

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071224\
 Data File : VY018791.D
 Acq On : 12 Jul 2024 12:37
 Operator : SY/MD
 Sample : P3223-02
 Misc : 7.67g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 12 23:36:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 14:28:51 2024
 Response via : Initial Calibration

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

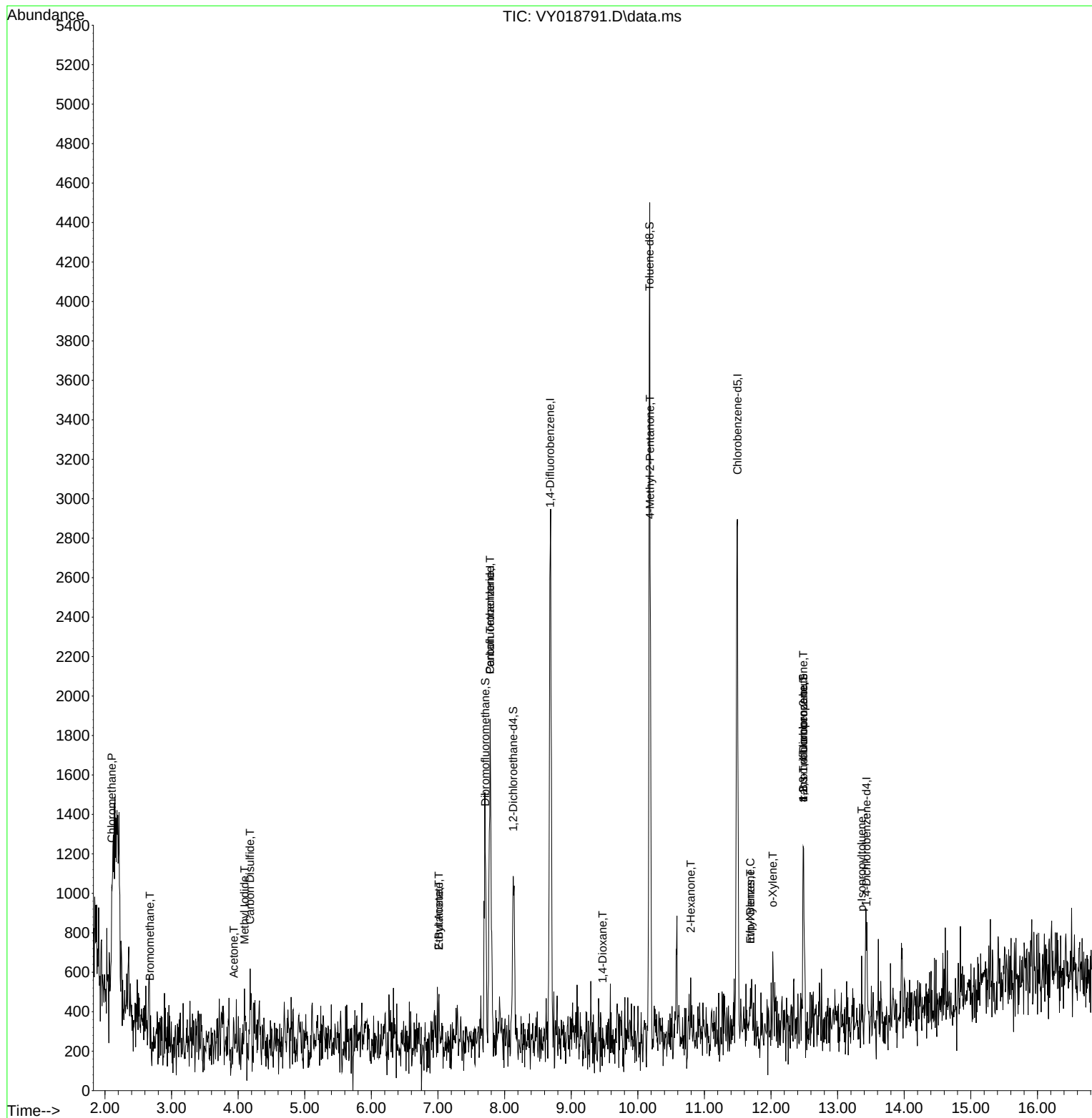
Internal Standards						
1) Pentafluorobenzene	7.783	168	1724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	2754	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	1669	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	338	50.000	ug/l	# 0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	950	55.999	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.000%	
35) Dibromofluoromethane	7.710	113	751	43.539	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 87.080%	
50) Toluene-d8	10.179	98	2502	38.287	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 76.580%	
62) 4-Bromofluorobenzene	12.483	95	465	20.836	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 41.680%	
Target Compounds						Qvalue
3) Chloromethane	2.101	50	81	3.690	ug/l #	43
5) Bromomethane	2.674	94	99	5.605	ug/l #	3
10) Methyl Iodide	4.095	142	114	6.149	ug/l #	42
16) Acetone	3.936	43	92	29.415	ug/l #	36
17) Carbon Disulfide	4.180	76	324	6.947	ug/l #	76
20) Methylene Chloride	4.716	84	19	Below Cal	#	12
25) 2-Butanone	7.015	43	58	13.230	ug/l #	41
37) Ethyl Acetate	7.015	43	58	5.862	ug/l #	67
38) Carbon Tetrachloride	7.783	117	95	3.314	ug/l #	13
49) 1,4-Dioxane	9.472	88	25	218.809	ug/l #	20
51) 4-Methyl-2-Pentanone	10.185	43	50	4.974	ug/l #	31
59) 2-Hexanone	10.795	43	22	3.128	ug/l #	19
67) Ethyl Benzene	11.691	91	210	3.405	ug/l #	73
68) m/p-Xylenes	11.691	106	26	1.074	ug/l #	1
69) o-Xylene	12.026	106	32	1.406	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	160	60.439	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	160	135.267	ug/l #	16
86) p-Isopropyltoluene	13.361	119	23	1.004	ug/l #	1

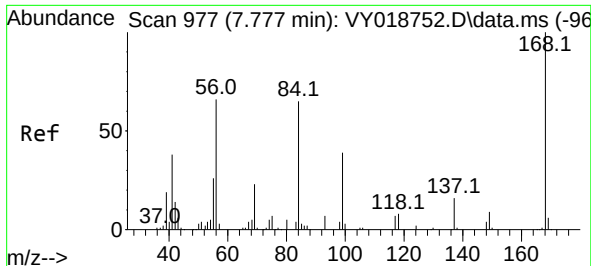
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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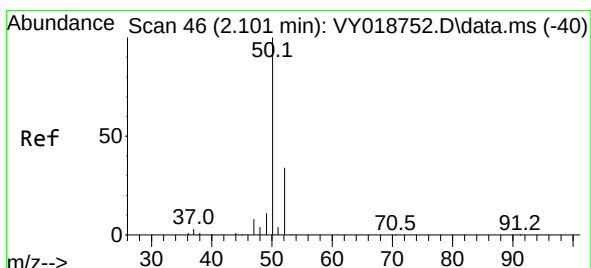
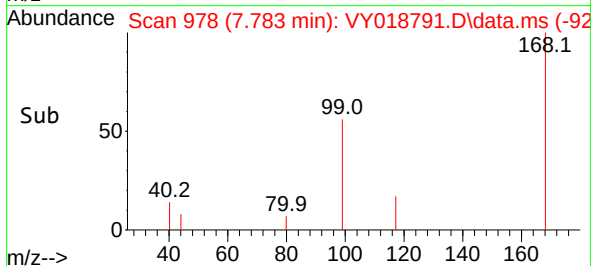
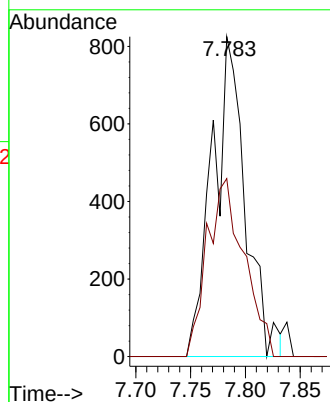
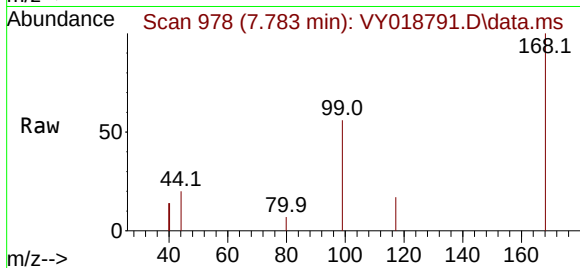




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018791.D
Acq: 12 Jul 2024 12:37

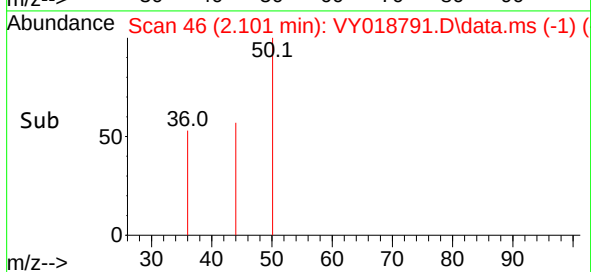
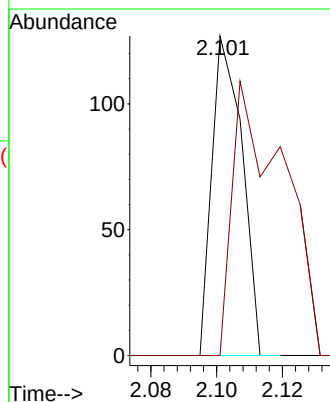
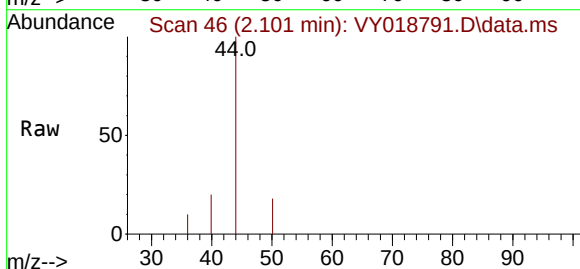
Instrument :
MSVOA_Y
ClientSampleId :

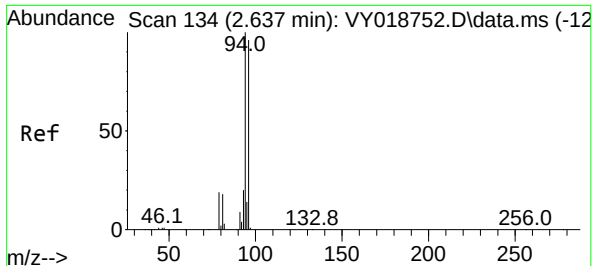
Tgt Ion:168 Resp: 1724
Ion Ratio Lower Upper
168 100
99 55.6 39.1 58.7



#3
Chloromethane
Concen: 3.690 ug/l
RT: 2.101 min Scan# 46
Delta R.T. 0.000 min
Lab File: VY018791.D
Acq: 12 Jul 2024 12:37

Tgt Ion: 50 Resp: 81
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

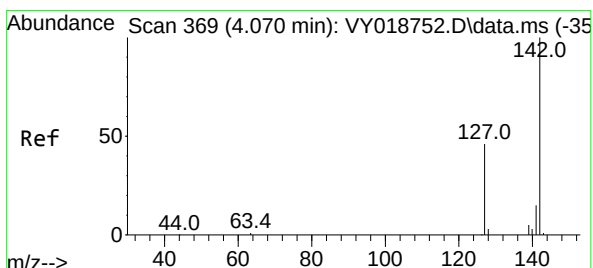
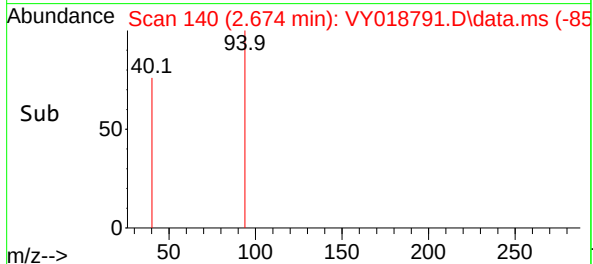
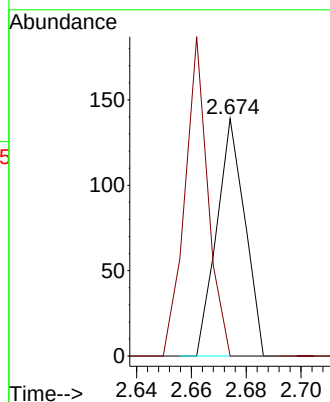
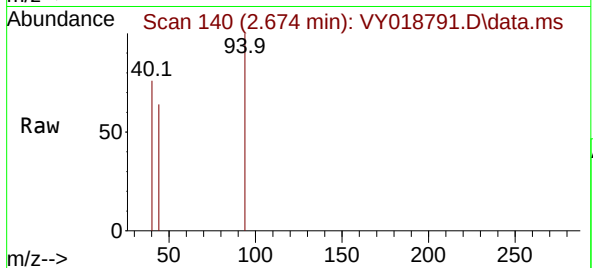




#5
Bromomethane
Concen: 5.605 ug/l
RT: 2.674 min Scan# 14
Delta R.T. 0.037 min
Lab File: VY018791.D
Acq: 12 Jul 2024 12:37

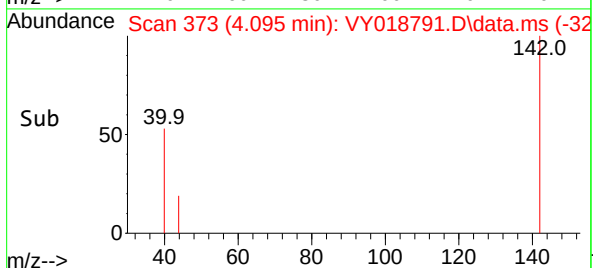
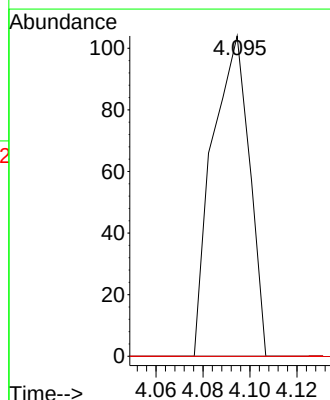
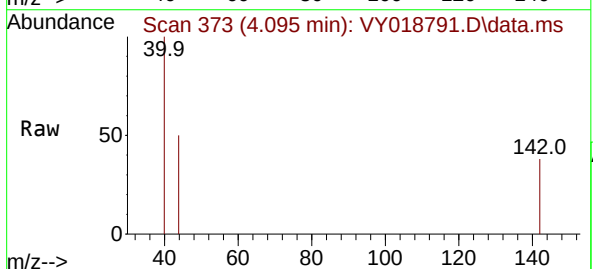
Instrument :
MSVOA_Y
ClientSampleId :

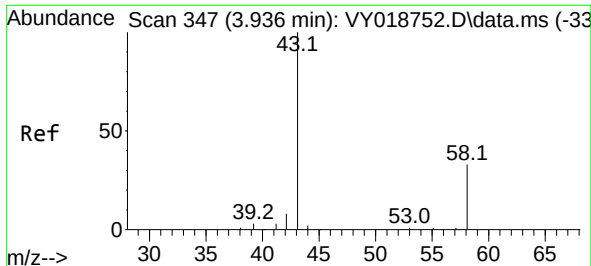
Tgt Ion: 94 Resp: 99
Ion Ratio Lower Upper
94 100
96 0.0 74.1 111.1#



#10
Methyl Iodide
Concen: 6.149 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.024 min
Lab File: VY018791.D
Acq: 12 Jul 2024 12:37

Tgt Ion:142 Resp: 114
Ion Ratio Lower Upper
142 100
127 0.0 32.8 49.2#
141 0.0 11.4 17.2#





#16

Acetone

Concen: 29.415 ug/l

RT: 3.936 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY018791.D

Acq: 12 Jul 2024 12:37

Instrument :

MSVOA_Y

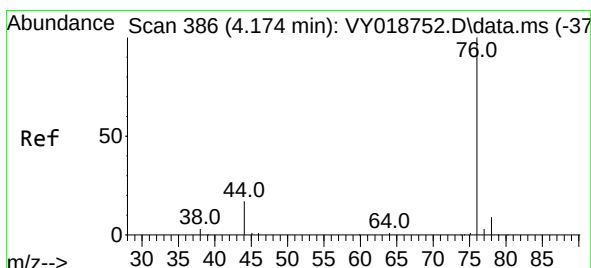
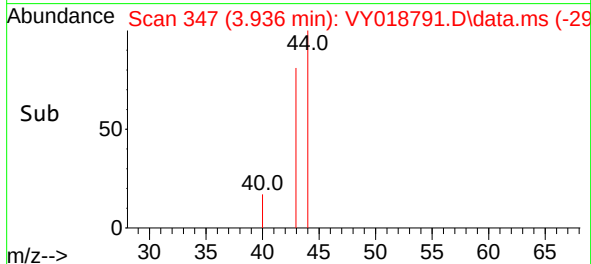
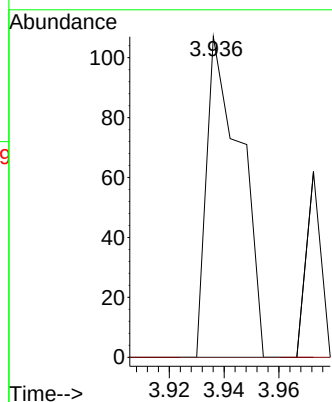
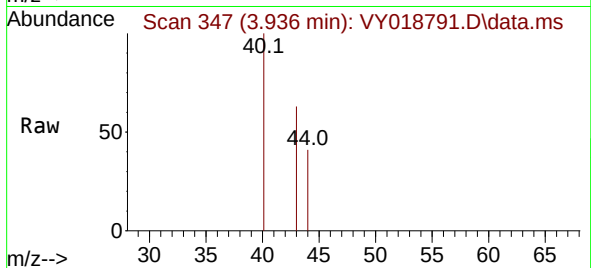
ClientSampleId :

Tgt Ion: 43 Resp: 92

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#17

Carbon Disulfide

Concen: 6.947 ug/l

RT: 4.180 min Scan# 387

Delta R.T. 0.006 min

Lab File: VY018791.D

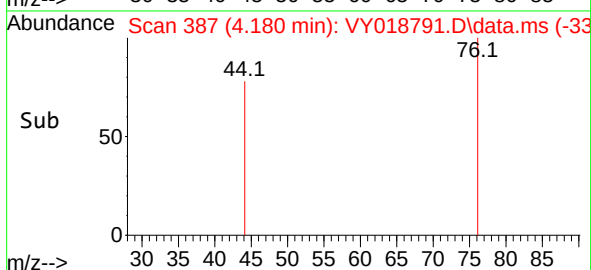
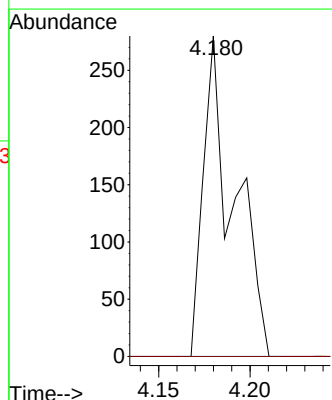
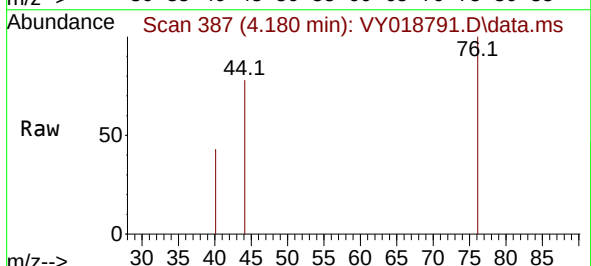
Acq: 12 Jul 2024 12:37

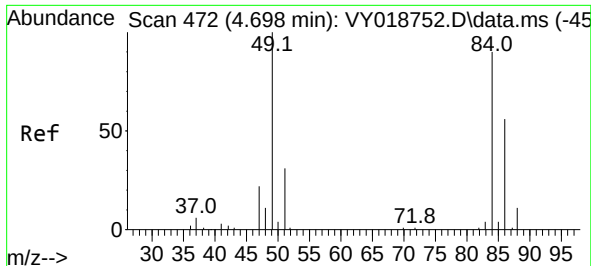
Tgt Ion: 76 Resp: 324

Ion Ratio Lower Upper

76 100

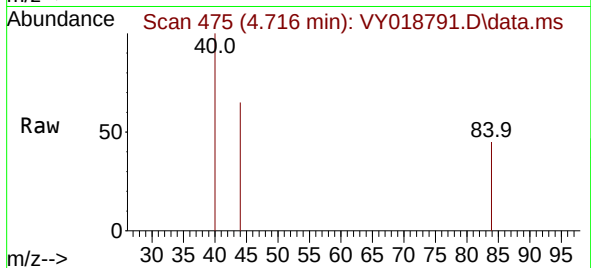
78 0.0 6.8 10.2#





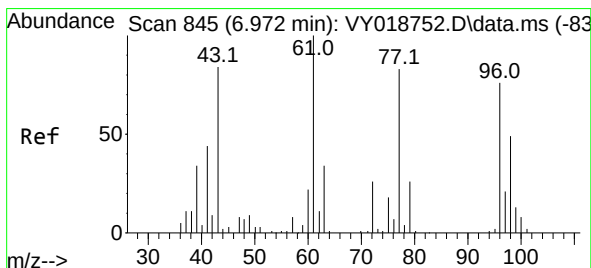
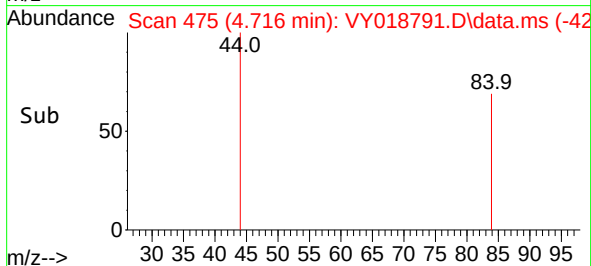
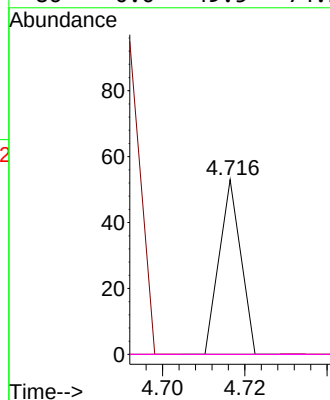
#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY018791.D
Acq: 12 Jul 2024 12:37

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 19

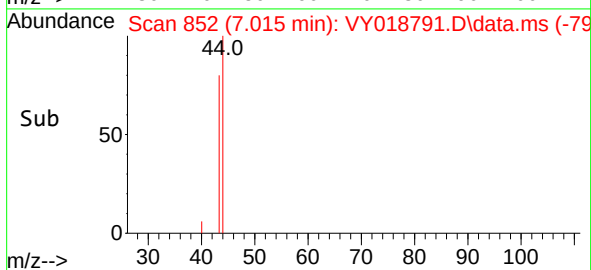
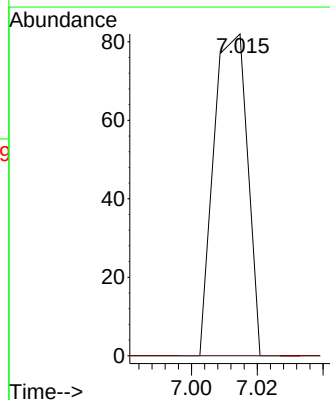
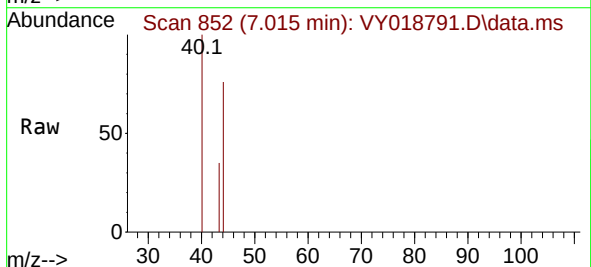
Ion	Ratio	Lower	Upper
84	100		
49	0.0	84.4	126.6#
51	0.0	26.0	39.0#
86	0.0	49.5	74.3#

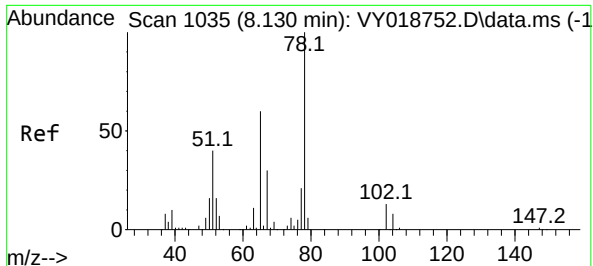


#25
2-Butanone
Concen: 13.230 ug/l
RT: 7.015 min Scan# 852
Delta R.T. 0.043 min
Lab File: VY018791.D
Acq: 12 Jul 2024 12:37

Tgt Ion: 43 Resp: 58

Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#





#33

1,2-Dichloroethane-d4

Concen: 55.999 ug/l

RT: 8.130 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VY018791.D

Acq: 12 Jul 2024 12:37

Instrument :

MSVOA_Y

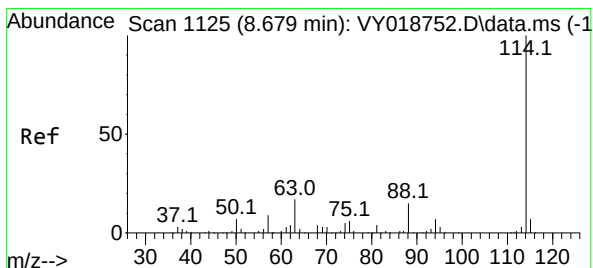
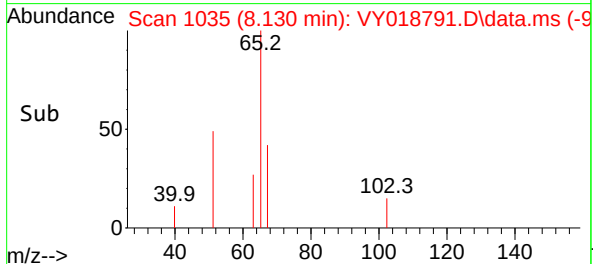
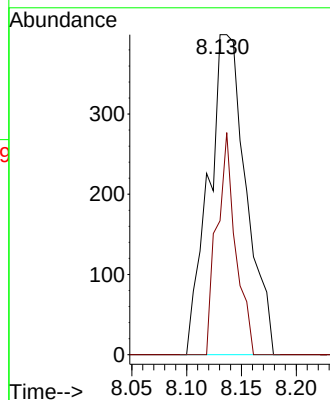
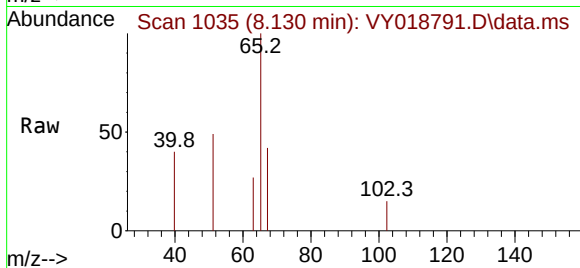
ClientSampleId :

Tgt Ion: 65 Resp: 950

Ion Ratio Lower Upper

65 100

67 34.6 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY018791.D

Acq: 12 Jul 2024 12:37

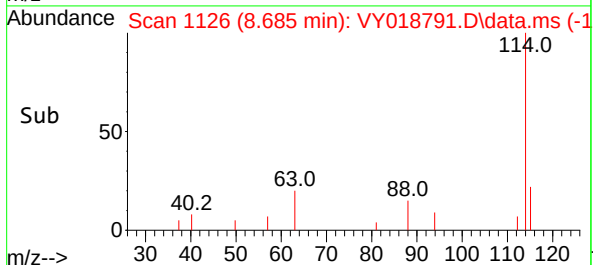
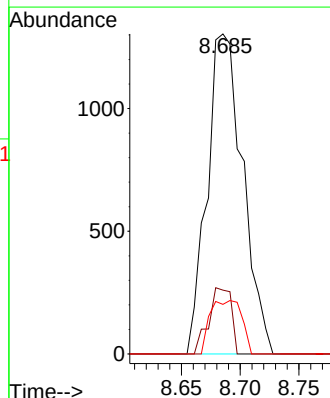
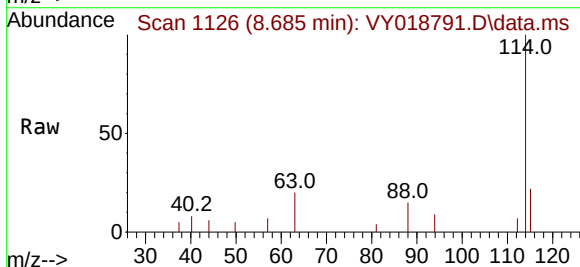
Tgt Ion: 114 Resp: 2754

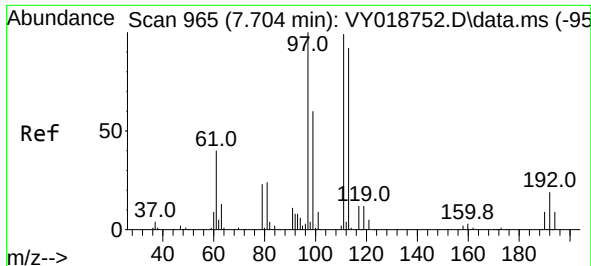
Ion Ratio Lower Upper

114 100

63 19.9 0.0 35.0

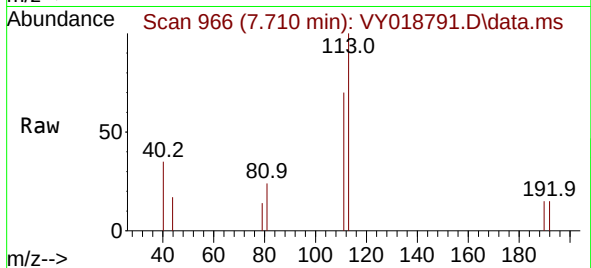
88 15.5 0.0 27.2



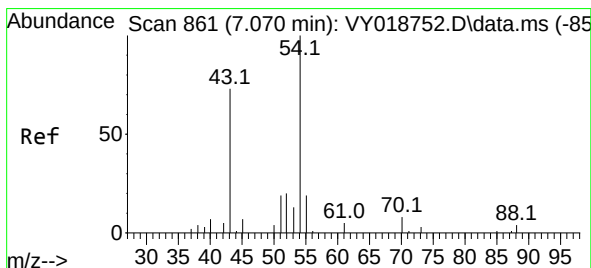
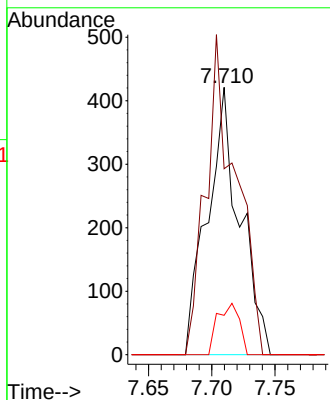
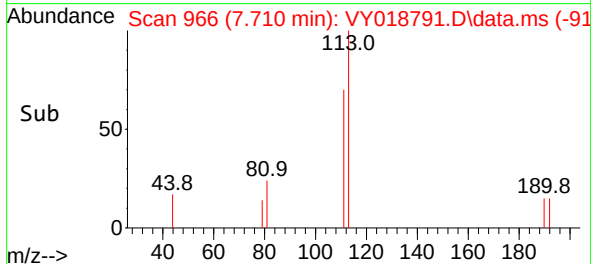


#35
 Dibromofluoromethane
 Concen: 43.539 ug/l
 RT: 7.710 min Scan# 90
 Delta R.T. 0.006 min
 Lab File: VY018791.D
 Acq: 12 Jul 2024 12:37

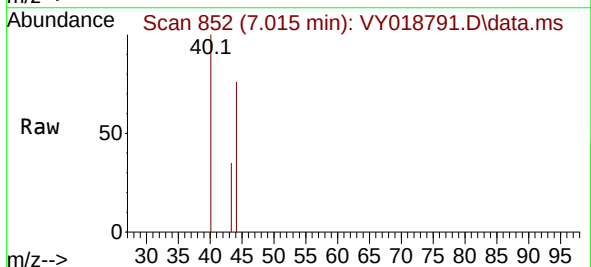
Instrument :
 MSVOA_Y
 ClientSampleId :



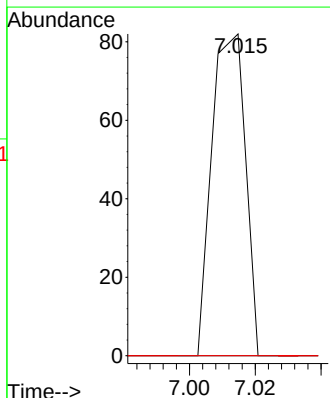
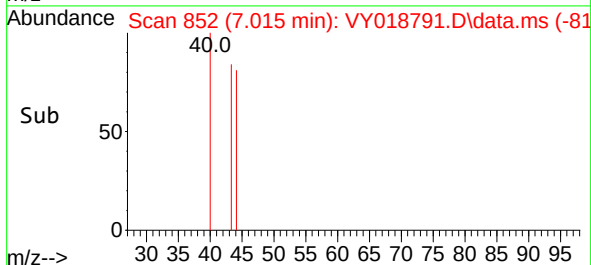
Tgt Ion:	113	Resp:	751
Ion	Ratio	Lower	Upper
113	100		
111	110.7	82.2	123.4
192	12.9	15.9	23.9#

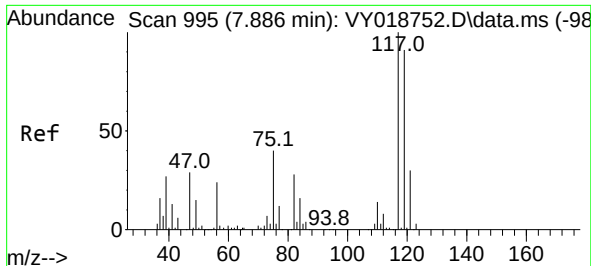


#37
 Ethyl Acetate
 Concen: 5.862 ug/l
 RT: 7.015 min Scan# 852
 Delta R.T. -0.055 min
 Lab File: VY018791.D
 Acq: 12 Jul 2024 12:37



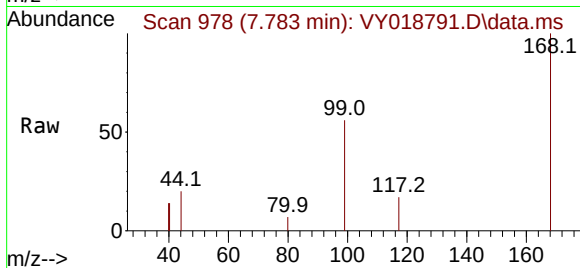
Tgt Ion:	43	Resp:	58
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.6	19.0#
70	0.0	7.8	11.8#



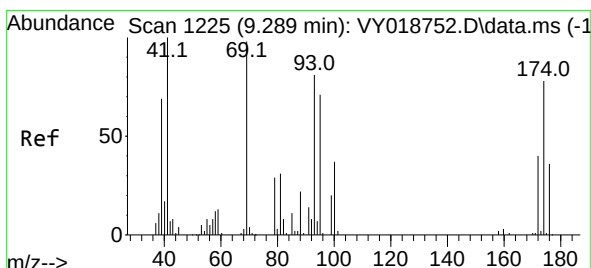
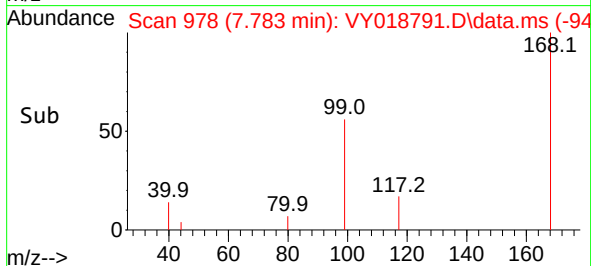
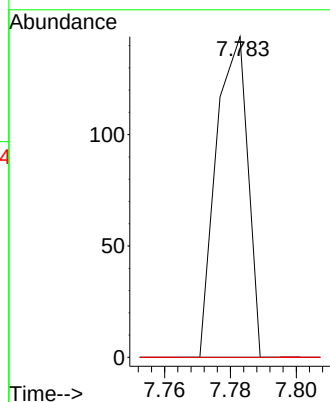


#38
Carbon Tetrachloride
Concen: 3.314 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY018791.D
Acq: 12 Jul 2024 12:37

Instrument :
MSVOA_Y
ClientSampleId :

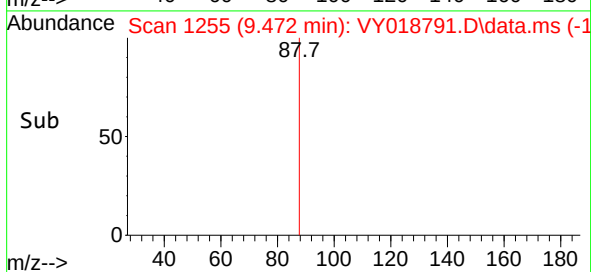
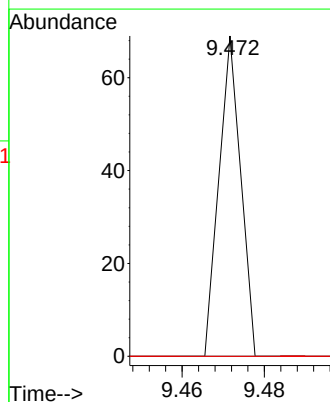
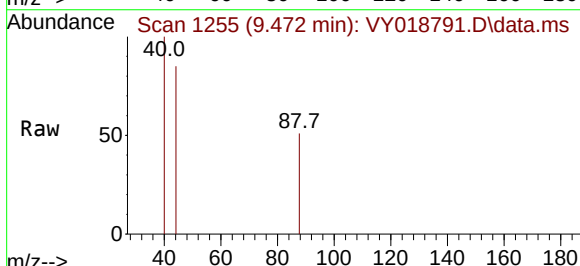


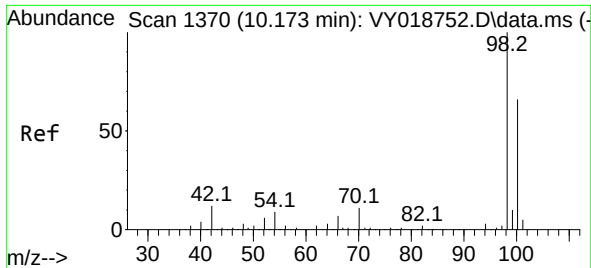
Tgt Ion:117 Resp: 95
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 218.809 ug/l
RT: 9.472 min Scan# 1255
Delta R.T. 0.183 min
Lab File: VY018791.D
Acq: 12 Jul 2024 12:37

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 49.3 73.9#

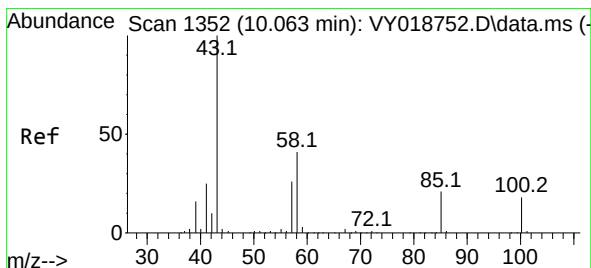
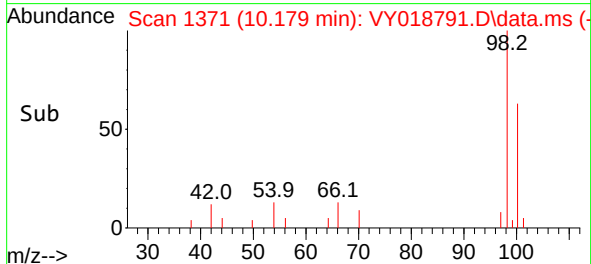
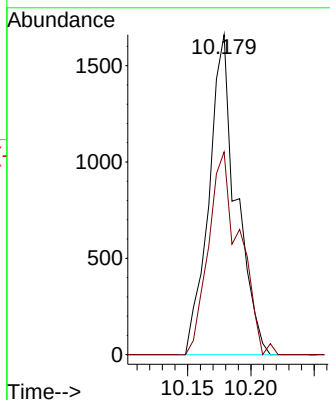
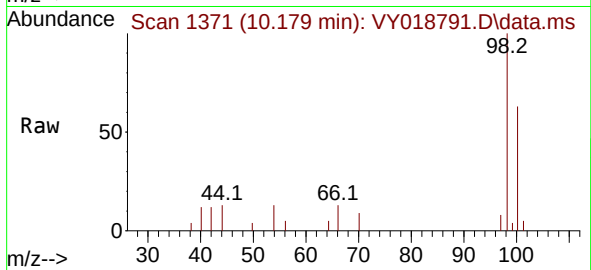




#50
Toluene-d8
Concen: 38.287 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY018791.D
Acq: 12 Jul 2024 12:37

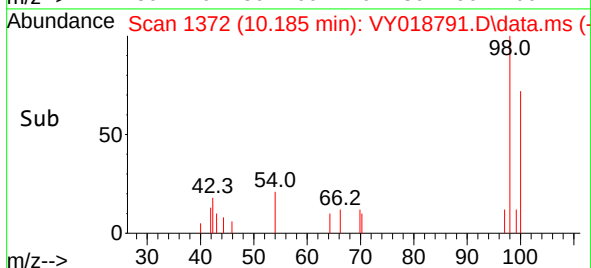
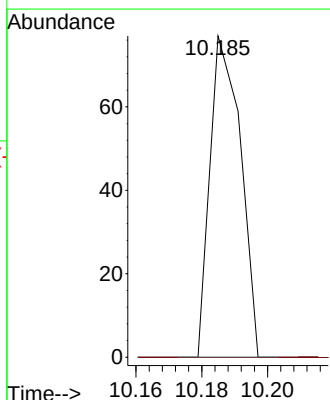
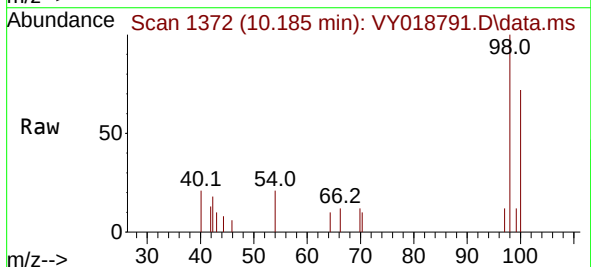
Instrument :
MSVOA_Y
ClientSampleId :

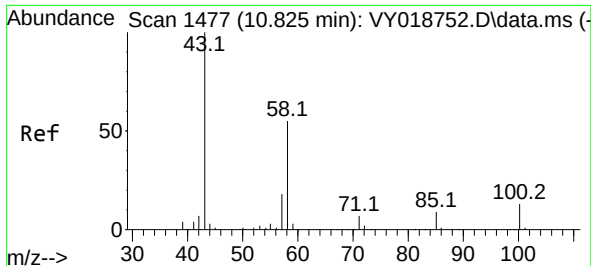
Tgt Ion: 98 Resp: 2502
Ion Ratio Lower Upper
98 100
100 72.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.974 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.122 min
Lab File: VY018791.D
Acq: 12 Jul 2024 12:37

Tgt Ion: 43 Resp: 50
Ion Ratio Lower Upper
43 100
58 0.0 35.7 53.5#

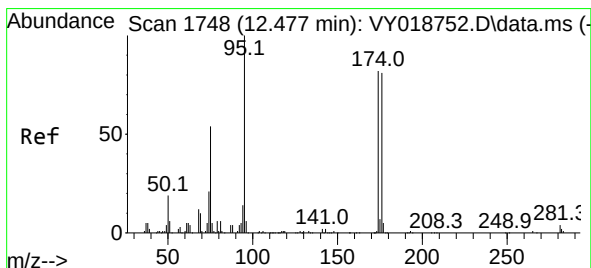
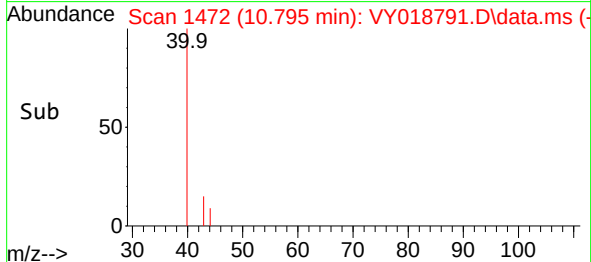
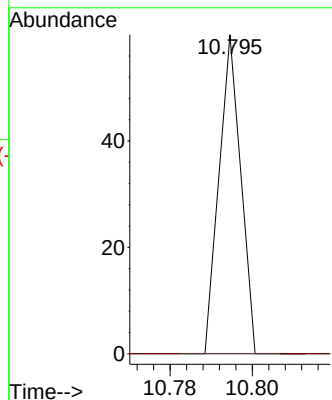
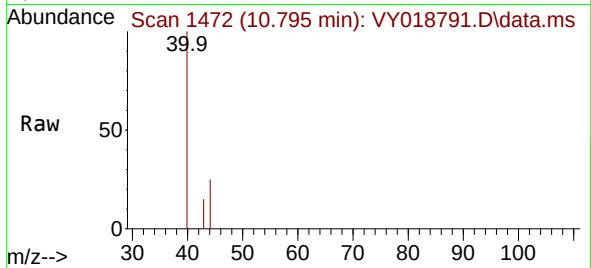




#59
2-Hexanone
Concen: 3.128 ug/l
RT: 10.795 min Scan# 1477
Delta R.T. -0.030 min
Lab File: VY018791.D
Acq: 12 Jul 2024 12:37

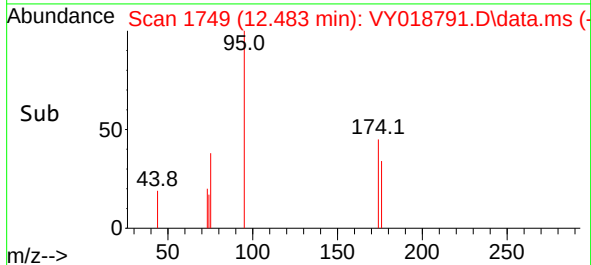
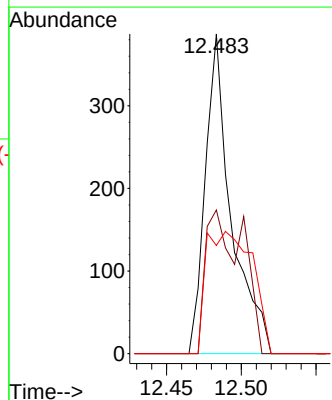
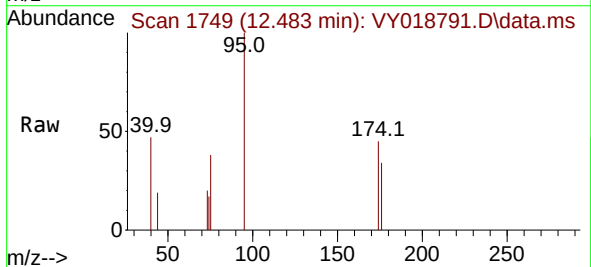
Instrument :
MSVOA_Y
ClientSampleId :

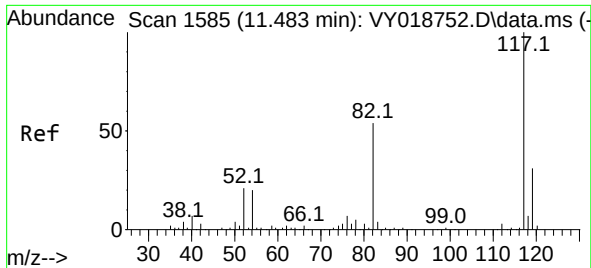
Tgt Ion: 43 Resp: 22
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#



#62
4-Bromofluorobenzene
Concen: 20.836 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY018791.D
Acq: 12 Jul 2024 12:37

Tgt Ion: 95 Resp: 465
Ion Ratio Lower Upper
95 100
174 63.9 0.0 175.6
176 68.2 0.0 171.4

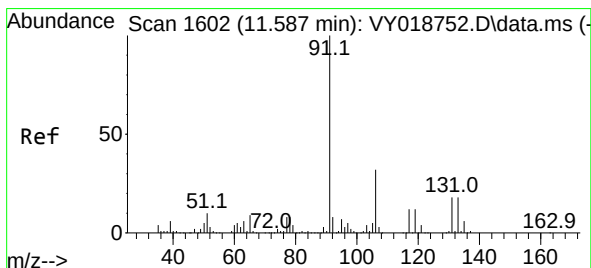
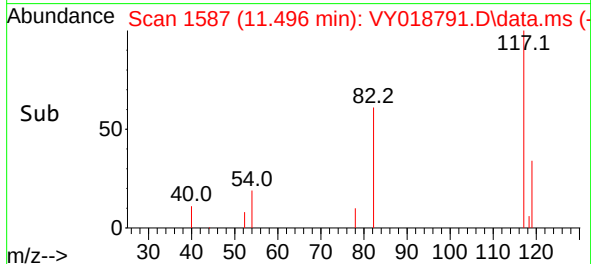
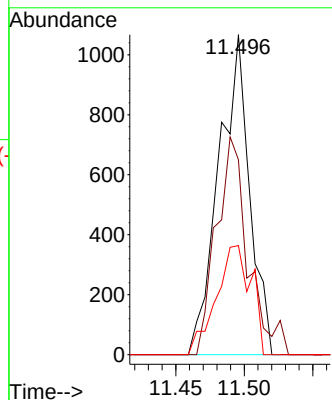
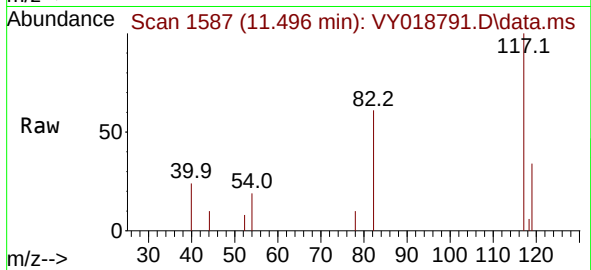




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY018791.D
Acq: 12 Jul 2024 12:37

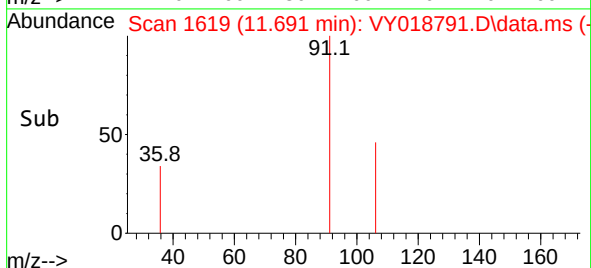
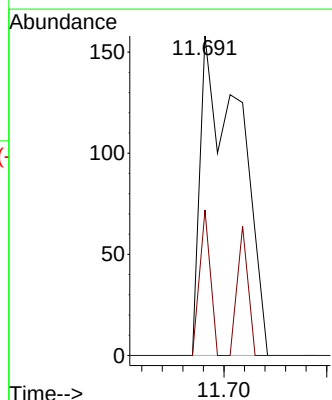
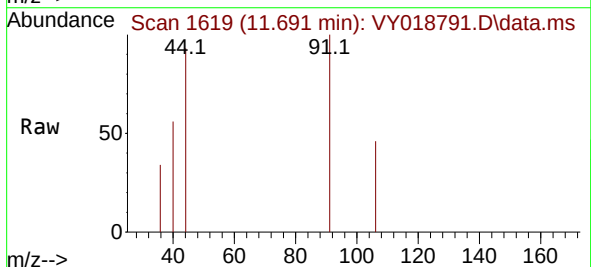
Instrument :
MSVOA_Y
ClientSampleId :

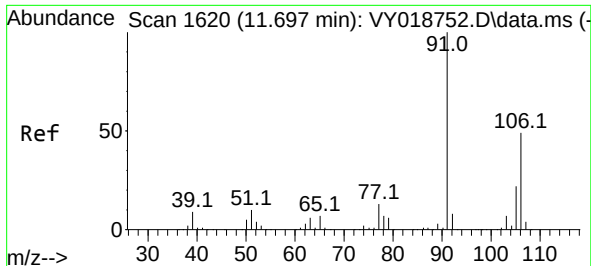
Tgt Ion:117 Resp: 1669
Ion Ratio Lower Upper
117 100
82 60.9 42.4 63.6
119 34.1 25.9 38.9



#67
Ethyl Benzene
Concen: 3.405 ug/l
RT: 11.691 min Scan# 1619
Delta R.T. 0.104 min
Lab File: VY018791.D
Acq: 12 Jul 2024 12:37

Tgt Ion: 91 Resp: 210
Ion Ratio Lower Upper
91 100
106 45.6 24.5 36.7#

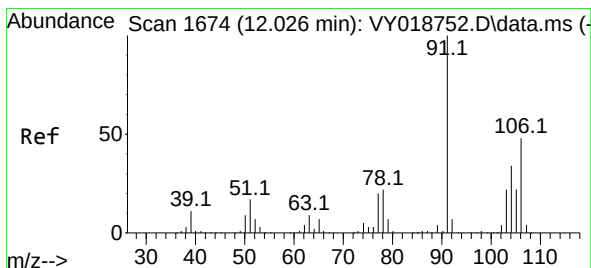
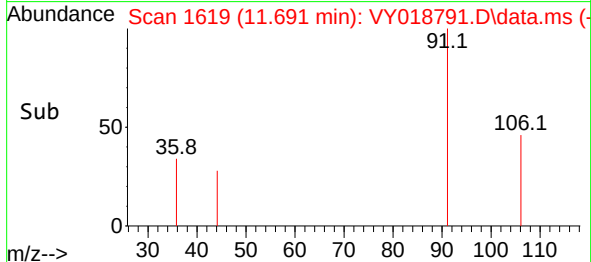
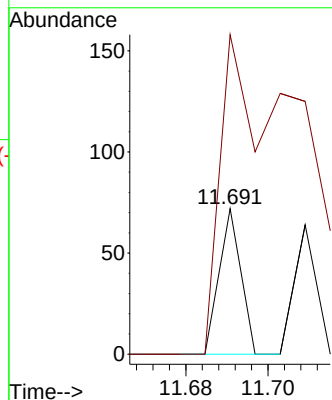
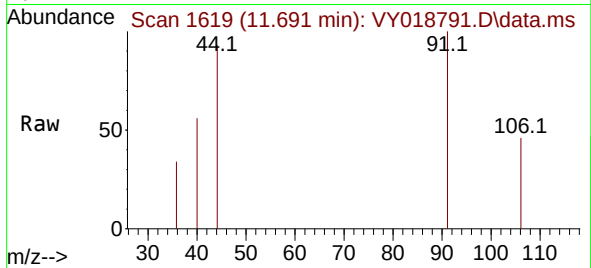




#68
m/p-Xylenes
Concen: 1.074 ug/l
RT: 11.691 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VY018791.D
Acq: 12 Jul 2024 12:37

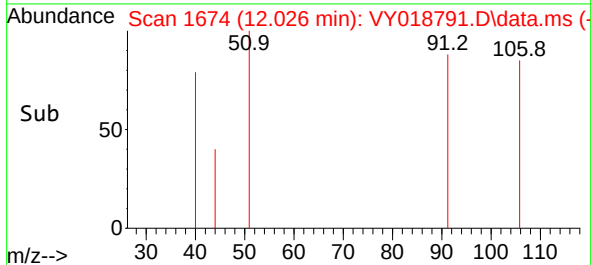
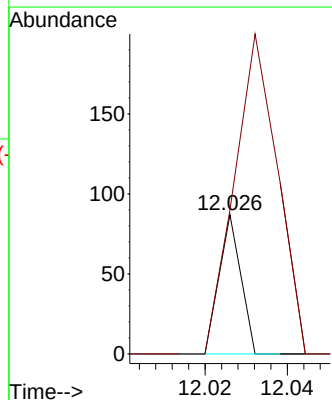
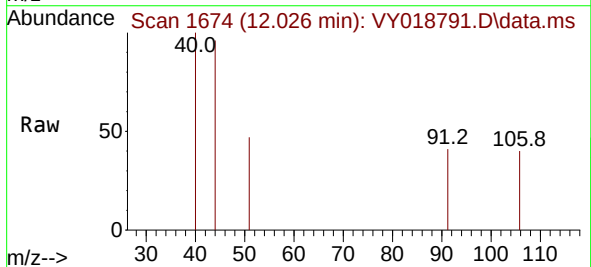
Instrument :
MSVOA_Y
ClientSampleId :

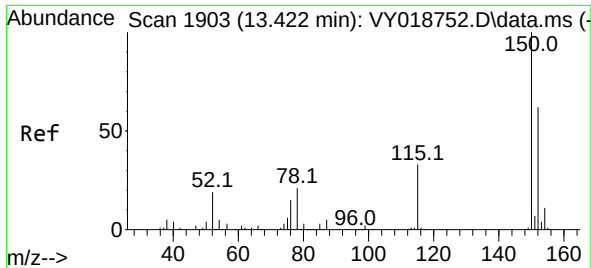
Tgt Ion:106 Resp: 26
Ion Ratio Lower Upper
106 100
91 807.7 156.0 234.0#



#69
o-Xylene
Concen: 1.406 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY018791.D
Acq: 12 Jul 2024 12:37

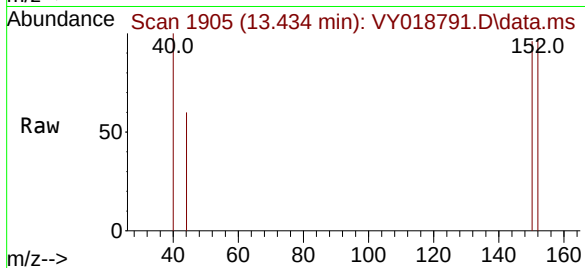
Tgt Ion:106 Resp: 32
Ion Ratio Lower Upper
106 100
91 453.1 103.6 310.8#



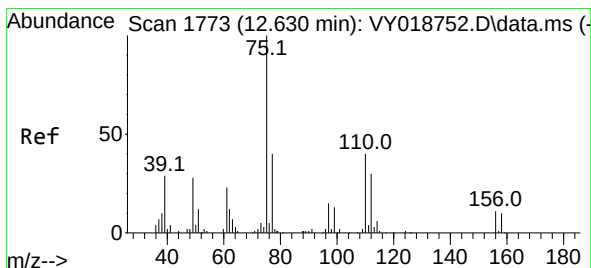
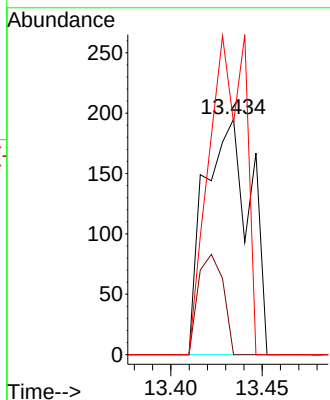
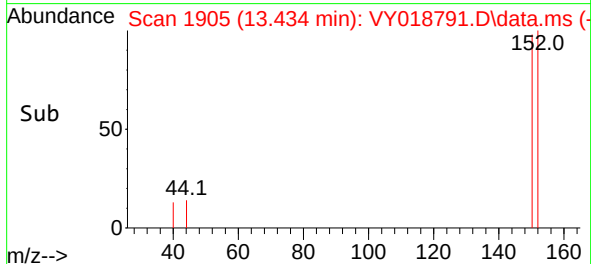


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. 0.012 min
 Lab File: VY018791.D
 Acq: 12 Jul 2024 12:37

Instrument :
 MSVOA_Y
 ClientSampleId :

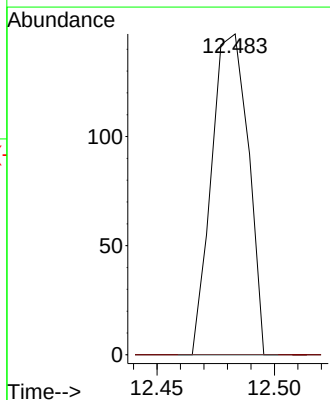
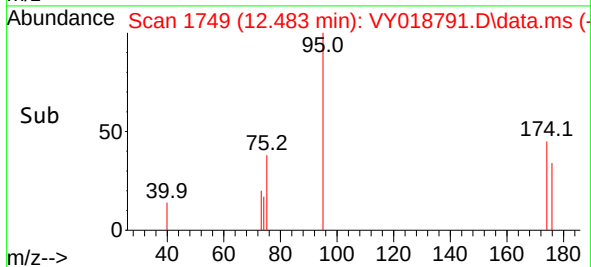
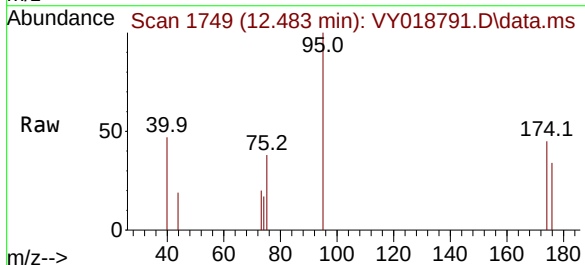


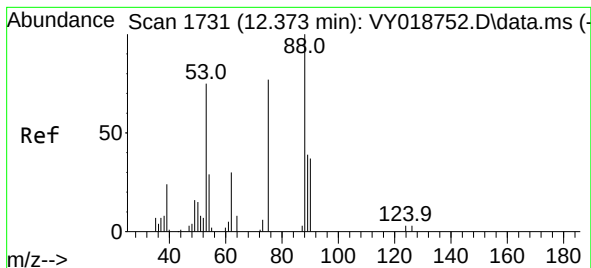
Tgt Ion:152 Resp: 338
 Ion Ratio Lower Upper
 152 100
 115 23.4 28.2 84.7#
 150 108.3 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 60.439 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY018791.D
 Acq: 12 Jul 2024 12:37

Tgt Ion: 75 Resp: 160
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

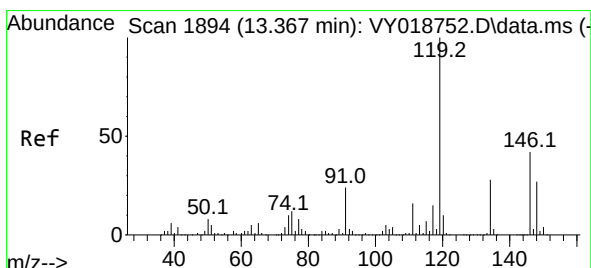
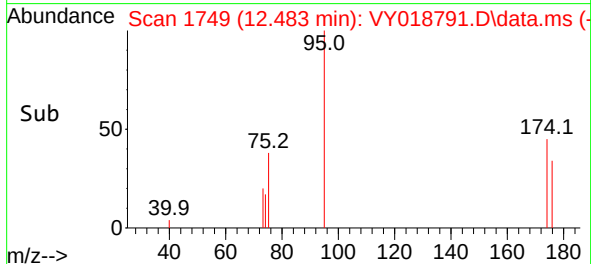
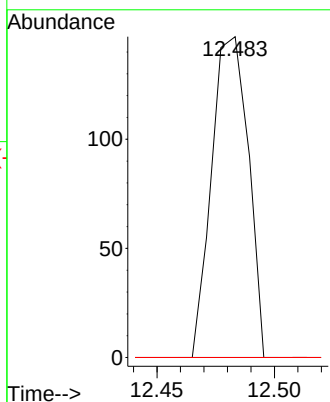
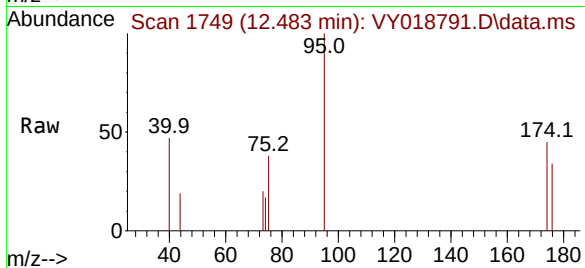




#81
trans-1,4-Dichloro-2-butene
Concen: 135.267 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY018791.D
Acq: 12 Jul 2024 12:37

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 160
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#86
p-Isopropyltoluene
Concen: 1.004 ug/l
RT: 13.361 min Scan# 1893
Delta R.T. -0.006 min
Lab File: VY018791.D
Acq: 12 Jul 2024 12:37

Tgt Ion: 119 Resp: 23
Ion Ratio Lower Upper
119 100
134 204.3 13.1 39.3#
91 0.0 10.7 32.1#

