

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042820\
 Data File : VY002491.D
 Acq On : 28 Apr 2020 13:57
 Operator : SY/MD
 Sample : L2428-02
 Misc : 5.02G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 29 00:27:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 14:11:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	280311	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.70	114	434531	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	386160	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.42	152	179411	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	140744	57.45	ug/l	-0.02
Spiked Amount			Recovery	=	114.90%	
35) Dibromofluoromethane	7.73	113	129412	52.80	ug/l	-0.02
Spiked Amount			Recovery	=	105.60%	
50) Toluene-d8	10.18	98	499889	50.74	ug/l	-0.02
Spiked Amount			Recovery	=	101.48%	
62) 4-Bromofluorobenzene	12.49	95	158583	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	

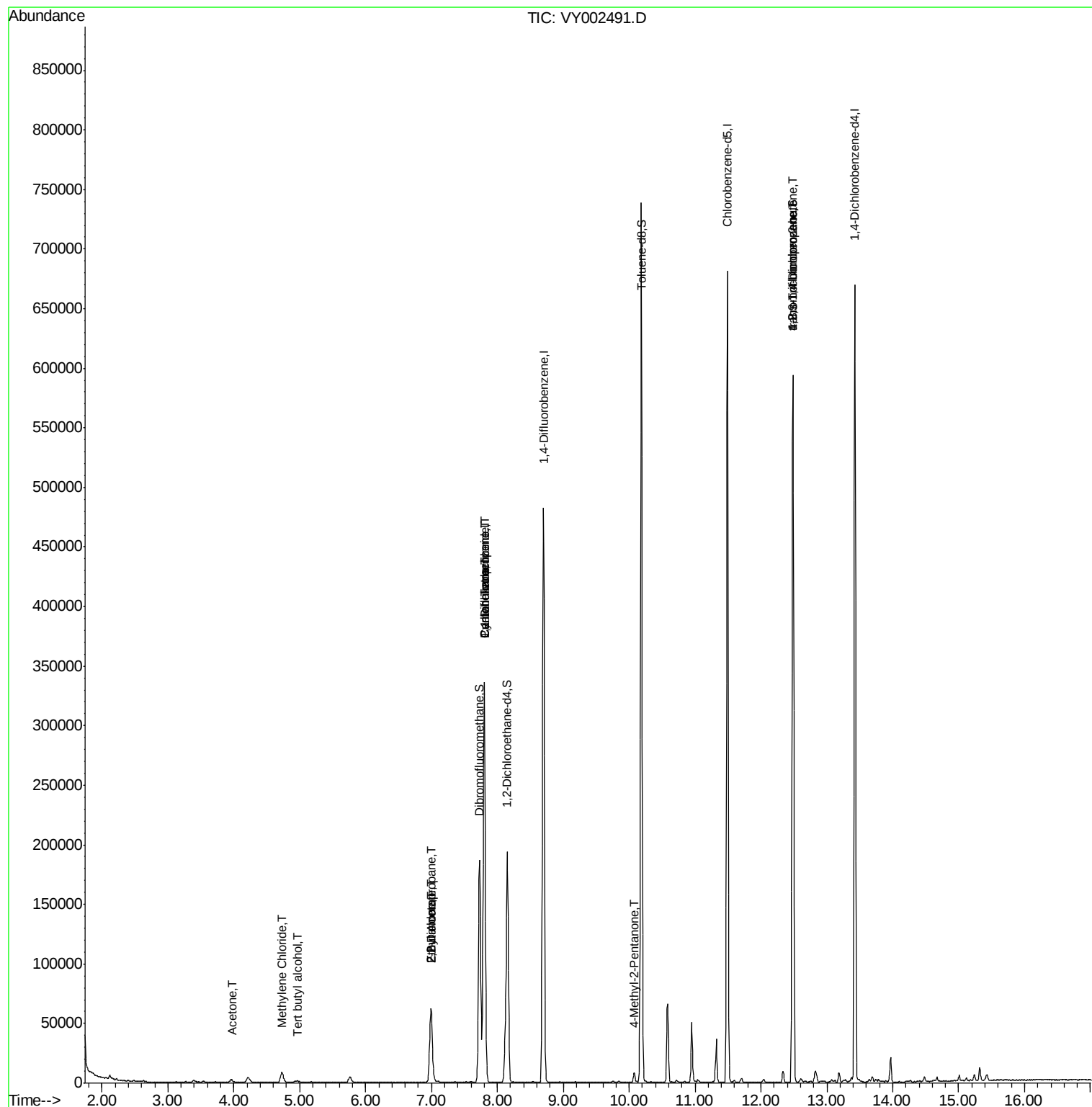
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	2500	10.842	ug/l #	76
16) Acetone	3.96	43	4398	8.590	ug/l #	82
20) Methylene Chloride	4.72	84	6975	2.386	ug/l	95
25) 2-Butanone	7.00	43	3059	3.900	ug/l #	86
26) 2,2-Dichloropropane	6.99	77	4806	1.190	ug/l #	51
31) Cyclohexane	7.80	56	4296	1.018	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	17887	4.801	ug/l #	49
37) Ethyl Acetate	7.00	43	3059	1.634	ug/l #	1
38) Carbon Tetrachloride	7.80	117	25022	5.840	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	5792	3.185	ug/l	95
76) 1,2,3-Trichloropropane	12.48	75	79106	52.023	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	79106	96.267	ug/l #	15

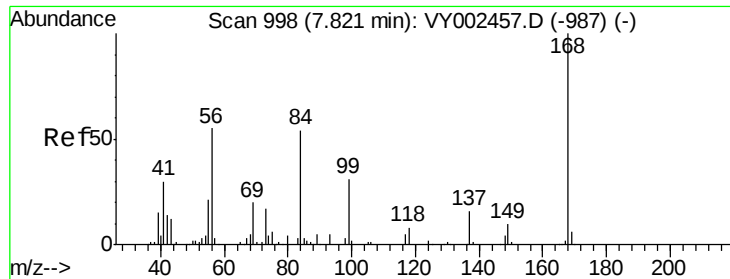
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 23 14:11:26 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.02 min

Lab File: VY002491.D

Acq: 28 Apr 2020 13:57

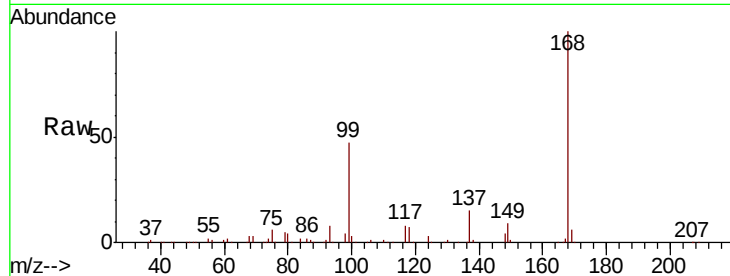
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 280311

Ion Ratio Lower Upper

168 100

99 47.4 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): VY002457.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY002457.D (-987) (-)

7.80

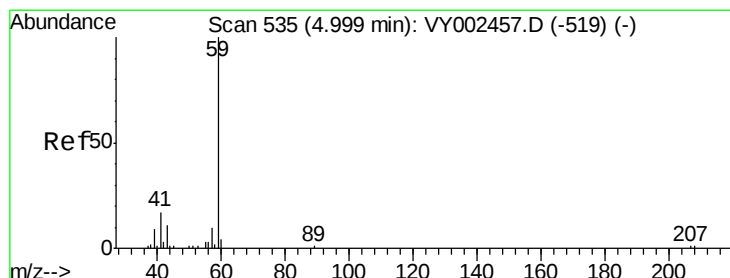
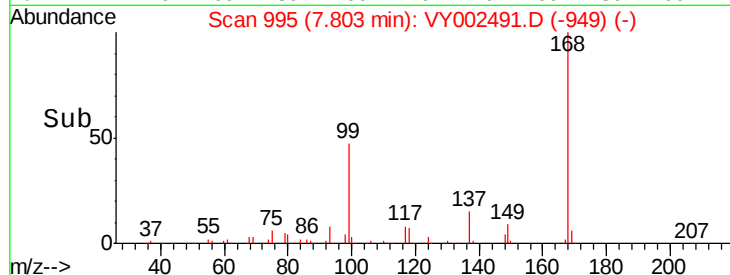
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 10.842 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.04 min

Lab File: VY002491.D

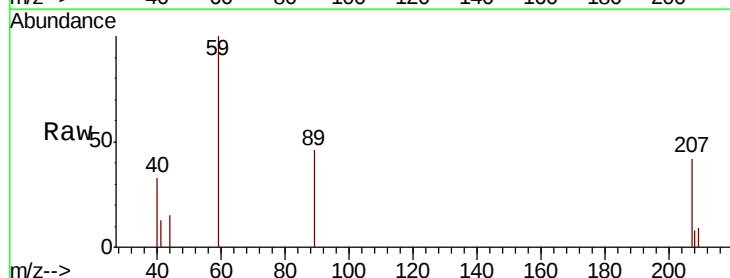
Acq: 28 Apr 2020 13:57

Tgt Ion: 59 Resp: 2500

Ion Ratio Lower Upper

59 100

57 1.6 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VY002457.D (-519) (-)

Ion 57.00 (56.70 to 57.70): VY002457.D (-519) (-)

4.96

800

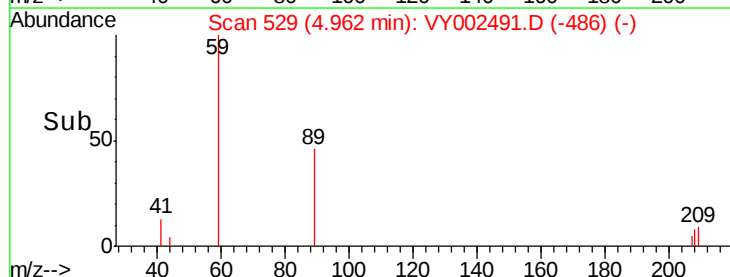
600

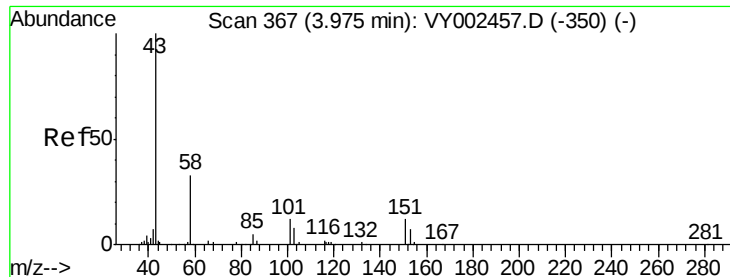
400

200

0

Time-->

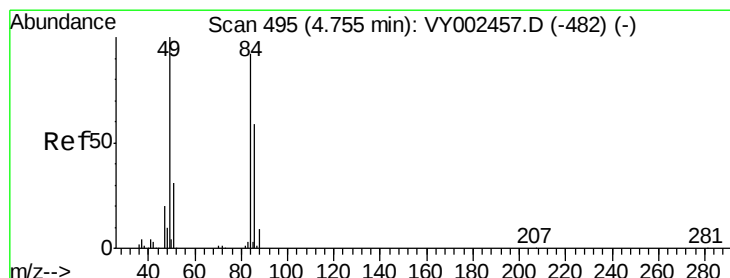
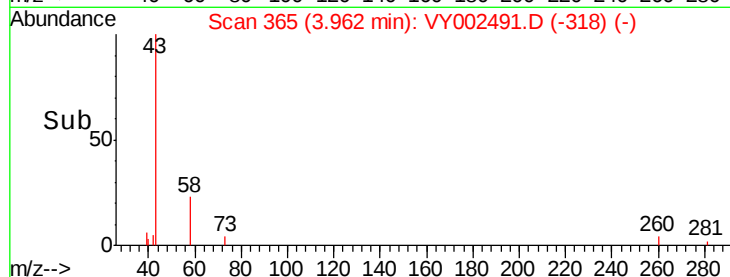
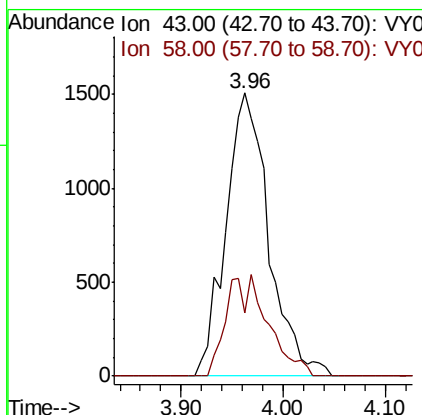
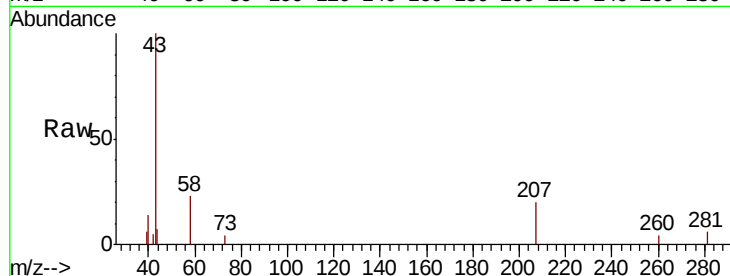




#16
Acetone
Concen: 8.590 ug/l
RT: 3.96 min Scan# 365
Delta R.T. -0.01 min
Lab File: VY002491.D
Acq: 28 Apr 2020 13:57

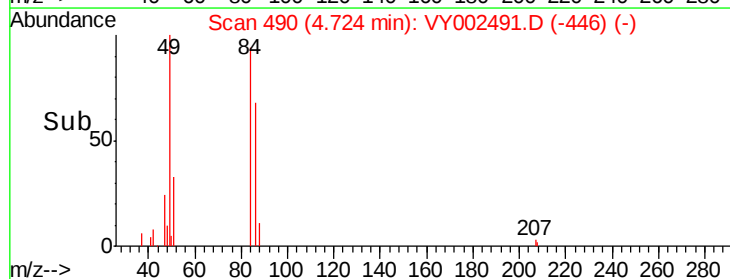
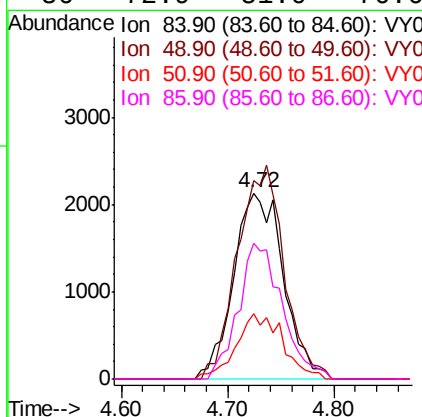
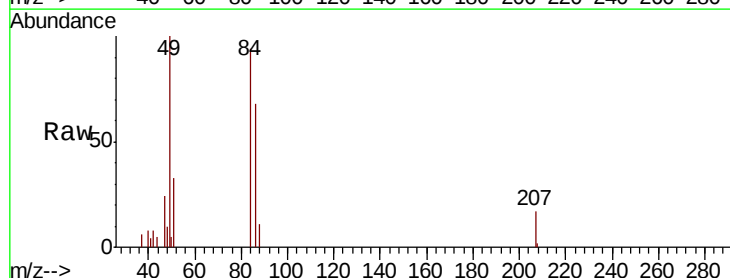
Instrument :
MSVOA_Y
ClientSampleId :

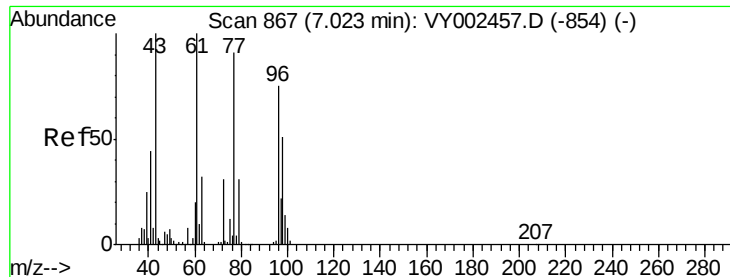
Tot Ion: 43 Resp: 4398
Ion Ratio Lower Upper
43 100
58 22.5 26.4 39.6#



#20
Methylene Chloride
Concen: 2.386 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.03 min
Lab File: VY002491.D
Acq: 28 Apr 2020 13:57

Tgt Ion: 84 Resp: 6975
Ion Ratio Lower Upper
84 100
49 106.5 86.9 130.3
51 35.1 27.3 40.9
86 72.9 51.0 76.6





#25

2-Butanone

Concen: 3.900 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.02 min

Lab File: VY002491.D

Acq: 28 Apr 2020 13:57

Instrument :

MSVOA_Y

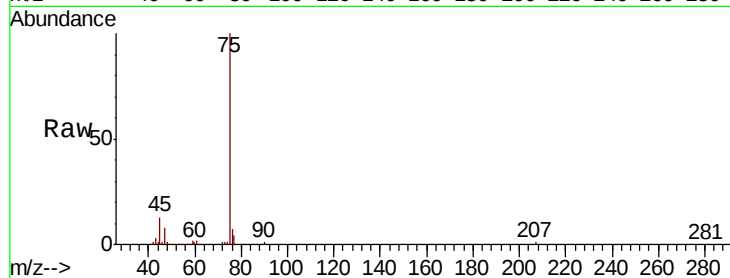
ClientSampleId :

Tot Ion: 43 Resp: 3059

Ion Ratio Lower Upper

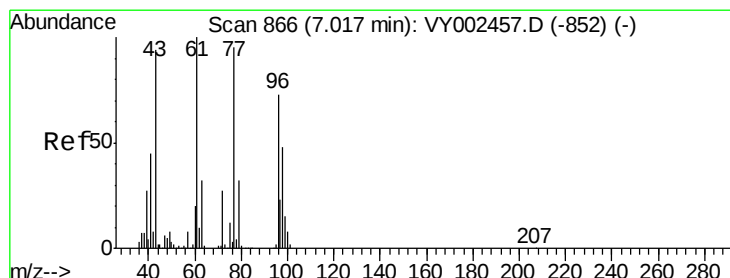
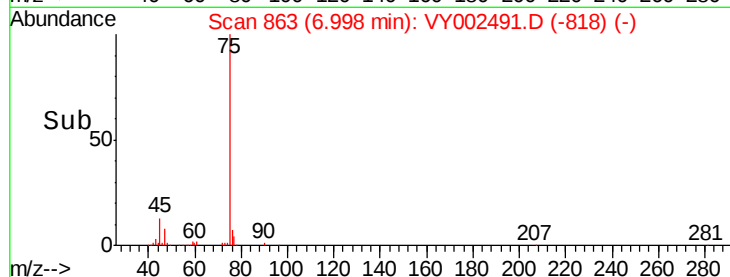
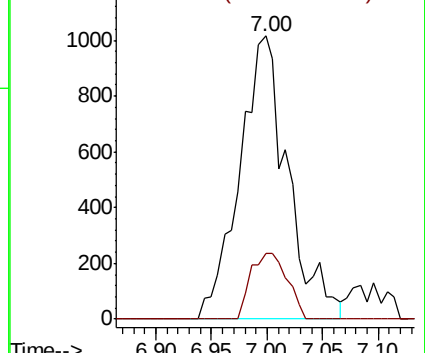
43 100

72 23.3 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 1.190 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.02 min

Lab File: VY002491.D

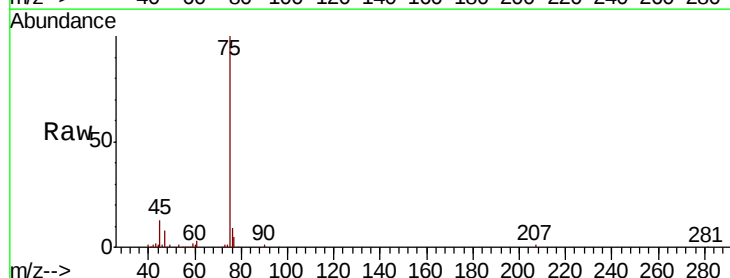
Acq: 28 Apr 2020 13:57

Tgt Ion: 77 Resp: 4806

Ion Ratio Lower Upper

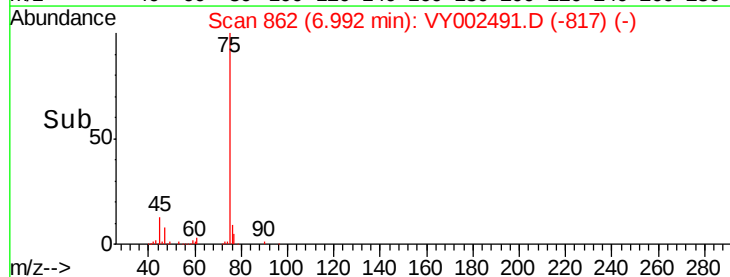
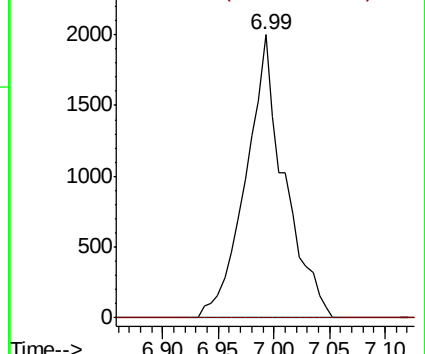
77 100

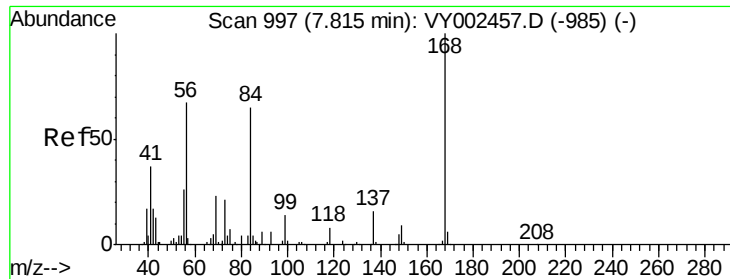
97 0.0 12.0 36.0#



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

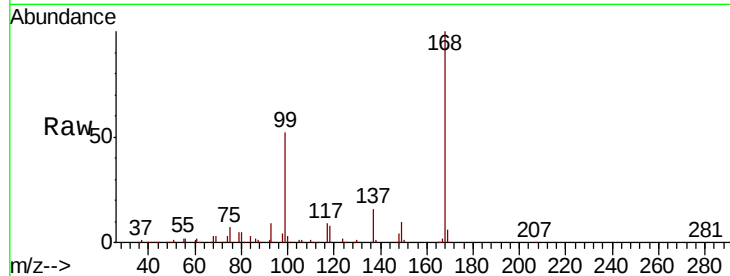




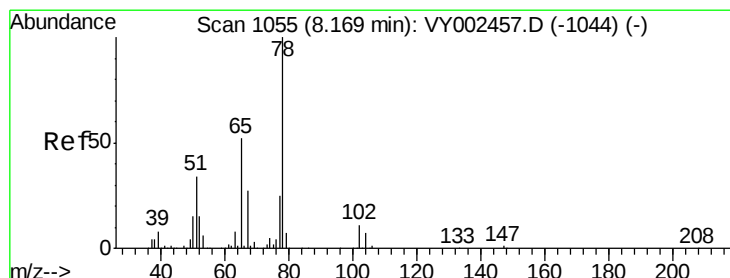
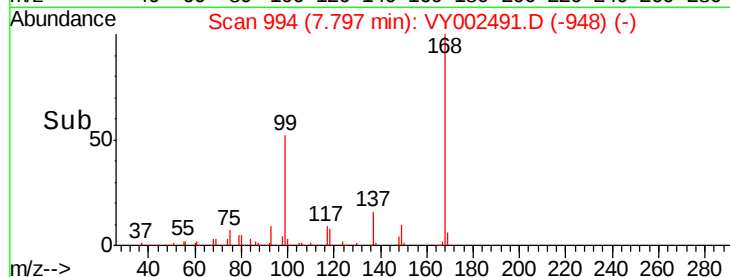
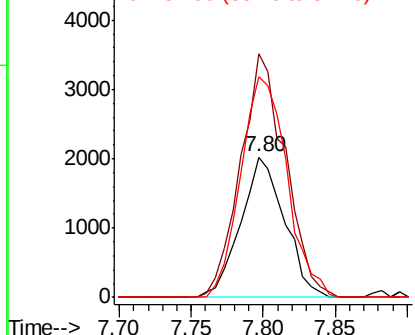
#31
Cyclohexane
Concen: 1.018 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.02 min
Lab File: VY002491.D
Acq: 28 Apr 2020 13:57

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 4296
Ion Ratio Lower Upper
56 100
69 173.9 27.0 40.6#
84 157.7 77.4 116.2#

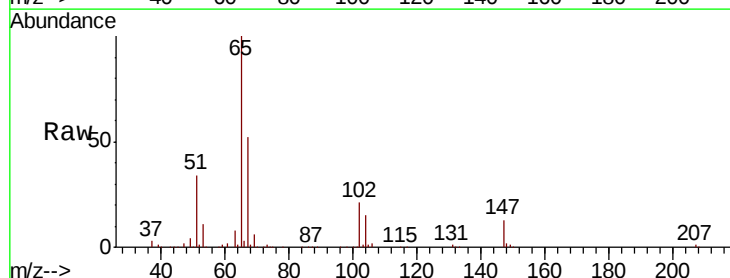


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

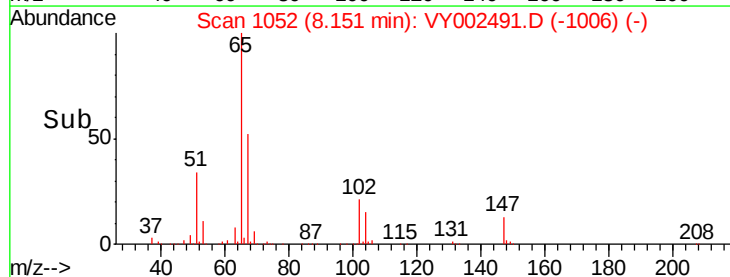
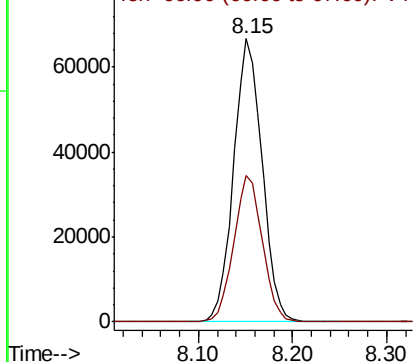


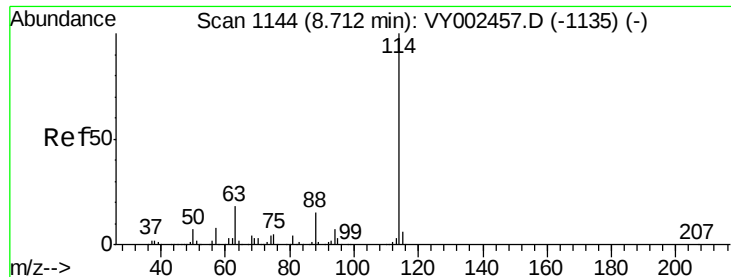
#33
1,2-Dichloroethane-d4
Concen: 57.446 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.02 min
Lab File: VY002491.D
Acq: 28 Apr 2020 13:57

Tgt Ion: 65 Resp: 140744
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

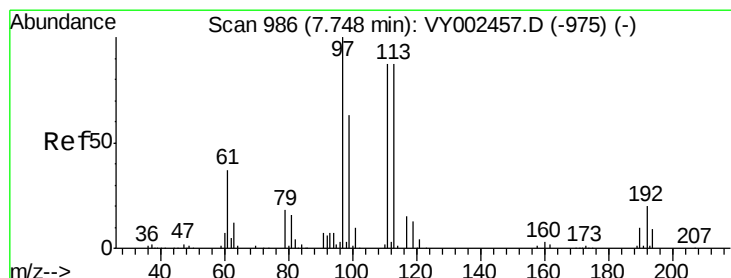
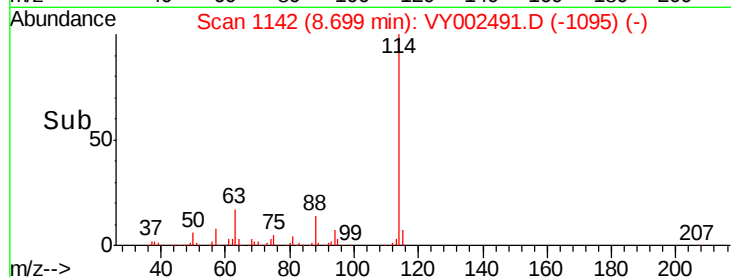
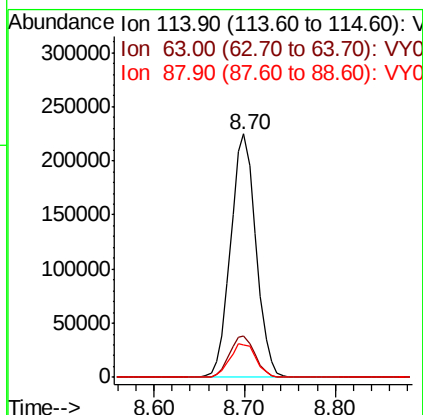
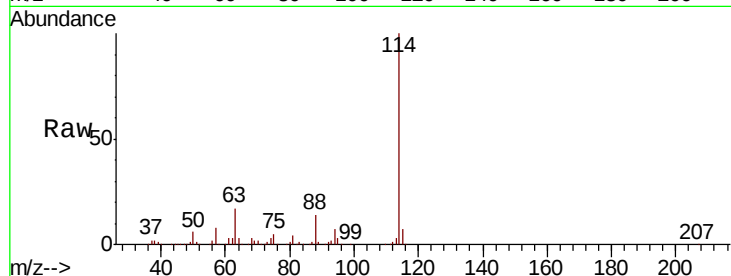




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002491.D
 Acq: 28 Apr 2020 13:57

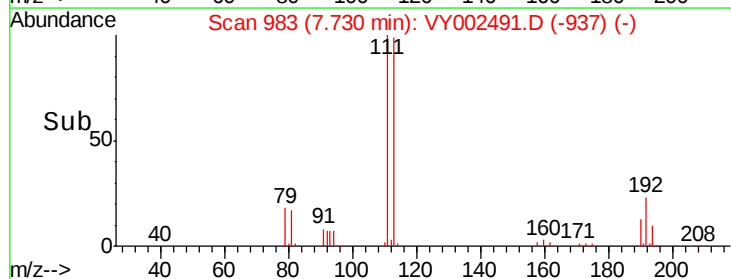
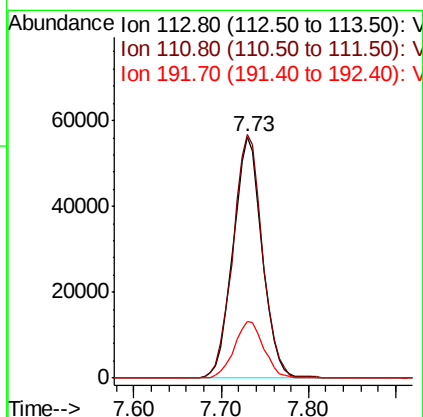
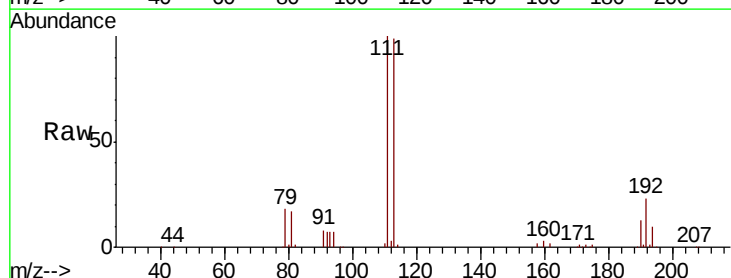
Instrument :
 MSVOA_Y
 ClientSampleId :

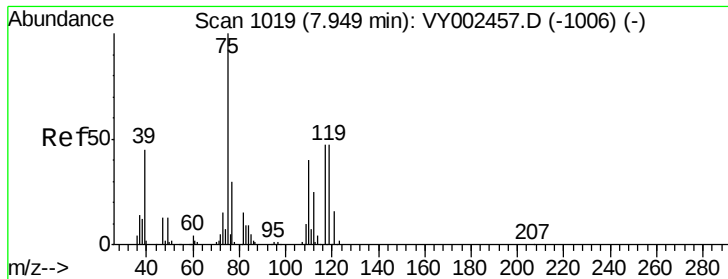
Tot Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	35.6
88	13.6	0.0	29.4



#35
 Dibromofluoromethane
 Concen: 52.800 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.02 min
 Lab File: VY002491.D
 Acq: 28 Apr 2020 13:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.0	121.4
192	23.7	18.6	27.8

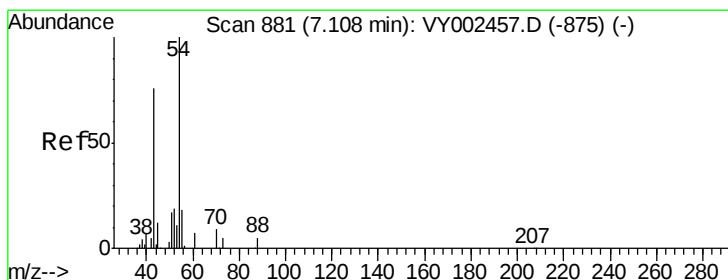
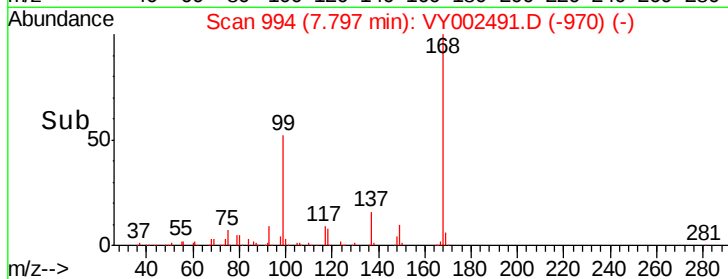
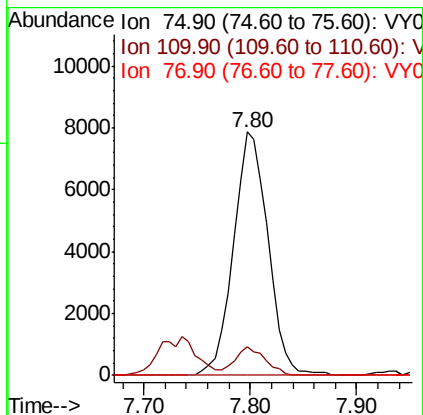
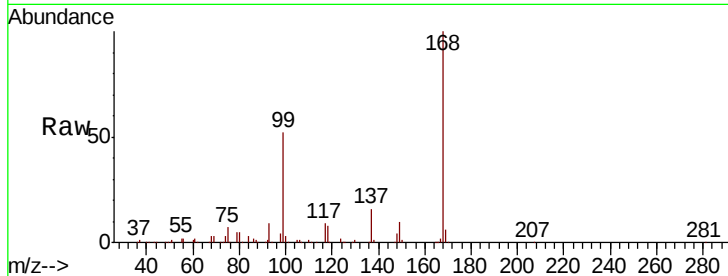




#36
 1,1-Dichloropropene
 Concen: 4.801 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.15 min
 Lab File: VY002491.D
 Acq: 28 Apr 2020 13:57

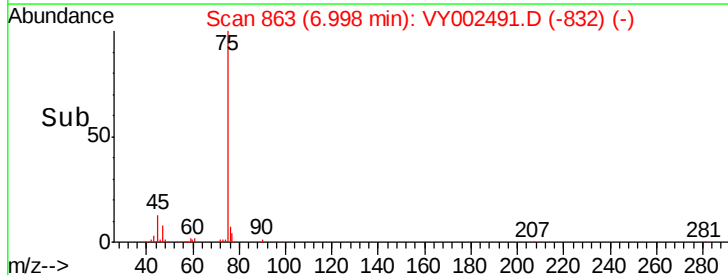
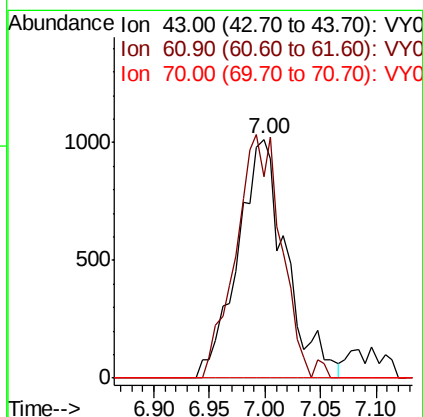
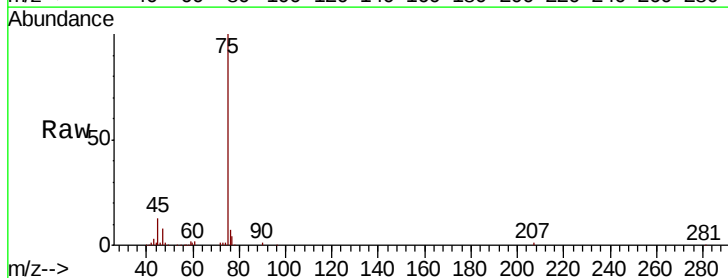
Instrument :
 MSVOA_Y
 ClientSampled :

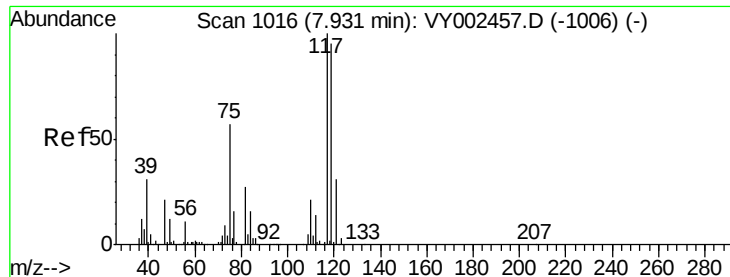
Tot Ion	75	Resp	17887
Ion Ratio	100	Lower	Upper
75	10.2	19.4	58.4#
110	0.0	24.7	37.1#



#37
 Ethyl Acetate
 Concen: 1.634 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.11 min
 Lab File: VY002491.D
 Acq: 28 Apr 2020 13:57

Tgt Ion	43	Resp	3059
Ion Ratio	100	Lower	Upper
43	95.1	11.8	17.8#
61	0.0	9.3	13.9#





#38

Carbon Tetrachloride

Concen: 5.840 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY002491.D

Acq: 28 Apr 2020 13:57

Instrument :

MSVOA_Y

ClientSampleId :

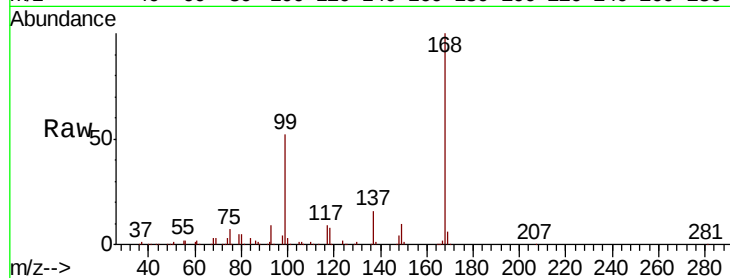
Tot Ion:117 Resp: 25022

Ion Ratio Lower Upper

117 100

119 4.2 75.9 113.9#

121 0.0 24.5 36.7#

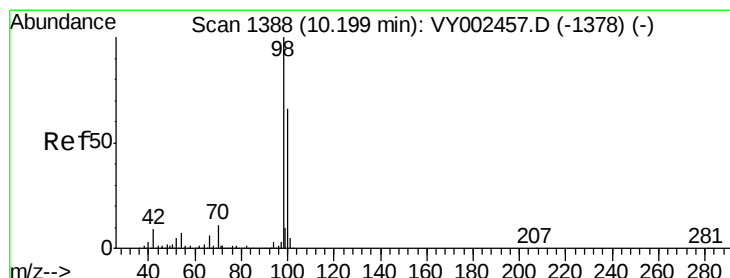
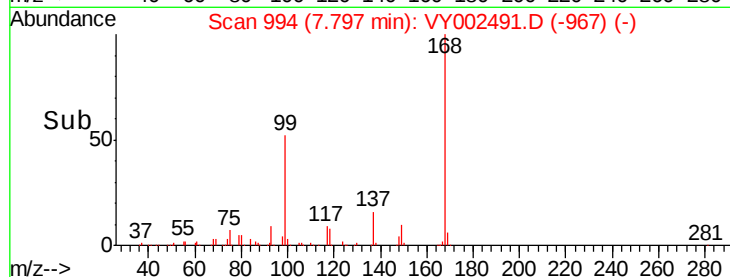
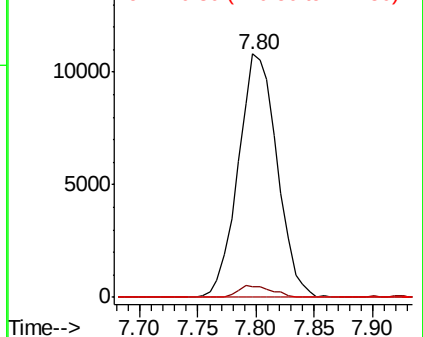


Abundance

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: 50.745 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.02 min

Lab File: VY002491.D

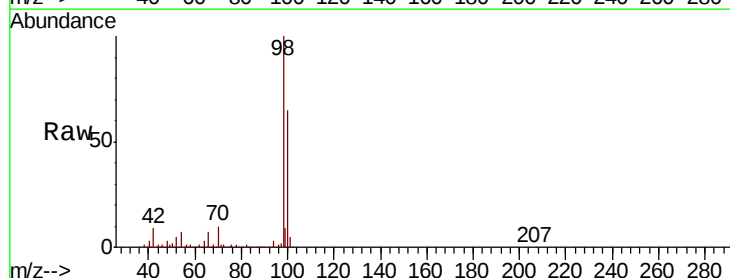
Acq: 28 Apr 2020 13:57

Tgt Ion: 98 Resp: 499889

Ion Ratio Lower Upper

98 100

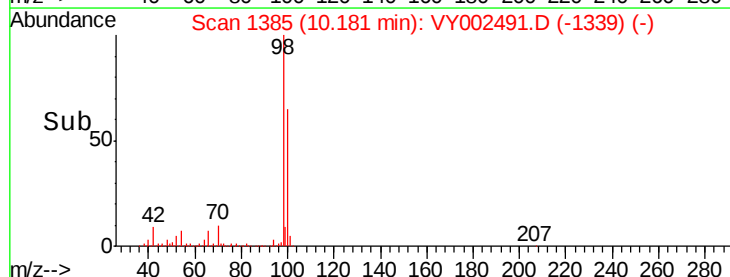
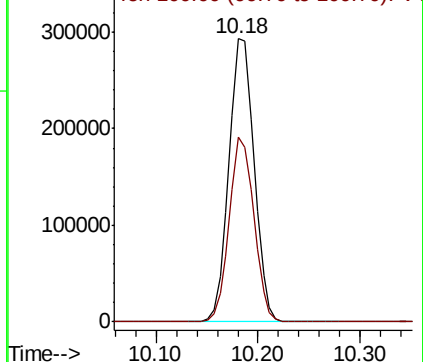
100 64.0 51.1 76.7

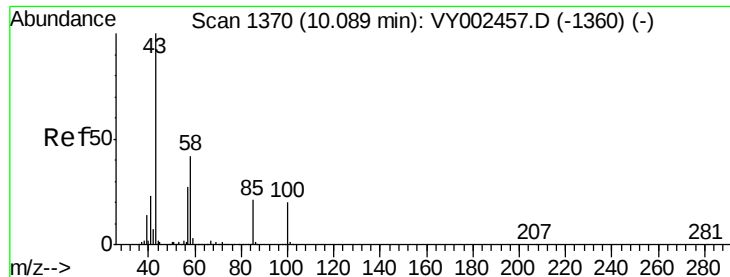


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

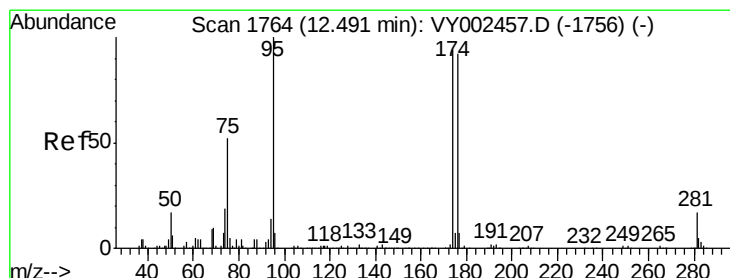
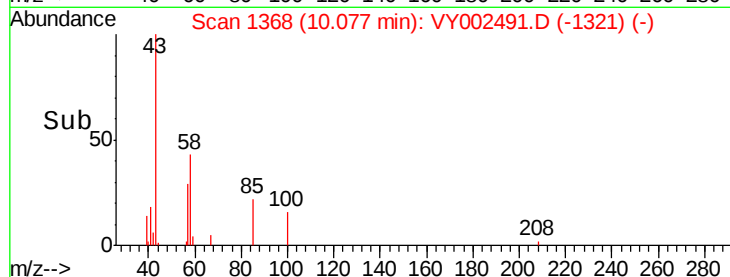
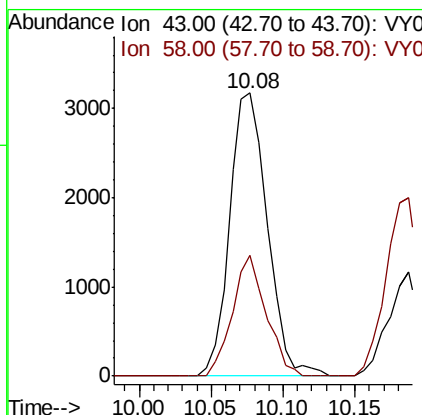
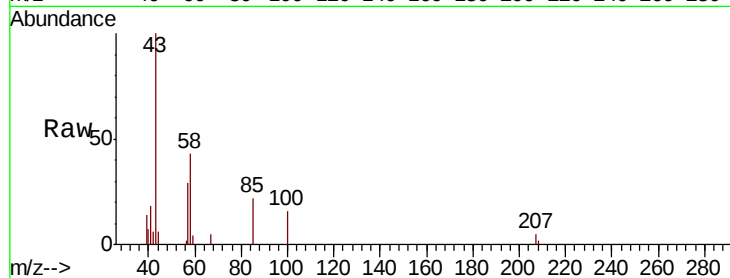




#51
4-Methyl-2-Pentanone
Concen: 3.185 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VY002491.D
Acq: 28 Apr 2020 13:57

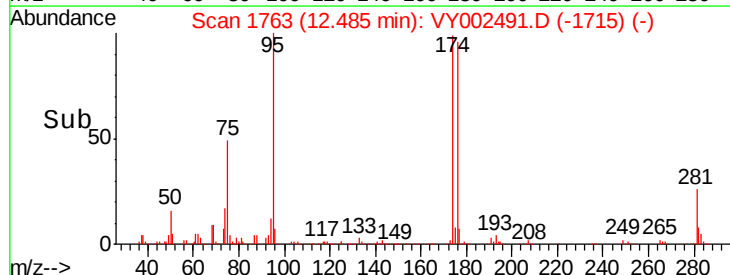
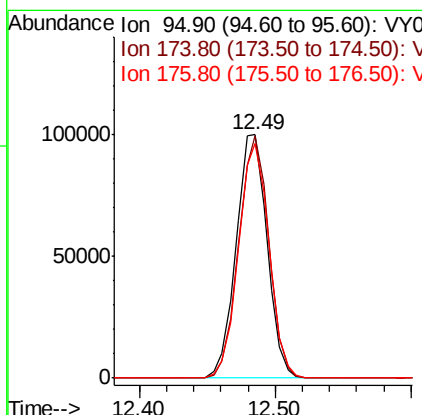
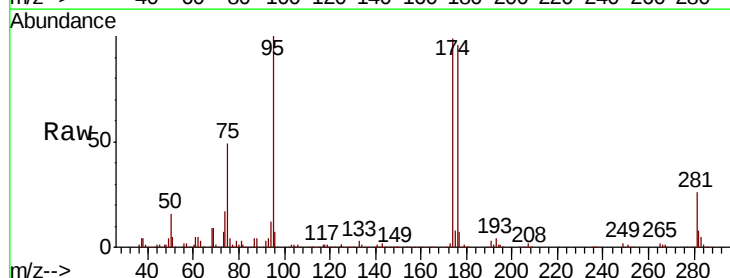
Instrument :
MSVOA_Y
ClientSampleId :

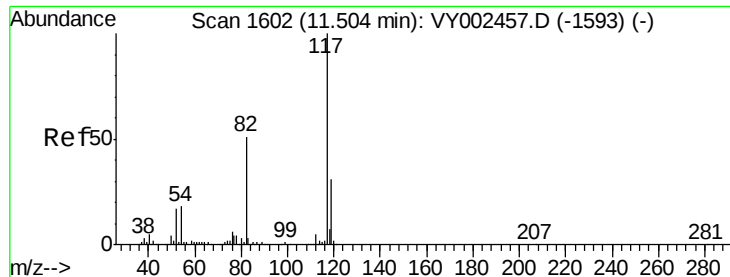
Tot Ion: 43 Resp: 5792
Ion Ratio Lower Upper
43 100
58 38.3 33.2 49.8



#62
4-Bromofluorobenzene
Concen: 47.976 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VY002491.D
Acq: 28 Apr 2020 13:57

Tgt Ion: 95 Resp: 158583
Ion Ratio Lower Upper
95 100
174 96.9 0.0 193.0
176 94.9 0.0 190.4

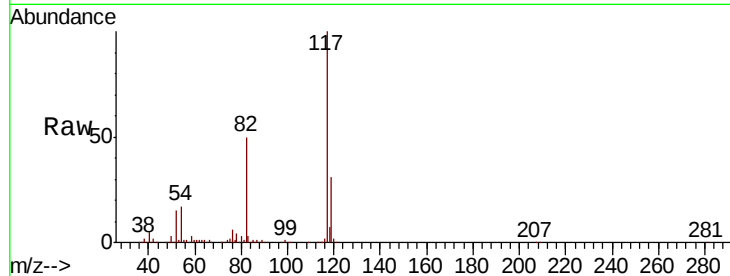




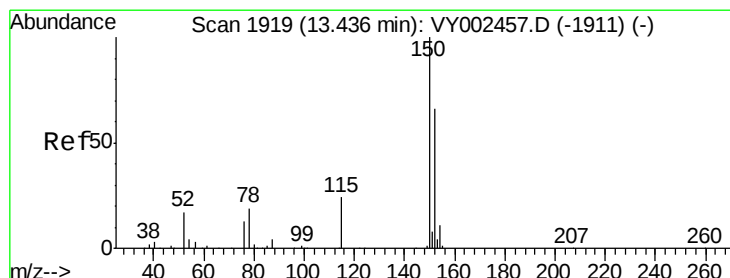
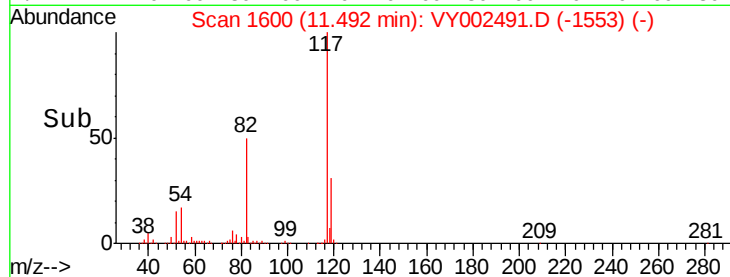
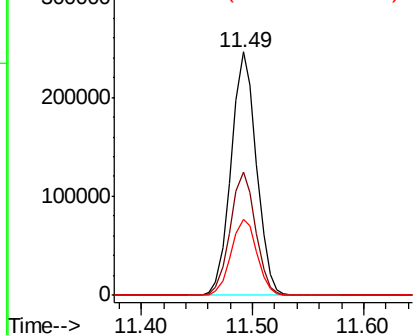
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002491.D
Acq: 28 Apr 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.5	40.8	61.2
119	31.1	25.2	37.8

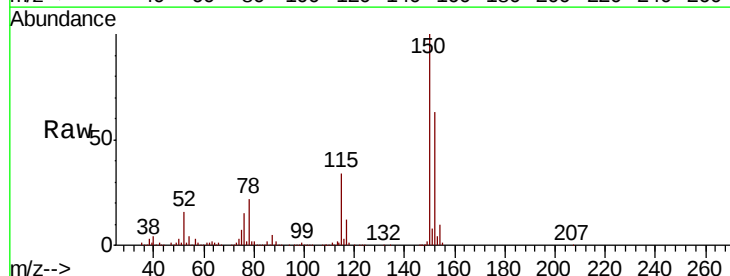


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

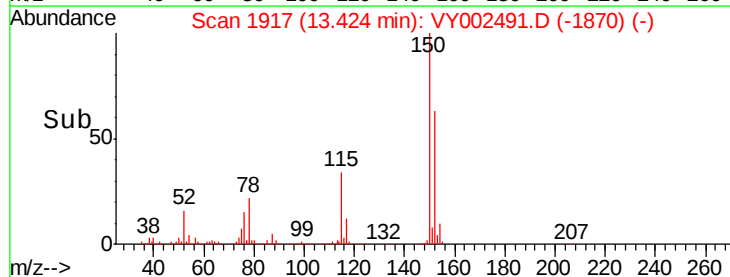
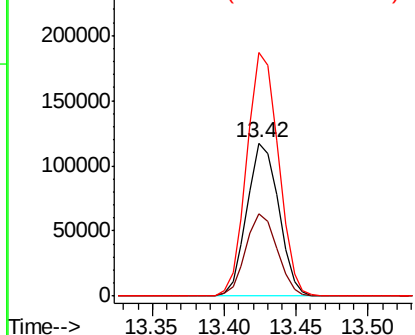


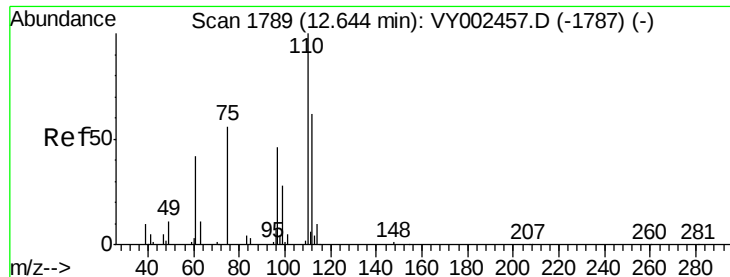
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY002491.D
Acq: 28 Apr 2020 13:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.3	27.3	81.8
150	158.1	0.0	346.8



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: 52.023 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY002491.D

Acq: 28 Apr 2020 13:57

Instrument :

MSVOA_Y

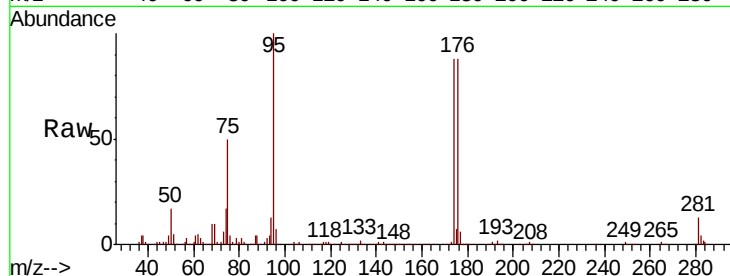
ClientSampled :

Tot Ion: 75 Resp: 79106

Ion Ratio Lower Upper

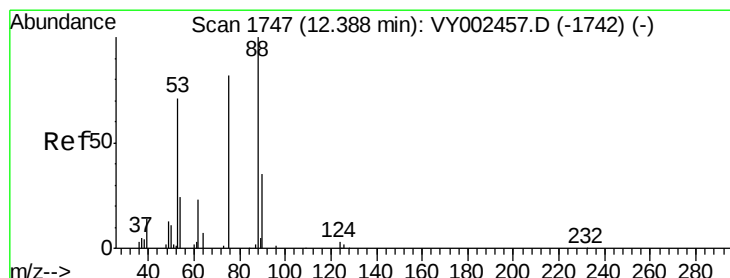
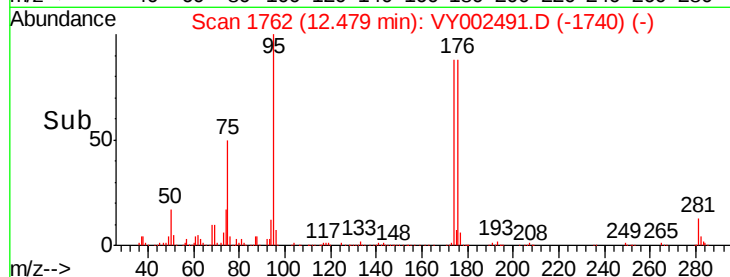
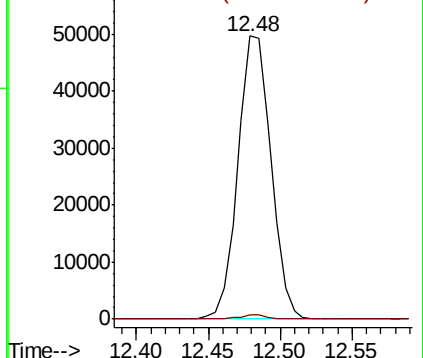
75 100

77 1.3 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: 96.267 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002491.D

Acq: 28 Apr 2020 13:57

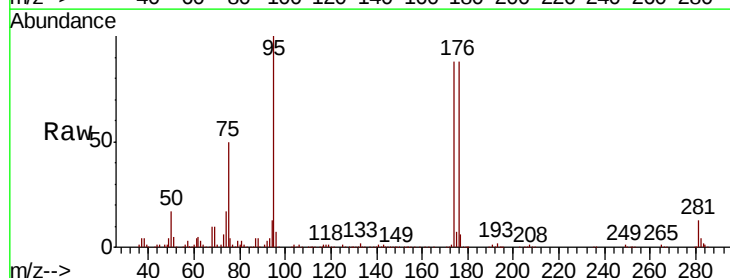
Tgt Ion: 75 Resp: 79106

Ion Ratio Lower Upper

75 100

53 0.0 70.0 105.0#

89 0.4 34.9 52.3#



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

