

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012420\
 Data File : VY001391.D
 Acq On : 24 Jan 2020 18:31
 Operator : SY/MD
 Sample : L1263-03
 Misc : 7.01G/5ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 25 03:52:25 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	133713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	236341	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	202019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	83728	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	70197	48.25	ug/l	0.00
Spiked Amount						
			Recovery	=	96.50%	
35) Dibromofluoromethane	7.74	113	62945	45.38	ug/l	0.00
Spiked Amount						
			Recovery	=	90.76%	
50) Toluene-d8	10.19	98	277807	51.55	ug/l	0.00
Spiked Amount						
			Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.49	95	91476	42.62	ug/l	0.00
Spiked Amount						
			Recovery	=	85.24%	

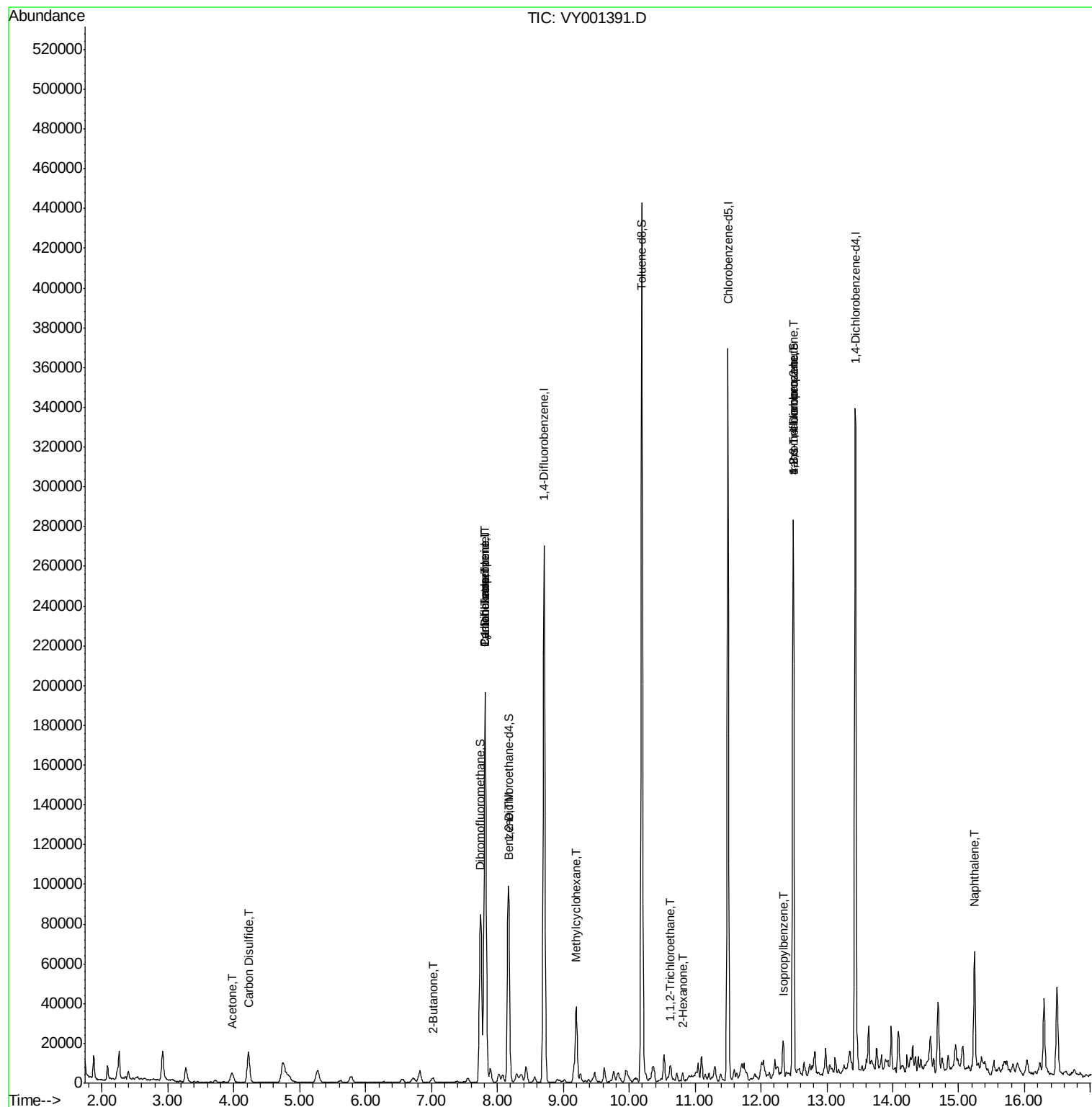
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	136	Below Cal	#	74
13) Acrolein	3.76	56	54	Below Cal	#	15
16) Acetone	3.97	43	7011	11.047	ug/l	99
17) Carbon Disulfide	4.22	76	30705	6.877	ug/l	100
20) Methylene Chloride	4.75	84	5699	Below Cal		95
25) 2-Butanone	7.03	43	1770	2.795	ug/l	97
31) Cyclohexane	7.81	56	18373	6.530	ug/l #	82
36) 1,1-Dichloropropene	7.82	75	10628	4.760	ug/l #	52
38) Carbon Tetrachloride	7.82	117	12519	6.291	ug/l #	15
39) Methylcyclohexane	9.20	83	15277	5.341	ug/l	97
40) Benzene	8.18	78	14314	2.138	ug/l	100
55) 1,1,2-Trichloroethane	10.63	97	3264	2.434	ug/l #	21
59) 2-Hexanone	10.81	43	2155	2.266	ug/l #	27
73) Isopropylbenzene	12.34	105	9537	1.444	ug/l	99
76) 1,2,3-Trichloropropane	12.49	75	46085	45.677	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	46085	86.439	ug/l #	14
95) Naphthalene	15.24	128	46514	11.661	ug/l	99

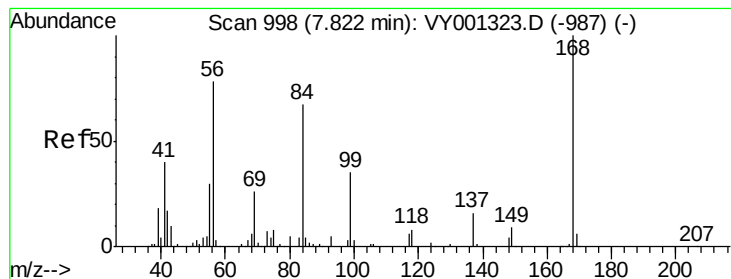
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
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: VY001391.D

Acq: 24 Jan 2020 18:31

Instrument :

MSVOA_Y

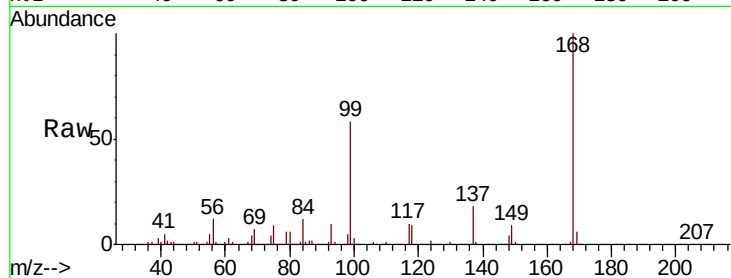
ClientSampleId :

Tot Ion:168 Resp: 133713

Ion Ratio Lower Upper

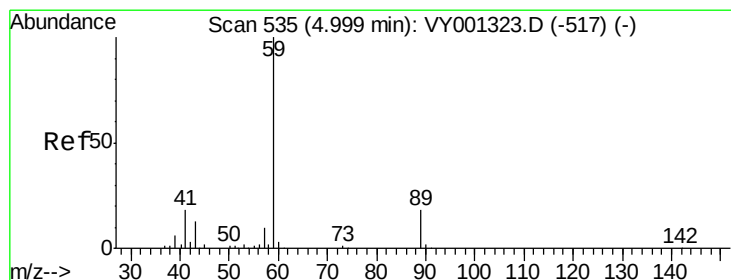
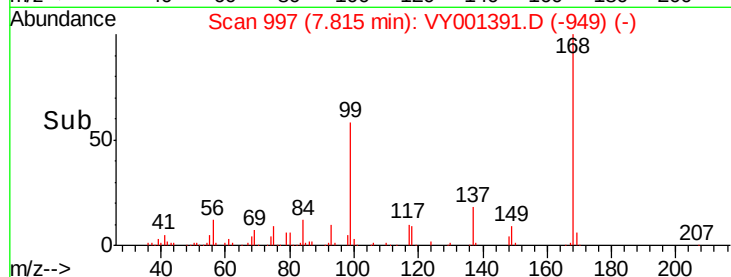
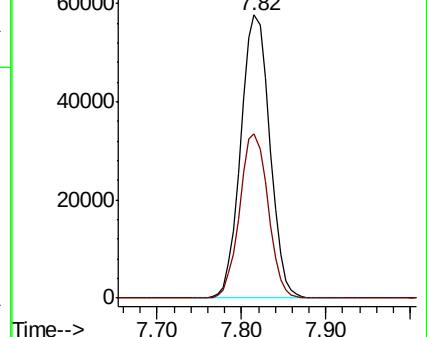
168 100

99 58.1 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) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 533

Delta R.T. -0.01 min

Lab File: VY001391.D

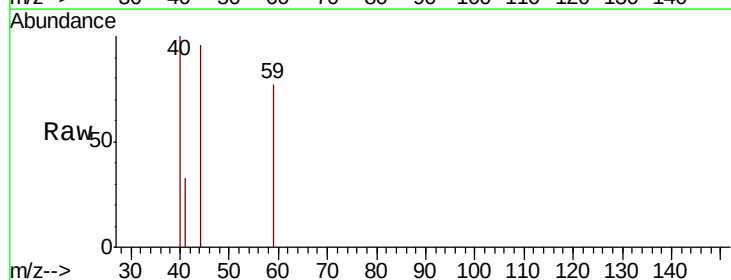
Acq: 24 Jan 2020 18:31

Tgt Ion: 59 Resp: 136

Ion Ratio Lower Upper

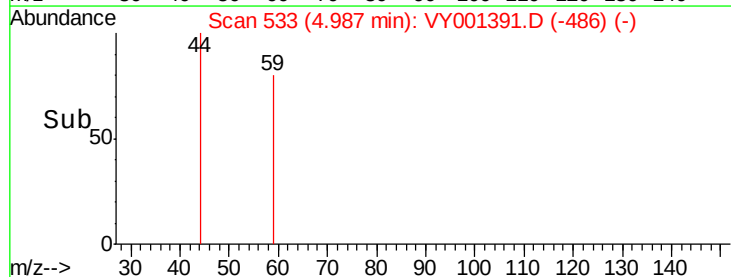
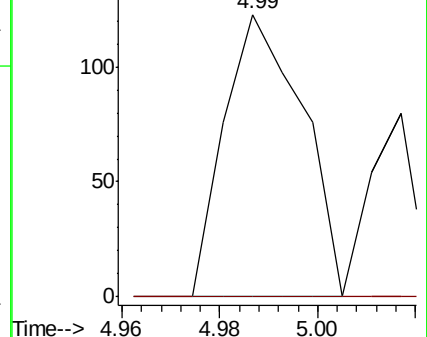
59 100

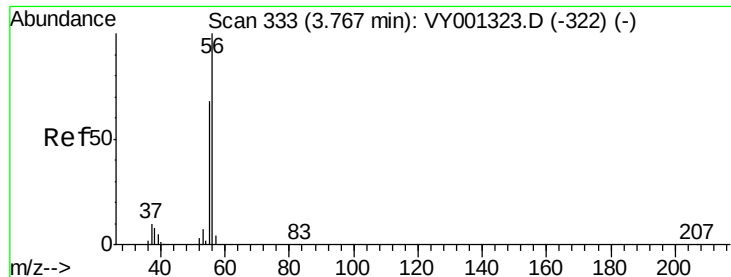
57 0.0 7.4 11.2#



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

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





#13

Acrolein

Concen: Below Cal

RT: 3.76 min Scan# 331

Delta R.T. -0.01 min

Lab File: VY001391.D

Acq: 24 Jan 2020 18:31

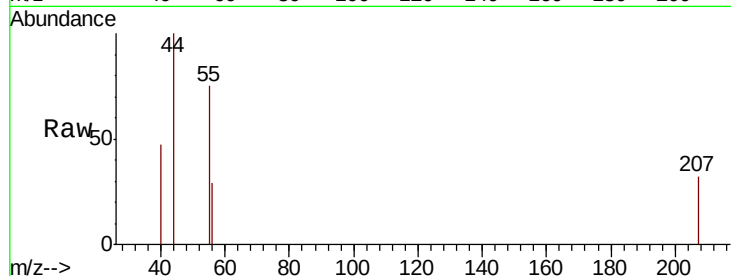
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 54

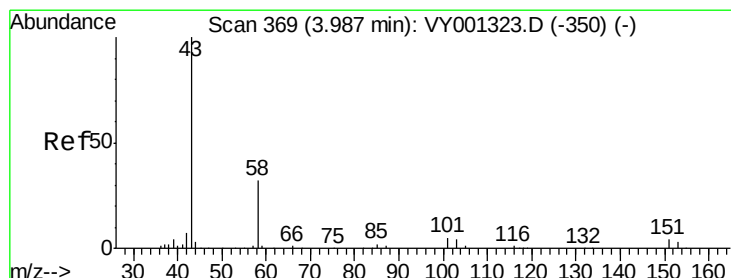
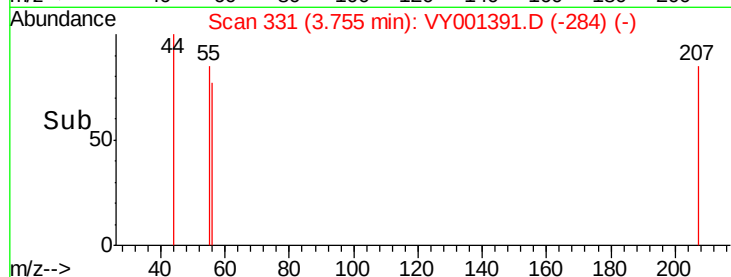
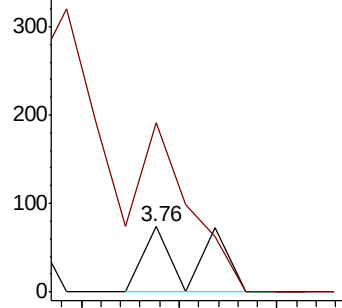
Ion Ratio Lower Upper

56 100

55 0.0 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 55.00 (54.70 to 55.70): VY0



#16

Acetone

Concen: 11.047 ug/l

RT: 3.97 min Scan# 367

Delta R.T. -0.01 min

Lab File: VY001391.D

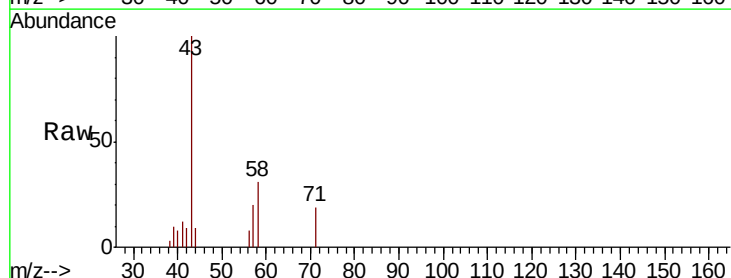
Acq: 24 Jan 2020 18:31

Tgt Ion: 43 Resp: 7011

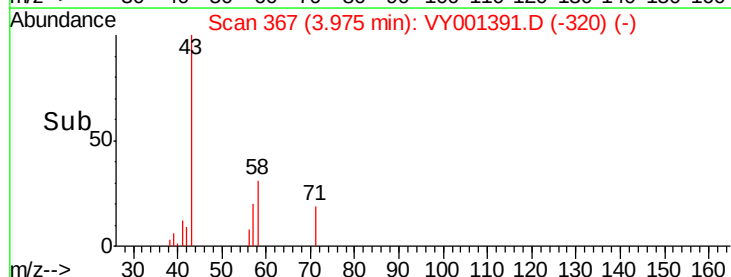
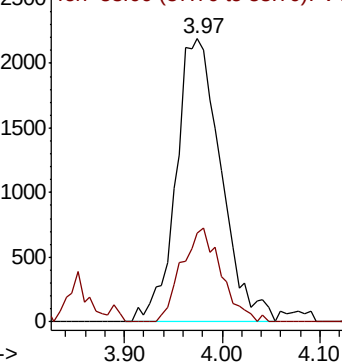
Ion Ratio Lower Upper

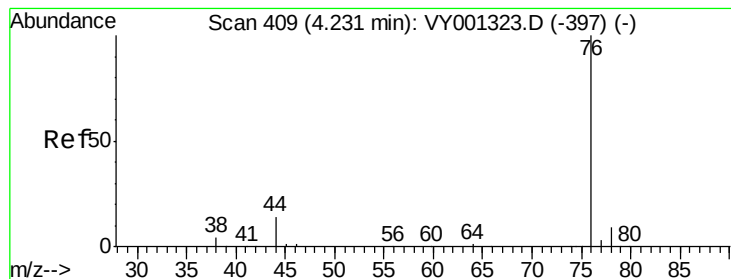
43 100

58 31.2 25.4 38.0



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





#17

Carbon Disulfide

Concen: 6.877 ug/l

RT: 4.22 min Scan# 408

Delta R.T. -0.01 min

Lab File: VY001391.D

Acq: 24 Jan 2020 18:31

Instrument :

MSVOA_Y

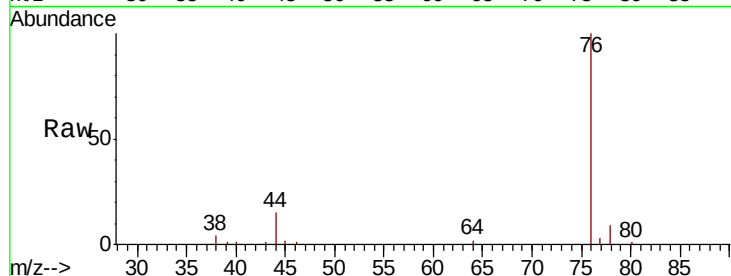
ClientSampleId :

Tot Ion: 76 Resp: 30705

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VY001323.D (-397) (-)

Ion 77.90 (77.60 to 78.60): VY001323.D (-397) (-)

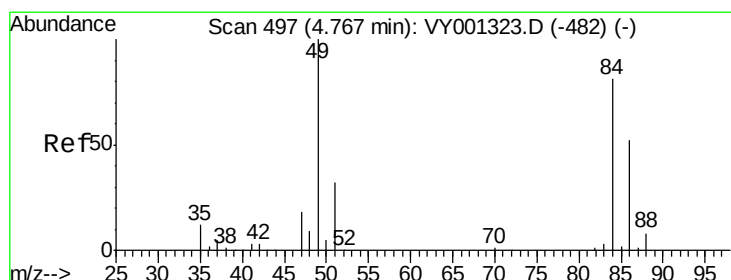
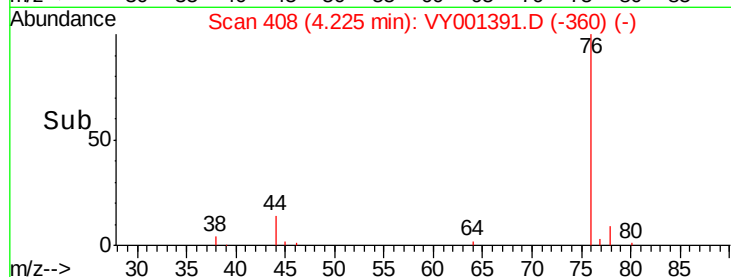
4.22

10000

5000

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.75 min Scan# 494

Delta R.T. -0.02 min

Lab File: VY001391.D

Acq: 24 Jan 2020 18:31

Tgt Ion: 84 Resp: 5699

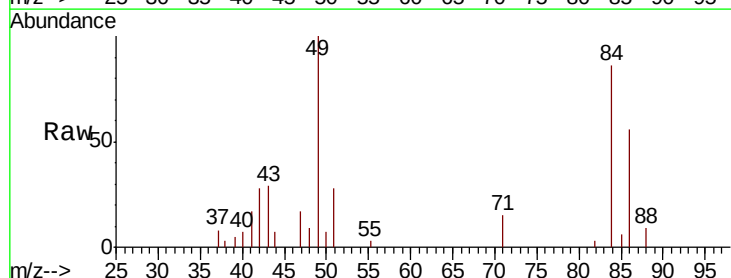
Ion Ratio Lower Upper

84 100

49 116.6 98.3 147.5

51 32.7 31.6 47.4

86 65.0 51.1 76.7



Abundance Ion 83.90 (83.60 to 84.60): VY001323.D (-482) (-)

Ion 48.90 (48.60 to 49.60): VY001323.D (-482) (-)

Ion 50.90 (50.60 to 51.60): VY001323.D (-482) (-)

Ion 85.90 (85.60 to 86.60): VY001323.D (-482) (-)

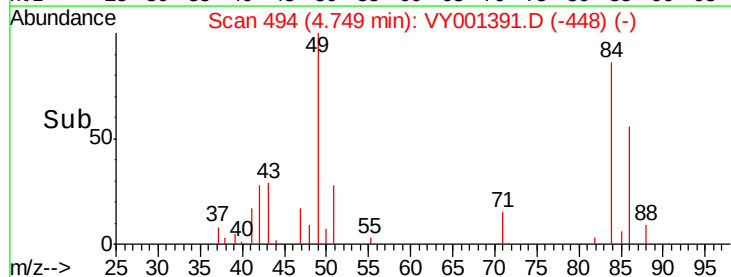
3000

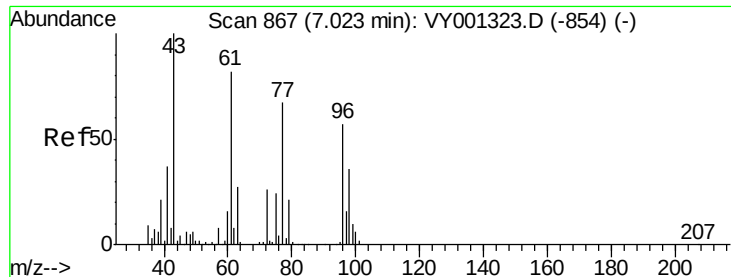
2000

1000

0

Time-->

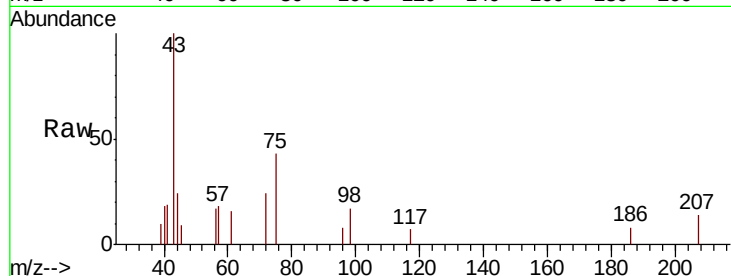




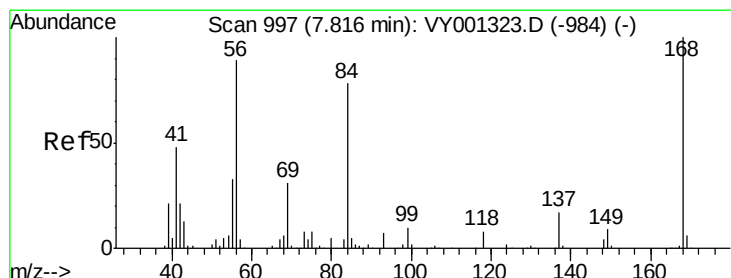
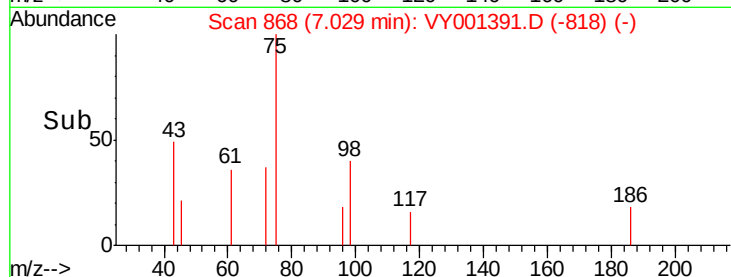
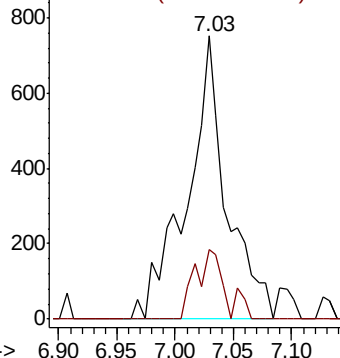
#25
2-Butanone
Concen: 2.795 ug/l
RT: 7.03 min Scan# 868
Delta R.T. 0.01 min
Lab File: VY001391.D
Acq: 24 Jan 2020 18:31

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 1770
Ion Ratio Lower Upper
43 100
72 24.3 20.6 31.0

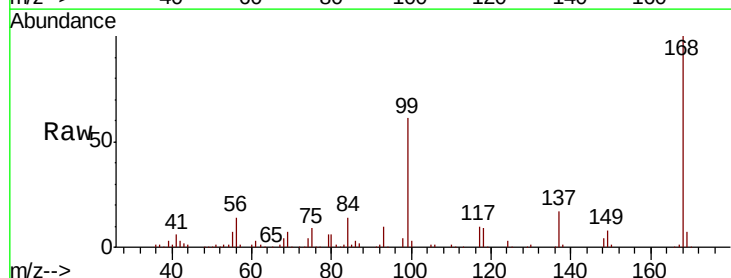


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0

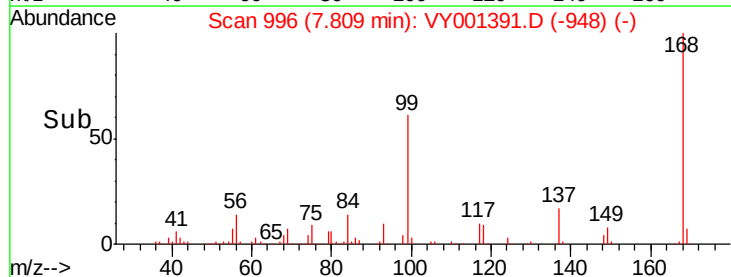
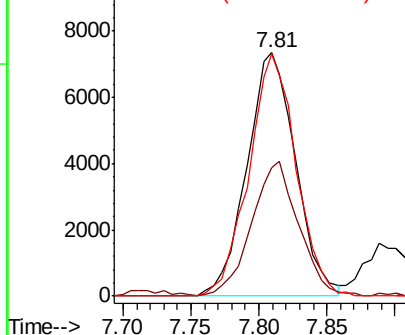


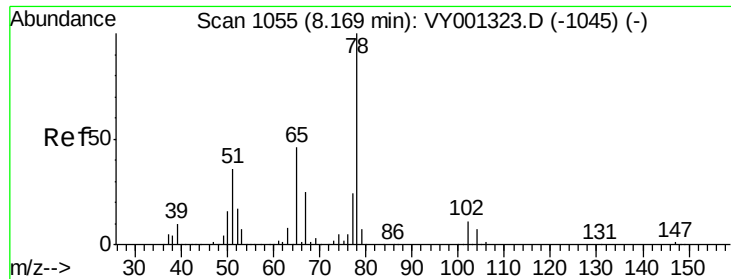
#31
Cyclohexane
Concen: 6.530 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.01 min
Lab File: VY001391.D
Acq: 24 Jan 2020 18:31

Tgt Ion: 56 Resp: 18373
Ion Ratio Lower Upper
56 100
69 52.0 27.6 41.4#
84 99.6 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

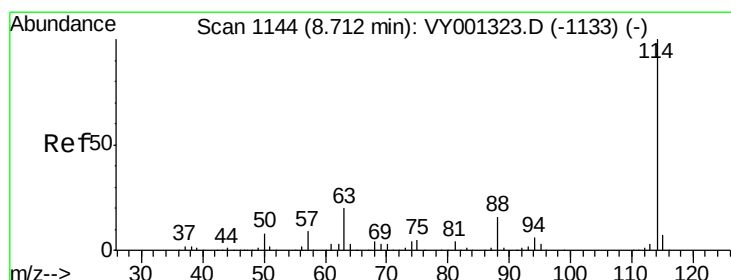
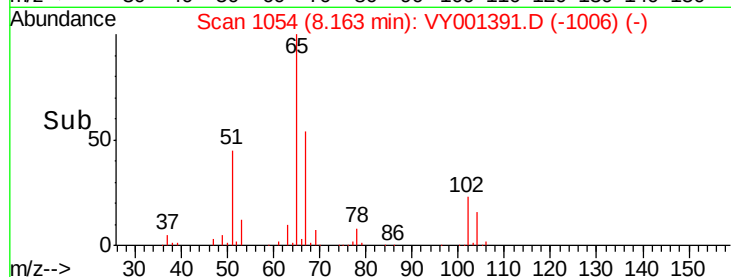
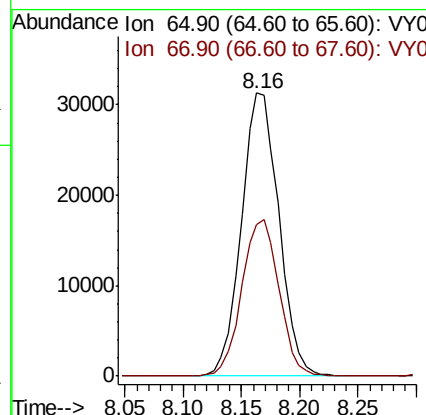
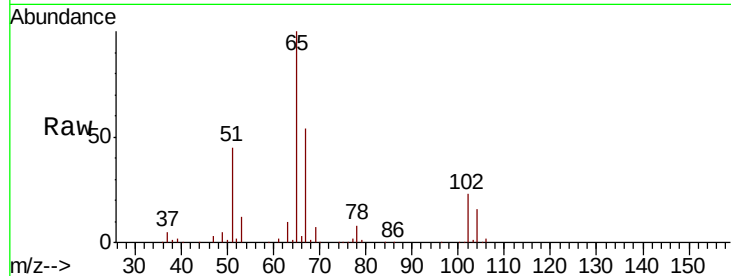




#33
 1,2-Dichloroethane-d4
 Concen: 48.246 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001391.D
 Acq: 24 Jan 2020 18:31

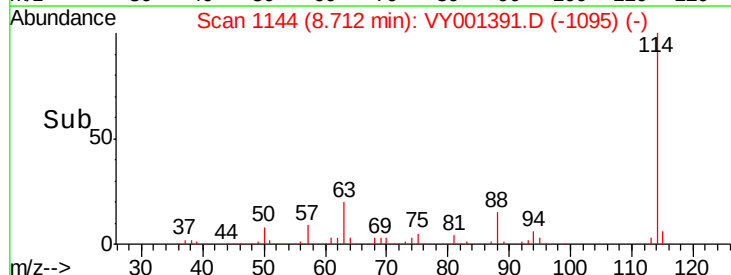
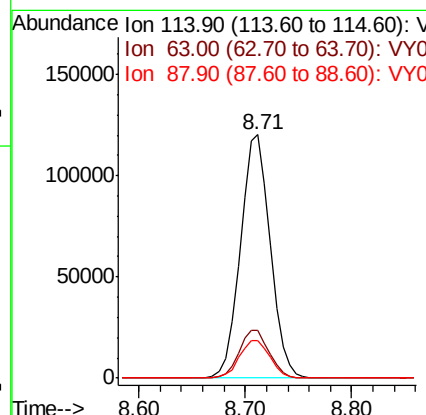
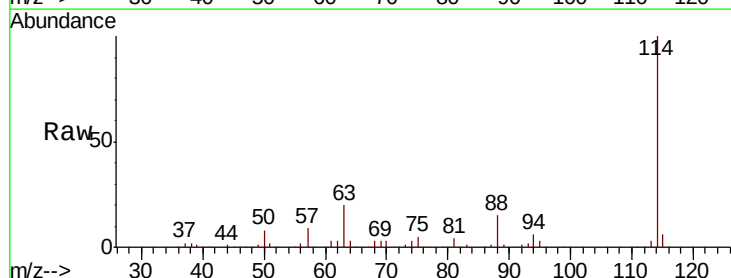
Instrument :
 MSVOA_Y
 ClientSampleId :

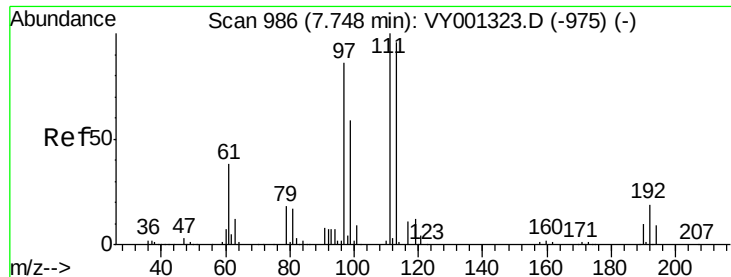
Tot Ion: 65 Resp: 70197
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VY001391.D
 Acq: 24 Jan 2020 18:31

Tgt Ion: 114 Resp: 236341
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.8
 88 15.4 0.0 31.0

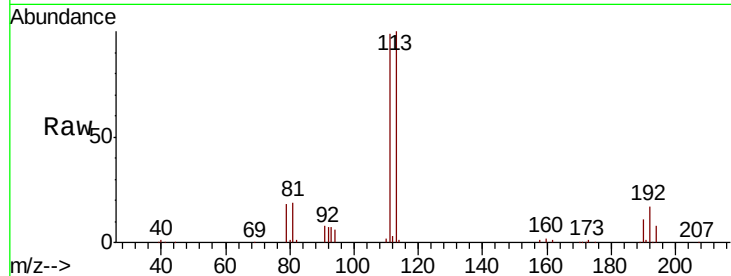




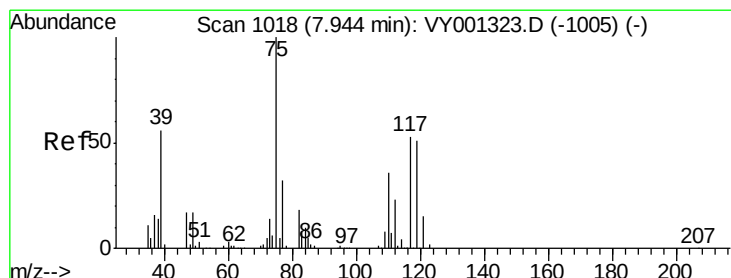
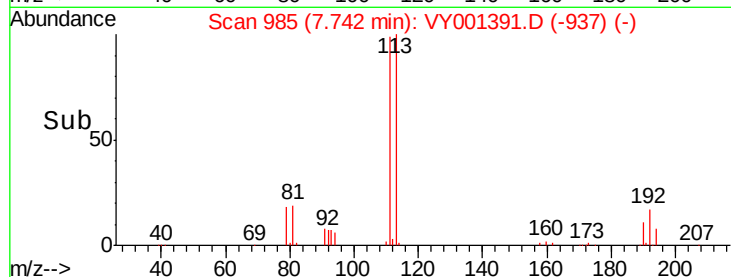
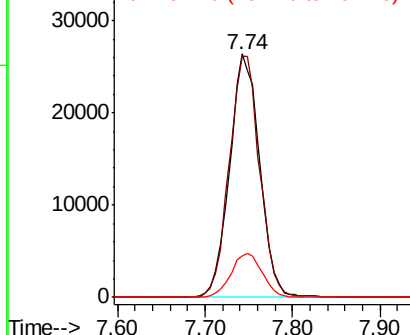
#35
 Dibromofluoromethane
 Concen: 45.378 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY001391.D
 Acq: 24 Jan 2020 18:31

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 62945
 Ion Ratio Lower Upper
 113 100
 111 99.8 82.8 124.2
 192 18.6 15.5 23.3

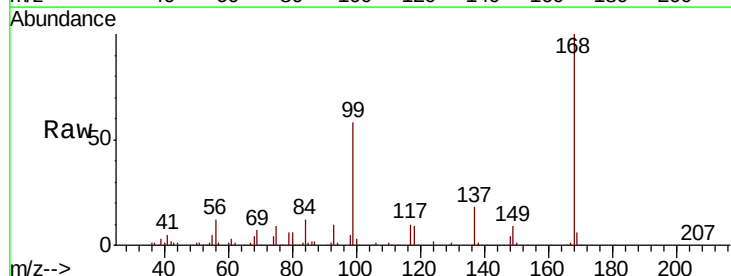


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

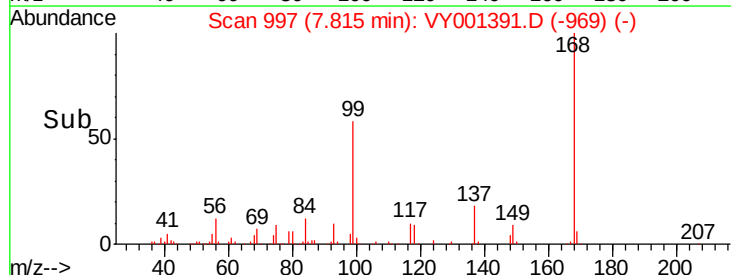
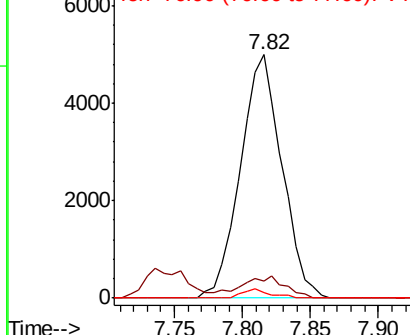


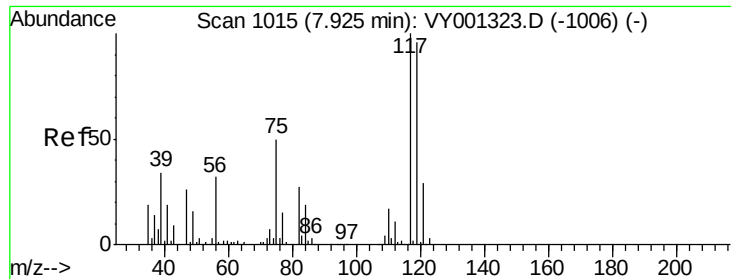
#36
 1,1-Dichloropropene
 Concen: 4.760 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001391.D
 Acq: 24 Jan 2020 18:31

Tgt Ion: 75 Resp: 10628
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.6 52.8#
 77 2.4 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

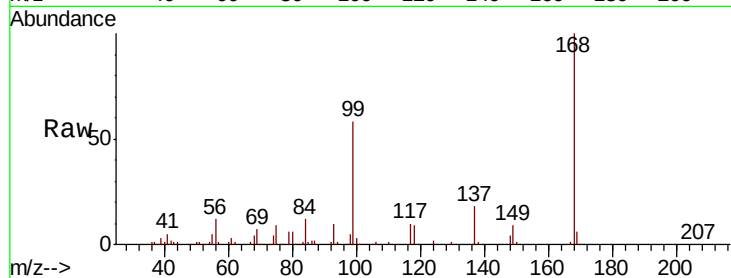




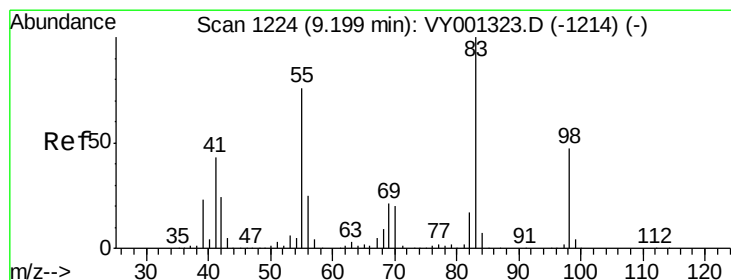
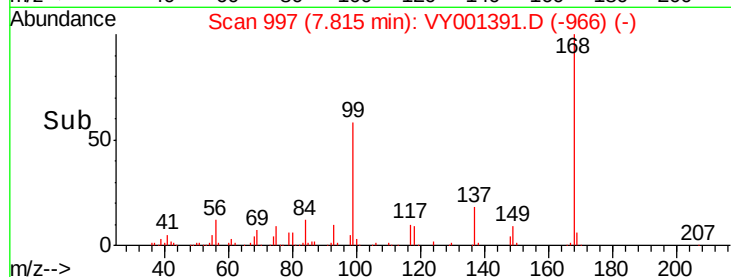
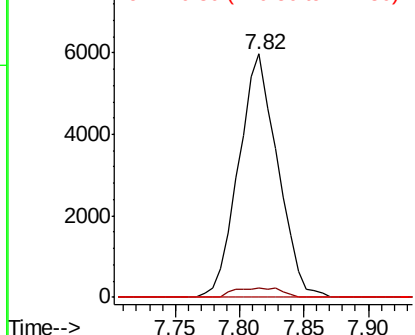
#38
Carbon Tetrachloride
Concen: 6.291 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.11 min
Lab File: VY001391.D
Acq: 24 Jan 2020 18:31

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 12519
Ion Ratio Lower Upper
117 100
119 4.1 76.3 114.5#
121 0.0 23.5 35.3#

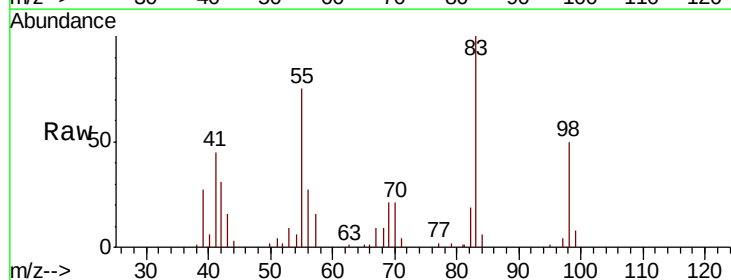


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

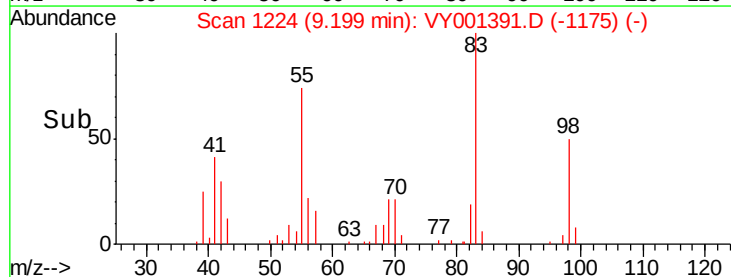
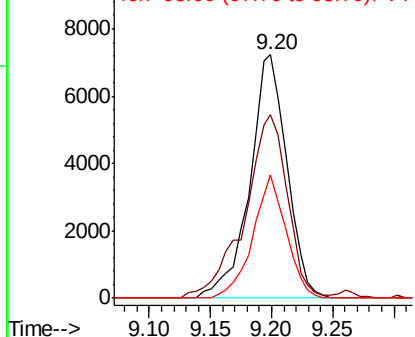


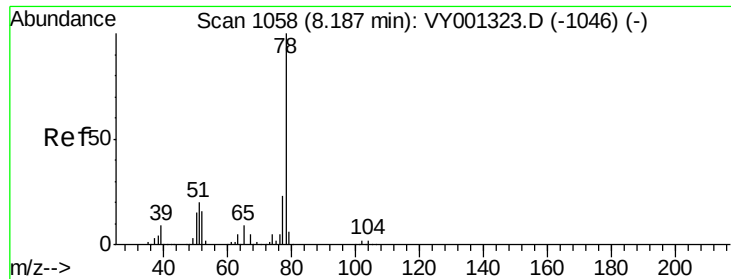
#39
Methylcyclohexane
Concen: 5.341 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VY001391.D
Acq: 24 Jan 2020 18:31

Tgt Ion: 83 Resp: 15277
Ion Ratio Lower Upper
83 100
55 73.9 60.7 91.1
98 50.4 37.8 56.8



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

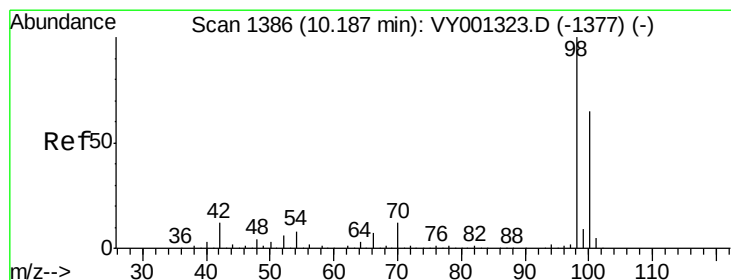
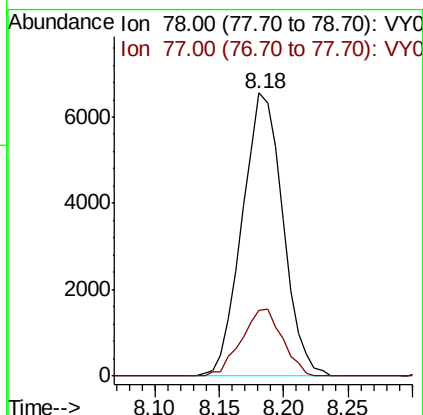
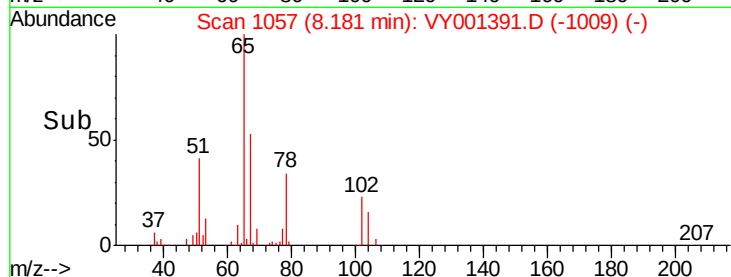
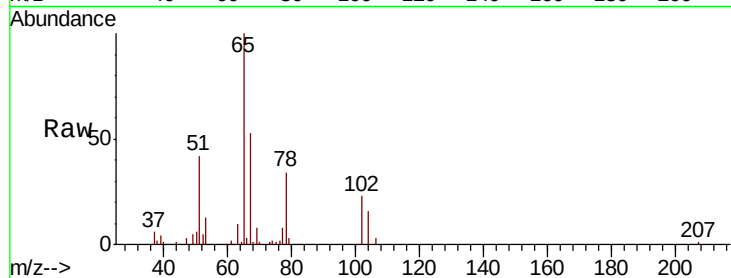




#40
Benzene
Concen: 2.138 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001391.D
Acq: 24 Jan 2020 18:31

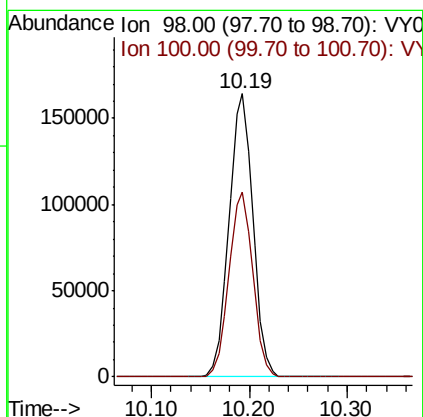
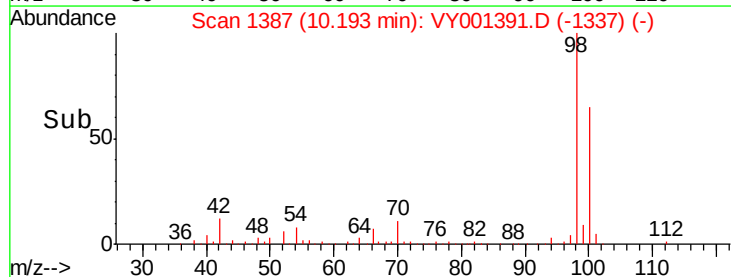
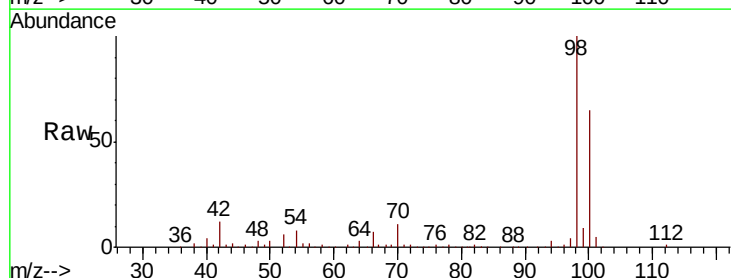
Instrument :
MSVOA_Y
ClientSampleId :

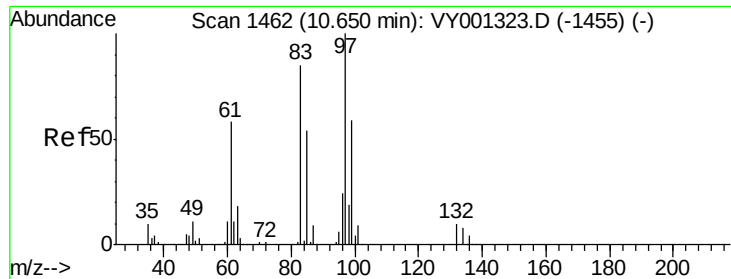
Tot Ion: 78 Resp: 14314
Ion Ratio Lower Upper
78 100
77 23.3 18.6 27.8



#50
Toluene-d8
Concen: 51.549 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY001391.D
Acq: 24 Jan 2020 18:31

Tgt Ion: 98 Resp: 277807
Ion Ratio Lower Upper
98 100
100 65.3 52.6 79.0

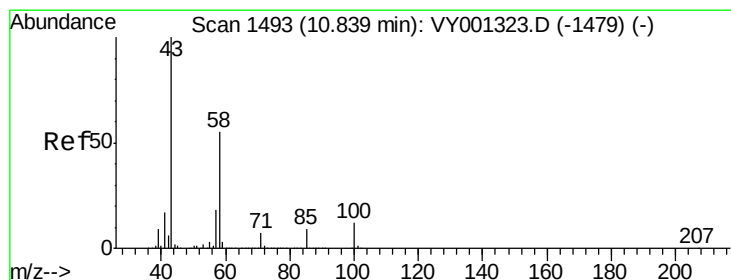
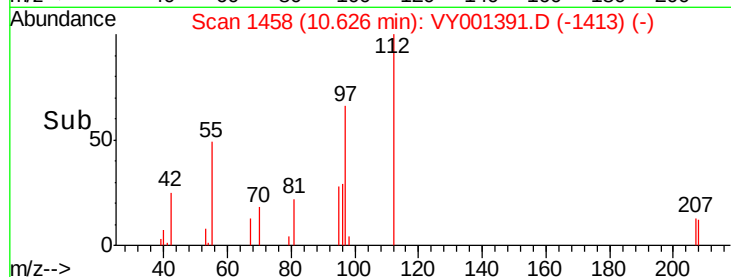
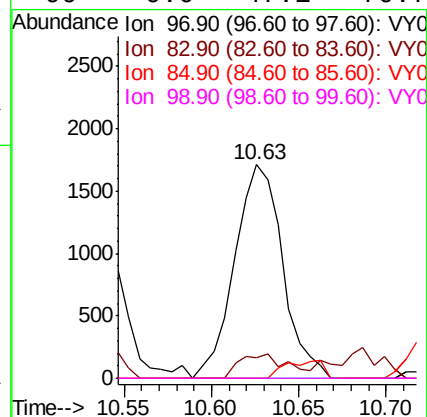
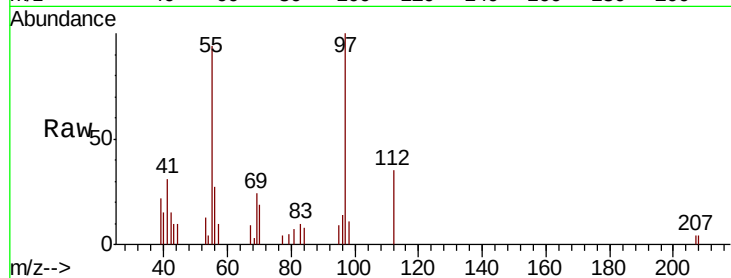




#55
 1,1,2-Trichloroethane
 Concen: 2.434 ug/l
 RT: 10.63 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: VY001391.D
 Acq: 24 Jan 2020 18:31

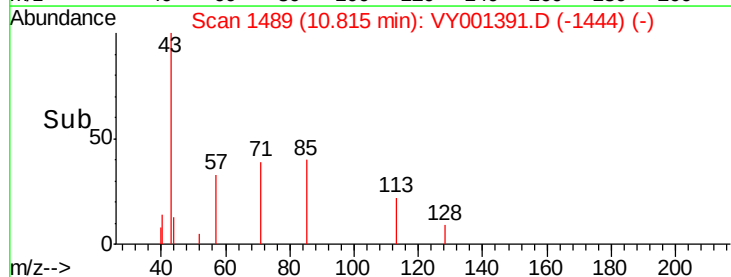
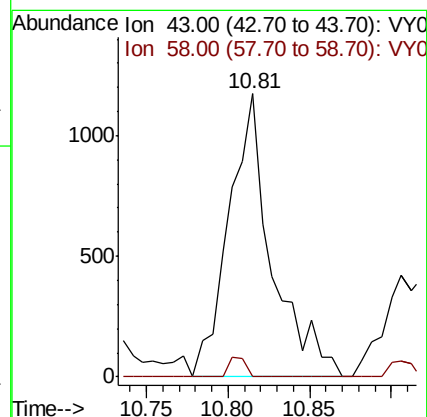
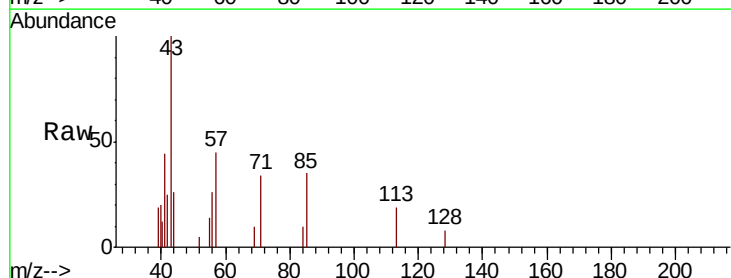
Instrument :
 MSVOA_Y
 ClientSampled :

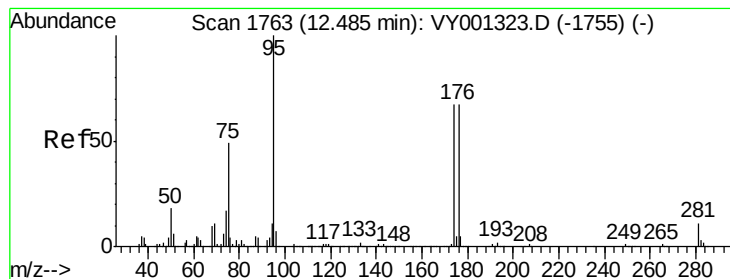
Tot Ion: 97 Resp: 3264
 Ion Ratio Lower Upper
 97 100
 83 9.8 68.0 102.0#
 85 0.0 43.6 65.4#
 99 0.0 47.1 70.7#



#59
 2-Hexanone
 Concen: 2.266 ug/l
 RT: 10.81 min Scan# 1489
 Delta R.T. -0.02 min
 Lab File: VY001391.D
 Acq: 24 Jan 2020 18:31

Tgt Ion: 43 Resp: 2155
 Ion Ratio Lower Upper
 43 100
 58 2.6 27.6 82.8#





#62

4-Bromofluorobenzene

Concen: 42.623 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001391.D

Acq: 24 Jan 2020 18:31

Instrument :

MSVOA_Y

ClientSampleId :

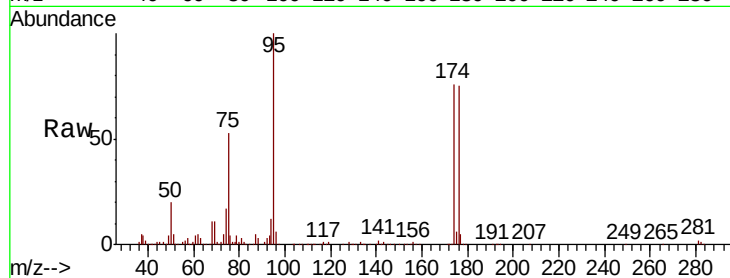
Tot Ion: 95 Resp: 91476

Ion Ratio Lower Upper

95 100

174 75.3 0.0 142.0

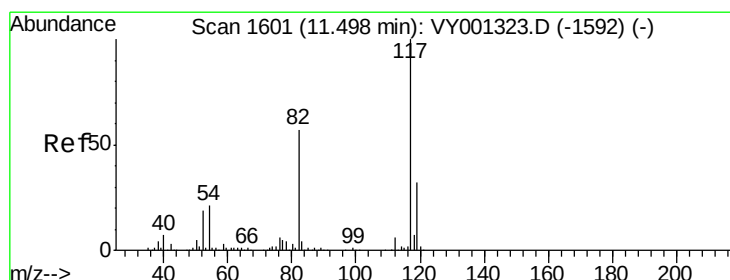
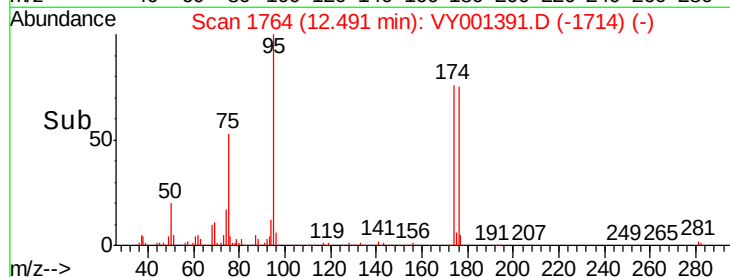
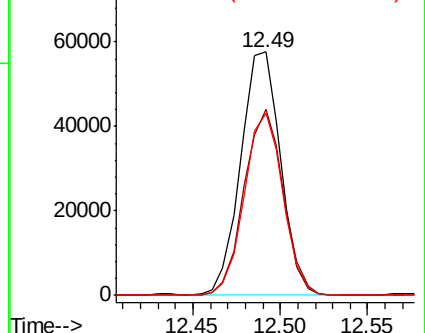
176 72.7 0.0 138.6



Abundance Ion 94.90 (94.60 to 95.60): VY001391.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY001391.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY001391.D (-1755) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VY001391.D

Acq: 24 Jan 2020 18:31

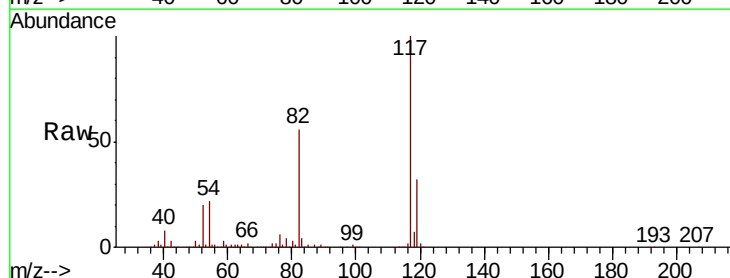
Tgt Ion: 117 Resp: 202019

Ion Ratio Lower Upper

117 100

82 56.0 45.5 68.3

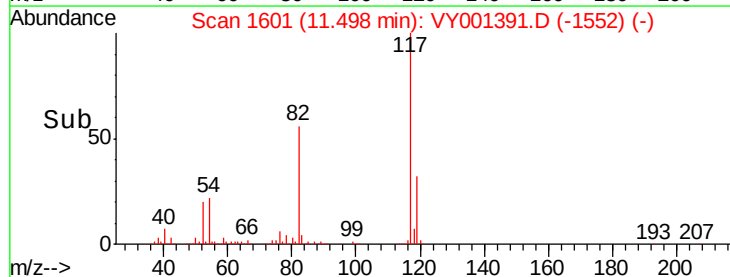
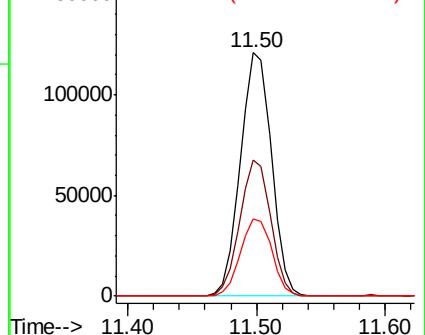
119 31.6 25.8 38.6

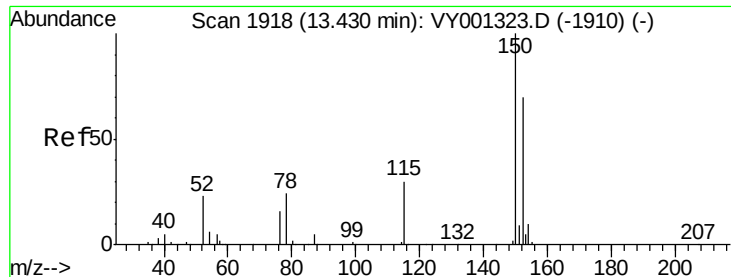


Abundance Ion 116.90 (116.60 to 117.60): VY001391.D (-1552) (-)

Ion 82.00 (81.70 to 82.70): VY001391.D (-1552) (-)

Ion 118.90 (118.60 to 119.60): VY001391.D (-1552) (-)



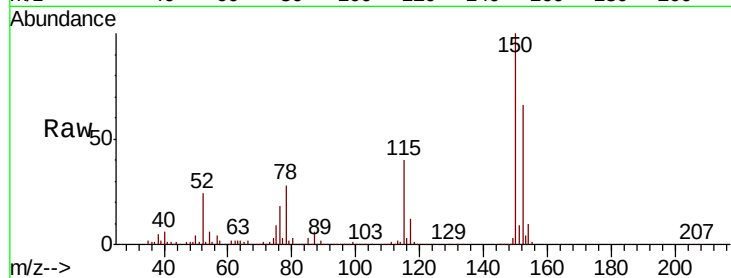


#72

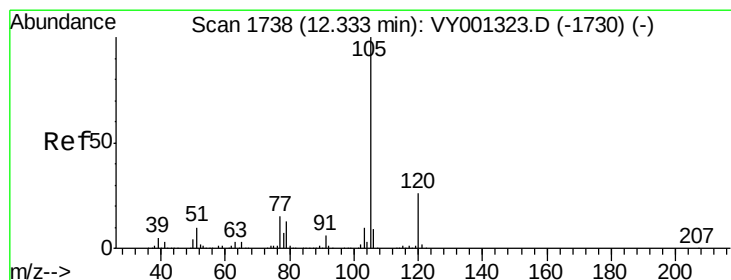
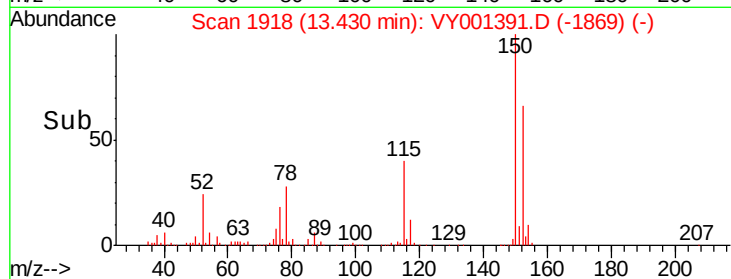
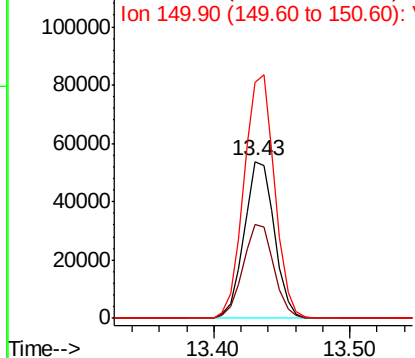
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY001391.D
Acq: 24 Jan 2020 18:31

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:152 Resp: 83728
Ion Ratio Lower Upper
152 100
115 61.2 30.9 92.8
150 156.7 0.0 349.2



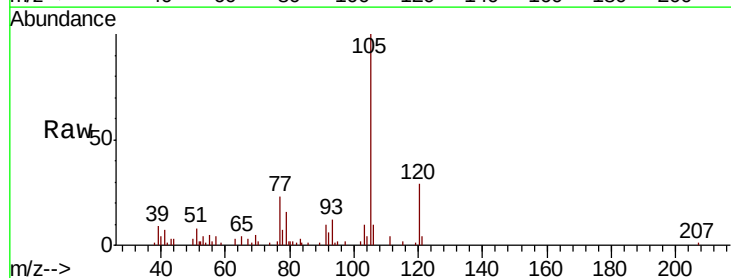
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



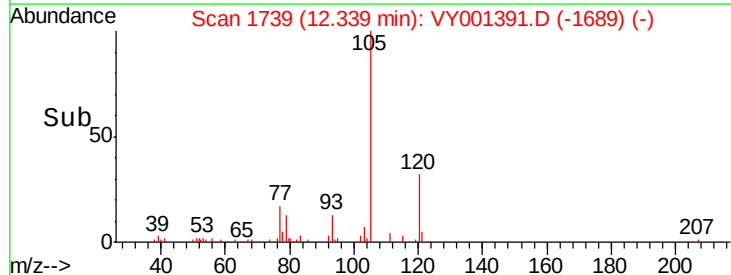
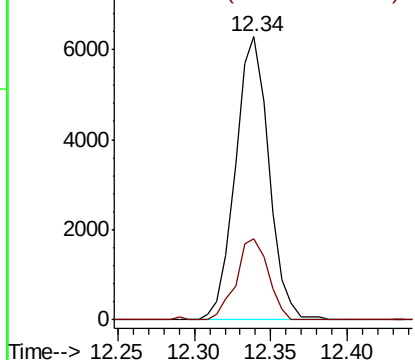
#73

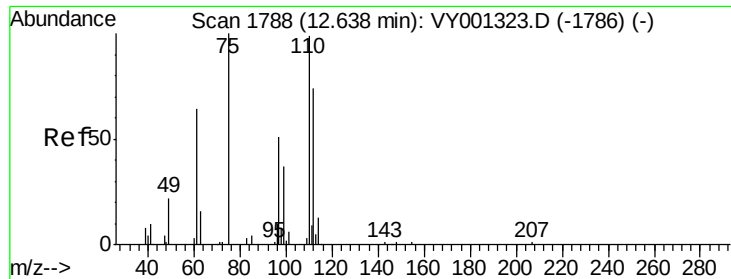
Isopropylbenzene
Concen: 1.444 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VY001391.D
Acq: 24 Jan 2020 18:31

Tgt Ion:105 Resp: 9537
Ion Ratio Lower Upper
105 100
120 27.4 13.5 40.4



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

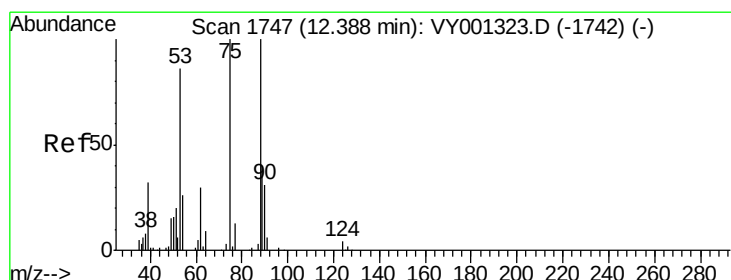
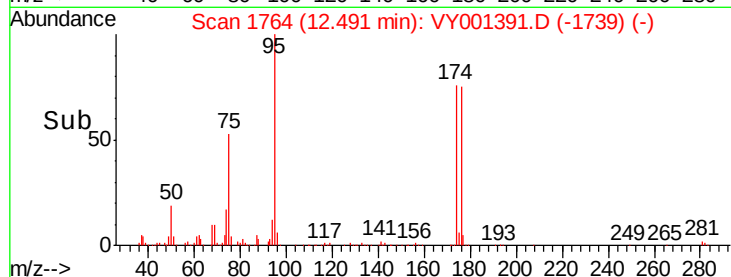
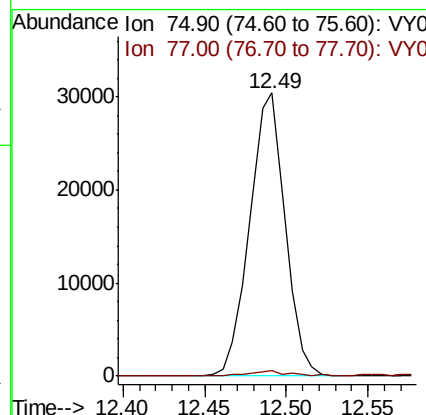
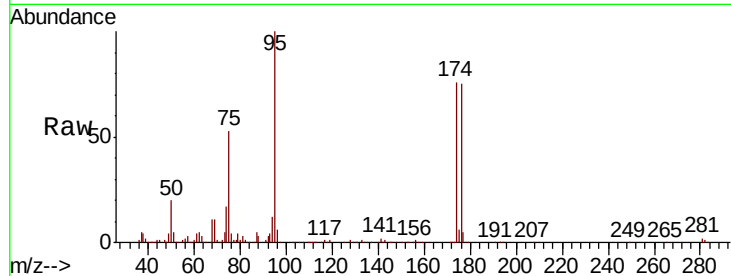




#76
 1,2,3-Trichloropropane
 Concen: 45.677 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.15 min
 Lab File: VY001391.D
 Acq: 24 Jan 2020 18:31

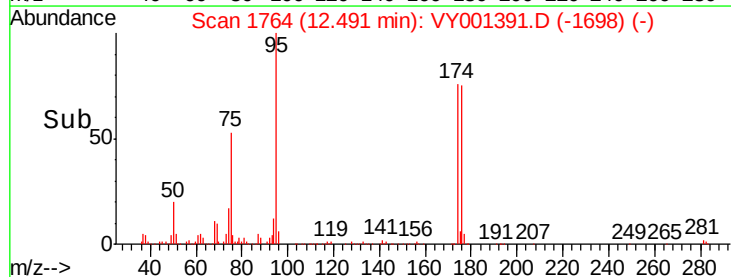
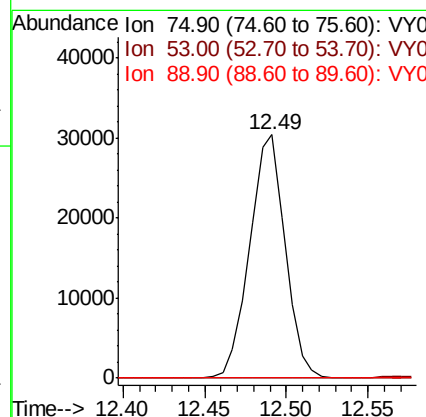
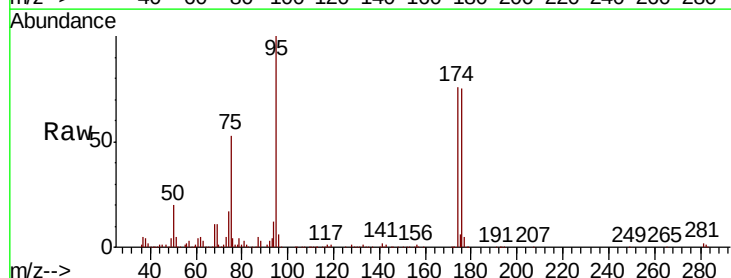
Instrument :
 MSVOA_Y
 ClientSampleId :

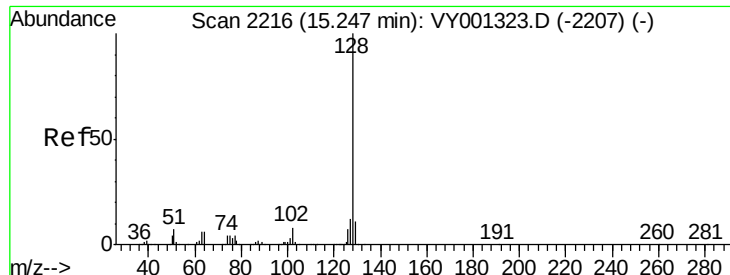
Tot Ion: 75 Resp: 46085
 Ion Ratio Lower Upper
 75 100
 77 2.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.439 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.10 min
 Lab File: VY001391.D
 Acq: 24 Jan 2020 18:31

Tgt Ion: 75 Resp: 46085
 Ion Ratio Lower Upper
 75 100
 53 0.1 69.9 104.9#
 89 0.1 36.6 54.8#

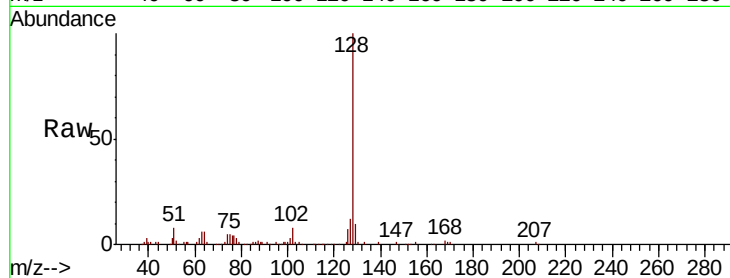




#95
Naphthalene
Concen: 11.661 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY001391.D
Acq: 24 Jan 2020 18:31

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	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

