

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012020\
 Data File : VY001302.D
 Acq On : 20 Jan 2020 17:45
 Operator : SY/MD
 Sample : L1164-04
 Misc : 6.56G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 21 07:03:26 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	190031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	344530	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	294598	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	108020	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	107162	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	
35) Dibromofluoromethane	7.75	113	101580	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
50) Toluene-d8	10.19	98	402997	51.85	ug/l	-0.01
Spiked Amount			Recovery	=	103.70%	
62) 4-Bromofluorobenzene	12.49	95	129659	40.80	ug/l	-0.01
Spiked Amount			Recovery	=	81.60%	

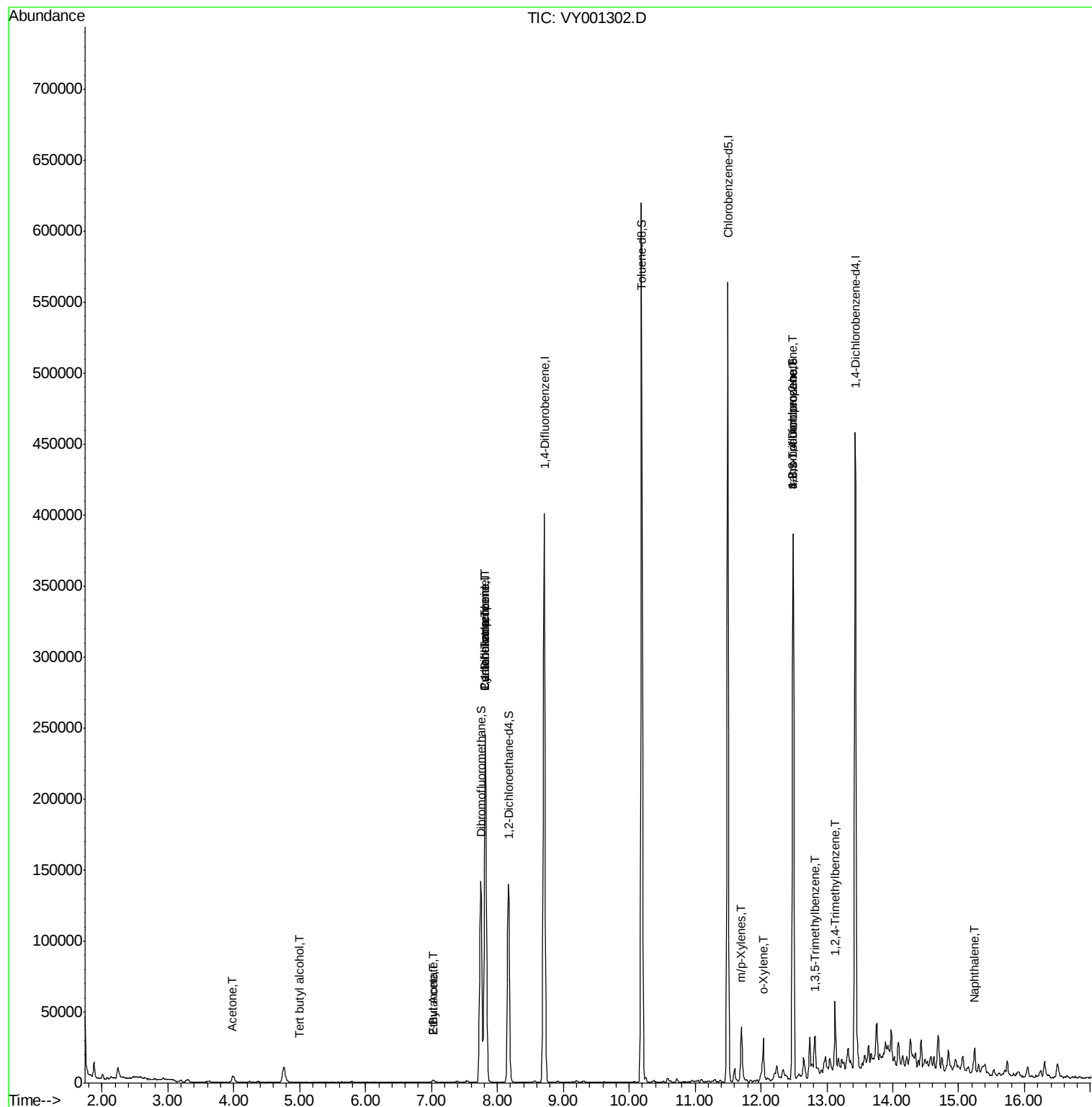
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	420	2.080	ug/l #	73
16) Acetone	3.98	43	8334	17.879	ug/l	95
20) Methylene Chloride	4.77	84	8282	Below Cal	#	94
25) 2-Butanone	7.03	43	2006	2.765	ug/l	96
31) Cyclohexane	7.82	56	4041	1.041	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	14470	4.608	ug/l #	48
37) Ethyl Acetate	7.03	43	2006	1.089	ug/l #	67
38) Carbon Tetrachloride	7.82	117	18890	6.564	ug/l #	16
68) m/p-Xylenes	11.70	106	11616	2.860	ug/l	100
69) o-Xylene	12.03	106	7501	1.926	ug/l	100
76) 1,2,3-Trichloropropane	12.49	75	65034	56.240	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.82	105	7762	1.146	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.49	75	65034	95.371	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.13	105	25314	3.762	ug/l	100
95) Naphthalene	15.25	128	14524	3.002	ug/l	96

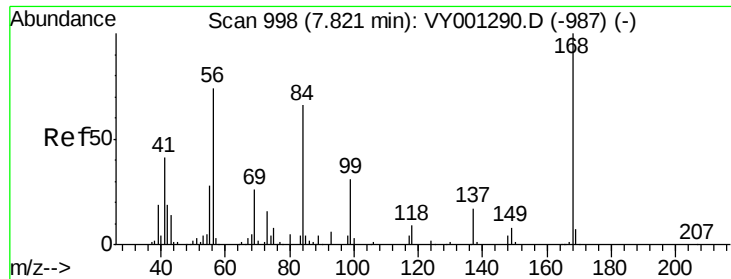
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 21 06:54:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.00 min

Lab File: VY001302.D

Acq: 20 Jan 2020 17:45

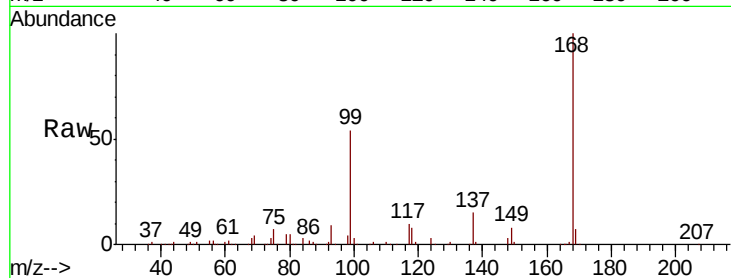
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 190031

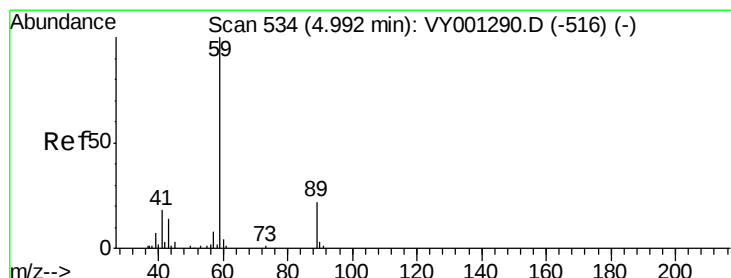
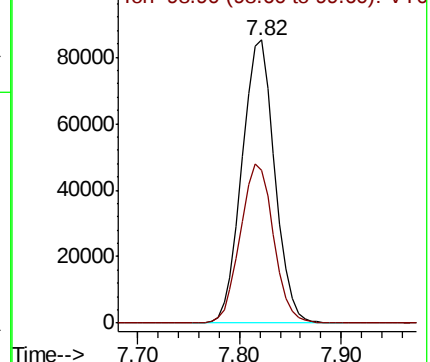
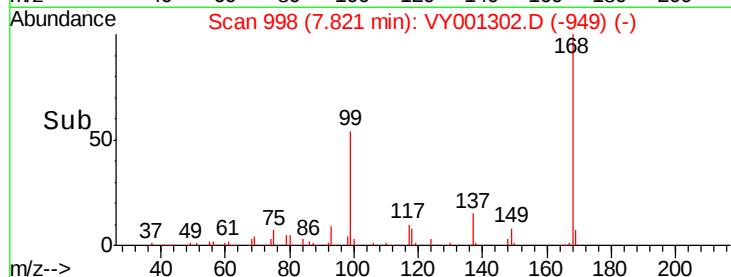
Ion Ratio Lower Upper

168 100

99 53.8 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001302.D (-949) (-)



#11

Tert butyl alcohol

Concen: 2.080 ug/l

RT: 4.99 min Scan# 534

Delta R.T. 0.00 min

Lab File: VY001302.D

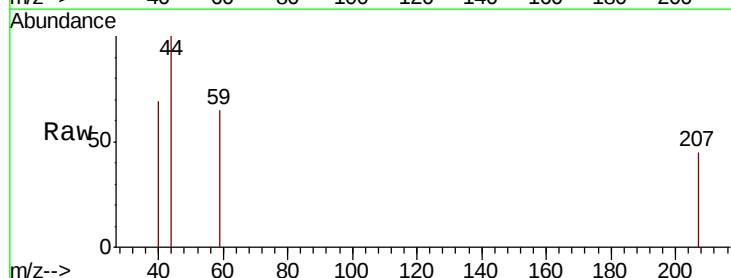
Acq: 20 Jan 2020 17:45

Tgt Ion: 59 Resp: 420

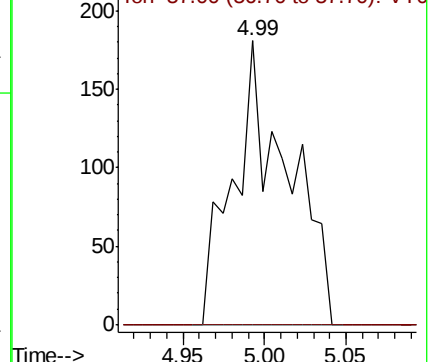
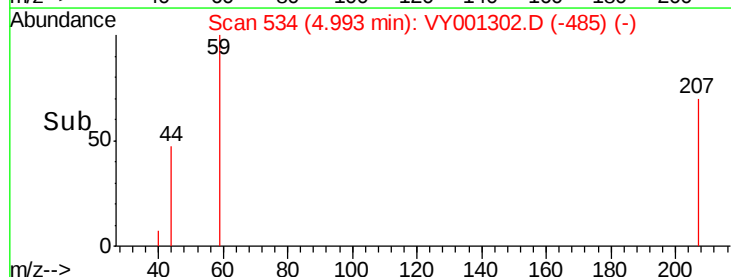
Ion Ratio Lower Upper

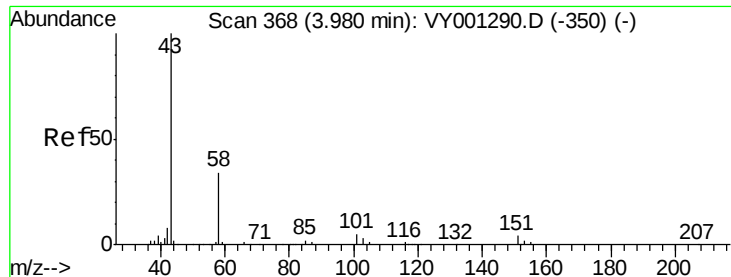
59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VY001302.D (-485) (-)





#16

Acetone

Concen: 17.879 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.00 min

Lab File: VY001302.D

Acq: 20 Jan 2020 17:45

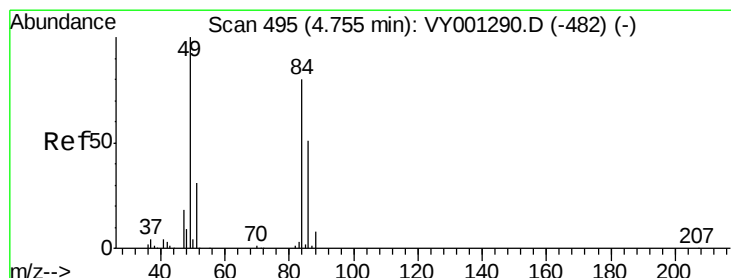
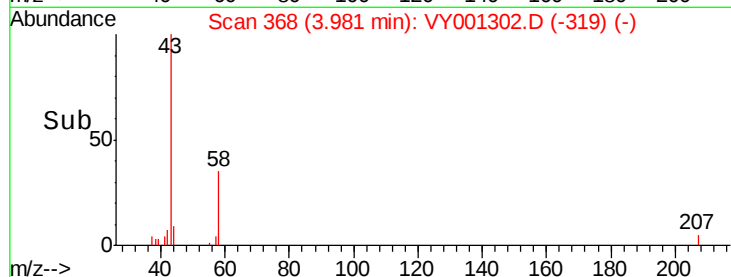
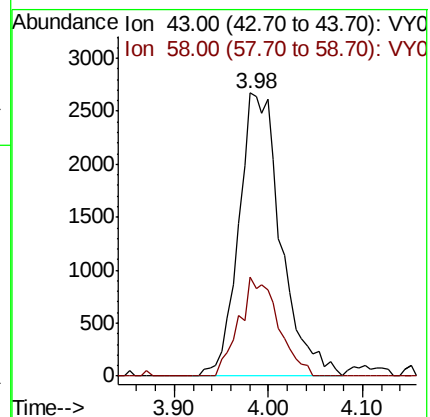
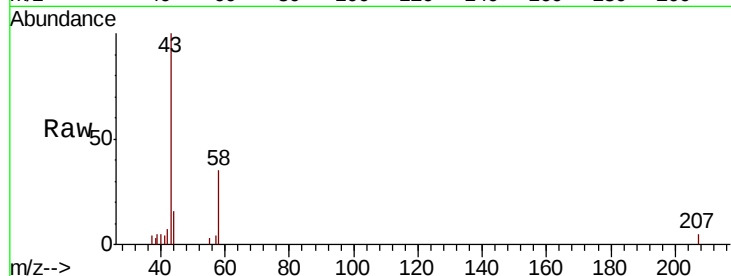
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 8334

Ion Ratio Lower Upper

43 100

58 34.9 25.8 38.6



#20

Methylene Chloride

Concen: Below Cal

RT: 4.77 min Scan# 497

Delta R.T. 0.01 min

Lab File: VY001302.D

Acq: 20 Jan 2020 17:45

Tgt Ion: 84 Resp: 8282

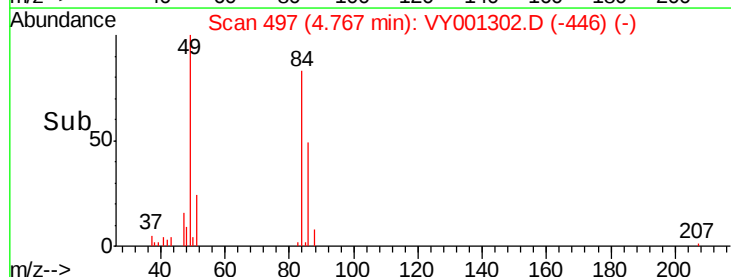
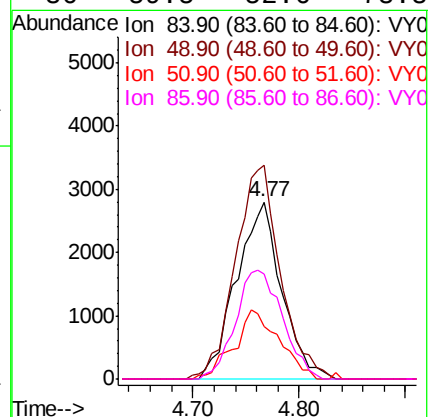
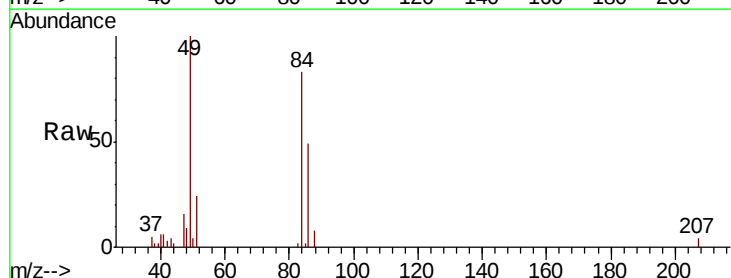
Ion Ratio Lower Upper

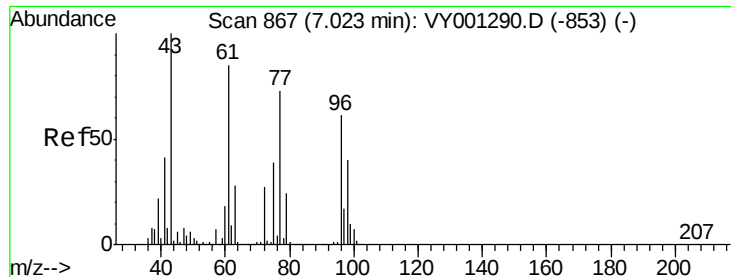
84 100

49 120.9 93.8 140.6

51 29.5 29.9 44.9#

86 59.5 52.6 78.8

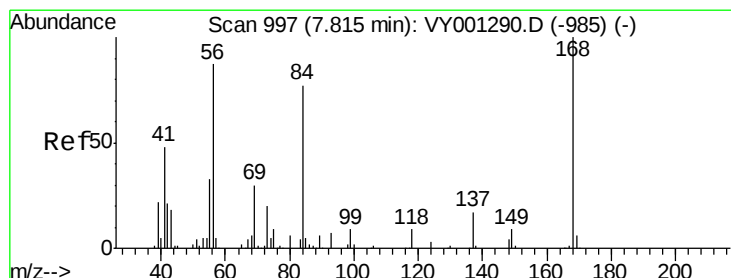
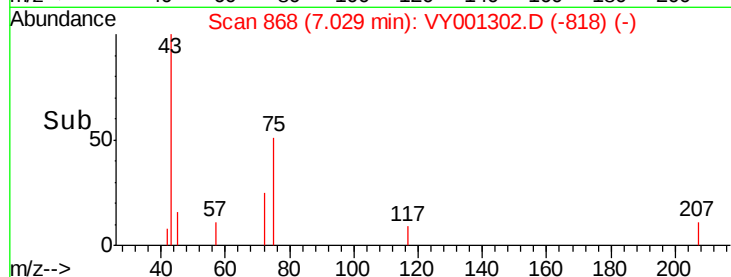
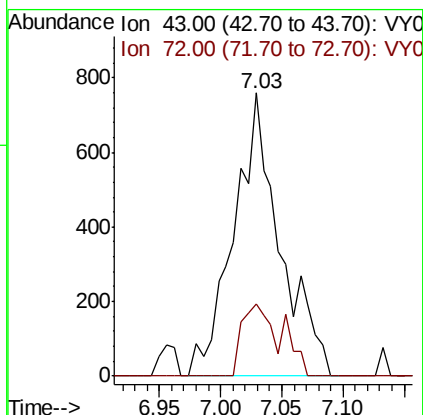
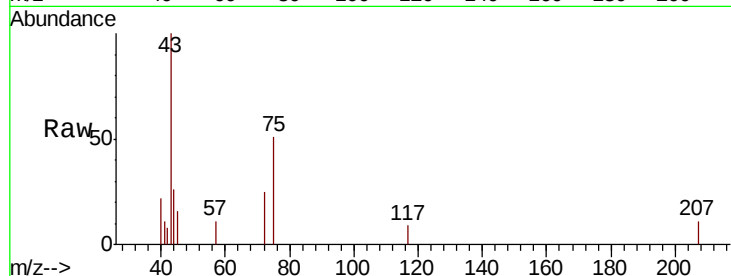




#25
2-Butanone
Concen: 2.765 ug/l
RT: 7.03 min Scan# 868
Delta R.T. 0.01 min
Lab File: VY001302.D
Acq: 20 Jan 2020 17:45

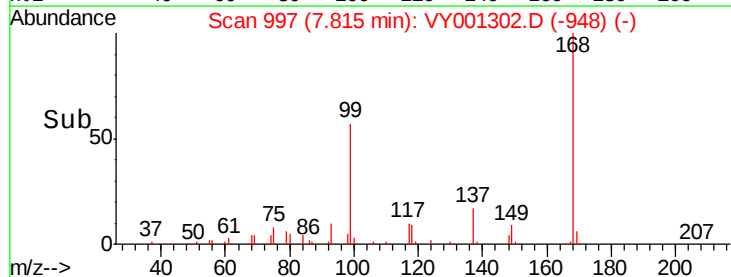
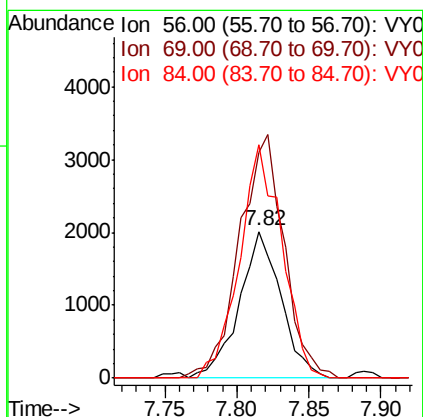
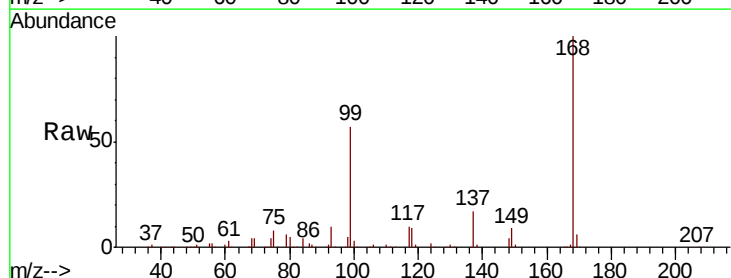
Instrument :
MSVOA_Y
ClientSampled :

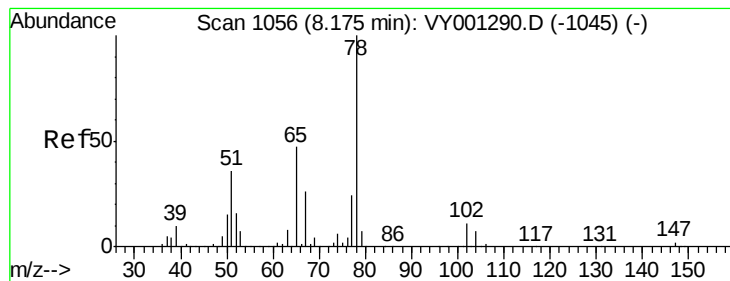
Tot Ion: 43 Resp: 2006
Ion Ratio Lower Upper
43 100
72 25.4 22.2 33.2



#31
Cyclohexane
Concen: 1.041 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.00 min
Lab File: VY001302.D
Acq: 20 Jan 2020 17:45

Tgt Ion: 56 Resp: 4041
Ion Ratio Lower Upper
56 100
69 153.9 27.8 41.8#
84 158.9 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 53.393 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. -0.01 min

Lab File: VY001302.D

Acq: 20 Jan 2020 17:45

Instrument :

MSVOA_Y

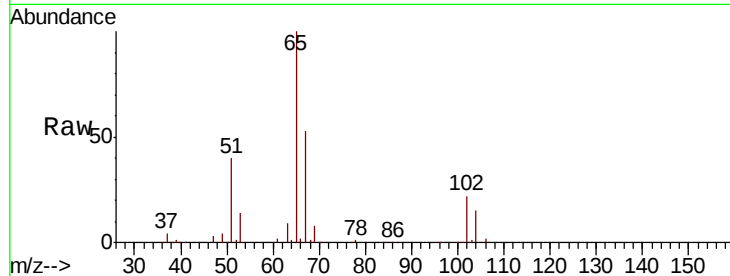
ClientSampled :

Tot Ion: 65 Resp: 107162

Ion Ratio Lower Upper

65 100

67 54.0 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY001290.D (-1045) (-)

Ion 66.90 (66.60 to 67.60): VY001290.D (-1045) (-)

8.17

50000

40000

30000

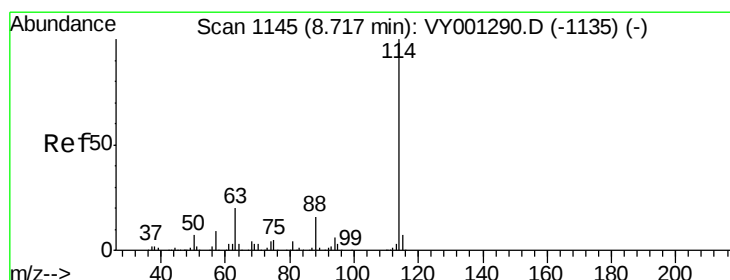
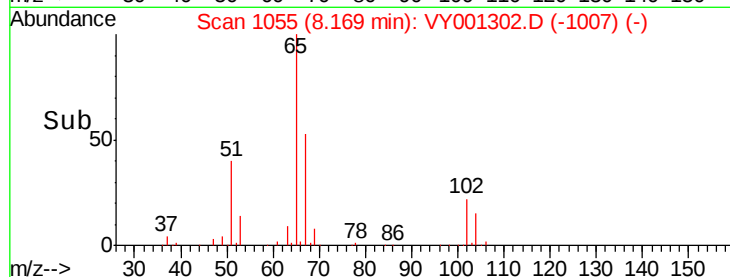
20000

10000

0

8.10 8.20 8.30

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VY001302.D

Acq: 20 Jan 2020 17:45

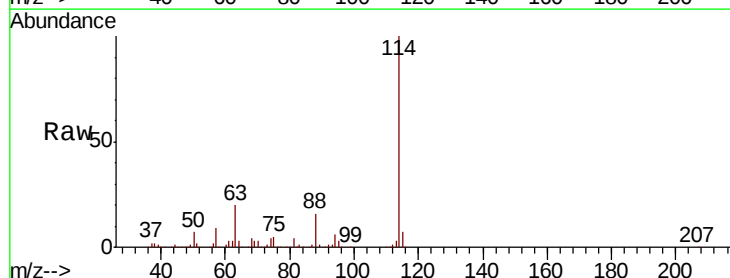
Tgt Ion: 114 Resp: 344530

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 15.8 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): VY001290.D (-1135) (-)

Ion 63.00 (62.70 to 63.70): VY001290.D (-1135) (-)

Ion 87.90 (87.60 to 88.60): VY001290.D (-1135) (-)

8.71

200000

150000

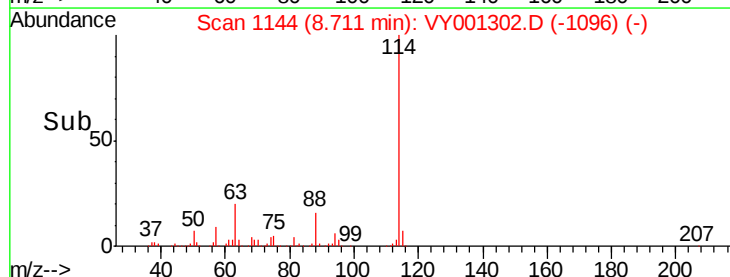
100000

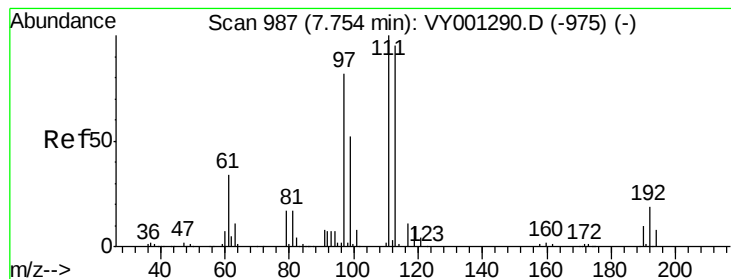
50000

0

8.60 8.70 8.80

Time-->





#35

Dibromofluoromethane

Concen: 50.356 ug/l

RT: 7.75 min Scan# 986

Delta R.T. -0.01 min

Lab File: VY001302.D

Acq: 20 Jan 2020 17:45

Instrument :

MSVOA_Y

ClientSampled :

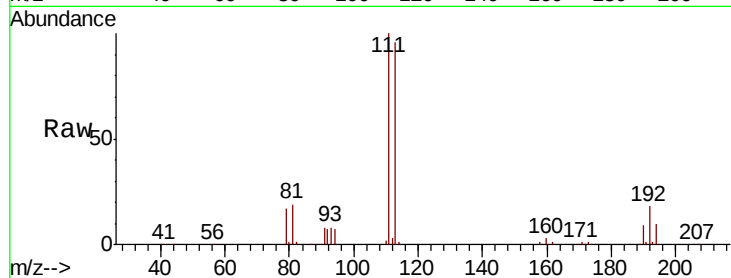
Tot Ion:113 Resp: 101580

Ion Ratio Lower Upper

113 100

111 101.7 82.9 124.3

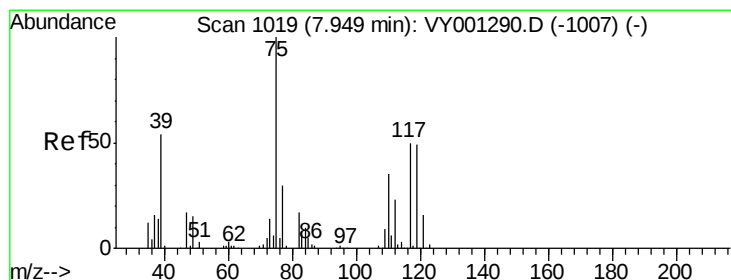
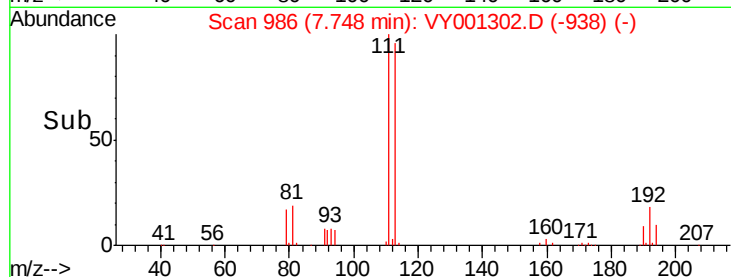
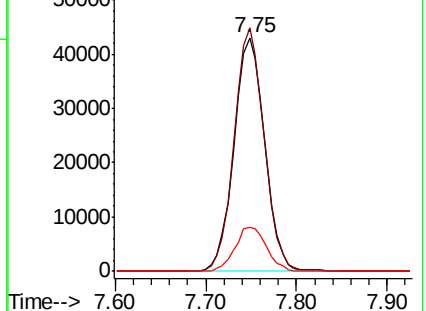
192 19.4 15.4 23.2



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: 4.608 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.13 min

Lab File: VY001302.D

Acq: 20 Jan 2020 17:45

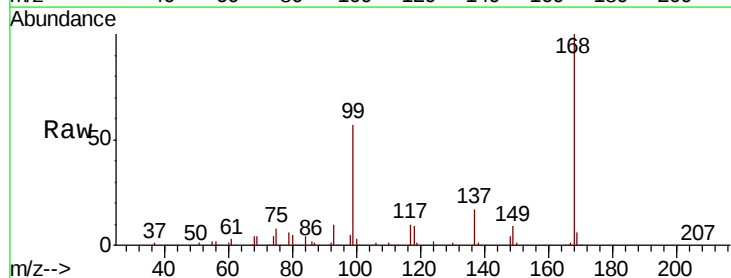
Tgt Ion: 75 Resp: 14470

Ion Ratio Lower Upper

75 100

110 8.3 18.3 54.8#

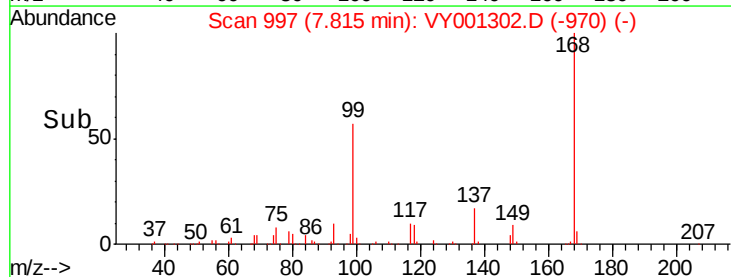
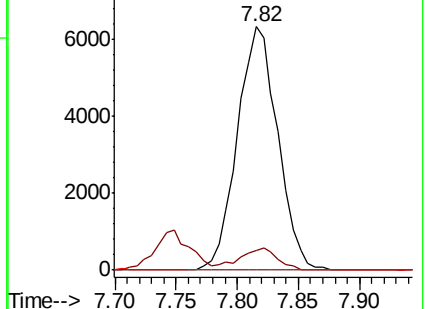
77 0.0 25.1 37.7#

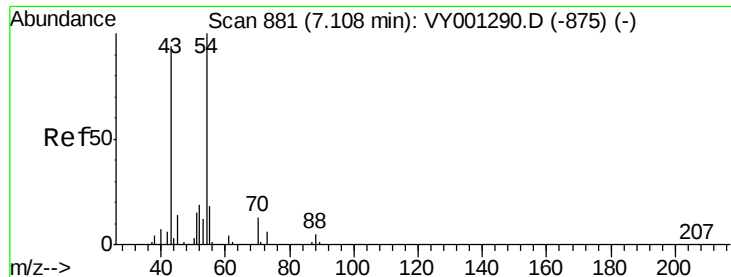


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

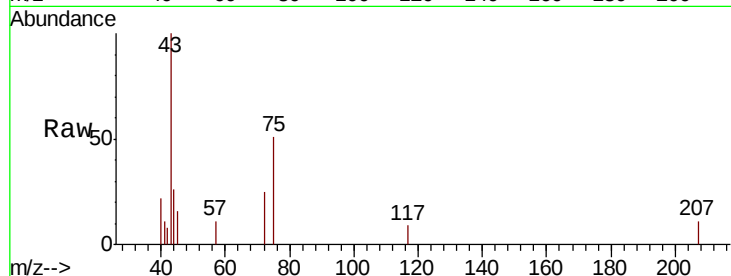




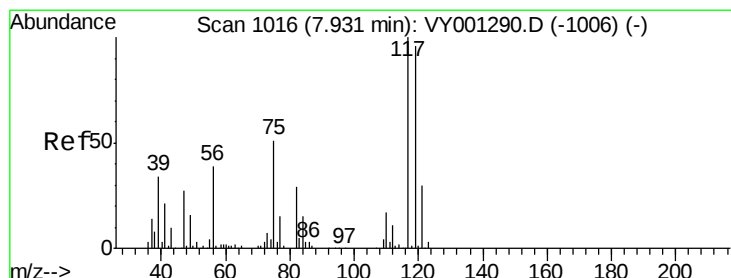
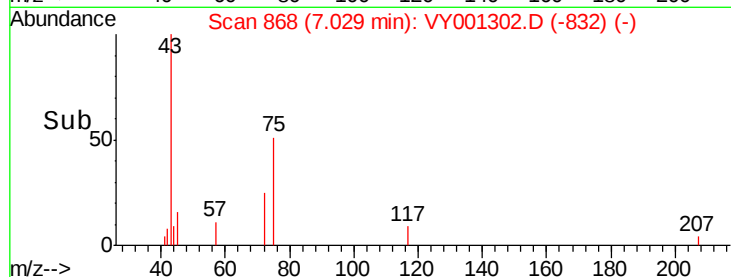
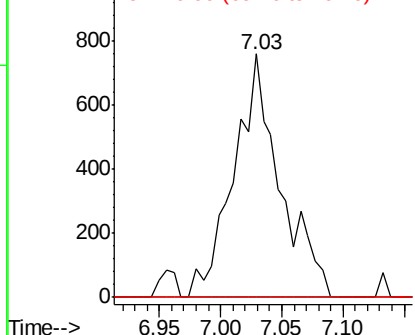
#37
Ethyl Acetate
Concen: 1.089 ug/l
RT: 7.03 min Scan# 868
Delta R.T. -0.08 min
Lab File: VY001302.D
Acq: 20 Jan 2020 17:45

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 2006
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 9.7 14.5#

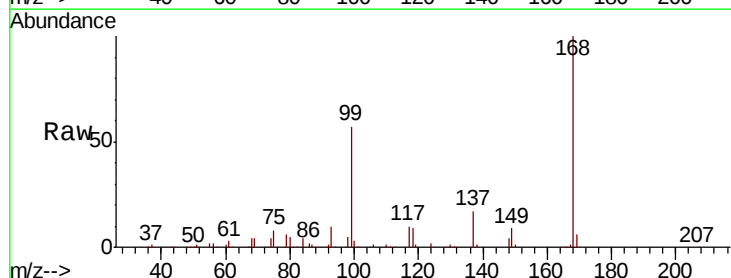


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

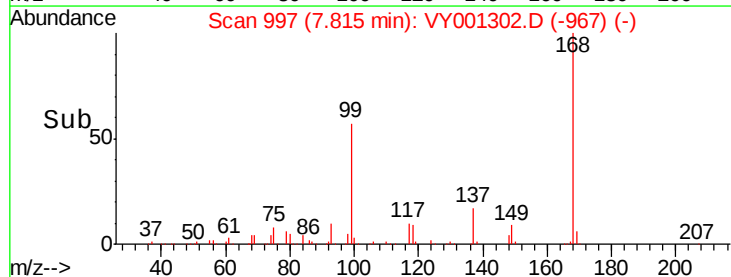
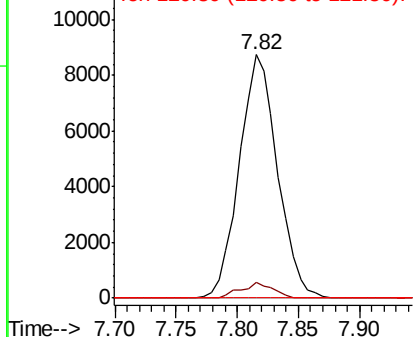


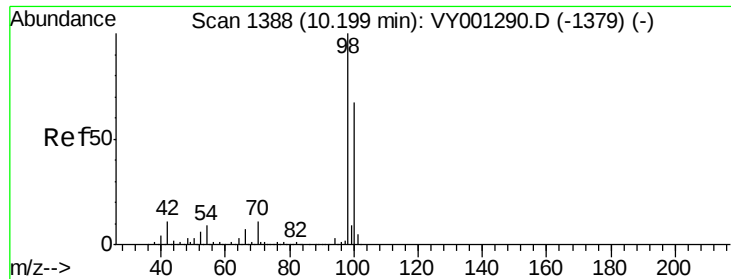
#38
Carbon Tetrachloride
Concen: 6.564 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.12 min
Lab File: VY001302.D
Acq: 20 Jan 2020 17:45

Tgt Ion: 117 Resp: 18890
Ion Ratio Lower Upper
117 100
119 6.5 78.3 117.5#
121 0.0 23.5 35.3#



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

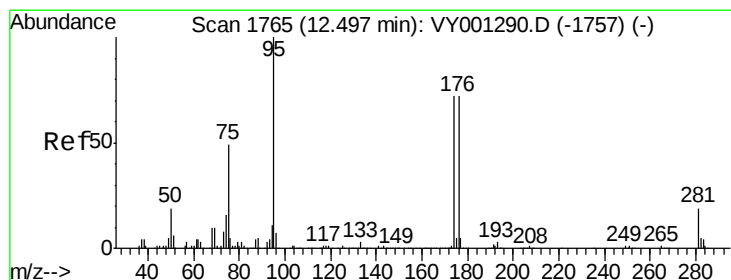
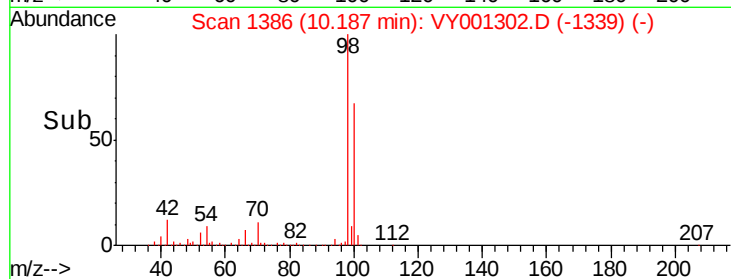
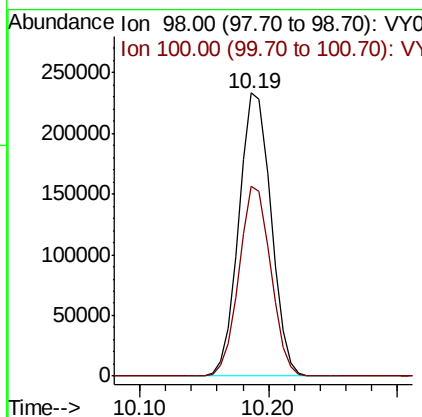
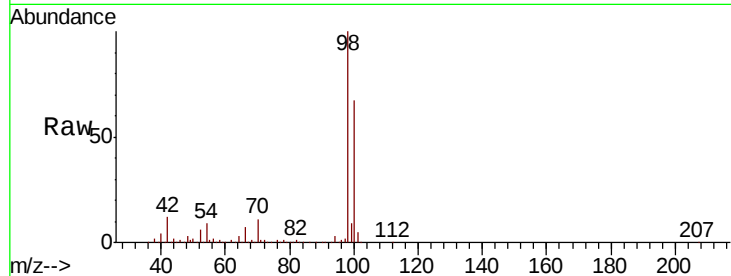




#50
Toluene-d8
Concen: 51.848 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001302.D
Acq: 20 Jan 2020 17:45

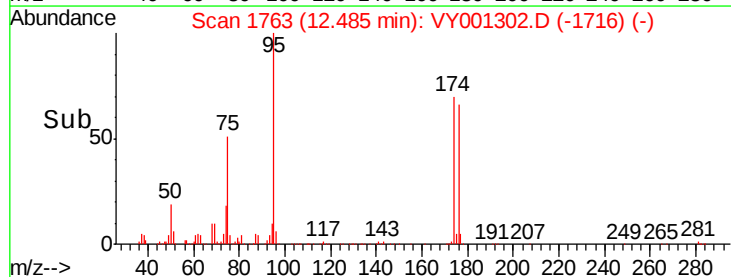
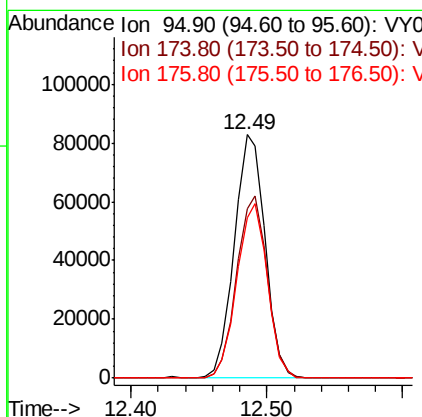
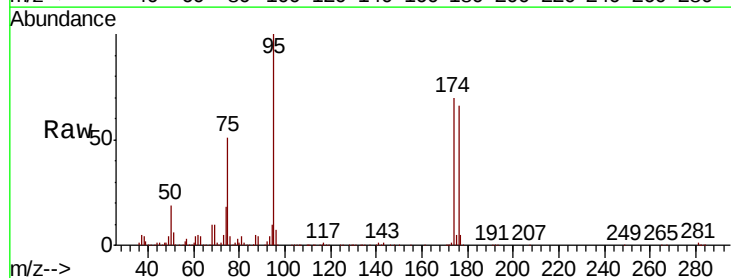
Instrument :
MSVOA_Y
ClientSampled :

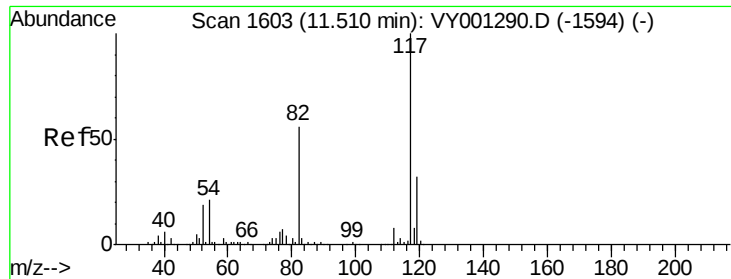
Tot Ion: 98 Resp: 402997
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 40.803 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY001302.D
Acq: 20 Jan 2020 17:45

Tgt Ion: 95 Resp: 129659
Ion Ratio Lower Upper
95 100
174 74.8 0.0 143.2
176 71.5 0.0 136.0

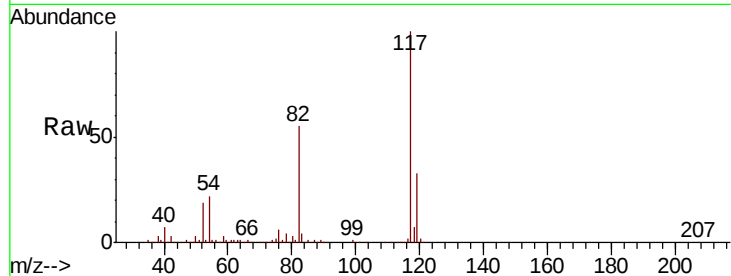




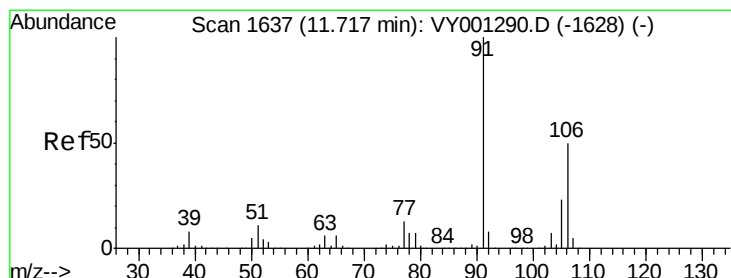
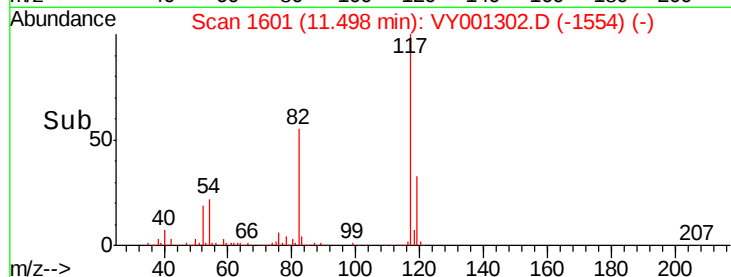
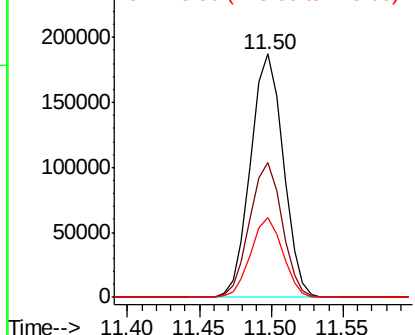
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001302.D
Acq: 20 Jan 2020 17:45

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 294598
Ion Ratio Lower Upper
117 100
82 55.3 44.9 67.3
119 32.6 25.7 38.5

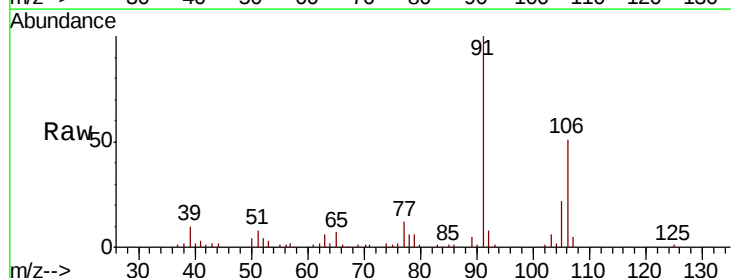


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

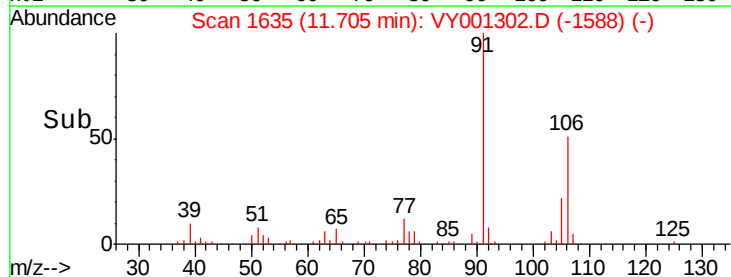
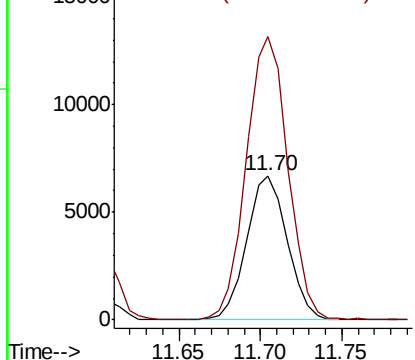


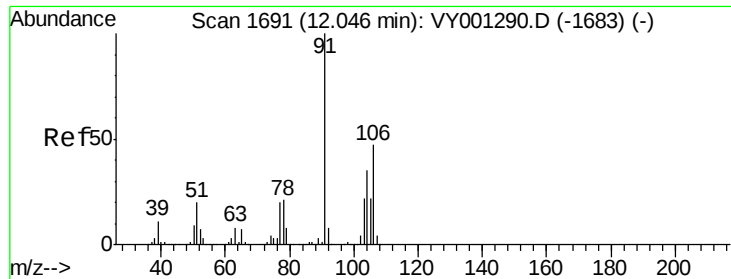
#68
m/p-Xylenes
Concen: 2.860 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001302.D
Acq: 20 Jan 2020 17:45

Tgt Ion:106 Resp: 11616
Ion Ratio Lower Upper
106 100
91 201.4 161.4 242.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

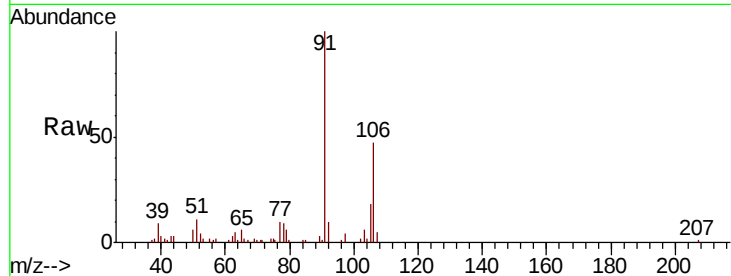




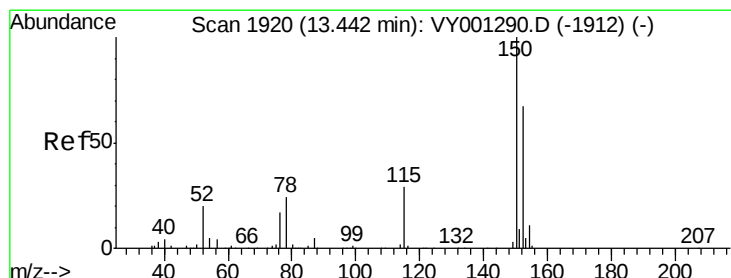
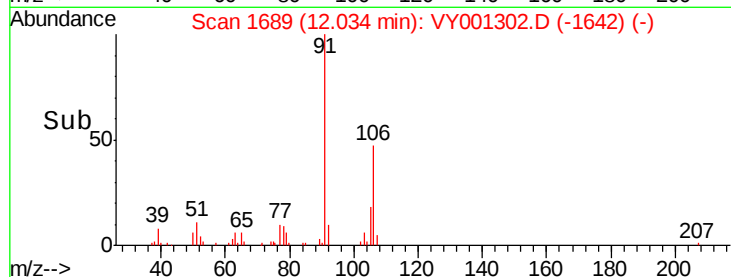
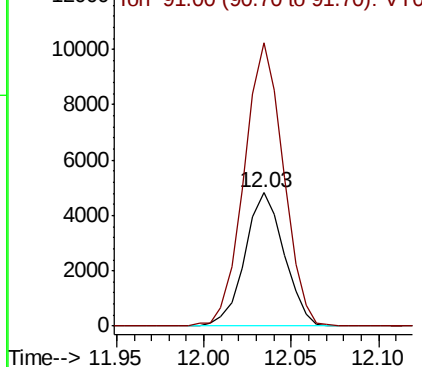
#69
o-Xylene
Concen: 1.926 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001302.D
Acq: 20 Jan 2020 17:45

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:106 Resp: 7501
Ion Ratio Lower Upper
106 100
91 212.9 106.3 318.8

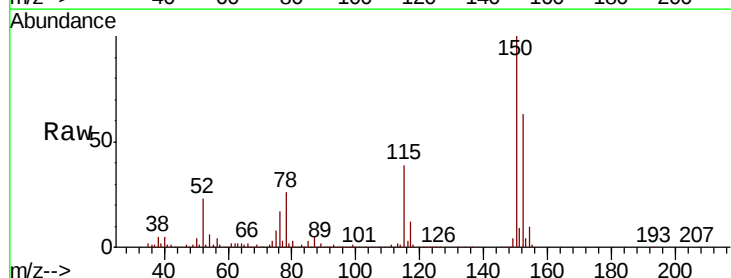


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

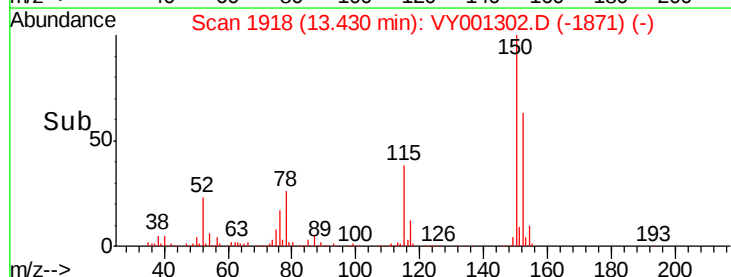
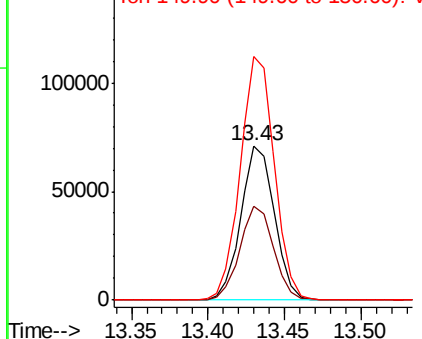


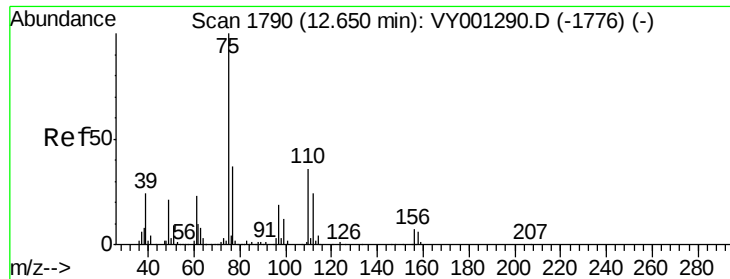
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001302.D
Acq: 20 Jan 2020 17:45

Tgt Ion:152 Resp: 108020
Ion Ratio Lower Upper
152 100
115 61.3 30.9 92.5
150 160.2 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

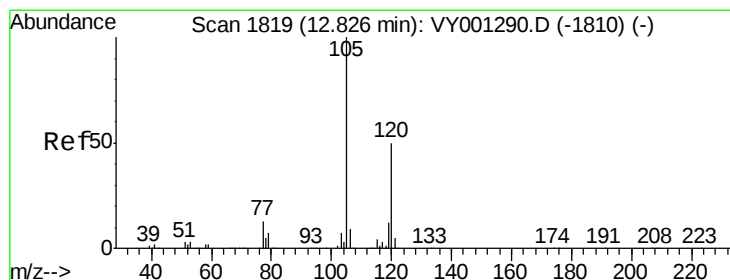
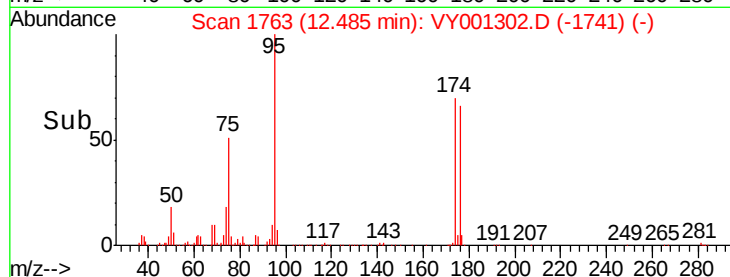
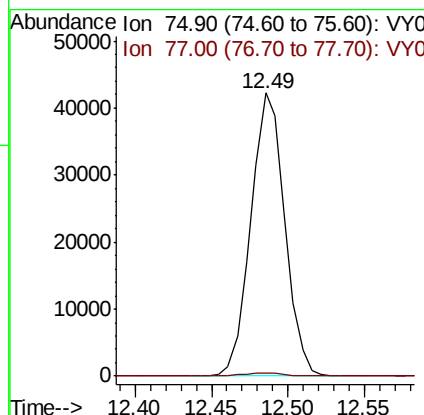
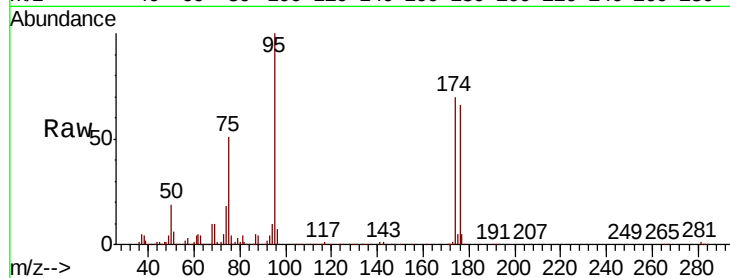




#76
 1,2,3-Trichloropropane
 Concen: 56.240 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.16 min
 Lab File: VY001302.D
 Acq: 20 Jan 2020 17:45

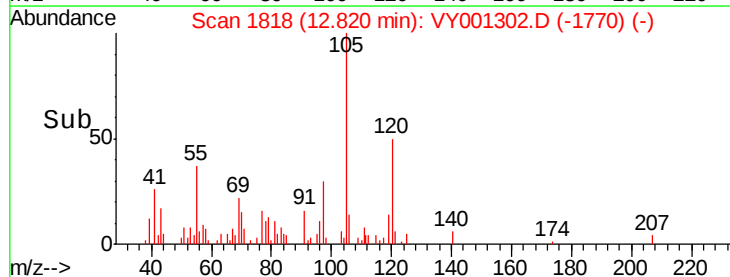
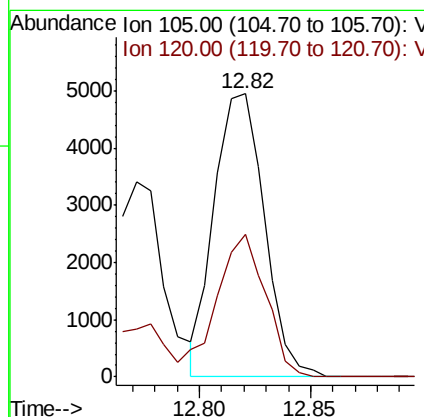
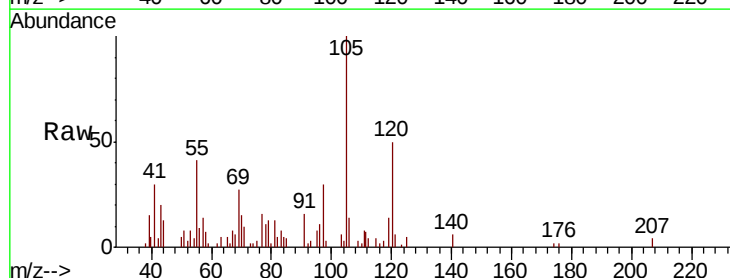
Instrument :
 MSVOA_Y
 ClientSampleId :

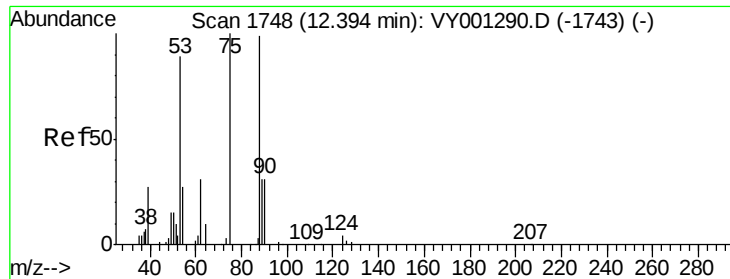
Tot Ion: 75 Resp: 65034
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.146 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: VY001302.D
 Acq: 20 Jan 2020 17:45

Tgt Ion: 105 Resp: 7762
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 95.371 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.09 min

Lab File: VY001302.D

Acq: 20 Jan 2020 17:45

Instrument :

MSVOA_Y

ClientSampled :

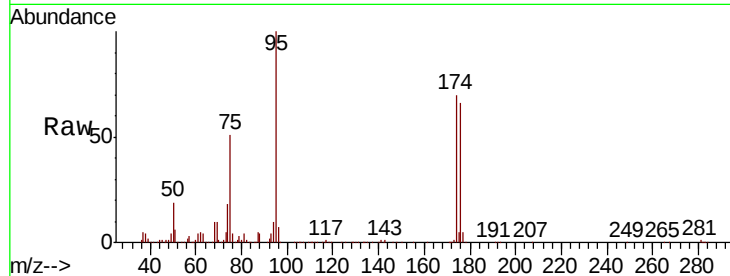
Tot Ion: 75 Resp: 65034

Ion Ratio Lower Upper

75 100

53 0.1 69.4 104.2#

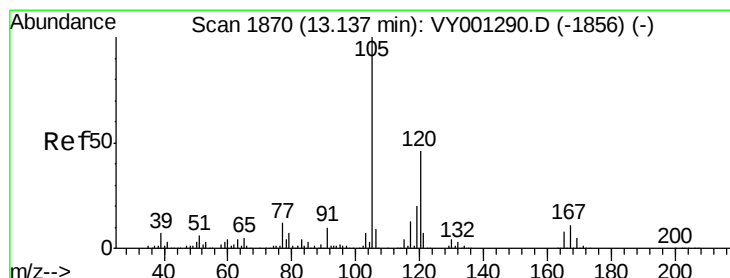
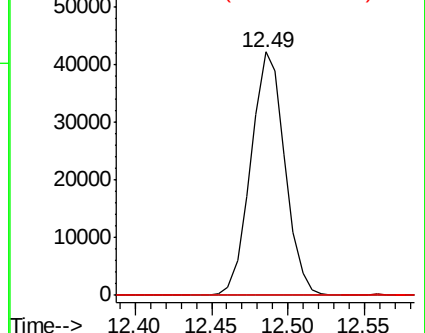
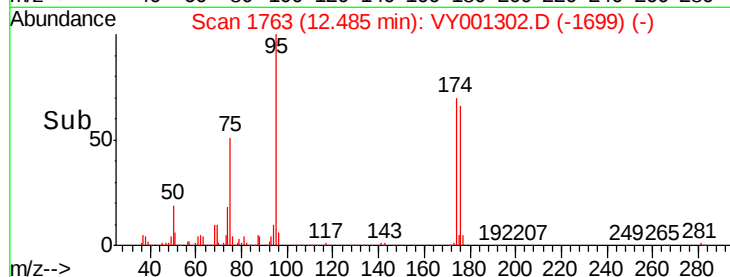
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY001302.D (-1699) (-)

Ion 53.00 (52.70 to 53.70): VY001302.D (-1699) (-)

Ion 88.90 (88.60 to 89.60): VY001302.D (-1699) (-)



#84

1,2,4-Trimethylbenzene

Concen: 3.762 ug/l

RT: 13.13 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VY001302.D

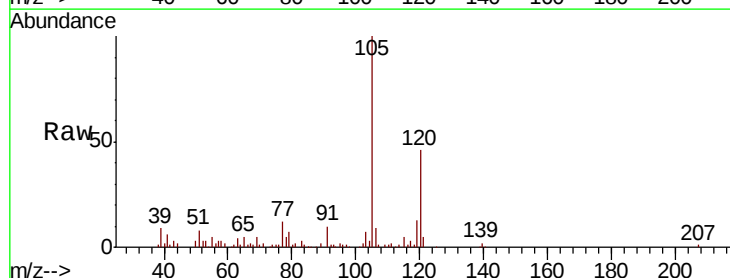
Acq: 20 Jan 2020 17:45

Tgt Ion:105 Resp: 25314

Ion Ratio Lower Upper

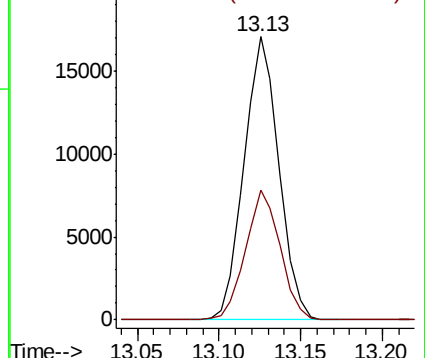
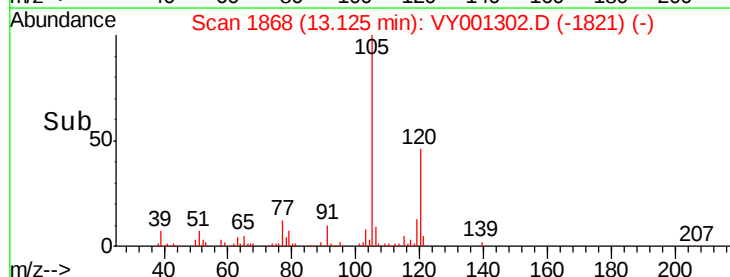
105 100

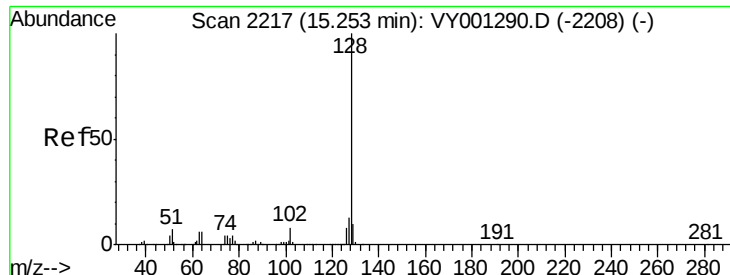
120 45.8 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): VY001302.D (-1821) (-)

Ion 120.00 (119.70 to 120.70): VY001302.D (-1821) (-)





#95

Naphthalene

Concen: 3.002 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. -0.01 min

Lab File: VY001302.D

Acq: 20 Jan 2020 17:45

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion:128 Resp: 14524

Ion Ratio Lower Upper

128 100

127 13.8 10.2 15.4

129 12.4 8.5 12.7

