

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021720\
 Data File : VY001656.D
 Acq On : 17 Feb 2020 18:58
 Operator : SY/MD
 Sample : L1546-16
 Misc : 7.21G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 18 00:37:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	26613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	40934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	29516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	11114	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	10346	36.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.28%	
35) Dibromofluoromethane	7.75	113	10313	43.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.98%	
50) Toluene-d8	10.20	98	45576	49.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.50	95	11503	32.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	64.48%	

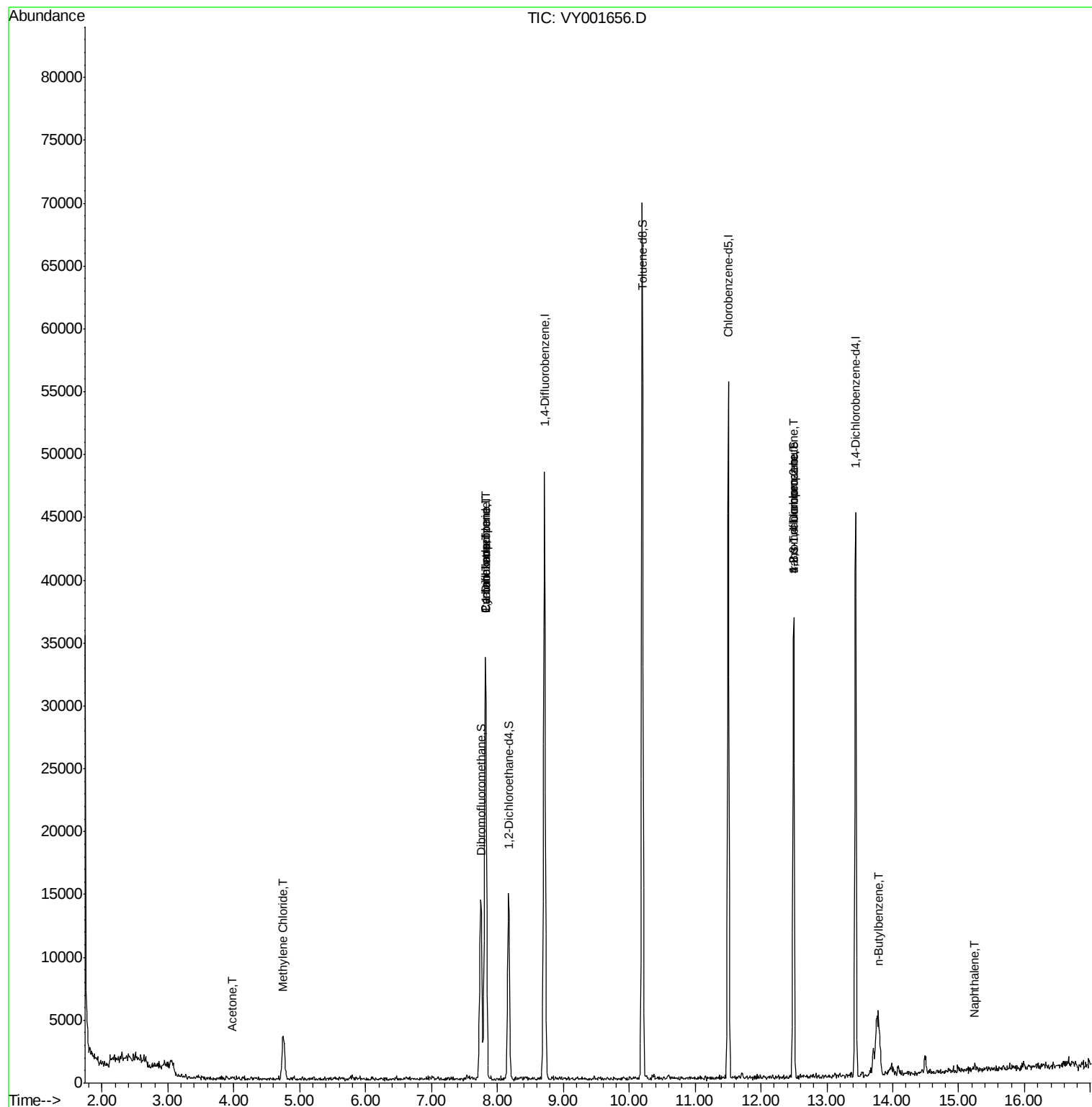
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.98	43	360	3.635	ug/l #	41
20) Methylene Chloride	4.75	84	2363	6.716	ug/l	89
31) Cyclohexane	7.82	56	729	1.212	ug/l #	26
36) 1,1-Dichloropropene	7.83	75	2317	5.926	ug/l #	47
38) Carbon Tetrachloride	7.82	117	2379	6.927	ug/l #	13
76) 1,2,3-Trichloropropane	12.50	75	6176	48.442	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	6176	91.903	ug/l #	17
89) n-Butylbenzene	13.78	91	1721	2.249	ug/l #	54
95) Naphthalene	15.24	128	534	1.064	ug/l #	70

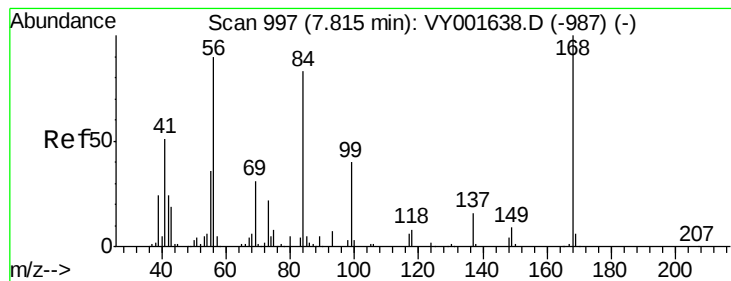
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001656.D

Acq: 17 Feb 2020 18:58

Instrument :

MSVOA_Y

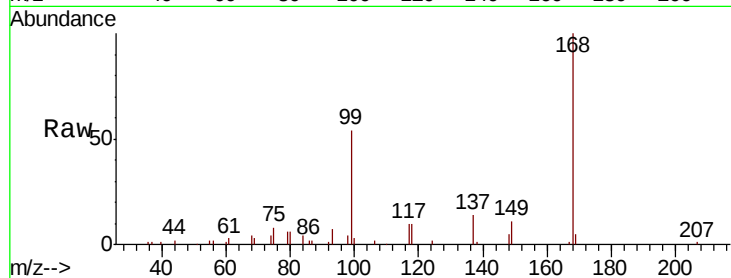
ClientSampleId :

Tot Ion:168 Resp: 26613

Ion Ratio Lower Upper

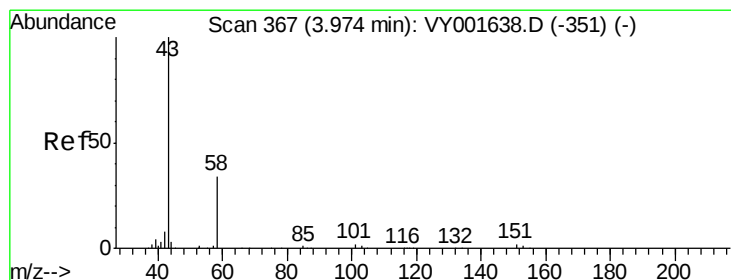
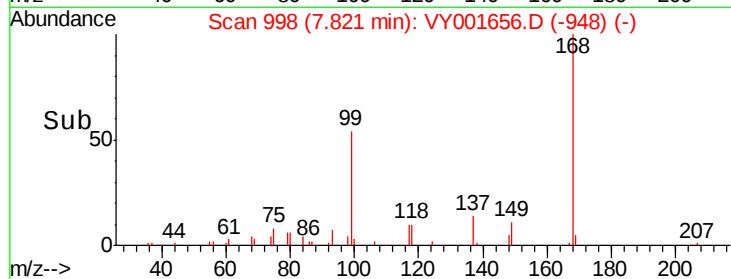
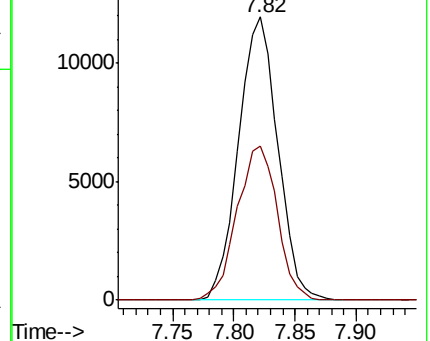
168 100

99 54.5 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)



#16

Acetone

Concen: 3.635 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001656.D

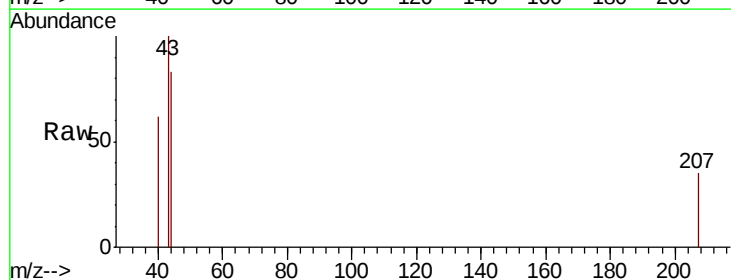
Acq: 17 Feb 2020 18:58

Tgt Ion: 43 Resp: 360

Ion Ratio Lower Upper

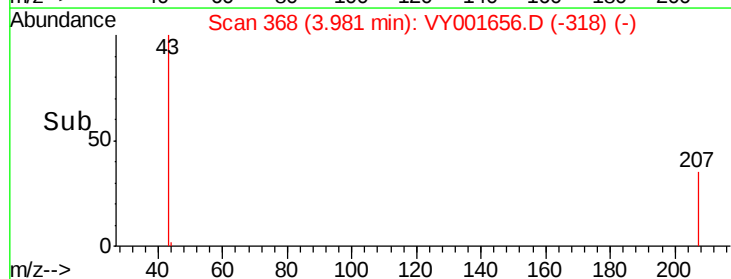
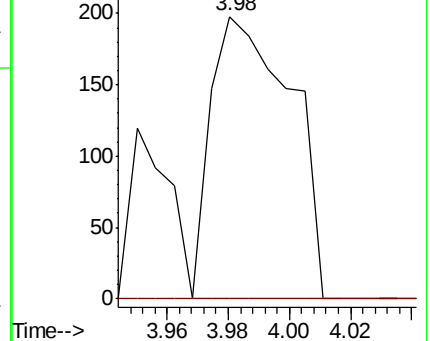
43 100

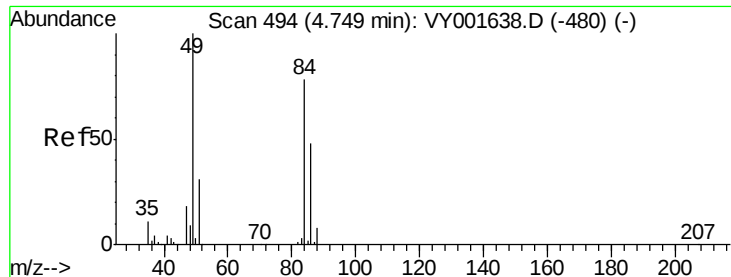
58 0.0 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VY001638.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY001638.D (-351) (-)

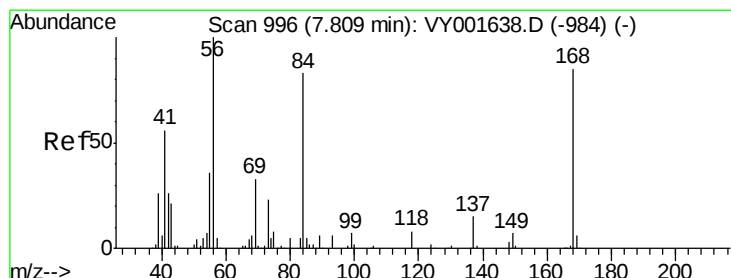
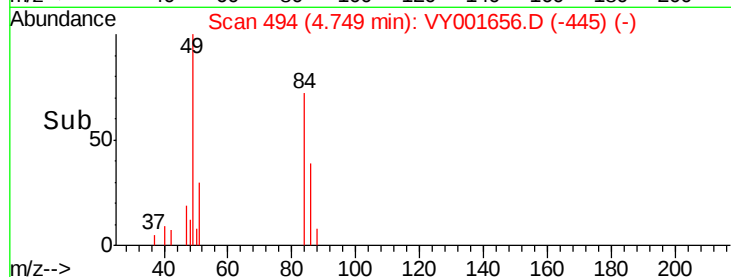
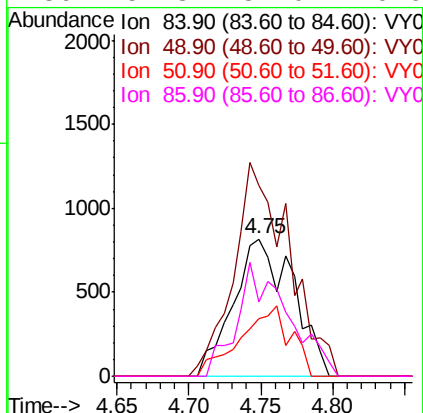
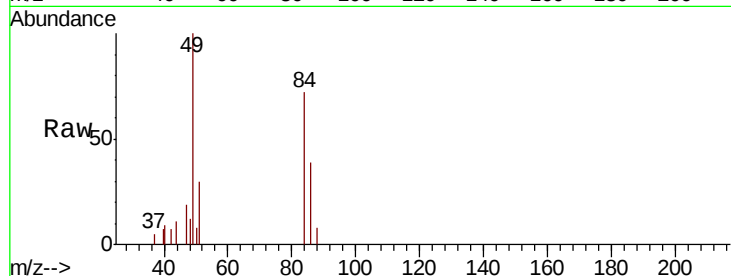




#20
Methylene Chloride
Concen: 6.716 ug/l
RT: 4.75 min Scan# 494
Delta R.T. 0.00 min
Lab File: VY001656.D
Acq: 17 Feb 2020 18:58

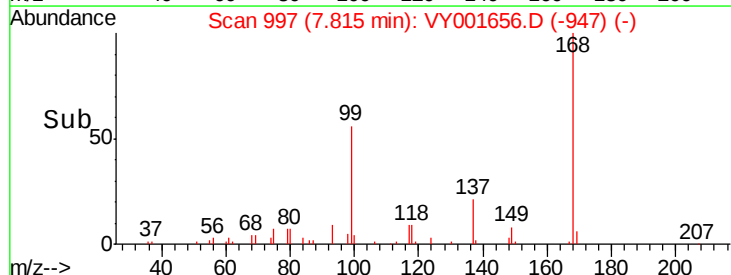
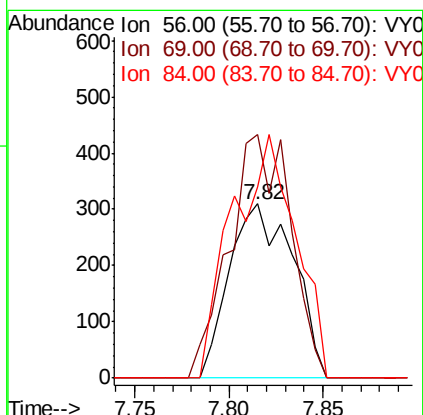
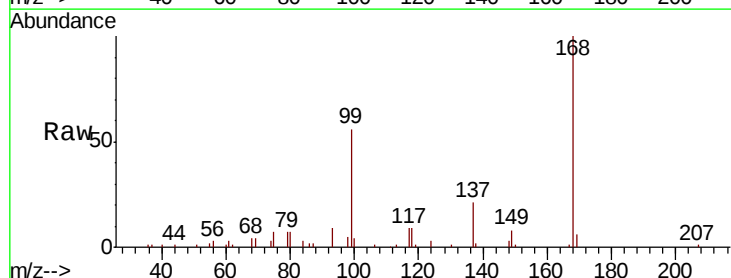
Instrument :
MSVOA_Y
ClientSampled :

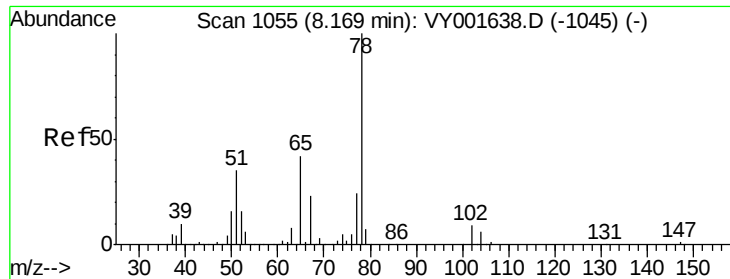
Tot Ion: 84 Resp: 2363
Ion Ratio Lower Upper
84 100
49 138.8 99.2 148.8
51 42.2 31.5 47.3
86 54.3 51.0 76.6



#31
Cyclohexane
Concen: 1.212 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY001656.D
Acq: 17 Feb 2020 18:58

Tgt Ion: 56 Resp: 729
Ion Ratio Lower Upper
56 100
69 139.7 25.1 37.7#
84 109.7 66.9 100.3#

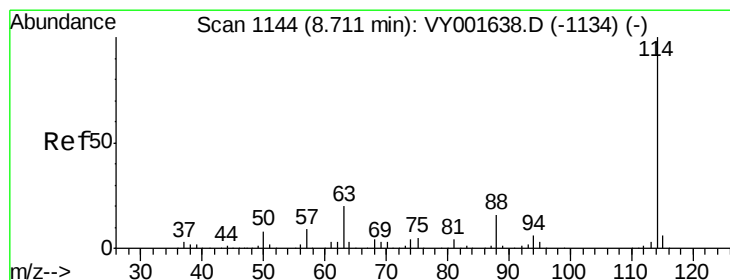
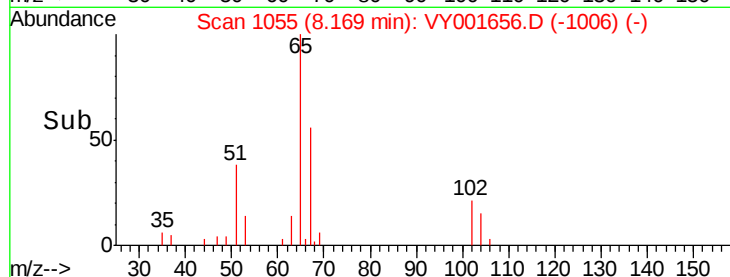
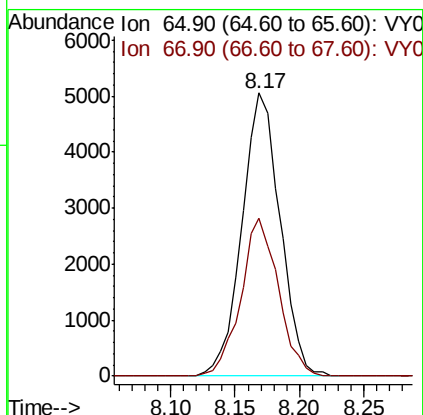
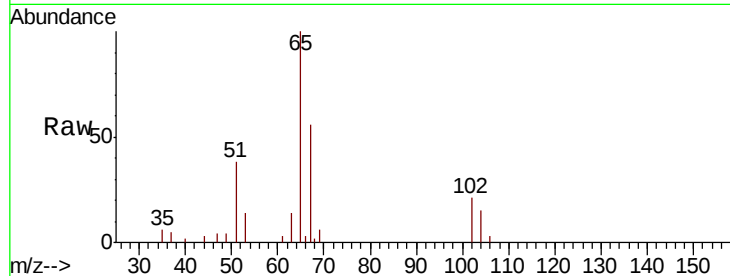




#33
 1,2-Dichloroethane-d4
 Concen: 36.142 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001656.D
 Acq: 17 Feb 2020 18:58

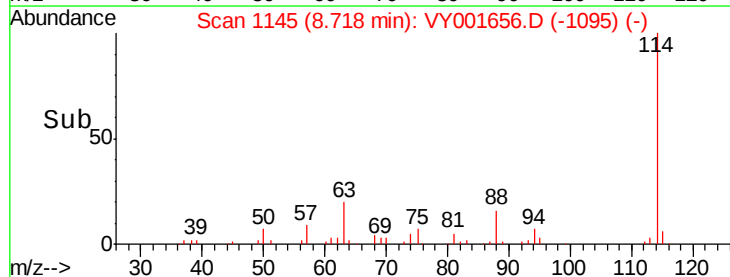
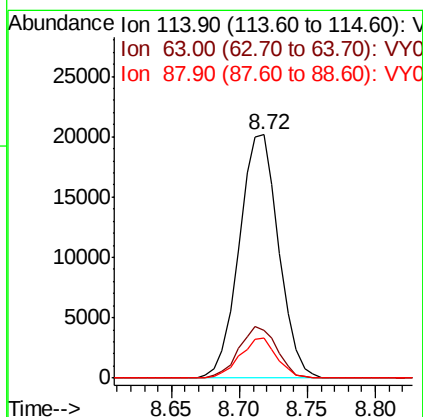
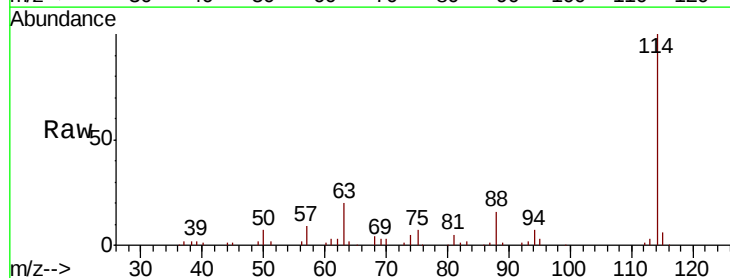
Instrument :
 MSVOA_Y
 ClientSampleId :

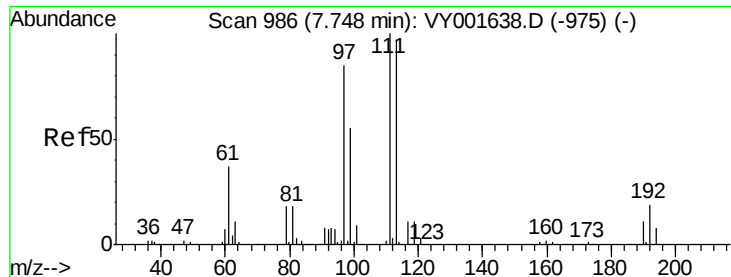
Tot Ion: 65 Resp: 10346
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001656.D
 Acq: 17 Feb 2020 18:58

Tgt Ion: 114 Resp: 40934
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.4
 88 16.3 0.0 32.8

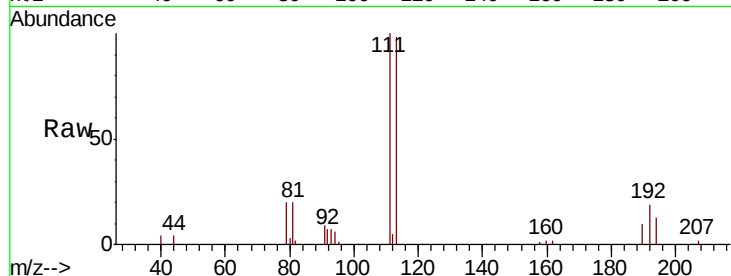




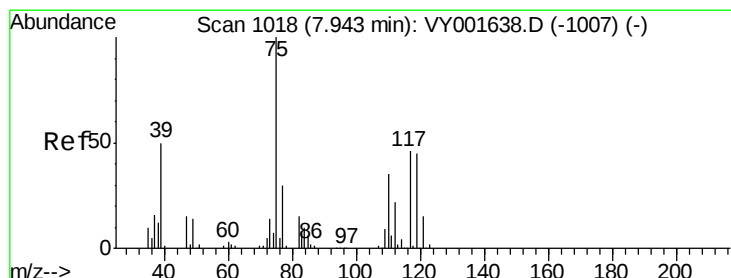
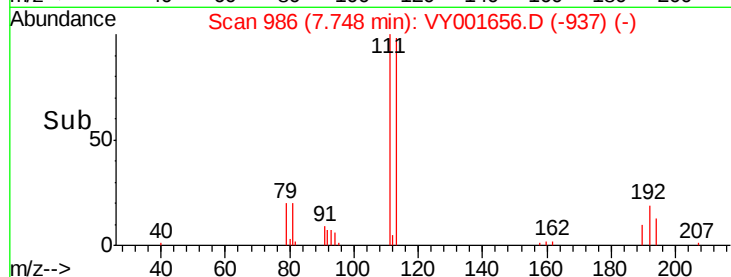
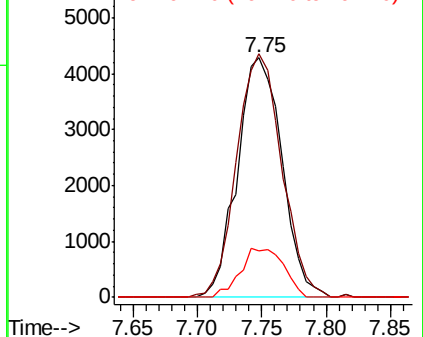
#35
Dibromofluoromethane
Concen: 43.988 ug/l
RT: 7.75 min Scan# 986
Delta R.T. 0.00 min
Lab File: VY001656.D
Acq: 17 Feb 2020 18:58

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:113 Resp: 10313
Ion Ratio Lower Upper
113 100
111 102.5 81.9 122.9
192 19.6 14.3 21.5

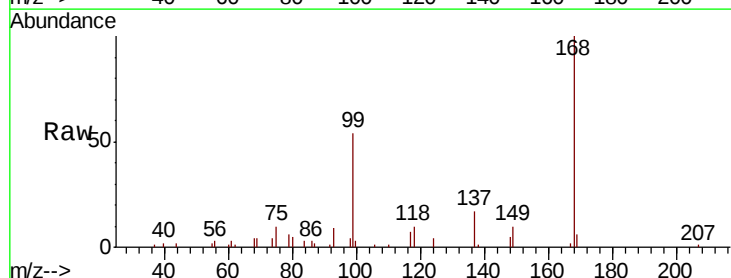


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

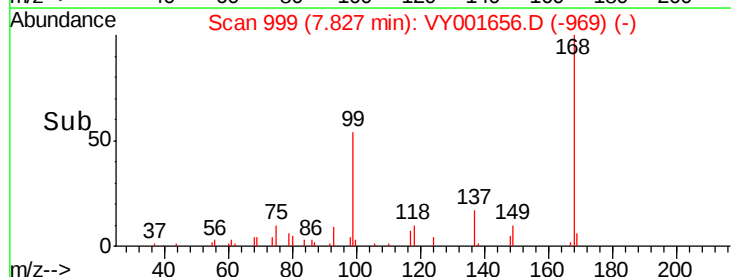
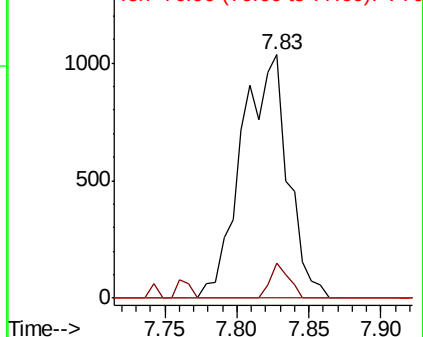


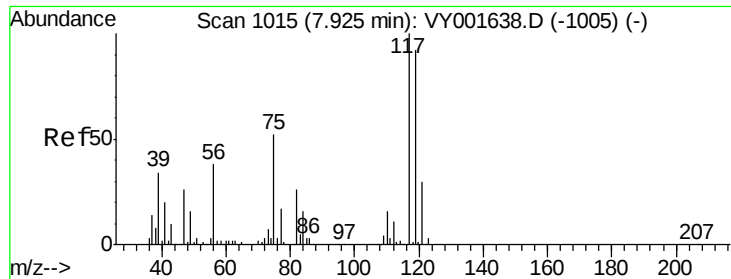
#36
1,1-Dichloropropene
Concen: 5.926 ug/l
RT: 7.83 min Scan# 999
Delta R.T. -0.12 min
Lab File: VY001656.D
Acq: 17 Feb 2020 18:58

Tgt Ion: 75 Resp: 2317
Ion Ratio Lower Upper
75 100
110 5.7 17.2 51.6#
77 0.0 24.8 37.2#



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: 6.927 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.10 min

Lab File: VY001656.D

Acq: 17 Feb 2020 18:58

Instrument :

MSVOA_Y

ClientSampleId :

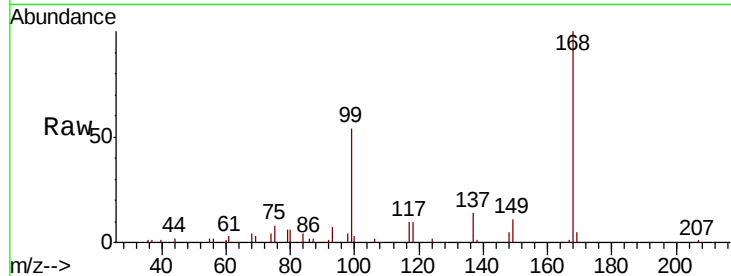
Tot Ion:117 Resp: 2379

Ion Ratio Lower Upper

117 100

119 0.0 74.8 112.2#

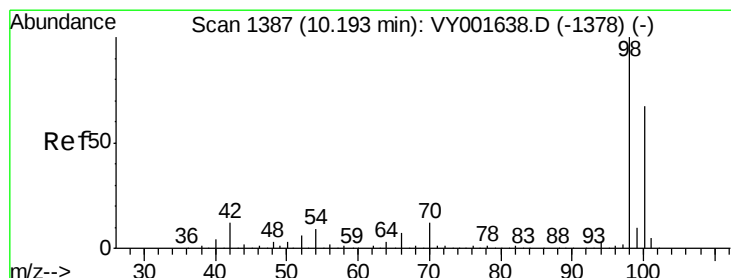
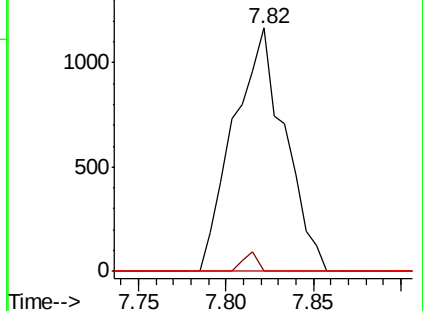
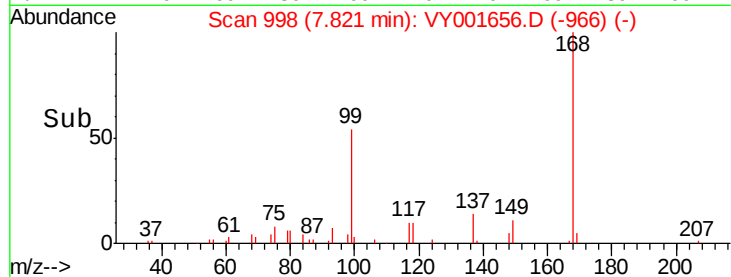
121 0.0 23.8 35.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.619 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001656.D

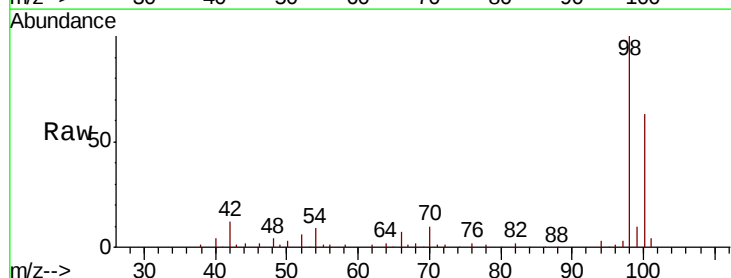
Acq: 17 Feb 2020 18:58

Tgt Ion: 98 Resp: 45576

Ion Ratio Lower Upper

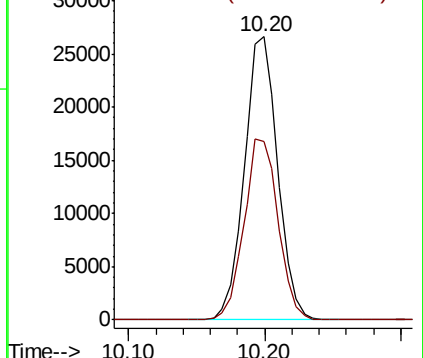
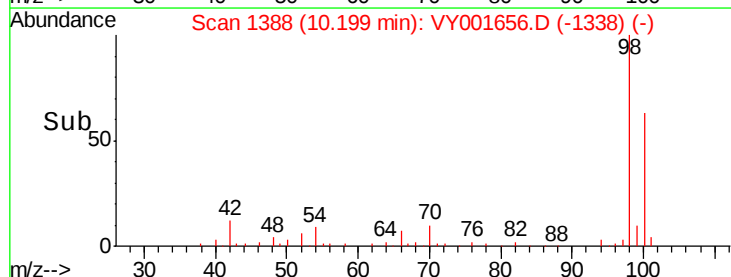
98 100

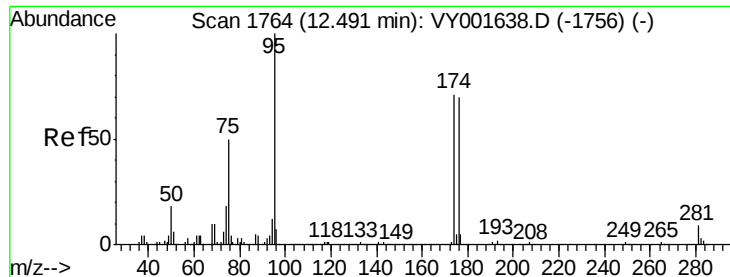
100 65.3 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

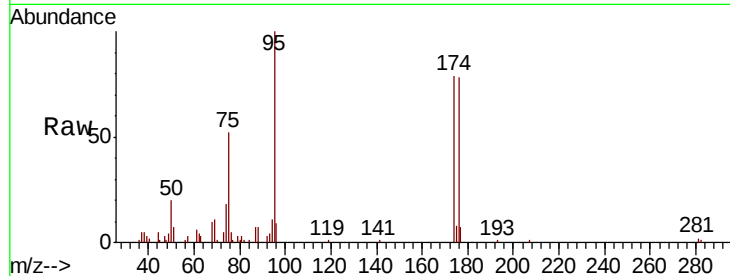




#62
4-Bromofluorobenzene
Concen: 32.236 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.01 min
Lab File: VY001656.D
Acq: 17 Feb 2020 18:58

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	95	Resp	11503
Ion Ratio	100	Lower	Upper
174	76.8	0.0	138.4
176	75.5	0.0	131.8

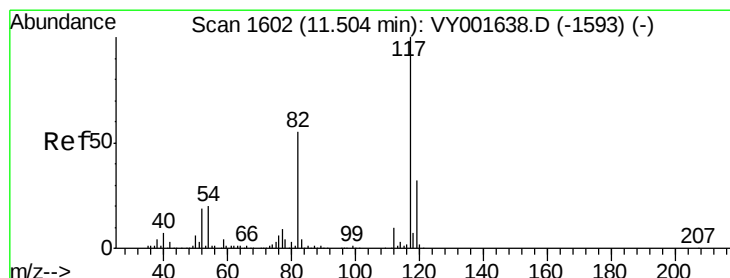
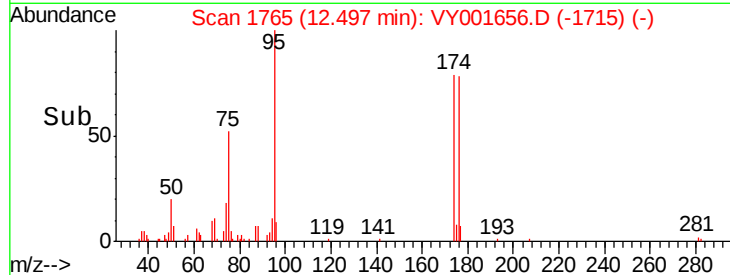
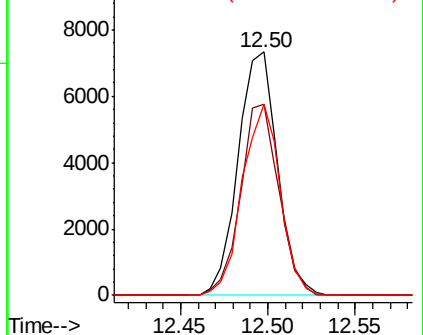


Abundance

Ion 94.90 (94.60 to 95.60): VY001638.D (-1756) (-)

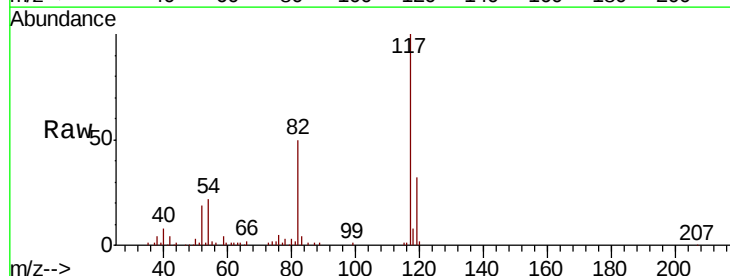
Ion 173.80 (173.50 to 174.50): VY001638.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001638.D (-1756) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001656.D
Acq: 17 Feb 2020 18:58

Tgt Ion	117	Resp	29516
Ion Ratio	100	Lower	Upper
82	50.0	45.5	68.3
119	31.8	25.8	38.6

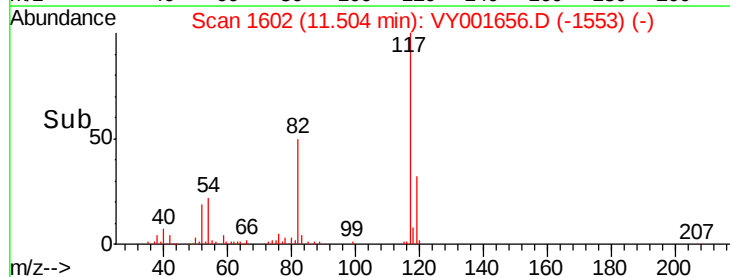
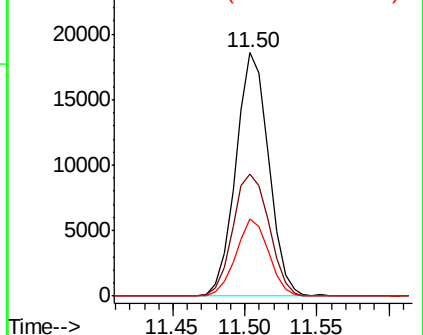


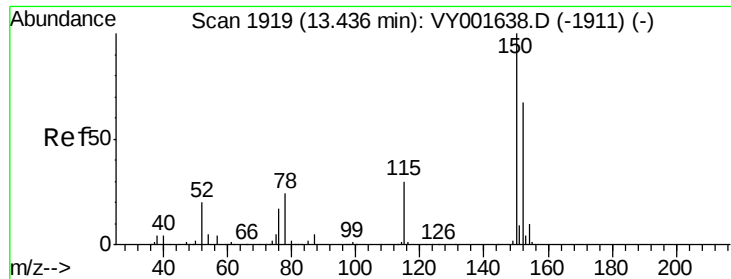
Abundance

Ion 116.90 (116.60 to 117.60): VY001638.D (-1593) (-)

Ion 82.00 (81.70 to 82.70): VY001638.D (-1593) (-)

Ion 118.90 (118.60 to 119.60): VY001638.D (-1593) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001656.D

Acq: 17 Feb 2020 18:58

Instrument :

MSVOA_Y

ClientSampleId :

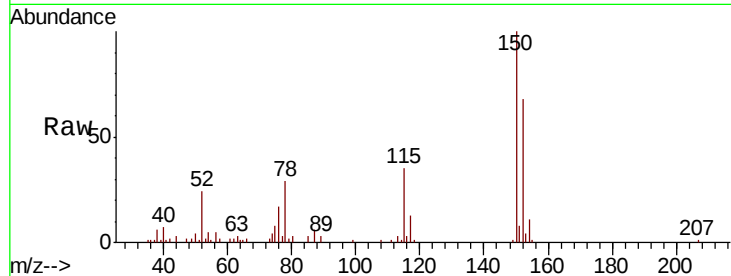
Tot Ion:152 Resp: 11114

Ion Ratio Lower Upper

152 100

115 56.7 31.4 94.2

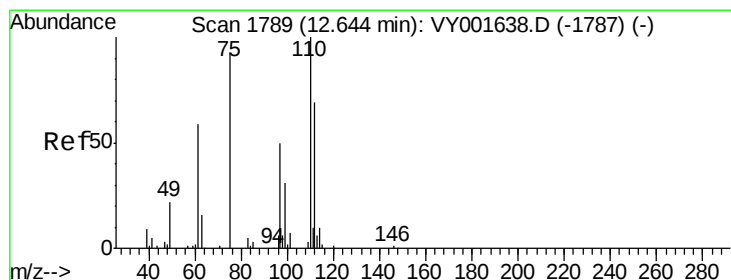
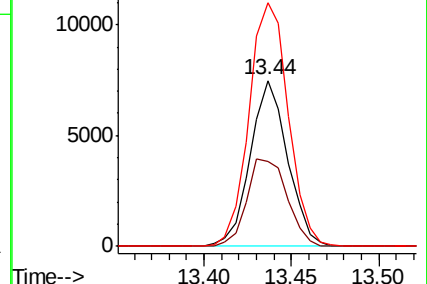
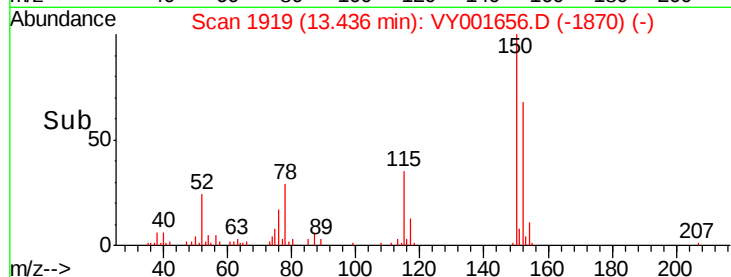
150 154.0 0.0 407.2



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: 48.442 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.15 min

Lab File: VY001656.D

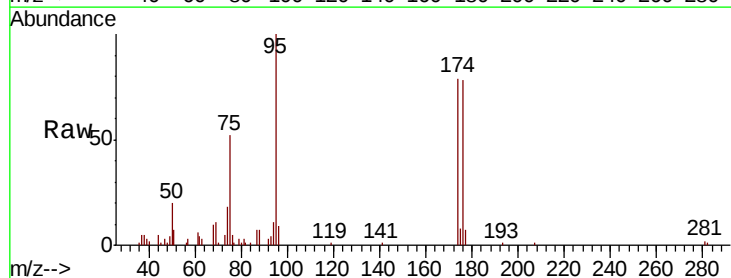
Acq: 17 Feb 2020 18:58

Tgt Ion: 75 Resp: 6176

Ion Ratio Lower Upper

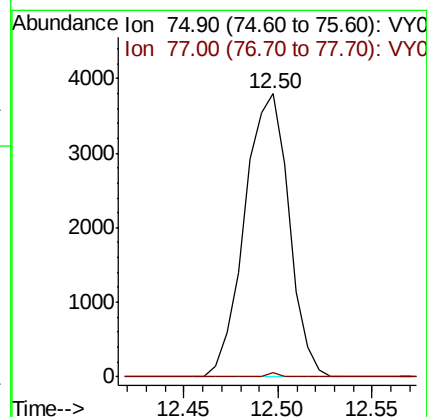
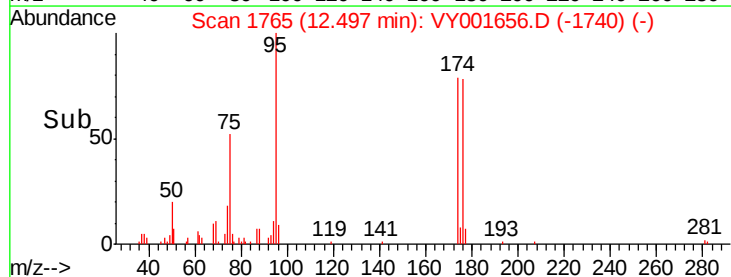
75 100

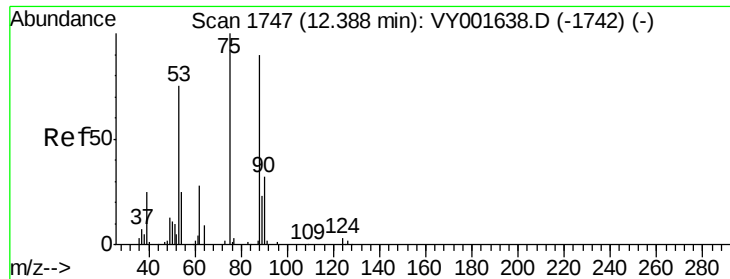
77 0.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

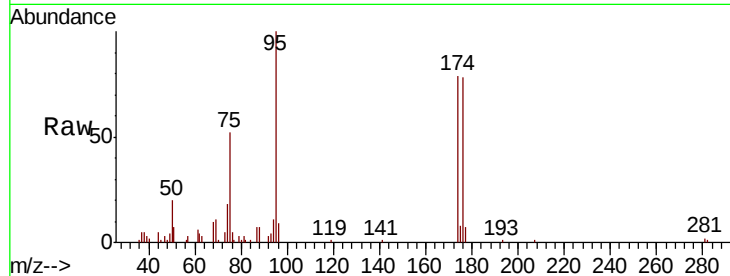




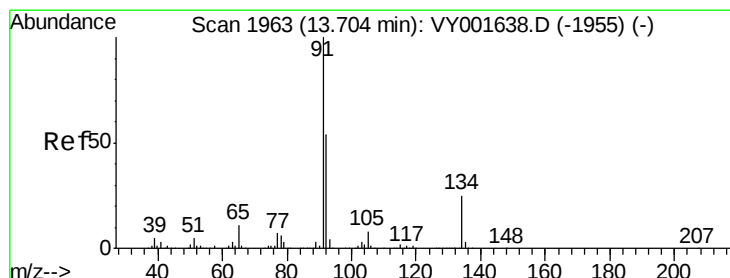
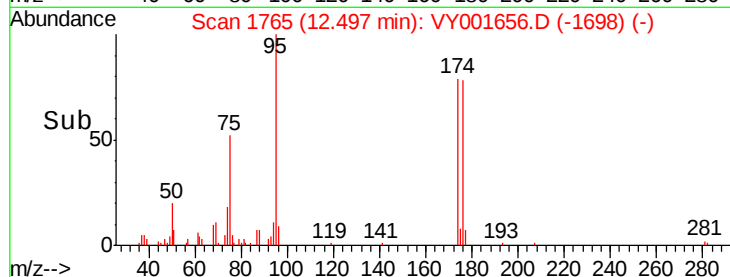
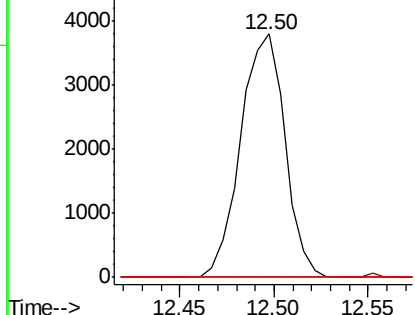
#81
trans-1,4-Dichloro-2-butene
Concen: 91.903 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.11 min
Lab File: VY001656.D
Acq: 17 Feb 2020 18:58

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 75 Resp: 6176
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 36.3 54.5#

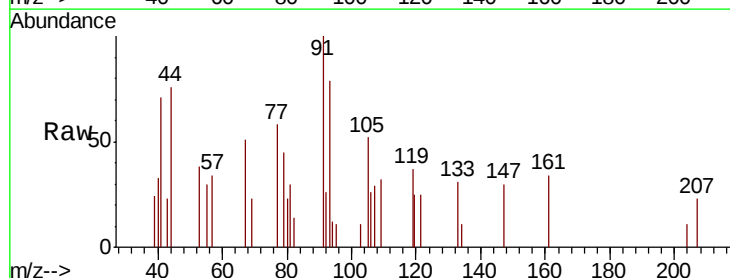


Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 53.00 (52.70 to 53.70): VY0
Ion 88.90 (88.60 to 89.60): VY0

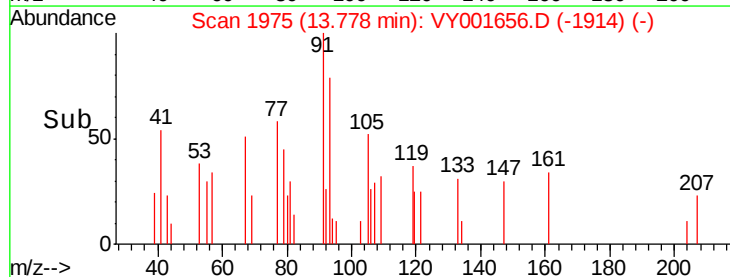
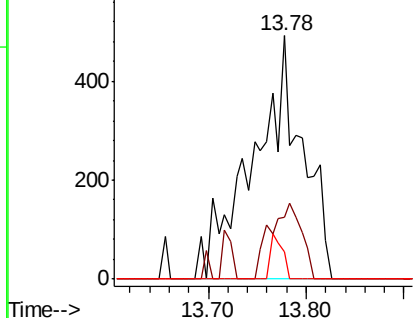


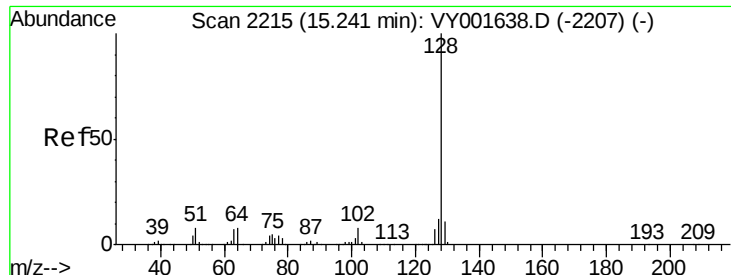
#89
n-Butylbenzene
Concen: 2.249 ug/l
RT: 13.78 min Scan# 1975
Delta R.T. 0.07 min
Lab File: VY001656.D
Acq: 17 Feb 2020 18:58

Tgt Ion: 91 Resp: 1721
Ion Ratio Lower Upper
91 100
92 20.0 27.5 82.4#
134 4.6 12.4 37.4#



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 92.00 (91.70 to 92.70): VY0
Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 1.064 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VY001656.D

Acq: 17 Feb 2020 18:58

Instrument :

MSVOA_Y

ClientSampleId :

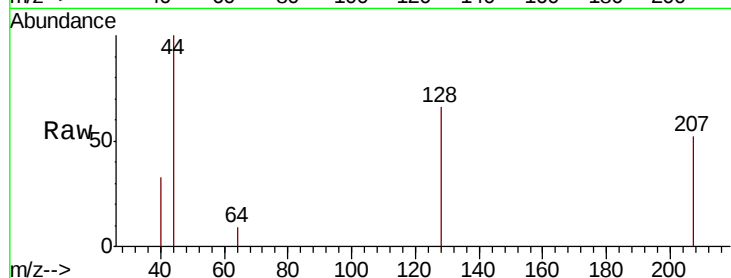
Tot Ion:128 Resp: 534

Ion Ratio Lower Upper

128 100

127 0.0 9.9 14.9#

129 0.0 8.6 13.0#



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

