

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
 Data File : VY002071.D
 Acq On : 25 Mar 2020 16:52
 Operator : SY/MD
 Sample : L2036-02
 Misc : 6.05G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 26 06:36:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

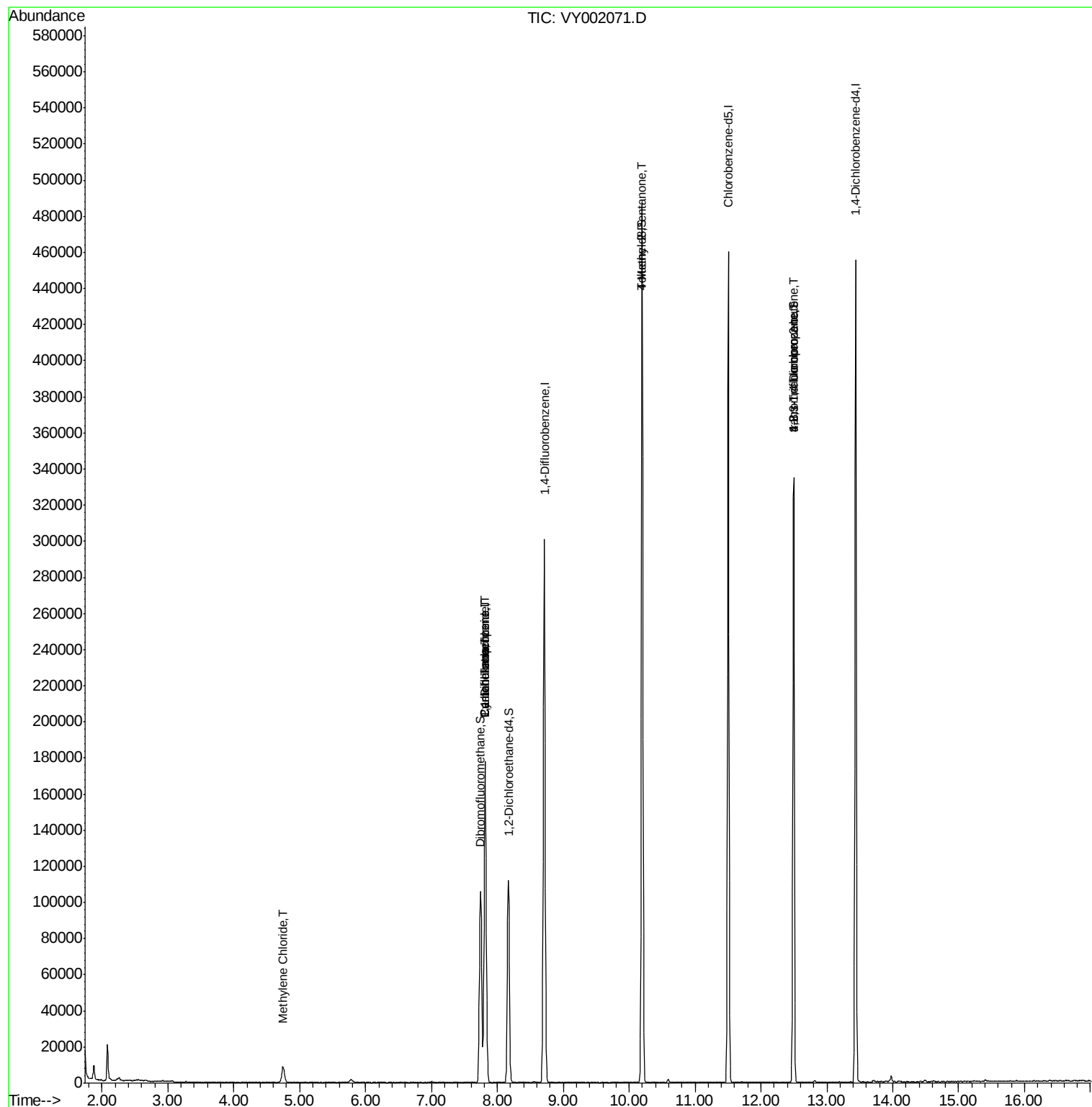
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	130828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	257901	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	241153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	108207	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	85471	61.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.40%	
35) Dibromofluoromethane	7.74	113	75870	53.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.76%	
50) Toluene-d8	10.19	98	315209	53.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.16%	
62) 4-Bromofluorobenzene	12.49	95	108809	52.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.40%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.00	59	39	Below Cal	#	74
20) Methylene Chloride	4.75	84	6445	3.697	ug/l	92
31) Cyclohexane	7.82	56	3183	1.037	ug/l #	10
36) 1,1-Dichloropropene	7.81	75	11080	4.465	ug/l #	49
38) Carbon Tetrachloride	7.82	117	13713	6.468	ug/l #	17
51) 4-Methyl-2-Pentanone	10.20	43	1525	1.084	ug/l #	1
76) 1,2,3-Trichloropropane	12.50	75	57439	44.736	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	57439	90.365	ug/l #	17

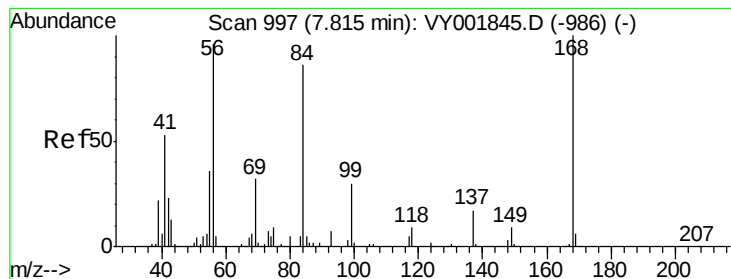
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY002071.D

Acq: 25 Mar 2020 16:52

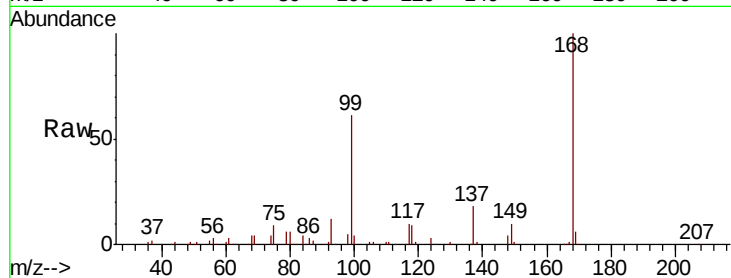
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 130828

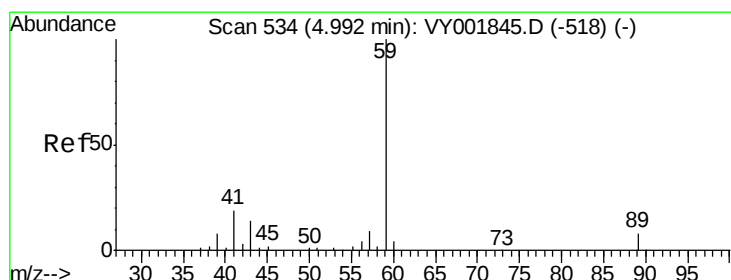
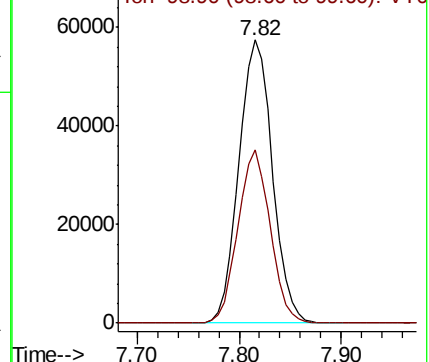
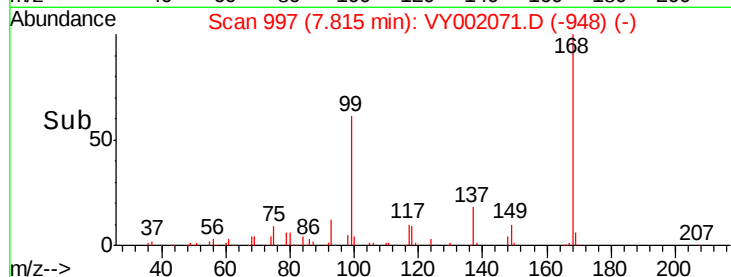
Ion Ratio Lower Upper

168 100

99 61.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY002071.D (-948) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.00 min Scan# 535

Delta R.T. 0.01 min

Lab File: VY002071.D

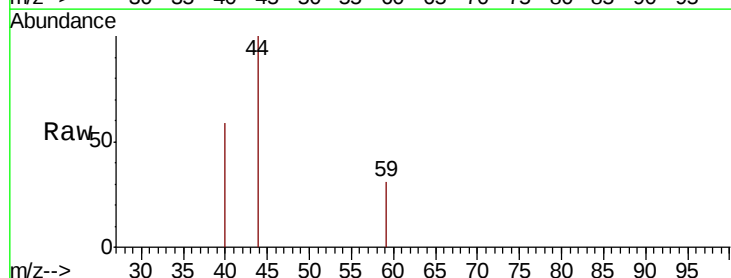
Acq: 25 Mar 2020 16:52

Tgt Ion: 59 Resp: 39

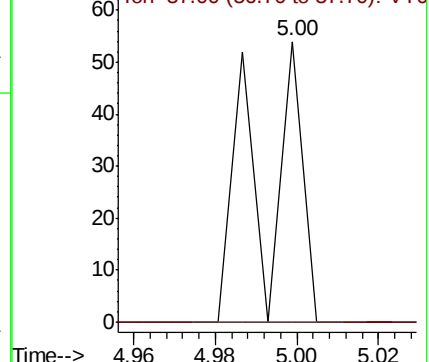
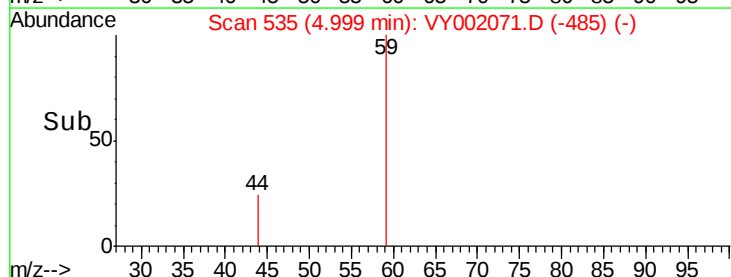
Ion Ratio Lower Upper

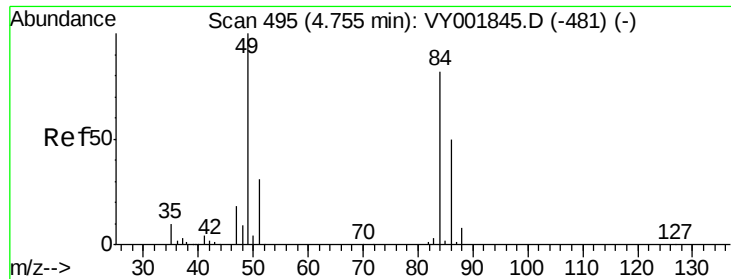
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY002071.D (-485) (-)

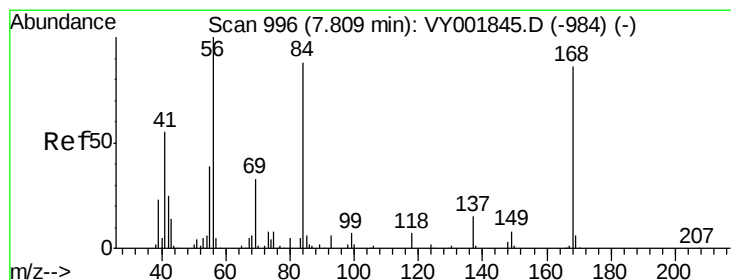
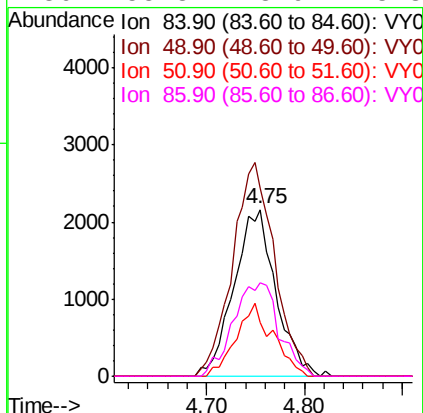
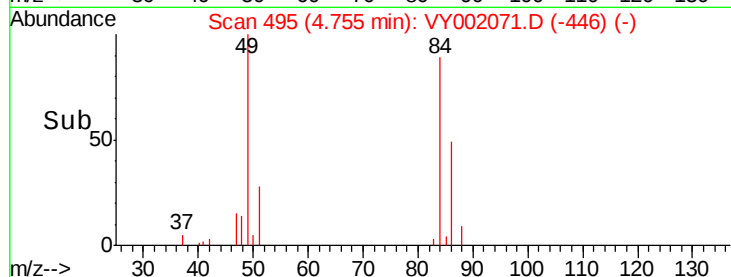
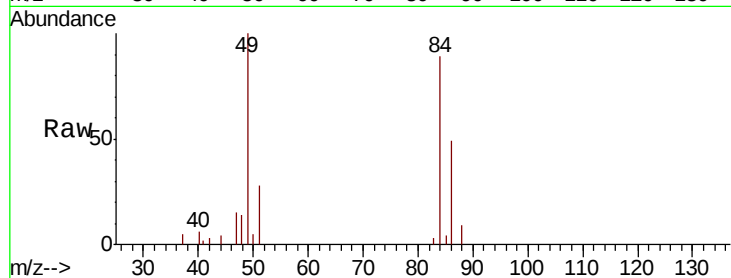




#20
Methvlene Chloride
Concen: 3.697 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.00 min
Lab File: VY002071.D
Acq: 25 Mar 2020 16:52

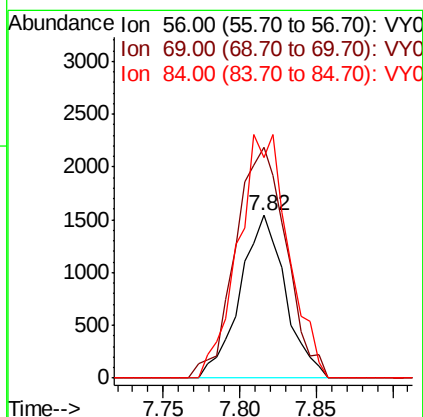
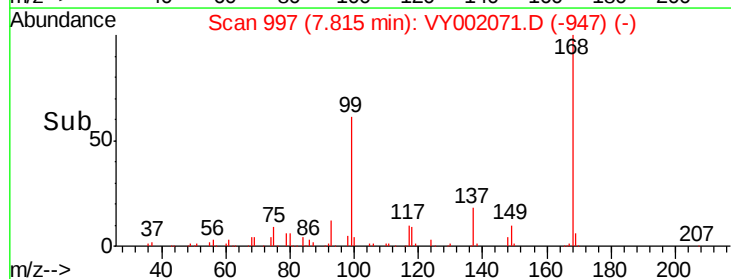
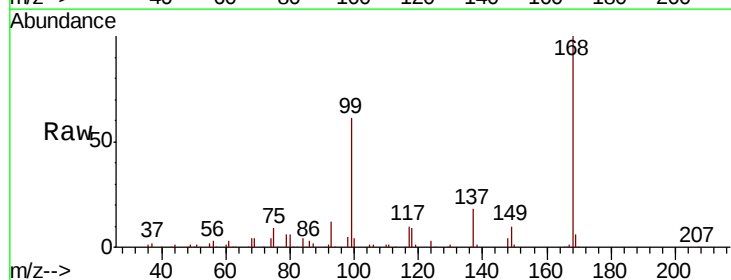
Instrument :
MSVOA_Y
ClientSampleId :

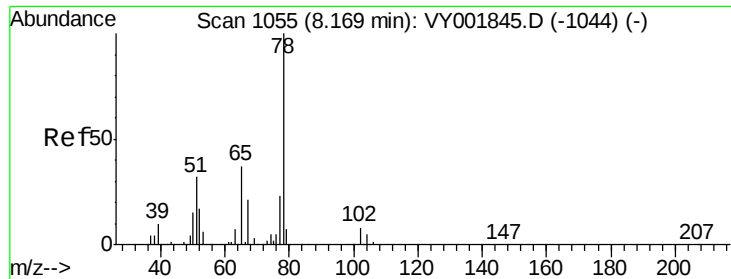
Tot Ion:	84	Resp:	6445
Ion	Ratio	Lower	Upper
84	100		
49	112.9	98.2	147.2
51	31.9	30.2	45.2
86	55.8	48.9	73.3



#31
Cyclohexane
Concen: 1.037 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY002071.D
Acq: 25 Mar 2020 16:52

Tgt Ion:	56	Resp:	3183
Ion	Ratio	Lower	Upper
56	100		
69	142.0	26.7	40.1#
84	136.1	70.4	105.6#





#33

1,2-Dichloroethane-d4

Concen: 61.196 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY002071.D

Acq: 25 Mar 2020 16:52

Instrument :

MSVOA_Y

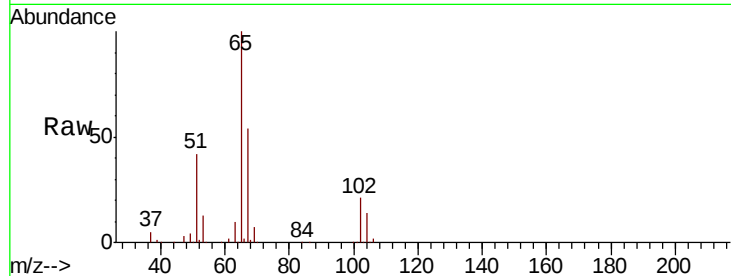
ClientSampleId :

Tot Ion: 65 Resp: 85471

Ion Ratio Lower Upper

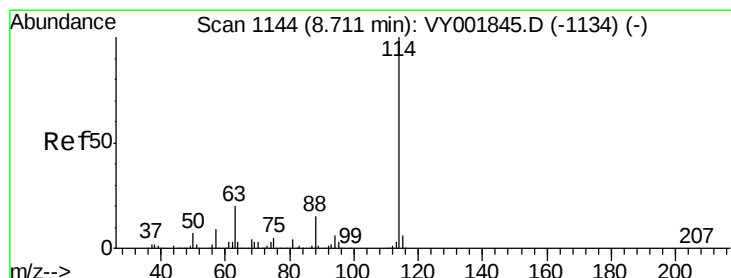
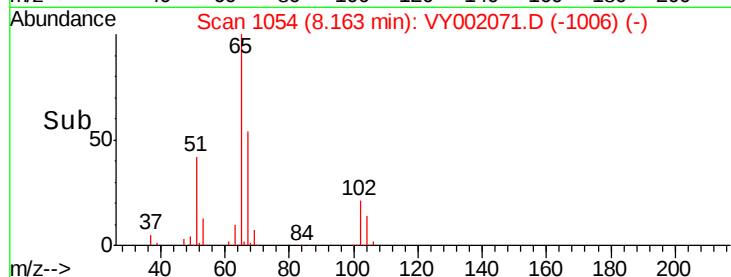
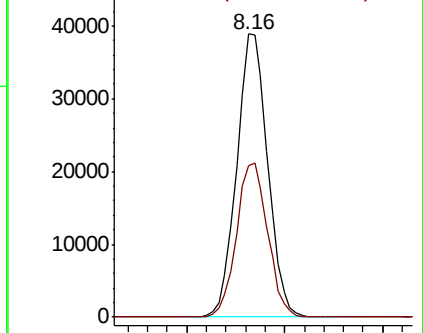
65 100

67 54.7 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY002071.D

Acq: 25 Mar 2020 16:52

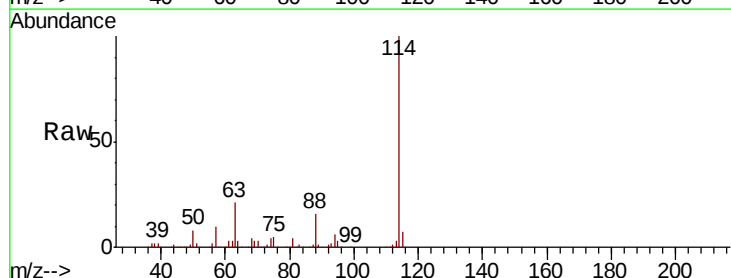
Tgt Ion: 114 Resp: 257901

Ion Ratio Lower Upper

114 100

63 21.4 0.0 39.4

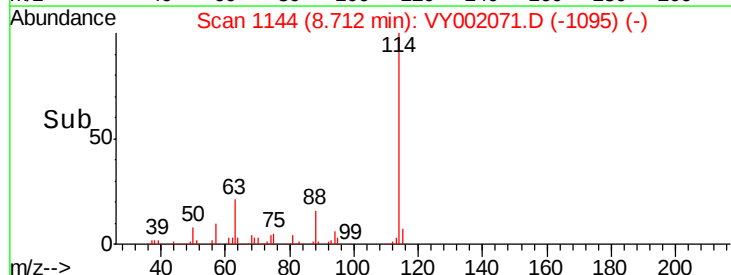
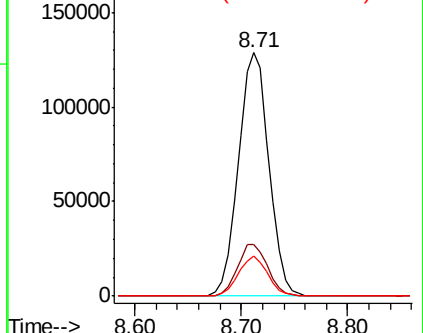
88 16.2 0.0 30.4

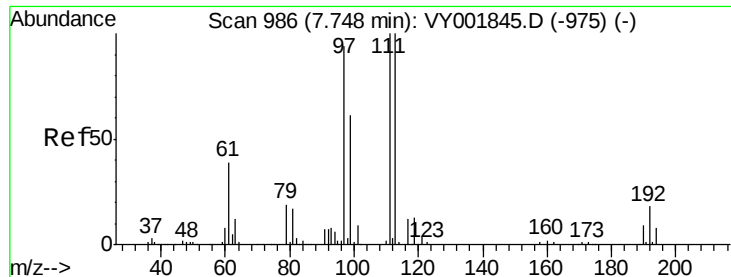


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

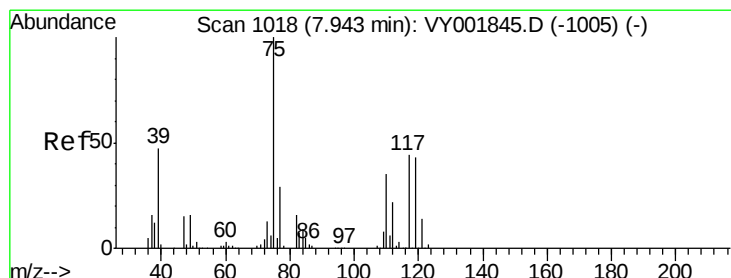
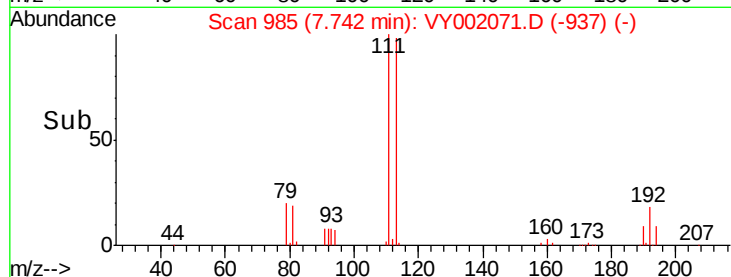
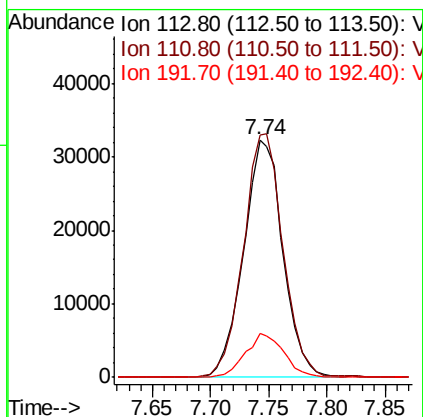
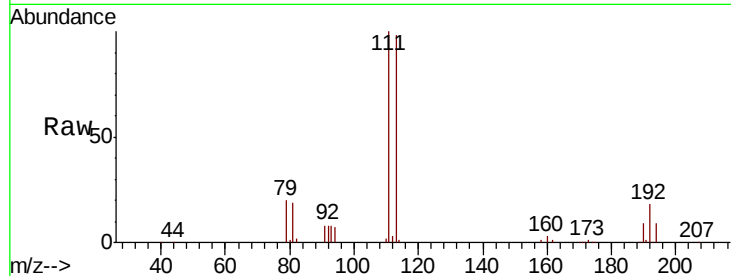




#35
Dibromofluoromethane
Concen: 53.875 ug/l
RT: 7.74 min Scan# 985
Delta R.T. -0.01 min
Lab File: VY002071.D
Acq: 25 Mar 2020 16:52

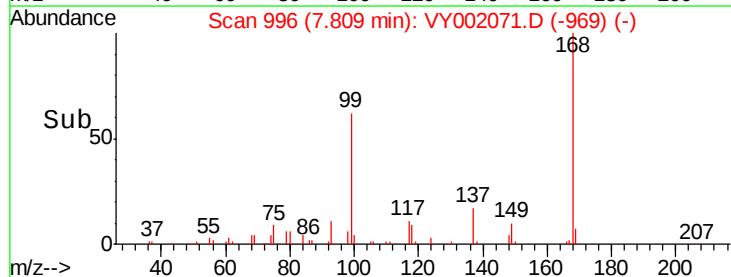
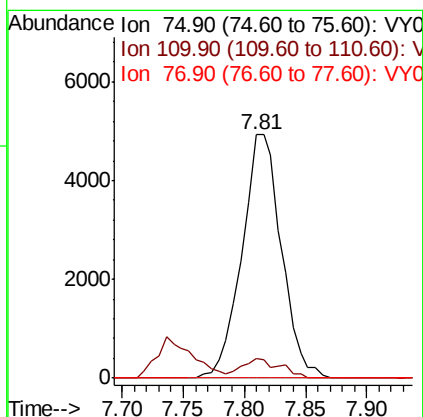
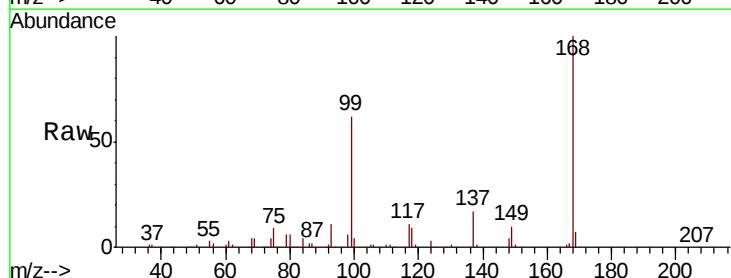
Instrument :
MSVOA_Y
ClientSampleId :

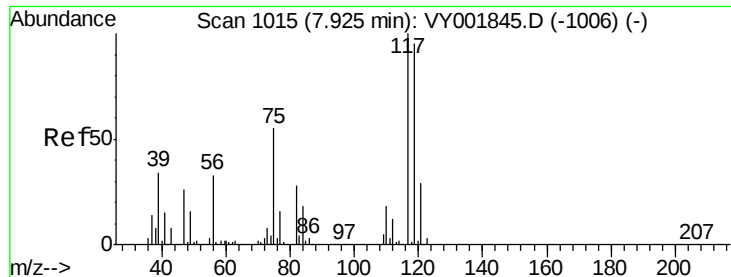
Tot Ion:113 Resp: 75870
Ion Ratio Lower Upper
113 100
111 103.6 81.8 122.8
192 18.2 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.465 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.13 min
Lab File: VY002071.D
Acq: 25 Mar 2020 16:52

Tgt Ion: 75 Resp: 11080
Ion Ratio Lower Upper
75 100
110 7.6 17.4 52.2#
77 0.0 24.2 36.2#

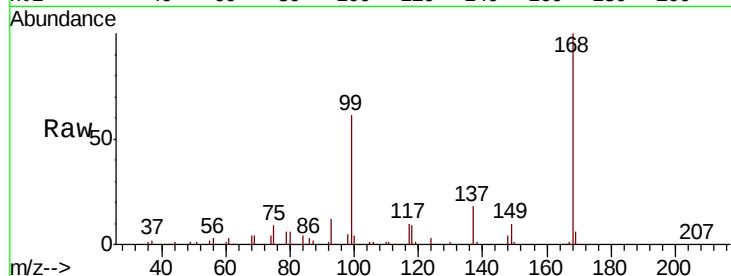




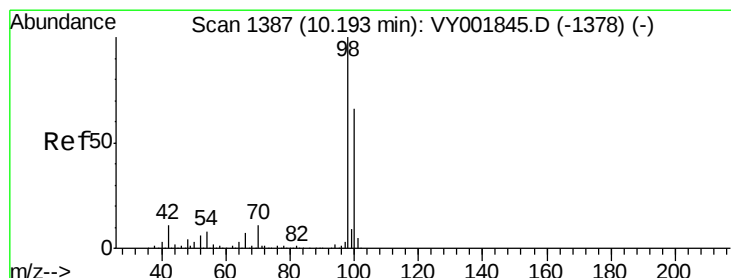
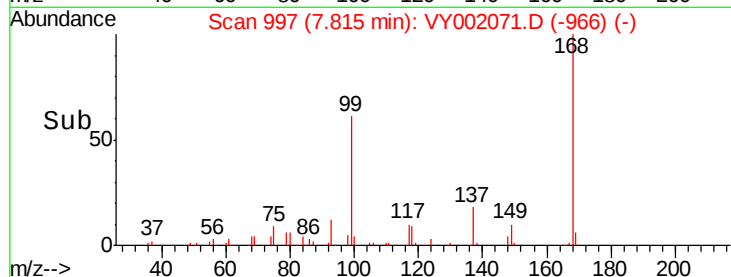
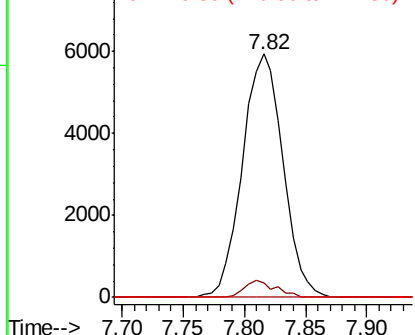
#38
Carbon Tetrachloride
Concen: 6.468 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.11 min
Lab File: VY002071.D
Acq: 25 Mar 2020 16:52

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 13713
Ion Ratio Lower Upper
117 100
119 6.1 76.3 114.5#
121 0.0 23.5 35.3#

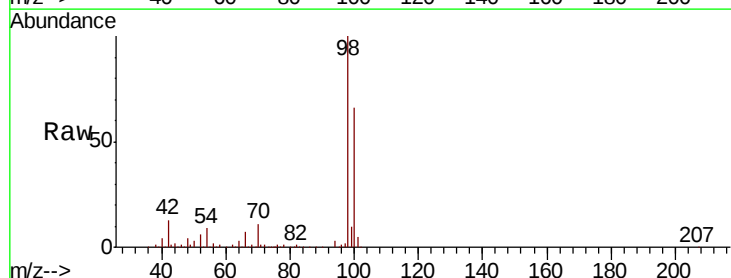


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

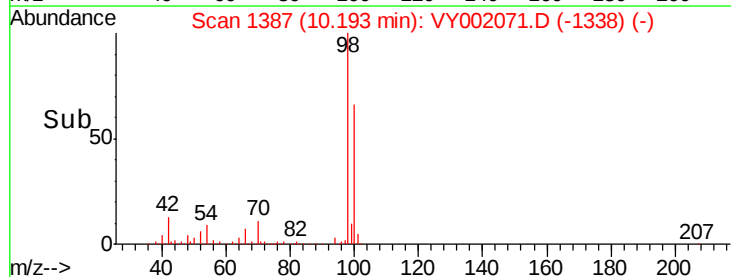
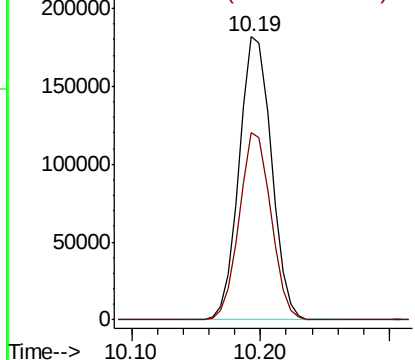


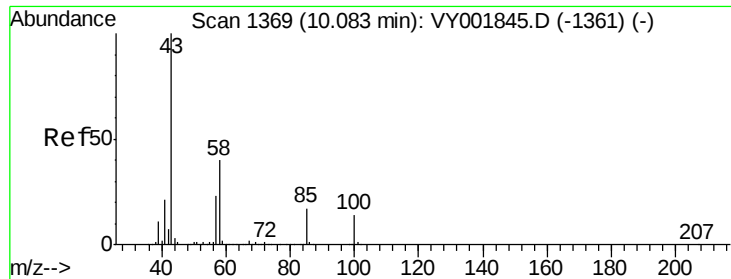
#50
Toluene-d8
Concen: 53.080 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY002071.D
Acq: 25 Mar 2020 16:52

Tgt Ion: 98 Resp: 315209
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.4



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





#51

4-Methyl-2-Pentanone

Concen: 1.084 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.12 min

Lab File: VY002071.D

Acq: 25 Mar 2020 16:52

Instrument :

MSVOA_Y

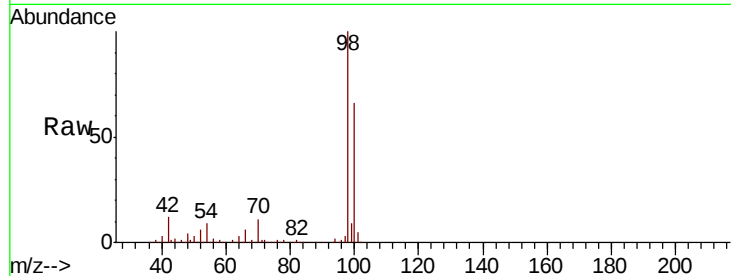
ClientSampleId :

Tot Ion: 43 Resp: 1525

Ion Ratio Lower Upper

43 100

58 187.0 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

2000

1500

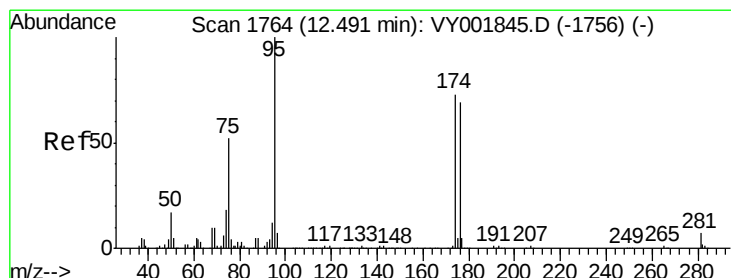
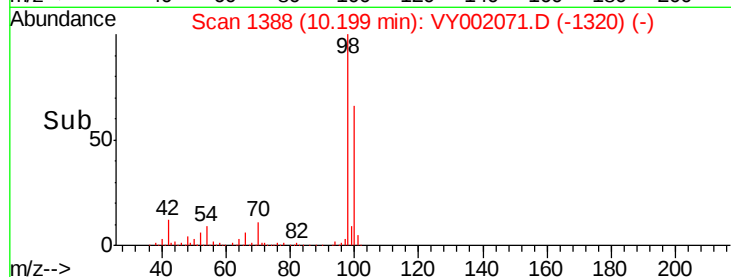
1000

500

0

10.15 10.20 10.25

Time-->



#62

4-Bromofluorobenzene

Concen: 52.696 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY002071.D

Acq: 25 Mar 2020 16:52

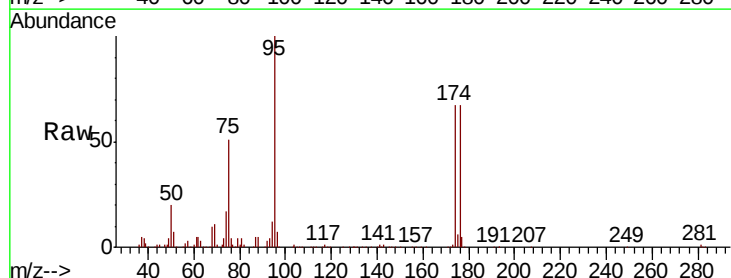
Tgt Ion: 95 Resp: 108809

Ion Ratio Lower Upper

95 100

174 73.3 0.0 145.0

176 71.6 0.0 137.4



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

80000

60000

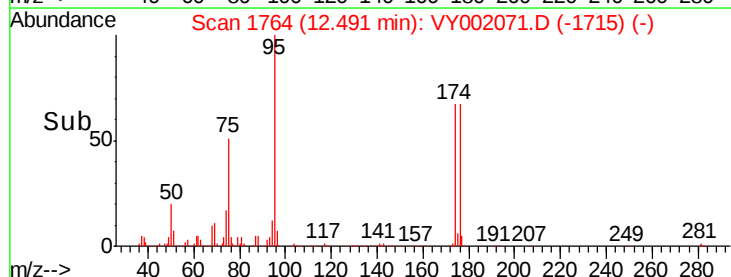
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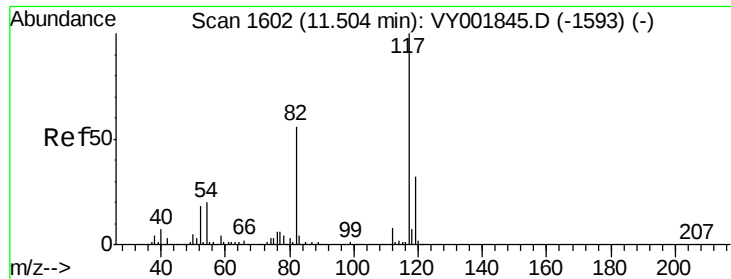
20000

0

12.40 12.45 12.50 12.55

Time-->

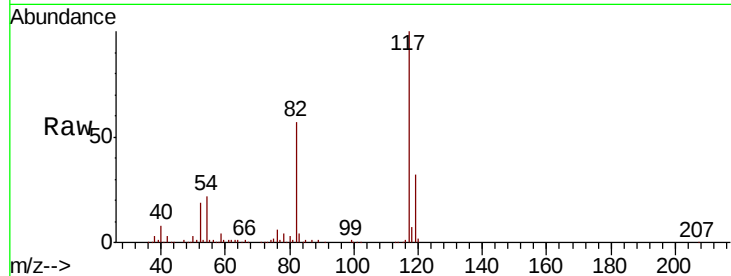




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY002071.D
Acq: 25 Mar 2020 16:52

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	44.5	66.7
119	31.7	25.7	38.5

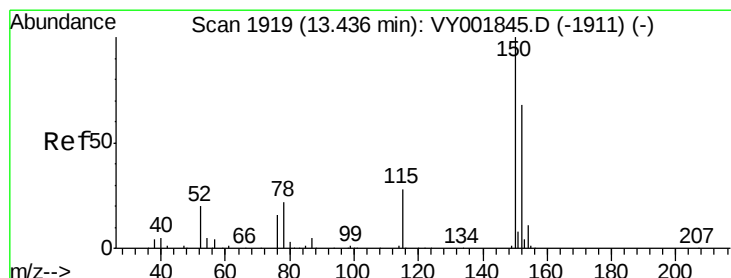
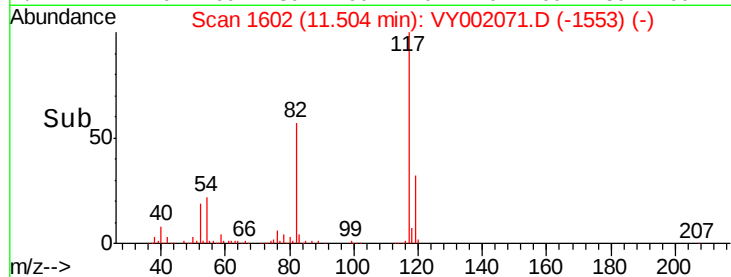
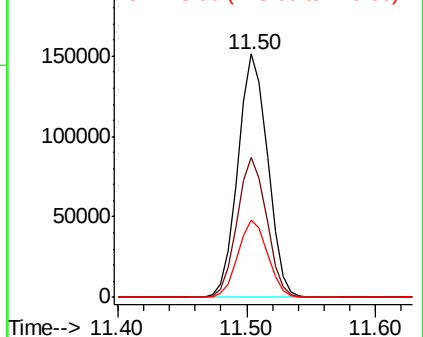


Abundance

Ion 116.90 (116.60 to 117.60): V

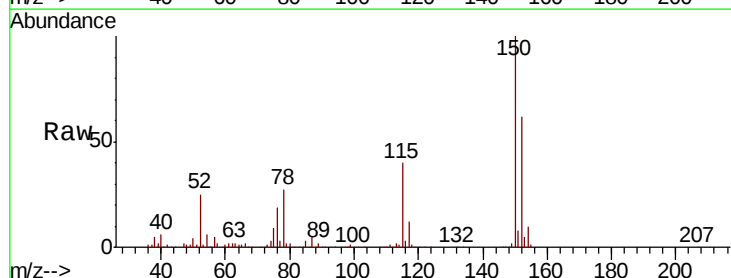
Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY002071.D
Acq: 25 Mar 2020 16:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.6	29.9	89.7
150	158.9	0.0	340.6

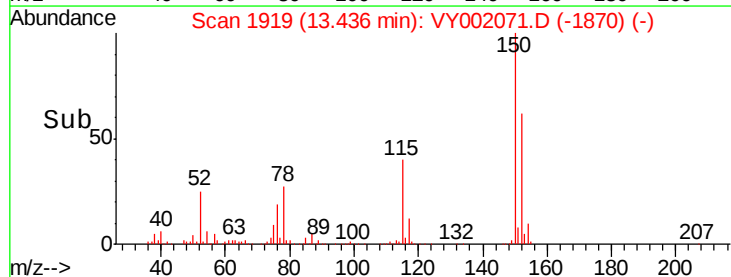
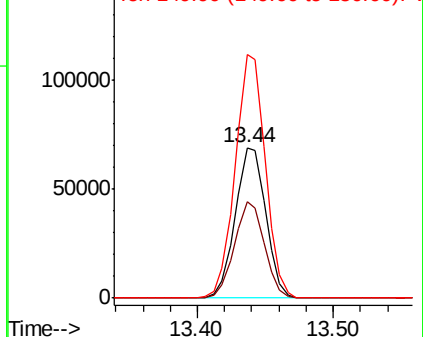


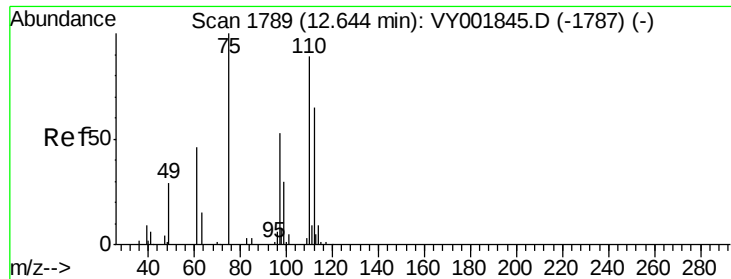
Abundance

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



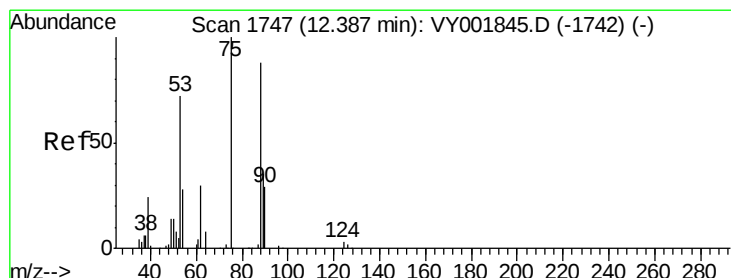
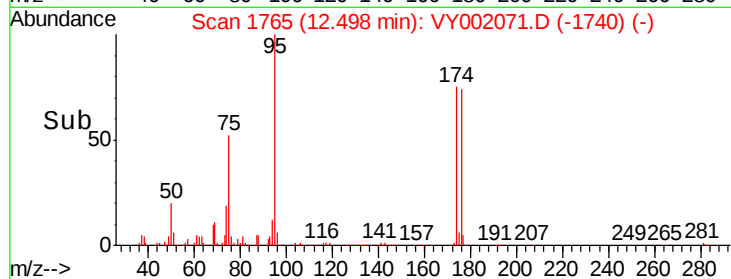
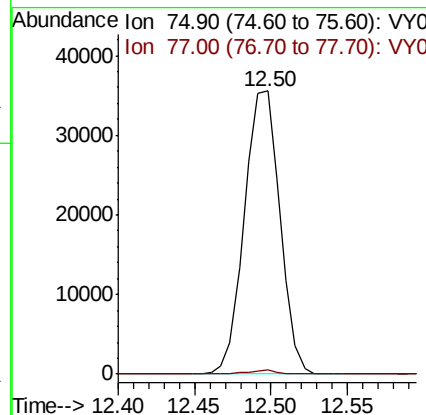
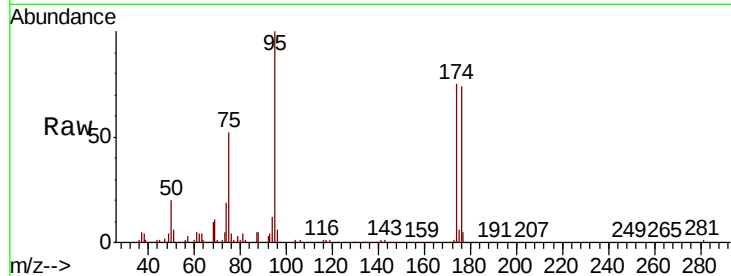


#76

1,2,3-Trichloropropane
 Concen: 44.736 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. -0.15 min
 Lab File: VY002071.D
 Acq: 25 Mar 2020 16:52

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 57439
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene
 Concen: 90.365 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. 0.11 min
 Lab File: VY002071.D
 Acq: 25 Mar 2020 16:52

Tgt Ion: 75 Resp: 57439
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.4 98.0#
 89 0.0 36.0 54.0#

