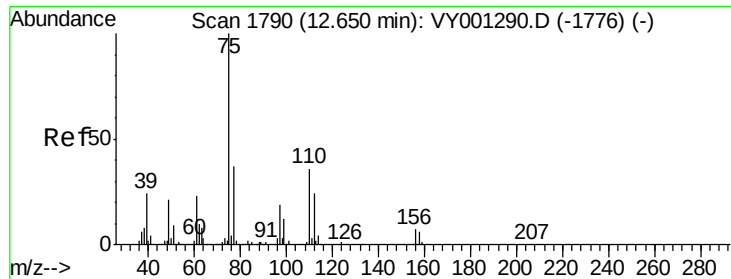
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#76

1,2,3-Trichloropropane

Concen: 46.975 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.16 min

Lab File: VY001312.D

Acq: 20 Jan 2020 21:27

Instrument :

MSVOA_Y

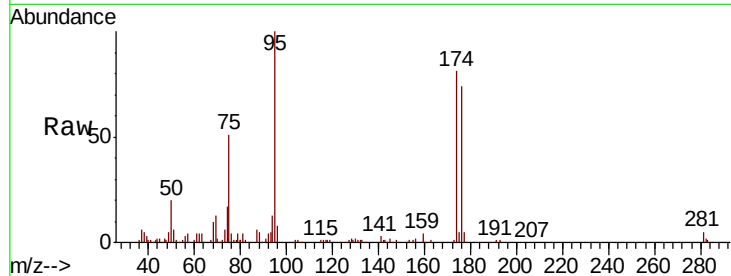
ClientSampleId :

Tot Ion: 75 Resp: 15656

Ion Ratio Lower Upper

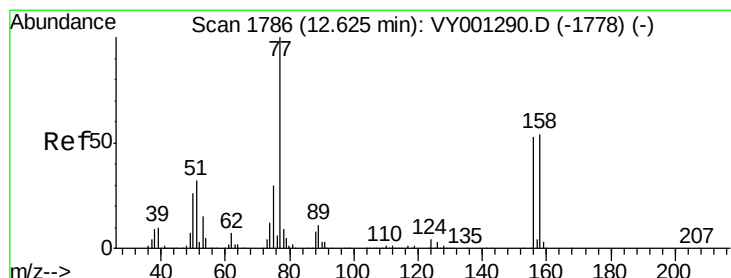
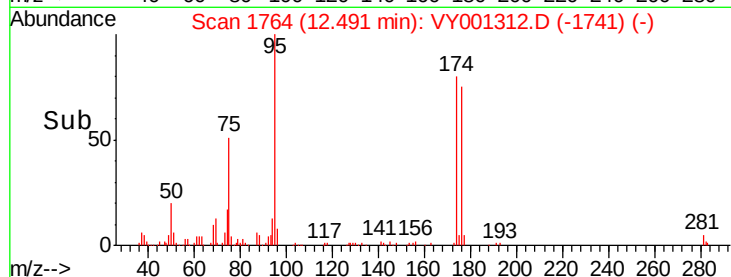
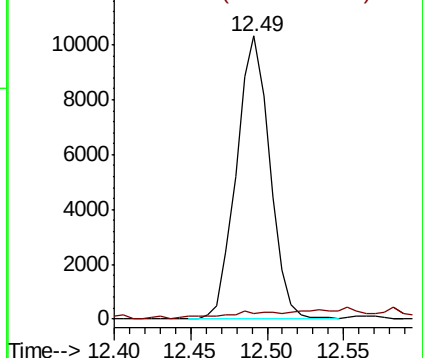
75 100

77 4.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#77

Bromobenzene

Concen: 9.624 ug/l

RT: 12.55 min Scan# 1774

Delta R.T. -0.07 min

Lab File: VY001312.D

Acq: 20 Jan 2020 21:27

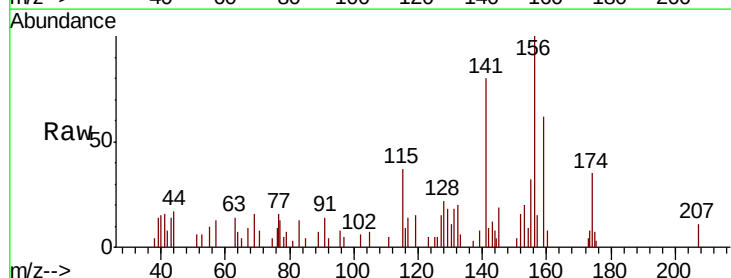
Tgt Ion: 156 Resp: 4977

Ion Ratio Lower Upper

156 100

77 16.7 106.7 320.1#

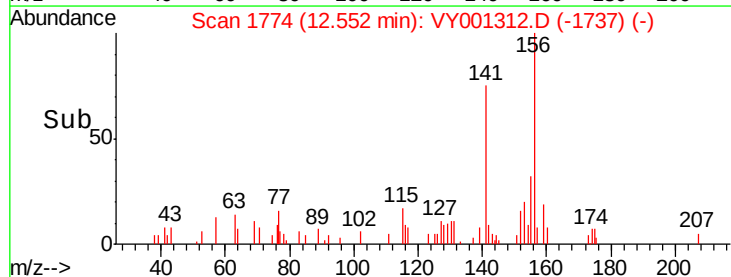
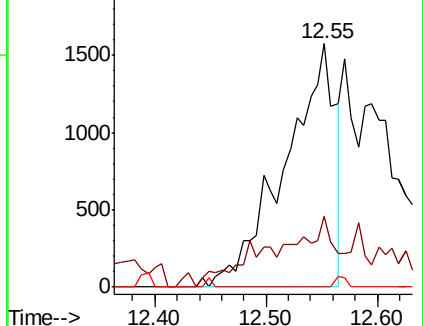
158 1.0 48.3 144.8#

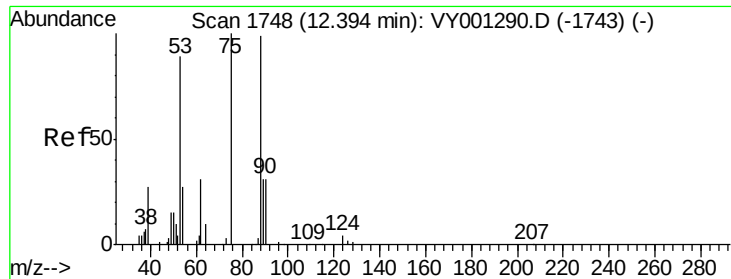


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V





#81

trans-1,4-Dichloro-2-butene

Concen: 79.660 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001312.D

Acq: 20 Jan 2020 21:27

Instrument :

MSVOA_Y

ClientSampleId :

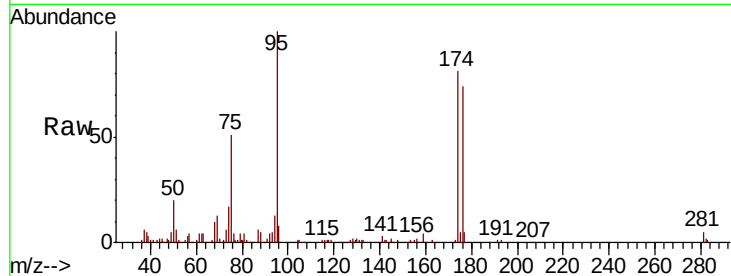
Tot Ion: 75 Resp: 15656

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

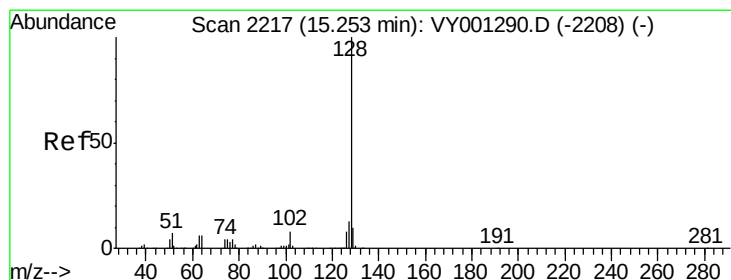
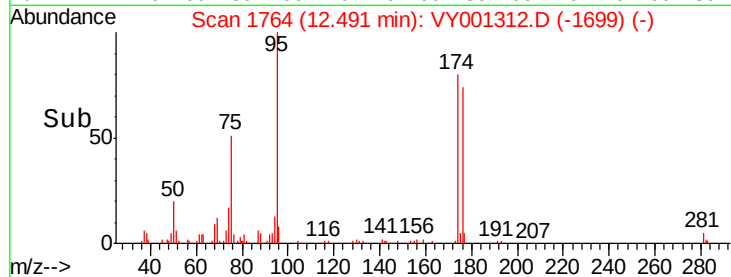
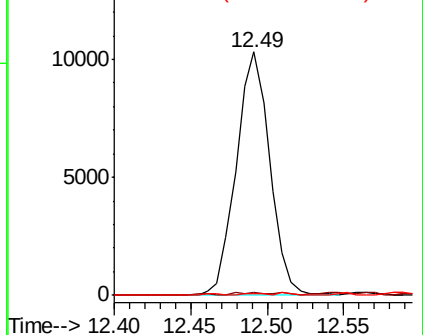
89 0.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY001312.D (-1699) (-)

Ion 53.00 (52.70 to 53.70): VY001312.D (-1699) (-)

Ion 88.90 (88.60 to 89.60): VY001312.D (-1699) (-)



#95

Naphthalene

Concen: 1.130 ug/l

RT: 15.25 min Scan# 2217

Delta R.T. 0.00 min

Lab File: VY001312.D

Acq: 20 Jan 2020 21:27

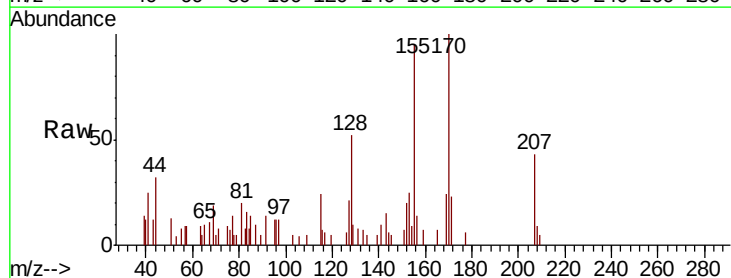
Tgt Ion: 128 Resp: 1575

Ion Ratio Lower Upper

128 100

127 28.4 10.2 15.4#

129 6.2 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): VY001312.D (-2168) (-)

Ion 127.00 (126.70 to 127.70): VY001312.D (-2168) (-)

Ion 129.00 (128.70 to 129.70): VY001312.D (-2168) (-)

