

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070220\
 Data File : VY003089.D
 Acq On : 02 Jul 2020 16:47
 Operator : SY/MD
 Sample : L3205-01
 Misc : 5.02G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 12013

Quant Time: Jul 03 02:38:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	275501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	450048	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	422861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	206129	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	164802	60.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	120.46%	
35) Dibromofluoromethane	7.72	113	150284	53.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.06%	
50) Toluene-d8	10.18	98	540490	51.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.36%	
62) 4-Bromofluorobenzene	12.48	95	191817	52.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.20%	

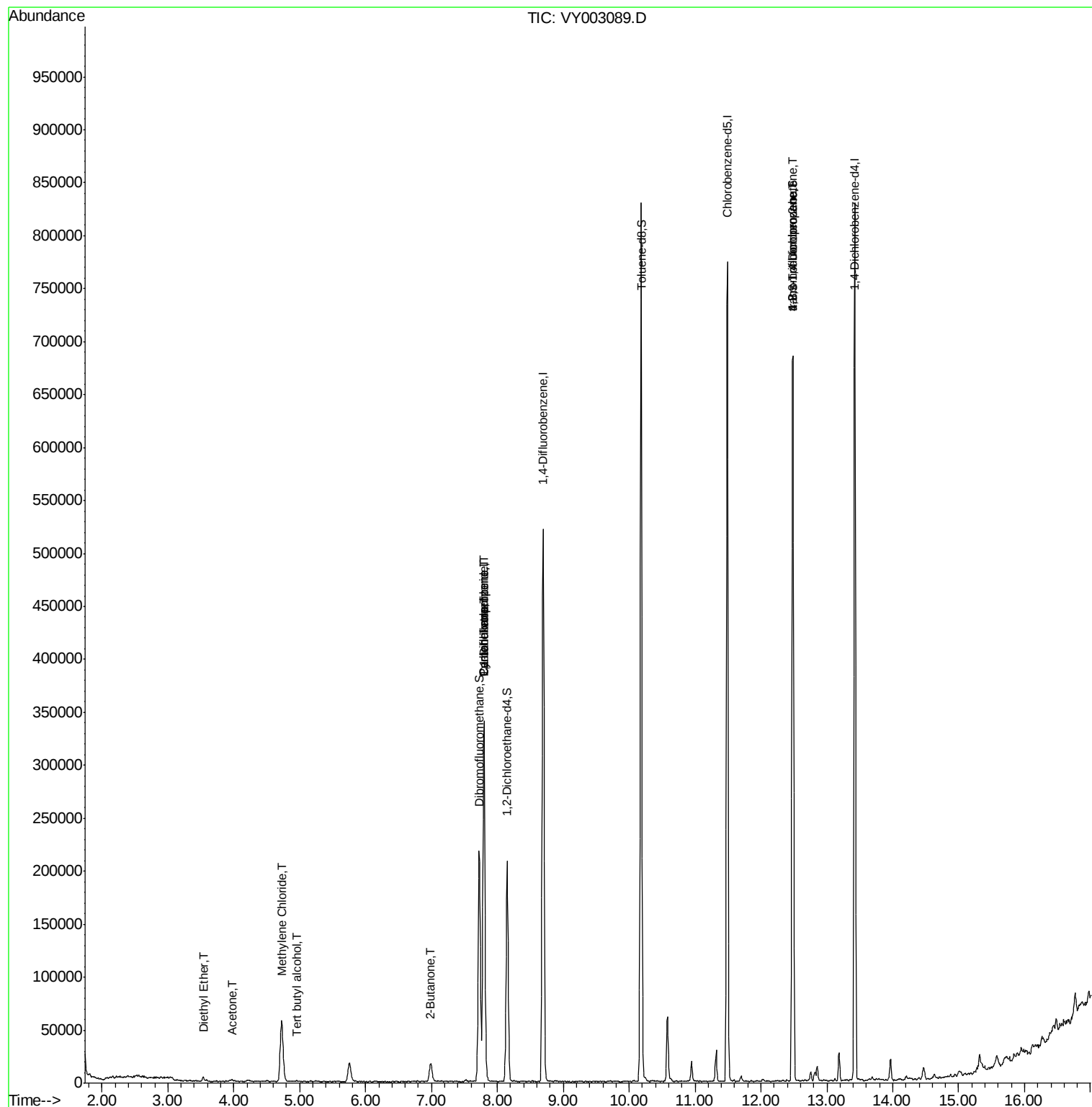
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	2062	1.430	ug/l	82
11) Tert butyl alcohol	4.96	59	1169	4.192	ug/l #	83
16) Acetone	3.96	43	2630	4.075	ug/l #	83
20) Methylene Chloride	4.73	84	45874	10.410	ug/l #	80
25) 2-Butanone	6.99	43	1402	1.368	ug/l #	85
31) Cyclohexane	7.80	56	5654	1.175	ug/l #	26
36) 1,1-Dichloropropene	7.79	75	19508	4.500	ug/l #	50
38) Carbon Tetrachloride	7.80	117	25340	5.618	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	96072	47.093	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	96072	91.623	ug/l #	12

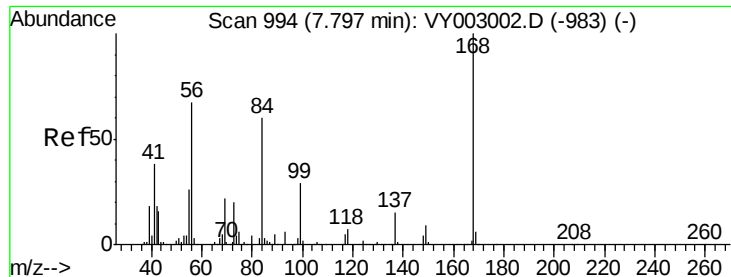
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003089.D

Acq: 02 Jul 2020 16:47

Instrument :

MSVOA_Y

ClientSampleId :

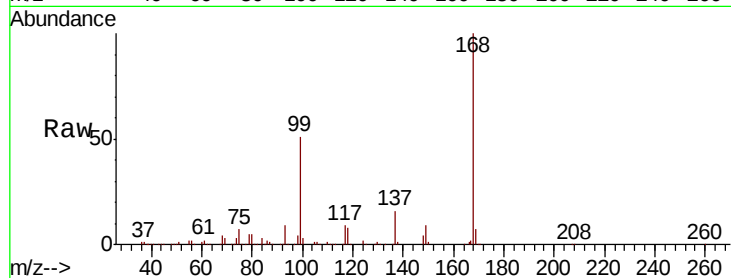
12013

Tot Ion:168 Resp: 275501

Ion Ratio Lower Upper

168 100

99 51.4 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003002.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003002.D (-983) (-)

7.80

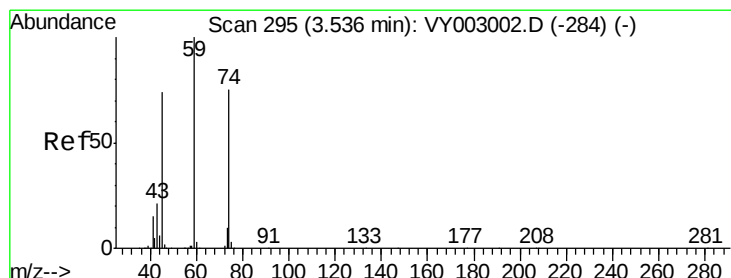
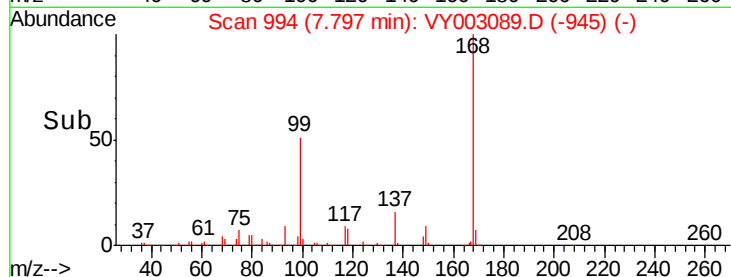
100000

50000

0

7.70 7.80 7.90

Time-->



#8

Diethyl Ether

Concen: 1.430 ug/l

RT: 3.54 min Scan# 296

Delta R.T. 0.01 min

Lab File: VY003089.D

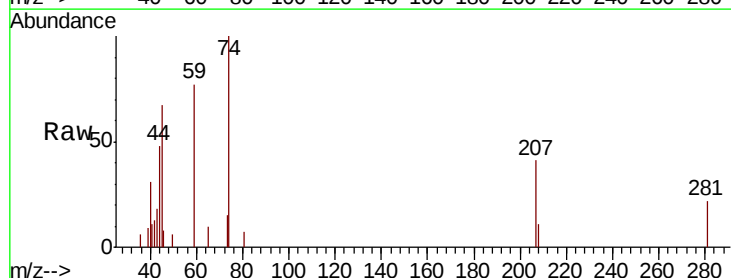
Acq: 02 Jul 2020 16:47

Tgt Ion: 74 Resp: 2062

Ion Ratio Lower Upper

74 100

45 80.9 49.3 147.9



Abundance Ion 74.00 (73.70 to 74.70): VY003002.D (-284) (-)

Ion 45.00 (44.70 to 45.70): VY003002.D (-284) (-)

3.54

1000

800

600

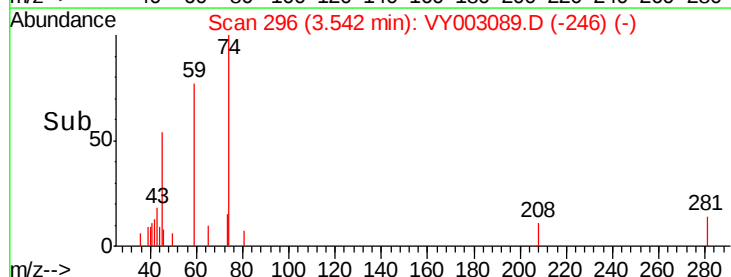
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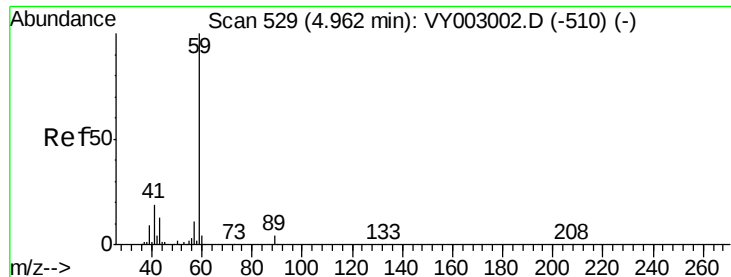
200

0

3.45 3.50 3.55 3.60

Time-->

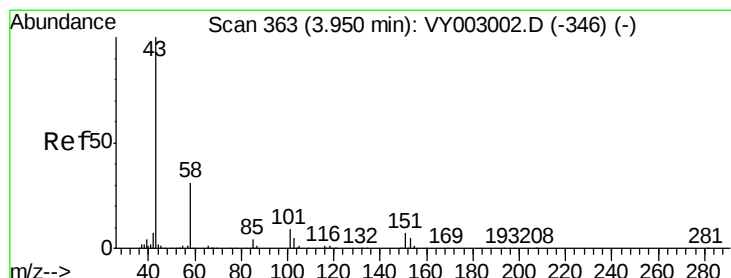
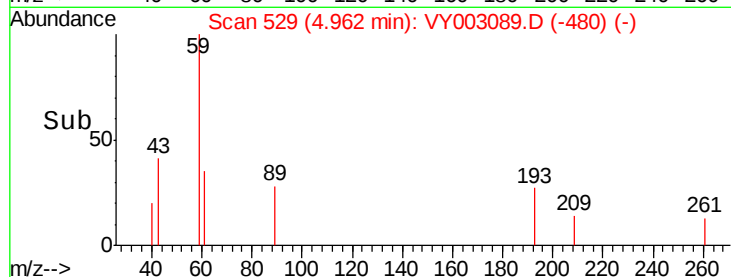
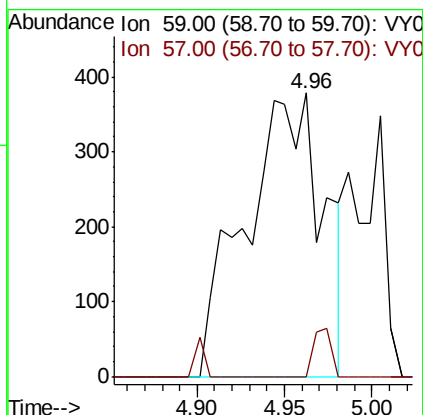
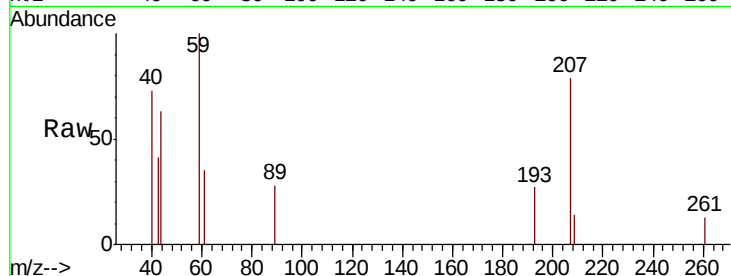




#11
Tert butyl alcohol
Concen: 4.192 ug/l
RT: 4.96 min Scan# 529
Delta R.T. 0.00 min
Lab File: VY003089.D
Acq: 02 Jul 2020 16:47

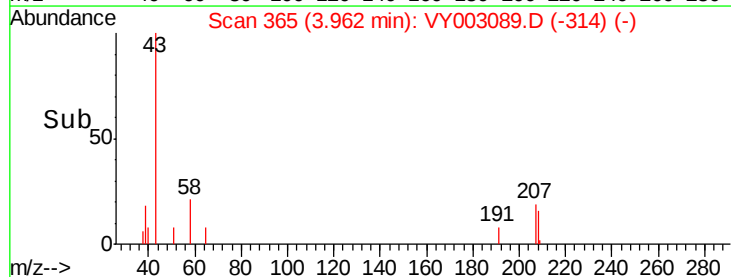
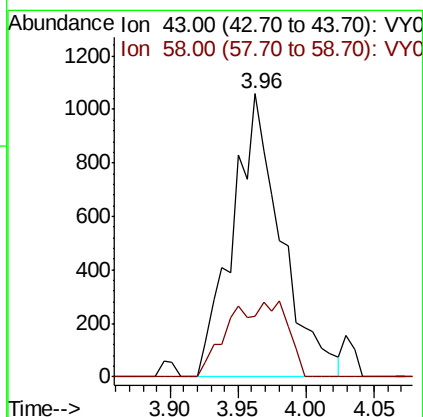
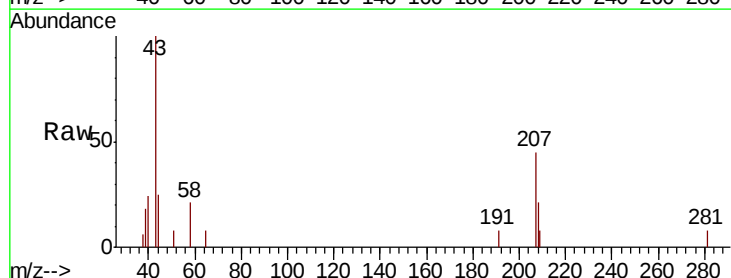
Instrument :
MSVOA_Y
ClientSampled :
12013

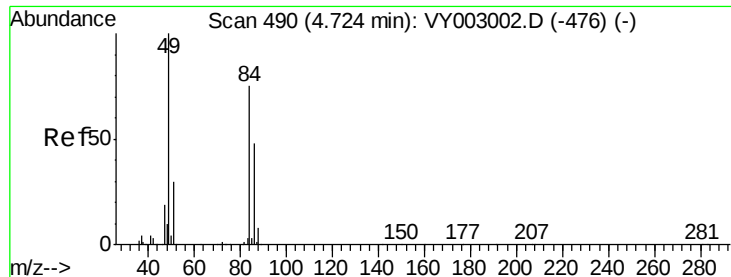
Tot Ion: 59 Resp: 1169
Ion Ratio Lower Upper
59 100
57 3.8 8.0 12.0#



#16
Acetone
Concen: 4.075 ug/l
RT: 3.96 min Scan# 363
Delta R.T. 0.01 min
Lab File: VY003089.D
Acq: 02 Jul 2020 16:47

Tgt Ion: 43 Resp: 2630
Ion Ratio Lower Upper
43 100
58 21.5 24.7 37.1#

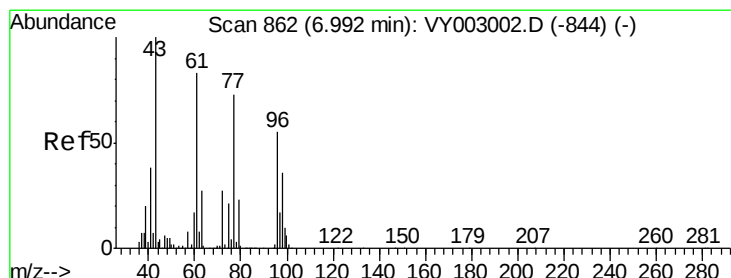
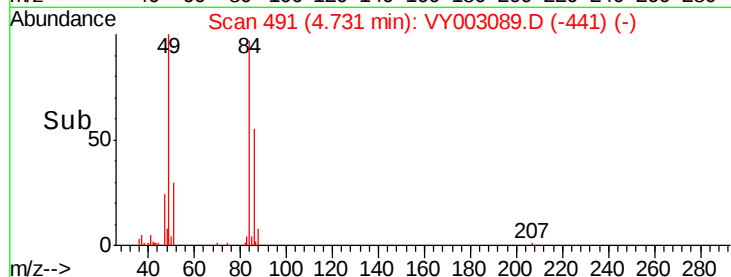
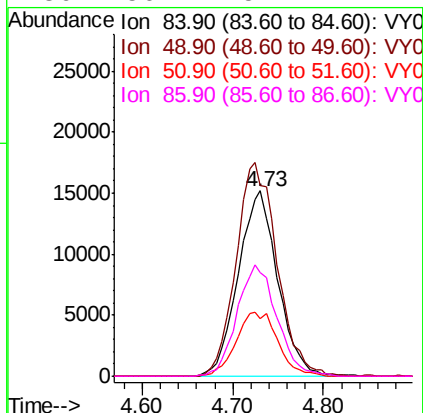
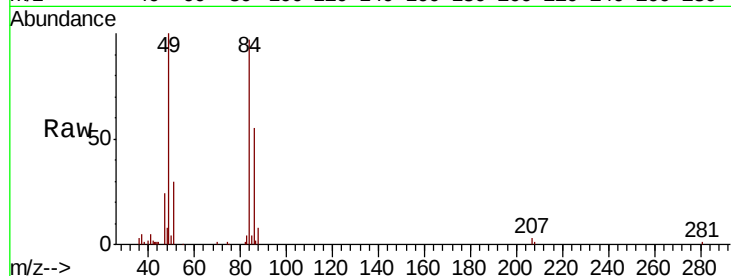




#20
Methvlene Chloride
Concen: 10.410 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003089.D
Acq: 02 Jul 2020 16:47

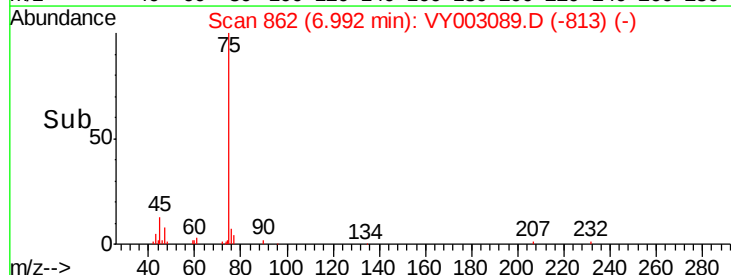
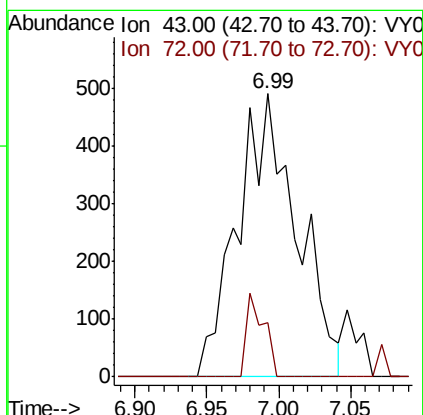
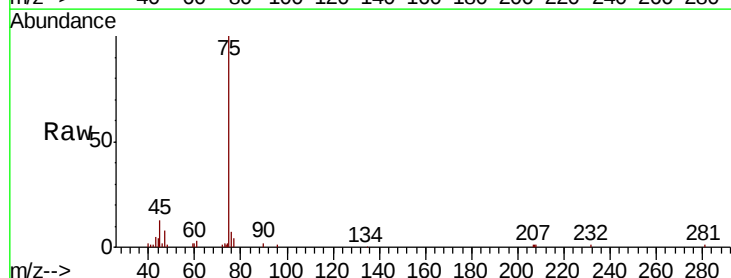
Instrument :
MSVOA_Y
ClientSampled :
12013

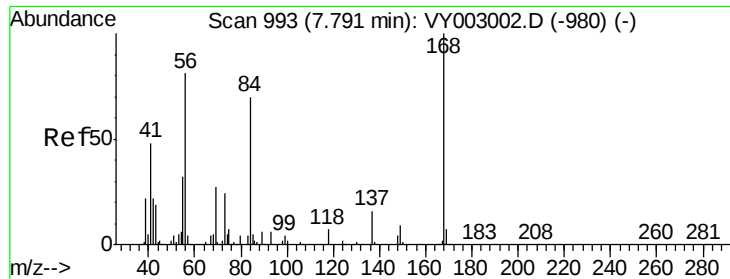
Tot Ion: 84 Resp: 45874
Ion Ratio Lower Upper
84 100
49 103.1 106.8 160.2#
51 30.8 32.0 48.0#
86 56.4 51.4 77.2



#25
2-Butanone
Concen: 1.368 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY003089.D
Acq: 02 Jul 2020 16:47

Tgt Ion: 43 Resp: 1402
Ion Ratio Lower Upper
43 100
72 18.9 21.4 32.0#

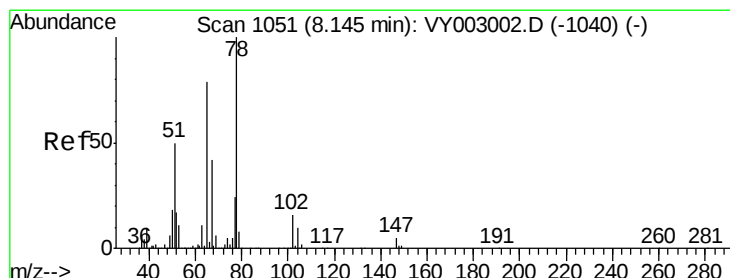
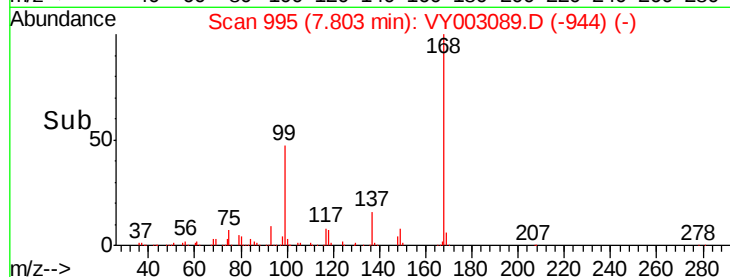
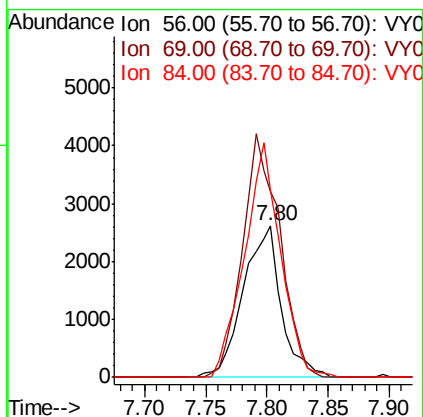
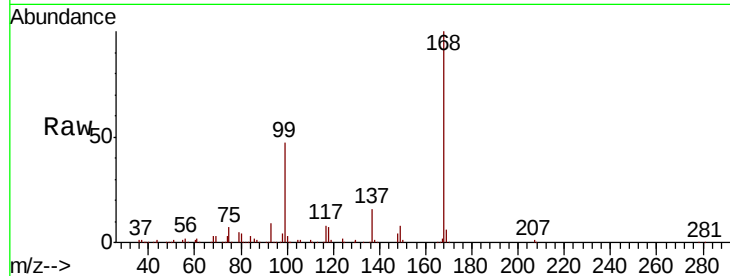




#31
Cyclohexane
Concen: 1.175 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY003089.D
Acq: 02 Jul 2020 16:47

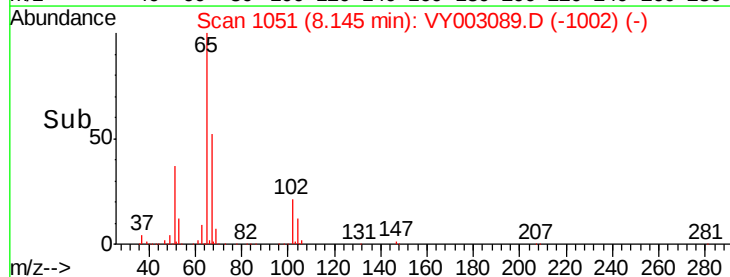
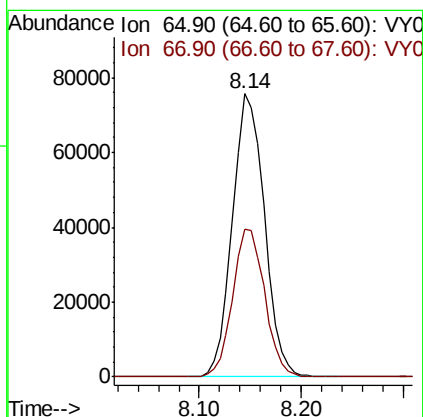
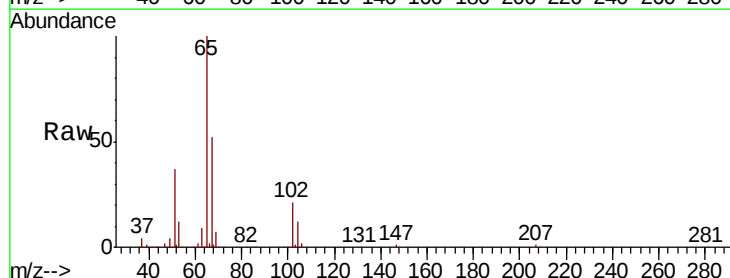
Instrument :
MSVOA_Y
ClientSampled :
12013

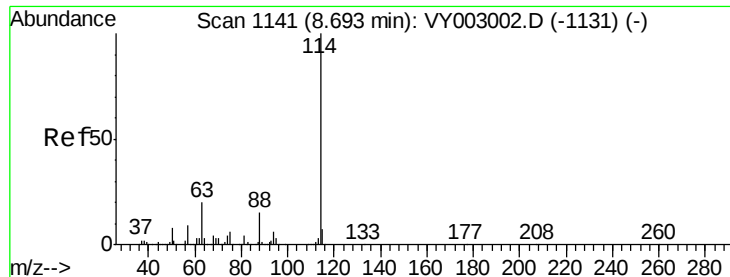
Tot Ion: 56 Resp: 5654
Ion Ratio Lower Upper
56 100
69 122.8 27.0 40.4#
84 123.4 68.1 102.1#



#33
1,2-Dichloroethane-d4
Concen: 60.228 ug/l
RT: 8.14 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VY003089.D
Acq: 02 Jul 2020 16:47

Tgt Ion: 65 Resp: 164802
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY003089.D

Acq: 02 Jul 2020 16:47

Instrument :

MSVOA_Y

ClientSampleId :
12013

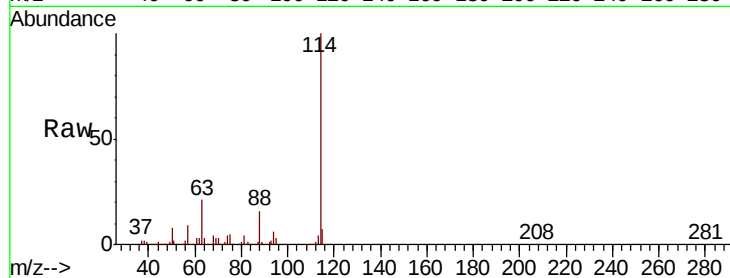
Tot Ion:114 Resp: 450048

Ion Ratio Lower Upper

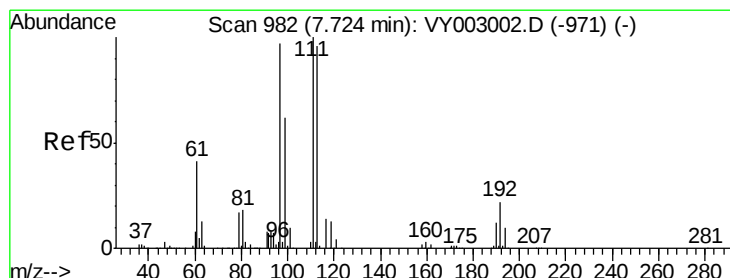
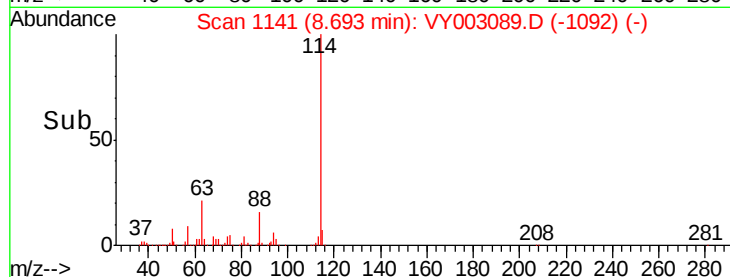
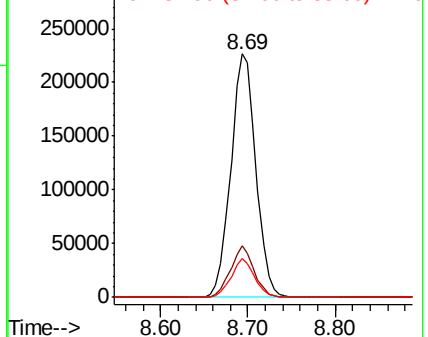
114 100

63 21.1 0.0 40.6

88 15.7 0.0 30.0



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: 53.530 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003089.D

Acq: 02 Jul 2020 16:47

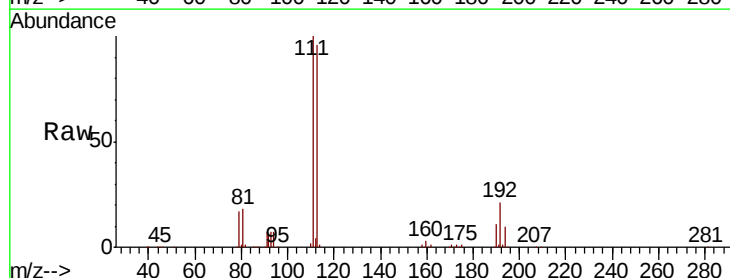
Tgt Ion:113 Resp: 150284

Ion Ratio Lower Upper

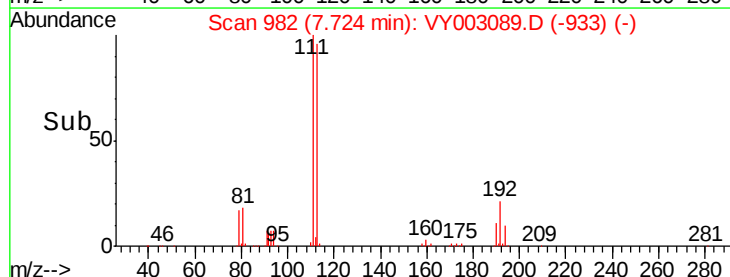
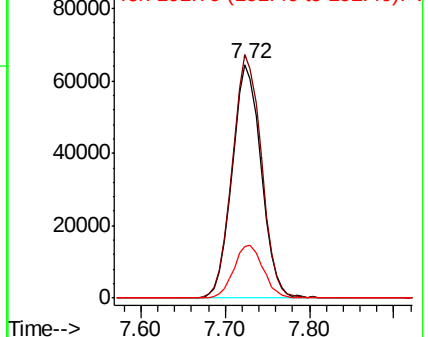
113 100

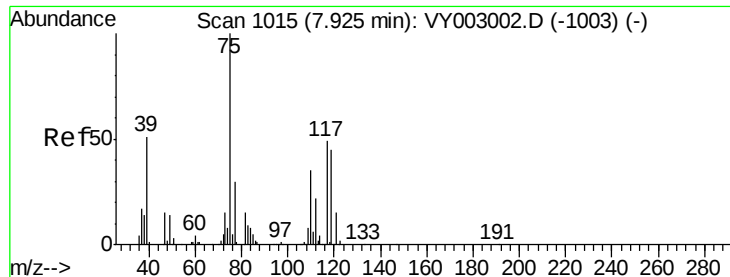
111 104.7 82.6 123.8

192 22.9 18.1 27.1



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

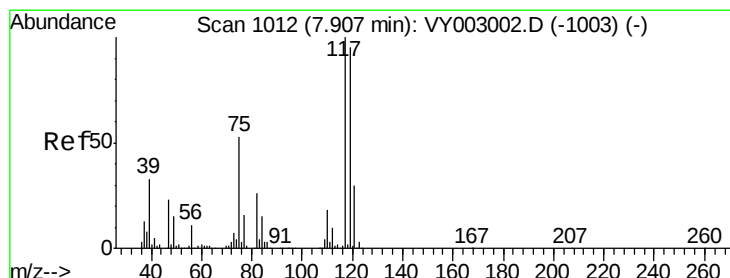
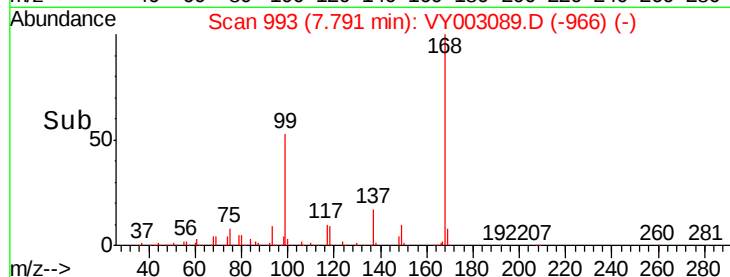
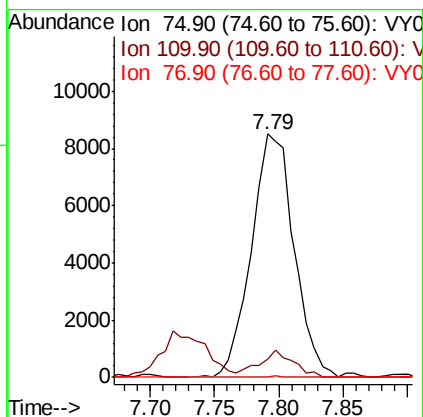
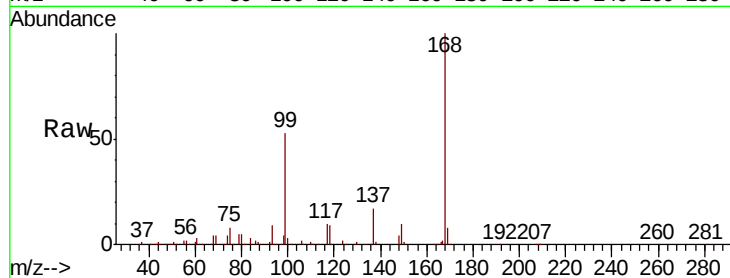




#36
 1,1-Dichloropropene
 Concen: 4.500 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003089.D
 Acq: 02 Jul 2020 16:47

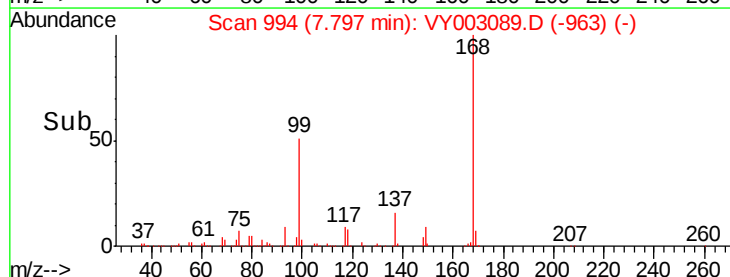
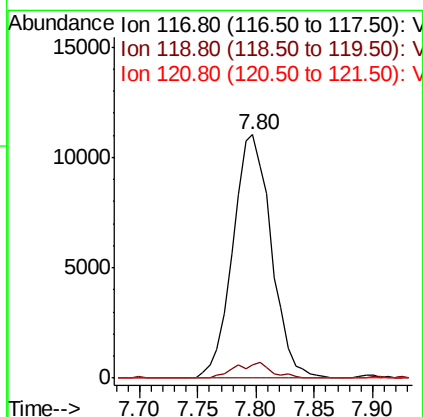
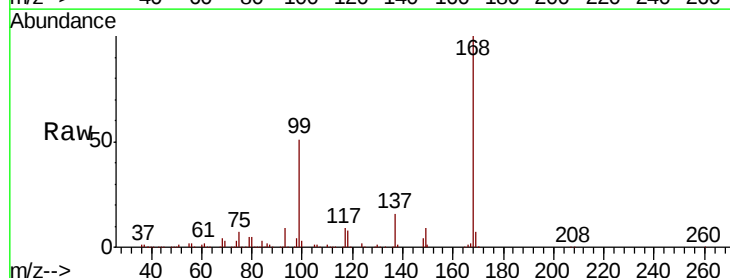
Instrument :
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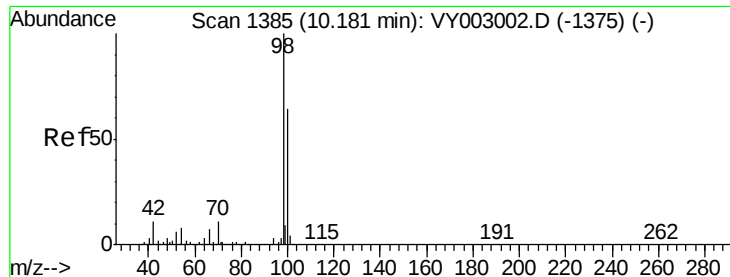
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.1	51.2#
77	0.1	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.618 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY003089.D
 Acq: 02 Jul 2020 16:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	75.7	113.5#
121	0.0	23.9	35.9#





#50

Toluene-d8

Concen: 51.677 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003089.D

Acq: 02 Jul 2020 16:47

Instrument :

MSVOA_Y

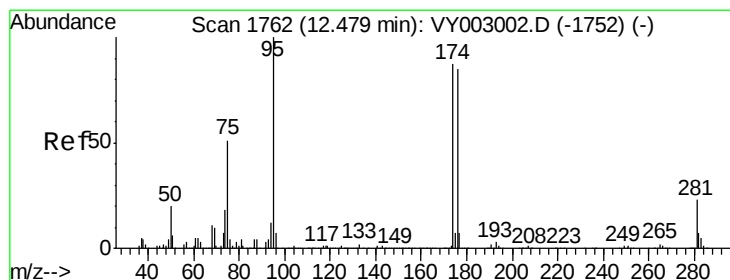
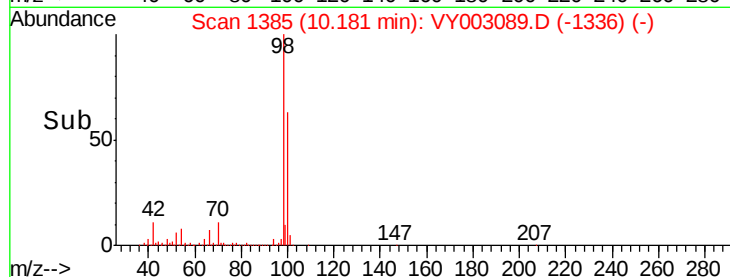
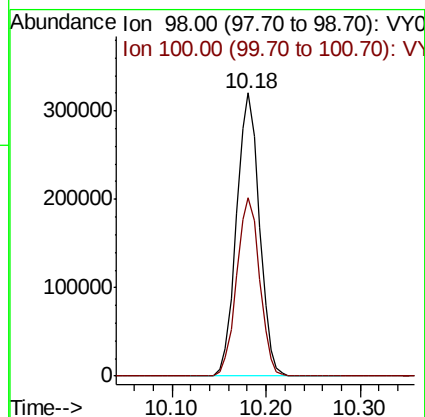
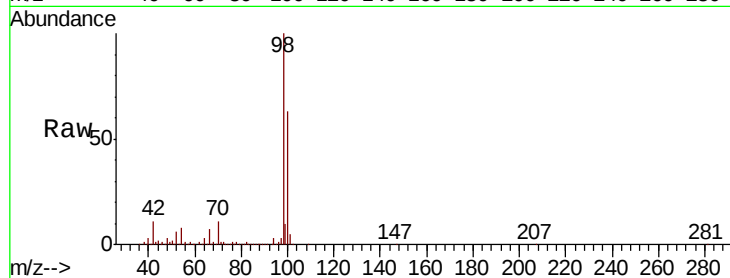
ClientSampleId :
12013

Tot Ion: 98 Resp: 540490

Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 52.101 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003089.D

Acq: 02 Jul 2020 16:47

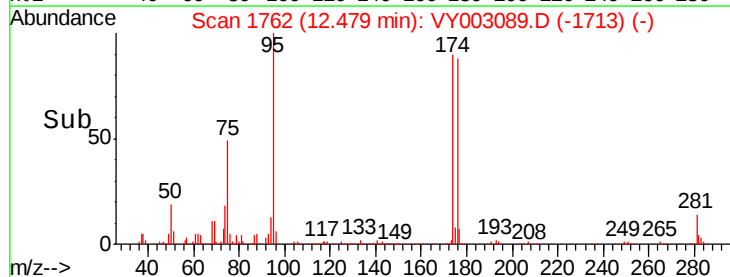
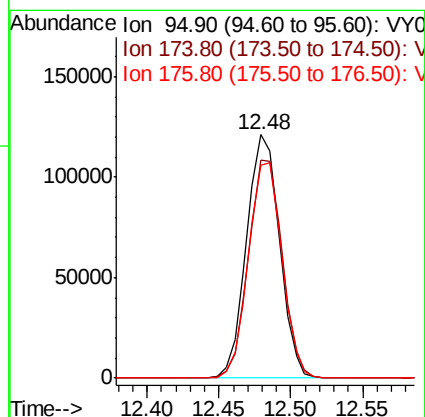
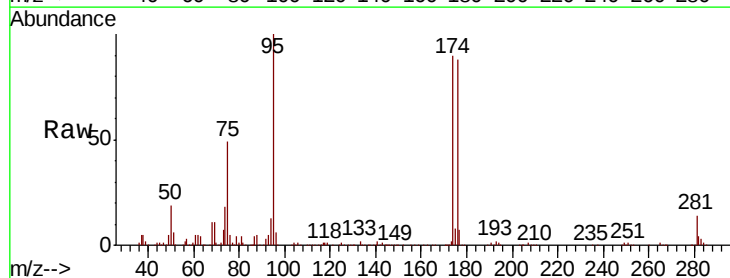
Tgt Ion: 95 Resp: 191817

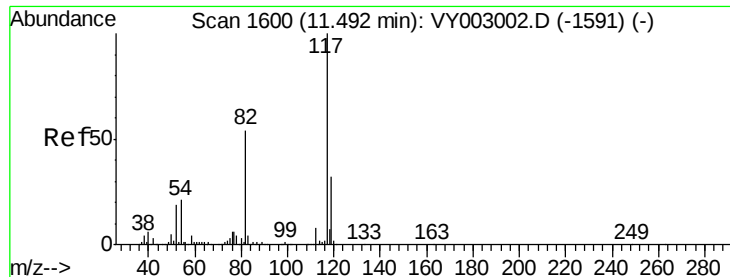
Ion Ratio Lower Upper

95 100

174 91.4 0.0 184.8

176 90.1 0.0 183.0

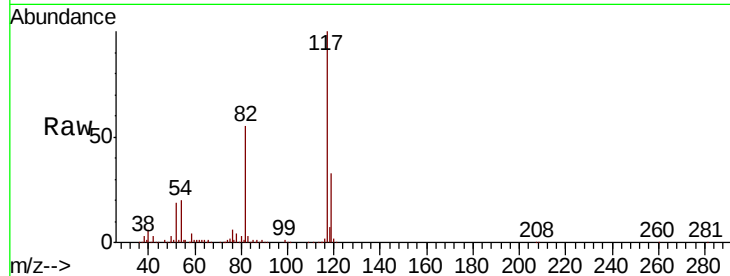




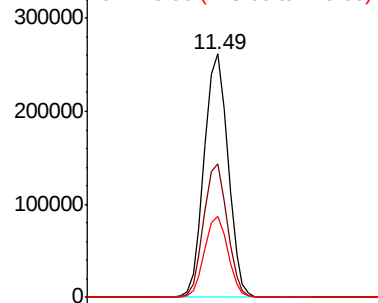
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003089.D
Acq: 02 Jul 2020 16:47

Instrument :
MSVOA_Y
ClientSampleId :
12013

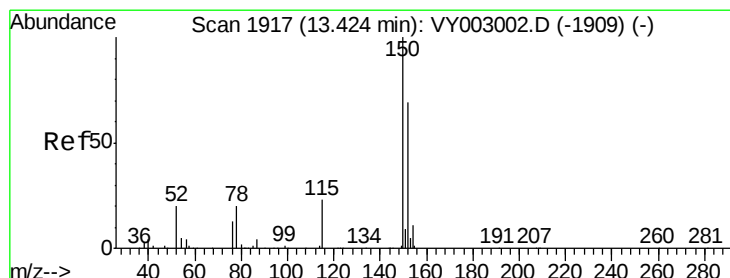
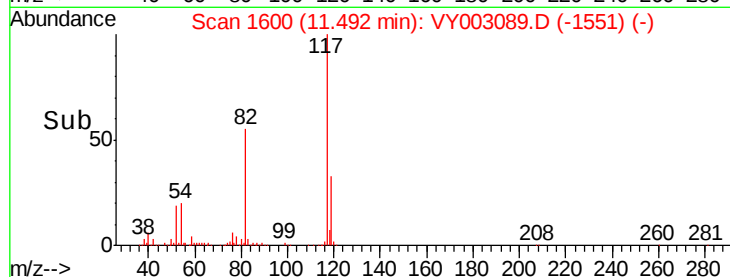
Tot Ion:117 Resp: 422861
Ion Ratio Lower Upper
117 100
82 54.7 43.0 64.6
119 33.1 25.8 38.8



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

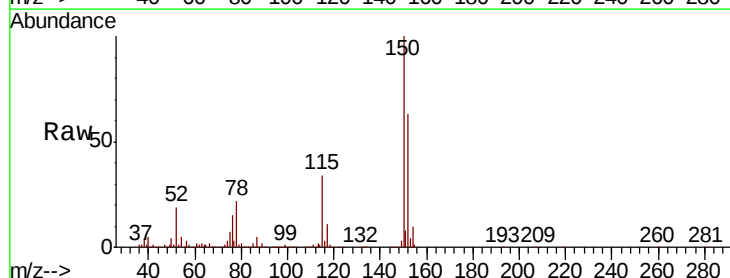


Time-->

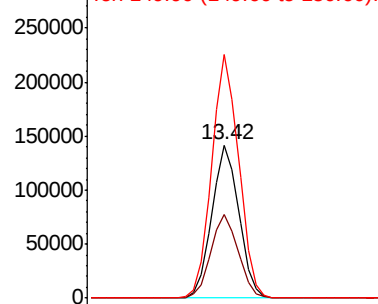


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003089.D
Acq: 02 Jul 2020 16:47

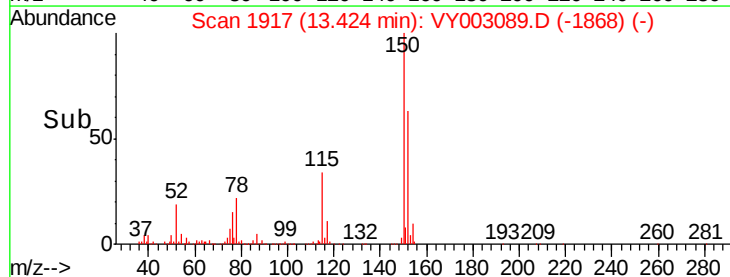
Tgt Ion:152 Resp: 206129
Ion Ratio Lower Upper
152 100
115 55.2 27.3 81.9
150 158.6 0.0 343.4

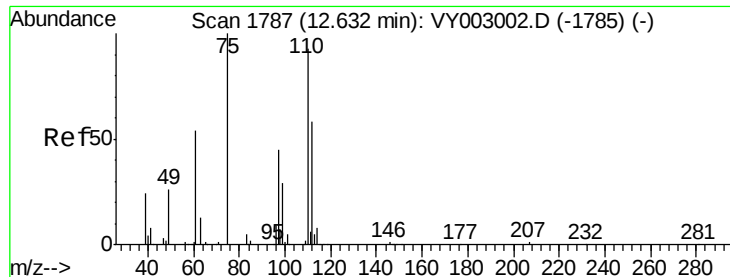


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



Time-->





#76

1,2,3-Trichloropropane

Concen: 47.093 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003089.D

Acq: 02 Jul 2020 16:47

Instrument :

MSVOA_Y

ClientSampleId :

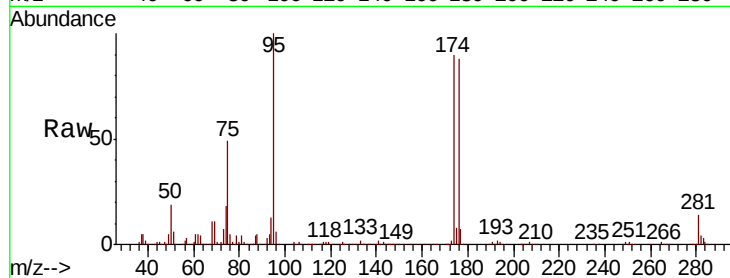
12013

Tot Ion: 75 Resp: 96072

Ion Ratio Lower Upper

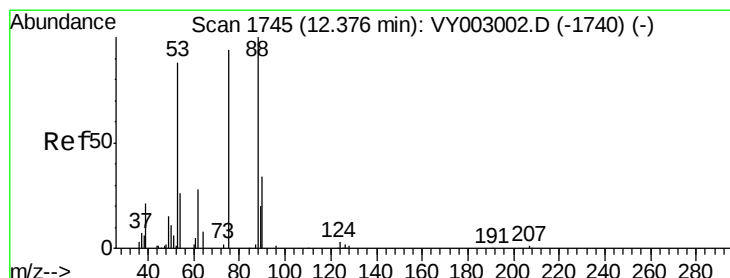
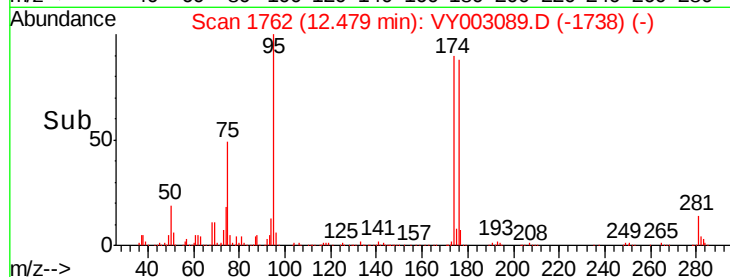
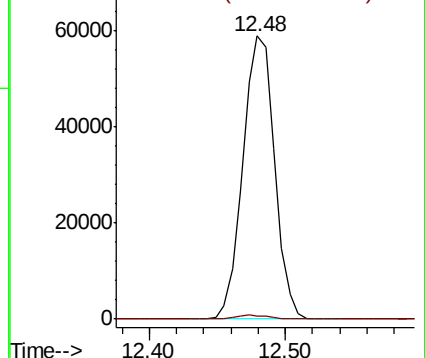
75 100

77 1.5 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: 91.623 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003089.D

Acq: 02 Jul 2020 16:47

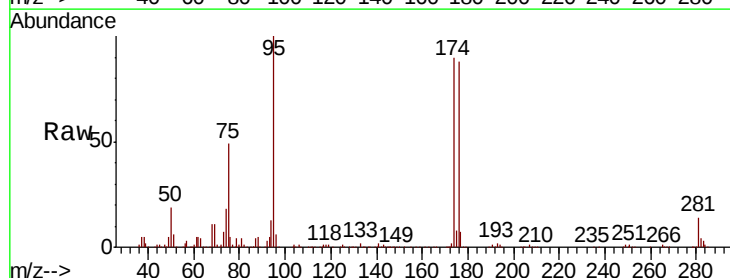
Tgt Ion: 75 Resp: 96072

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

89 0.3 37.5 56.3#



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

