

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012420\
 Data File : VY001389.D
 Acq On : 24 Jan 2020 17:46
 Operator : SY/MD
 Sample : L1263-01
 Misc : 7.84G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 25 03:52:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	165570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	300438	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	263177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	100831	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	95374	52.94	ug/l	0.00
Spiked Amount						
			Recovery	=	105.88%	
35) Dibromofluoromethane	7.74	113	81759	46.37	ug/l	0.00
Spiked Amount						
			Recovery	=	92.74%	
50) Toluene-d8	10.19	98	352853	51.51	ug/l	0.00
Spiked Amount						
			Recovery	=	103.02%	
62) 4-Bromofluorobenzene	12.49	95	116990	42.88	ug/l	0.00
Spiked Amount						
			Recovery	=	85.76%	

Target Compounds

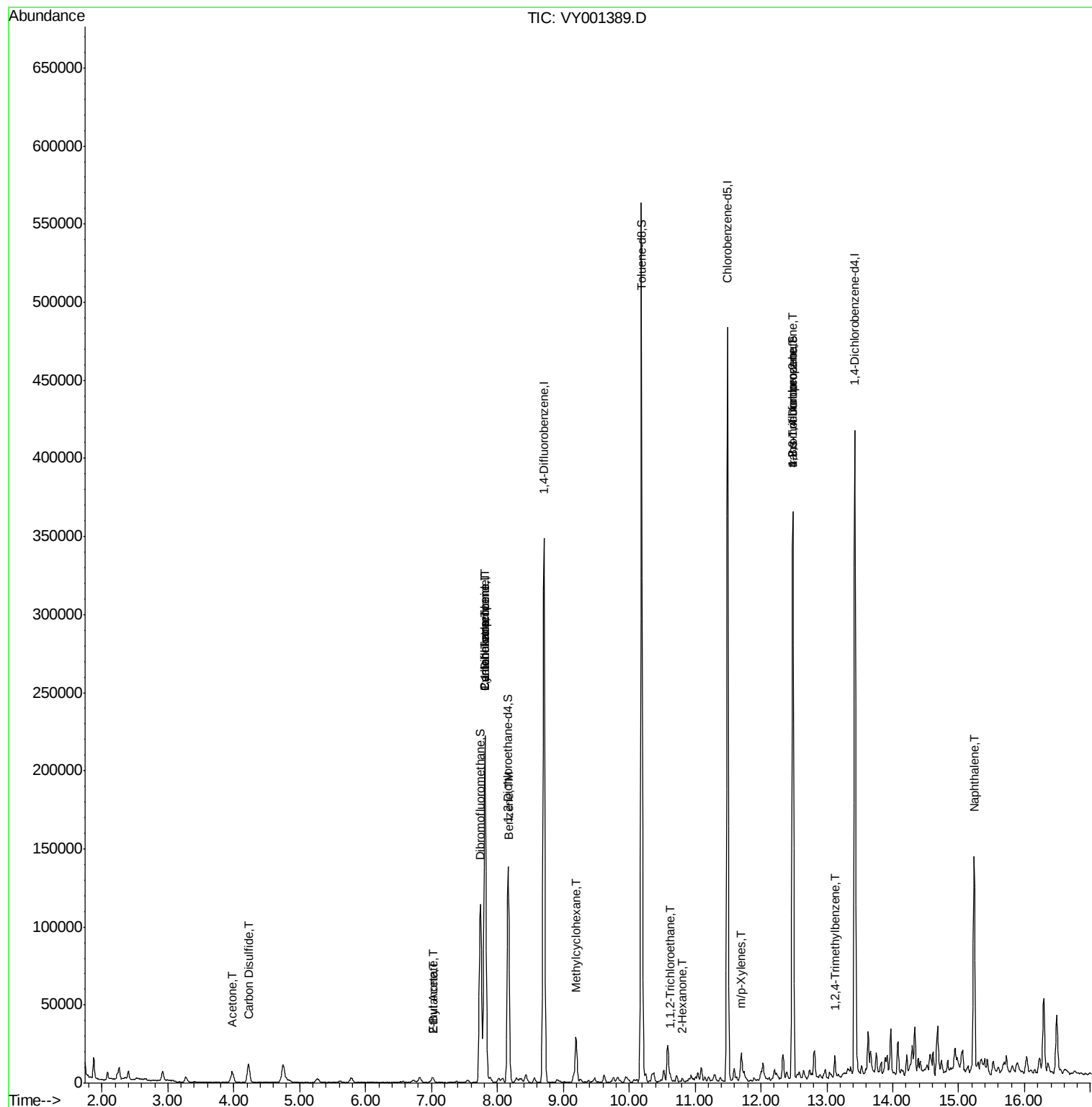
					Qvalue
11) Tert butyl alcohol	4.99	59	316	Below Cal	# 74
13) Acrolein	3.74	56	116	Below Cal	# 1
16) Acetone	3.97	43	10770	15.585	ug/l 98
17) Carbon Disulfide	4.22	76	23641	4.276	ug/l 97
20) Methylene Chloride	4.75	84	7286	Below Cal	# 96
25) 2-Butanone	7.03	43	2358	3.007	ug/l 93
31) Cyclohexane	7.82	56	10923	3.135	ug/l # 56
36) 1,1-Dichloropropene	7.82	75	13295	4.684	ug/l # 50
37) Ethyl Acetate	7.03	43	2358	1.360	ug/l # 80
38) Carbon Tetrachloride	7.82	117	16419	6.491	ug/l # 16
39) Methylcyclohexane	9.19	83	12063	3.318	ug/l 97
40) Benzene	8.18	78	12109	1.423	ug/l 97
55) 1,1,2-Trichloroethane	10.63	97	1727	1.013	ug/l # 19
59) 2-Hexanone	10.80	43	1671	1.382	ug/l # 24
68) m/p-Xylenes	11.70	106	4829	1.265	ug/l 95
76) 1,2,3-Trichloropropane	12.49	75	58936	48.506	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.49	75	58936	91.793	ug/l # 15
84) 1,2,4-Trimethylbenzene	13.12	105	7835	1.175	ug/l 100
95) Naphthalene	15.23	128	109616	22.819	ug/l 99

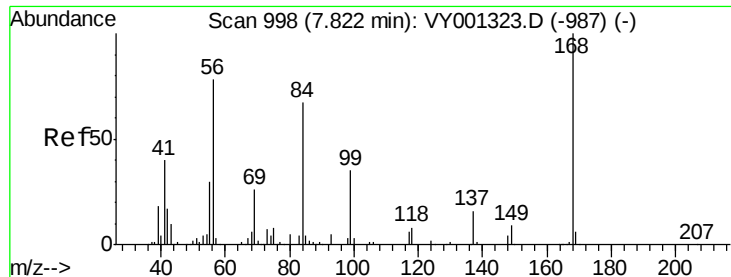
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 23 01:21:47 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.01 min

Lab File: VY001389.D

Acq: 24 Jan 2020 17:46

Instrument :

MSVOA_Y

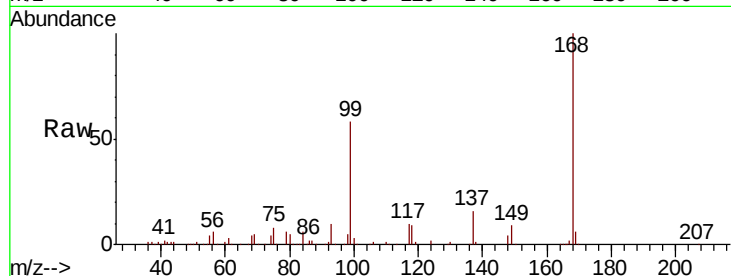
ClientSampleId :

Tot Ion:168 Resp: 165570

Ion Ratio Lower Upper

168 100

99 58.4 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001323.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001323.D (-987) (-)

7.82

80000

60000

40000

20000

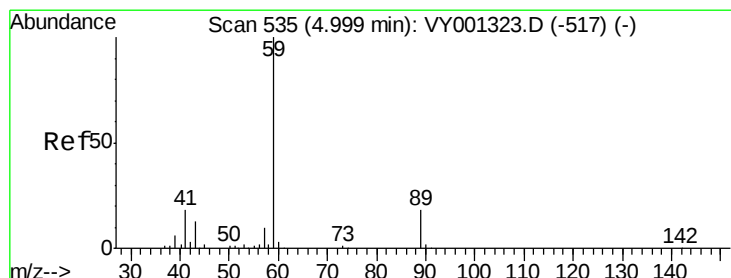
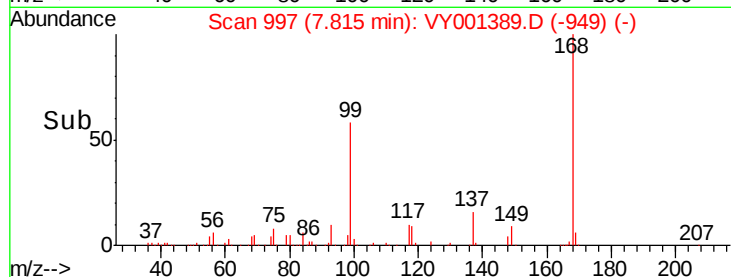
0

Time-->

7.70

7.80

7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 534

Delta R.T. -0.01 min

Lab File: VY001389.D

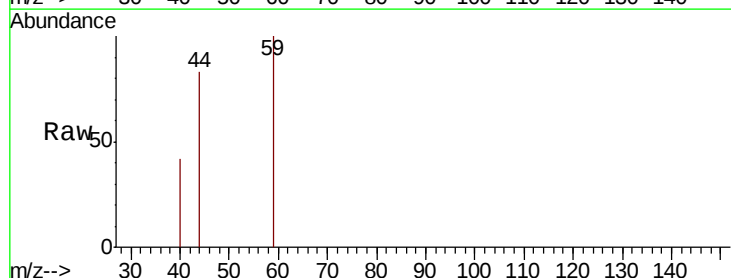
Acq: 24 Jan 2020 17:46

Tgt Ion: 59 Resp: 316

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001323.D (-517) (-)

Ion 57.00 (56.70 to 57.70): VY001323.D (-517) (-)

4.99

200

150

100

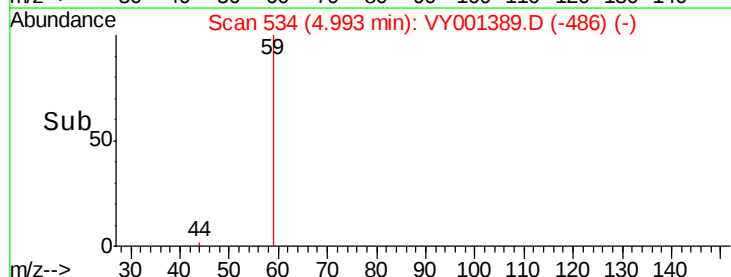
50

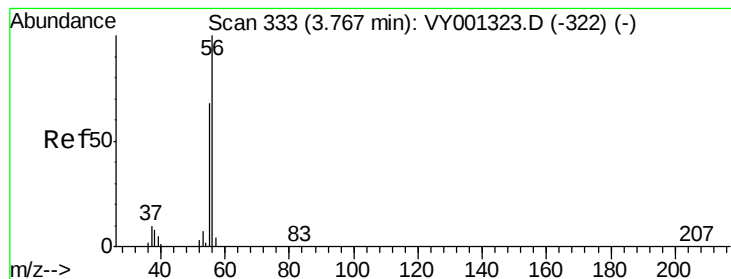
0

Time-->

4.95

5.00





#13

Acrolein

Concen: Below Cal

RT: 3.74 min Scan# 329

Delta R.T. -0.02 min

Lab File: VY001389.D

Acq: 24 Jan 2020 17:46

Instrument :

MSVOA_Y

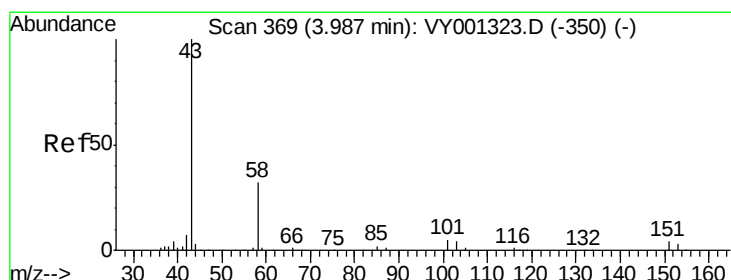
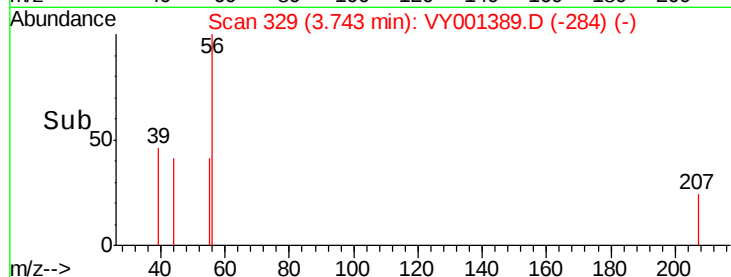
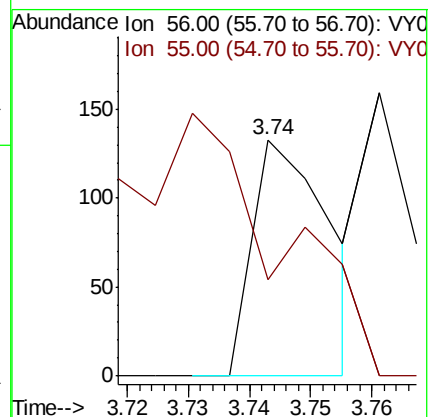
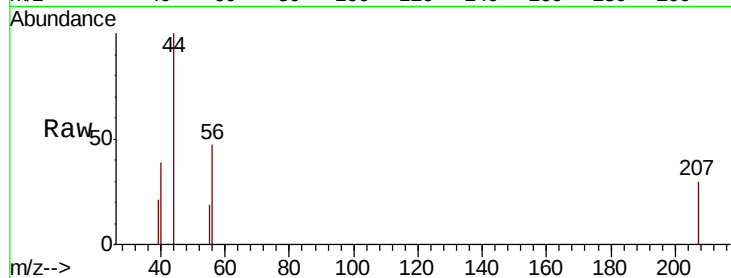
ClientSampleId :

Tot Ion: 56 Resp: 116

Ion Ratio Lower Upper

56 100

55 283.6 55.9 83.9#



#16

Acetone

Concen: 15.585 ug/l

RT: 3.97 min Scan# 367

Delta R.T. -0.01 min

Lab File: VY001389.D

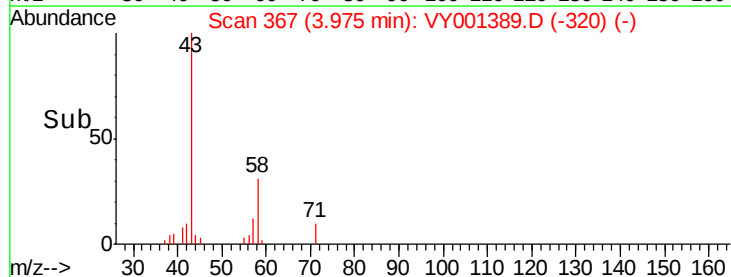
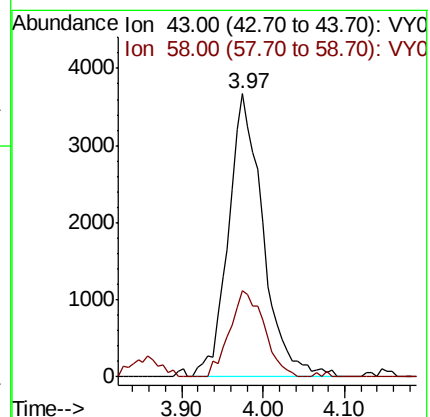
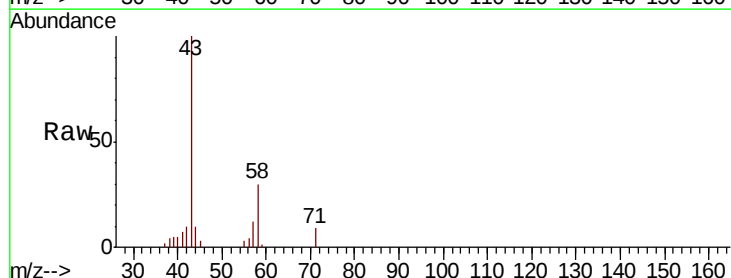
Acq: 24 Jan 2020 17:46

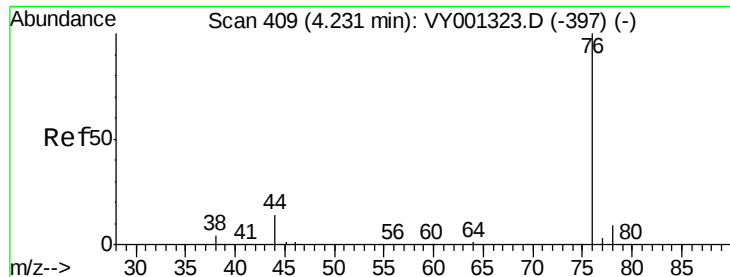
Tgt Ion: 43 Resp: 10770

Ion Ratio Lower Upper

43 100

58 30.5 25.4 38.0

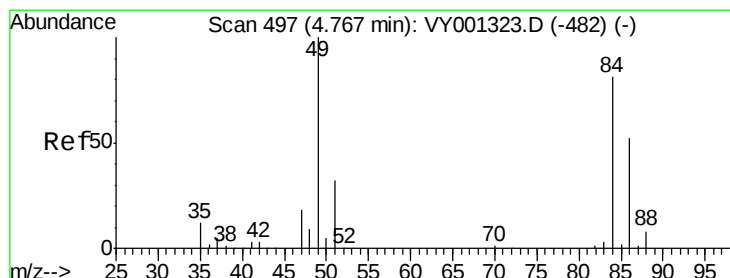
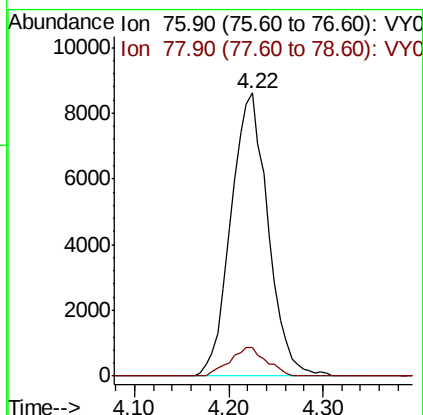
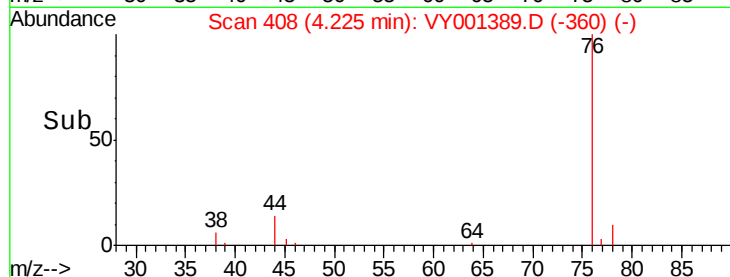
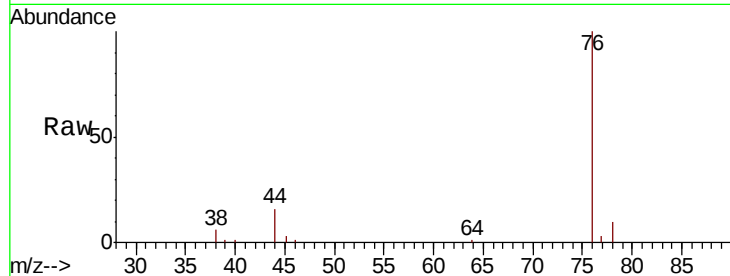




#17
Carbon Disulfide
Concen: 4.276 ug/l
RT: 4.22 min Scan# 408
Delta R.T. -0.01 min
Lab File: VY001389.D
Acq: 24 Jan 2020 17:46

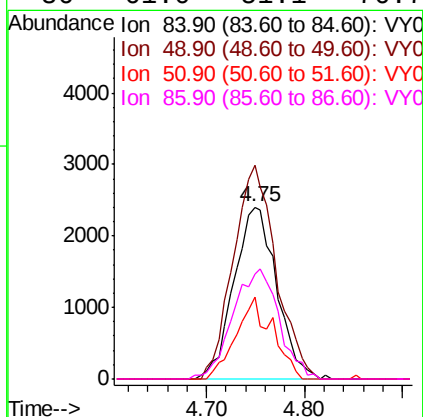
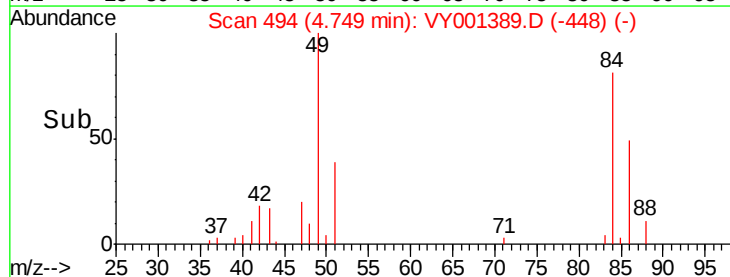
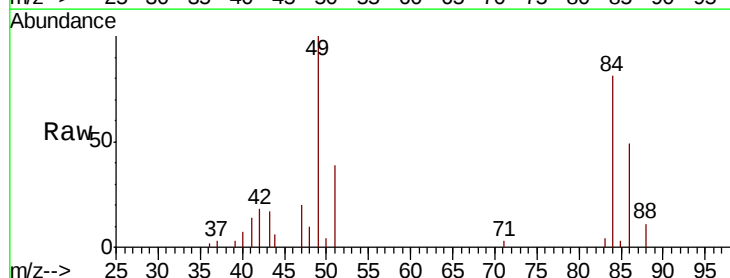
Instrument :
MSVOA_Y
ClientSampleId :

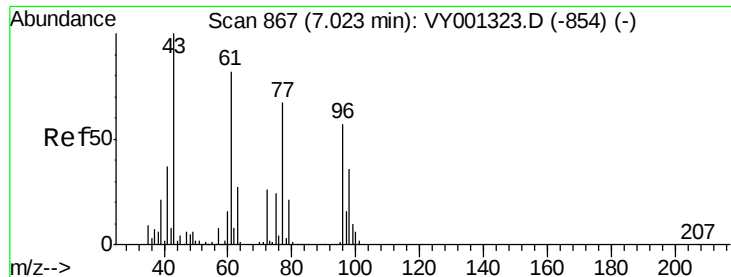
Tot Ion: 76 Resp: 23641
Ion Ratio Lower Upper
76 100
78 10.0 7.0 10.6



#20
Methylene Chloride
Concen: Below Cal
RT: 4.75 min Scan# 494
Delta R.T. -0.02 min
Lab File: VY001389.D
Acq: 24 Jan 2020 17:46

Tgt Ion: 84 Resp: 7286
Ion Ratio Lower Upper
84 100
49 124.1 98.3 147.5
51 48.0 31.6 47.4#
86 61.0 51.1 76.7





#25

2-Butanone

Concen: 3.007 ug/l

RT: 7.03 min Scan# 868

Delta R.T. 0.01 min

Lab File: VY001389.D

Acq: 24 Jan 2020 17:46

Instrument :

MSVOA_Y

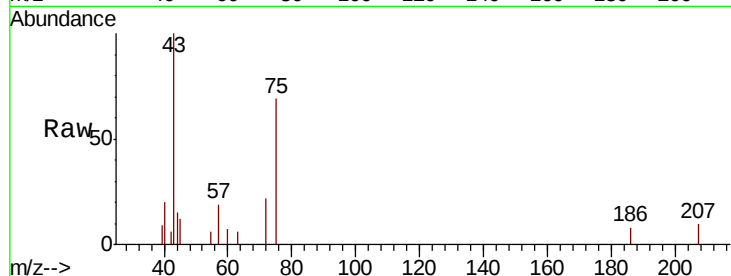
ClientSampleId :

Tot Ion: 43 Resp: 2358

Ion Ratio Lower Upper

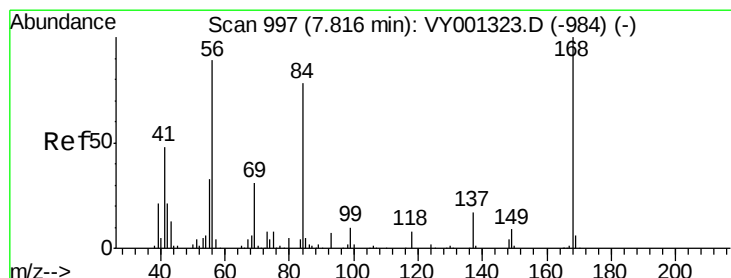
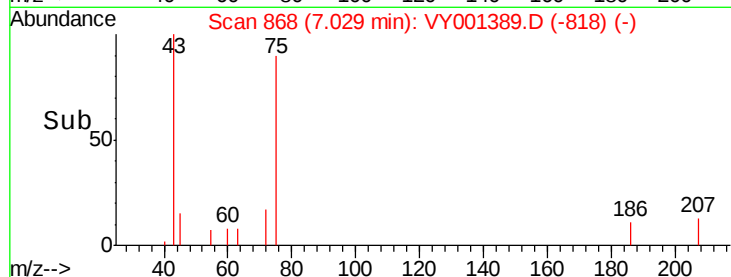
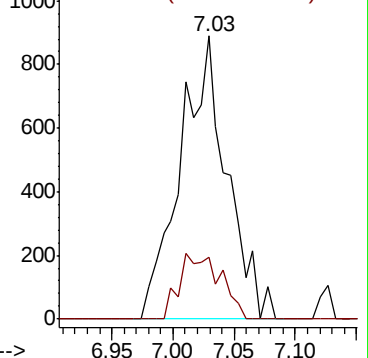
43 100

72 22.0 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#31

Cyclohexane

Concen: 3.135 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.00 min

Lab File: VY001389.D

Acq: 24 Jan 2020 17:46

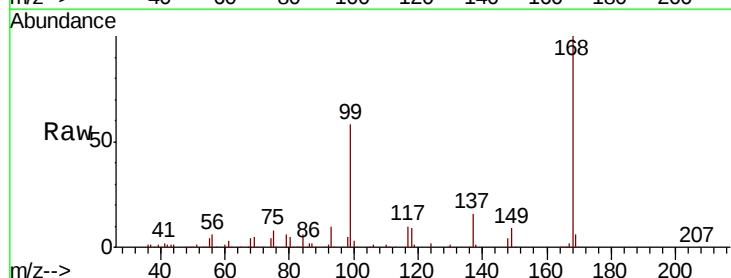
Tgt Ion: 56 Resp: 10923

Ion Ratio Lower Upper

56 100

69 87.1 27.6 41.4#

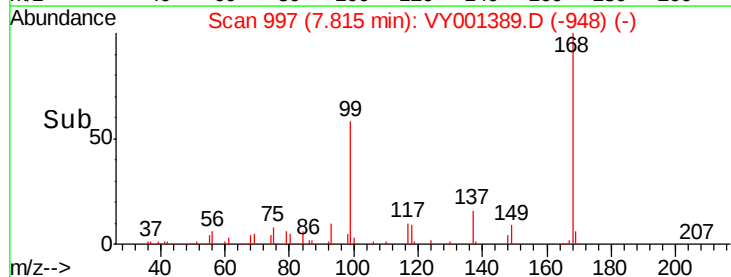
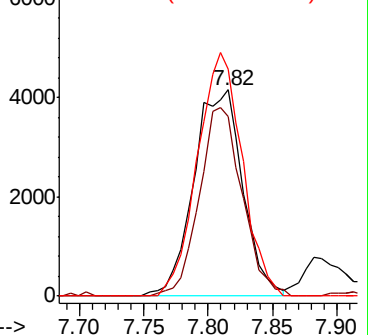
84 110.0 69.7 104.5#

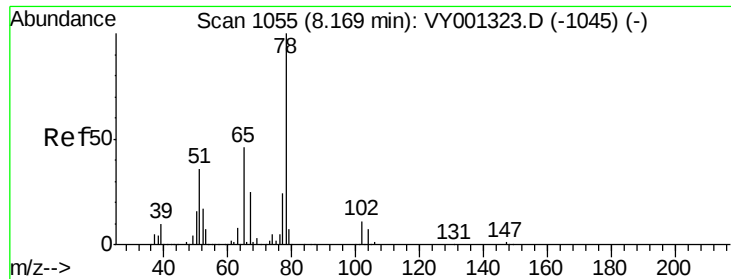


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

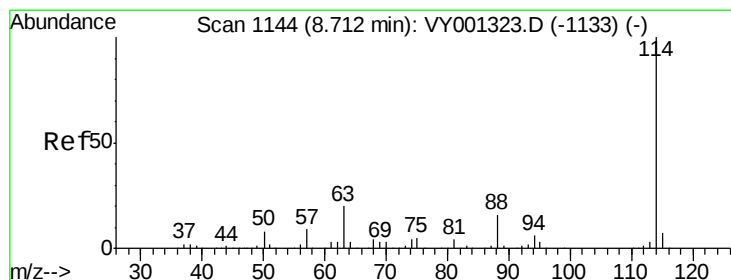
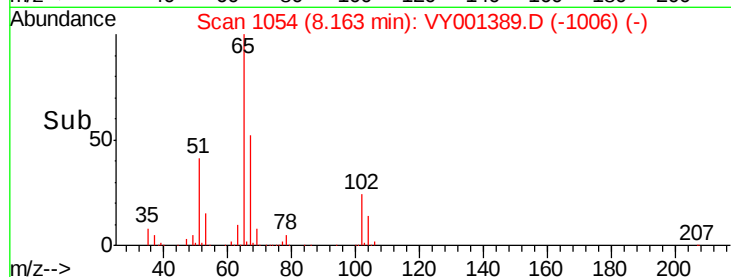
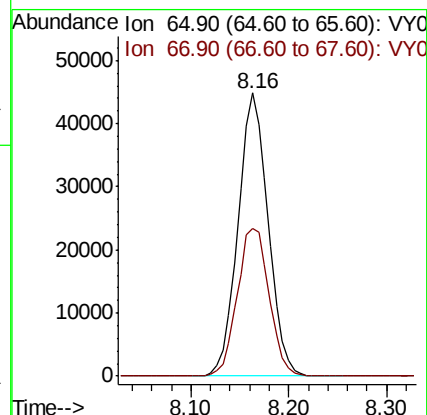
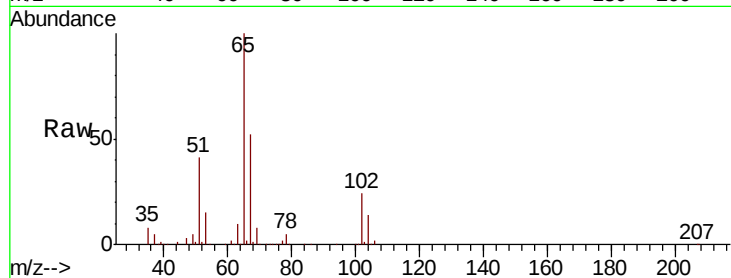




#33
 1,2-Dichloroethane-d4
 Concen: 52.938 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001389.D
 Acq: 24 Jan 2020 17:46

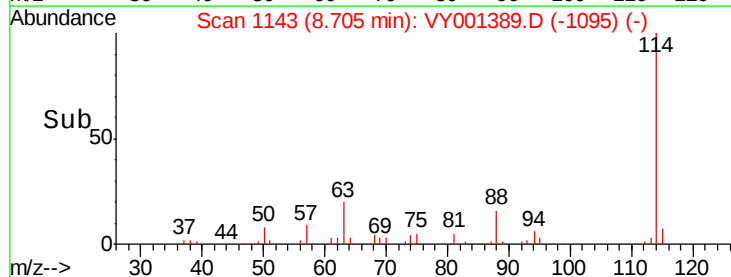
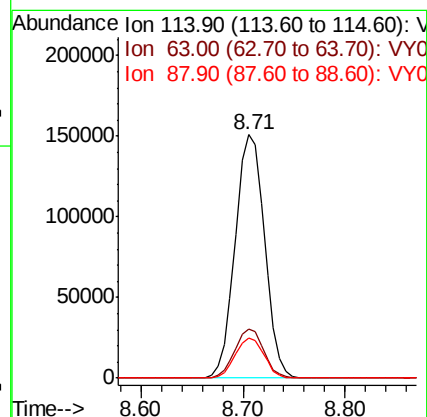
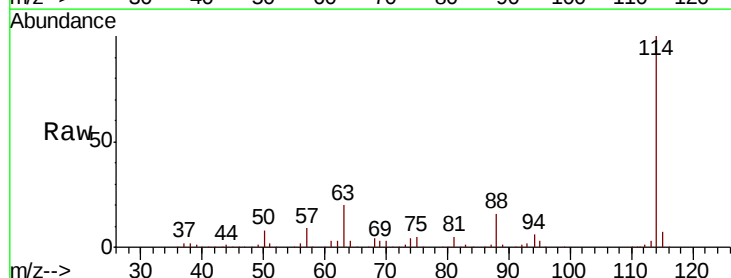
Instrument :
 MSVOA_Y
 ClientSampleId :

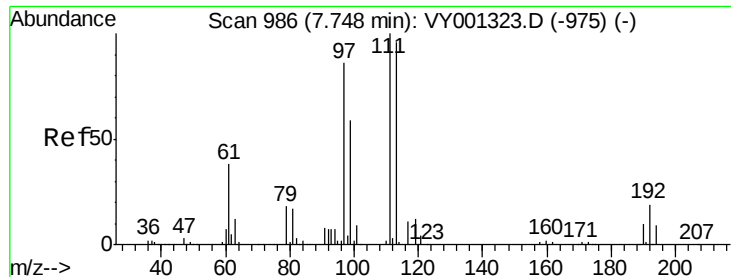
Tot Ion: 65 Resp: 95374
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001389.D
 Acq: 24 Jan 2020 17:46

Tgt Ion: 114 Resp: 300438
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.8
 88 16.3 0.0 31.0

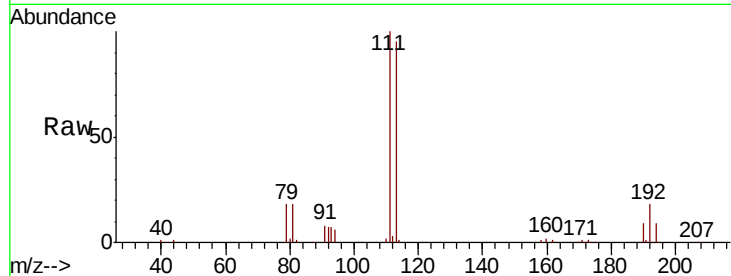




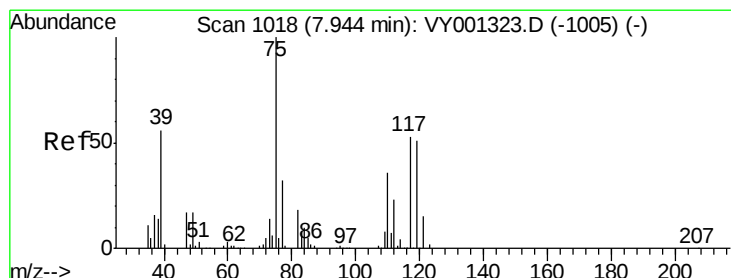
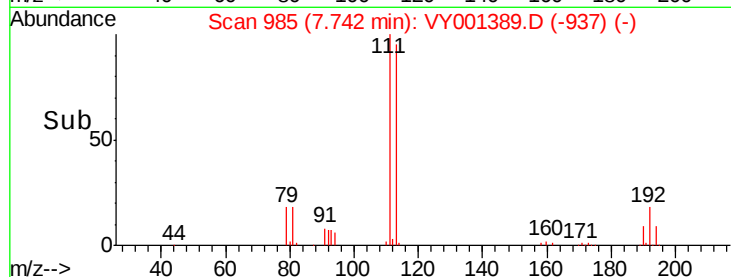
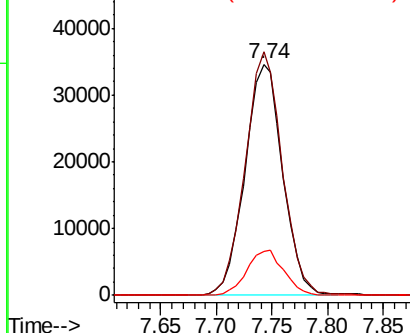
#35
 Dibromofluoromethane
 Concen: 46.367 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY001389.D
 Acq: 24 Jan 2020 17:46

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 81759
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.8 124.2
 192 19.0 15.5 23.3

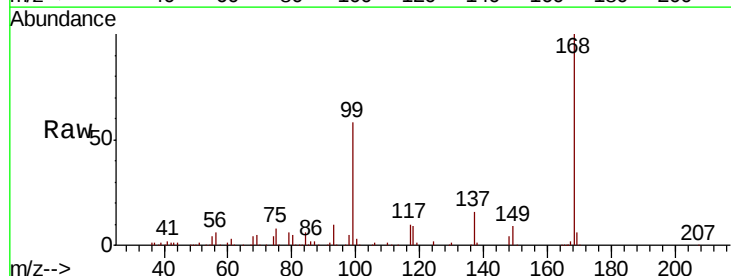


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

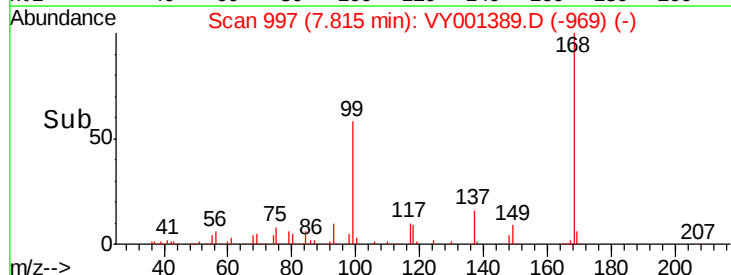
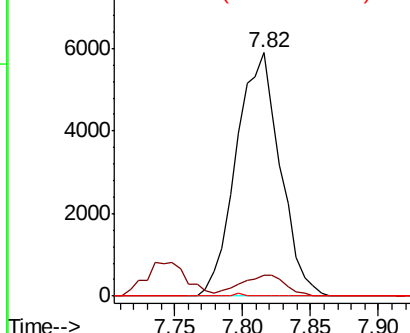


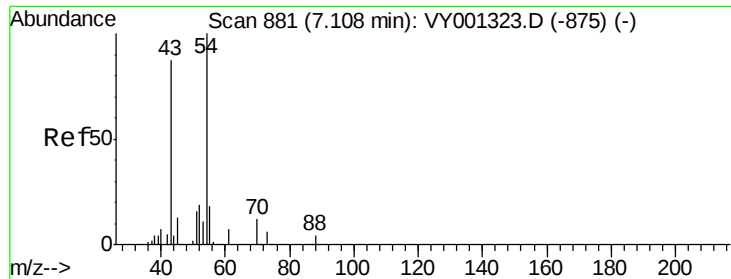
#36
 1,1-Dichloropropene
 Concen: 4.684 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001389.D
 Acq: 24 Jan 2020 17:46

Tgt Ion: 75 Resp: 13295
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.6 52.8#
 77 0.0 24.7 37.1#



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

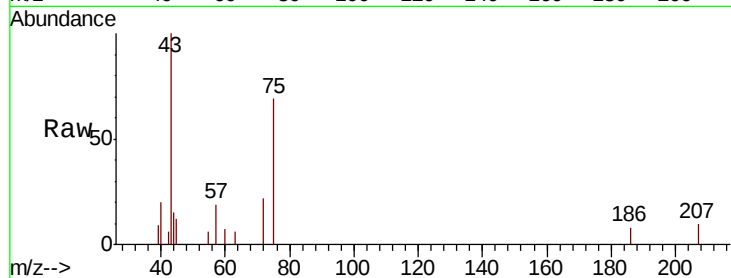




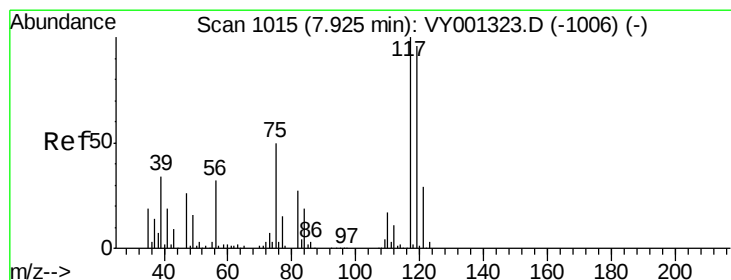
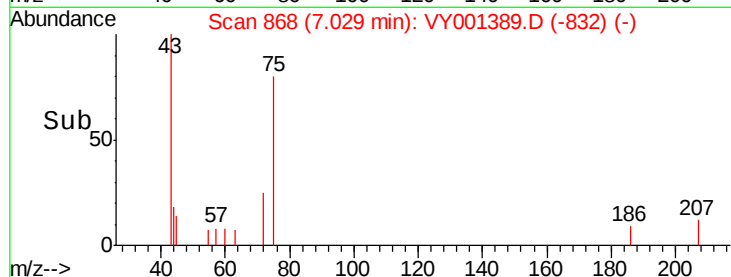
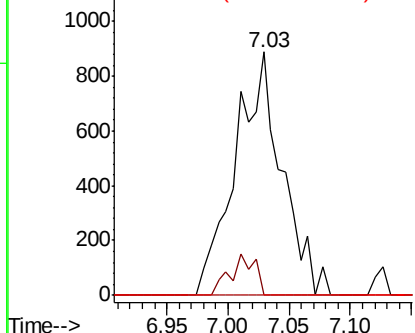
#37
Ethyl Acetate
Concen: 1.360 ug/l
RT: 7.03 min Scan# 868
Delta R.T. -0.08 min
Lab File: VY001389.D
Acq: 24 Jan 2020 17:46

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 2358
Ion Ratio Lower Upper
43 100
61 8.9 11.3 16.9#
70 0.0 8.7 13.1#

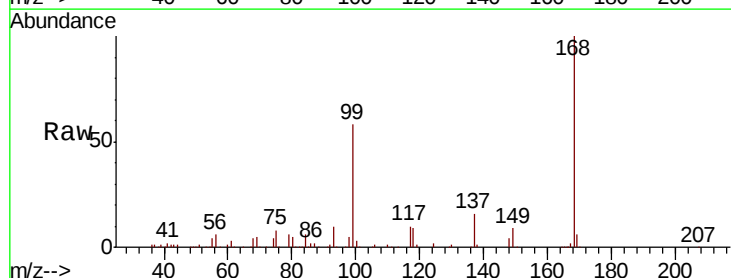


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

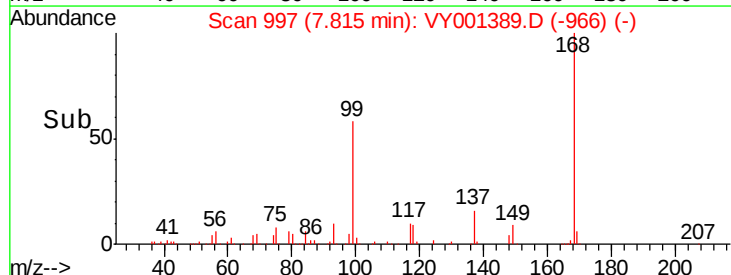
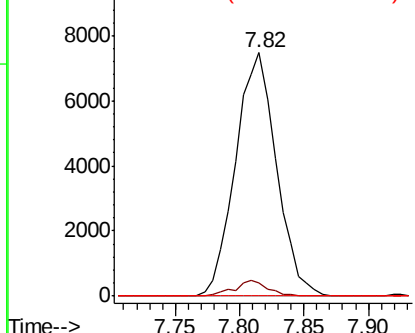


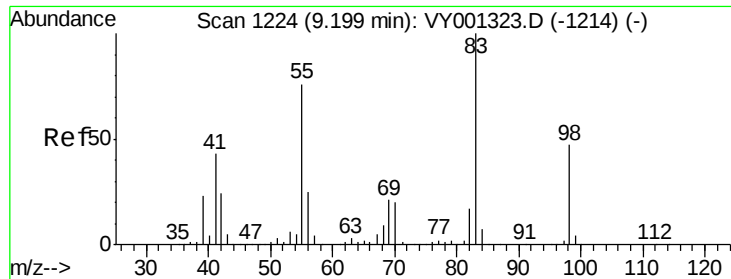
#38
Carbon Tetrachloride
Concen: 6.491 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.11 min
Lab File: VY001389.D
Acq: 24 Jan 2020 17:46

Tgt Ion: 117 Resp: 16419
Ion Ratio Lower Upper
117 100
119 5.3 76.3 114.5#
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

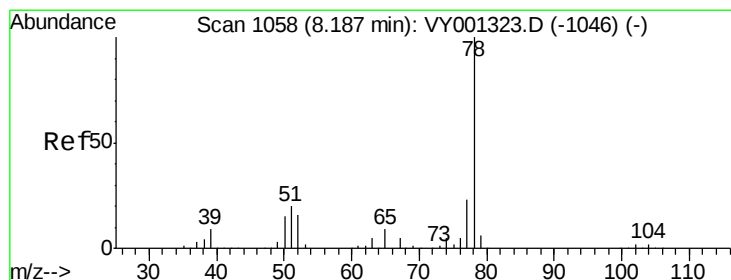
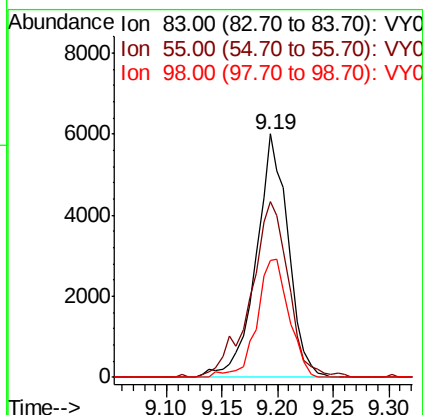
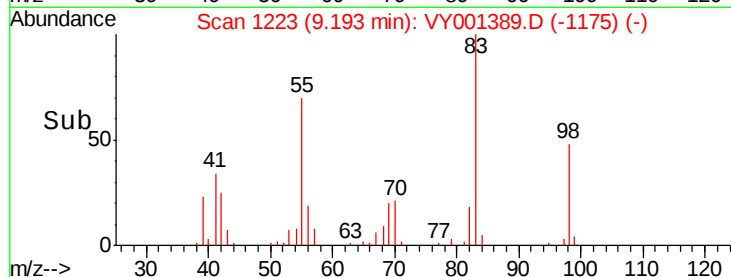
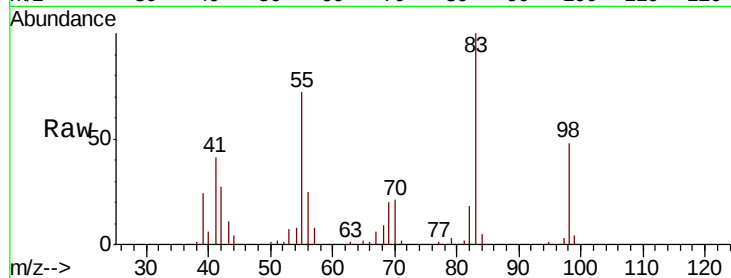




#39
Methvlcvclohexane
Concen: 3.318 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY001389.D
Acq: 24 Jan 2020 17:46

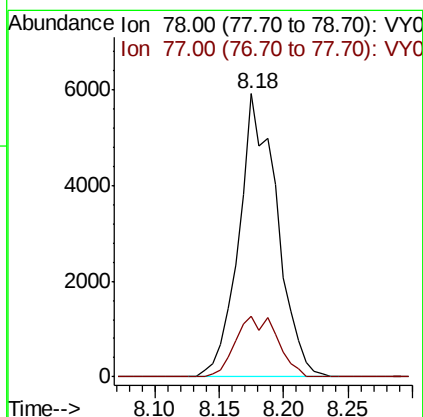
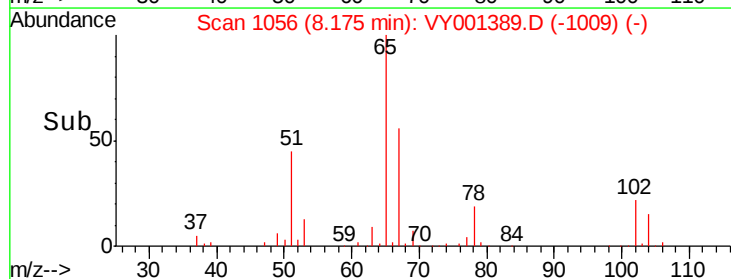
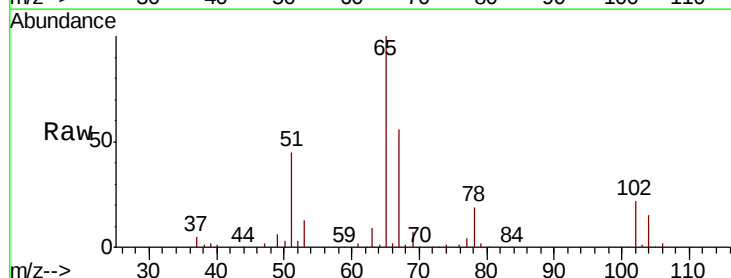
Instrument :
MSVOA_Y
ClientSampled :

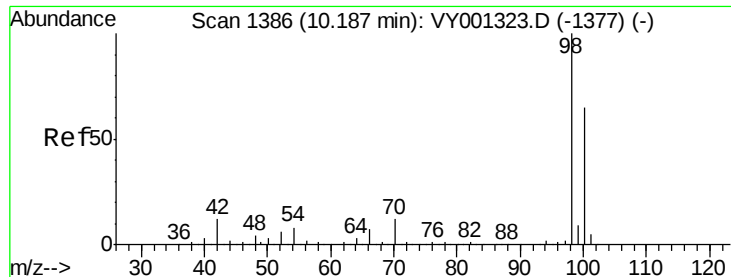
Tot Ion: 83 Resp: 12063
Ion Ratio Lower Upper
83 100
55 72.0 60.7 91.1
98 48.3 37.8 56.8



#40
Benzene
Concen: 1.423 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY001389.D
Acq: 24 Jan 2020 17:46

Tgt Ion: 78 Resp: 12109
Ion Ratio Lower Upper
78 100
77 21.6 18.6 27.8





#50

Toluene-d8

Concen: 51.505 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY001389.D

Acq: 24 Jan 2020 17:46

Instrument :

MSVOA_Y

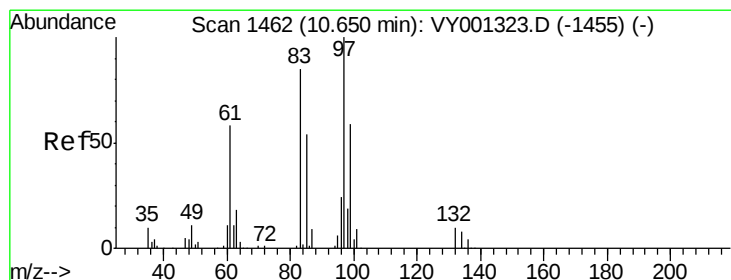
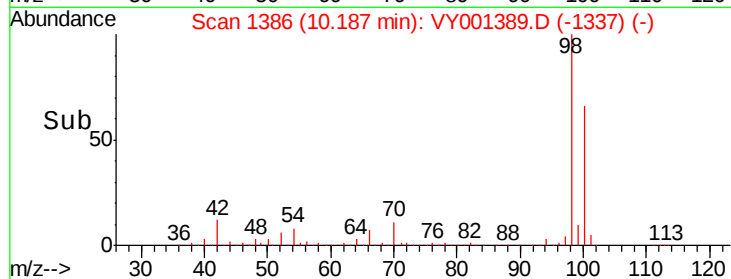
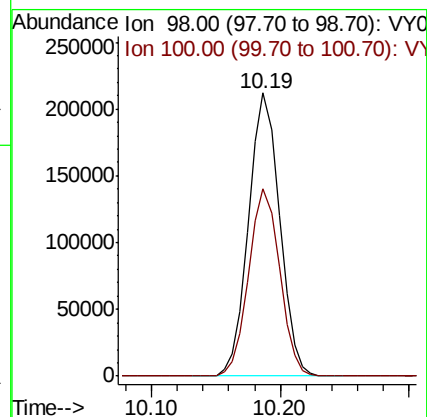
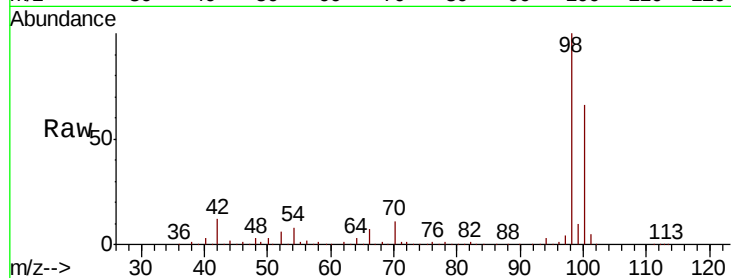
ClientSampleId :

Tot Ion: 98 Resp: 352853

Ion Ratio Lower Upper

98 100

100 65.9 52.6 79.0



#55

1,1,2-Trichloroethane

Concen: 1.013 ug/l

RT: 10.63 min Scan# 1458

Delta R.T. -0.02 min

Lab File: VY001389.D

Acq: 24 Jan 2020 17:46

Tgt Ion: 97 Resp: 1727

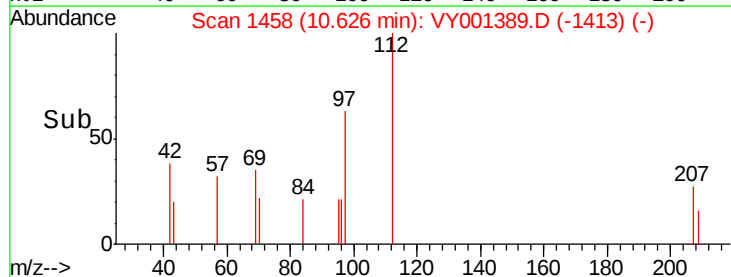
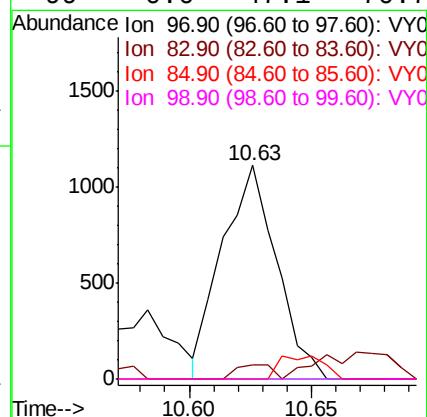
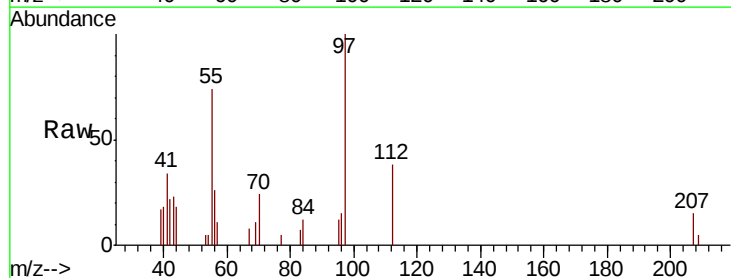
Ion Ratio Lower Upper

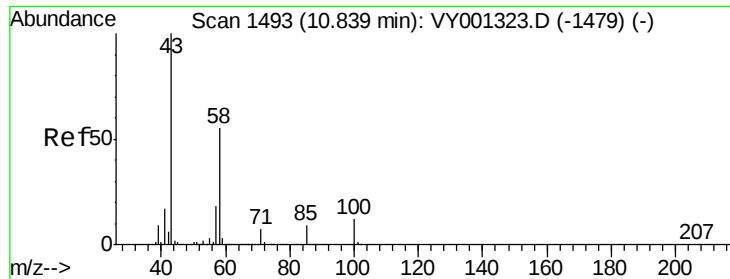
97 100

83 6.6 68.0 102.0#

85 0.0 43.6 65.4#

99 0.0 47.1 70.7#





#59

2-Hexanone

Concen: 1.382 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. -0.04 min

Lab File: VY001389.D

Acq: 24 Jan 2020 17:46

Instrument :

MSVOA_Y

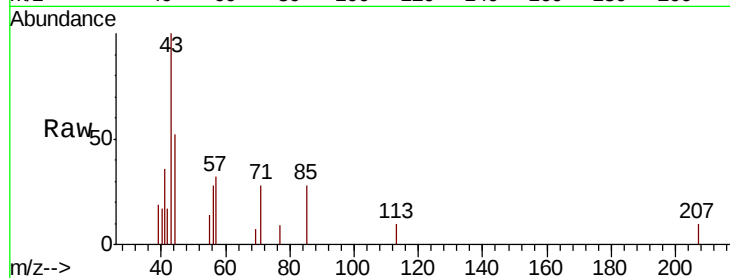
ClientSampleId :

Tot Ion: 43 Resp: 1671

Ion Ratio Lower Upper

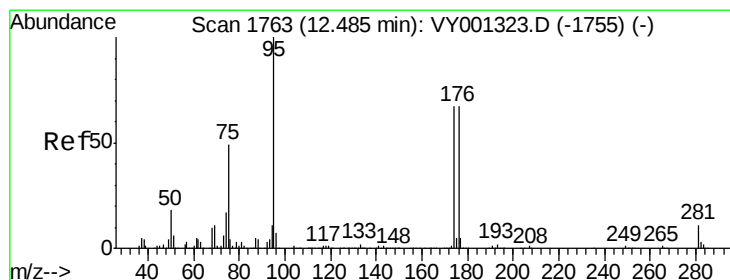
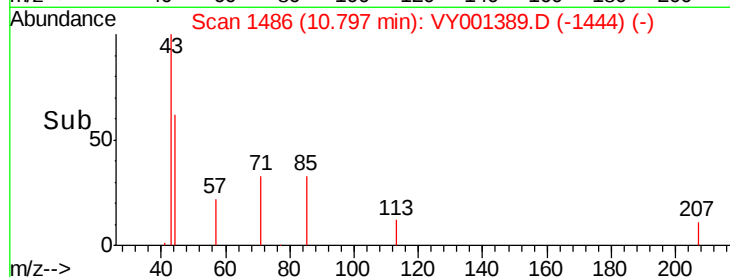
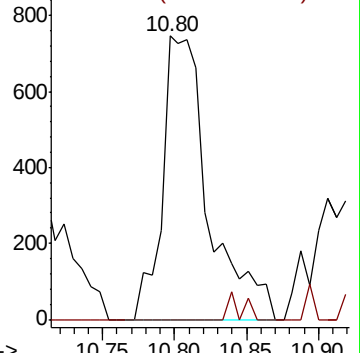
43 100

58 0.0 27.6 82.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 42.882 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY001389.D

Acq: 24 Jan 2020 17:46

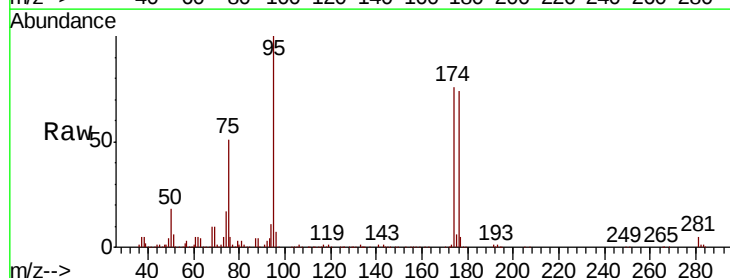
Tgt Ion: 95 Resp: 116990

Ion Ratio Lower Upper

95 100

174 74.5 0.0 142.0

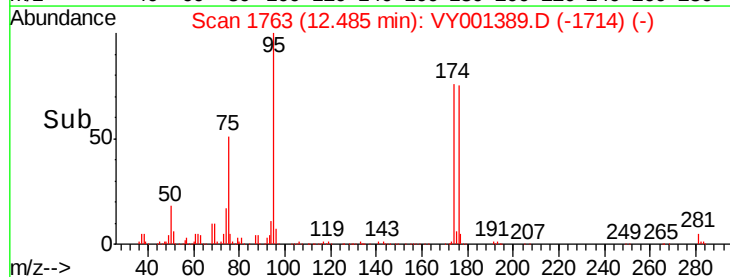
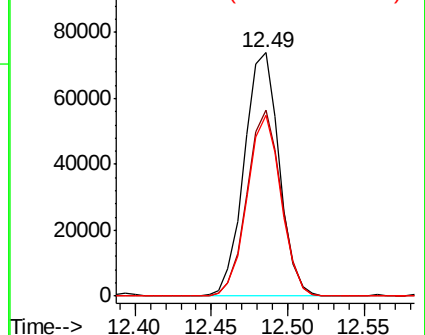
176 72.3 0.0 138.6

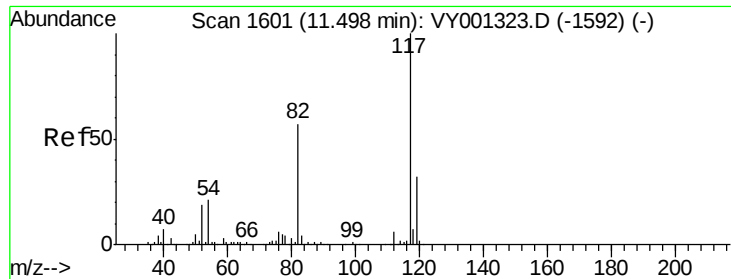


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

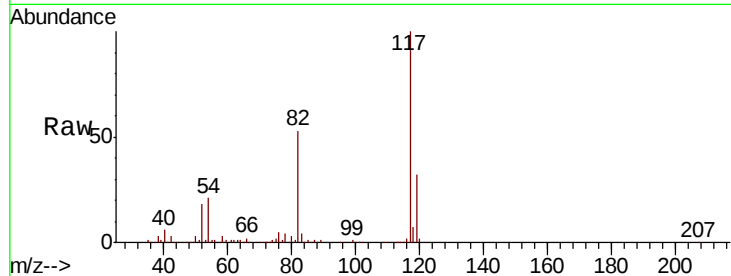




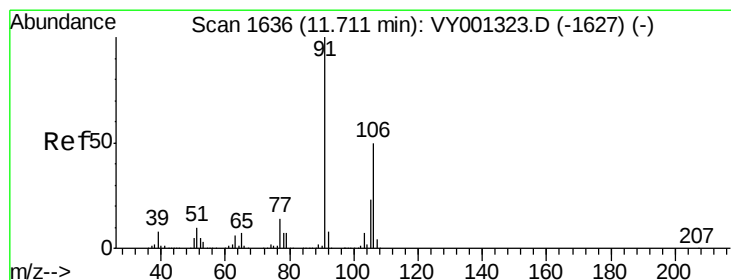
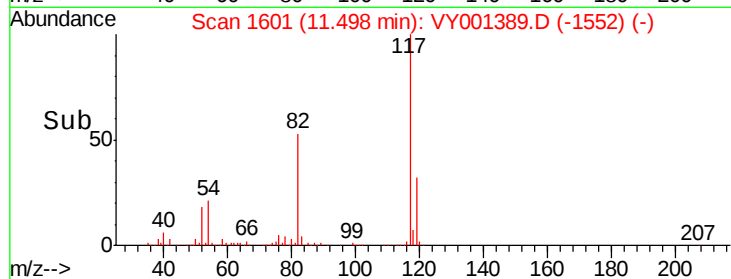
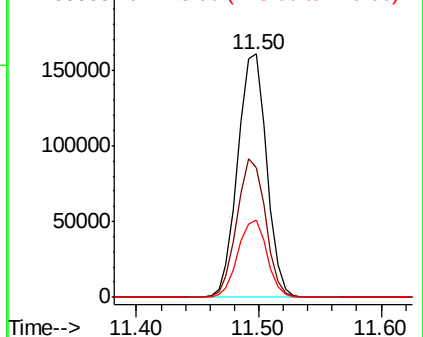
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY001389.D
Acq: 24 Jan 2020 17:46

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 263177
Ion Ratio Lower Upper
117 100
82 53.5 45.5 68.3
119 31.8 25.8 38.6

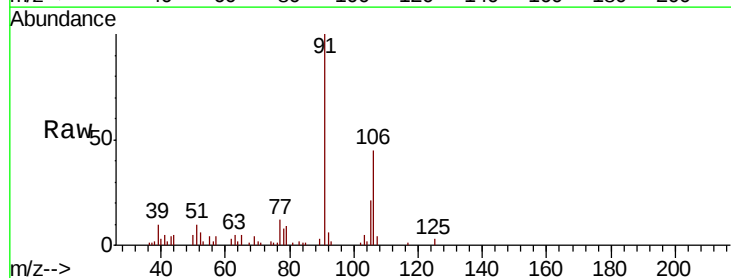


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

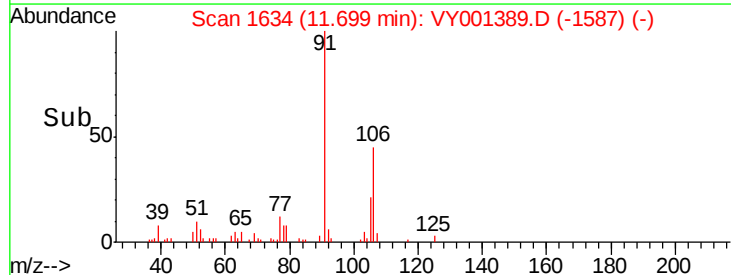
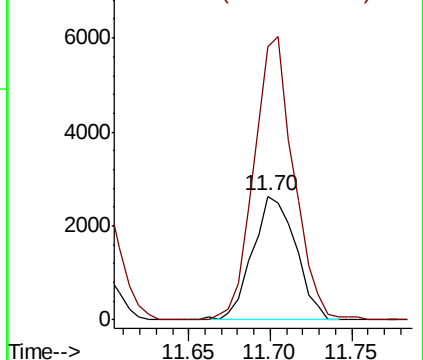


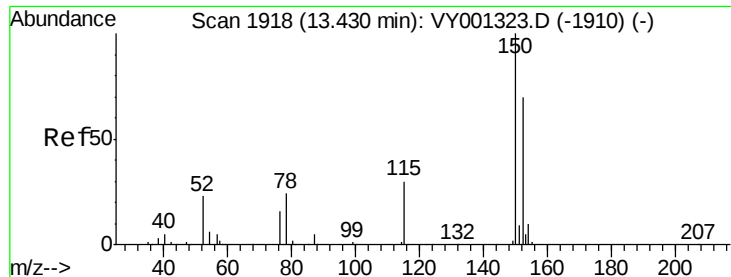
#68
m/p-Xylenes
Concen: 1.265 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VY001389.D
Acq: 24 Jan 2020 17:46

Tgt Ion:106 Resp: 4829
Ion Ratio Lower Upper
106 100
91 211.4 162.8 244.2



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



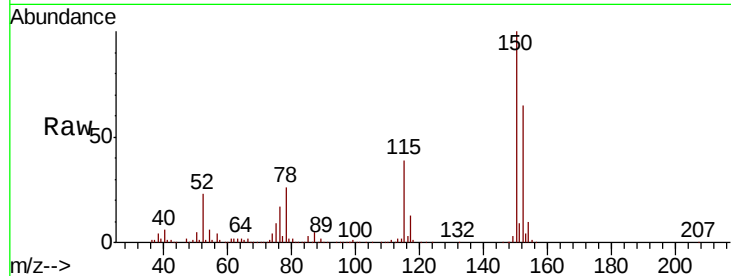


#72

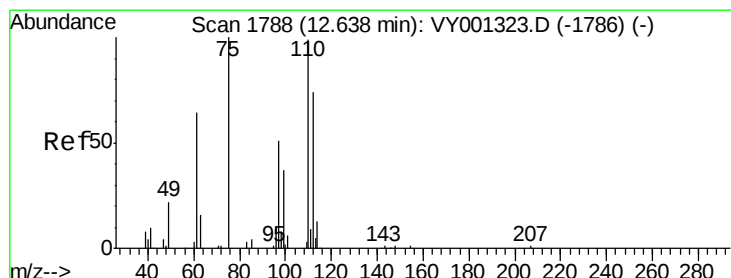
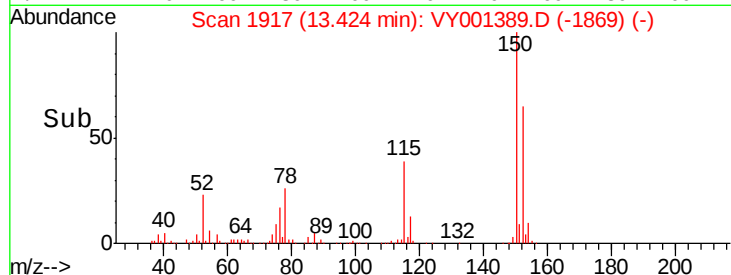
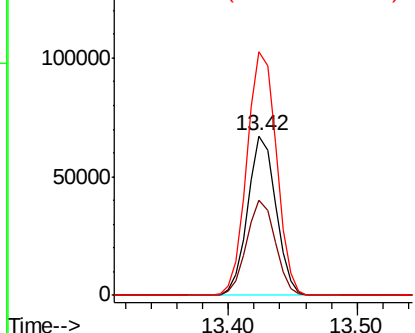
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY001389.D
Acq: 24 Jan 2020 17:46

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 100831
Ion Ratio Lower Upper
152 100
115 61.2 30.9 92.8
150 160.0 0.0 349.2



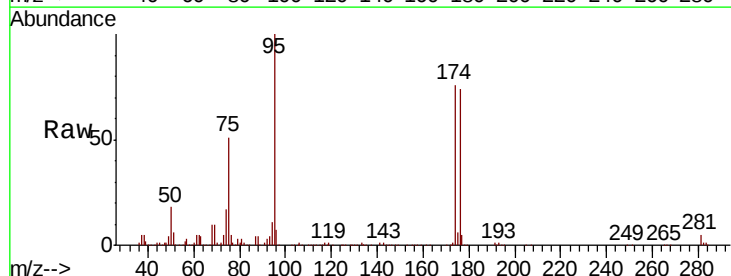
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



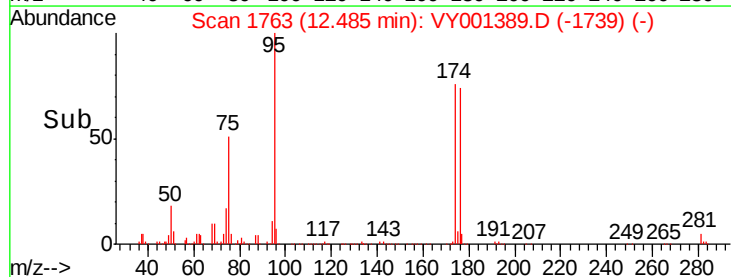
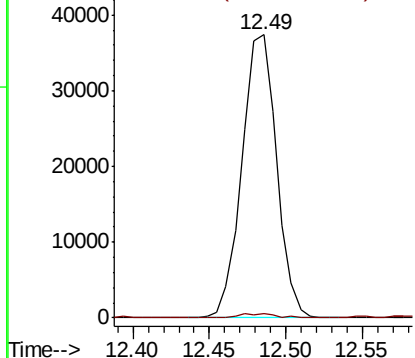
#76

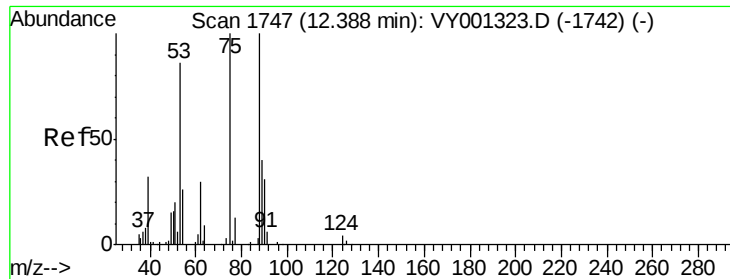
1,2,3-Trichloropropane
Concen: 48.506 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.15 min
Lab File: VY001389.D
Acq: 24 Jan 2020 17:46

Tgt Ion: 75 Resp: 58936
Ion Ratio Lower Upper
75 100
77 1.7 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: 91.793 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001389.D

Acq: 24 Jan 2020 17:46

Instrument :

MSVOA_Y

ClientSampleId :

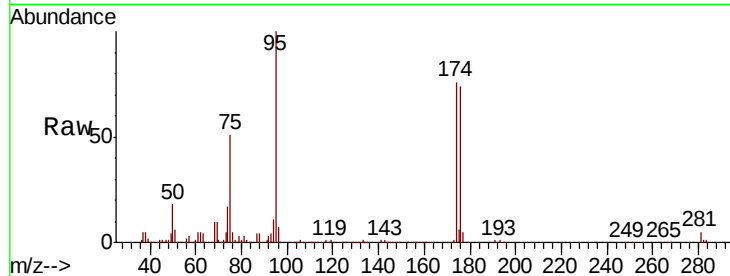
Tot Ion: 75 Resp: 58936

Ion Ratio Lower Upper

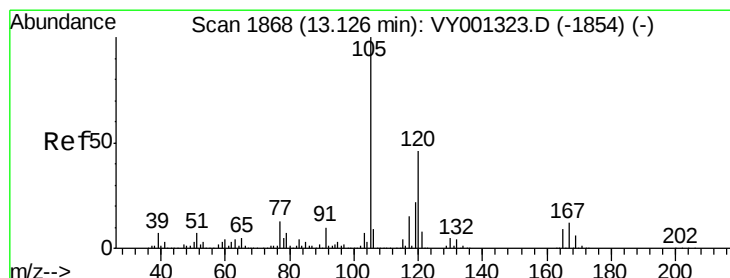
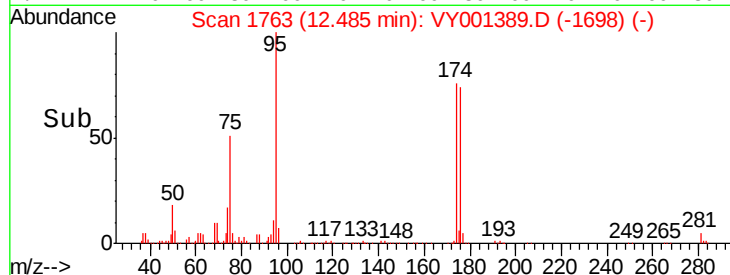
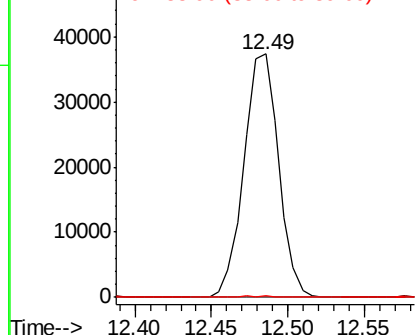
75 100

53 0.1 69.9 104.9#

89 0.5 36.6 54.8#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.175 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.01 min

Lab File: VY001389.D

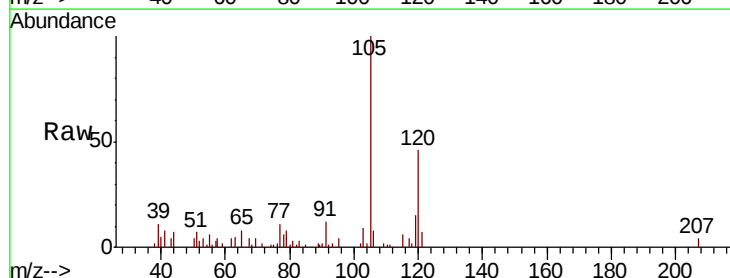
Acq: 24 Jan 2020 17:46

Tgt Ion:105 Resp: 7835

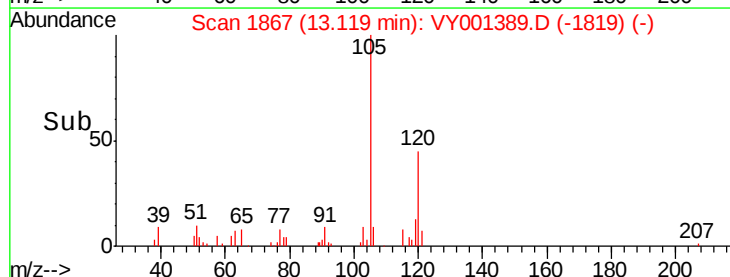
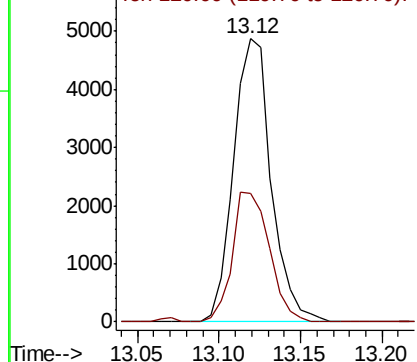
Ion Ratio Lower Upper

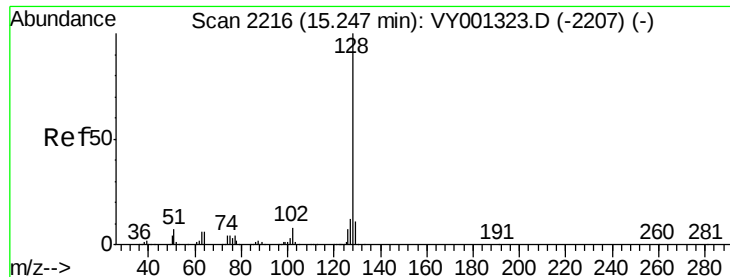
105 100

120 45.0 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

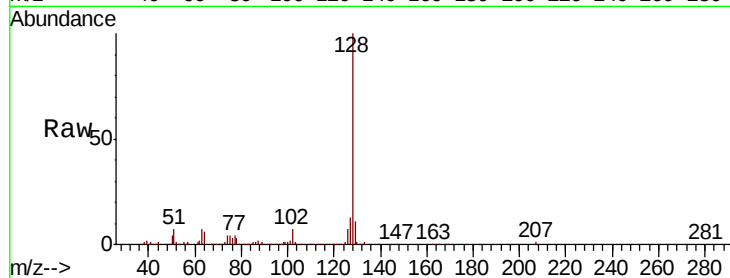




#95
 Naphthalene
 Concen: 22.819 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. -0.01 min
 Lab File: VY001389.D
 Acq: 24 Jan 2020 17:46

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.7	8.7	13.1



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

