

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041420\
 Data File : VY002314.D
 Acq On : 14 Apr 2020 17:18
 Operator : SY/MD
 Sample : L2230-03RE
 Misc : 7.15G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 15 05:36:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	140049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	277359	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	245082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	93024	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	76712	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
35) Dibromofluoromethane	7.73	113	81883	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
50) Toluene-d8	10.19	98	332490	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
62) 4-Bromofluorobenzene	12.49	95	103670	45.49	ug/l	0.00
Spiked Amount			Recovery	=	90.98%	

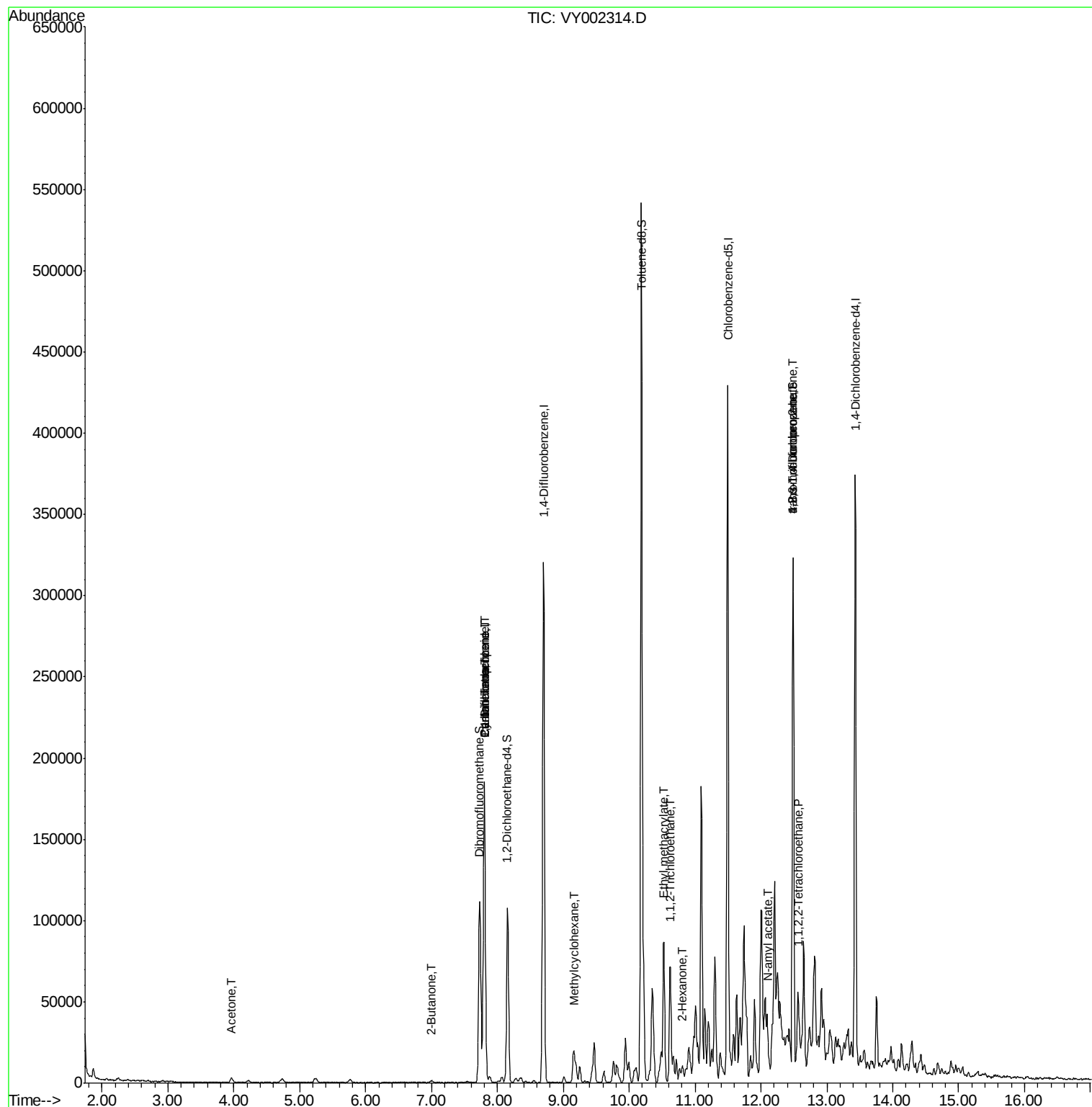
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	21	Below Cal	#	77
16) Acetone	3.96	43	5122	12.486	ug/l	100
25) 2-Butanone	7.00	43	1472	2.268	ug/l #	84
31) Cyclohexane	7.80	56	3415	1.041	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	11549	4.227	ug/l #	49
38) Carbon Tetrachloride	7.80	117	13608	5.823	ug/l #	14
39) Methylcyclohexane	9.16	83	6476	1.743	ug/l #	37
55) 1,1,2-Trichloroethane	10.63	97	29874	18.976	ug/l #	19
56) Ethyl methacrylate	10.53	69	8830	3.930	ug/l #	1
59) 2-Hexanone	10.80	43	3890	3.779	ug/l #	27
74) N-amyl acetate	12.11	43	2904	1.400	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.56	83	1936	2.190	ug/l #	25
76) 1,2,3-Trichloropropane	12.49	75	47710	44.167	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	47710	85.905	ug/l #	20

(#) = 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: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY002314.D

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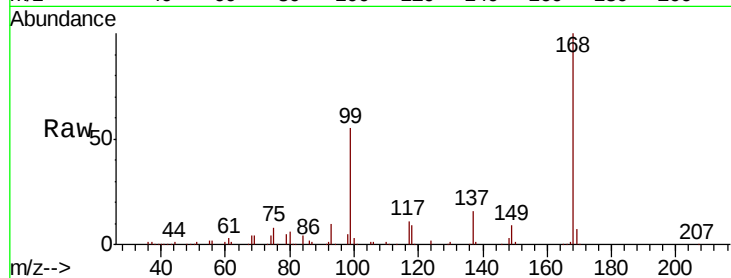
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 140049

Ion Ratio Lower Upper

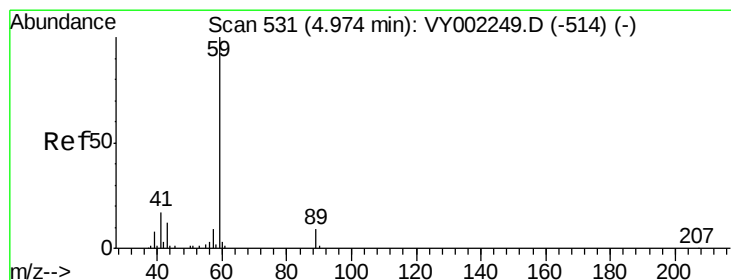
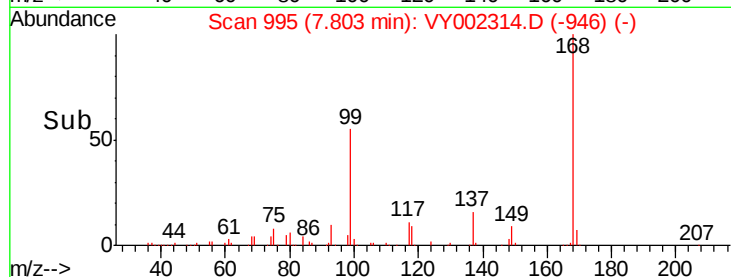
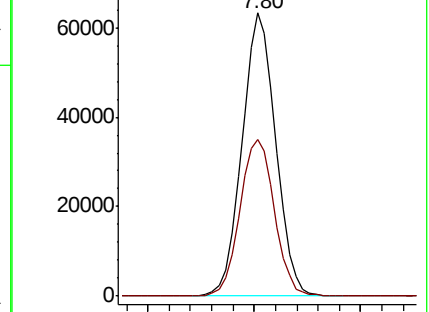
168 100

99 55.2 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 528

Delta R.T. -0.02 min

Lab File: VY002314.D

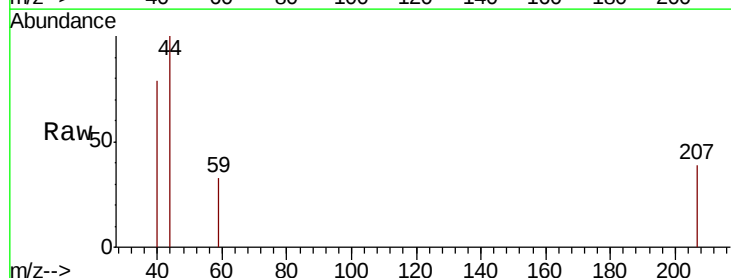
Acq: 14 Apr 2020 17:18

Tgt Ion: 59 Resp: 21

Ion Ratio Lower Upper

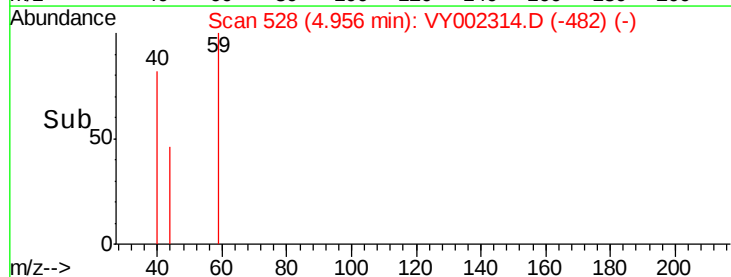
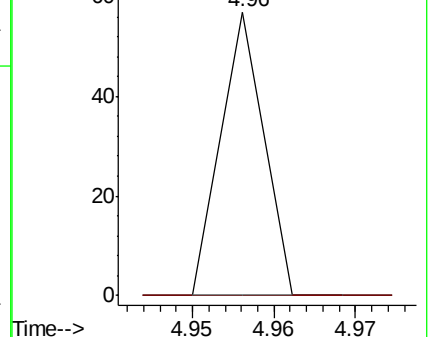
59 100

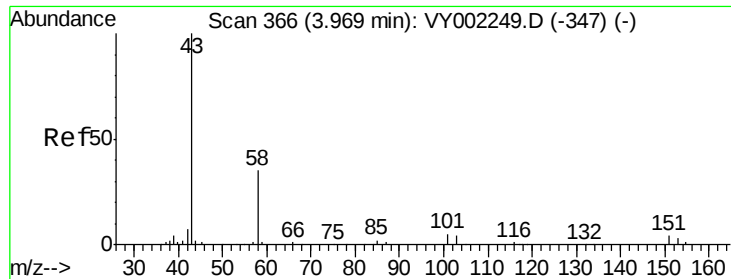
57 0.0 6.6 9.8#



Abundance Ion 59.00 (58.70 to 59.70): VY002249.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY002249.D (-514) (-)





#16

Acetone

Concen: 12.486 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY002314.D

Acq: 14 Apr 2020 17:18

Instrument :

MSVOA_Y

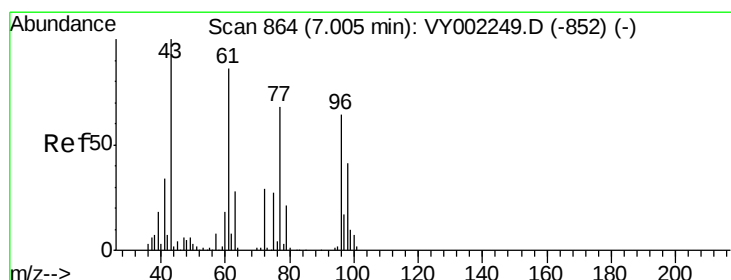
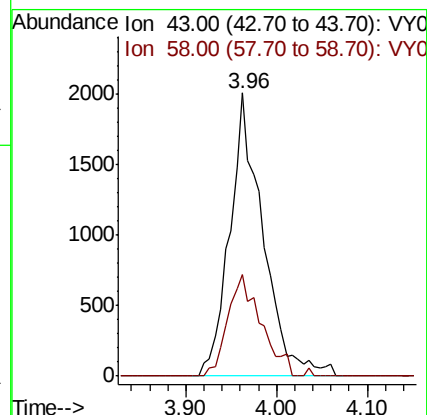
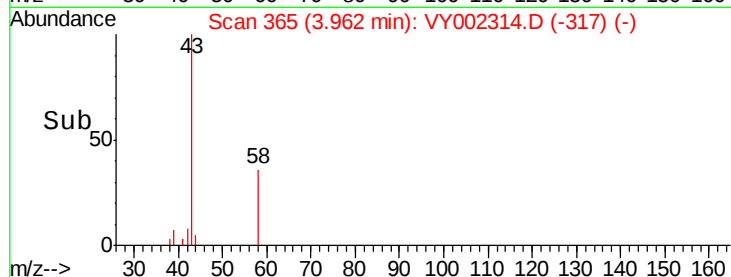
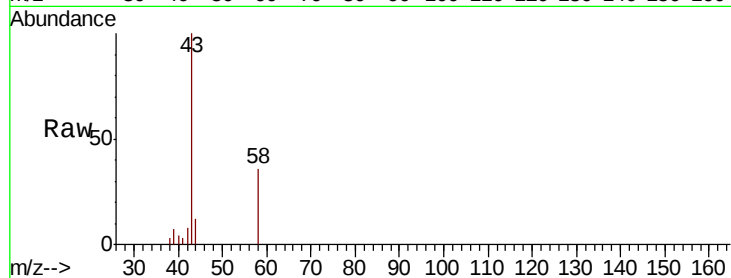
ClientSampled :

Tot Ion: 43 Resp: 5122

Ion Ratio Lower Upper

43 100

58 35.7 28.5 42.7



#25

2-Butanone

Concen: 2.268 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.00 min

Lab File: VY002314.D

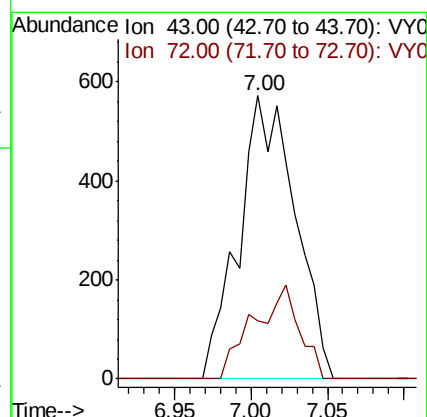
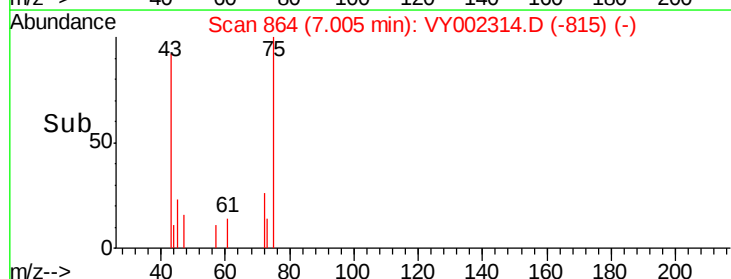
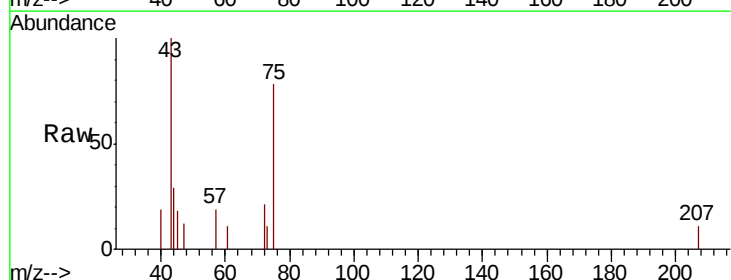
Acq: 14 Apr 2020 17:18

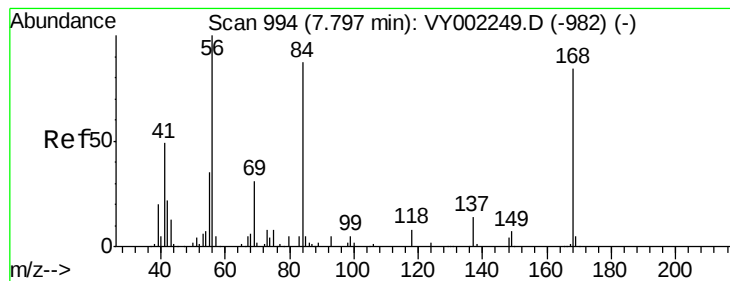
Tgt Ion: 43 Resp: 1472

Ion Ratio Lower Upper

43 100

72 20.6 23.2 34.8#





#31

Cyclohexane

Concen: 1.041 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY002314.D

Acq: 14 Apr 2020 17:18

Instrument :
MSVOA_Y
ClientSampled :

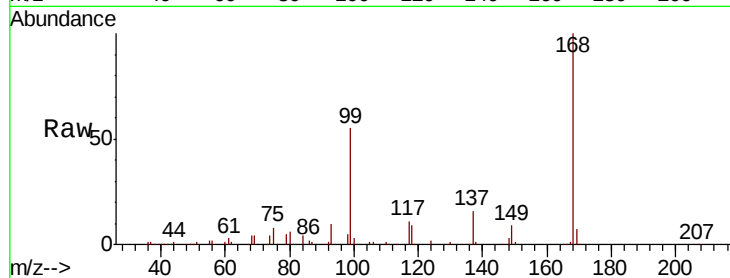
Tot Ion: 56 Resp: 3415

Ion Ratio Lower Upper

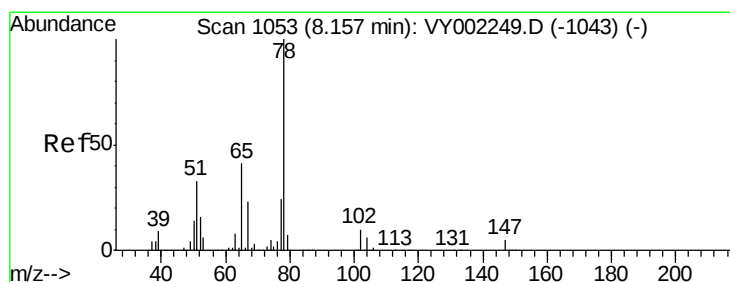
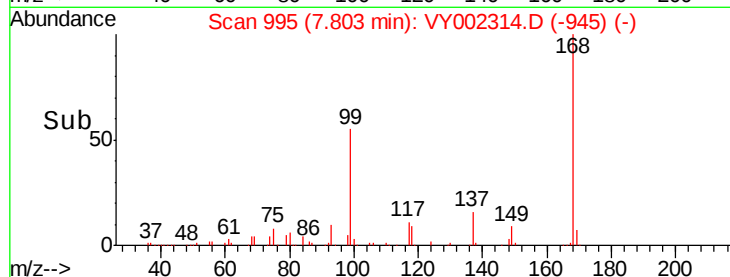
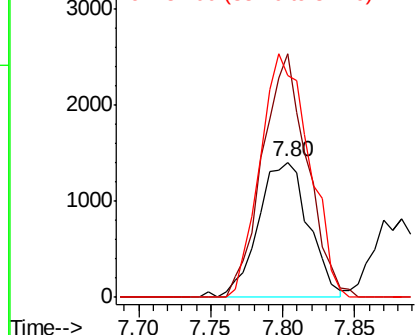
56 100

69 179.9 25.0 37.6#

84 164.4 69.7 104.5#



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 49.255 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VY002314.D

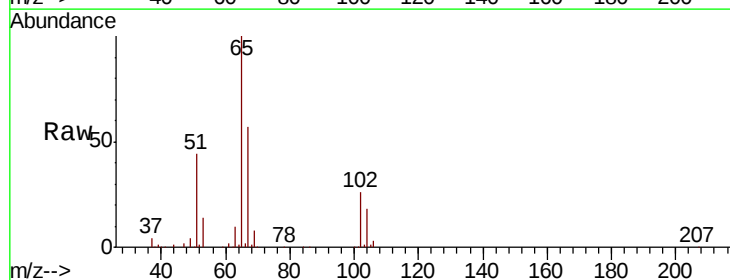
Acq: 14 Apr 2020 17:18

Tgt Ion: 65 Resp: 76712

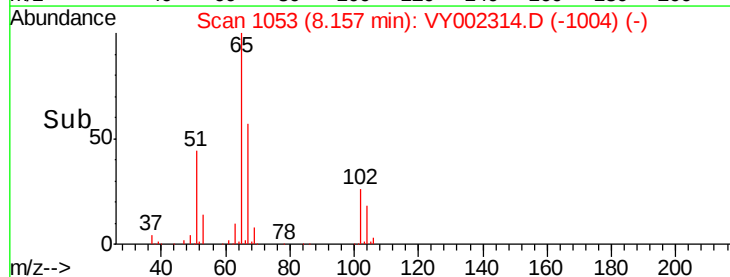
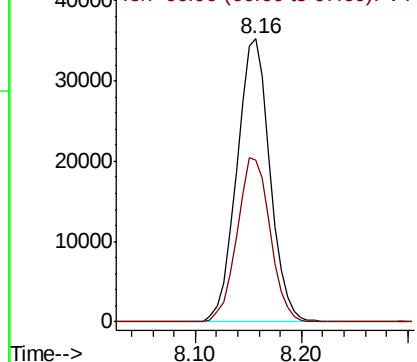
Ion Ratio Lower Upper

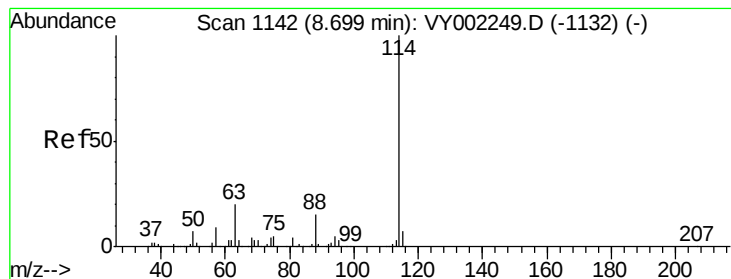
65 100

67 58.1 0.0 114.0



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VY002314.D

Acq: 14 Apr 2020 17:18

Instrument :

MSVOA_Y

ClientSampleId :

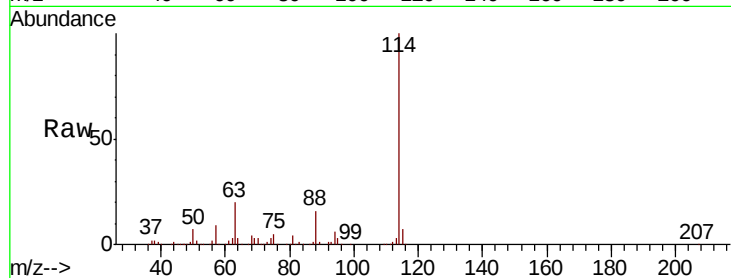
Tot Ion:114 Resp: 277359

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.0

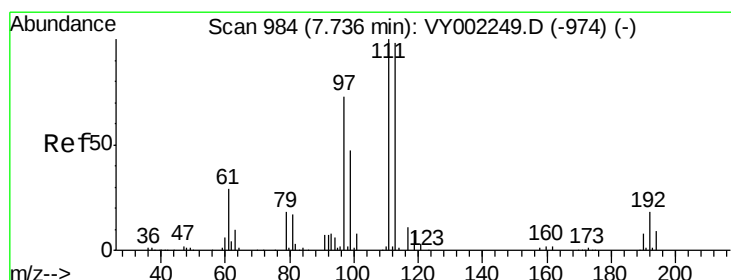
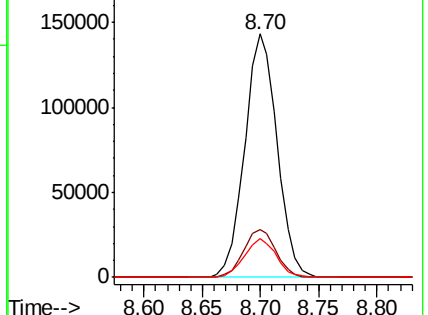
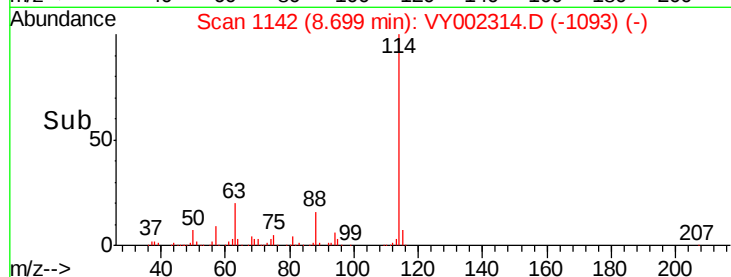
88 16.1 0.0 31.0



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: 49.615 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002314.D

Acq: 14 Apr 2020 17:18

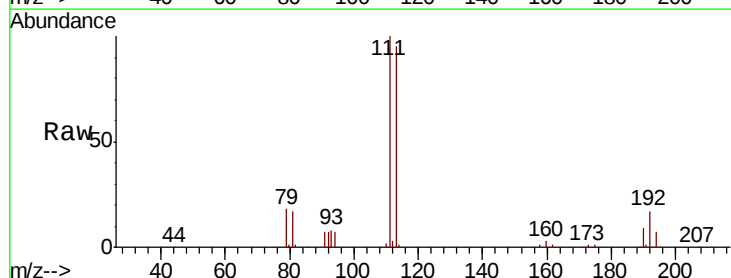
Tgt Ion:113 Resp: 81883

Ion Ratio Lower Upper

113 100

111 102.3 83.5 125.3

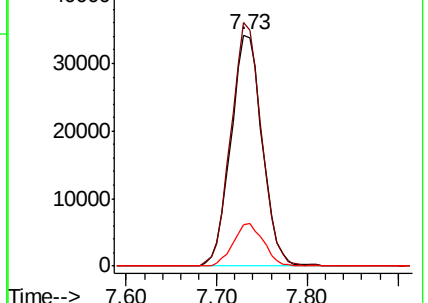
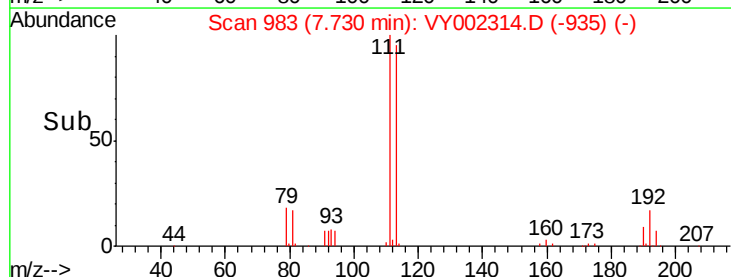
192 18.0 14.7 22.1

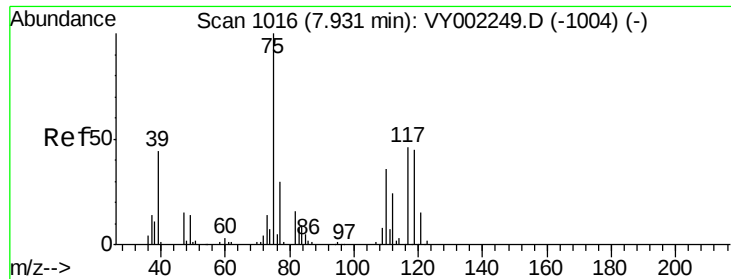


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

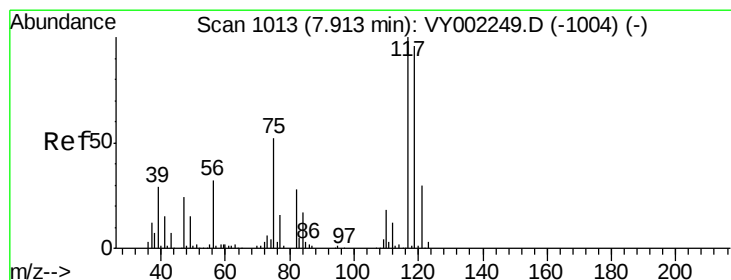
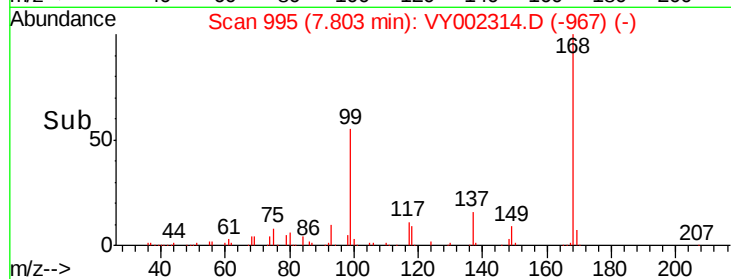
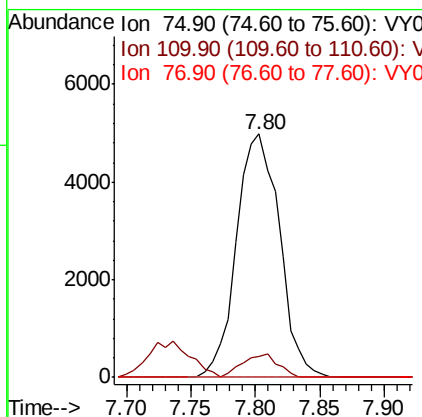
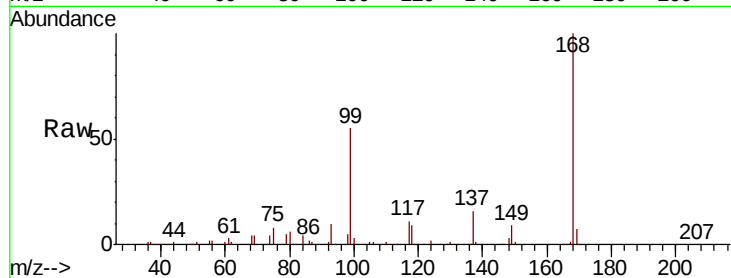




#36
 1,1-Dichloropropene
 Concen: 4.227 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002314.D
 Acq: 14 Apr 2020 17:18

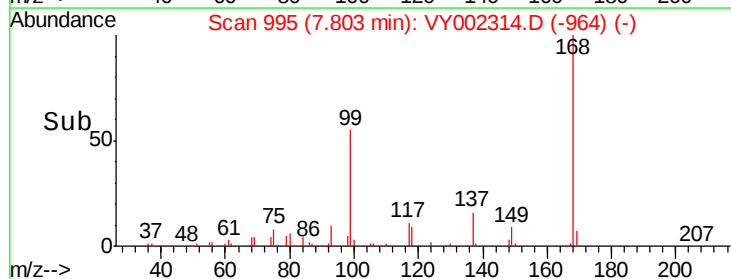
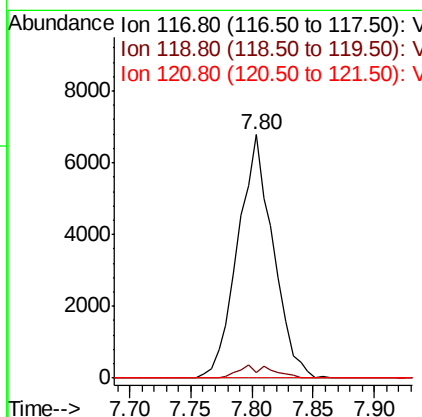
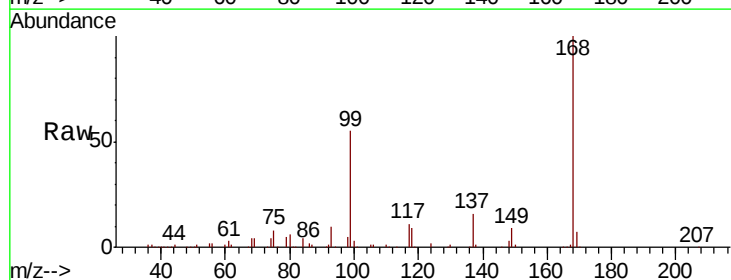
Instrument :
 MSVOA_Y
 ClientSampleId :

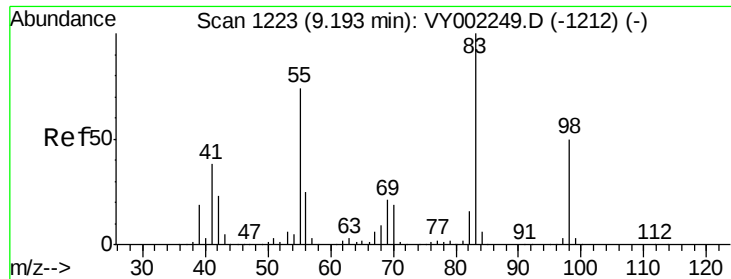
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.8	53.3#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 5.823 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY002314.D
 Acq: 14 Apr 2020 17:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	2.4	77.1	115.7#
121	0.0	23.9	35.9#

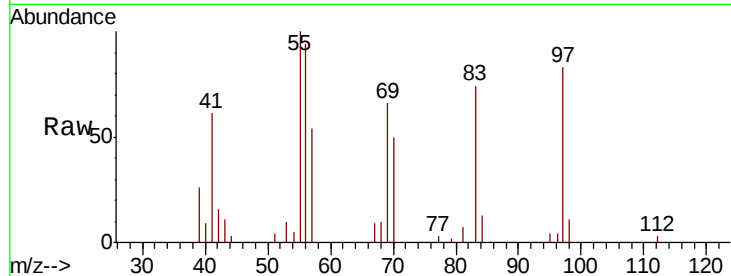




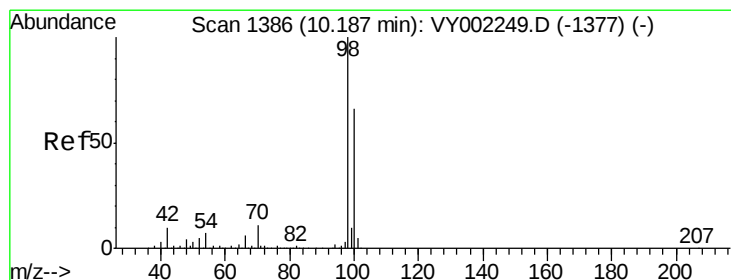
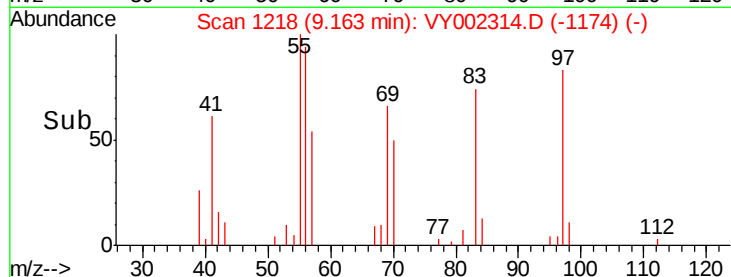
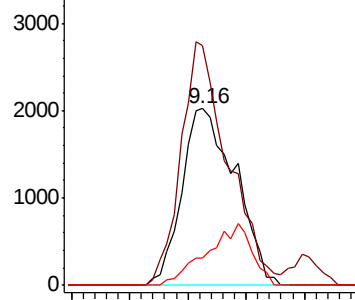
#39
Methylcyclohexane
Concen: 1.743 ug/l
RT: 9.16 min Scan# 1218
Delta R.T. -0.03 min
Lab File: VY002314.D
Acq: 14 Apr 2020 17:18

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 83 Resp: 6476
Ion Ratio Lower Upper
83 100
55 135.2 59.3 88.9#
98 15.1 39.6 59.4#

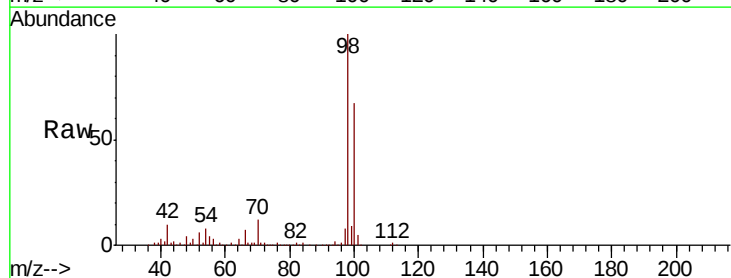


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

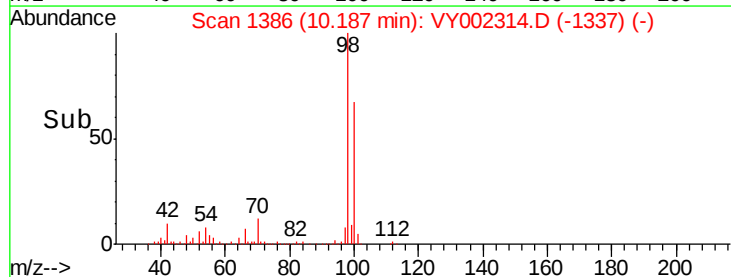
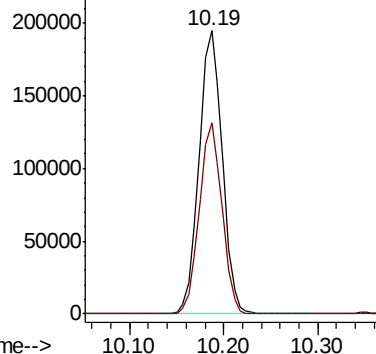


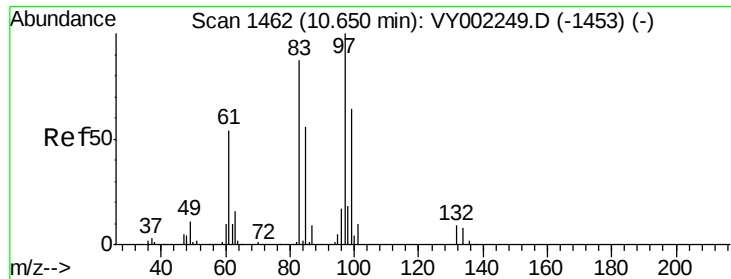
#50
Toluene-d8
Concen: 48.133 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY002314.D
Acq: 14 Apr 2020 17:18

Tgt Ion: 98 Resp: 332490
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8



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

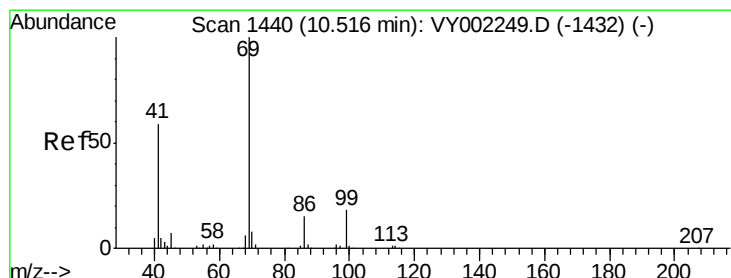
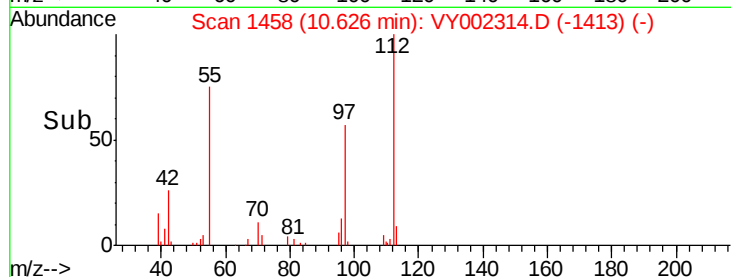
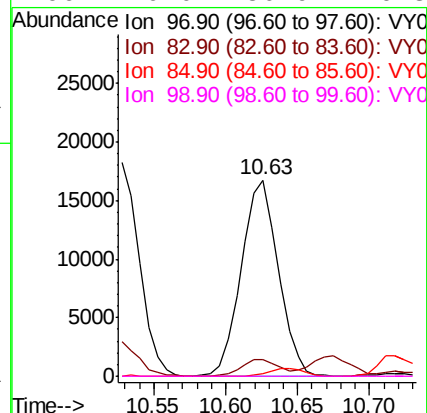
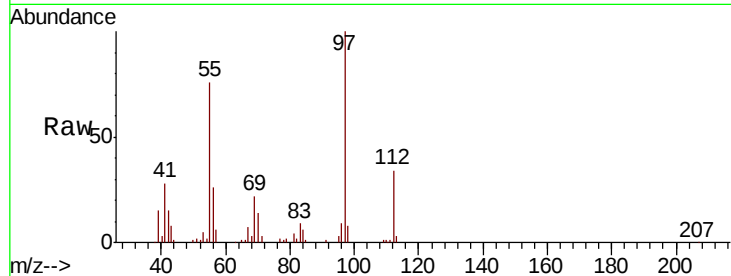




#55
 1,1,2-Trichloroethane
 Concen: 18.976 ug/l
 RT: 10.63 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: VY002314.D
 Acq: 14 Apr 2020 17:18

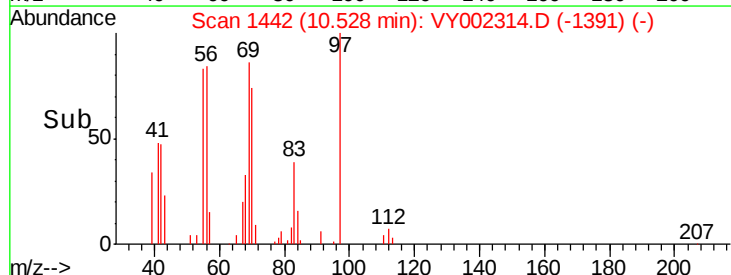
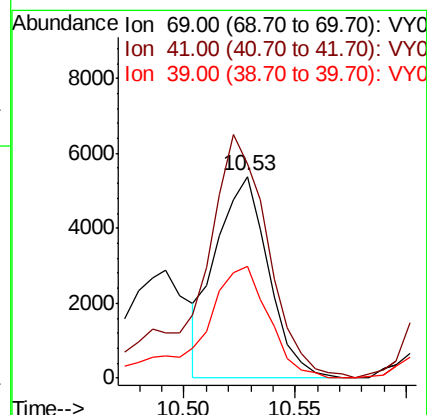
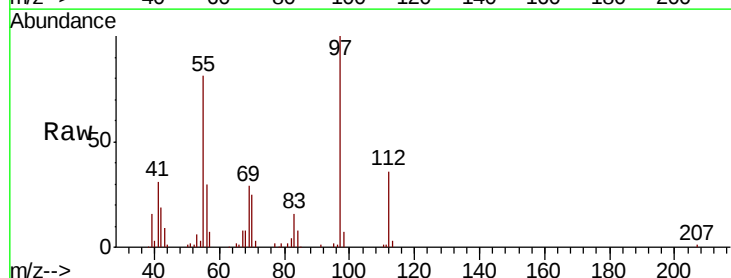
Instrument :
 MSVOA_Y
 ClientSampleId :

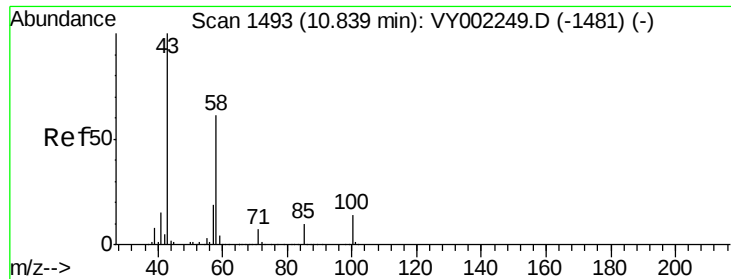
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		29874		
83	8.8	69.5	104.3#		
85	1.2	45.2	67.8#		
99	0.0	50.9	76.3#		



#56
 Ethyl methacrylate
 Concen: 3.930 ug/l
 RT: 10.53 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VY002314.D
 Acq: 14 Apr 2020 17:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		8830		
41	167.4	47.9	71.9#		
39	76.9	23.8	35.6#		

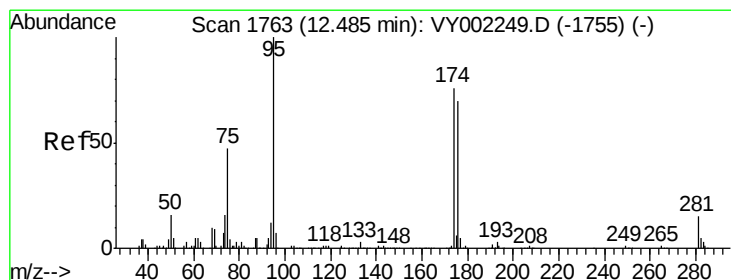
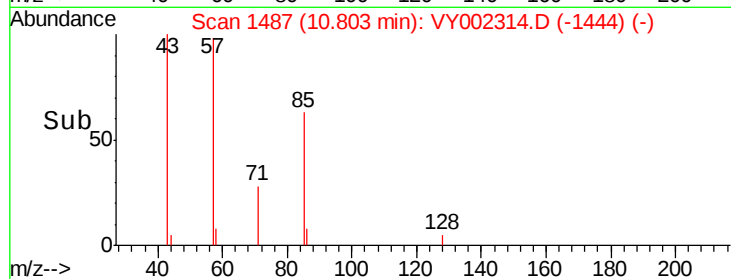
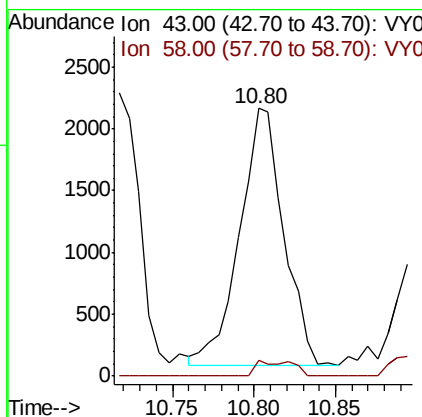
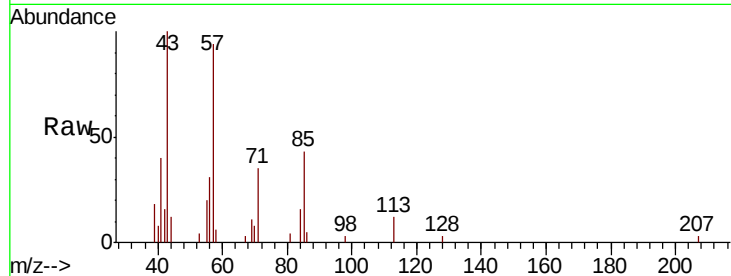




#59
2-Hexanone
Concen: 3.779 ug/l
RT: 10.80 min Scan# 1487
Delta R.T. -0.04 min
Lab File: VY002314.D
Acq: 14 Apr 2020 17:18

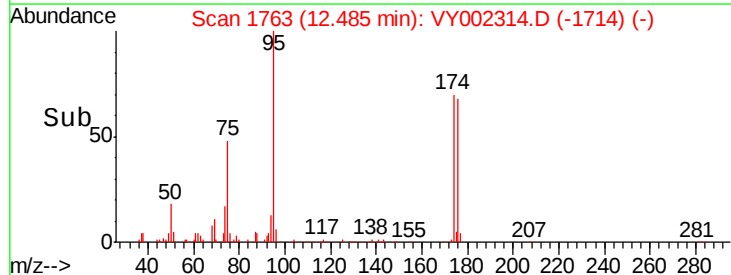
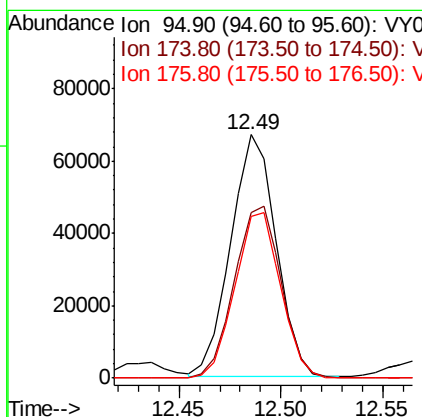
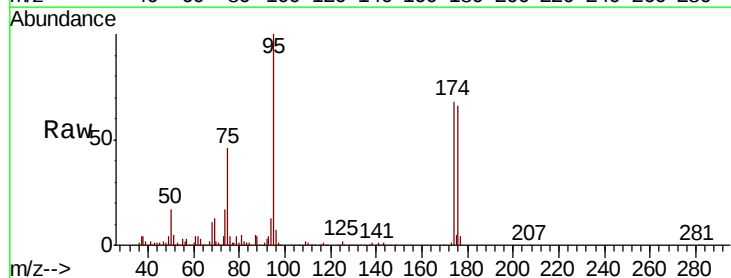
Instrument :
MSVOA_Y
ClientSampleId :

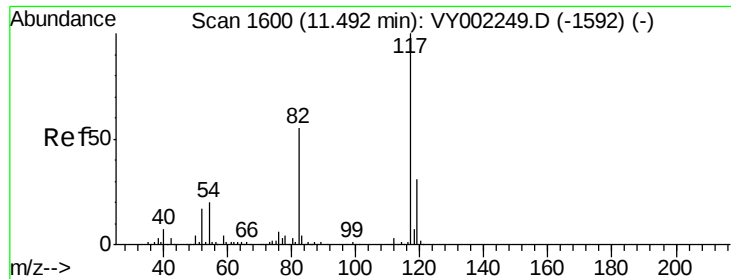
Tot Ion: 43 Resp: 3890
Ion Ratio Lower Upper
43 100
58 4.8 29.8 89.3#



#62
4-Bromofluorobenzene
Concen: 45.490 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VY002314.D
Acq: 14 Apr 2020 17:18

Tgt Ion: 95 Resp: 103670
Ion Ratio Lower Upper
95 100
174 73.0 0.0 150.6
176 68.7 0.0 141.4

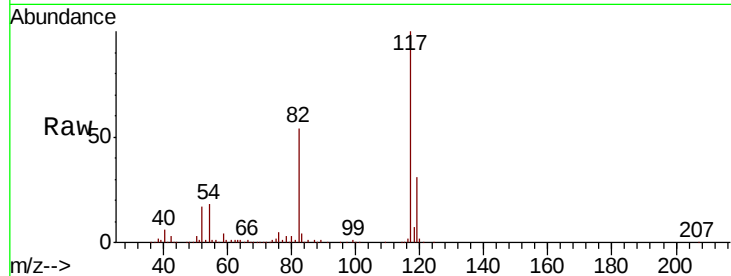




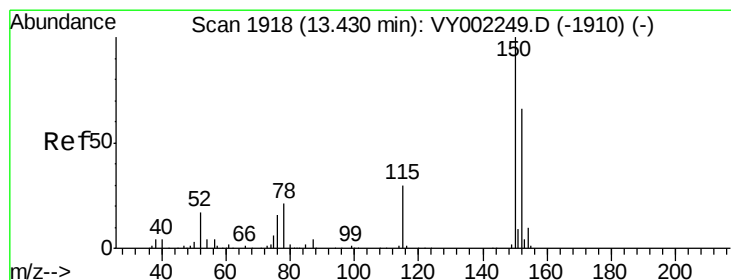
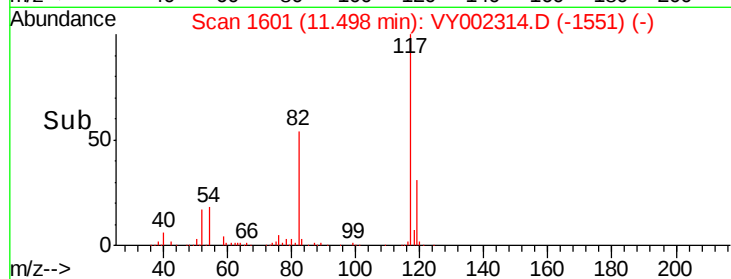
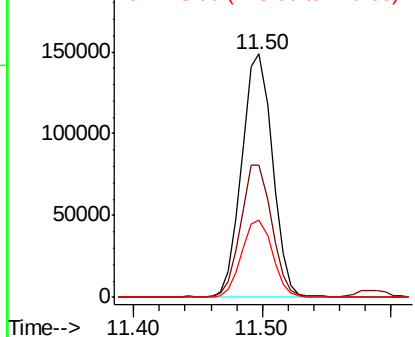
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002314.D
Acq: 14 Apr 2020 17:18

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 245082
Ion Ratio Lower Upper
117 100
82 53.7 44.2 66.4
119 31.5 25.1 37.7

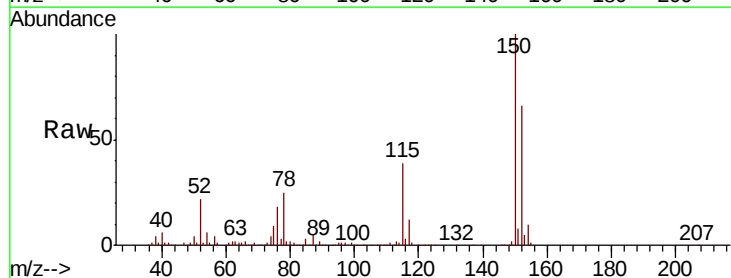


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

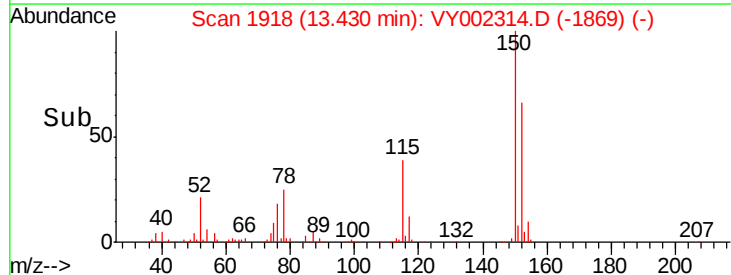
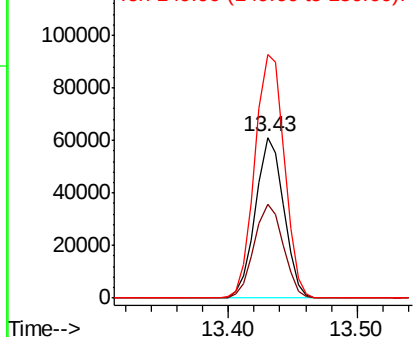


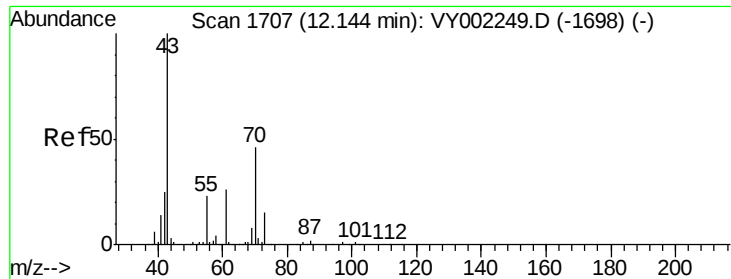
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY002314.D
Acq: 14 Apr 2020 17:18

Tgt Ion:152 Resp: 93024
Ion Ratio Lower Upper
152 100
115 59.9 30.7 92.1
150 157.5 0.0 350.6



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-amvl acetate

Concen: 1.400 ug/l

RT: 12.11 min Scan# 1701

Delta R.T. -0.04 min

Lab File: VY002314.D

Acq: 14 Apr 2020 17:18

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 43 Resp: 2904

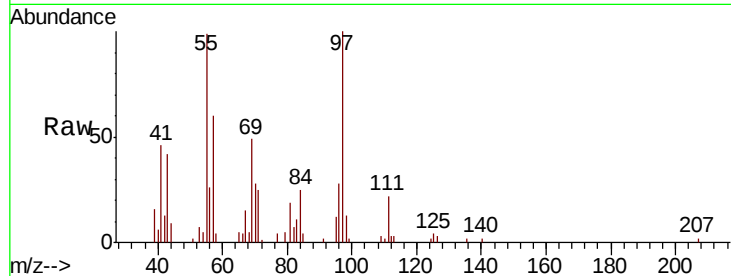
Ion Ratio Lower Upper

43 100

70 80.8 37.5 56.3#

55 417.7 19.0 28.6#

61 0.0 21.6 32.4#

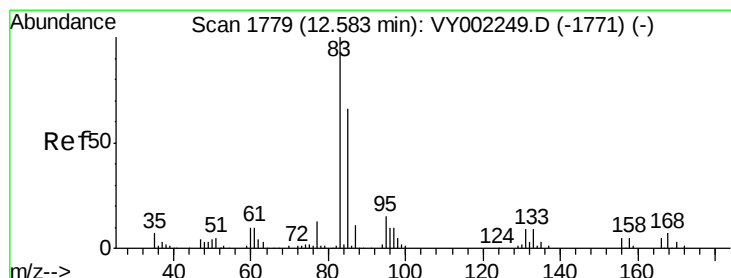
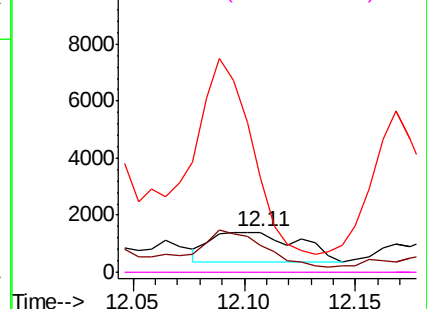
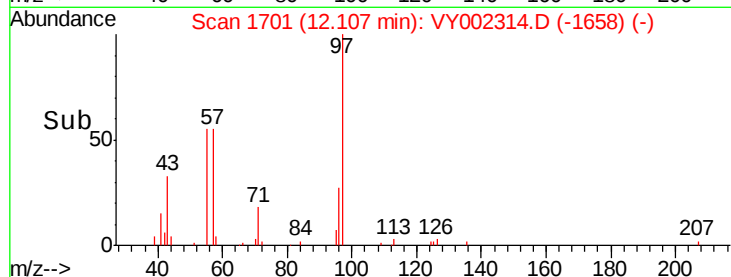


Abundance Ion 43.00 (42.70 to 43.70): VY0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 2.190 ug/l

RT: 12.56 min Scan# 1775

Delta R.T. -0.02 min

Lab File: VY002314.D

Acq: 14 Apr 2020 17:18

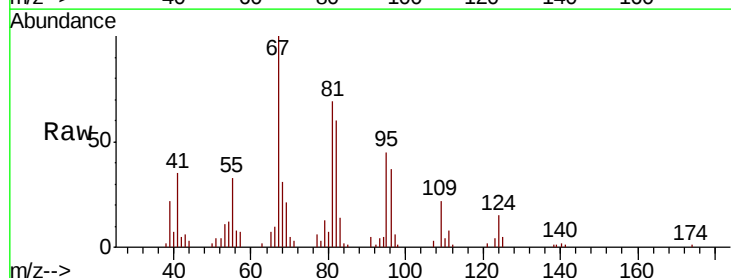
Tgt Ion: 83 Resp: 1936

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

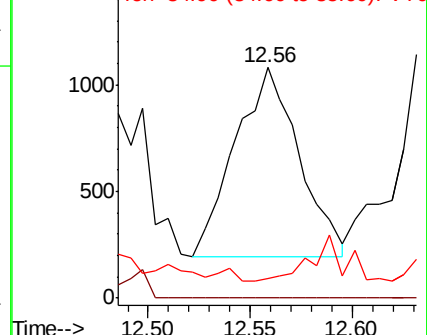
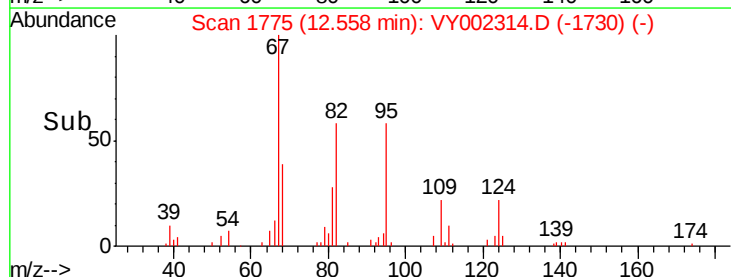
85 0.0 32.6 97.8#

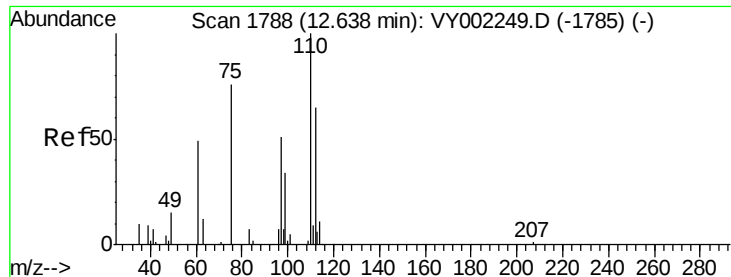


Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VY0





#76

1,2,3-Trichloropropane

Concen: 44.167 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002314.D

Acq: 14 Apr 2020 17:18

Instrument :

MSVOA_Y

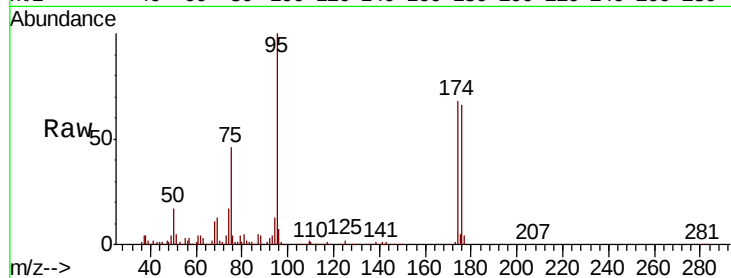
ClientSampleId :

Tot Ion: 75 Resp: 47710

Ion Ratio Lower Upper

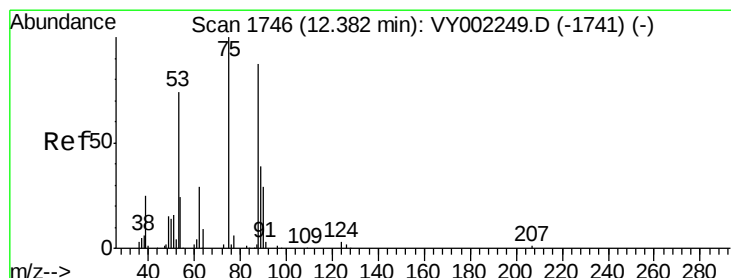
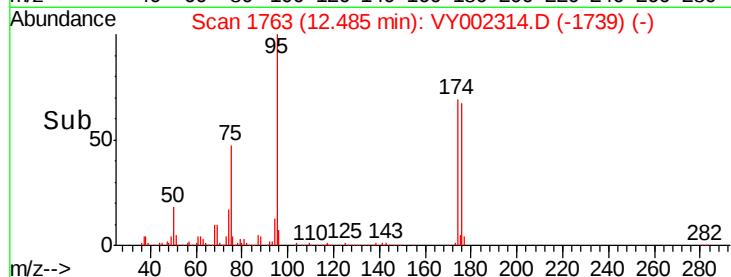
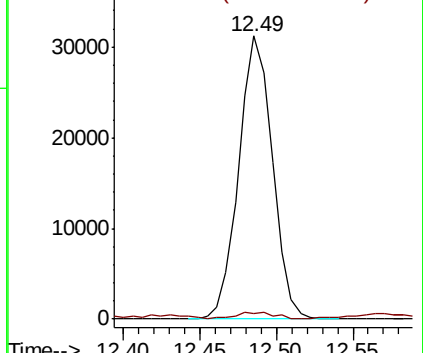
75 100

77 2.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#81

trans-1,4-Dichloro-2-butene

Concen: 85.905 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002314.D

Acq: 14 Apr 2020 17:18

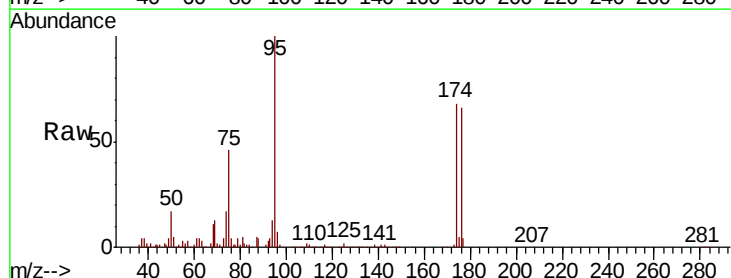
Tgt Ion: 75 Resp: 47710

Ion Ratio Lower Upper

75 100

53 1.4 59.8 89.8#

89 0.0 37.0 55.6#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

