

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
 Data File : VY002072.D
 Acq On : 25 Mar 2020 17:14
 Operator : SY/MD
 Sample : L2035-02
 Misc : 3.83G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 26 06:36:35 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	64117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	107926	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	88325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	33563	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	32808	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
35) Dibromofluoromethane	7.75	113	30242	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
50) Toluene-d8	10.20	98	128365	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.49	95	37878	43.84	ug/l	0.00
Spiked Amount			Recovery	=	87.68%	

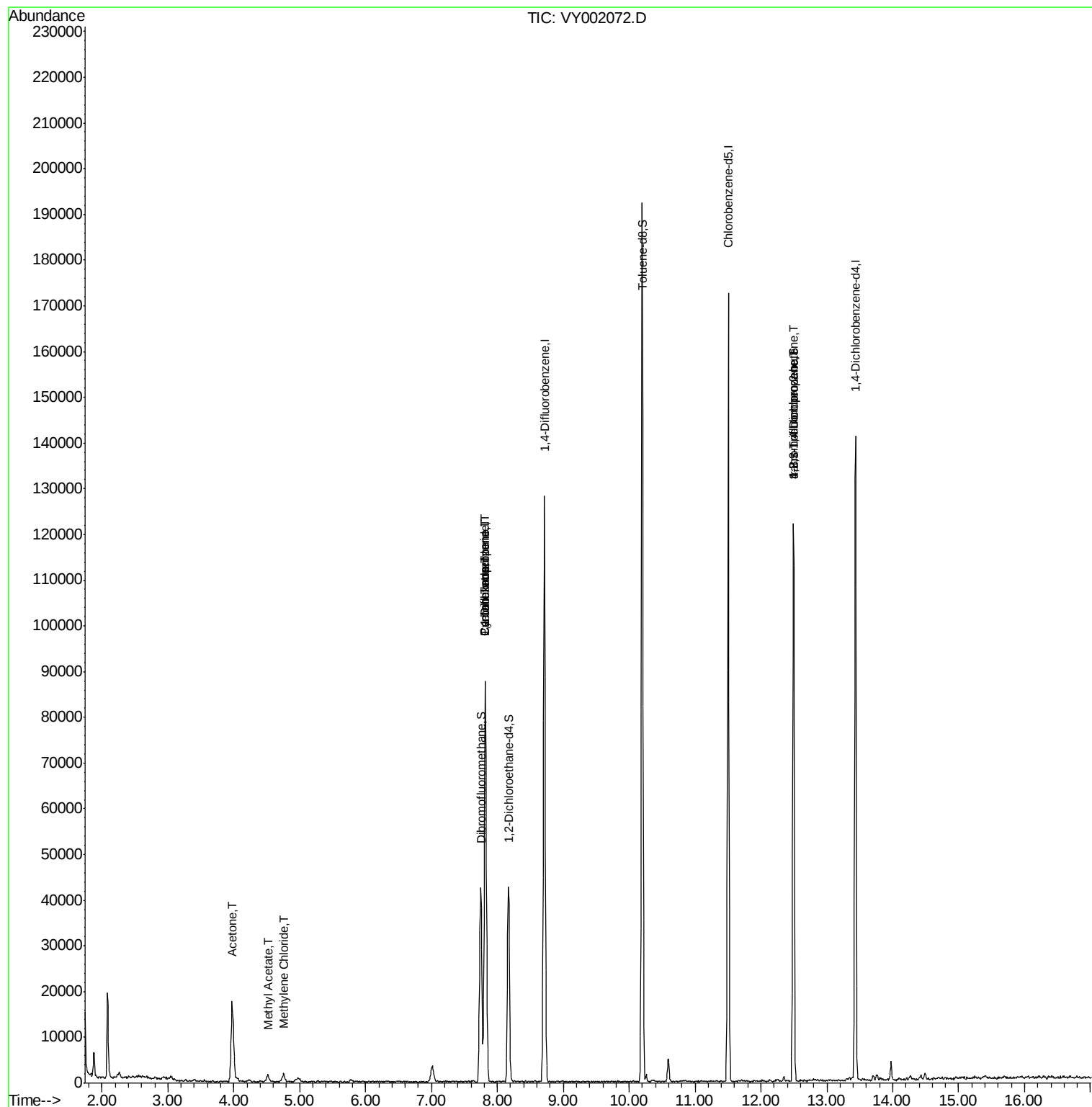
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.68	94	59	Below Cal	#	73
11) Tert butyl alcohol	5.03	59	89	Below Cal	#	74
16) Acetone	3.97	43	30966	155.323	ug/l	96
18) Methyl Acetate	4.52	43	2790	5.447	ug/l #	84
20) Methylene Chloride	4.75	84	1187	1.389	ug/l #	84
31) Cyclohexane	7.81	56	1634	1.086	ug/l #	18
36) 1,1-Dichloropropene	7.82	75	5769	5.555	ug/l #	48
38) Carbon Tetrachloride	7.82	117	7043	7.938	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	19955	50.107	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	19955	101.214	ug/l #	17

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

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Quant Title : SW846 8260
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# 998

Delta R.T. 0.01 min

Lab File: VY002072.D

Acq: 25 Mar 2020 17:14

Instrument :

MSVOA_Y

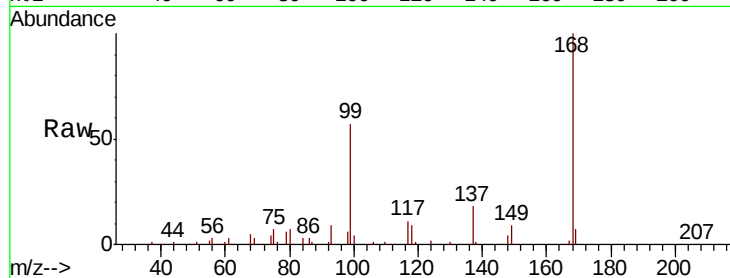
ClientSampleId :

Tot Ion:168 Resp: 64117

Ion Ratio Lower Upper

168 100

99 56.7 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.82

30000

20000

10000

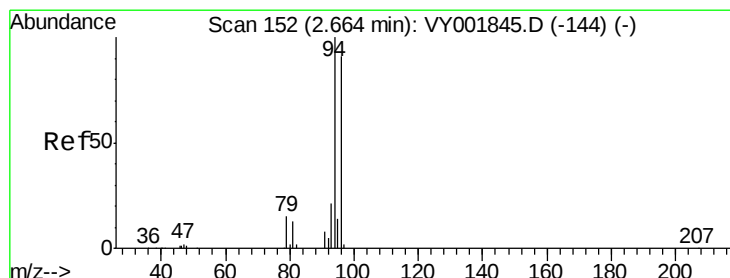
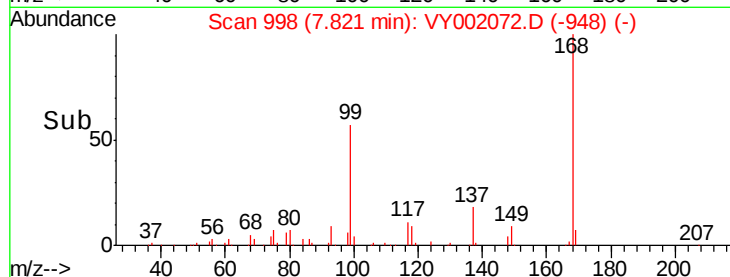
0

Time-->

7.70

7.80

7.90



#5

Bromomethane

Concen: Below Cal

RT: 2.68 min Scan# 154

Delta R.T. 0.01 min

Lab File: VY002072.D

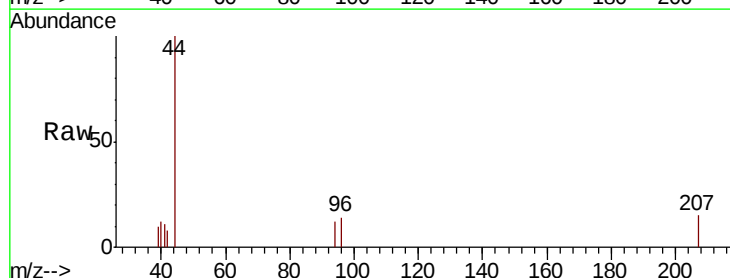
Acq: 25 Mar 2020 17:14

Tgt Ion: 94 Resp: 59

Ion Ratio Lower Upper

94 100

96 117.1 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001845.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VY001845.D (-144) (-)

2.68

100

50

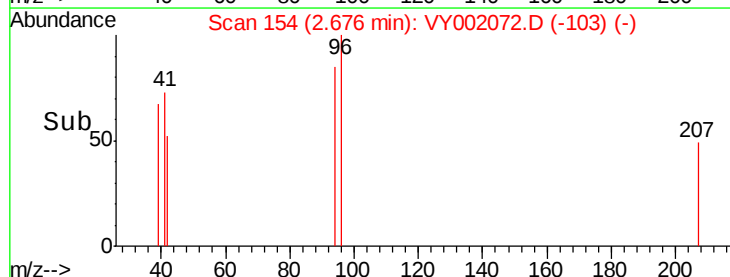
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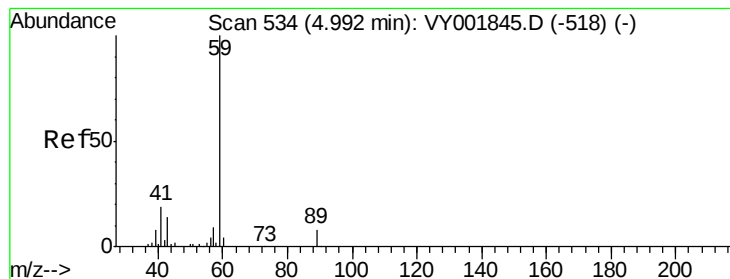
Time-->

2.66

2.68

2.70



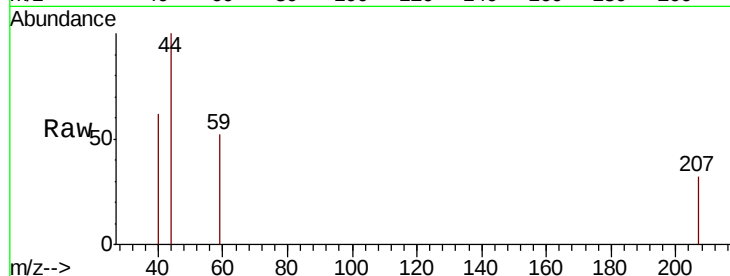


#11

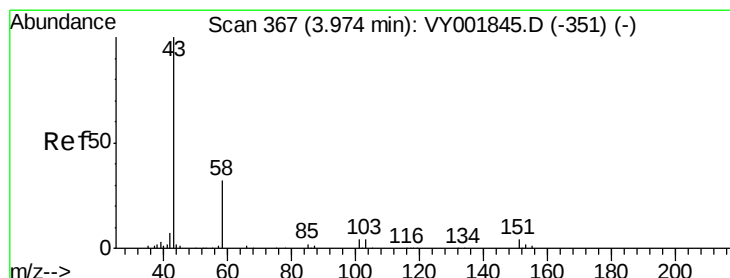
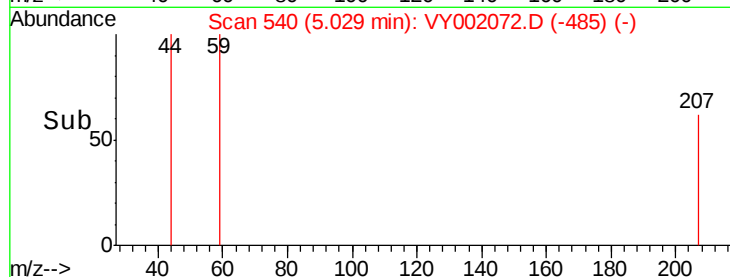
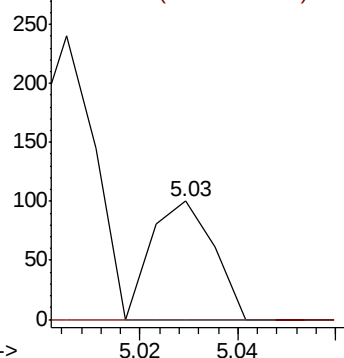
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.03 min Scan# 540
 Delta R.T. 0.04 min
 Lab File: VY002072.D
 Acq: 25 Mar 2020 17:14

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 59 Resp: 89
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#



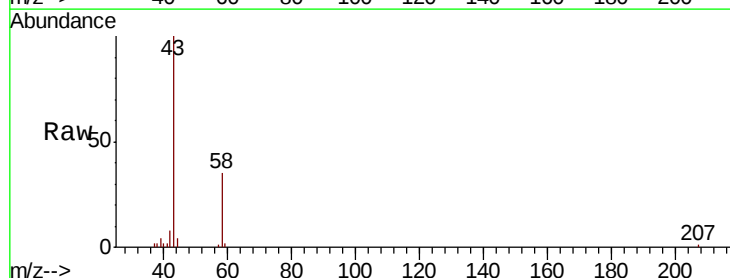
Abundance Ion 59.00 (58.70 to 59.70): VY0
 Ion 57.00 (56.70 to 57.70): VY0



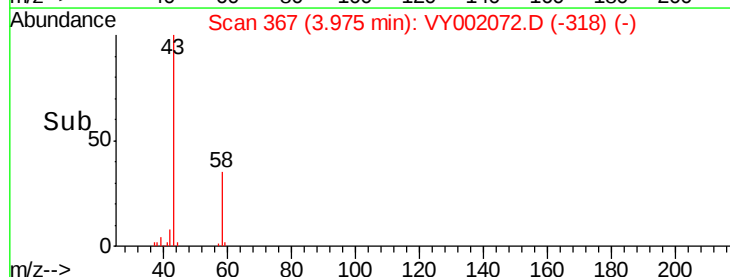
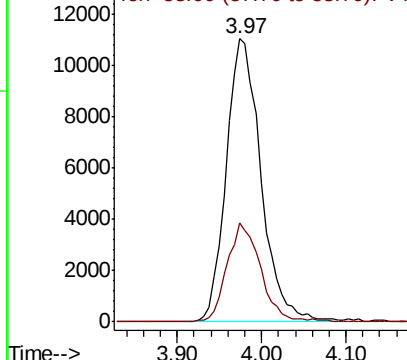
#16

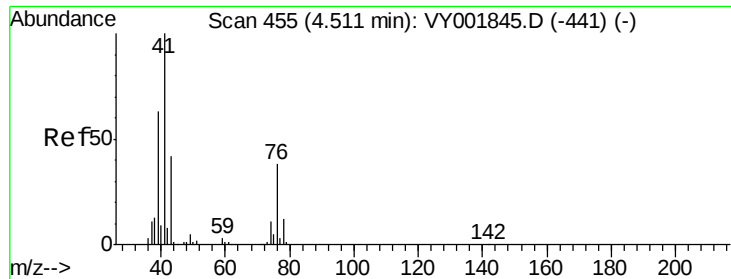
Acetone
 Concen: 155.323 ug/l
 RT: 3.97 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VY002072.D
 Acq: 25 Mar 2020 17:14

Tgt Ion: 43 Resp: 30966
 Ion Ratio Lower Upper
 43 100
 58 34.8 25.9 38.9



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

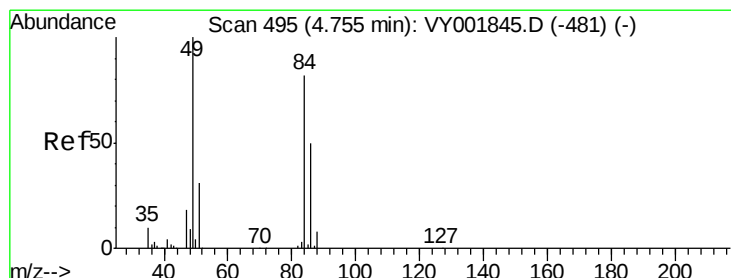
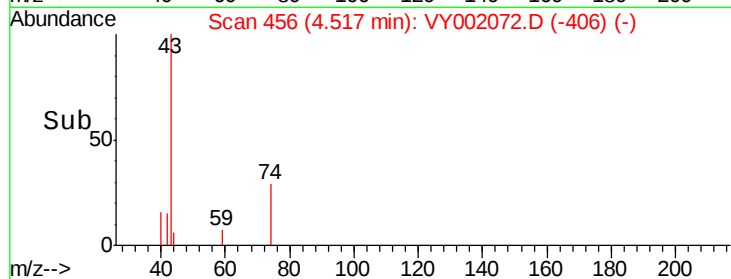
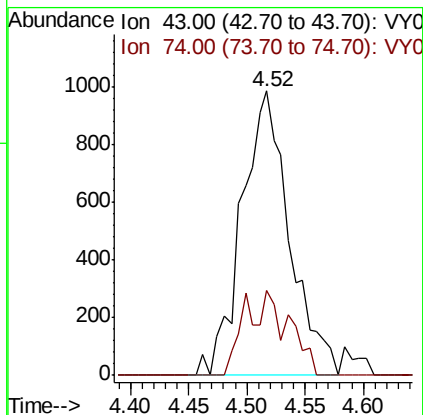
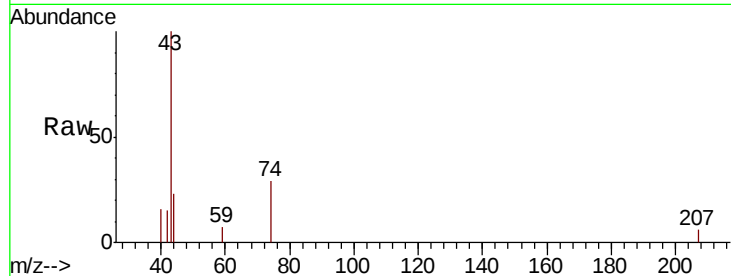




#18
Methyl Acetate
Concen: 5.447 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.01 min
Lab File: VY002072.D
Acq: 25 Mar 2020 17:14

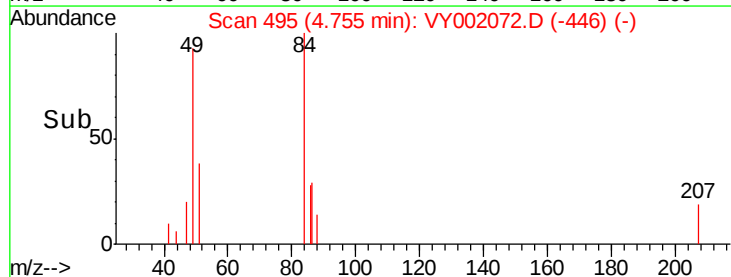
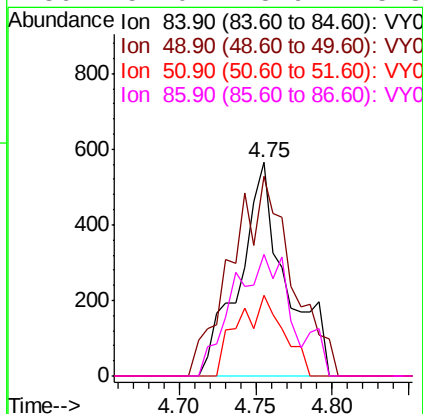
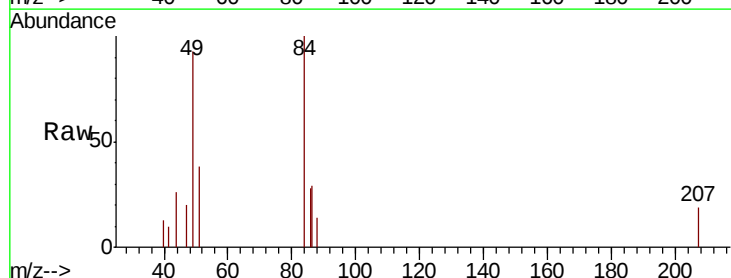
Instrument :
MSVOA_Y
ClientSampled :

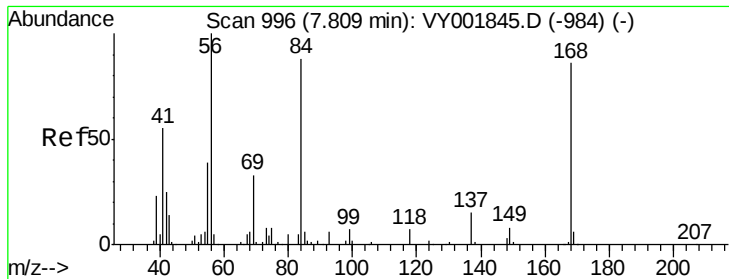
Tot Ion: 43 Resp: 2790
Ion Ratio Lower Upper
43 100
74 15.7 19.0 28.6#



#20
Methylene Chloride
Concen: 1.389 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.00 min
Lab File: VY002072.D
Acq: 25 Mar 2020 17:14

Tgt Ion: 84 Resp: 1187
Ion Ratio Lower Upper
84 100
49 93.5 98.2 147.2#
51 37.9 30.2 45.2
86 57.0 48.9 73.3

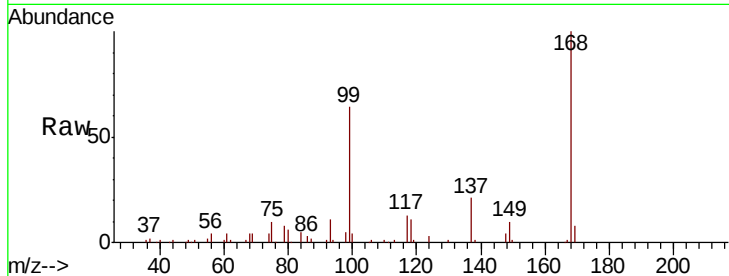




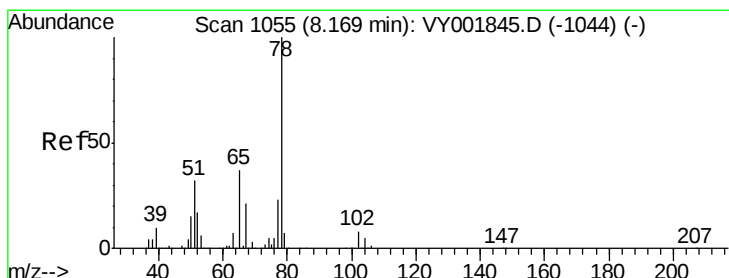
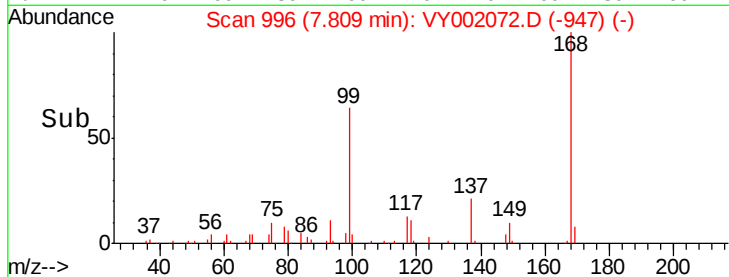
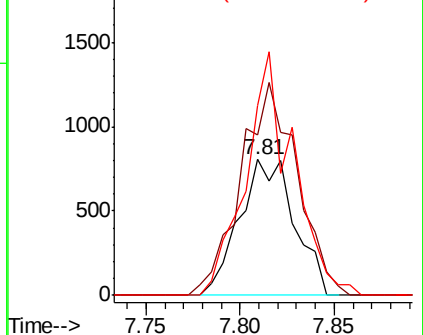
#31
Cyclohexane
Concen: 1.086 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.00 min
Lab File: VY002072.D
Acq: 25 Mar 2020 17:14

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 1634
Ion Ratio Lower Upper
56 100
69 118.3 26.7 40.1#
84 139.9 70.4 105.6#

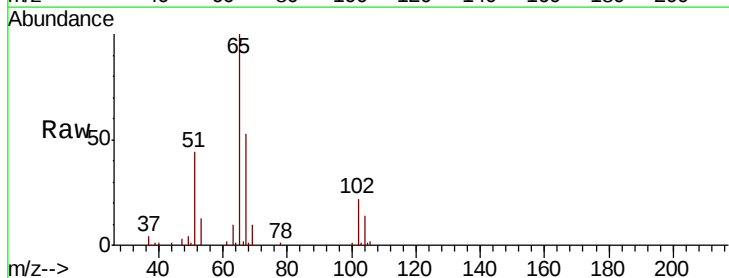


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

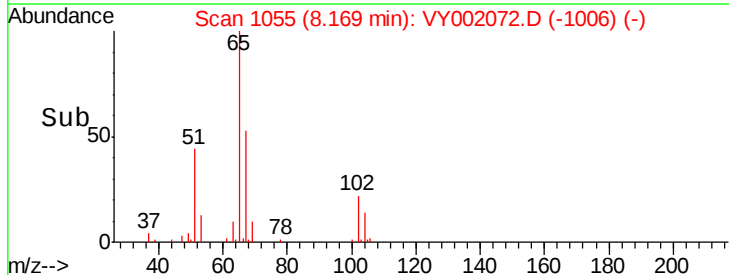
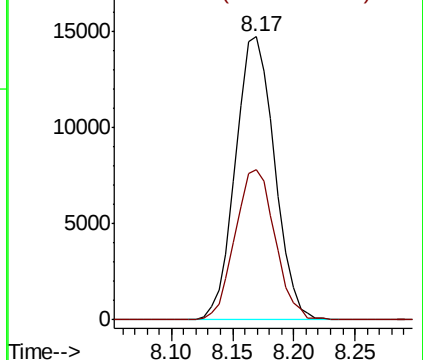


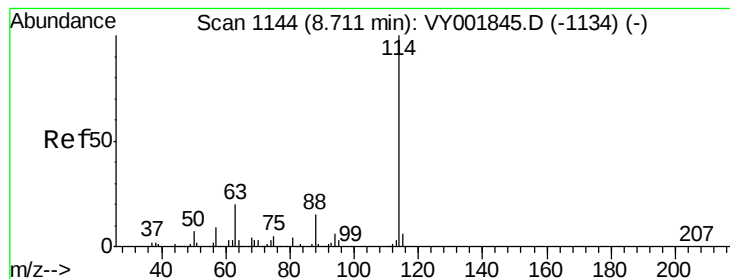
#33
1,2-Dichloroethane-d4
Concen: 47.930 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY002072.D
Acq: 25 Mar 2020 17:14

Tgt Ion: 65 Resp: 32808
Ion Ratio Lower Upper
65 100
67 54.1 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: VY002072.D

Acq: 25 Mar 2020 17:14

Instrument :

MSVOA_Y

ClientSampleId :

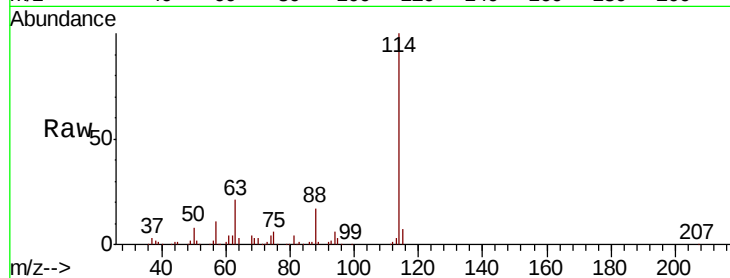
Tot Ion:114 Resp: 107926

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.4

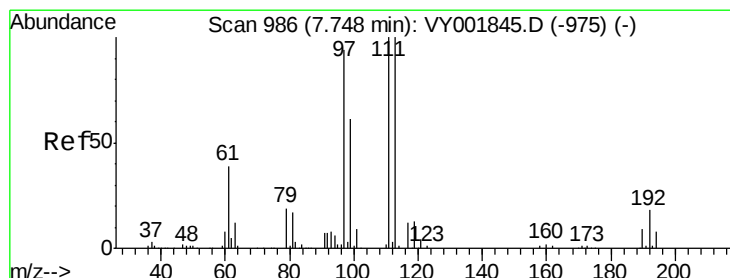
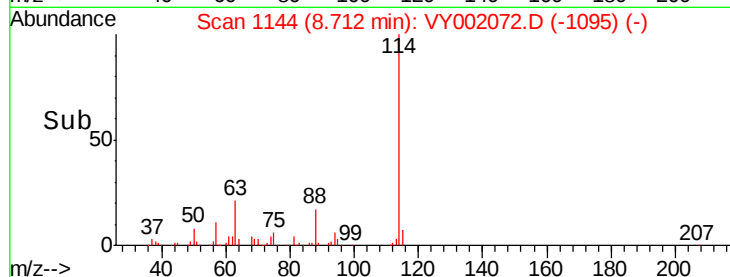
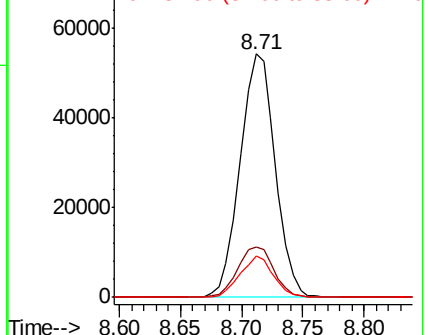
88 17.0 0.0 30.4



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: 51.316 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY002072.D

Acq: 25 Mar 2020 17:14

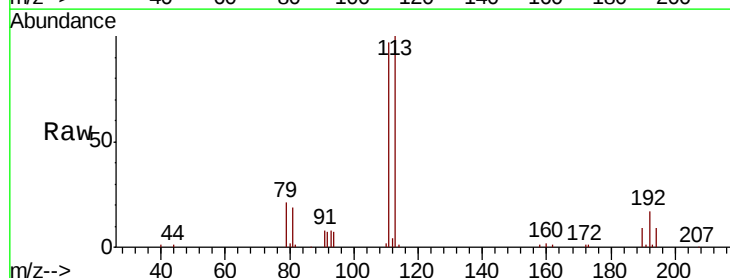
Tgt Ion:113 Resp: 30242

Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

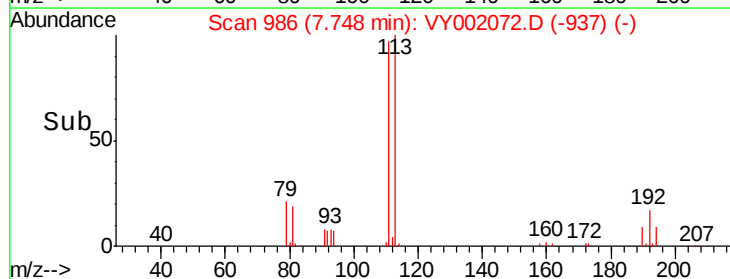
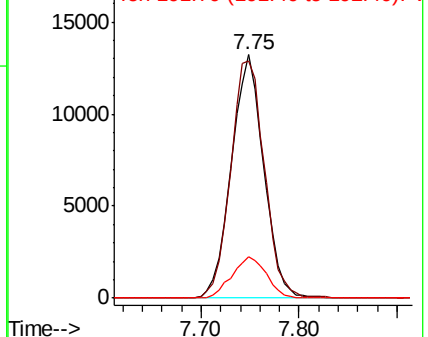
192 18.0 14.2 21.2

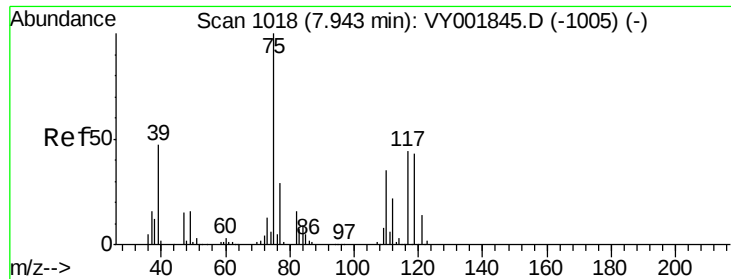


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

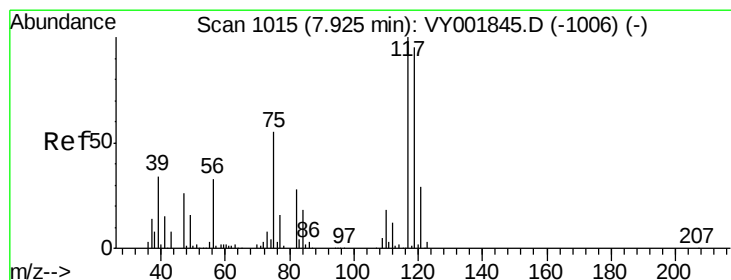
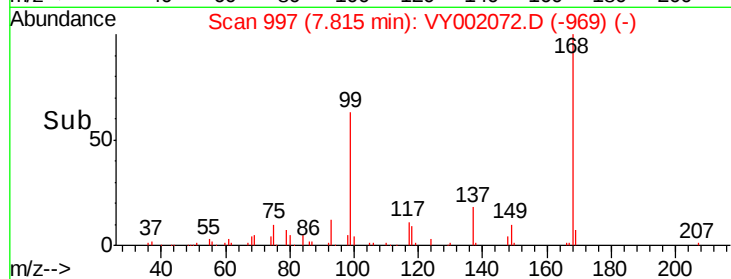
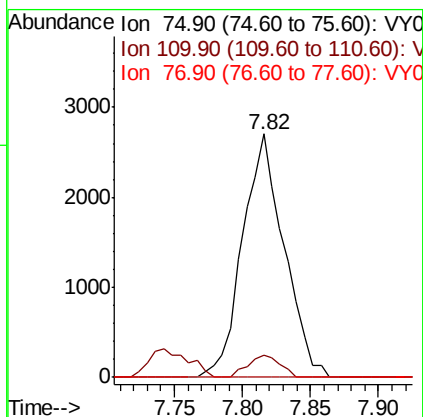
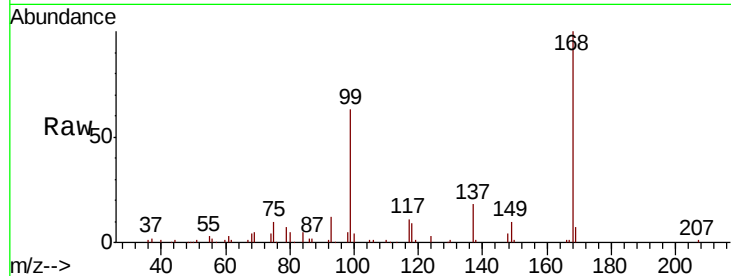




#36
 1,1-Dichloropropene
 Concen: 5.555 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY002072.D
 Acq: 25 Mar 2020 17:14

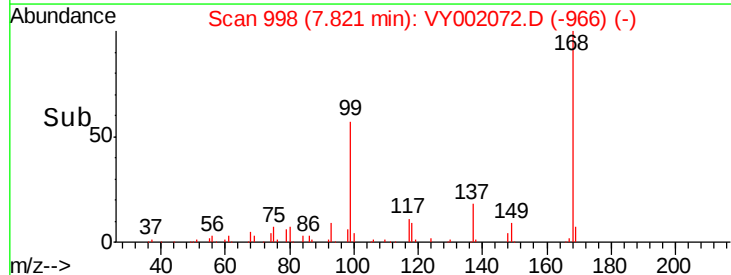
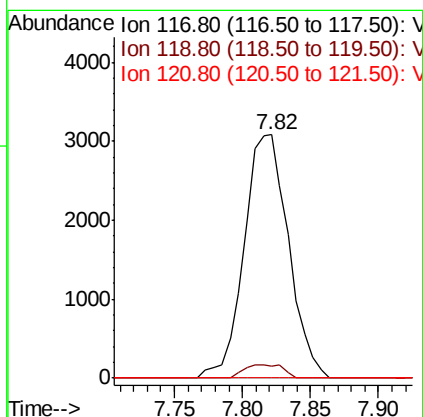
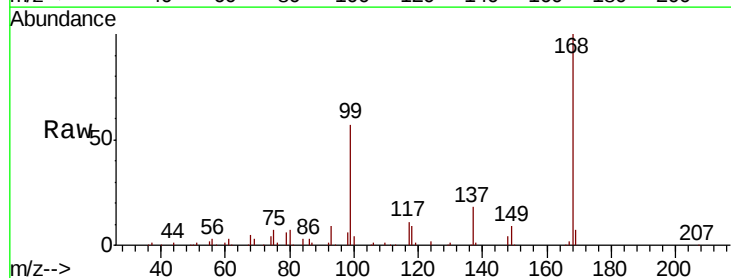
Instrument :
 MSVOA_Y
 ClientSampled :

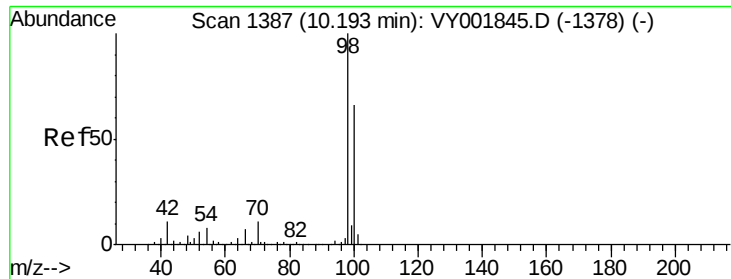
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.0	17.4	52.2#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 7.938 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.10 min
 Lab File: VY002072.D
 Acq: 25 Mar 2020 17:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.3	114.5#
121	0.0	23.5	35.3#





#50

Toluene-d8

Concen: 51.654 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY002072.D

Acq: 25 Mar 2020 17:14

Instrument :

MSVOA_Y

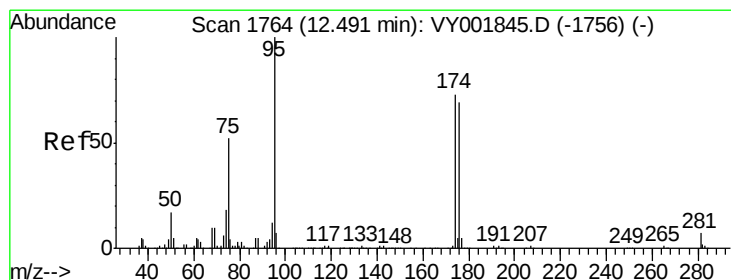
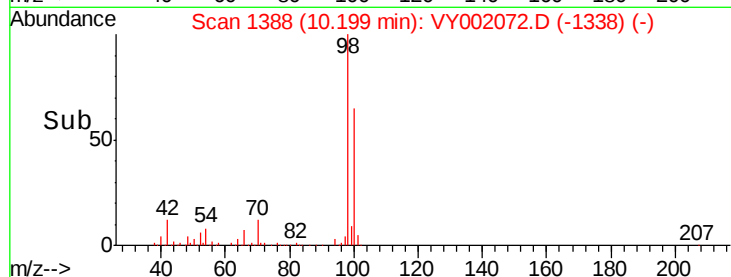
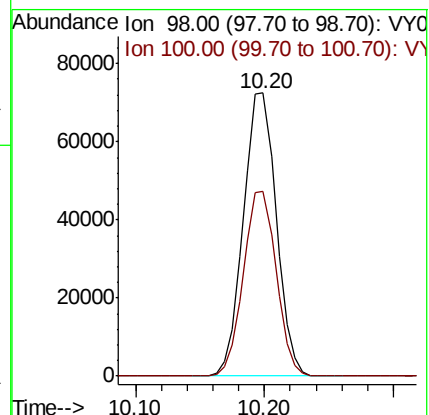
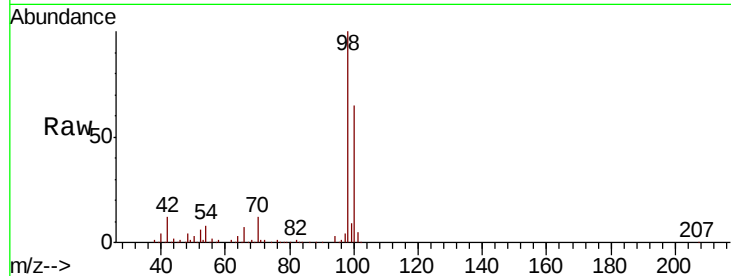
ClientSampleId :

Tot Ion: 98 Resp: 128365

Ion Ratio Lower Upper

98 100

100 65.0 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 43.836 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY002072.D

Acq: 25 Mar 2020 17:14

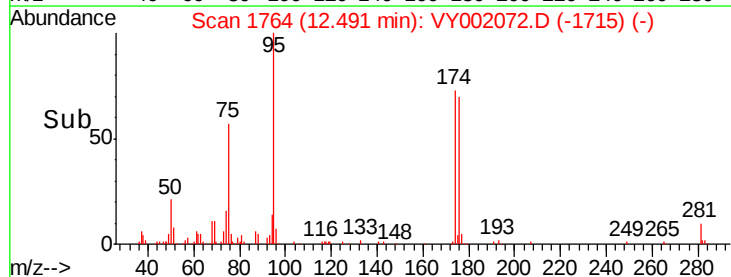
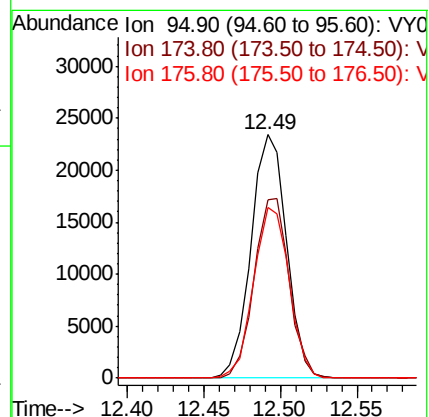
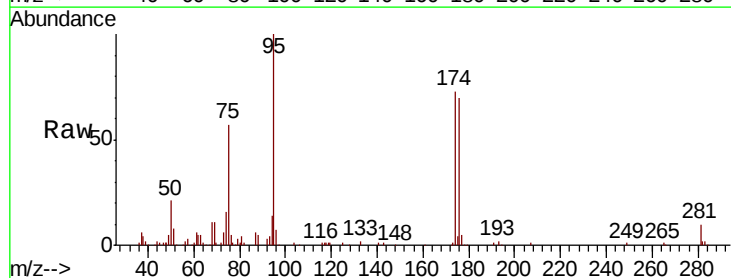
Tgt Ion: 95 Resp: 37878

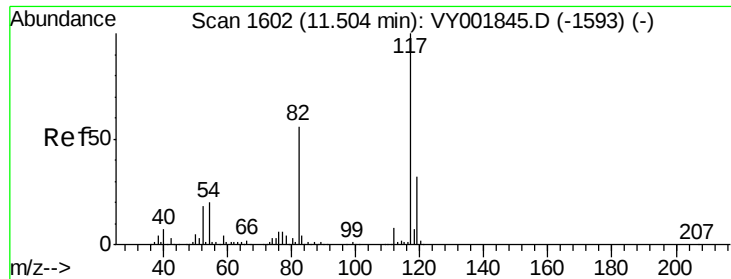
Ion Ratio Lower Upper

95 100

174 72.4 0.0 145.0

176 70.2 0.0 137.4

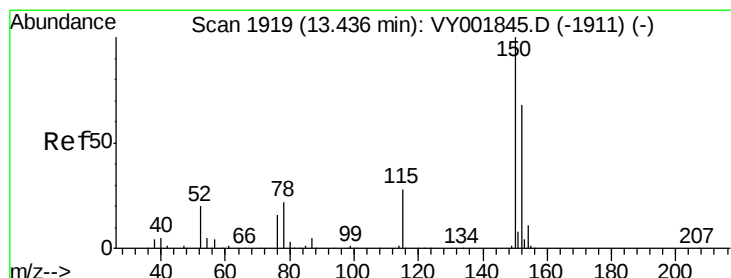
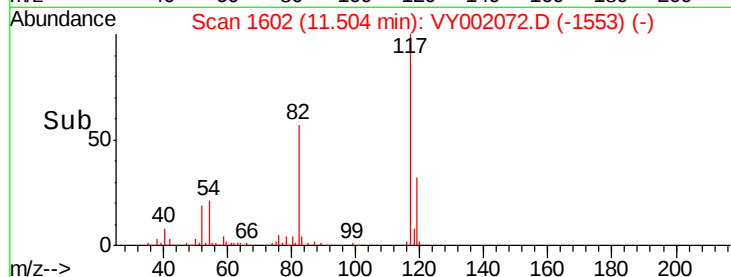
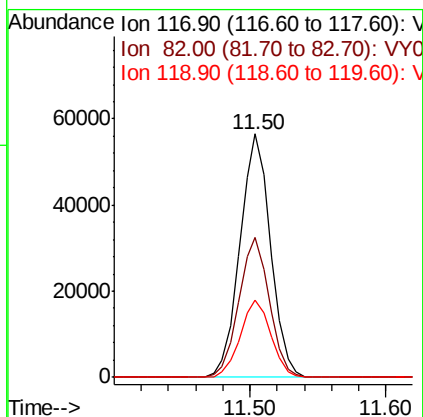
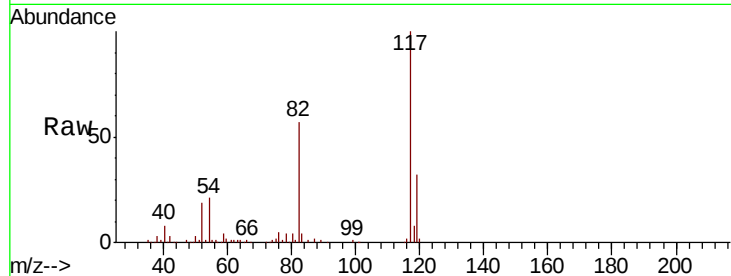




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY002072.D
Acq: 25 Mar 2020 17:14

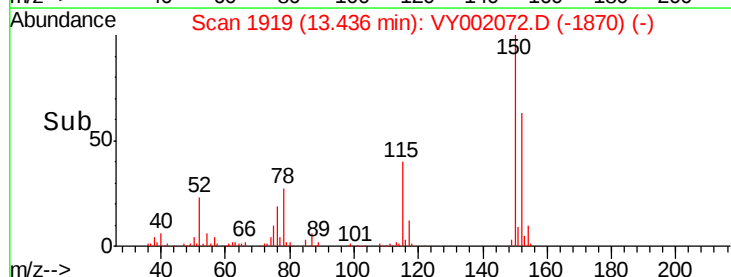
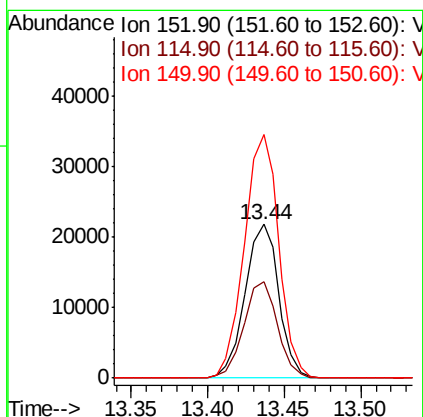
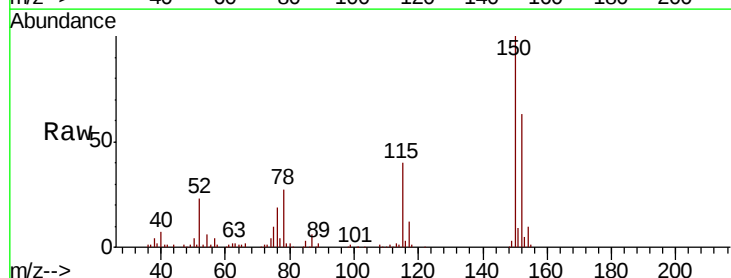
Instrument :
MSVOA_Y
ClientSampleId :

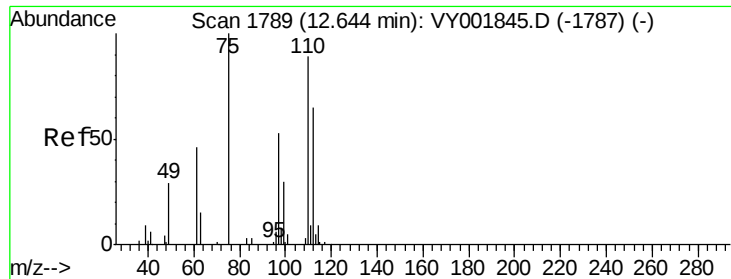
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	44.5	66.7
119	31.7	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY002072.D
Acq: 25 Mar 2020 17:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.4	29.9	89.7
150	160.7	0.0	340.6





#76

1,2,3-Trichloropropane

Concen: 50.107 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002072.D

Acq: 25 Mar 2020 17:14

Instrument :

MSVOA_Y

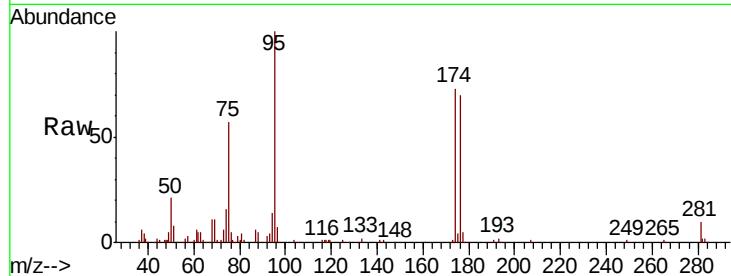
ClientSampleId :

Tot Ion: 75 Resp: 19955

Ion Ratio Lower Upper

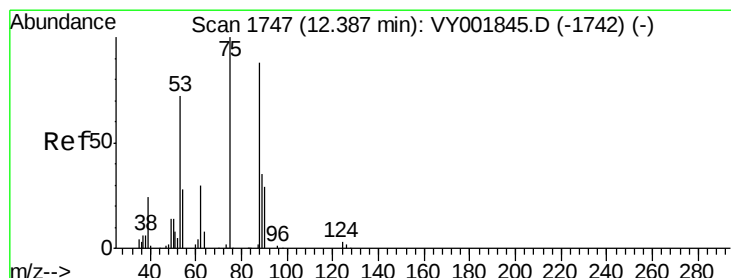
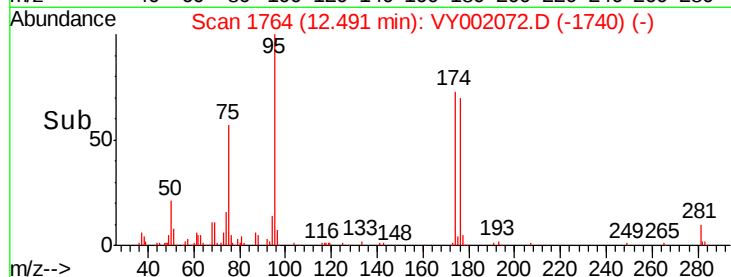
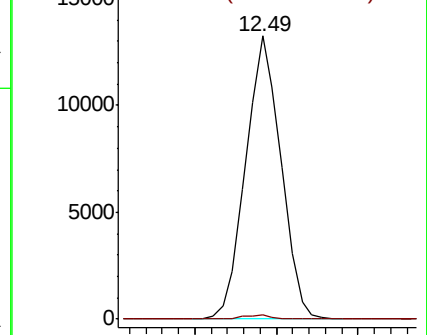
75 100

77 1.1 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: 101.214 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002072.D

Acq: 25 Mar 2020 17:14

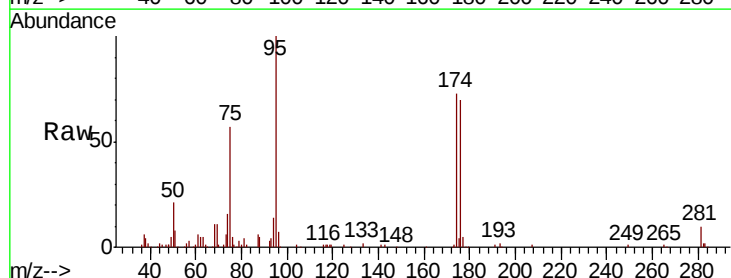
Tgt Ion: 75 Resp: 19955

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#



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

