

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
 Data File : VY015091.D
 Acq On : 14 Aug 2023 19:57
 Operator : SY/MD
 Sample : 03903-08
 Misc : 5.63g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MW-08

Quant Time: Aug 15 02:24:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

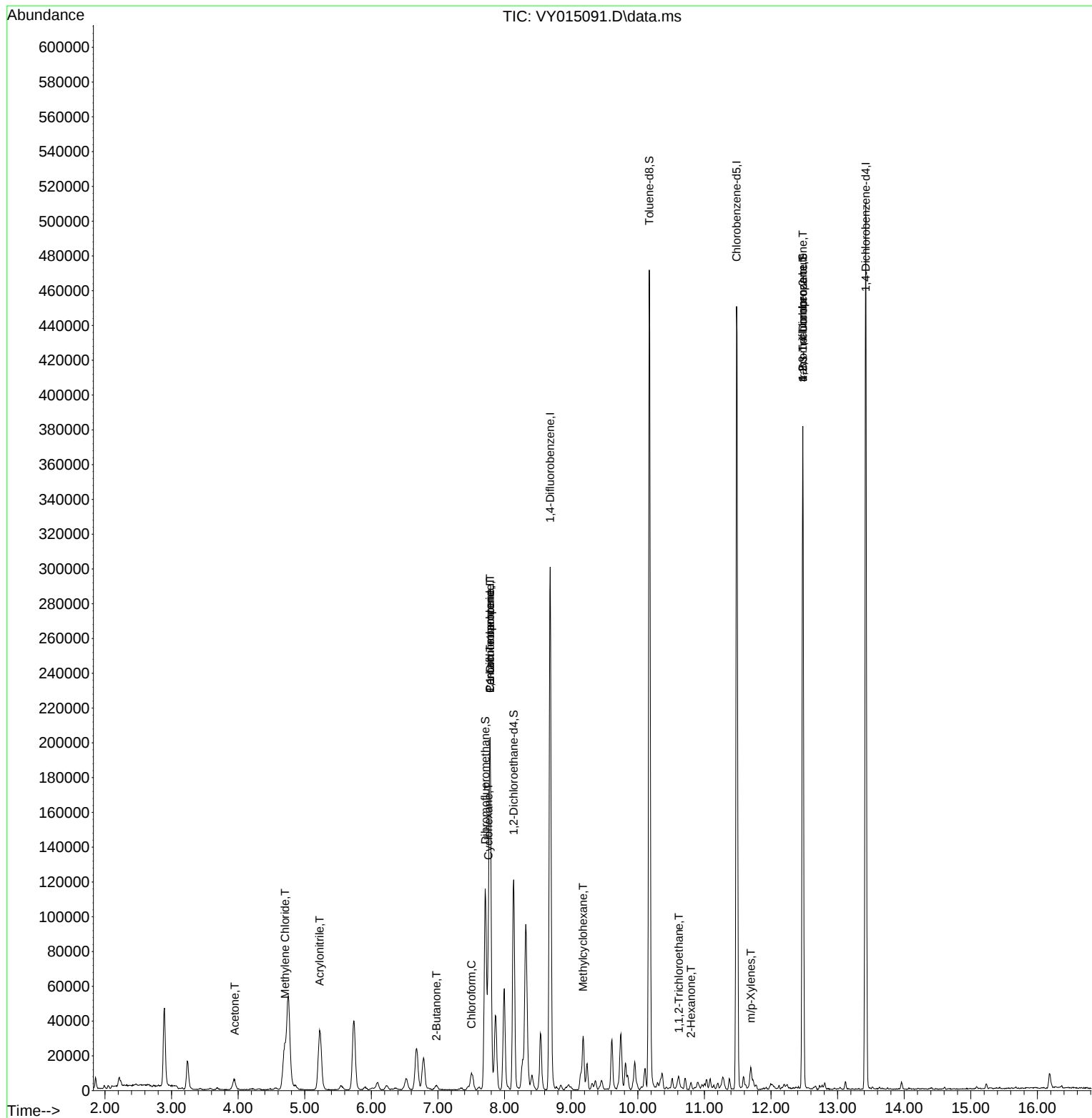
Internal Standards						
1) Pentafluorobenzene	7.783	168	142903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	251510	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	246423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	126820	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	95912	55.912	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.820%
35) Dibromofluoromethane	7.710	113	79609	49.201	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.400%
50) Toluene-d8	10.173	98	301174	50.001	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.000%
62) 4-Bromofluorobenzene	12.477	95	112350	51.068	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.140%
Target Compounds						
					Qvalue	
3) Chloromethane	2.101	50	452	Below Cal	#	64
5) Bromomethane	2.644	94	209	Below Cal	#	75
11) Tert butyl alcohol	4.954	59	263	Below Cal	#	89
13) Acrolein	3.936	56	446	Below Cal	#	76
15) Acrylonitrile	5.222	53	1055	2.072	ug/l #	19
16) Acetone	3.948	43	8958	15.985	ug/l	95
20) Methylene Chloride	4.704	84	9506	3.015	ug/l #	83
25) 2-Butanone	6.978	43	1874	2.362	ug/l #	72
30) Chloroform	7.503	83	6995	2.620	ug/l	99
31) Cyclohexane	7.759	56	15015	7.636	ug/l #	62
36) 1,1-Dichloropropene	7.783	75	10972	6.129	ug/l #	50
38) Carbon Tetrachloride	7.783	117	13942	6.581	ug/l #	16
39) Methylcyclohexane	9.179	83	8073	4.023	ug/l	97
55) 1,1,2-Trichloroethane	10.618	97	2239	1.530	ug/l #	21
59) 2-Hexanone	10.801	43	1684	1.292	ug/l #	27
68) m/p-Xylenes	11.697	106	3787	1.267	ug/l	96
76) 1,2,3-Trichloropropane	12.477	75	61809	40.116	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	61809	88.113	ug/l #	10

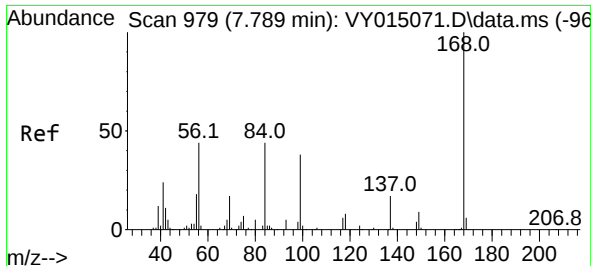
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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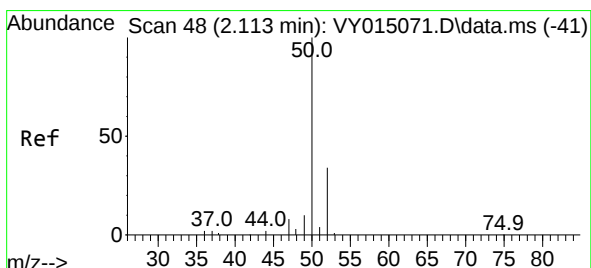
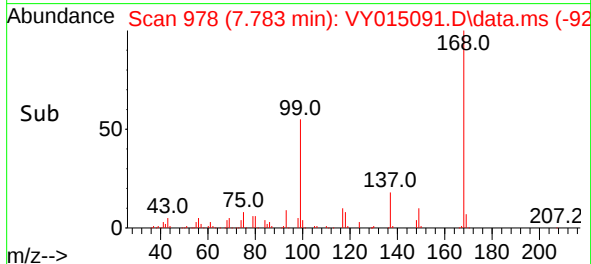
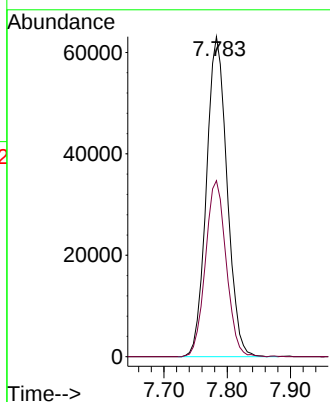
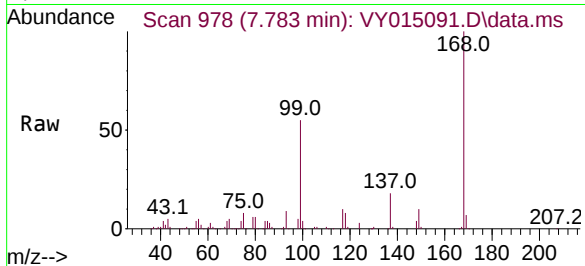




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015091.D
Acq: 14 Aug 2023 19:57

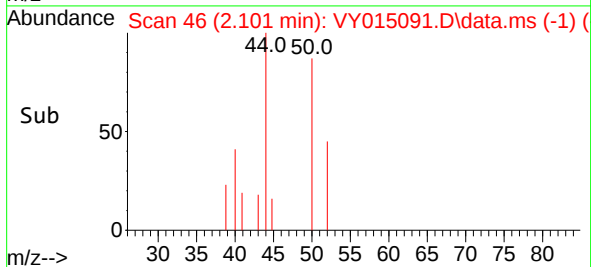
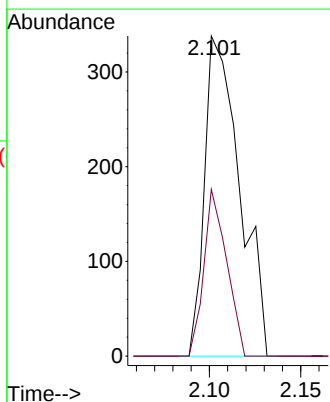
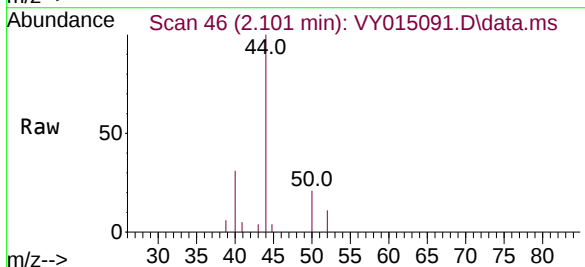
Instrument :
MSVOA_Y
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MW-08

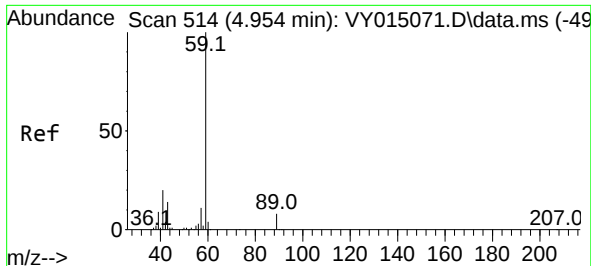
Tgt Ion:168 Resp: 142903
Ion Ratio Lower Upper
168 100
99 55.0 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.101 min Scan# 46
Delta R.T. -0.006 min
Lab File: VY015091.D
Acq: 14 Aug 2023 19:57

Tgt Ion: 50 Resp: 452
Ion Ratio Lower Upper
50 100
52 52.1 25.4 38.2#

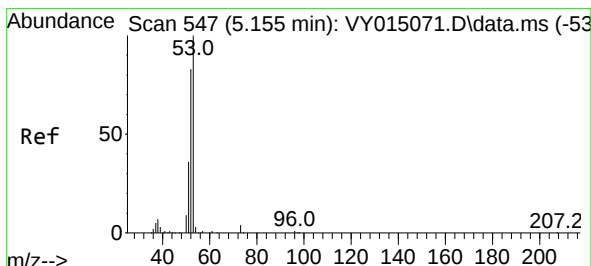
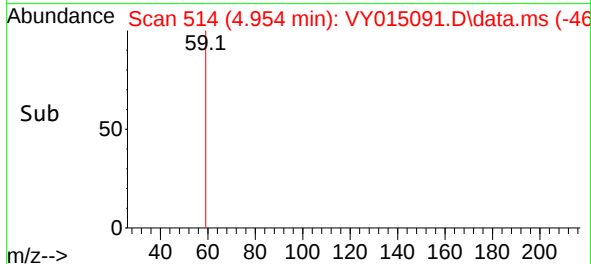
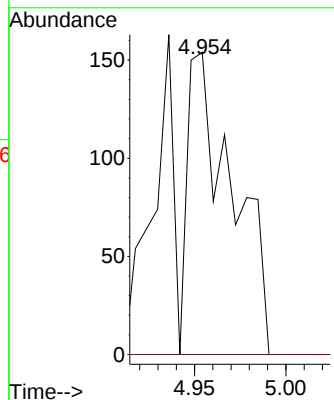
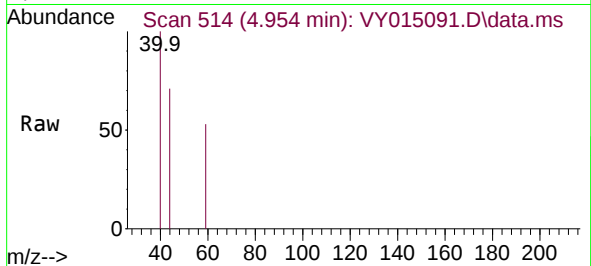




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY015091.D
Acq: 14 Aug 2023 19:57

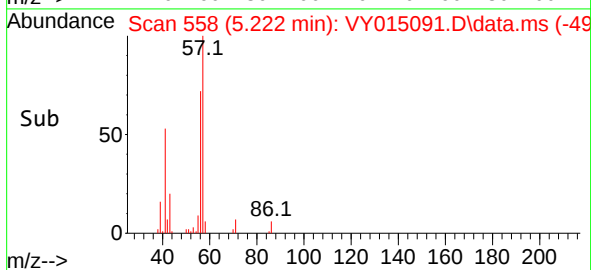
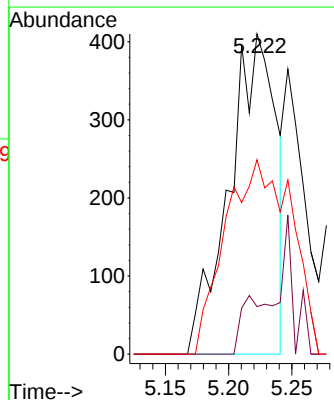
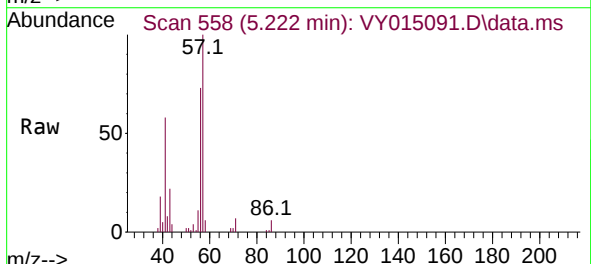
Instrument :
MSVOA_Y
ClientSampleId :
MW-08

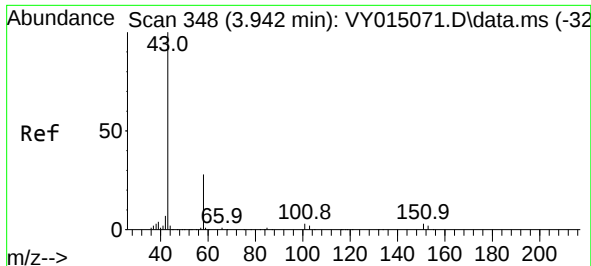
Tgt Ion: 59 Resp: 263
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#15
Acrylonitrile
Concen: 2.072 ug/l
RT: 5.222 min Scan# 558
Delta R.T. 0.067 min
Lab File: VY015091.D
Acq: 14 Aug 2023 19:57

Tgt Ion: 53 Resp: 1055
Ion Ratio Lower Upper
53 100
52 11.1 66.9 100.3#
51 85.8 29.8 44.6#

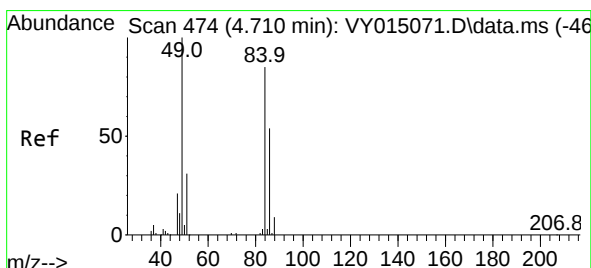
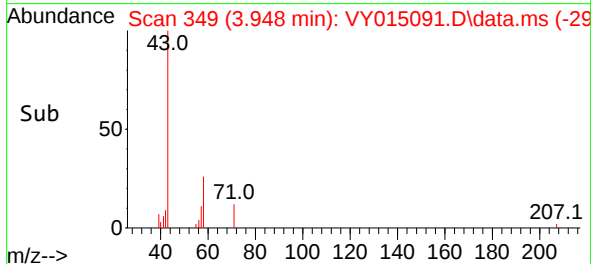
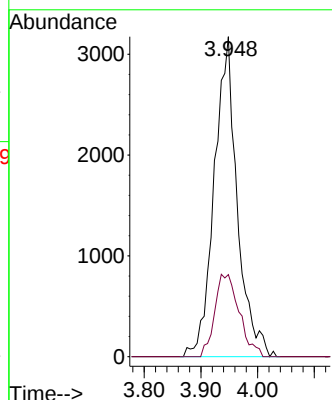
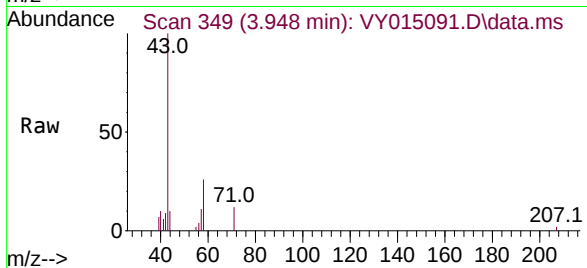




#16
Acetone
Concen: 15.985 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY015091.D
Acq: 14 Aug 2023 19:57

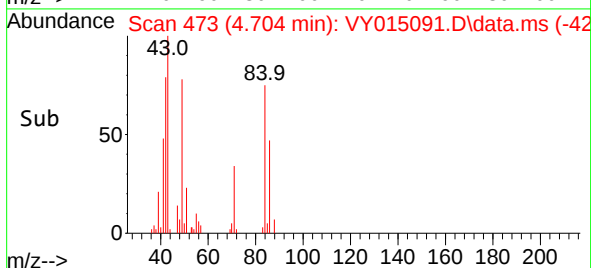
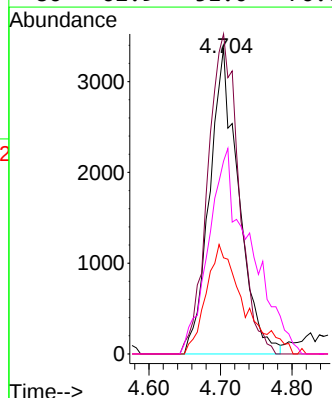
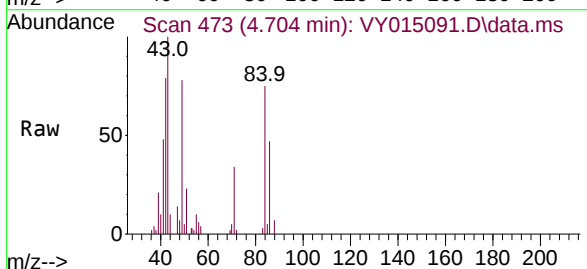
Instrument :
MSVOA_Y
ClientSampleId :
MW-08

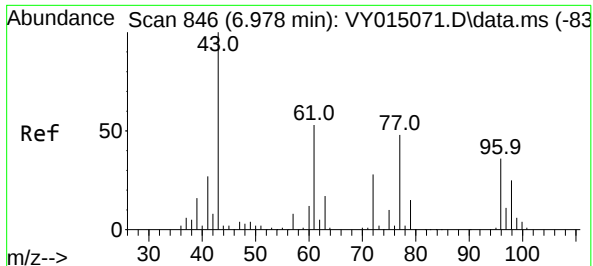
Tgt Ion: 43 Resp: 8958
Ion Ratio Lower Upper
43 100
58 25.6 22.7 34.1



#20
Methylene Chloride
Concen: 3.015 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY015091.D
Acq: 14 Aug 2023 19:57

Tgt Ion: 84 Resp: 9506
Ion Ratio Lower Upper
84 100
49 104.5 106.9 160.3#
51 31.4 33.2 49.8#
86 62.9 51.0 76.6





#25

2-Butanone

Concen: 2.362 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY015091.D

Acq: 14 Aug 2023 19:57

Instrument :

MSVOA_Y

ClientSampleId :

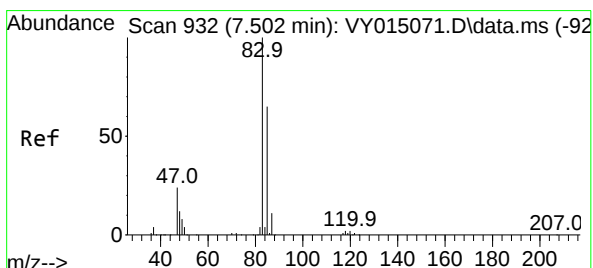
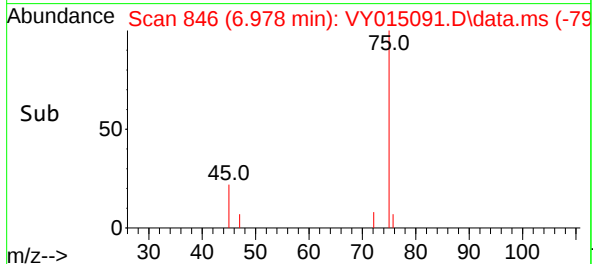
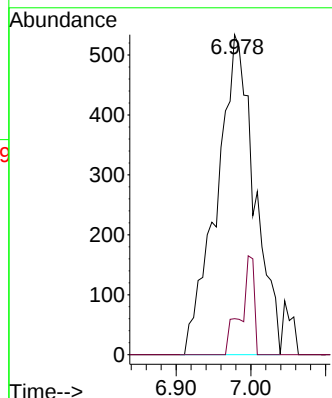
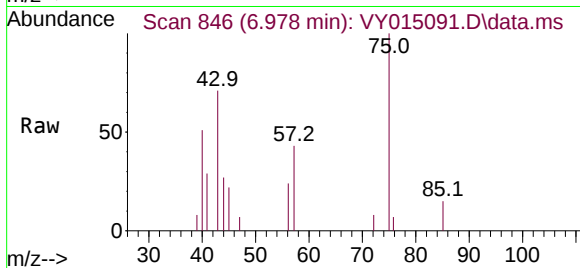
MW-08

Tgt Ion: 43 Resp: 1874

Ion Ratio Lower Upper

43 100

72 11.2 20.5 30.7#



#30

Chloroform

Concen: 2.620 ug/l

RT: 7.503 min Scan# 932

Delta R.T. 0.001 min

Lab File: VY015091.D

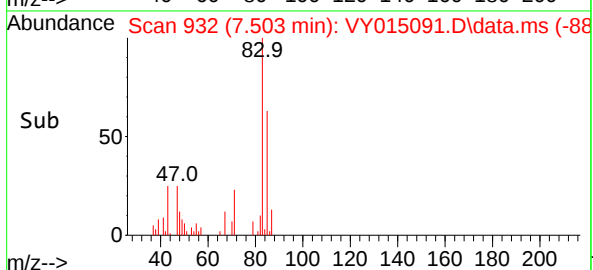
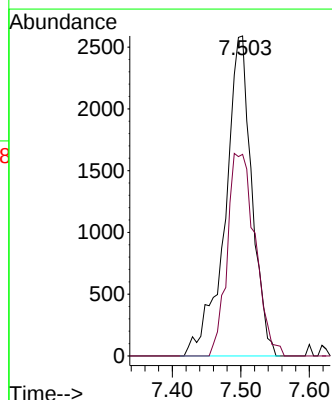
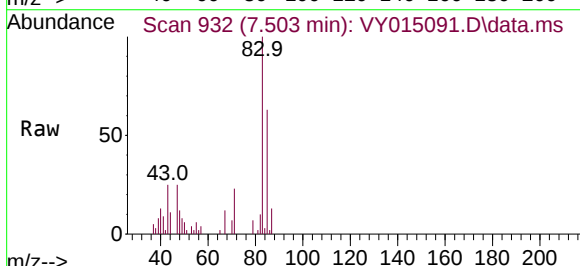
Acq: 14 Aug 2023 19:57

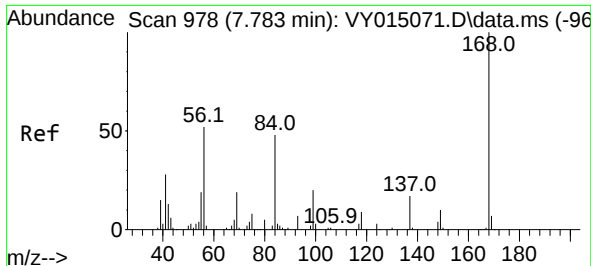
Tgt Ion: 83 Resp: 6995

Ion Ratio Lower Upper

83 100

85 63.0 49.7 74.5

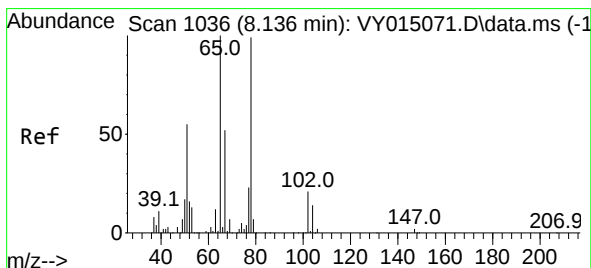
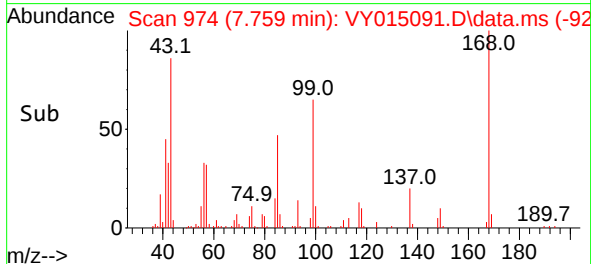
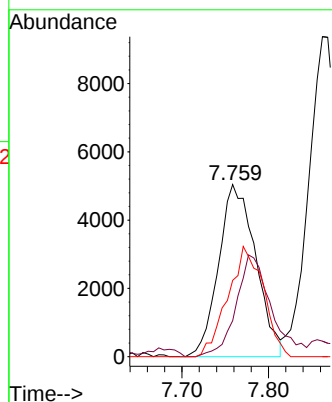
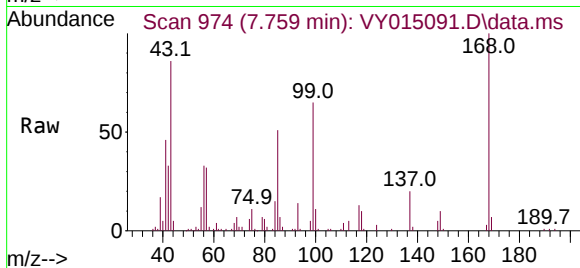




#31
Cyclohexane
Concen: 7.636 ug/l
RT: 7.759 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY015091.D
Acq: 14 Aug 2023 19:57

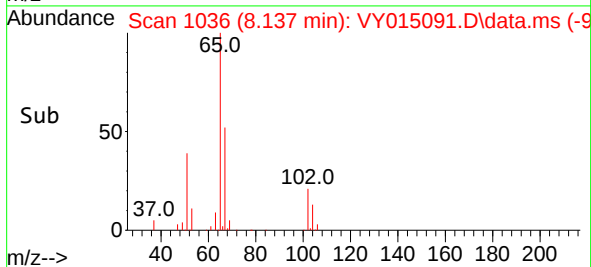
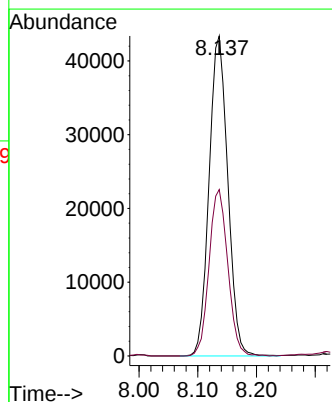
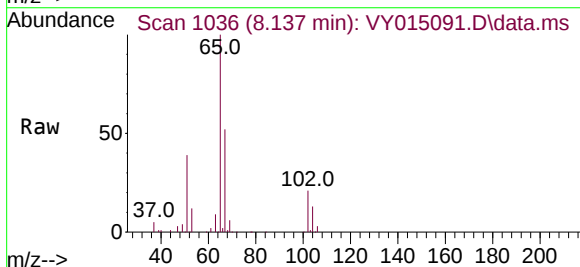
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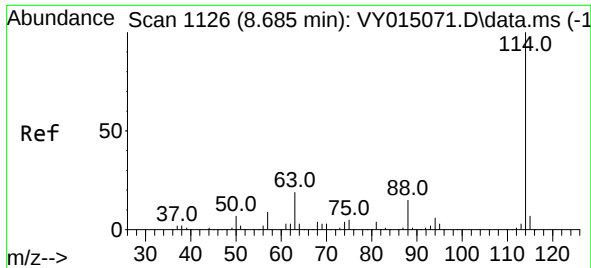
Tgt Ion: 56 Resp: 15015
Ion Ratio Lower Upper
56 100
69 18.7 27.8 41.6#
84 44.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 55.912 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015091.D
Acq: 14 Aug 2023 19:57

Tgt Ion: 65 Resp: 95912
Ion Ratio Lower Upper
65 100
67 52.2 0.0 101.8

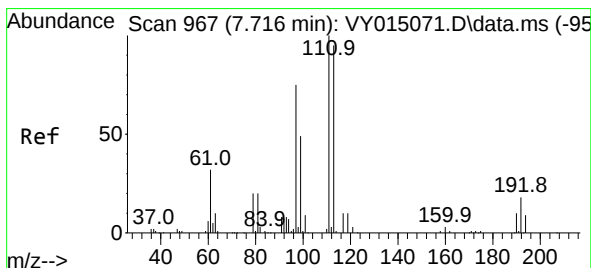
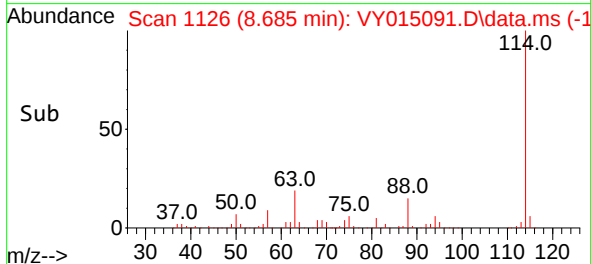
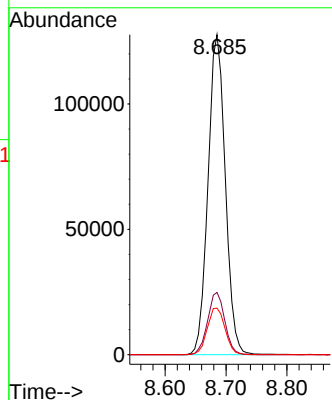
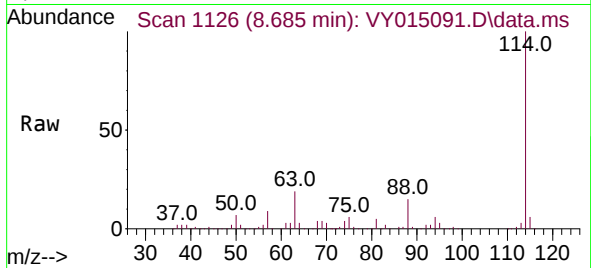




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY015091.D
Acq: 14 Aug 2023 19:57

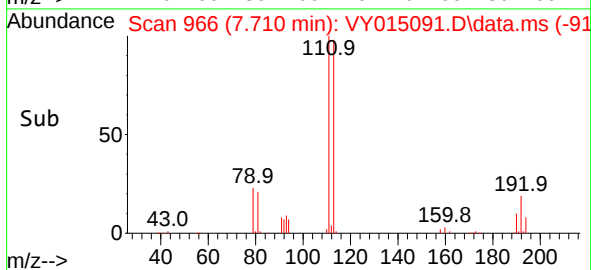
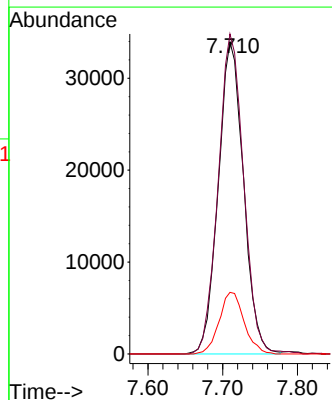
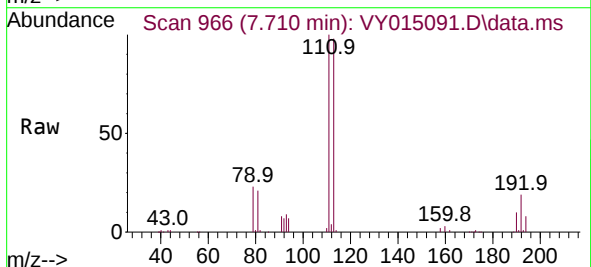
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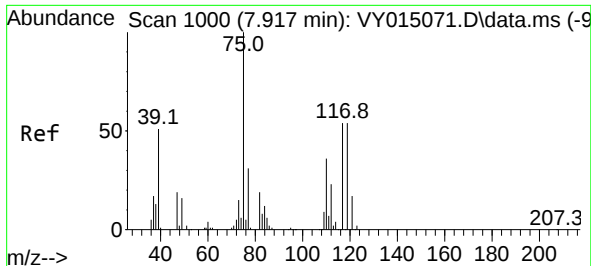
Tgt Ion:114 Resp: 251510
Ion Ratio Lower Upper
114 100
63 19.5 0.0 42.4
88 14.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.201 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY015091.D
Acq: 14 Aug 2023 19:57

Tgt Ion:113 Resp: 79609
Ion Ratio Lower Upper
113 100
111 103.6 81.3 121.9
192 19.6 16.9 25.3

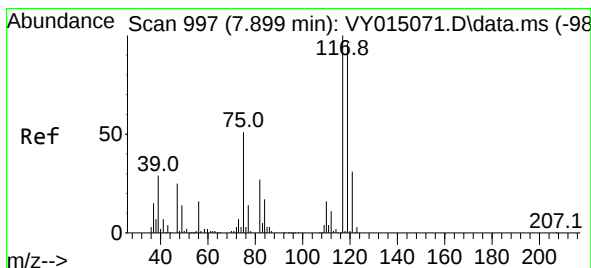
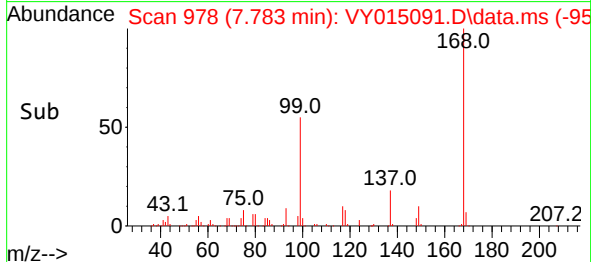
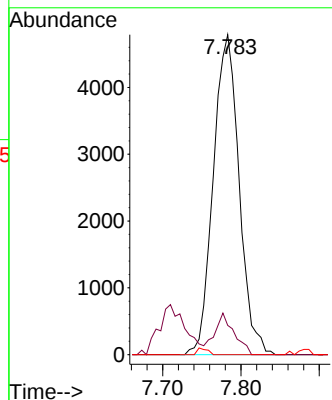
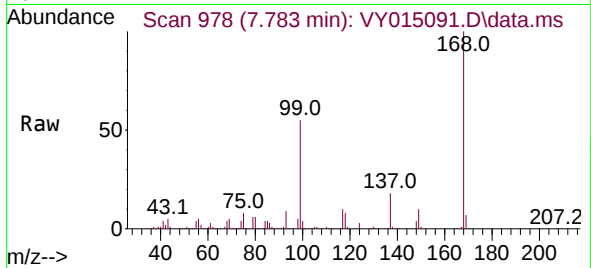




#36
1,1-Dichloropropene
Concen: 6.129 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY015091.D
Acq: 14 Aug 2023 19:57

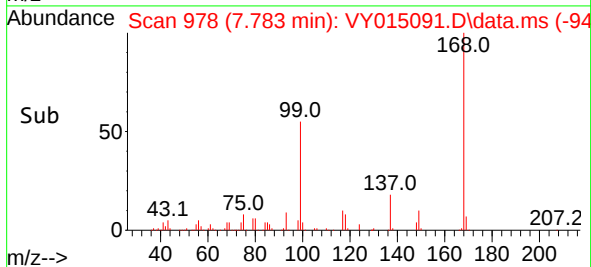
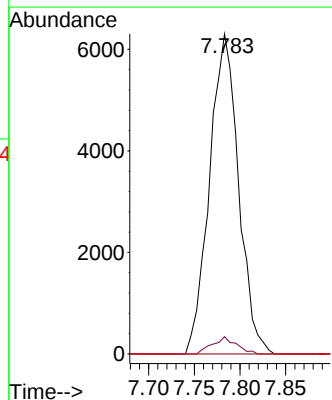
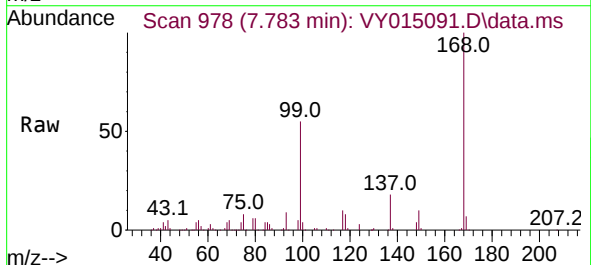
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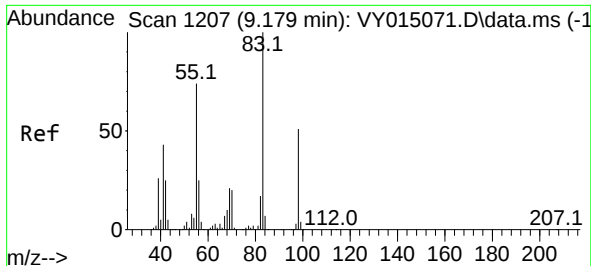
Tgt Ion: 75 Resp: 10972
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.581 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY015091.D
Acq: 14 Aug 2023 19:57

Tgt Ion: 117 Resp: 13942
Ion Ratio Lower Upper
117 100
119 5.4 76.4 114.6#
121 0.0 25.8 38.6#





#39

Methylcyclohexane

Concen: 4.023 ug/l

RT: 9.179 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY015091.D

Acq: 14 Aug 2023 19:57

Instrument :

MSVOA_Y

ClientSampleId :

MW-08

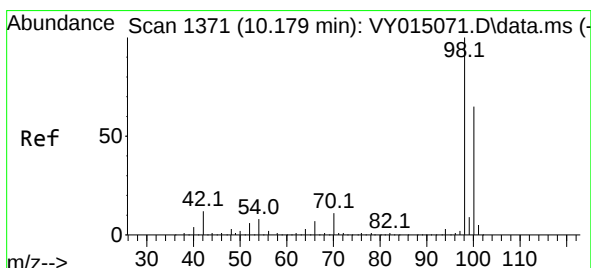
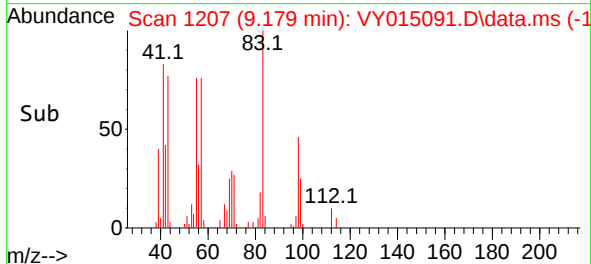
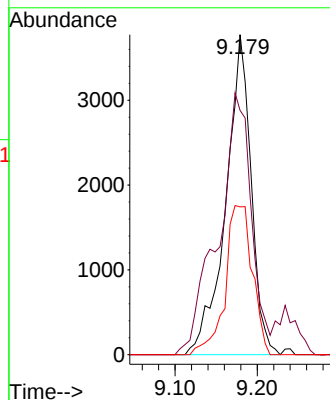
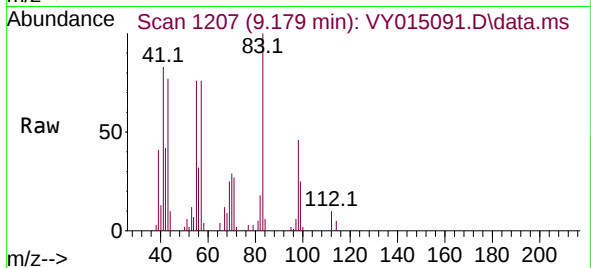
Tgt Ion: 83 Resp: 8073

Ion Ratio Lower Upper

83 100

55 74.5 63.0 94.4

98 46.2 37.4 56.2



#50

Toluene-d8

Concen: 50.001 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.006 min

Lab File: VY015091.D

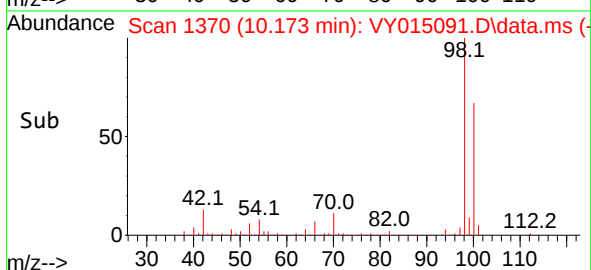
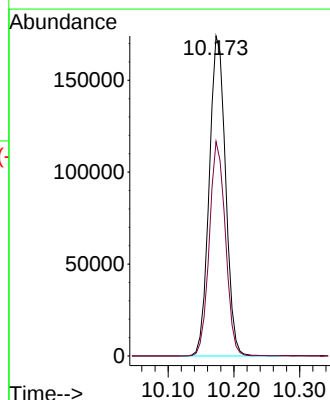
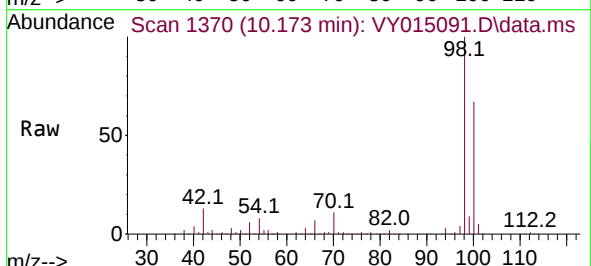
Acq: 14 Aug 2023 19:57

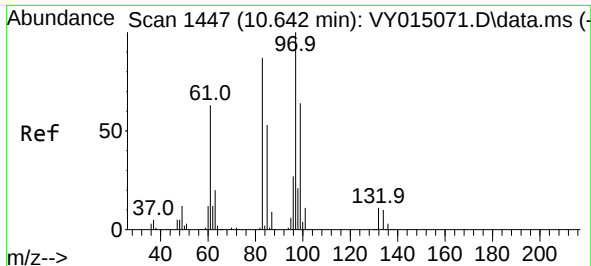
Tgt Ion: 98 Resp: 301174

Ion Ratio Lower Upper

98 100

100 65.8 50.1 75.1

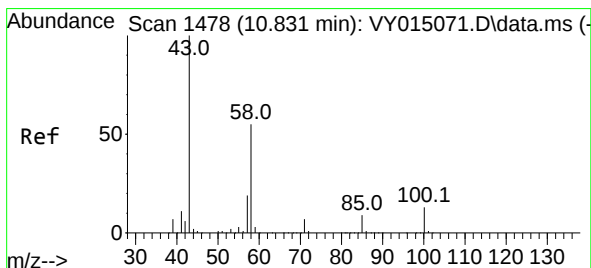
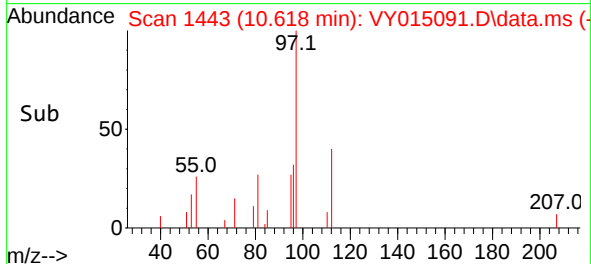
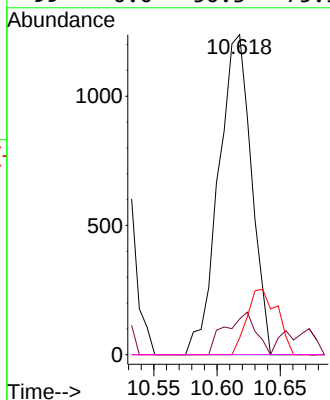
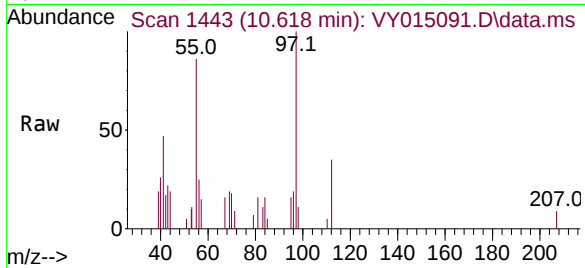




#55
1,1,2-Trichloroethane
Concen: 1.530 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.024 min
Lab File: VY015091.D
Acq: 14 Aug 2023 19:57

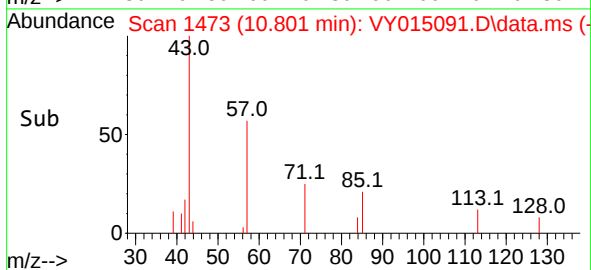
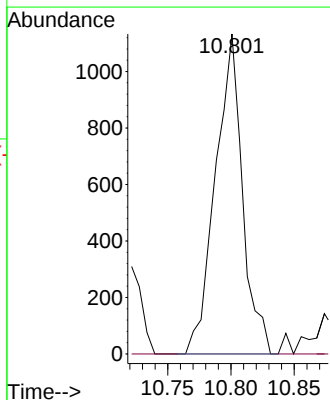
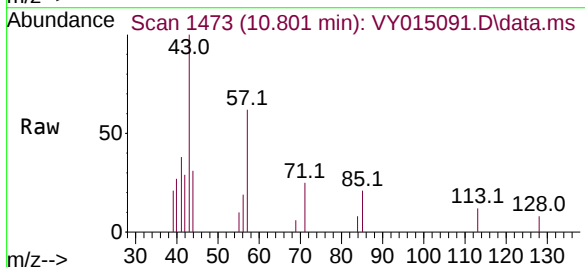
Instrument :
MSVOA_Y
ClientSampleId :
MW-08

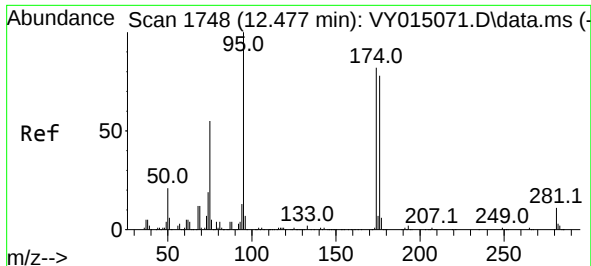
Tgt Ion:	97	Resp:	2239
Ion	Ratio	Lower	Upper
97	100		
83	11.1	72.0	108.0#
85	5.3	45.4	68.0#
99	0.0	50.3	75.5#



#59
2-Hexanone
Concen: 1.292 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.030 min
Lab File: VY015091.D
Acq: 14 Aug 2023 19:57

Tgt Ion:	43	Resp:	1684
Ion	Ratio	Lower	Upper
43	100		
58	0.0	25.1	75.3#





#62

4-Bromofluorobenzene

Concen: 51.068 ug/l

RT: 12.477 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015091.D

Acq: 14 Aug 2023 19:57

Instrument :

MSVOA_Y

ClientSampleId :

MW-08

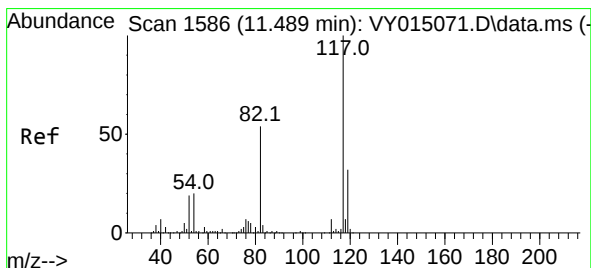
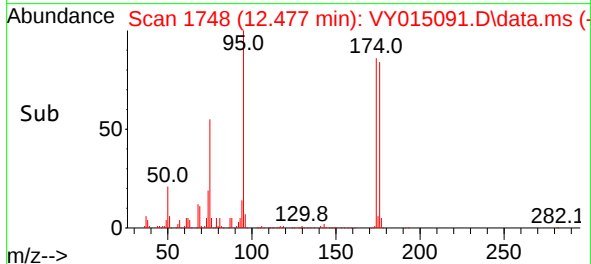
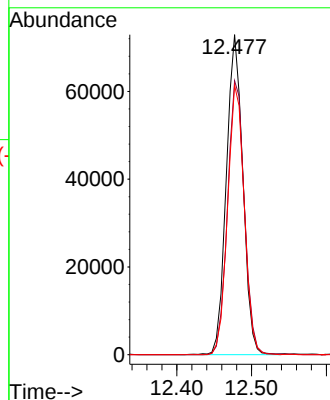
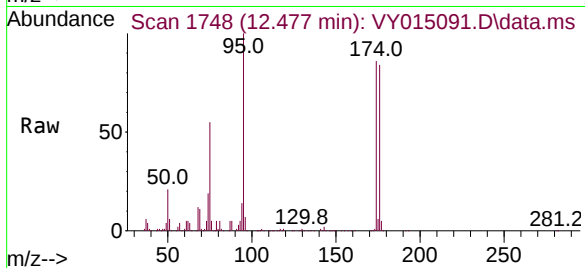
Tgt Ion: 95 Resp: 112350

Ion Ratio Lower Upper

95 100

174 87.3 0.0 178.2

176 84.7 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 1585

Delta R.T. -0.006 min

Lab File: VY015091.D

Acq: 14 Aug 2023 19:57

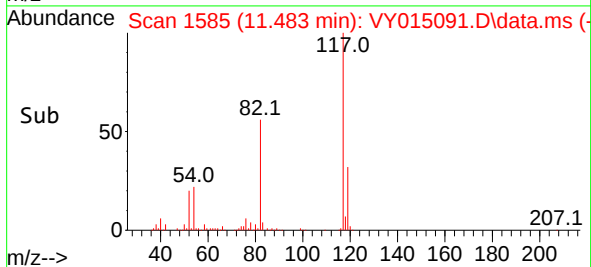
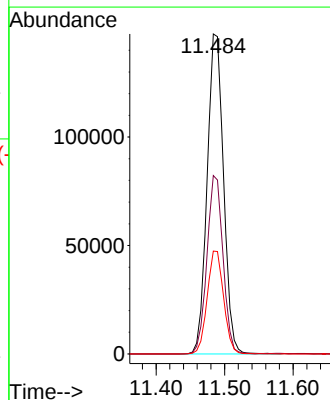
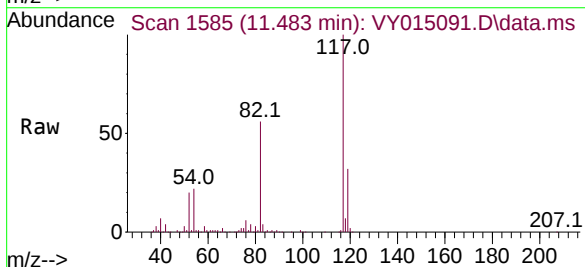
Tgt Ion: 117 Resp: 246423

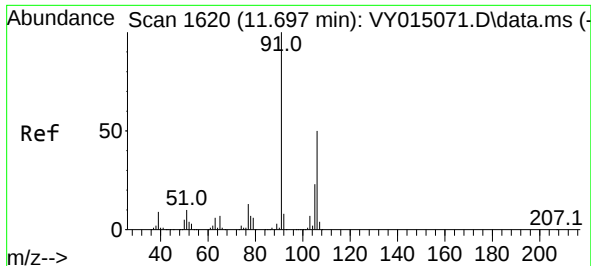
Ion Ratio Lower Upper

117 100

82 55.7 43.4 65.0

119 32.1 26.3 39.5

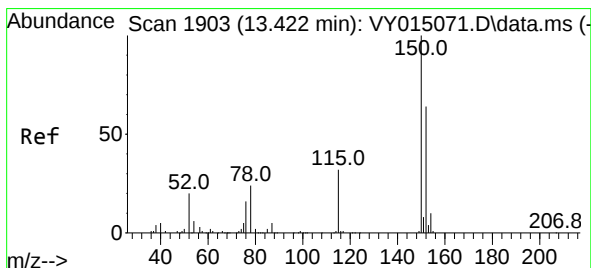
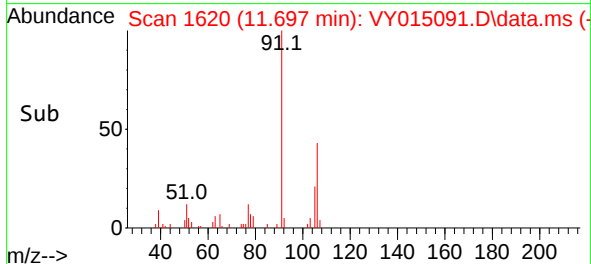
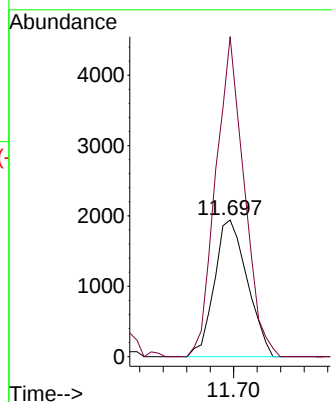
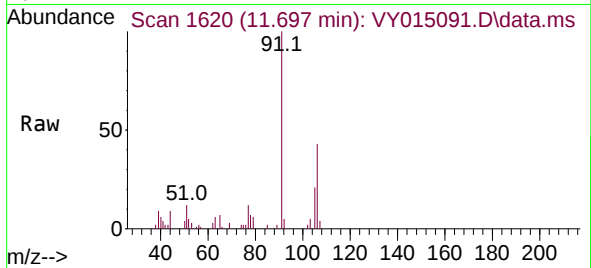




#68
m/p-Xylenes
Concen: 1.267 ug/l
RT: 11.697 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015091.D
Acq: 14 Aug 2023 19:57

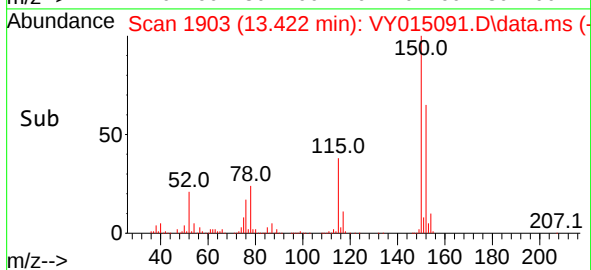
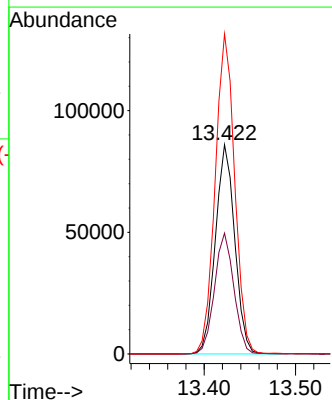
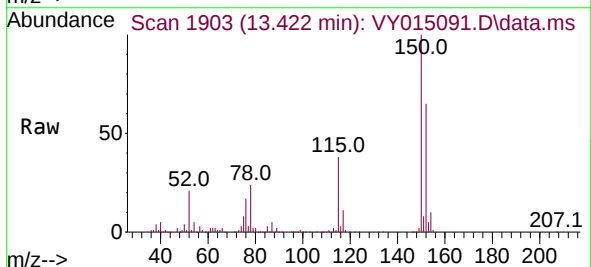
Instrument :
MSVOA_Y
ClientSampleId :
MW-08

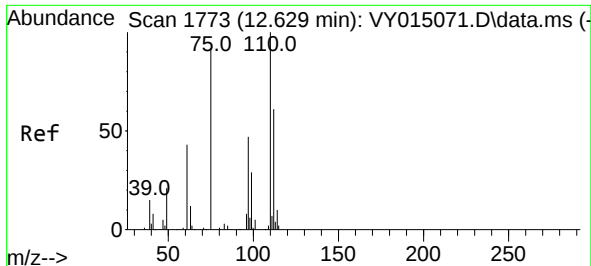
Tgt Ion:106 Resp: 3787
Ion Ratio Lower Upper
106 100
91 202.0 166.1 249.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015091.D
Acq: 14 Aug 2023 19:57

Tgt Ion:152 Resp: 126820
Ion Ratio Lower Upper
152 100
115 57.8 28.8 86.5
150 154.2 0.0 348.8

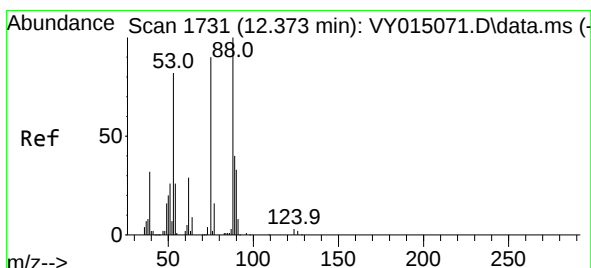
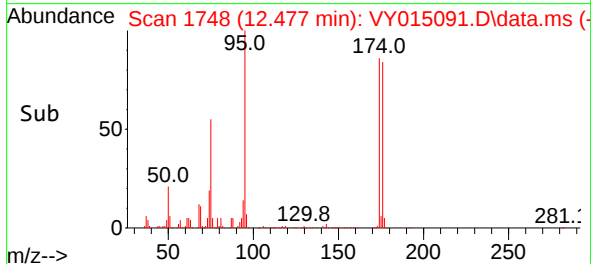
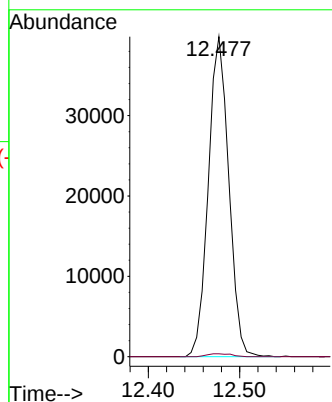
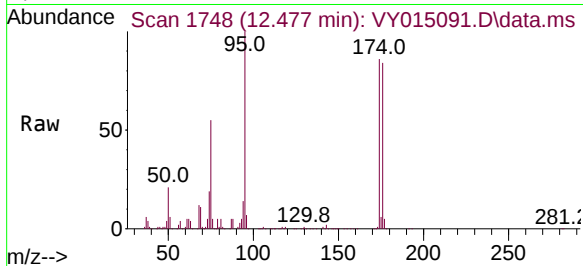




#76
1,2,3-Trichloropropane
Concen: 40.116 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015091.D
Acq: 14 Aug 2023 19:57

Instrument :
MSVOA_Y
ClientSampleId :
MW-08

Tgt Ion: 75 Resp: 61809
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.113 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015091.D
Acq: 14 Aug 2023 19:57

Tgt Ion: 75 Resp: 61809
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

