

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041420\
 Data File : VY002306.D
 Acq On : 14 Apr 2020 14:19
 Operator : SY/MD
 Sample : L2230-39
 Misc : 7.46G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 15 05:34:53 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	137611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	275842	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	232258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	75693	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	77305	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
35) Dibromofluoromethane	7.73	113	80392	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
50) Toluene-d8	10.18	98	321773	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	
62) 4-Bromofluorobenzene	12.49	95	88080	38.86	ug/l	0.00
Spiked Amount			Recovery	=	77.72%	

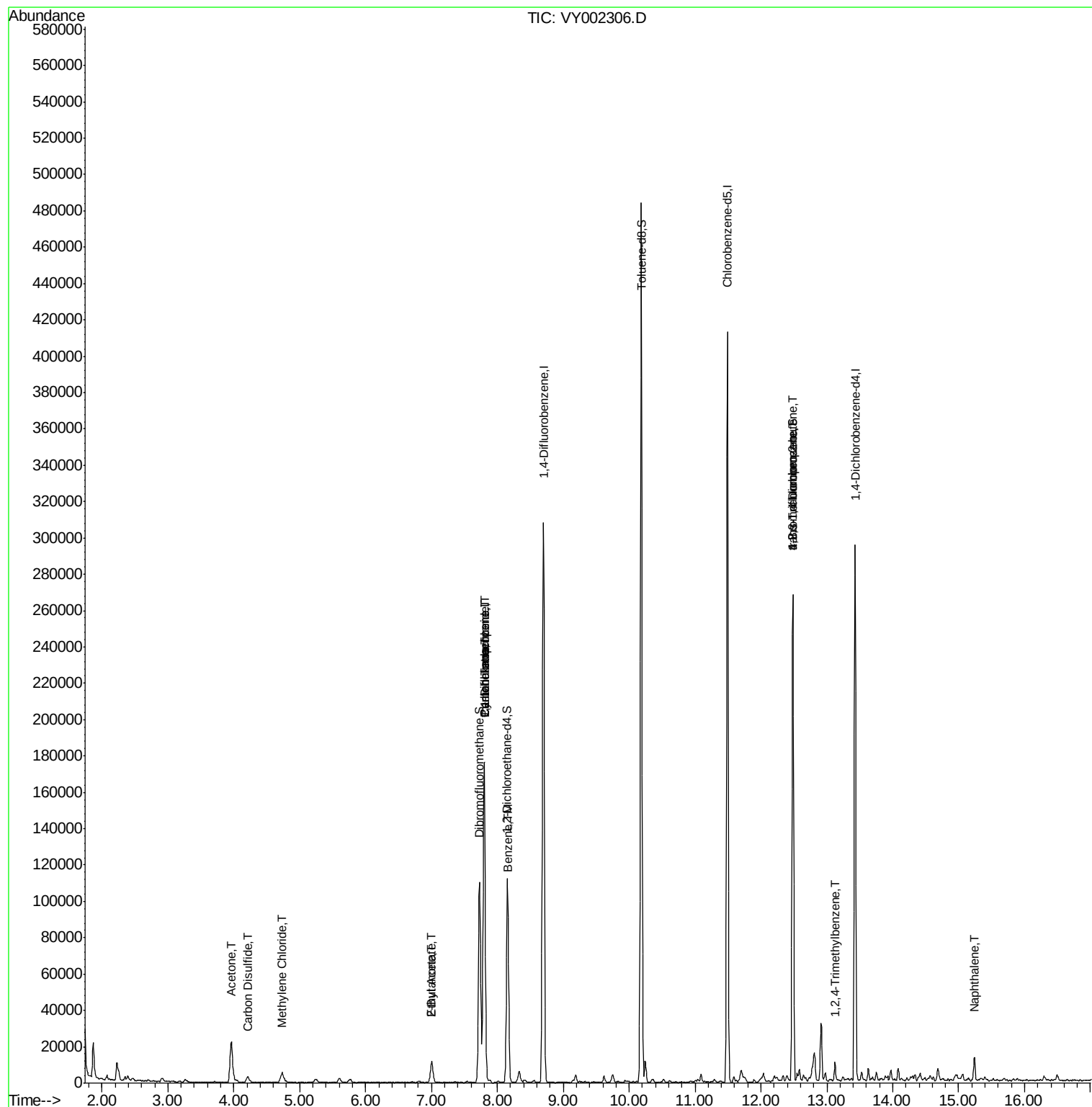
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	38141	94.628	ug/l	95
17) Carbon Disulfide	4.21	76	6107	1.107	ug/l #	90
20) Methylene Chloride	4.73	84	3931	1.984	ug/l #	83
25) 2-Butanone	7.00	43	18272	28.645	ug/l	100
31) Cyclohexane	7.80	56	3599	1.116	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	10622	3.909	ug/l #	50
37) Ethyl Acetate	7.00	43	18272	11.772	ug/l #	72
38) Carbon Tetrachloride	7.80	117	13248	5.700	ug/l #	16
40) Benzene	8.17	78	12424	1.507	ug/l	94
76) 1,2,3-Trichloropropane	12.49	75	42620	48.489	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	42620	94.310	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.13	105	5850	1.191	ug/l	97
95) Naphthalene	15.24	128	11025	3.344	ug/l	99

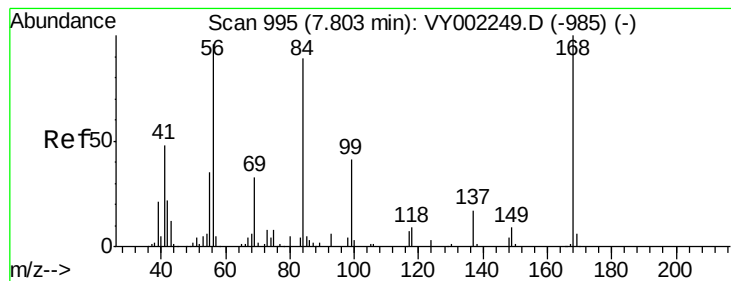
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY002306.D

Acq: 14 Apr 2020 14:19

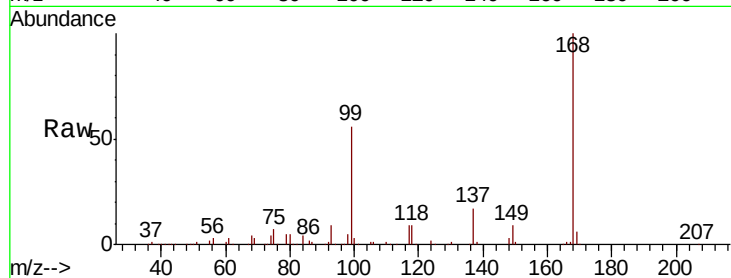
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 137611

Ion Ratio Lower Upper

168 100

99 55.9 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) (-)

7.80

60000

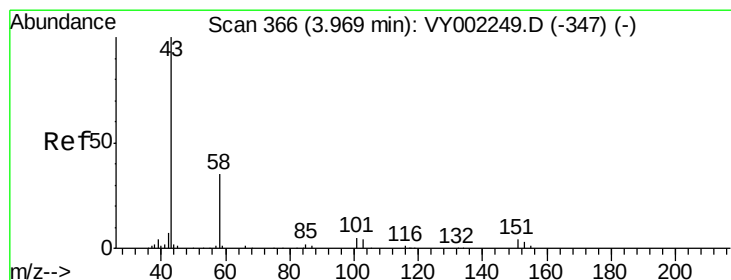
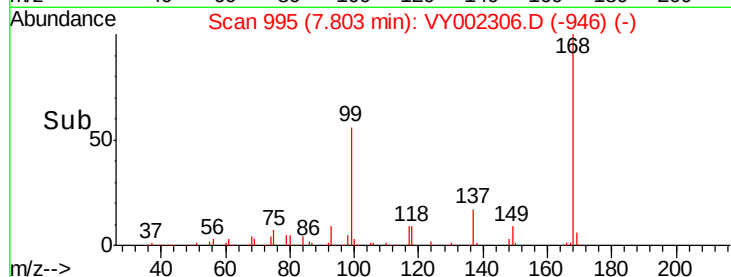
40000

20000

0

7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 94.628 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY002306.D

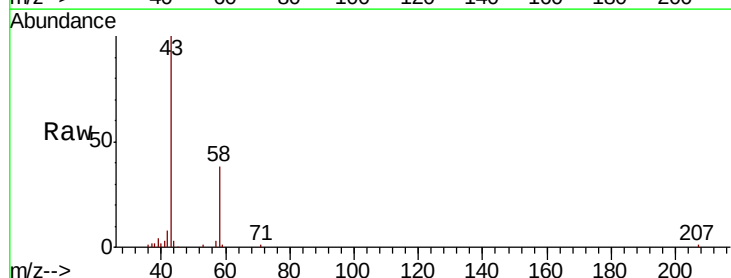
Acq: 14 Apr 2020 14:19

Tgt Ion: 43 Resp: 38141

Ion Ratio Lower Upper

43 100

58 38.4 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VY002249.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY002249.D (-347) (-)

3.96

15000

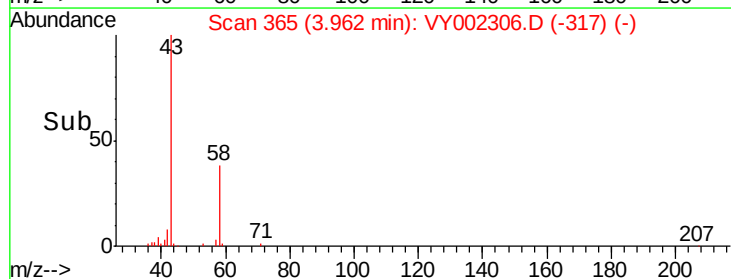
10000

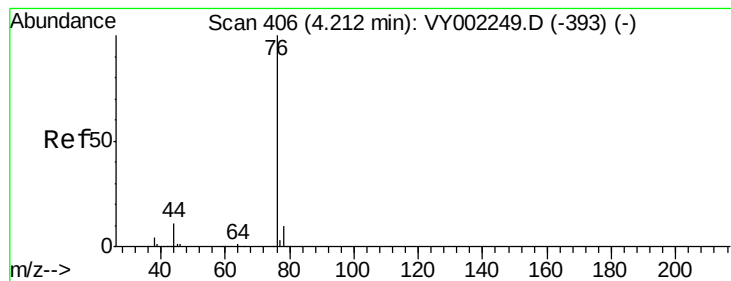
5000

0

3.90 4.00 4.10

Time-->





#17

Carbon Disulfide

Concen: 1.107 ug/l

RT: 4.21 min Scan# 405

Delta R.T. -0.01 min

Lab File: VY002306.D

Acq: 14 Apr 2020 14:19

Instrument :

MSVOA_Y

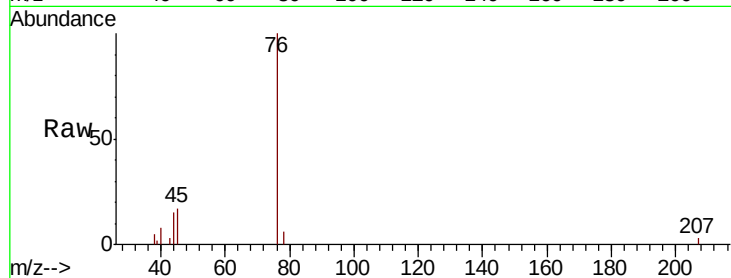
ClientSampled :

Tot Ion: 76 Resp: 6107

Ion Ratio Lower Upper

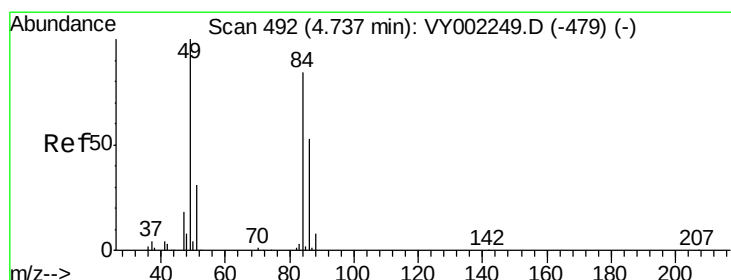
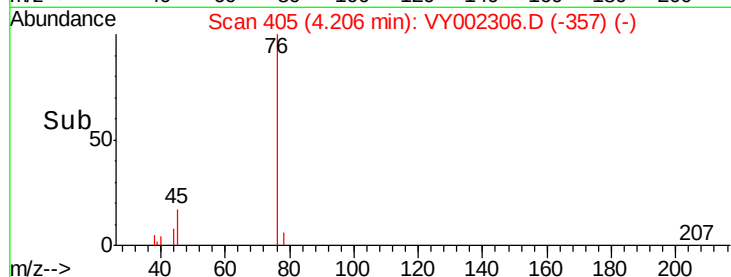
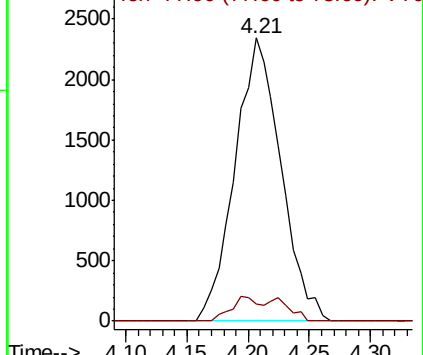
76 100

78 6.1 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#20

Methylene Chloride

Concen: 1.984 ug/l

RT: 4.73 min Scan# 491

Delta R.T. -0.01 min

Lab File: VY002306.D

Acq: 14 Apr 2020 14:19

Tgt Ion: 84 Resp: 3931

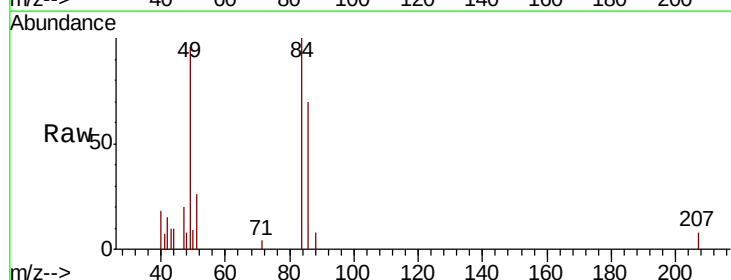
Ion Ratio Lower Upper

84 100

49 96.4 95.5 143.3

51 25.8 29.5 44.3#

86 70.2 50.7 76.1

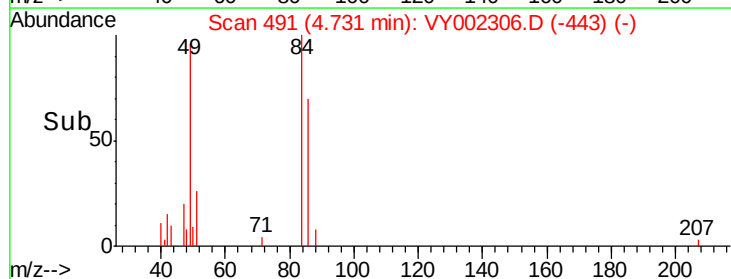
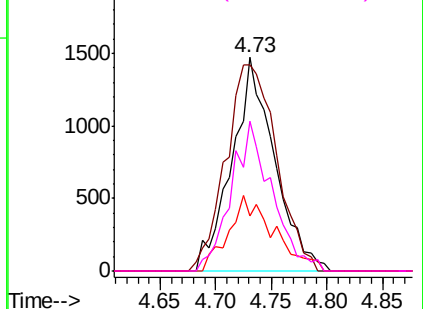


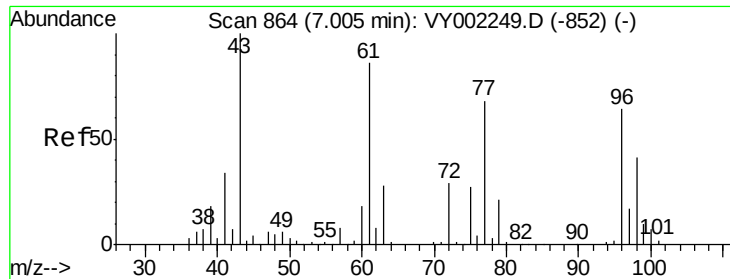
Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

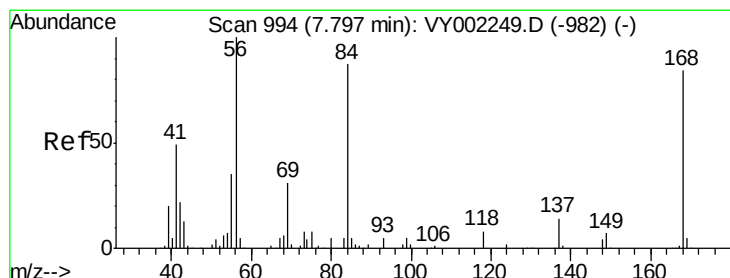
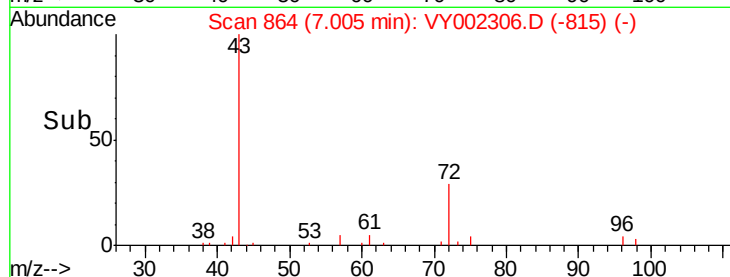
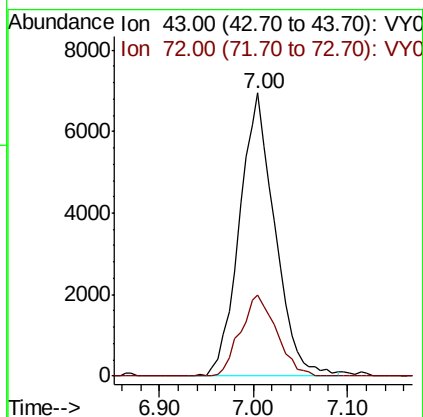
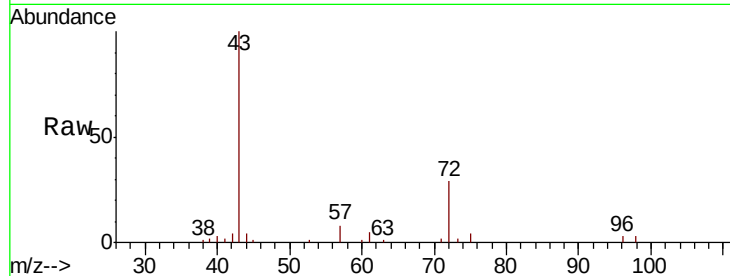




#25
2-Butanone
Concen: 28.645 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.00 min
Lab File: VY002306.D
Acq: 14 Apr 2020 14:19

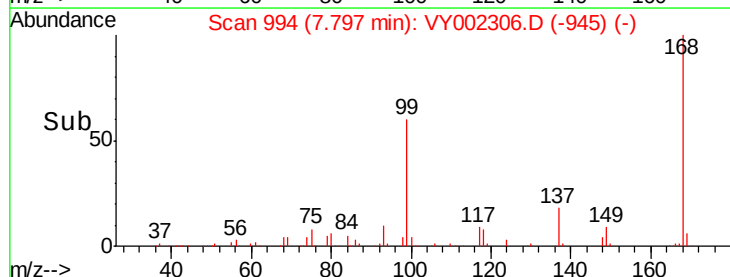
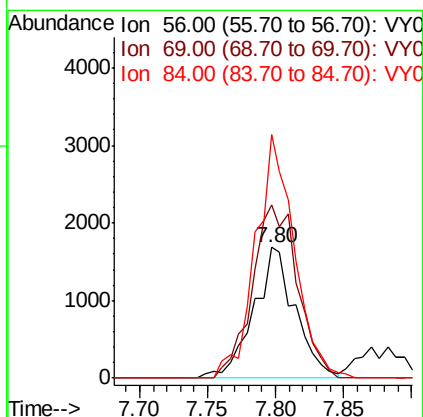
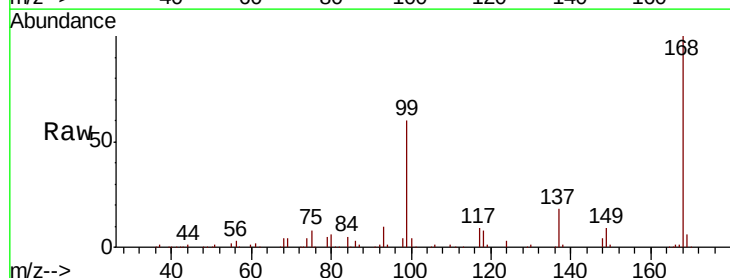
Instrument :
MSVOA_Y
ClientSampleId :

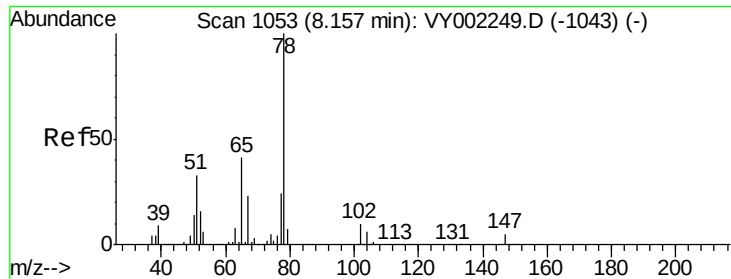
Tot Ion: 43 Resp: 18272
Ion Ratio Lower Upper
43 100
72 28.8 23.2 34.8



#31
Cyclohexane
Concen: 1.116 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.00 min
Lab File: VY002306.D
Acq: 14 Apr 2020 14:19

Tgt Ion: 56 Resp: 3599
Ion Ratio Lower Upper
56 100
69 132.4 25.0 37.6#
84 186.5 69.7 104.5#

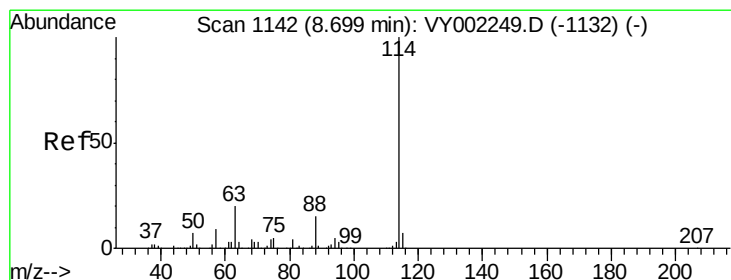
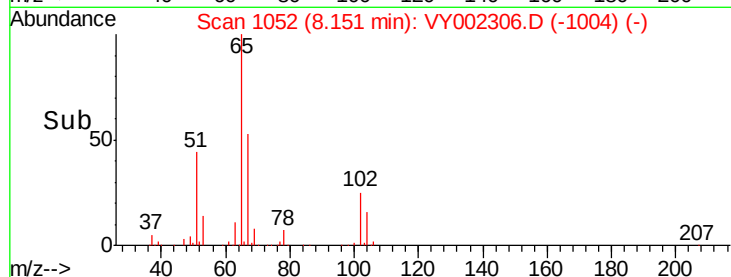
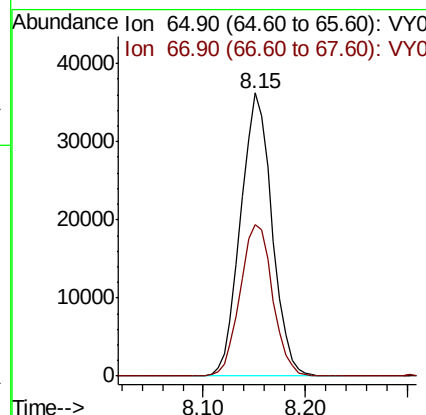
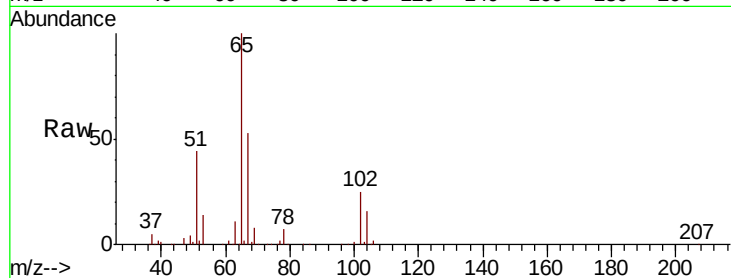




#33
 1,2-Dichloroethane-d4
 Concen: 50.515 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY002306.D
 Acq: 14 Apr 2020 14:19

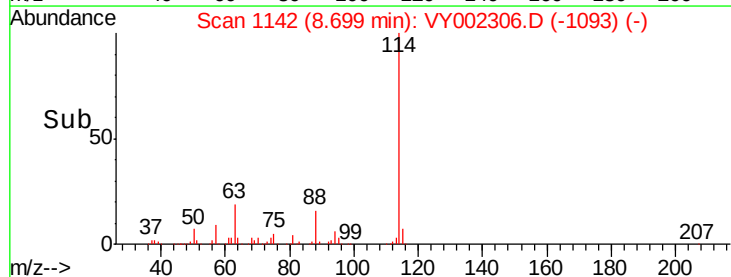
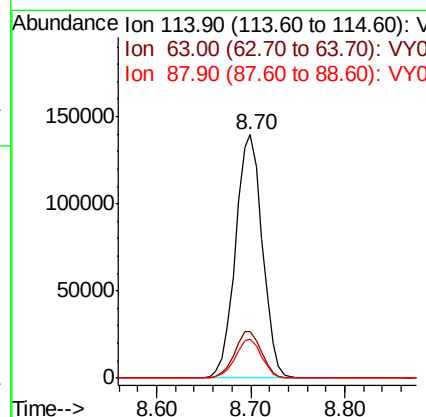
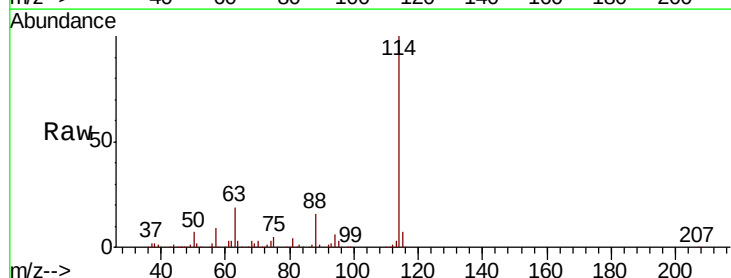
Instrument :
 MSVOA_Y
 ClientSampleId :

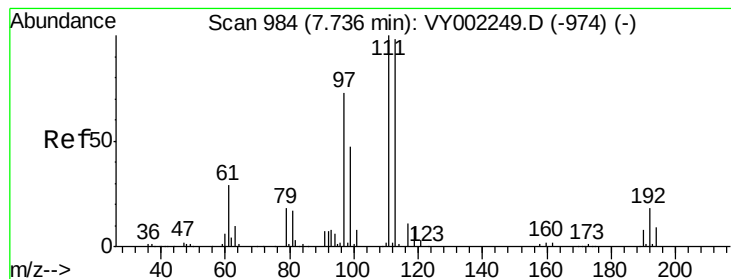
Tot Ion: 65 Resp: 77305
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 114.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY002306.D
 Acq: 14 Apr 2020 14:19

Tgt Ion: 114 Resp: 275842
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.0
 88 15.7 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.979 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002306.D

Acq: 14 Apr 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

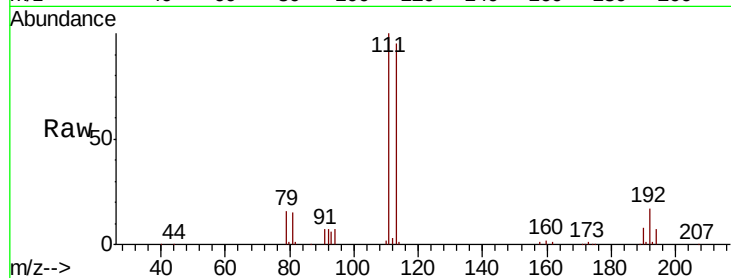
Tot Ion:113 Resp: 80392

Ion Ratio Lower Upper

113 100

111 103.9 83.5 125.3

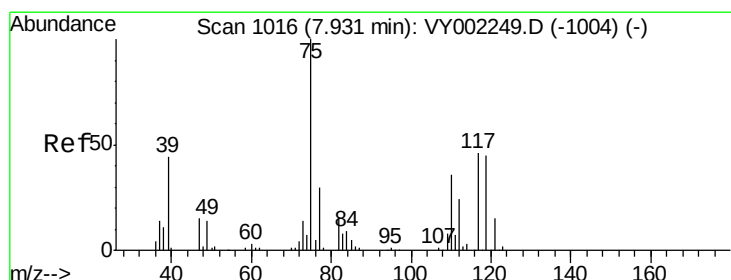
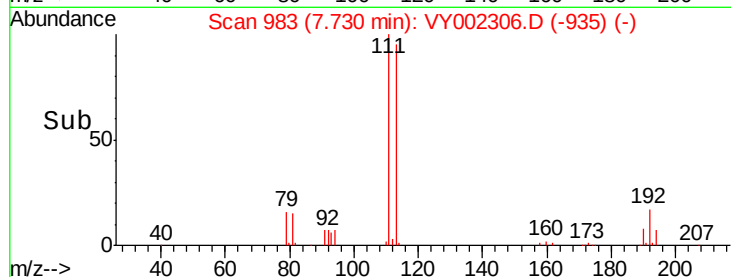
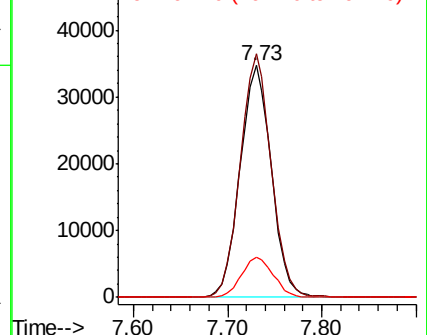
192 17.5 14.7 22.1



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: 3.909 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY002306.D

Acq: 14 Apr 2020 14:19

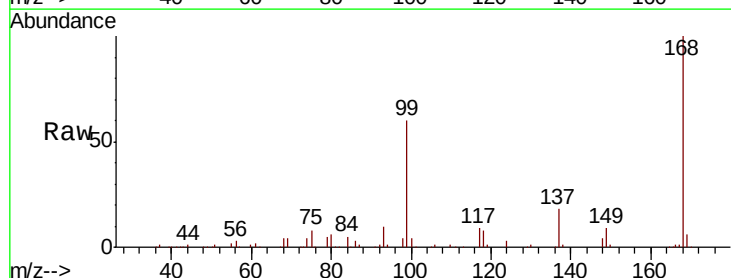
Tgt Ion: 75 Resp: 10622

Ion Ratio Lower Upper

75 100

110 9.1 17.8 53.3#

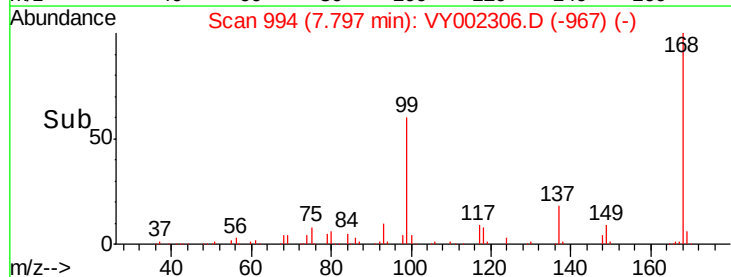
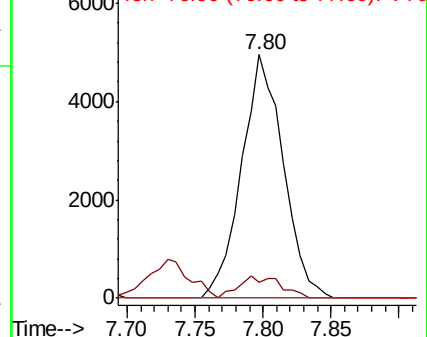
77 0.0 24.4 36.6#

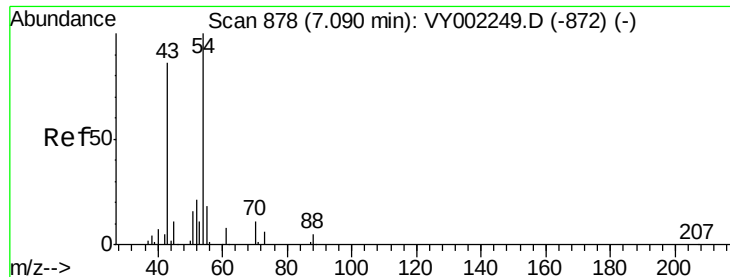


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

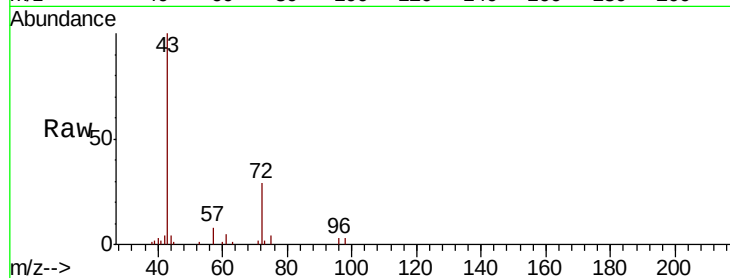




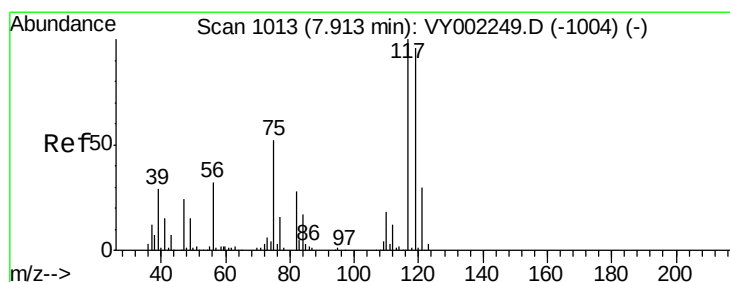
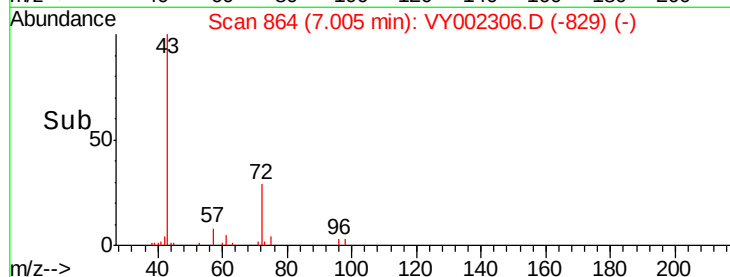
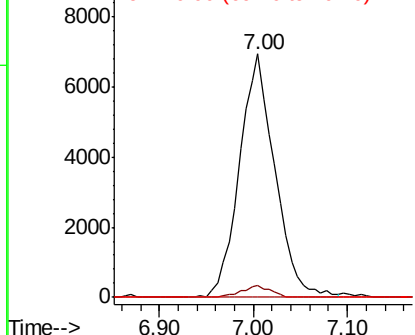
#37
Ethyl Acetate
Concen: 11.772 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.09 min
Lab File: VY002306.D
Acq: 14 Apr 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 18272
Ion Ratio Lower Upper
43 100
61 3.9 11.8 17.6#
70 0.0 9.1 13.7#

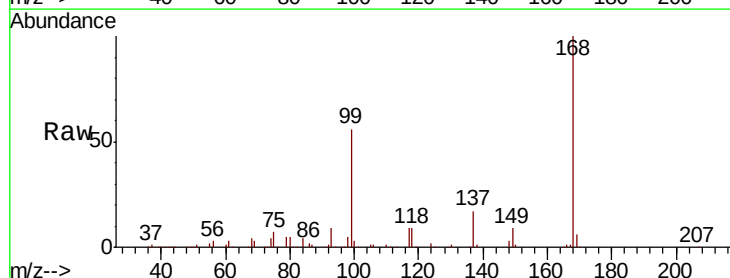


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

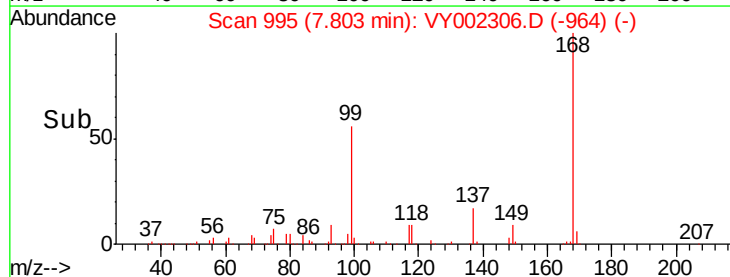
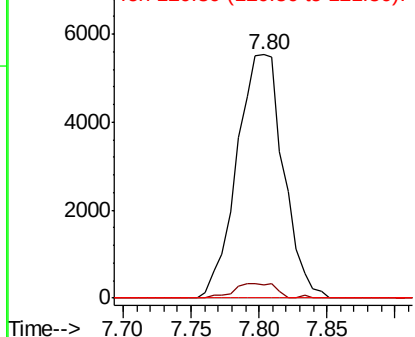


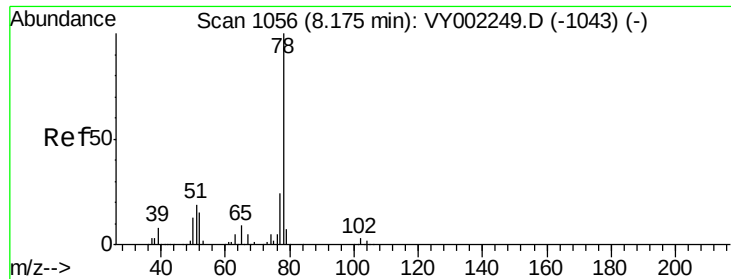
#38
Carbon Tetrachloride
Concen: 5.700 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY002306.D
Acq: 14 Apr 2020 14:19

Tgt Ion: 117 Resp: 13248
Ion Ratio Lower Upper
117 100
119 5.4 77.1 115.7#
121 0.0 23.9 35.9#



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

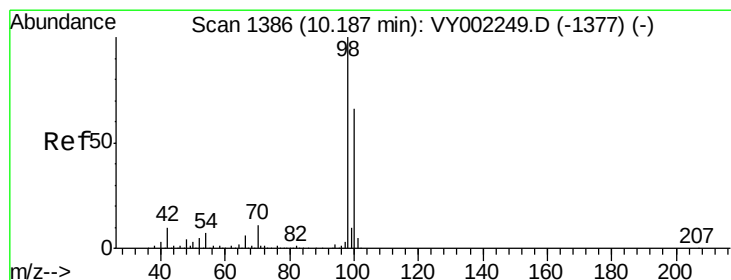
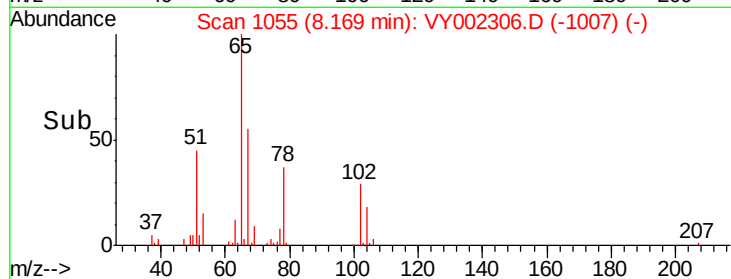
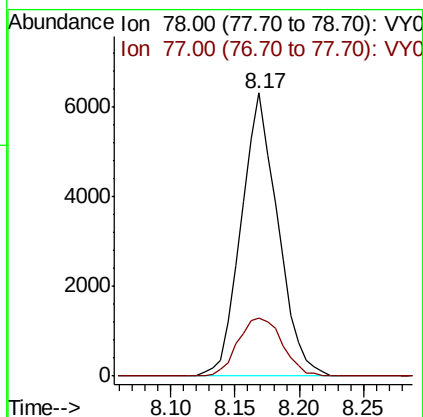
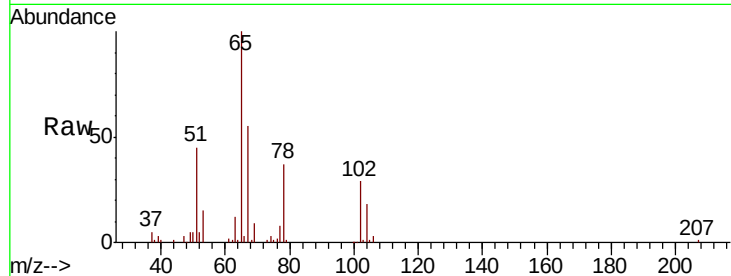




#40
Benzene
Concen: 1.507 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY002306.D
Acq: 14 Apr 2020 14:19

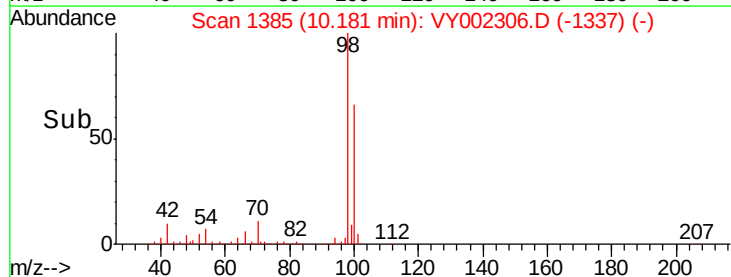
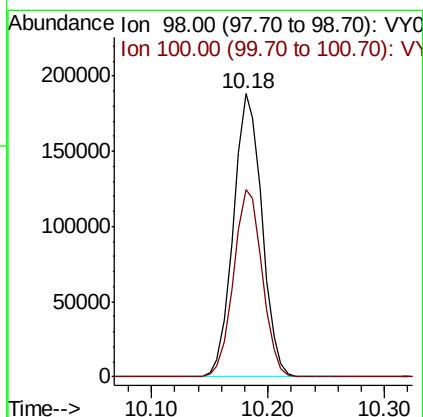
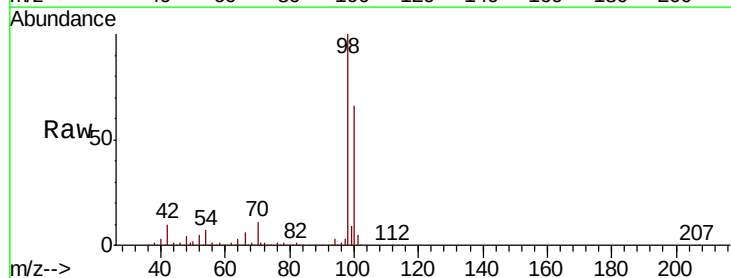
Instrument :
MSVOA_Y
ClientSampleId :

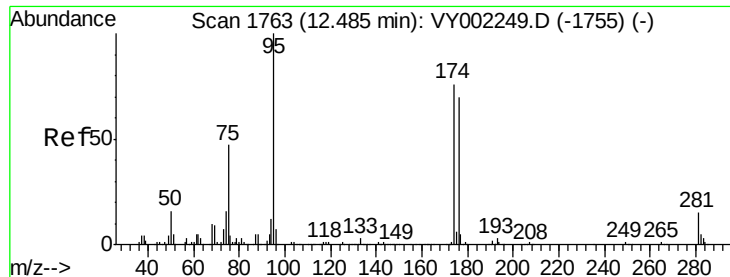
Tot Ion: 78 Resp: 12424
Ion Ratio Lower Upper
78 100
77 20.7 18.9 28.3



#50
Toluene-d8
Concen: 46.837 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY002306.D
Acq: 14 Apr 2020 14:19

Tgt Ion: 98 Resp: 321773
Ion Ratio Lower Upper
98 100
100 66.4 52.6 78.8

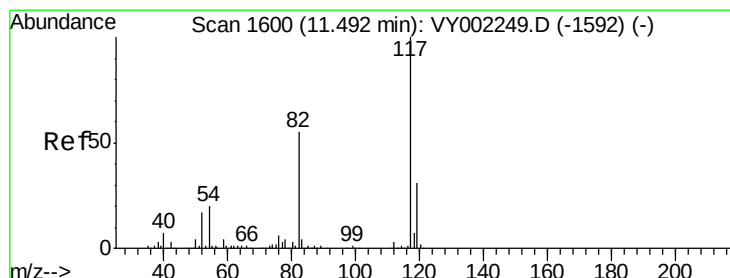
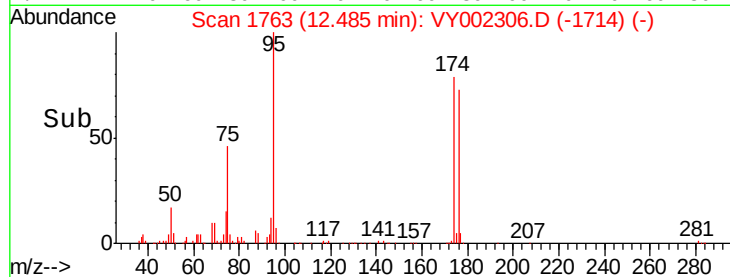
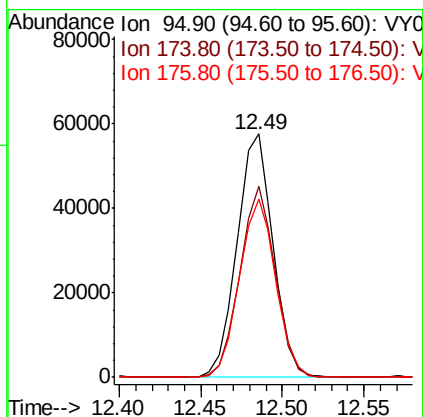
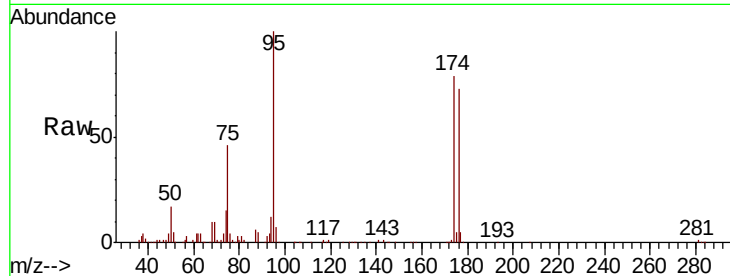




#62
4-Bromofluorobenzene
Concen: 38.861 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VY002306.D
Acq: 14 Apr 2020 14:19

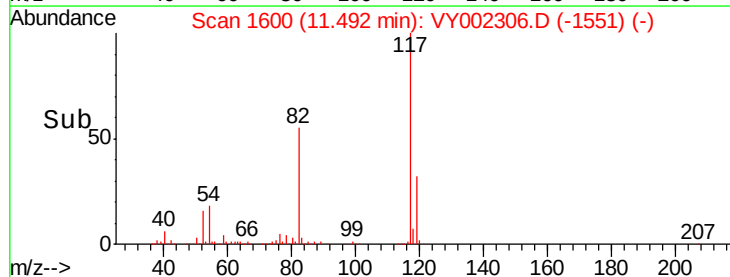
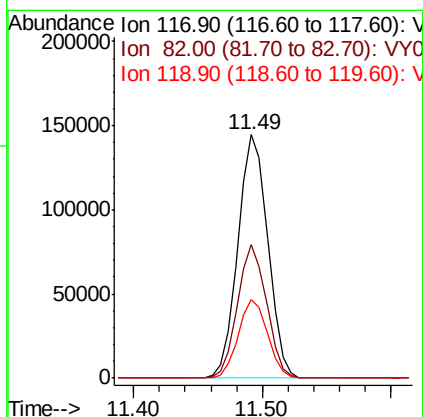
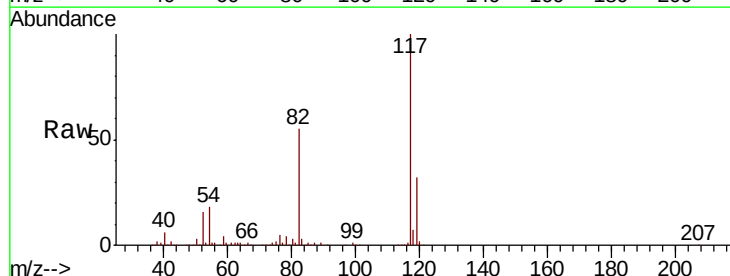
Instrument :
MSVOA_Y
ClientSampleId :

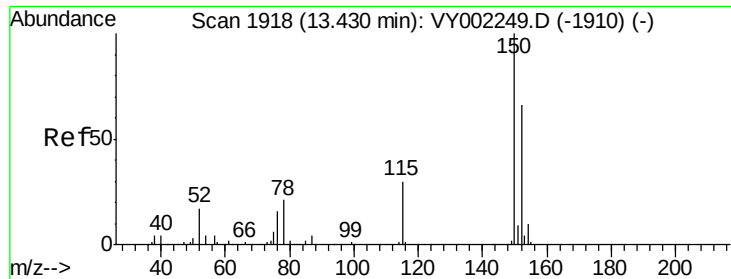
Tot Ion: 95 Resp: 88080
Ion Ratio Lower Upper
95 100
174 77.7 0.0 150.6
176 74.1 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002306.D
Acq: 14 Apr 2020 14:19

Tgt Ion: 117 Resp: 232258
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.4
119 32.3 25.1 37.7



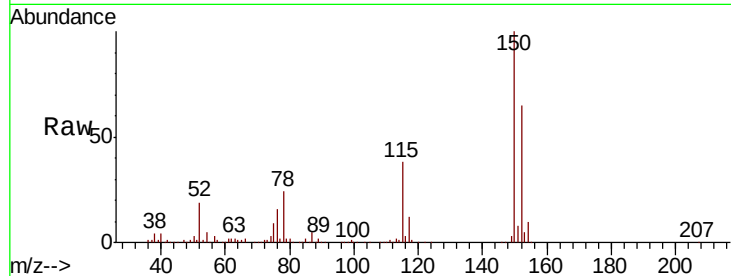


#72

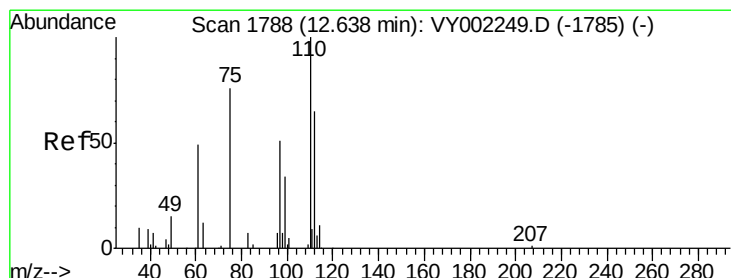
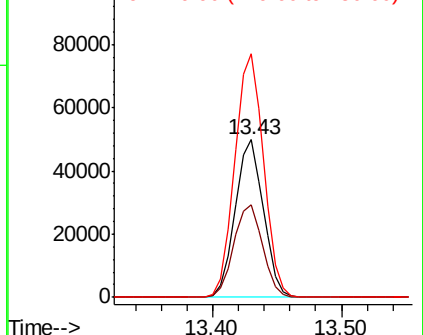
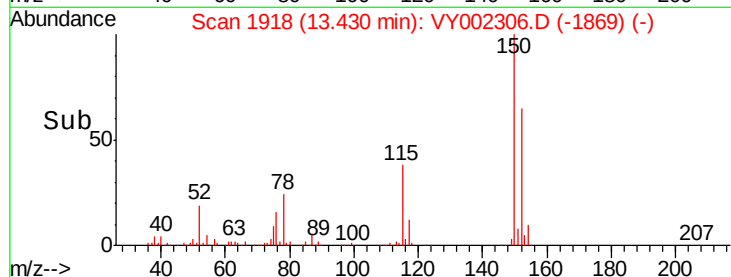
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY002306.D
Acq: 14 Apr 2020 14:19

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:152 Resp: 75693
Ion Ratio Lower Upper
152 100
115 60.4 30.7 92.1
150 157.4 0.0 350.6



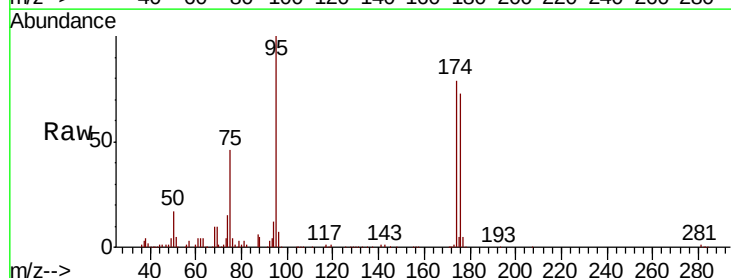
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



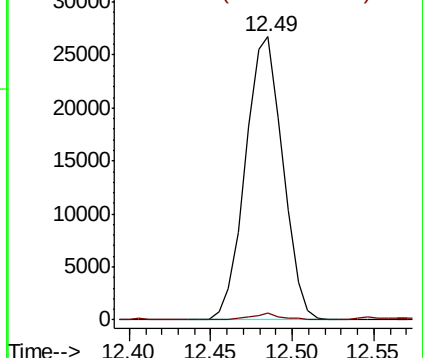
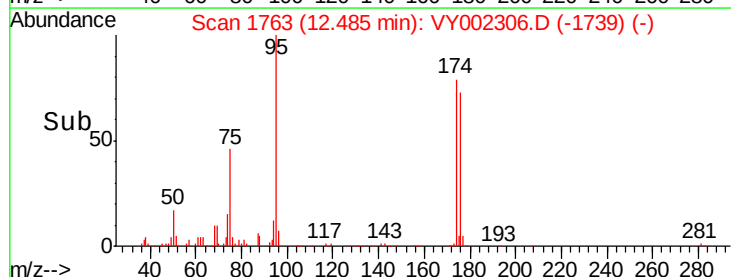
#76

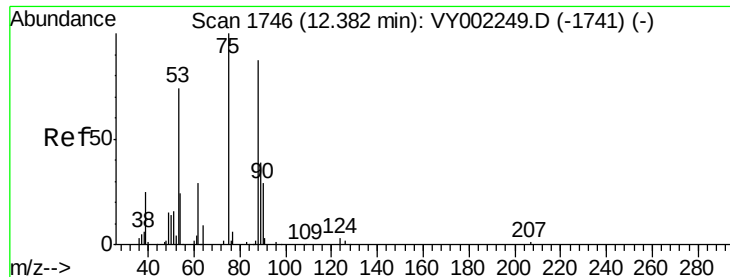
1,2,3-Trichloropropane
Concen: 48.489 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.15 min
Lab File: VY002306.D
Acq: 14 Apr 2020 14:19

Tgt Ion: 75 Resp: 42620
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: 94.310 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002306.D

Acq: 14 Apr 2020 14:19

Instrument :

MSVOA_Y

ClientSampleId :

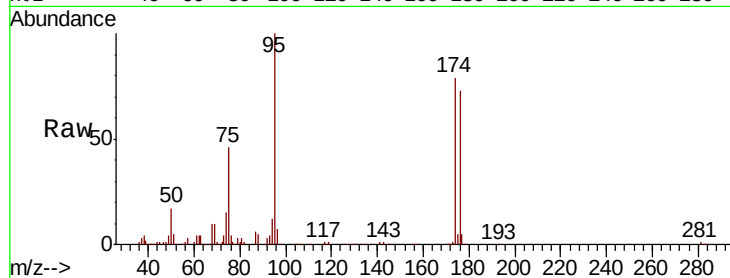
Tot Ion: 75 Resp: 42620

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

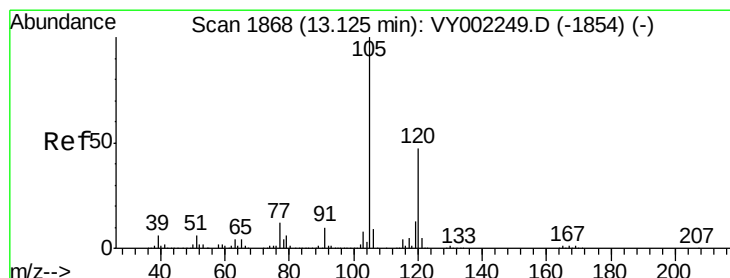
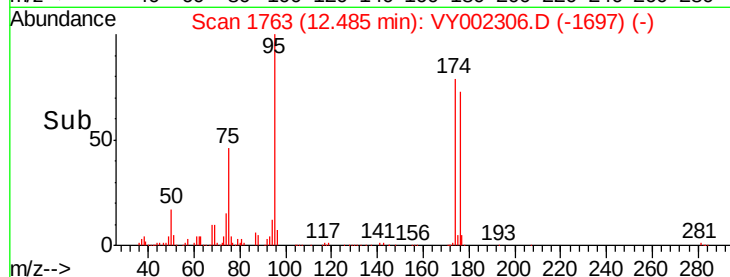
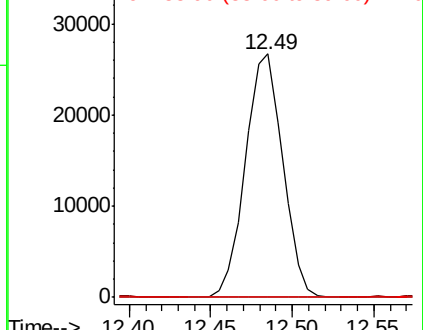
89 0.0 37.0 55.6#



Abundance Ion 74.90 (74.60 to 75.60): VY002249.D (-1741) (-)

Ion 53.00 (52.70 to 53.70): VY002249.D (-1741) (-)

Ion 88.90 (88.60 to 89.60): VY002249.D (-1741) (-)



#84

1,2,4-Trimethylbenzene

Concen: 1.191 ug/l

RT: 13.13 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VY002306.D

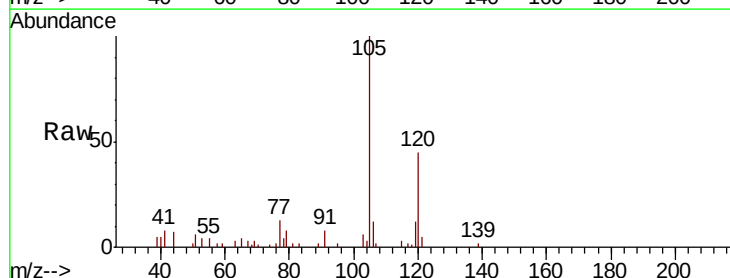
Acq: 14 Apr 2020 14:19

Tgt Ion: 105 Resp: 5850

Ion Ratio Lower Upper

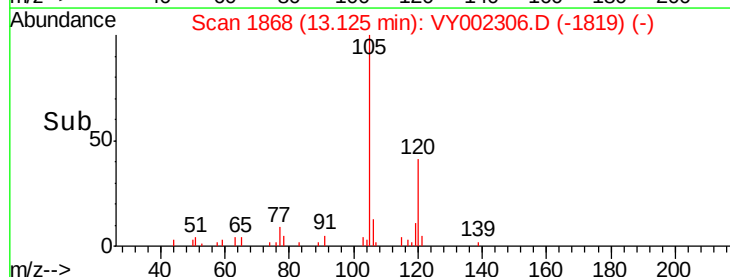
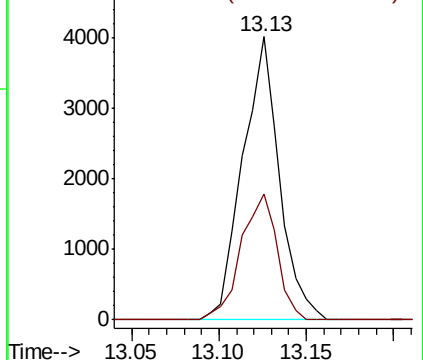
105 100

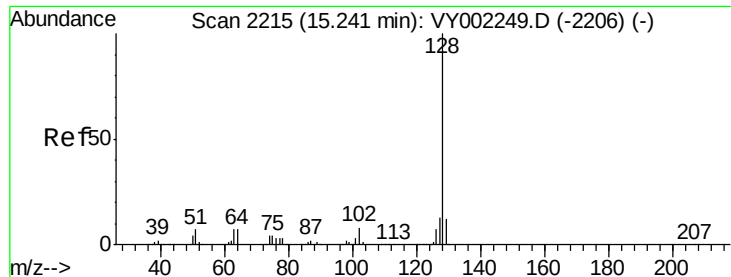
120 43.9 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): VY002249.D (-1854) (-)

Ion 120.00 (119.70 to 120.70): VY002249.D (-1854) (-)

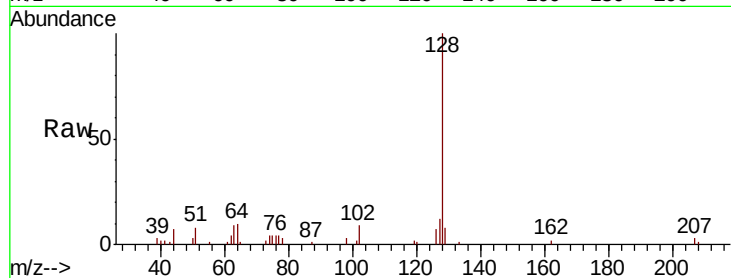




#95
Naphthalene
Concen: 3.344 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY002306.D
Acq: 14 Apr 2020 14:19

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.1	15.1
129	11.2	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

