

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081622\
 Data File : VY010040.D
 Acq On : 16 Aug 2022 13:34
 Operator : KP/MD
 Sample : VY0816SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0816SBL01

Quant Time: Aug 16 16:52:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081522S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 07:01:08 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

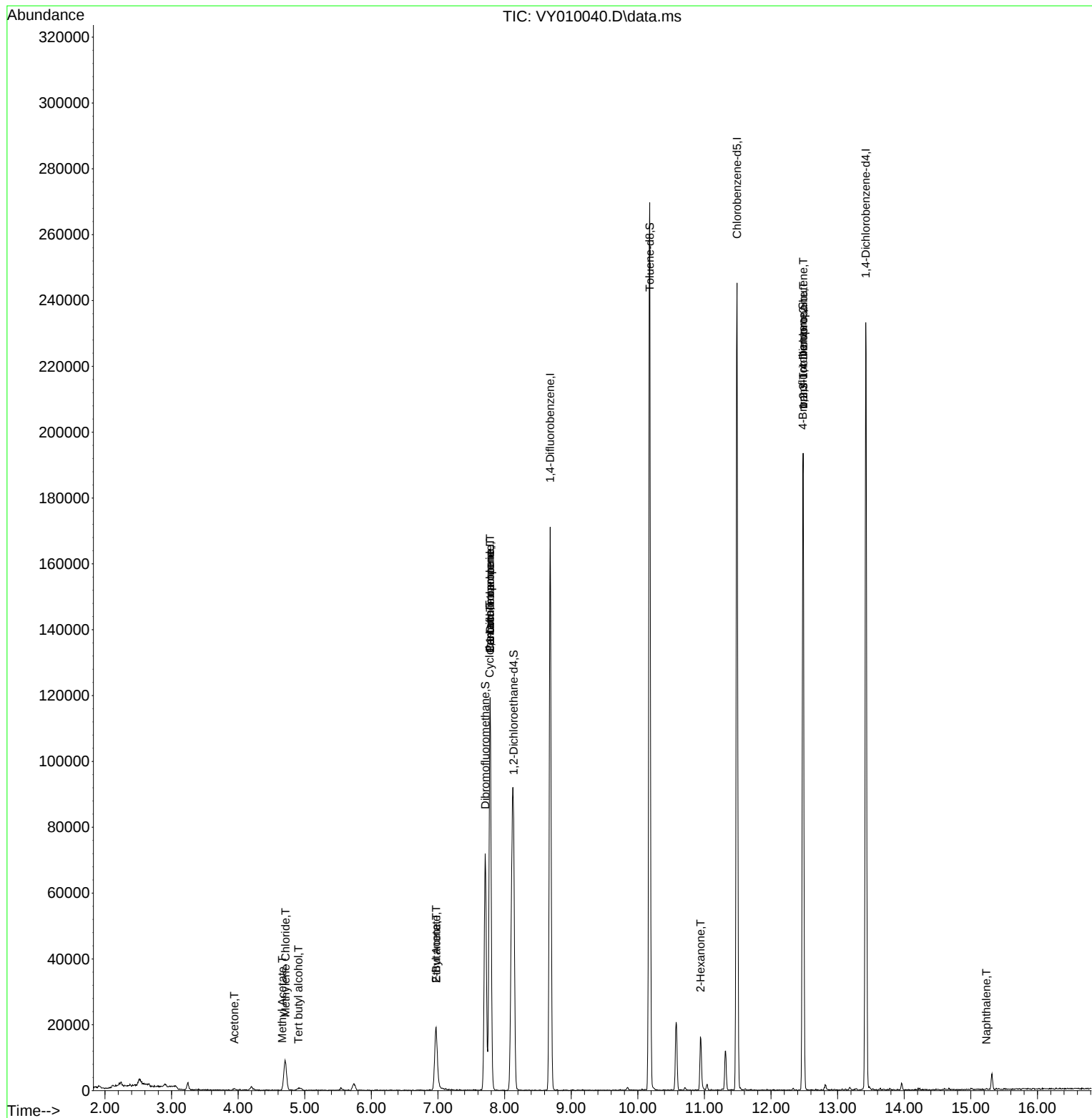
Internal Standards						
1) Pentafluorobenzene	7.783	168	97198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	146770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	133670	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	62911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	48360	49.761	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.520%		
35) Dibromofluoromethane	7.710	113	47470	49.874	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.740%		
50) Toluene-d8	10.179	98	172510	48.989	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.980%		
62) 4-Bromofluorobenzene	12.477	95	55006	44.473	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	88.940%		
Target Compounds						Qvalue
5) Bromomethane	2.656	94	133	Below Cal		94
11) Tert butyl alcohol	4.905	59	352	9.294 ug/l #		74
16) Acetone	3.942	43	695	3.339 ug/l		91
18) Methyl Acetate	4.661	43	23	4.060 ug/l #		49
20) Methylene Chloride	4.710	84	6676	3.820 ug/l		92
25) 2-Butanone	6.972	43	1123	3.943 ug/l #		48
31) Cyclohexane	7.777	56	1704	1.241 ug/l #		39
36) 1,1-Dichloropropene	7.783	75	6131	4.624 ug/l #		51
37) Ethyl Acetate	6.972	43	1123	1.682 ug/l #		1
38) Carbon Tetrachloride	7.783	117	9005	5.522 ug/l #		15
59) 2-Hexanone	10.941	43	131	24.374 ug/l #		26
76) 1,2,3-Trichloropropane	12.483	75	29291	49.118 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.483	75	29291	111.003 ug/l #		12
95) Naphthalene	15.233	128	309	4.464 ug/l #		69

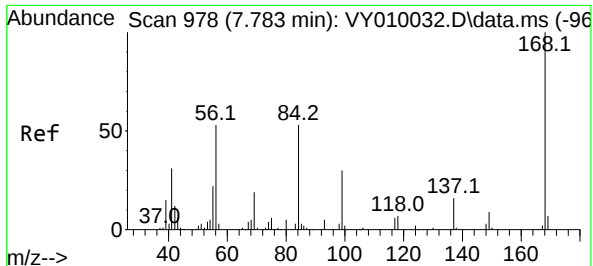
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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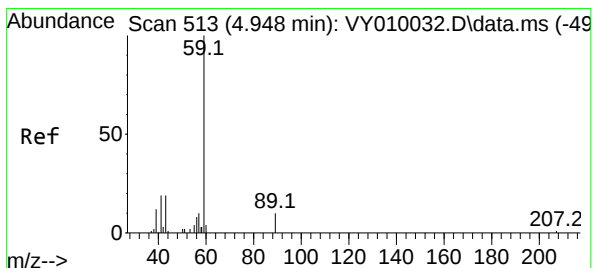
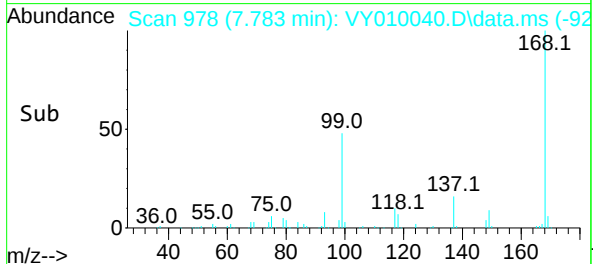
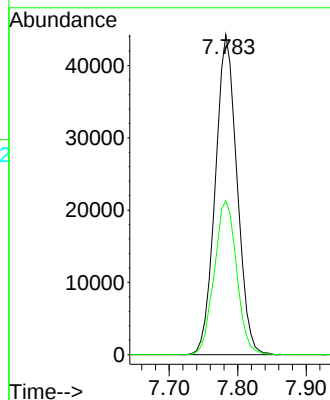
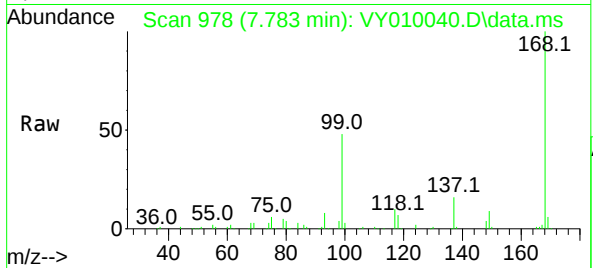




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010040.D
Acq: 16 Aug 2022 13:34

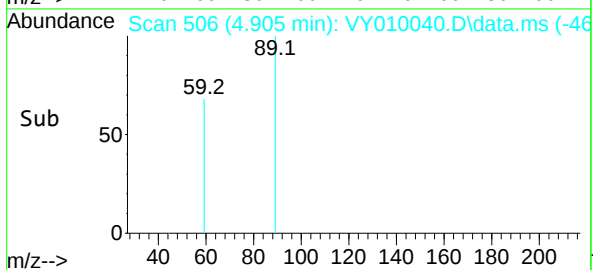
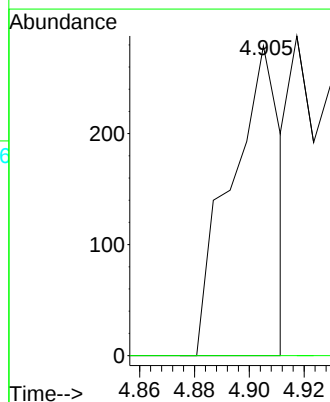
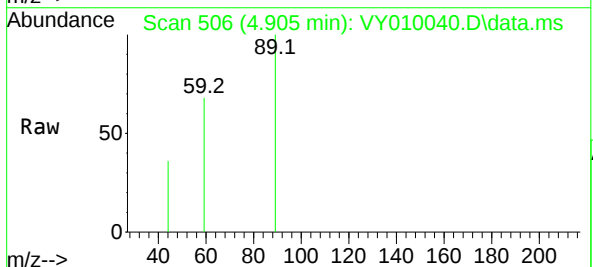
Instrument :
MSVOA_Y
ClientSampleId :
VY0816SBL01

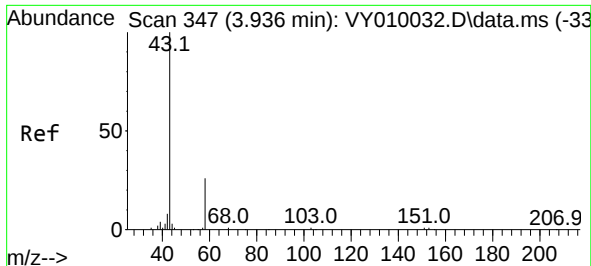
Tgt Ion:168 Resp: 97198
Ion Ratio Lower Upper
168 100
99 48.1 37.7 56.5



#11
Tert butyl alcohol
Concen: 9.294 ug/l
RT: 4.905 min Scan# 506
Delta R.T. -0.043 min
Lab File: VY010040.D
Acq: 16 Aug 2022 13:34

Tgt Ion: 59 Resp: 352
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

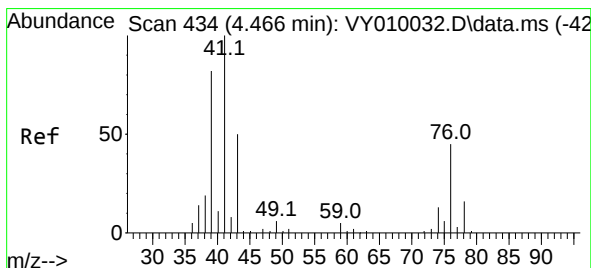
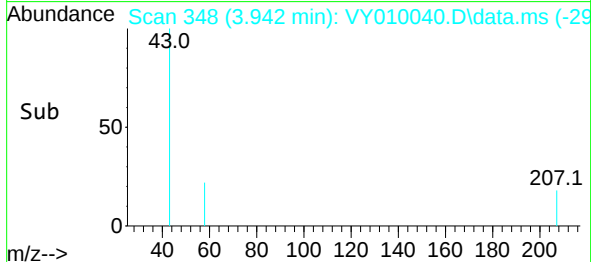
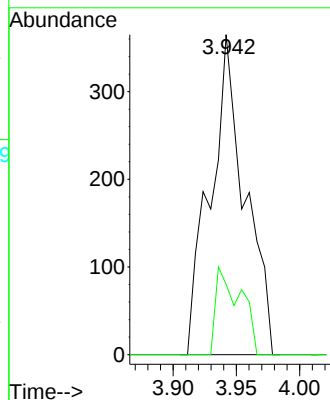
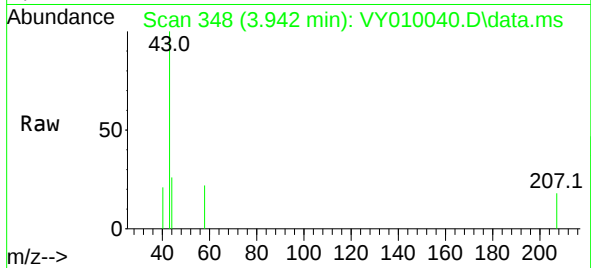




#16
Acetone
Concen: 3.339 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY010040.D
Acq: 16 Aug 2022 13:34

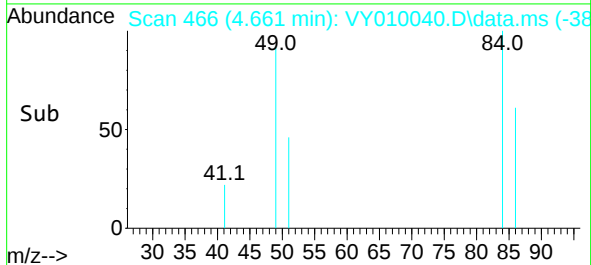
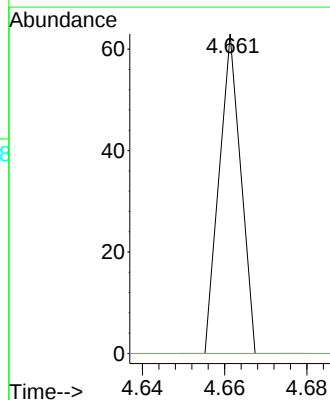
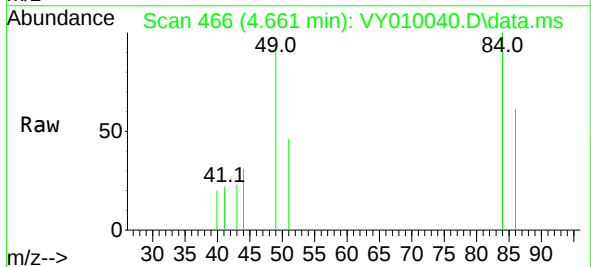
Instrument :
MSVOA_Y
ClientSampleId :
VY0816SBL01

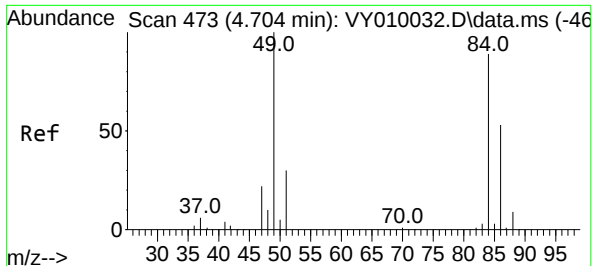
Tgt Ion: 43 Resp: 695
Ion Ratio Lower Upper
43 100
58 21.9 21.4 32.0



#18
Methyl Acetate
Concen: 4.060 ug/l
RT: 4.661 min Scan# 466
Delta R.T. 0.195 min
Lab File: VY010040.D
Acq: 16 Aug 2022 13:34

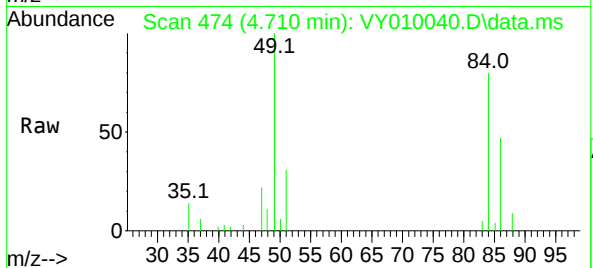
Tgt Ion: 43 Resp: 23
Ion Ratio Lower Upper
43 100
74 0.0 20.7 31.1#





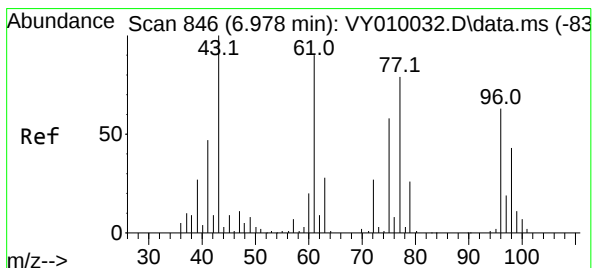
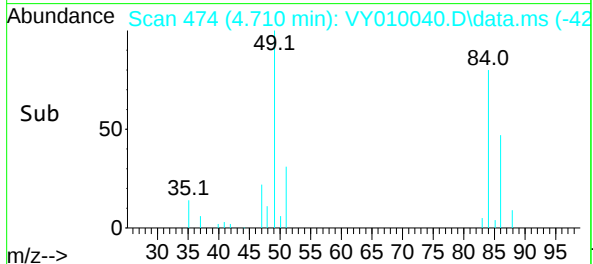
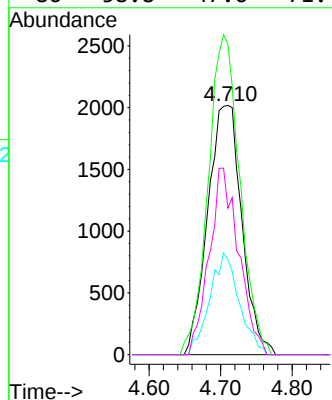
#20
Methylene Chloride
Concen: 3.820 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010040.D
Acq: 16 Aug 2022 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0816SBL01



Tgt Ion: 84 Resp: 6676

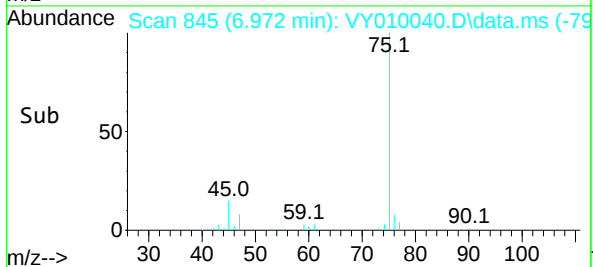
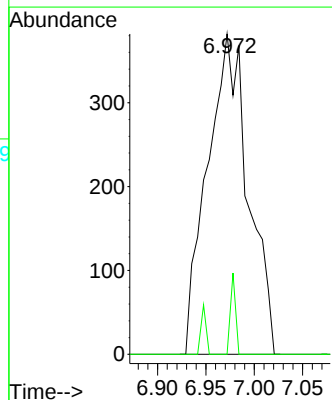
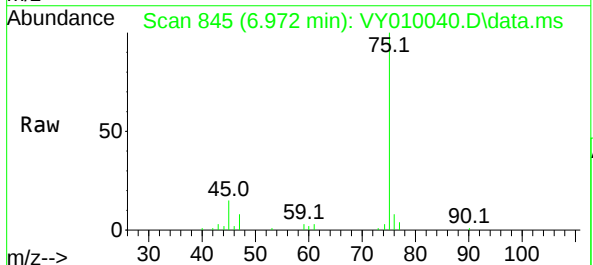
Ion	Ratio	Lower	Upper
84	100		
49	124.6	89.5	134.3
51	38.2	26.8	40.2
86	58.8	47.6	71.4

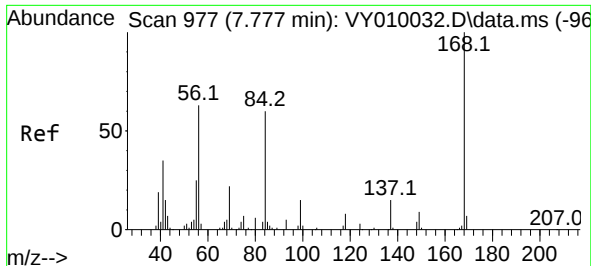


#25
2-Butanone
Concen: 3.943 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY010040.D
Acq: 16 Aug 2022 13:34

Tgt Ion: 43 Resp: 1123

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.7	32.5#

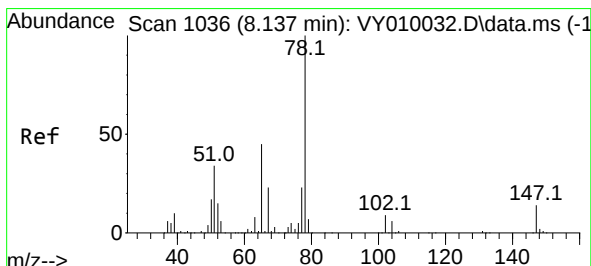
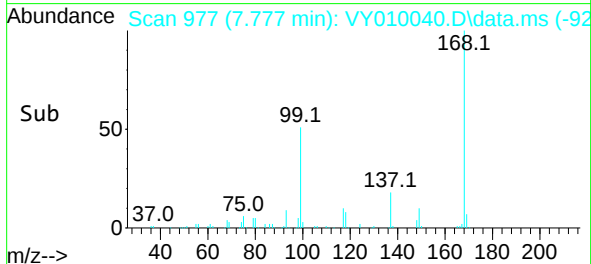
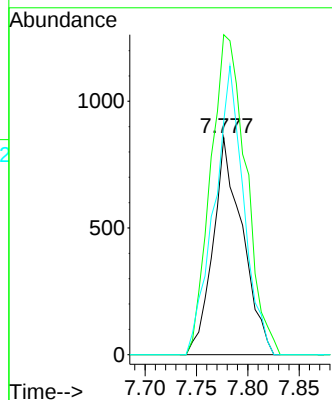
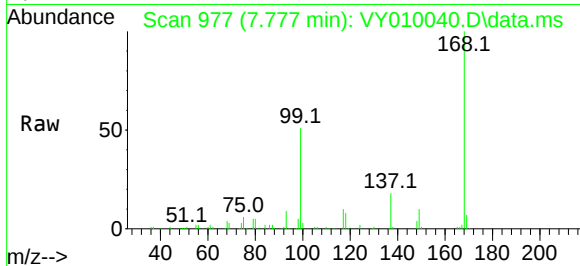




#31
Cyclohexane
Concen: 1.241 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010040.D
Acq: 16 Aug 2022 13:34

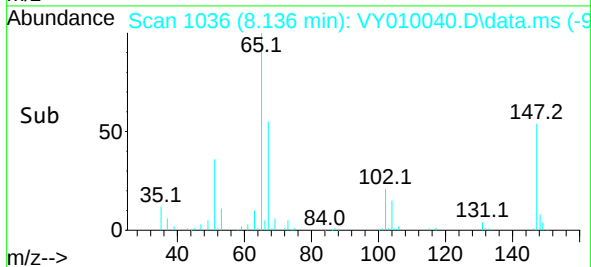
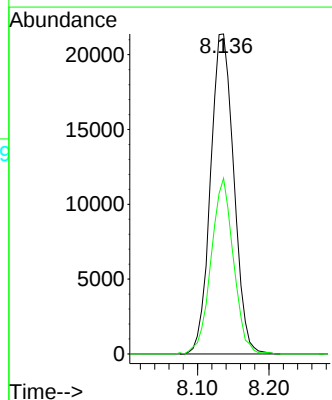
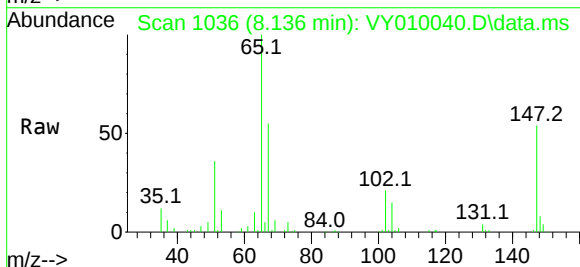
Instrument :
MSVOA_Y
ClientSampleId :
VY0816SBL01

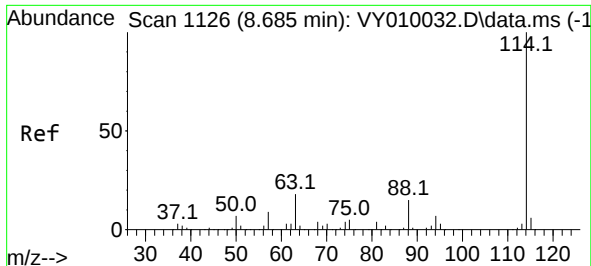
Tgt Ion: 56 Resp: 1704
Ion Ratio Lower Upper
56 100
69 147.5 28.6 43.0#
84 107.5 76.0 114.0



#33
1,2-Dichloroethane-d4
Concen: 49.761 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010040.D
Acq: 16 Aug 2022 13:34

Tgt Ion: 65 Resp: 48360
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY010040.D

Acq: 16 Aug 2022 13:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0816SBL01

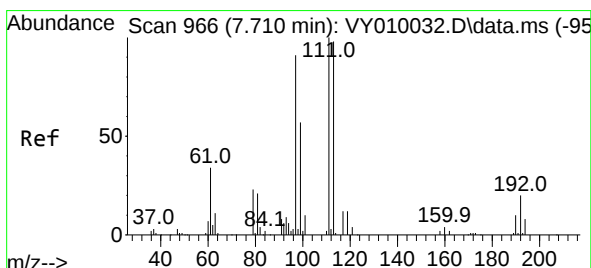
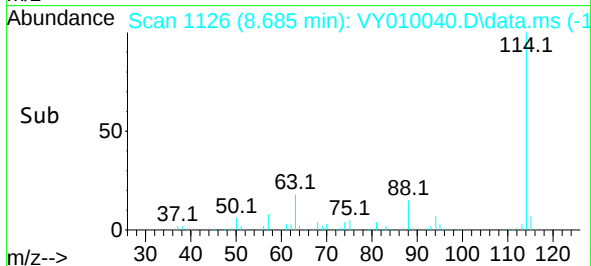
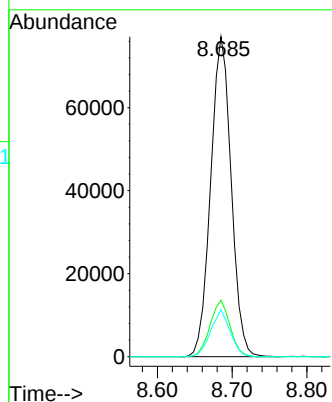
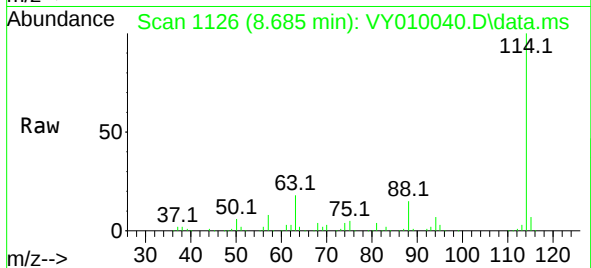
Tgt Ion:114 Resp: 146770

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.2

88 14.7 0.0 30.2



#35

Dibromofluoromethane

Concen: 49.874 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010040.D

Acq: 16 Aug 2022 13:34

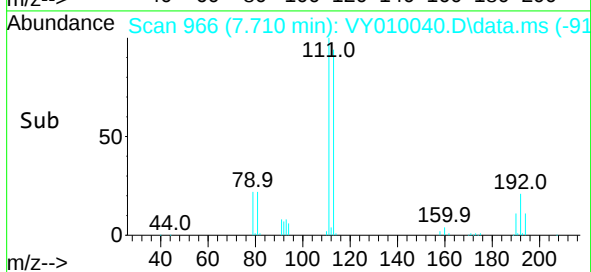
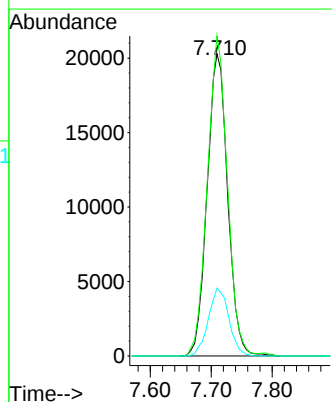
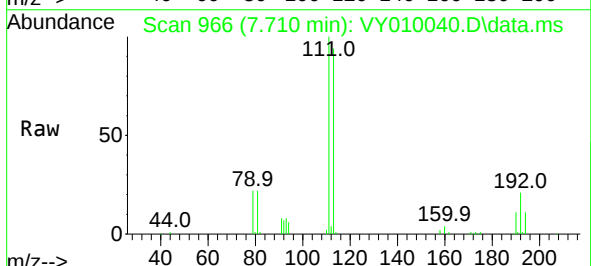
Tgt Ion:113 Resp: 47470

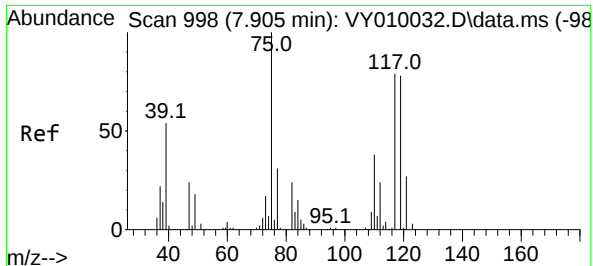
Ion Ratio Lower Upper

113 100

111 103.5 82.7 124.1

192 22.5 17.2 25.8

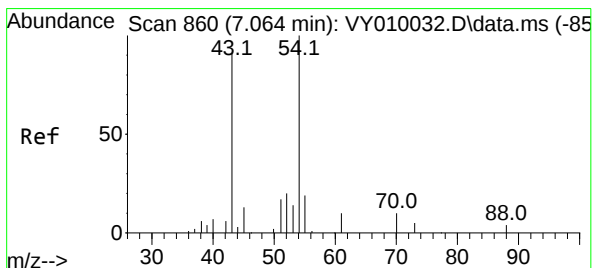
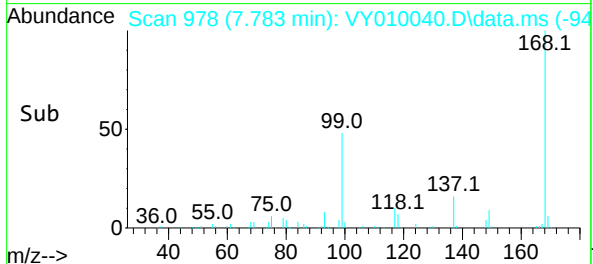
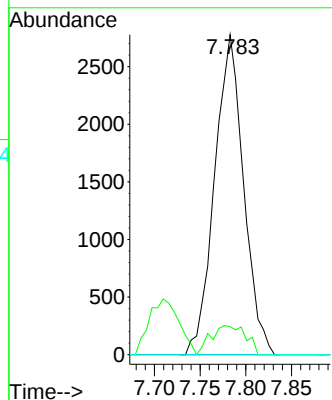
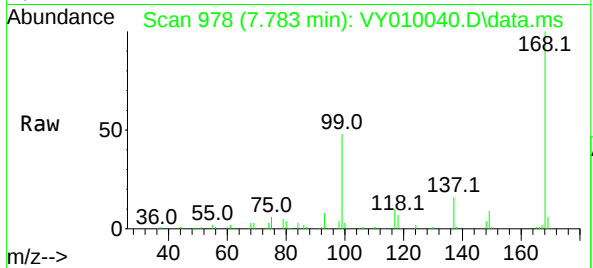




#36
1,1-Dichloropropene
Concen: 4.624 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY010040.D
Acq: 16 Aug 2022 13:34

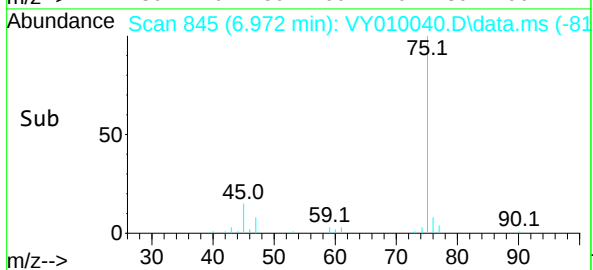
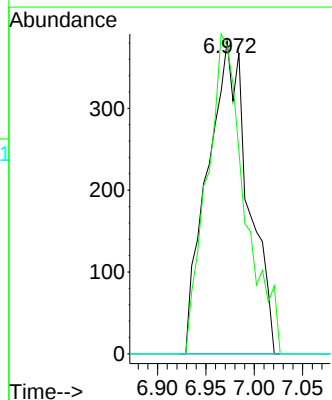
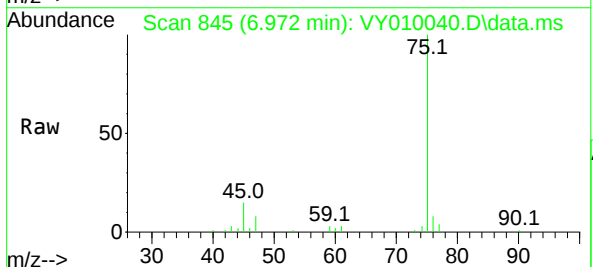
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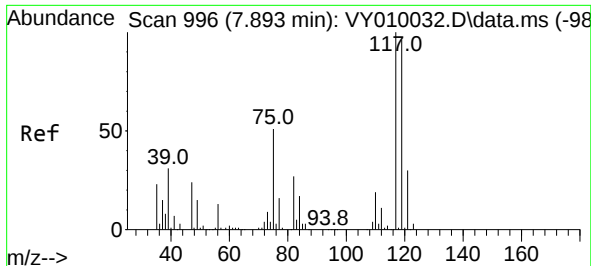
Tgt Ion: 75 Resp: 6131
Ion Ratio Lower Upper
75 100
110 10.9 18.4 55.4#
77 0.0 24.6 36.8#



#37
Ethyl Acetate
Concen: 1.682 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.092 min
Lab File: VY010040.D
Acq: 16 Aug 2022 13:34

Tgt Ion: 43 Resp: 1123
Ion Ratio Lower Upper
43 100
61 94.5 9.6 14.4#
70 0.0 7.9 11.9#

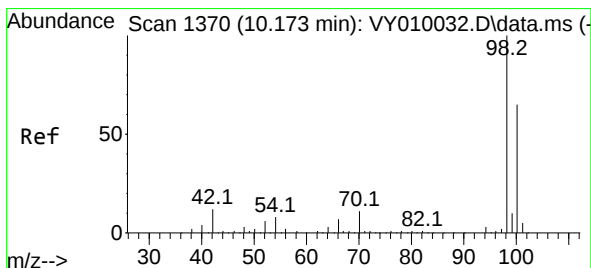
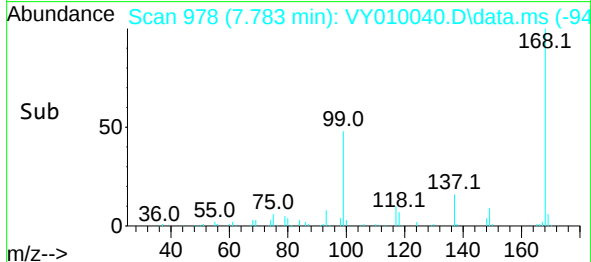
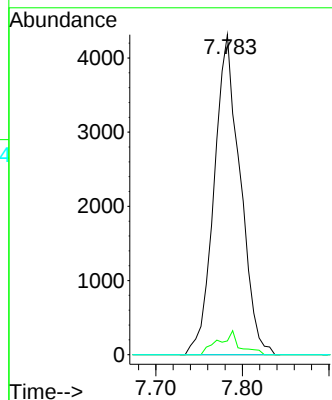
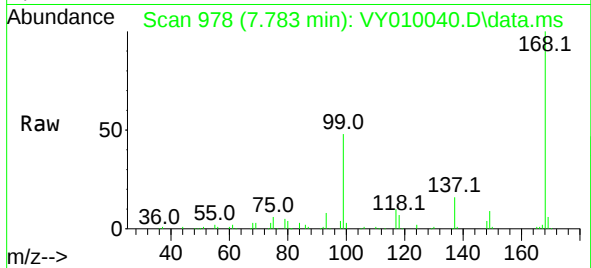




#38
Carbon Tetrachloride
Concen: 5.522 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010040.D
Acq: 16 Aug 2022 13:34

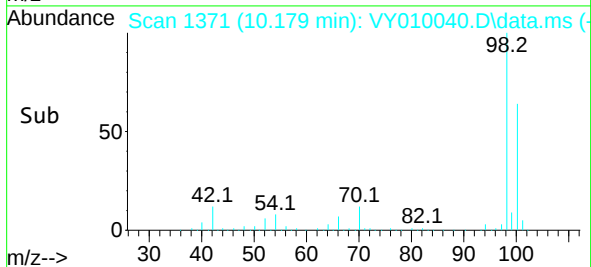
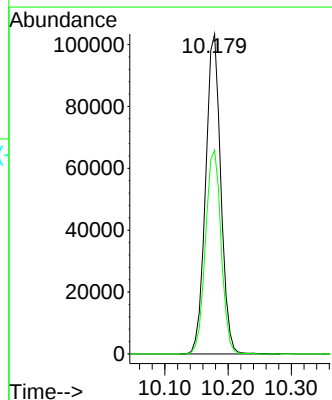
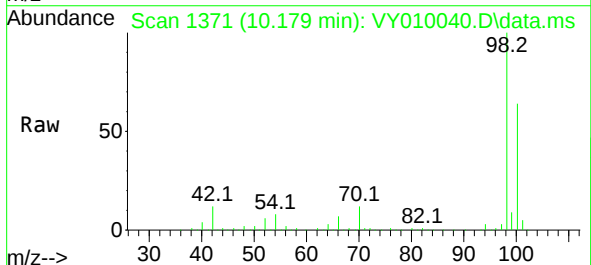
Instrument :
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ClientSampleId :
VY0816SBL01

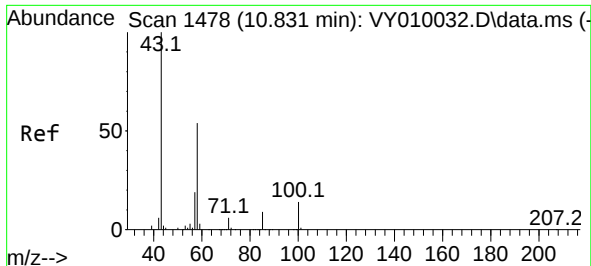
Tgt Ion:117 Resp: 9005
Ion Ratio Lower Upper
117 100
119 4.3 77.0 115.6#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 48.989 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010040.D
Acq: 16 Aug 2022 13:34

Tgt Ion: 98 Resp: 172510
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1

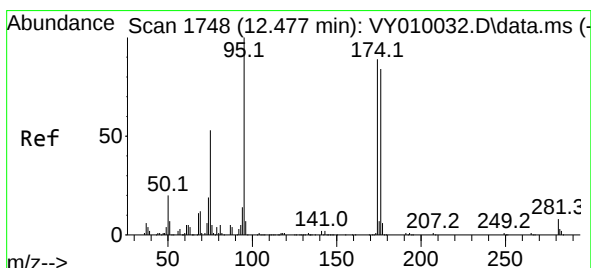
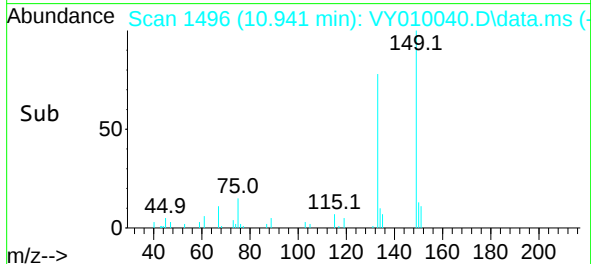
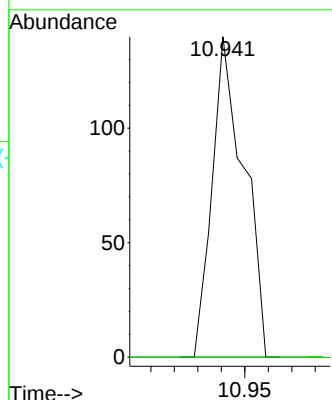
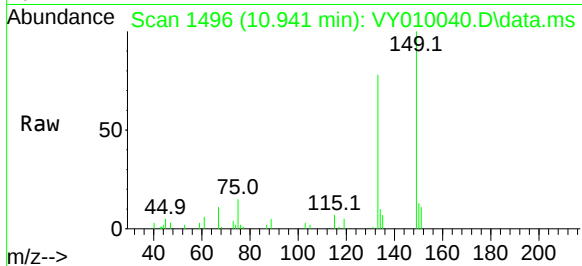




#59
2-Hexanone
Concen: 24.374 ug/l
RT: 10.941 min Scan# 1478
Delta R.T. 0.110 min
Lab File: VY010040.D
Acq: 16 Aug 2022 13:34

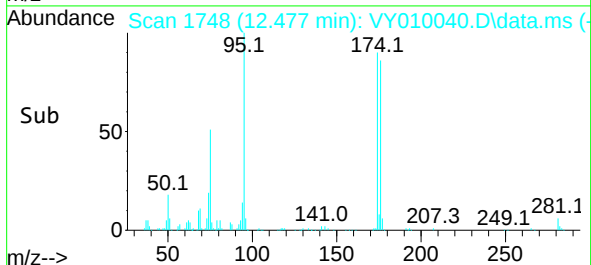
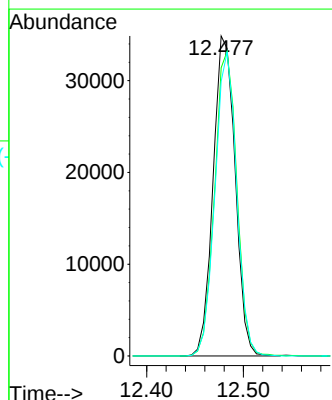
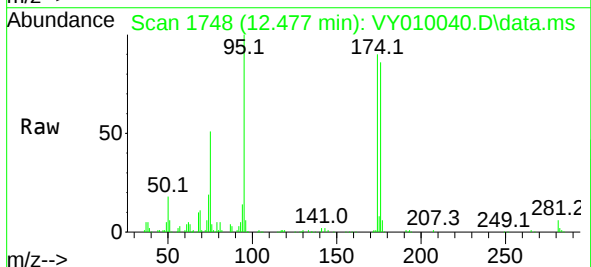
Instrument :
MSVOA_Y
ClientSampleId :
VY0816SBL01

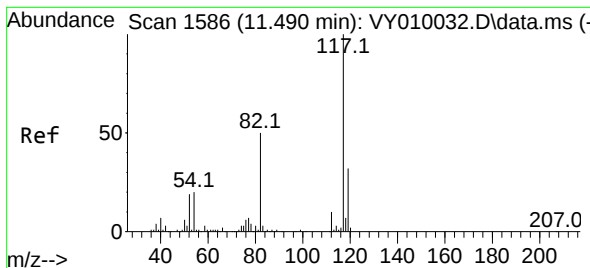
Tgt Ion: 43 Resp: 131
Ion Ratio Lower Upper
43 100
58 0.0 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 44.473 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY010040.D
Acq: 16 Aug 2022 13:34

Tgt Ion: 95 Resp: 55006
Ion Ratio Lower Upper
95 100
174 95.9 0.0 184.2
176 93.3 0.0 178.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY010040.D

Acq: 16 Aug 2022 13:34

Instrument :

MSVOA_Y

ClientSampleId :

VY0816SBL01

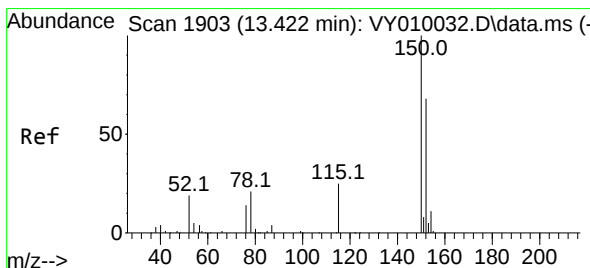
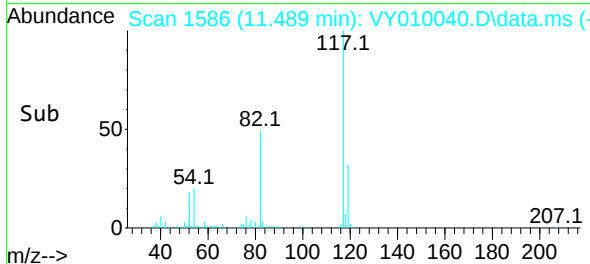
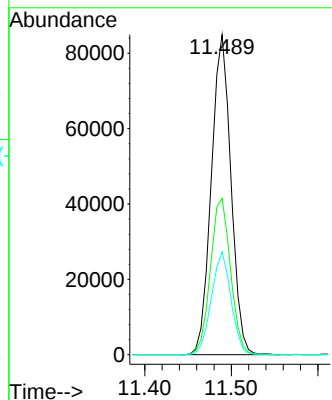
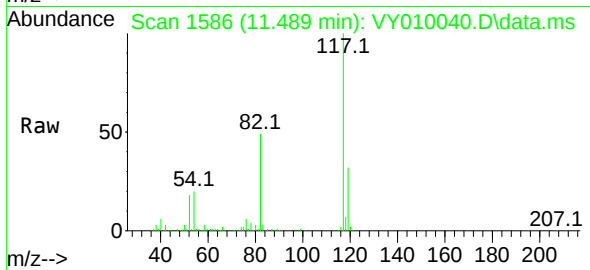
Tgt Ion:117 Resp: 133670

Ion Ratio Lower Upper

117 100

82 48.9 39.8 59.6

119 32.2 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY010040.D

Acq: 16 Aug 2022 13:34

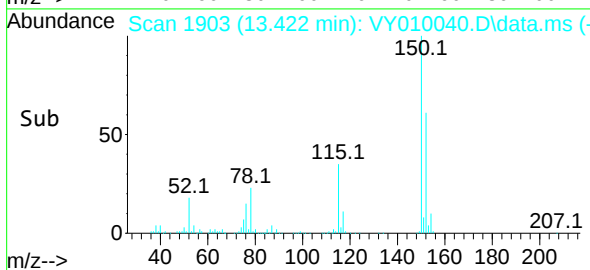
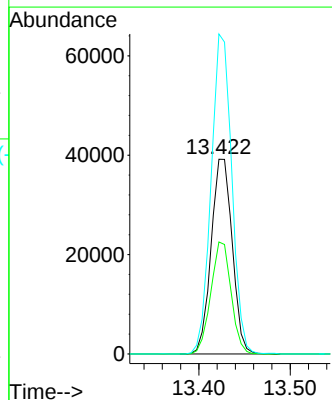
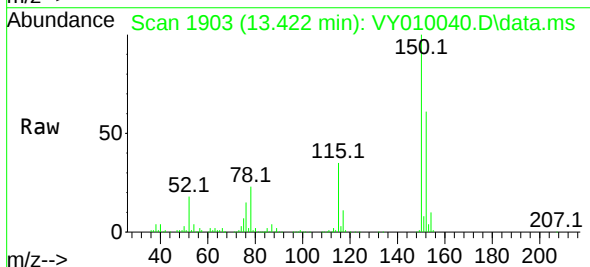
Tgt Ion:152 Resp: 62911

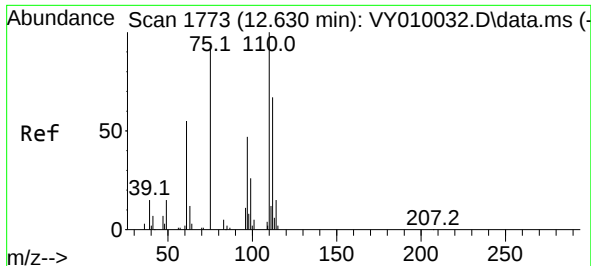
Ion Ratio Lower Upper

152 100

115 55.2 28.1 84.3

150 160.5 0.0 346.6

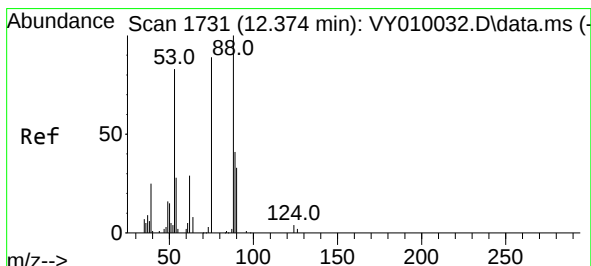
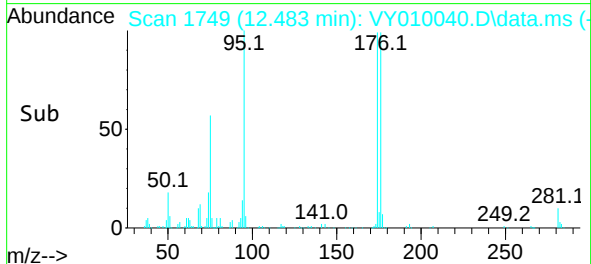
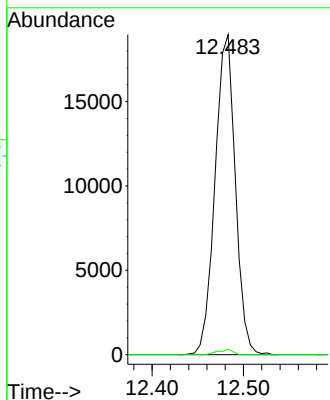
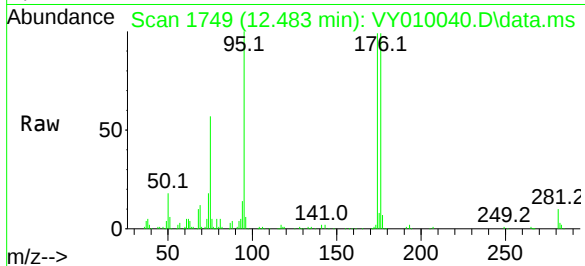




#76
1,2,3-Trichloropropane
Concen: 49.118 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY010040.D
Acq: 16 Aug 2022 13:34

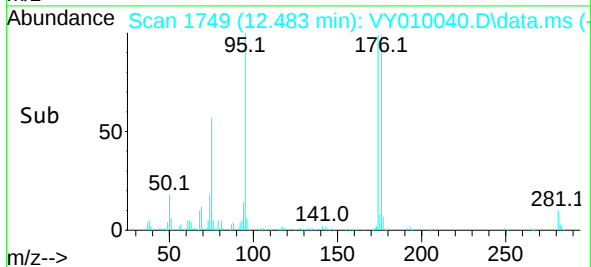
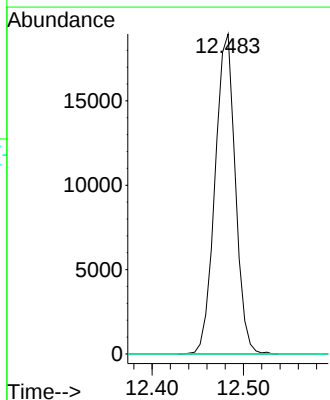
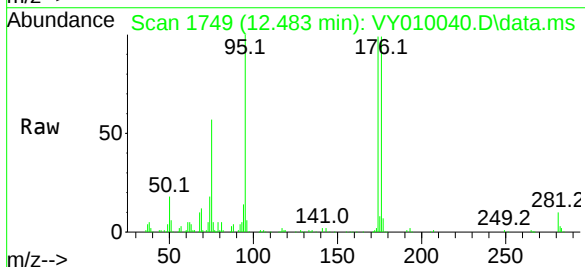
Instrument :
MSVOA_Y
ClientSampleId :
VY0816SBL01

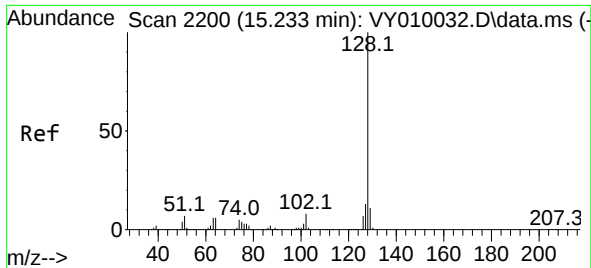
Tgt Ion: 75 Resp: 29291
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.003 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY010040.D
Acq: 16 Aug 2022 13:34

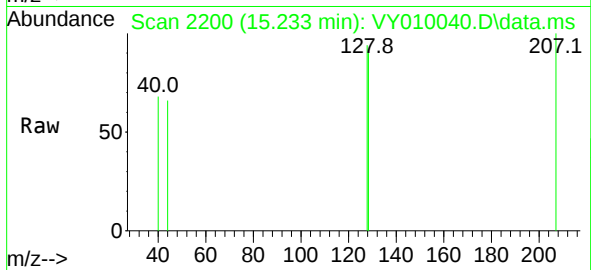
Tgt Ion: 75 Resp: 29291
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 37.8 56.6#





#95
Naphthalene
Concen: 4.464 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY010040.D
Acq: 16 Aug 2022 13:34

Instrument :
MSVOA_Y
ClientSampleId :
VY0816SBL01



Tgt Ion:	128	Resp:	309
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.6	13.0#

