

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063022\
 Data File : VY009398.D
 Acq On : 30 Jun 2022 17:10
 Operator : KP/MD
 Sample : N3488-09
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 01 03:48:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 17:35:34 2022
 Response via : Initial Calibration

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

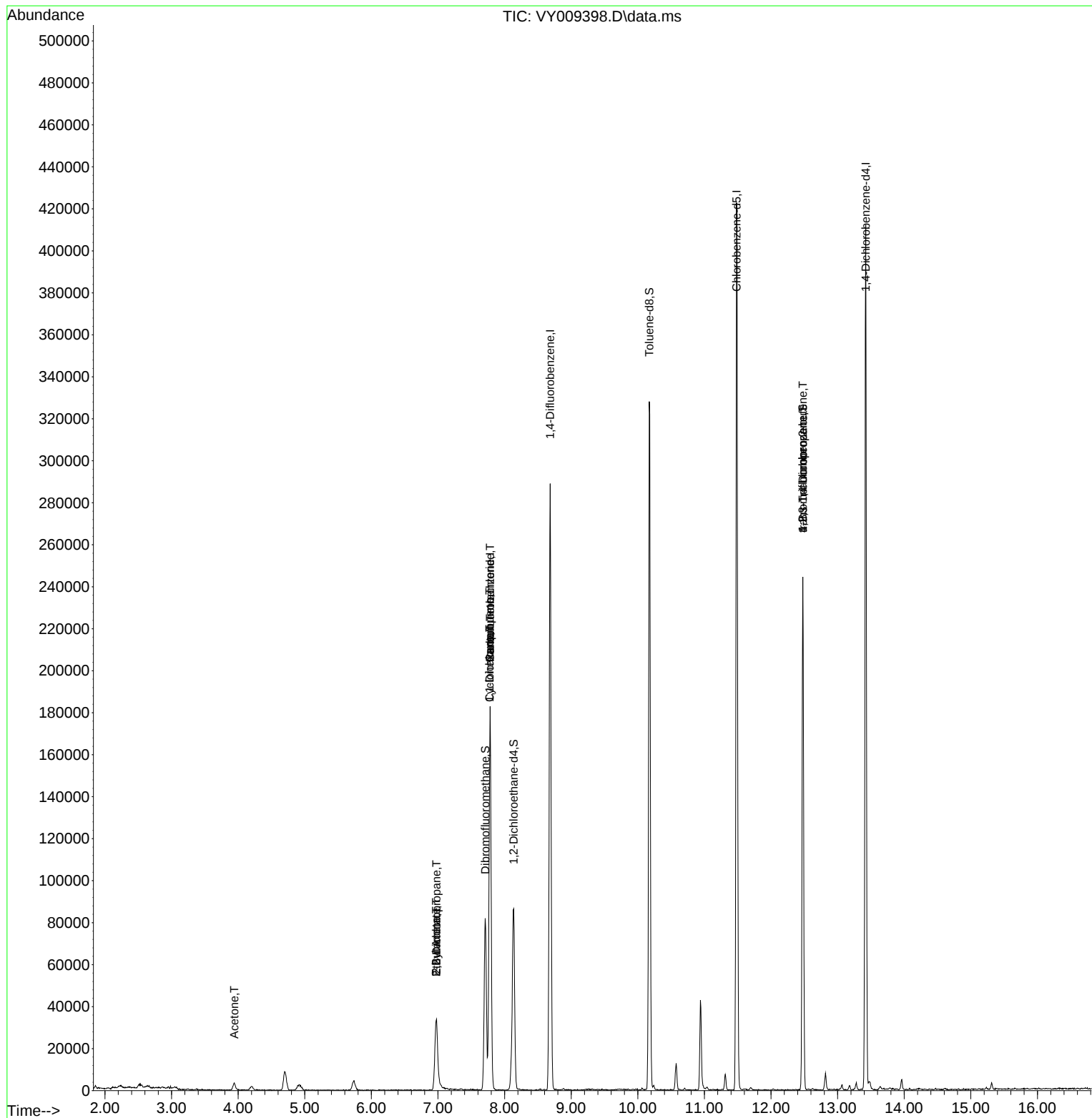
Internal Standards						
1) Pentafluorobenzene	7.783	168	138441	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	238231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	225235	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	100467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	62130	56.031	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.060%
35) Dibromofluoromethane	7.710	113	56010	42.718	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.440%
50) Toluene-d8	10.173	98	209215	52.043	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.080%
62) 4-Bromofluorobenzene	12.477	95	66836	35.055	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	70.120%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.899	59	1156	Below Cal	#	77
16) Acetone	3.942	43	5639	15.485	ug/l #	86
18) Methyl Acetate	4.466	43	101	Below Cal	#	56
20) Methylene Chloride	4.698	84	6728	Below Cal	#	88
25) 2-Butanone	6.972	43	2255	3.906	ug/l	93
26) 2,2-Dichloropropane	6.978	77	2669	1.042	ug/l #	55
31) Cyclohexane	7.777	56	2988	1.198	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	10784	4.704	ug/l #	50
37) Ethyl Acetate	6.972	43	2255	1.659	ug/l #	1
38) Carbon Tetrachloride	7.783	117	14131	5.897	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	36679	31.175	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	36679	69.411	ug/l #	7

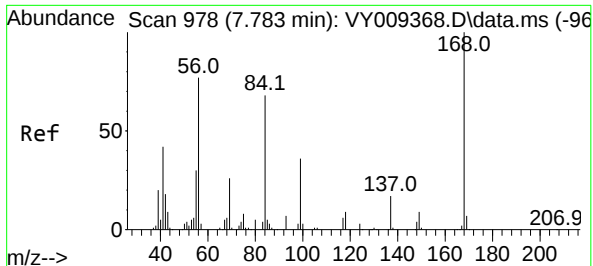
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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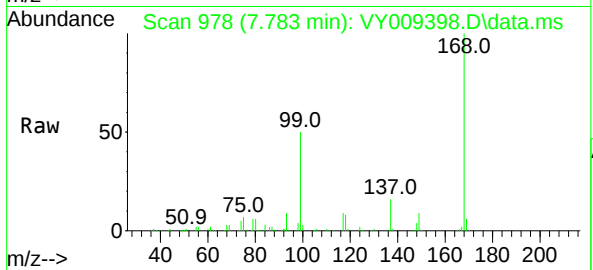
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 29 17:35:34 2022
Response via : Initial Calibration



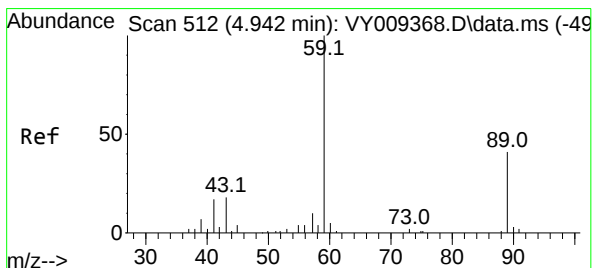
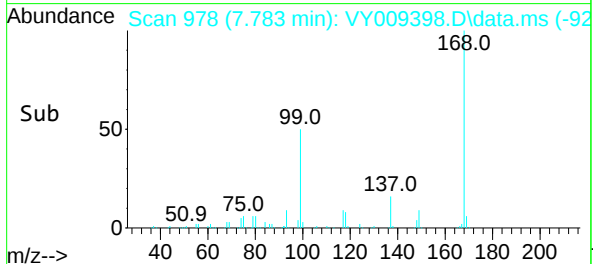
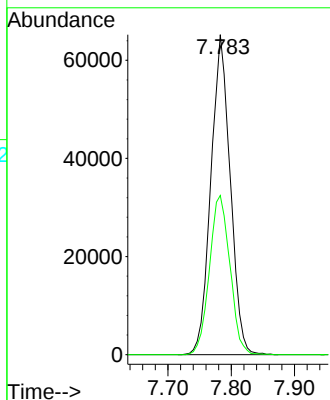


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009398.D
Acq: 30 Jun 2022 17:10

Instrument :
MSVOA_Y
ClientSampleId :

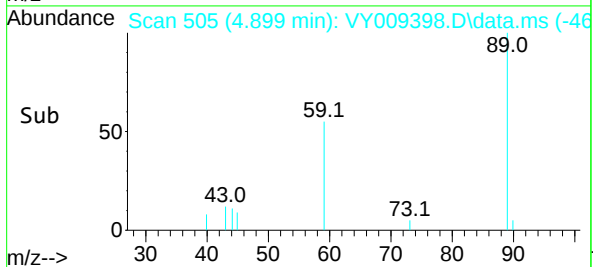
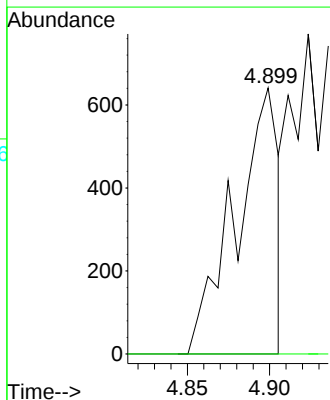
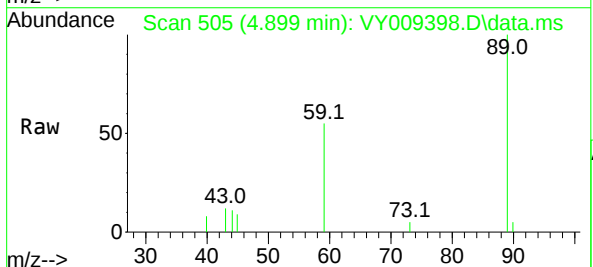


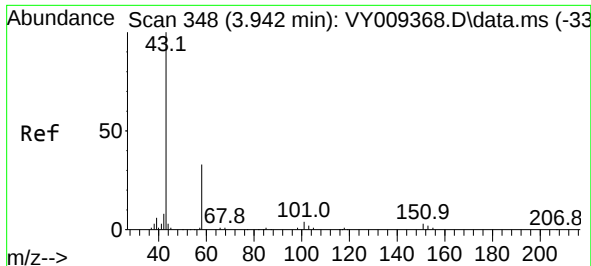
Tgt Ion:168 Resp: 138441
Ion Ratio Lower Upper
168 100
99 49.8 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.899 min Scan# 505
Delta R.T. -0.043 min
Lab File: VY009398.D
Acq: 30 Jun 2022 17:10

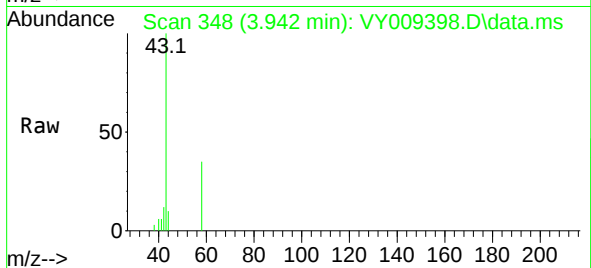
Tgt Ion: 59 Resp: 1156
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



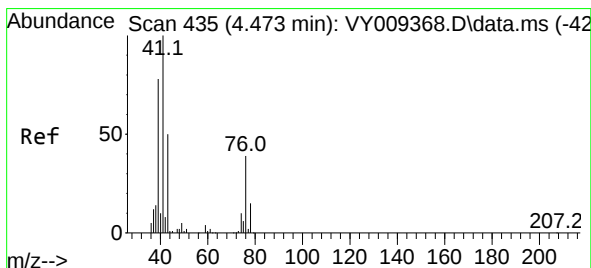
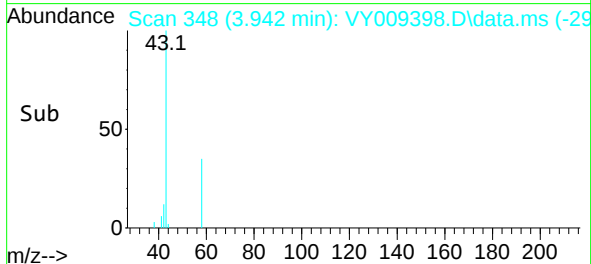
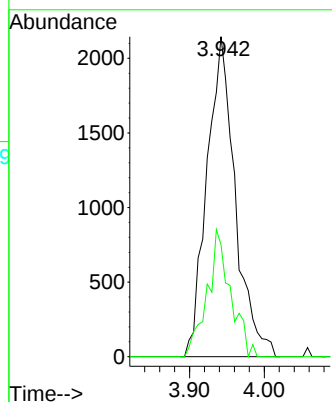


#16
Acetone
Concen: 15.485 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY009398.D
Acq: 30 Jun 2022 17:10

Instrument :
MSVOA_Y
ClientSampleId :

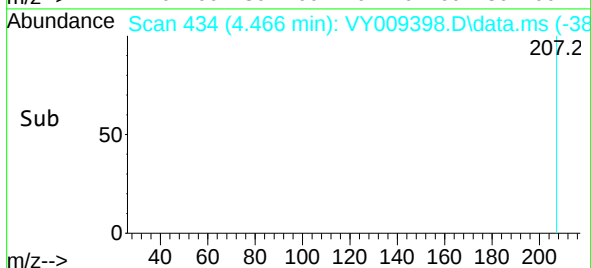
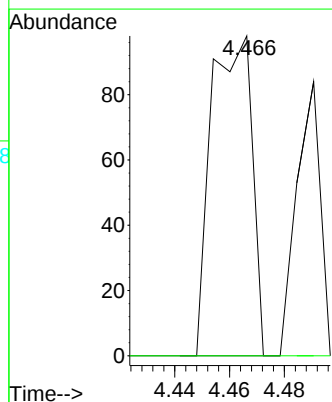
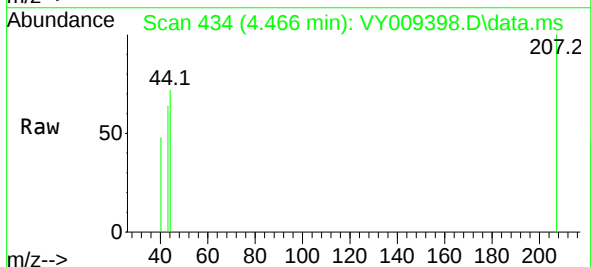


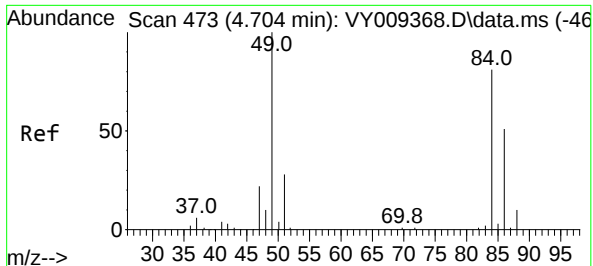
Tgt Ion: 43 Resp: 5639
Ion Ratio Lower Upper
43 100
58 35.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 434
Delta R.T. -0.007 min
Lab File: VY009398.D
Acq: 30 Jun 2022 17:10

Tgt Ion: 43 Resp: 101
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.698 min Scan# 41

Delta R.T. -0.012 min

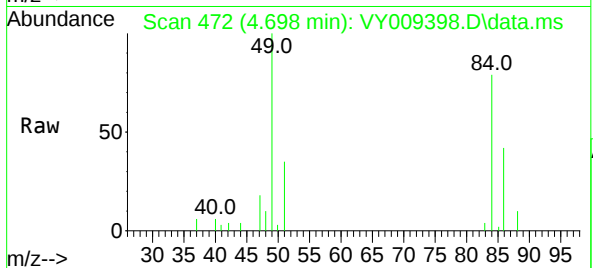
Lab File: VY009398.D

Acq: 30 Jun 2022 17:10

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 6728

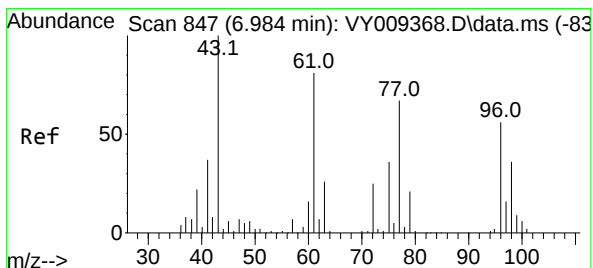
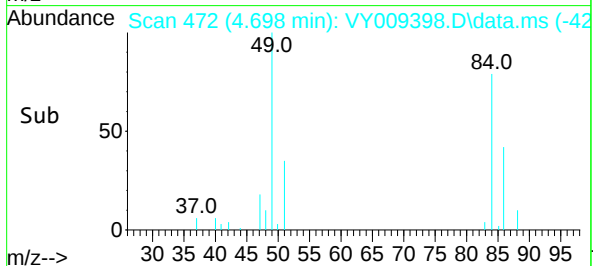
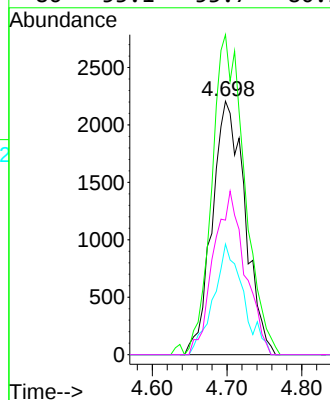
Ion Ratio Lower Upper

84 100

49 126.2 114.4 171.6

51 43.6 35.3 52.9

86 53.1 53.7 80.5#



#25

2-Butanone

Concen: 3.906 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY009398.D

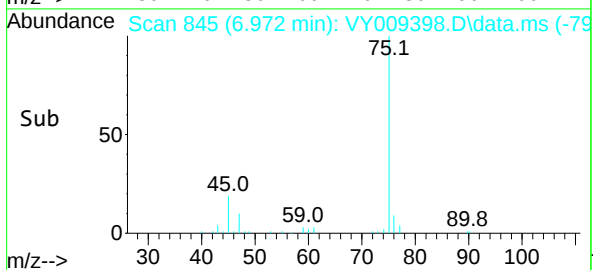
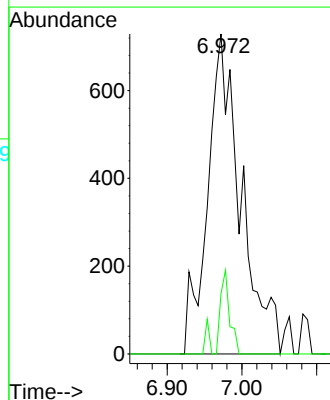
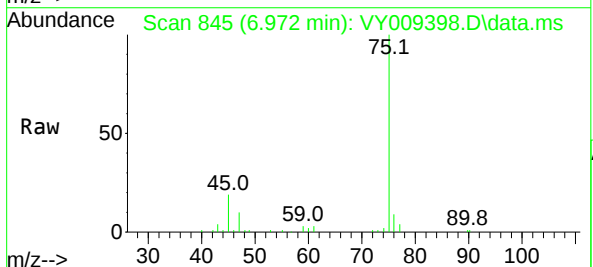
Acq: 30 Jun 2022 17:10

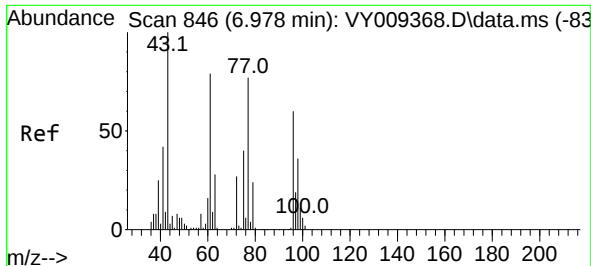
Tgt Ion: 43 Resp: 2255

Ion Ratio Lower Upper

43 100

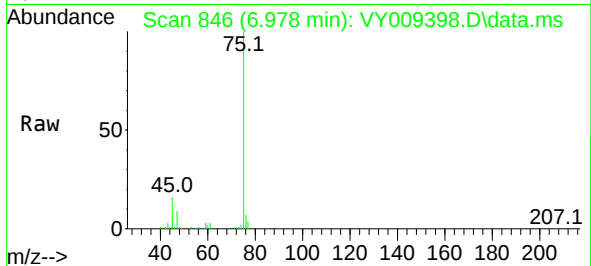
72 18.8 17.7 26.5



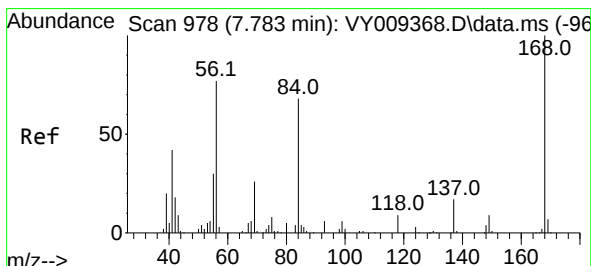
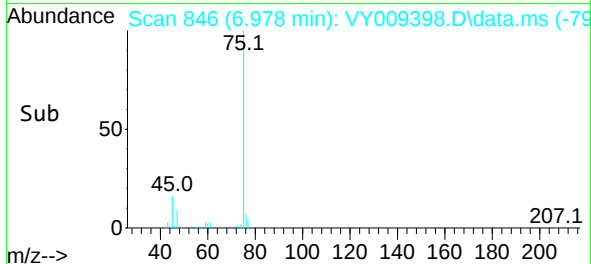
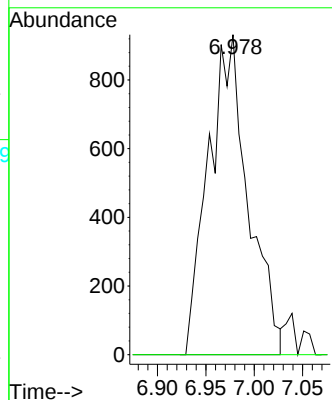


#26
2,2-Dichloropropane
Concen: 1.042 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY009398.D
Acq: 30 Jun 2022 17:10

Instrument :
MSVOA_Y
ClientSampleId :

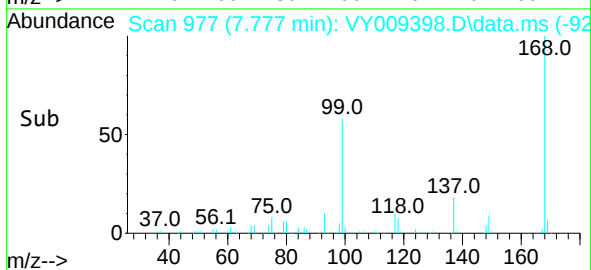
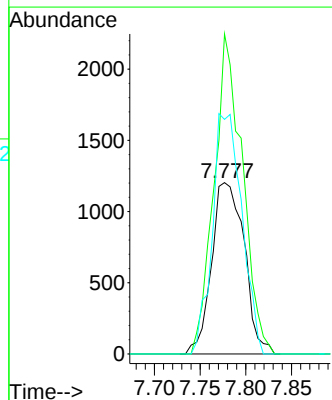
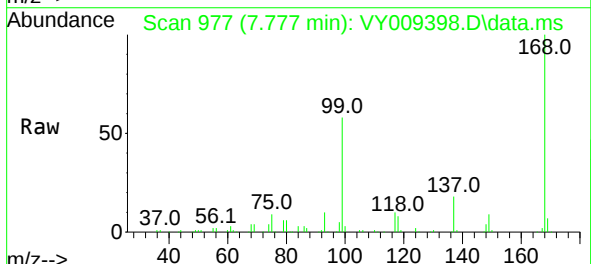


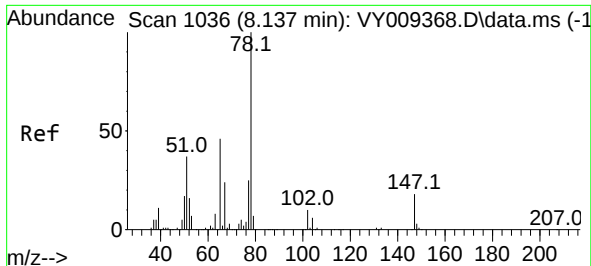
Tgt Ion: 77 Resp: 2669
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#



#31
Cyclohexane
Concen: 1.198 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.006 min
Lab File: VY009398.D
Acq: 30 Jun 2022 17:10

Tgt Ion: 56 Resp: 2988
Ion Ratio Lower Upper
56 100
69 186.8 26.7 40.1#
84 136.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 56.031 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY009398.D

Acq: 30 Jun 2022 17:10

Instrument :

MSVOA_Y

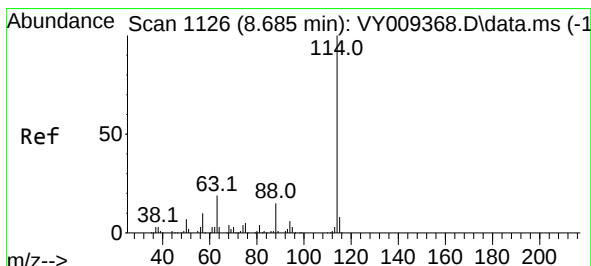
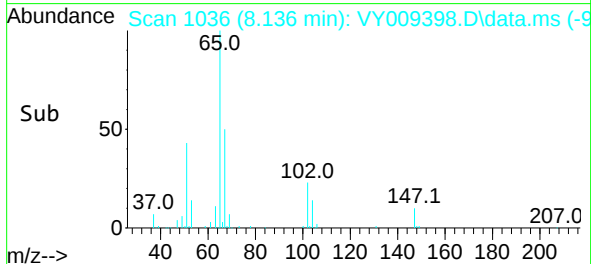
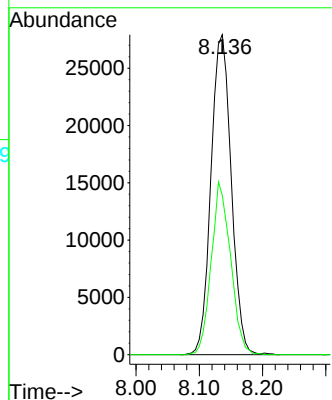
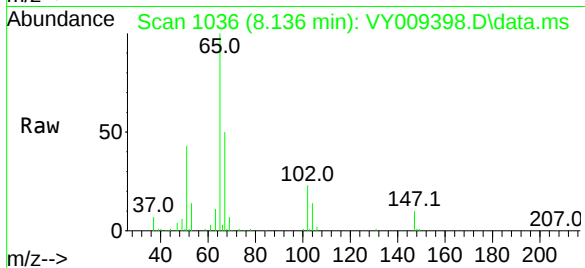
ClientSampleId :

Tgt Ion: 65 Resp: 62130

Ion Ratio Lower Upper

65 100

67 51.5 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009398.D

Acq: 30 Jun 2022 17:10

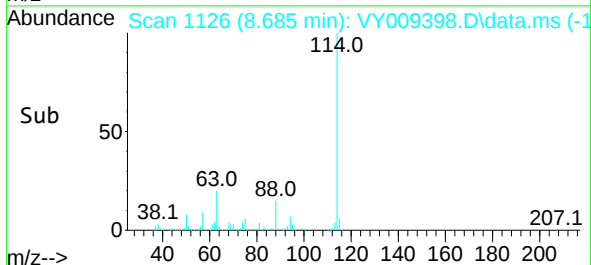
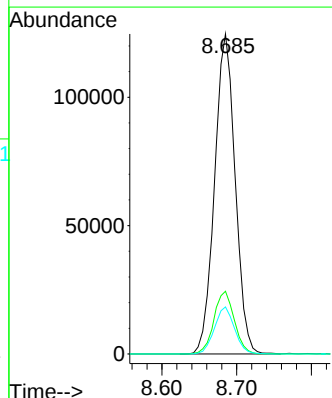
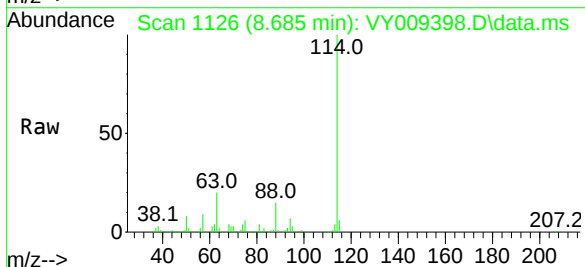
Tgt Ion: 114 Resp: 238231

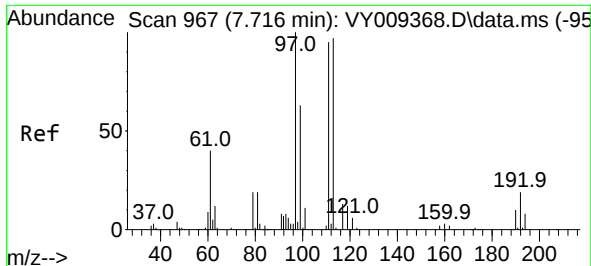
Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

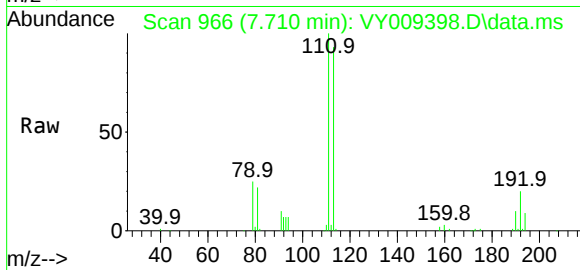
88 14.7 0.0 31.8



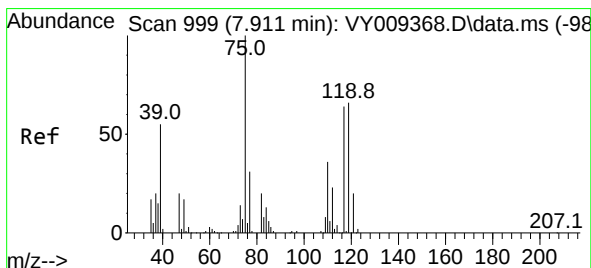
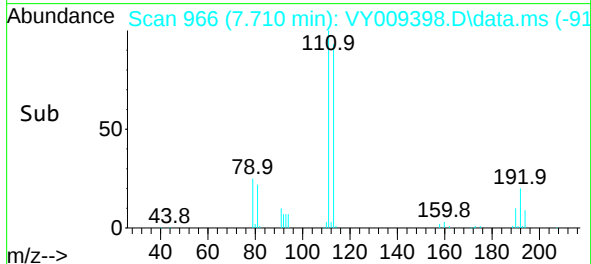
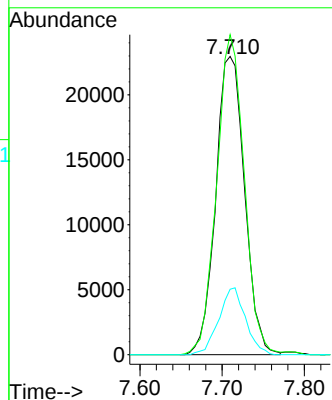


#35
Dibromofluoromethane
Concen: 42.718 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY009398.D
Acq: 30 Jun 2022 17:10

Instrument :
MSVOA_Y
ClientSampleId :

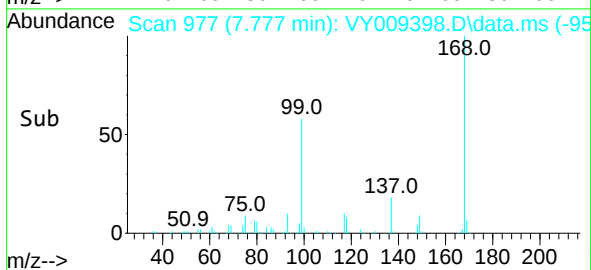
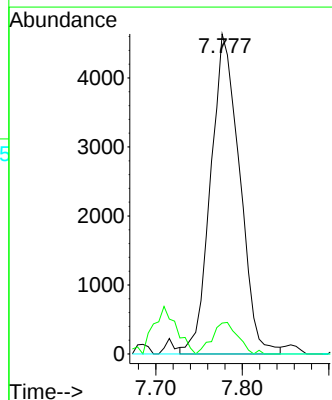
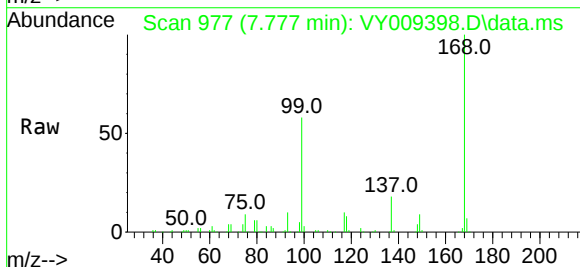


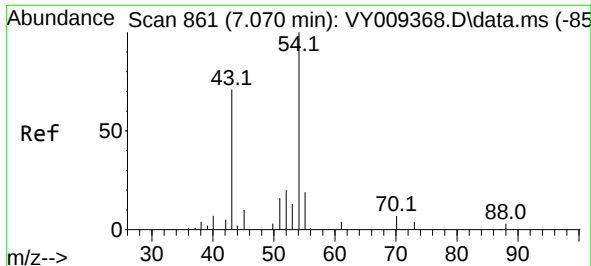
Tgt Ion:113 Resp: 56010
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 20.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.704 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY009398.D
Acq: 30 Jun 2022 17:10

Tgt Ion: 75 Resp: 10784
Ion Ratio Lower Upper
75 100
110 8.8 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.659 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.098 min

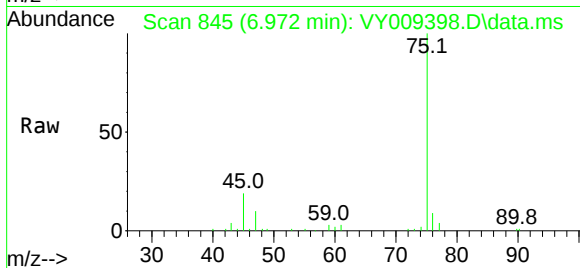
Lab File: VY009398.D

Acq: 30 Jun 2022 17:10

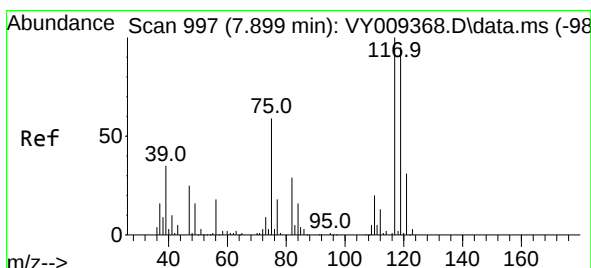
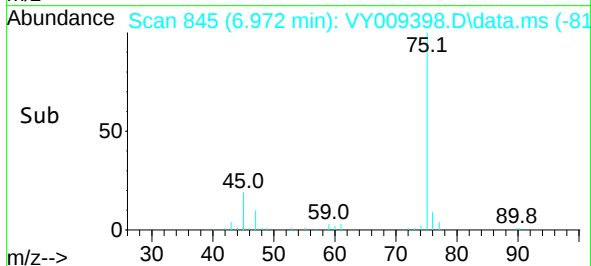
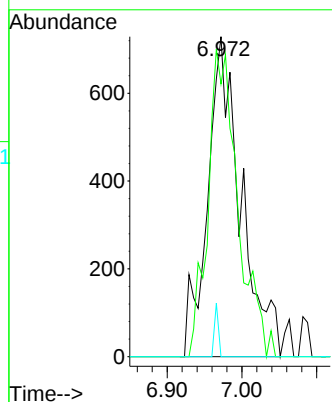
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	2255
Ion	Ratio	Lower	Upper
43	100		
61	86.7	9.7	14.5#
70	2.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.897 ug/l

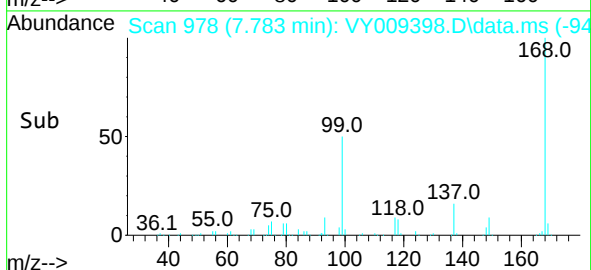
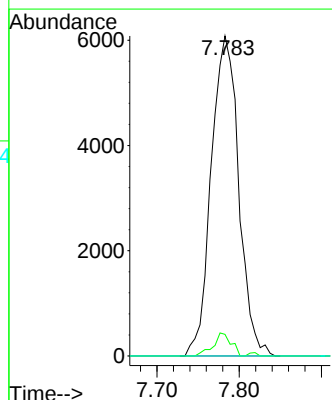
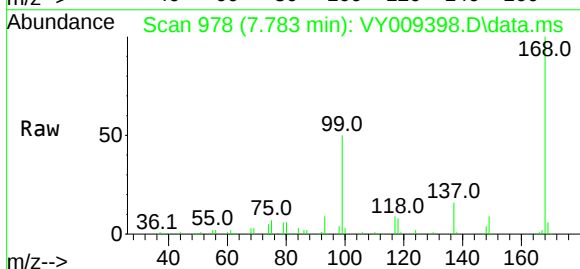
RT: 7.783 min Scan# 978

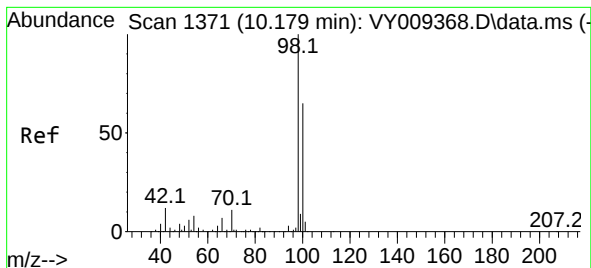
Delta R.T. -0.110 min

Lab File: VY009398.D

Acq: 30 Jun 2022 17:10

Tgt Ion:	117	Resp:	14131
Ion	Ratio	Lower	Upper
117	100		
119	6.8	77.9	116.9#
121	0.0	24.8	37.2#

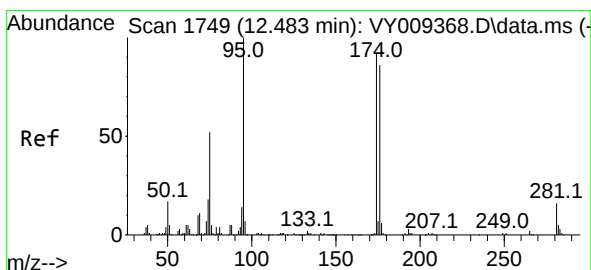
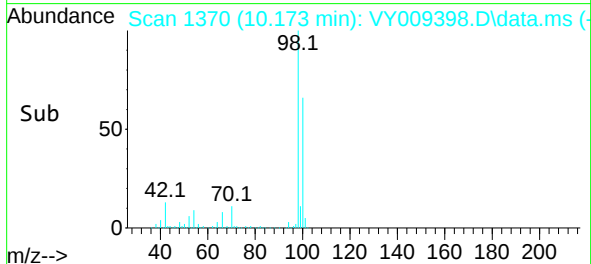
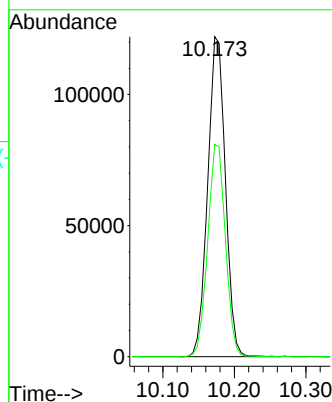
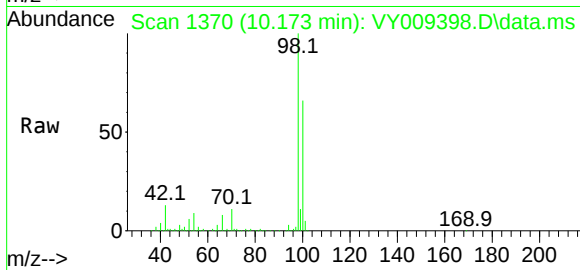




#50
Toluene-d8
Concen: 52.043 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009398.D
Acq: 30 Jun 2022 17:10

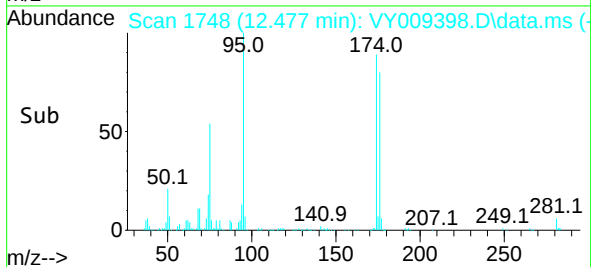
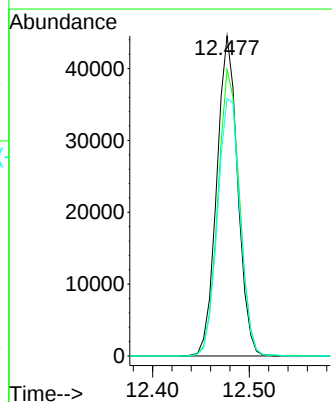
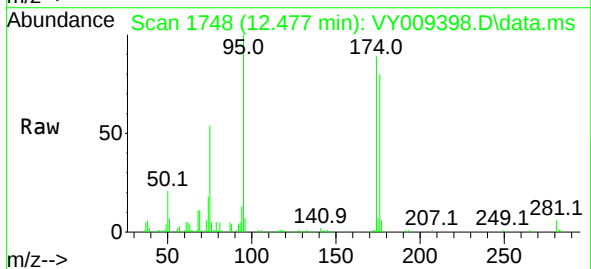
Instrument :
MSVOA_Y
ClientSampleId :

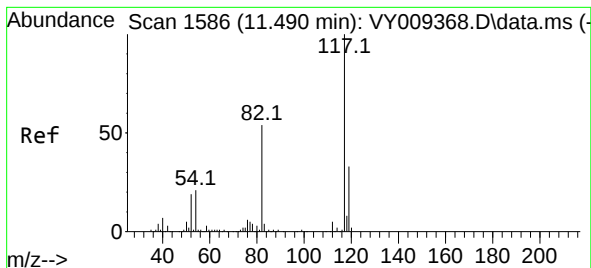
Tgt Ion: 98 Resp: 209215
Ion Ratio Lower Upper
98 100
100 66.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 35.055 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009398.D
Acq: 30 Jun 2022 17:10

Tgt Ion: 95 Resp: 66836
Ion Ratio Lower Upper
95 100
174 92.3 0.0 177.0
176 86.7 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.007 min

Lab File: VY009398.D

Acq: 30 Jun 2022 17:10

Instrument :

MSVOA_Y

ClientSampleId :

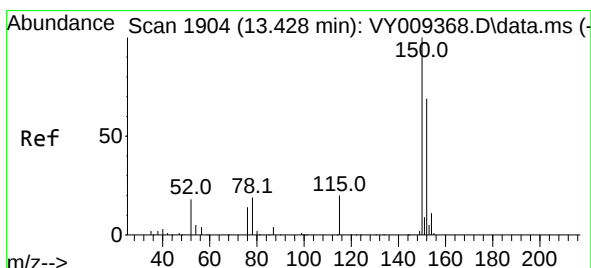
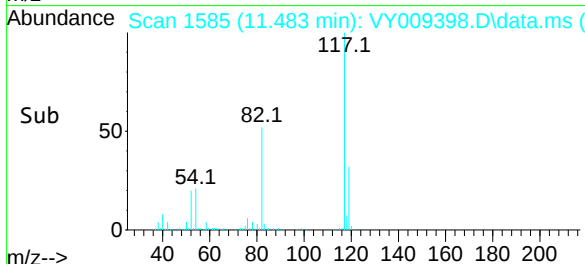
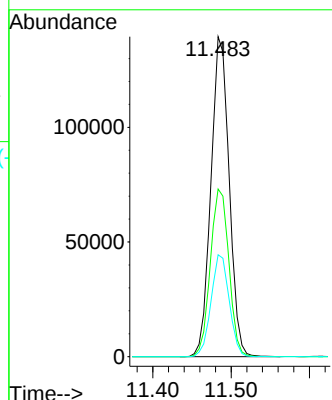
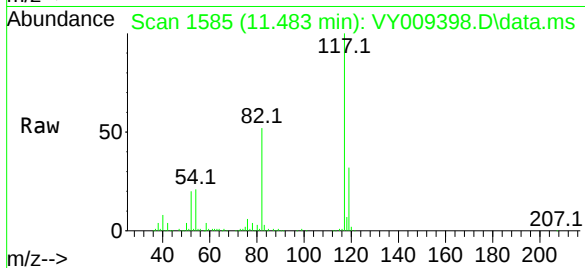
Tgt Ion:117 Resp: 225235

Ion Ratio Lower Upper

117 100

82 52.4 43.0 64.4

119 31.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY009398.D

Acq: 30 Jun 2022 17:10

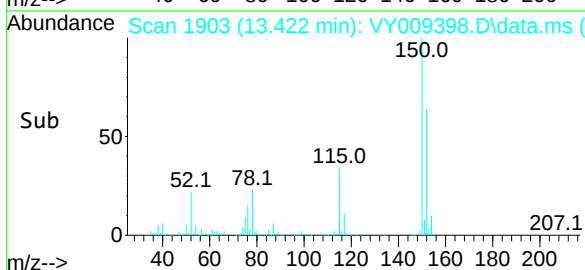
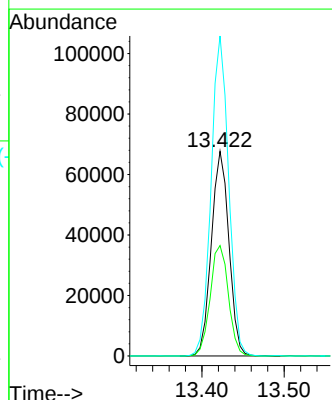
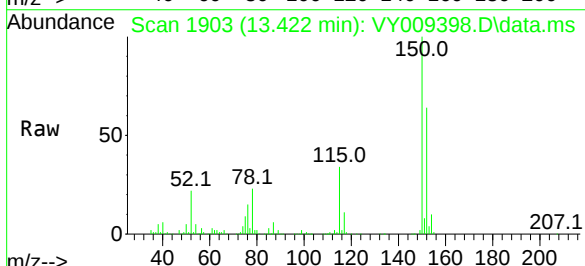
Tgt Ion:152 Resp: 100467

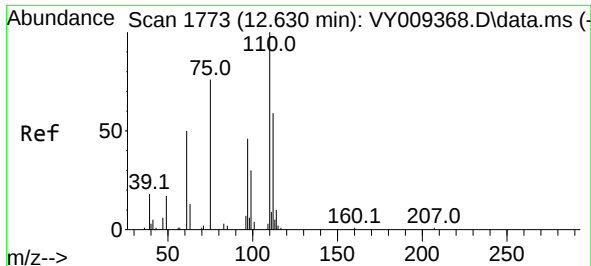
Ion Ratio Lower Upper

152 100

115 56.0 28.2 84.7

150 156.4 0.0 347.6

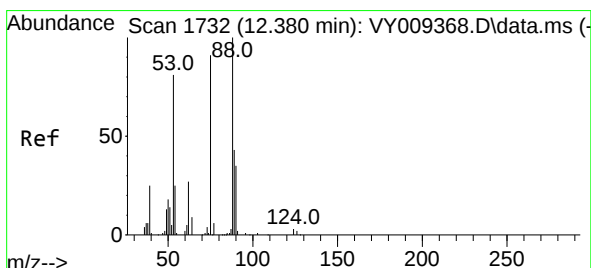
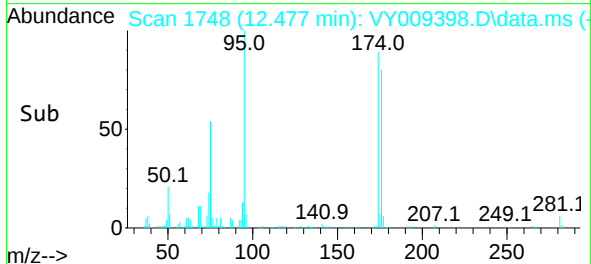
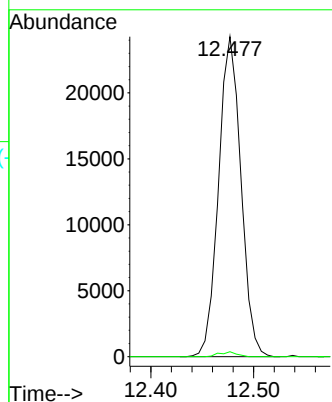
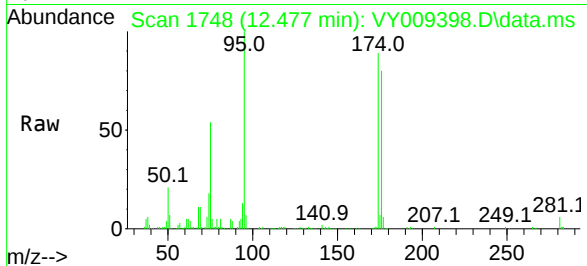




#76
1,2,3-Trichloropropane
Concen: 31.175 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009398.D
Acq: 30 Jun 2022 17:10

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 36679
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.411 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY009398.D
Acq: 30 Jun 2022 17:10

Tgt Ion: 75 Resp: 36679
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#

