

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
 Data File : VY015090.D
 Acq On : 14 Aug 2023 19:33
 Operator : SY/MD
 Sample : 03903-02
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MW-02

Quant Time: Aug 15 02:24:38 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)

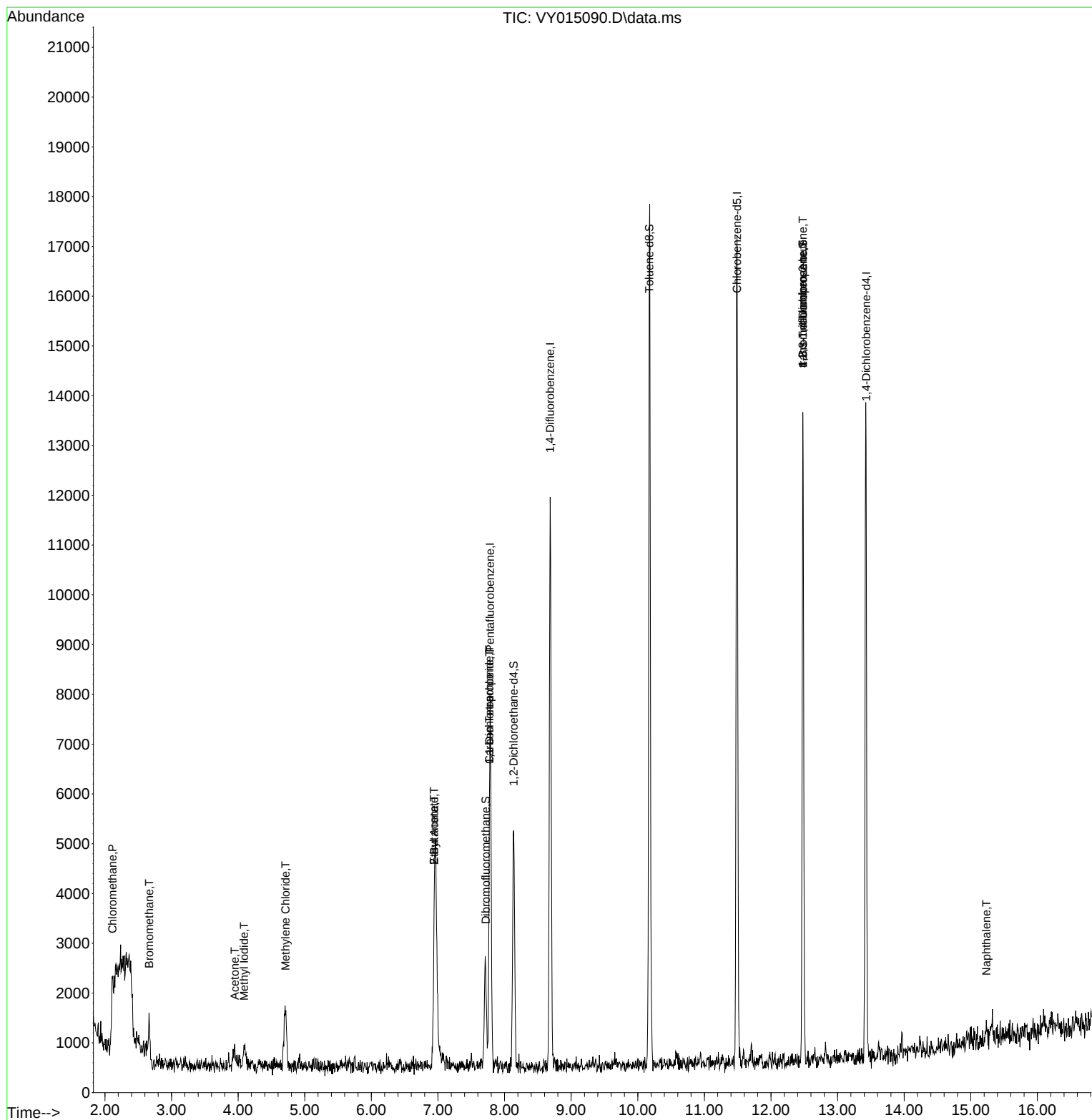
Internal Standards						
1) Pentafluorobenzene	7.783	168	5988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	10151	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	9681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3895	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	3978	55.342	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.680%	
35) Dibromofluoromethane	7.716	113	1825	27.946	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 55.900%	
50) Toluene-d8	10.173	98	11603	47.729	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.460%	
62) 4-Bromofluorobenzene	12.477	95	3968	44.689	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 89.380%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	345	6.311	ug/l	96
5) Bromomethane	2.662	94	497	12.904	ug/l	88
10) Methyl Iodide	4.088	142	803	16.389	ug/l #	76
11) Tert butyl alcohol	4.918	59	121	Below Cal	#	89
16) Acetone	3.948	43	771	32.833	ug/l #	84
20) Methylene Chloride	4.710	84	933	13.410	ug/l #	65
25) 2-Butanone	6.942	43	206	6.196	ug/l #	49
36) 1,1-Dichloropropene	7.771	75	423	5.855	ug/l #	41
37) Ethyl Acetate	6.942	43	206	3.059	ug/l #	71
38) Carbon Tetrachloride	7.771	117	643	7.520	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	2145	45.328	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	2145	99.563	ug/l #	10
95) Naphthalene	15.233	128	402	2.222	ug/l #	69

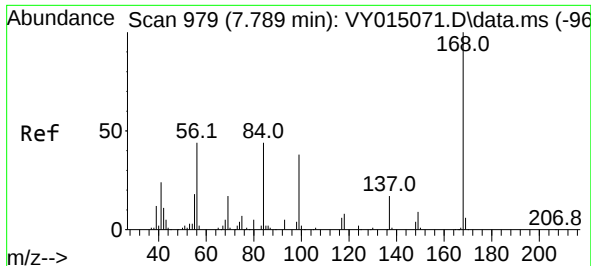
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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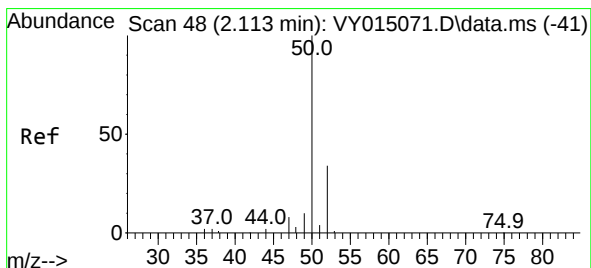
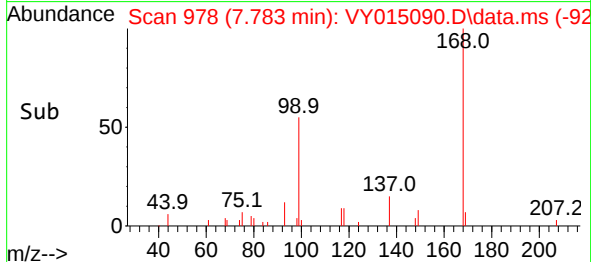
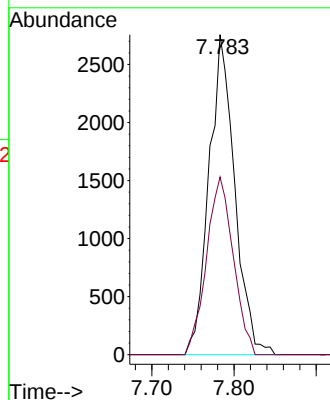
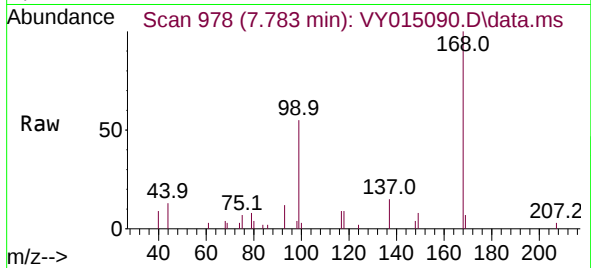




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015090.D
Acq: 14 Aug 2023 19:33

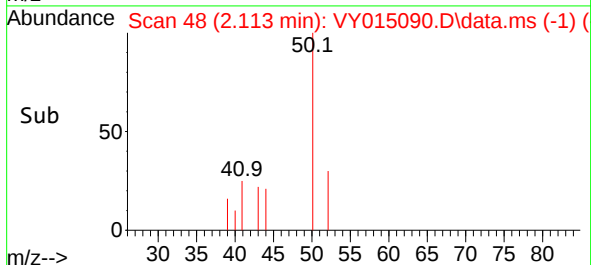
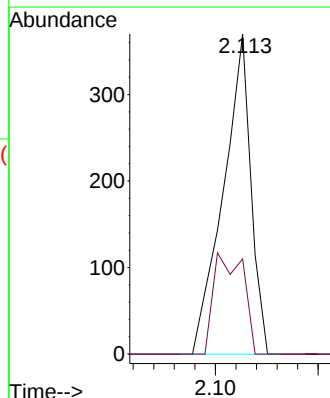
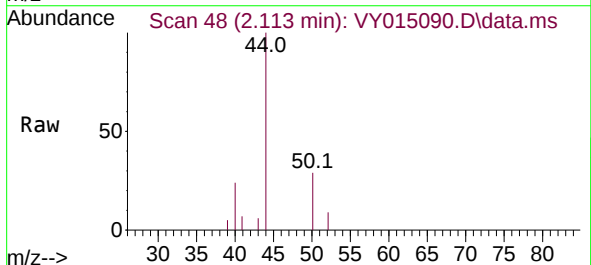
Instrument :
MSVOA_Y
ClientSampleId :
MW-02

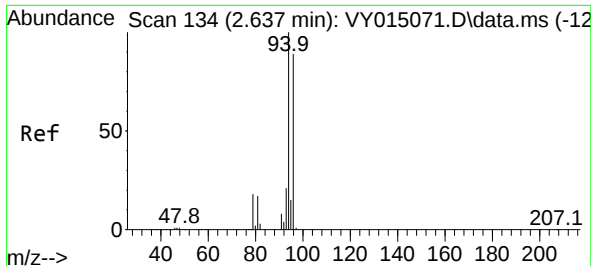
Tgt Ion:168 Resp: 5988
Ion Ratio Lower Upper
168 100
99 55.5 43.4 65.0



#3
Chloromethane
Concen: 6.311 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY015090.D
Acq: 14 Aug 2023 19:33

Tgt Ion: 50 Resp: 345
Ion Ratio Lower Upper
50 100
52 29.7 25.4 38.2

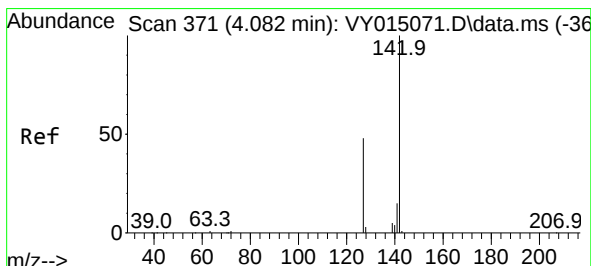
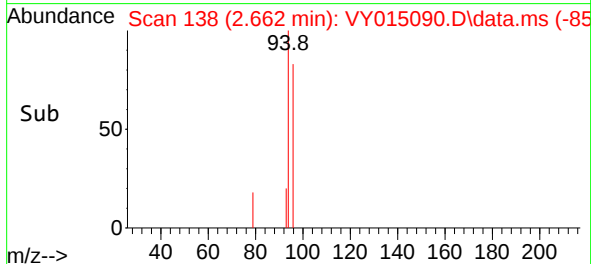
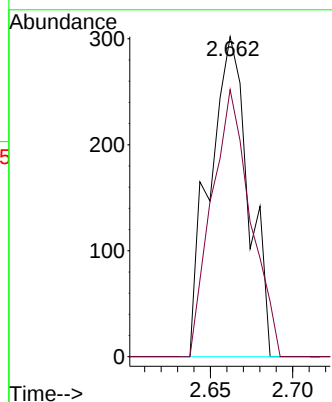
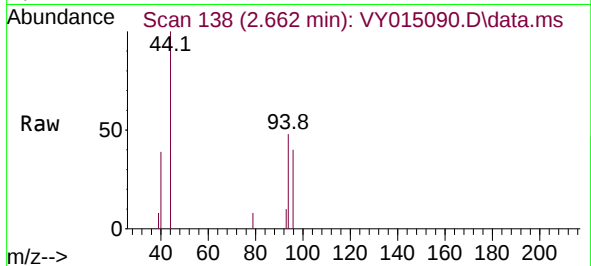




#5
Bromomethane
Concen: 12.904 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY015090.D
Acq: 14 Aug 2023 19:33

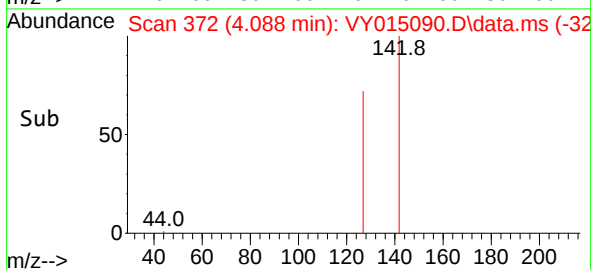
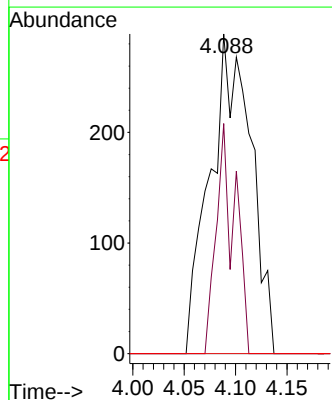
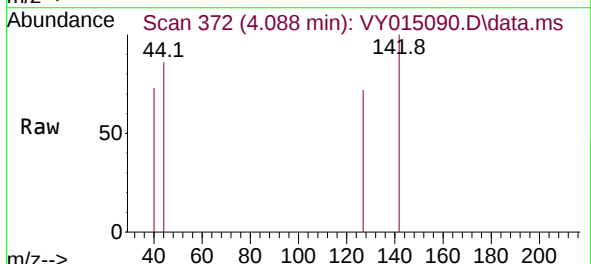
Instrument :
MSVOA_Y
ClientSampleId :
MW-02

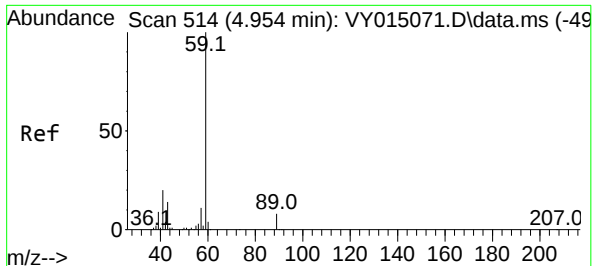
Tgt Ion: 94 Resp: 497
Ion Ratio Lower Upper
94 100
96 83.4 75.8 113.6



#10
Methyl Iodide
Concen: 16.389 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY015090.D
Acq: 14 Aug 2023 19:33

Tgt Ion:142 Resp: 803
Ion Ratio Lower Upper
142 100
127 33.1 37.6 56.4#
141 0.0 11.8 17.8#

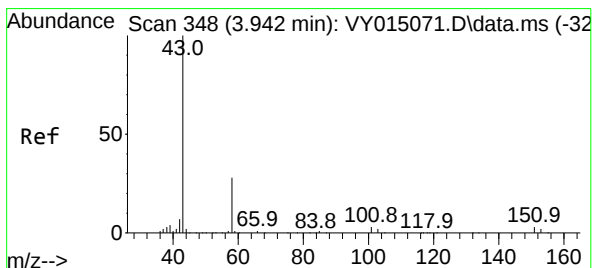
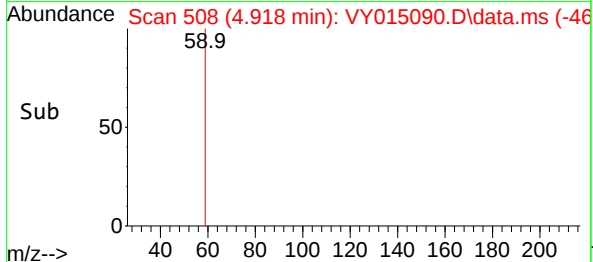
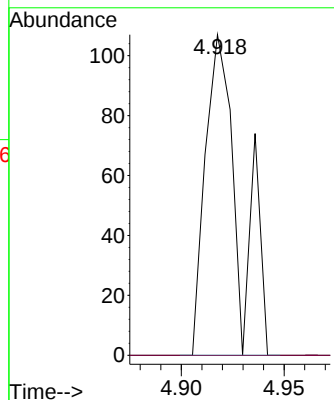
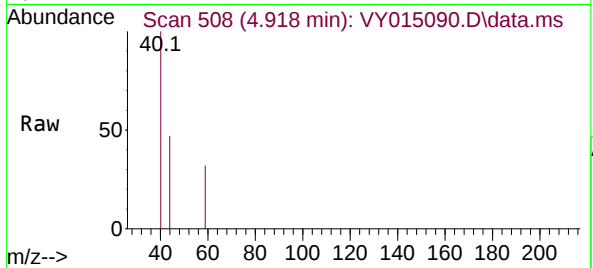




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.030 min
Lab File: VY015090.D
Acq: 14 Aug 2023 19:33

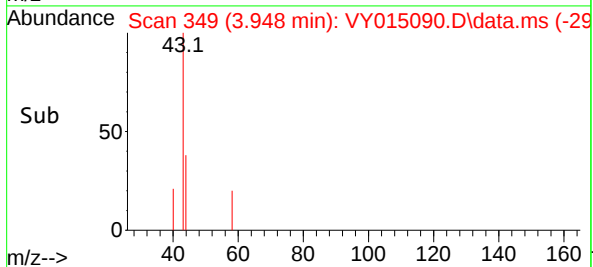
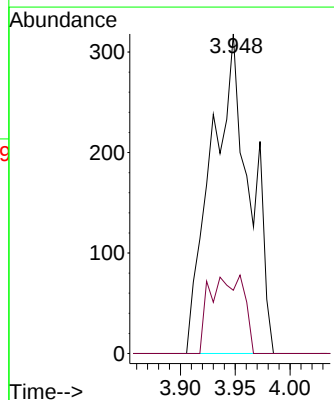
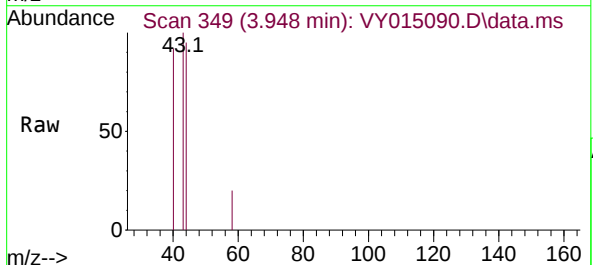
Instrument :
MSVOA_Y
ClientSampleId :
MW-02

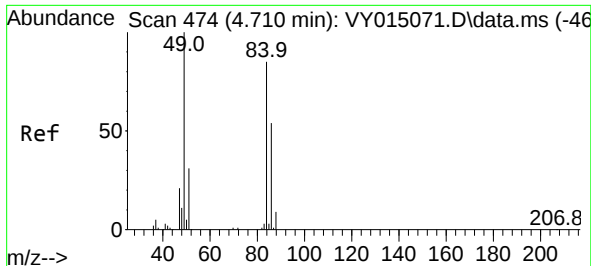
Tgt Ion: 59 Resp: 121
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 32.833 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015090.D
Acq: 14 Aug 2023 19:33

Tgt Ion: 43 Resp: 771
Ion Ratio Lower Upper
43 100
58 19.8 22.7 34.1#

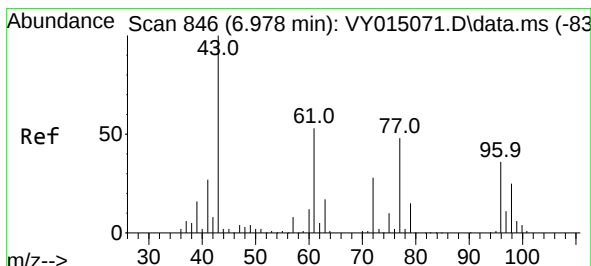
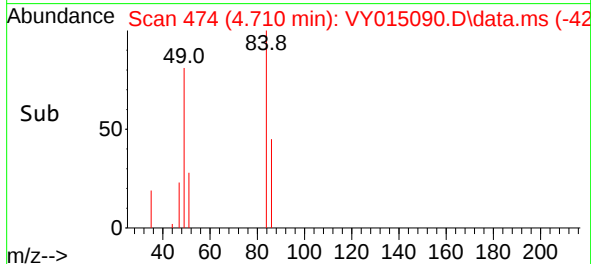
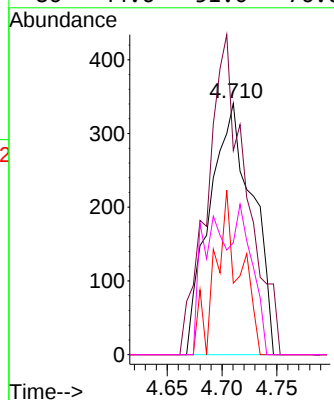
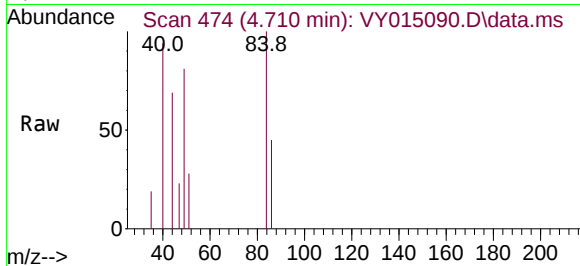




#20
Methylene Chloride
Concen: 13.410 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015090.D
Acq: 14 Aug 2023 19:33

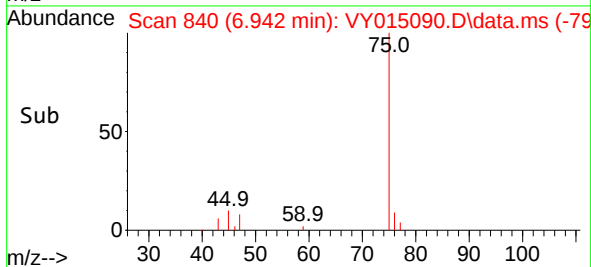
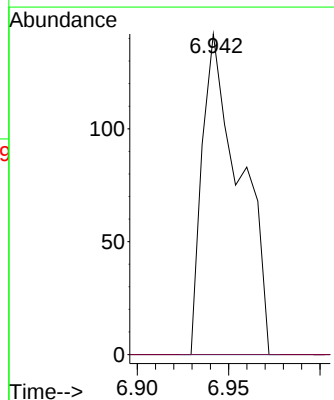
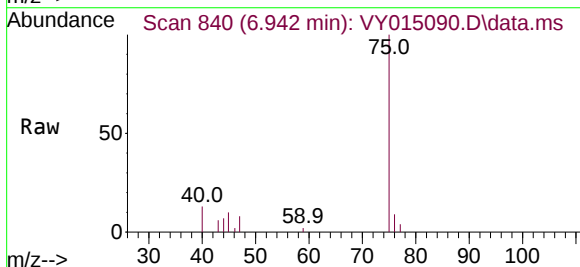
Instrument :
MSVOA_Y
ClientSampleId :
MW-02

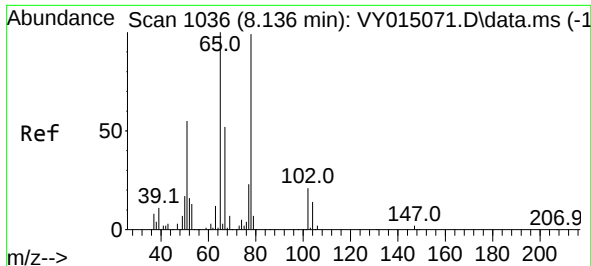
Tgt Ion:	84	Resp:	933
Ion	Ratio	Lower	Upper
84	100		
49	81.2	106.9	160.3#
51	28.4	33.2	49.8#
86	44.6	51.0	76.6#



#25
2-Butanone
Concen: 6.196 ug/l
RT: 6.942 min Scan# 840
Delta R.T. -0.036 min
Lab File: VY015090.D
Acq: 14 Aug 2023 19:33

Tgt Ion:	43	Resp:	206
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#





#33

1,2-Dichloroethane-d4

Concen: 55.342 ug/l

RT: 8.137 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY015090.D

Acq: 14 Aug 2023 19:33

Instrument :

MSVOA_Y

ClientSampleId :

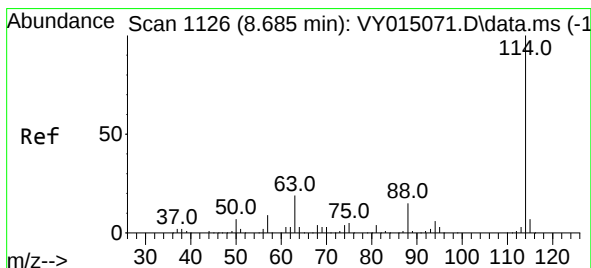
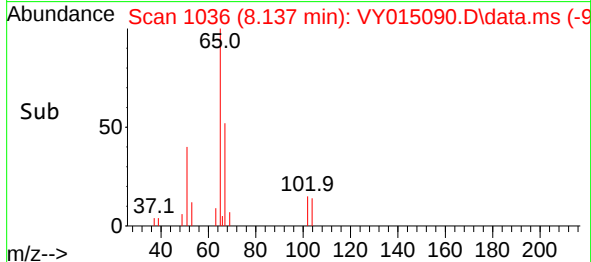
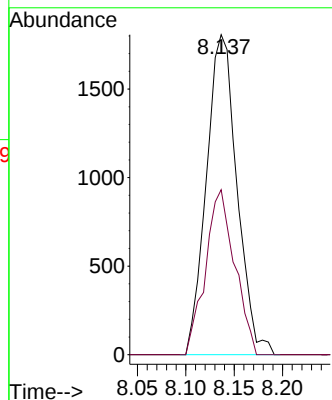
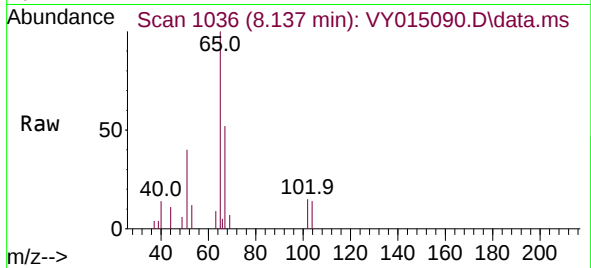
MW-02

Tgt Ion: 65 Resp: 3978

Ion Ratio Lower Upper

65 100

67 49.1 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: VY015090.D

Acq: 14 Aug 2023 19:33

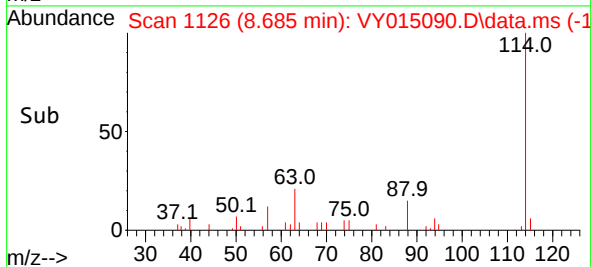
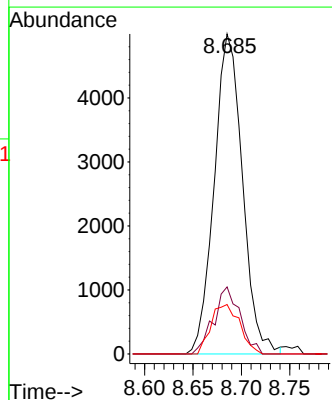
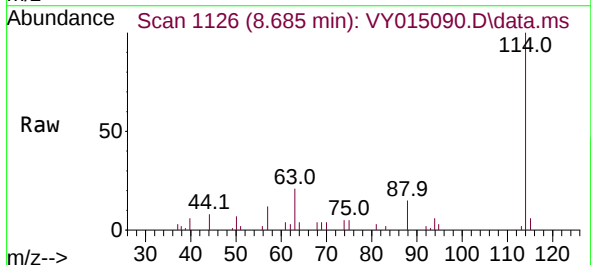
Tgt Ion: 114 Resp: 10151

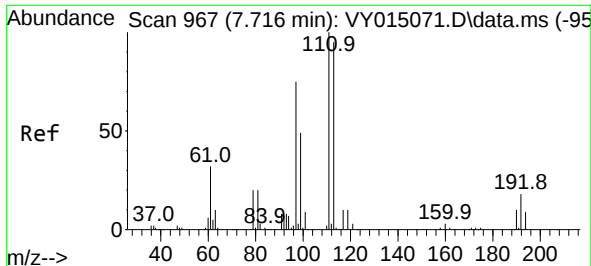
Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.4

88 15.5 0.0 30.6

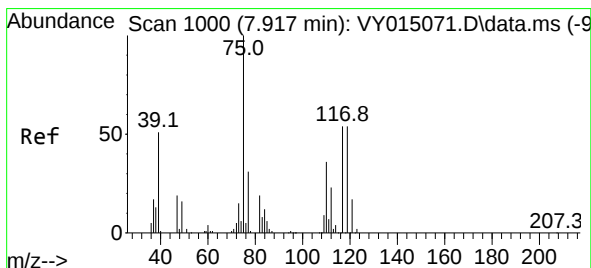
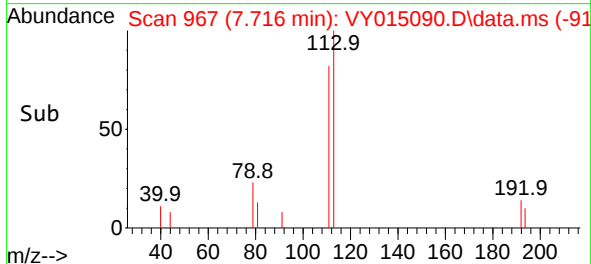
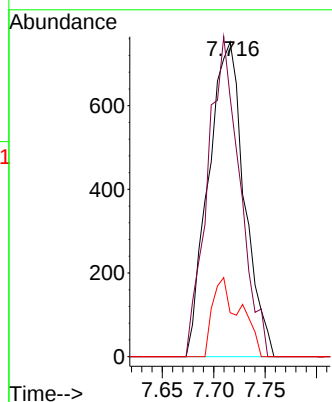
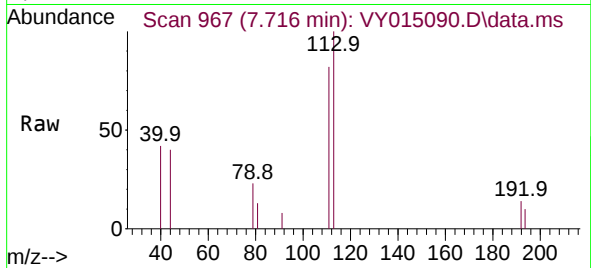




#35
 Dibromofluoromethane
 Concen: 27.946 ug/l
 RT: 7.716 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VY015090.D
 Acq: 14 Aug 2023 19:33

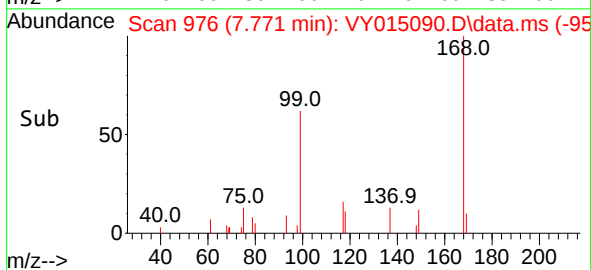
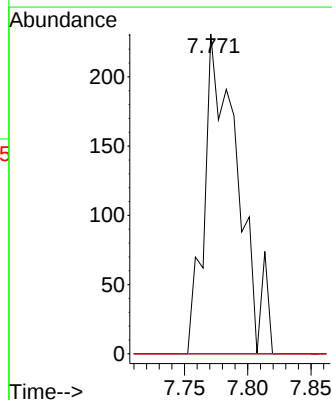
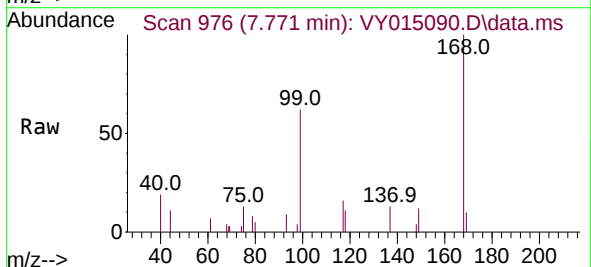
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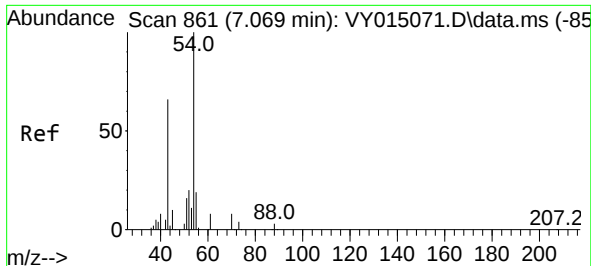
Tgt Ion:	113	Resp:	1825
Ion	Ratio	Lower	Upper
113	100		
111	91.5	81.3	121.9
192	19.1	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 5.855 ug/l
 RT: 7.771 min Scan# 976
 Delta R.T. -0.140 min
 Lab File: VY015090.D
 Acq: 14 Aug 2023 19:33

Tgt Ion:	75	Resp:	423
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.8	53.5#
77	0.0	24.4	36.6#





#37

Ethyl Acetate

Concen: 3.059 ug/l

RT: 6.942 min Scan# 84

Delta R.T. -0.128 min

Lab File: VY015090.D

Acq: 14 Aug 2023 19:33

Instrument :

MSVOA_Y

ClientSampleId :

MW-02

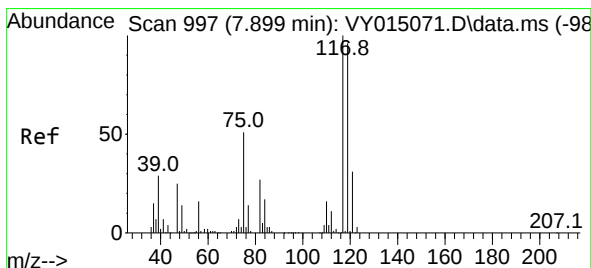
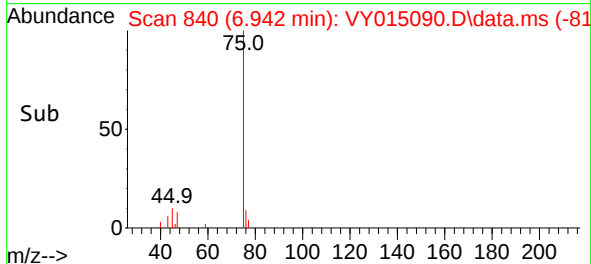
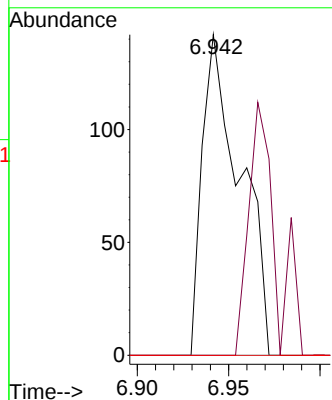
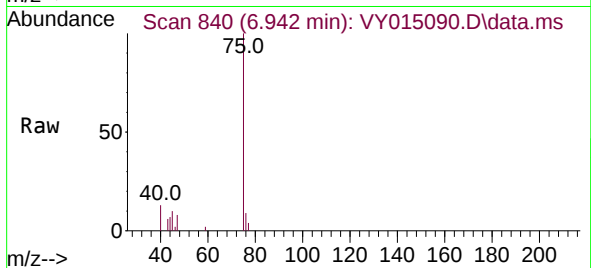
Tgt Ion: 43 Resp: 206

Ion Ratio Lower Upper

43 100

61 0.0 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 7.520 ug/l

RT: 7.771 min Scan# 976

Delta R.T. -0.128 min

Lab File: VY015090.D

Acq: 14 Aug 2023 19:33

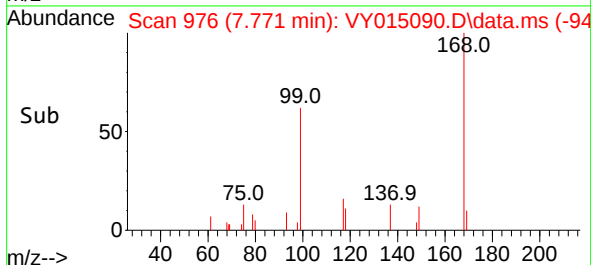
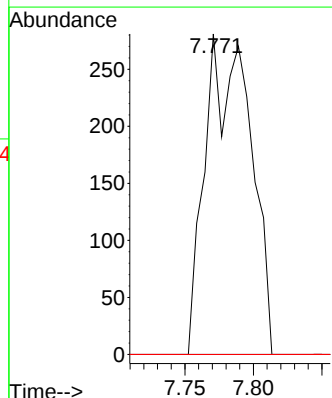
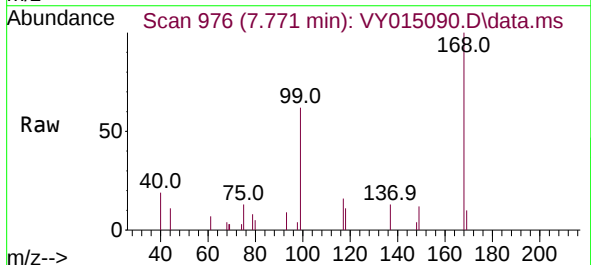
Tgt Ion: 117 Resp: 643

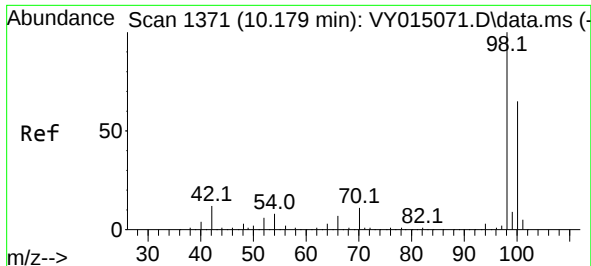
Ion Ratio Lower Upper

117 100

119 0.0 76.4 114.6#

121 0.0 25.8 38.6#

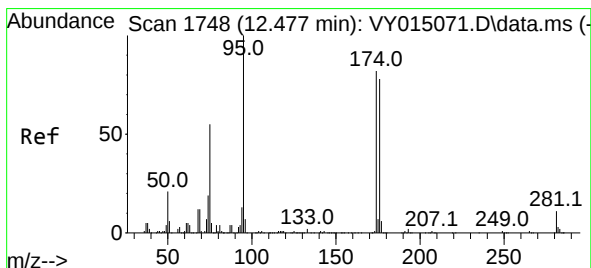
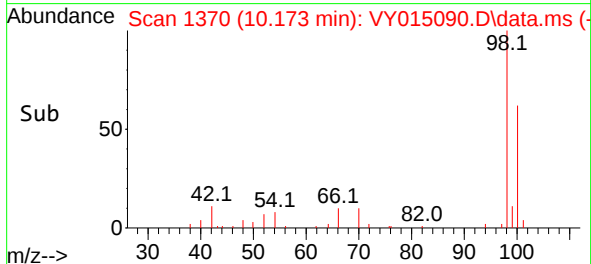
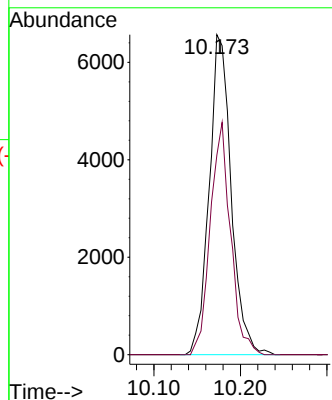
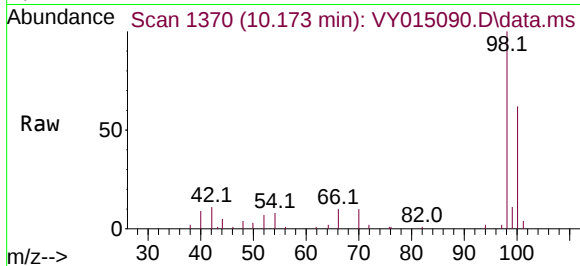




#50
Toluene-d8
Concen: 47.729 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY015090.D
Acq: 14 Aug 2023 19:33

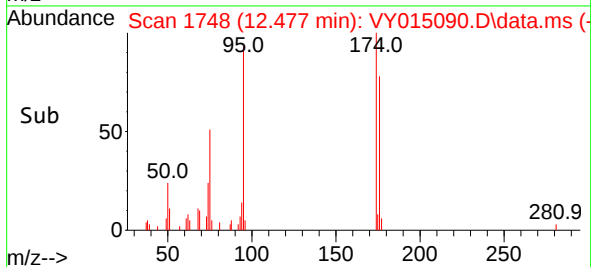
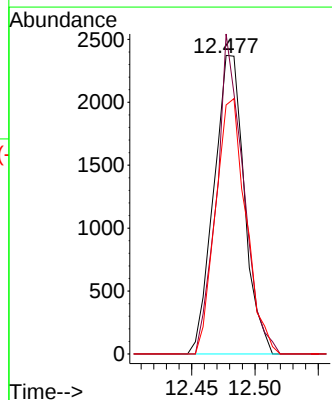
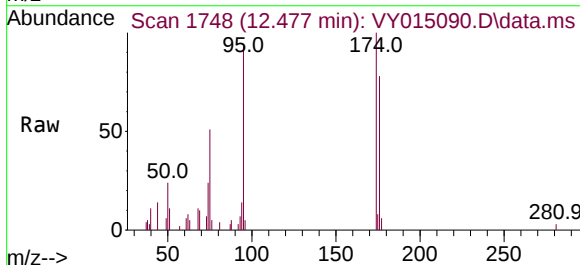
Instrument :
MSVOA_Y
ClientSampleId :
MW-02

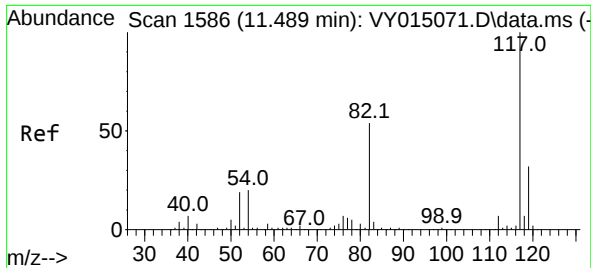
Tgt Ion: 98 Resp: 11603
Ion Ratio Lower Upper
98 100
100 66.7 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 44.689 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015090.D
Acq: 14 Aug 2023 19:33

Tgt Ion: 95 Resp: 3968
Ion Ratio Lower Upper
95 100
174 93.6 0.0 178.2
176 85.4 0.0 173.8

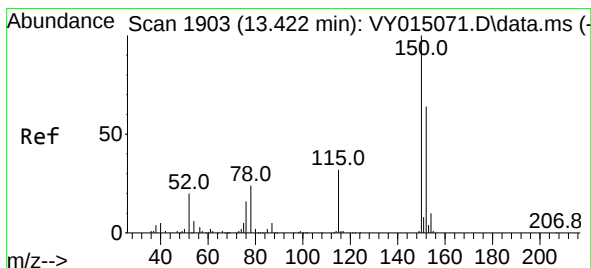
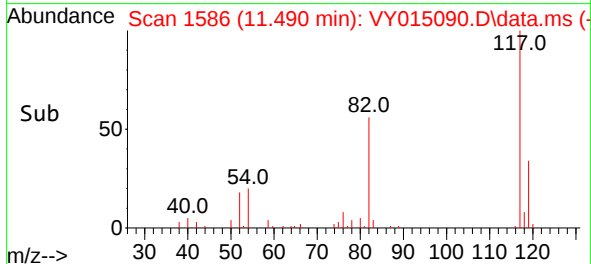
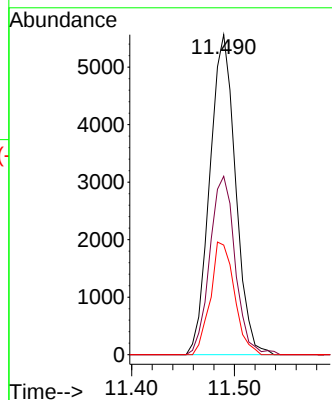
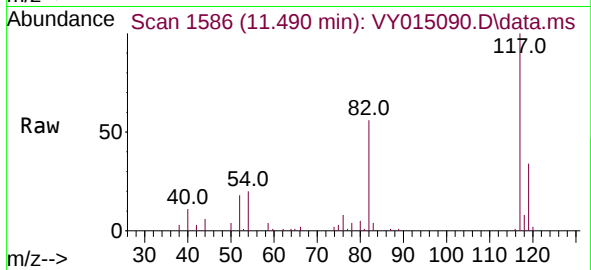




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015090.D
Acq: 14 Aug 2023 19:33

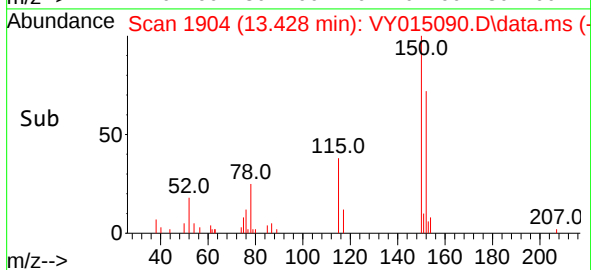
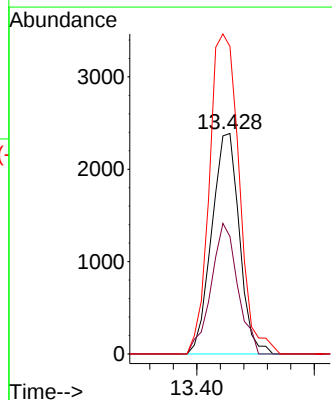
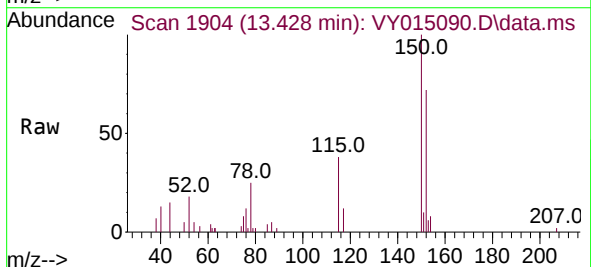
Instrument :
MSVOA_Y
ClientSampleId :
MW-02

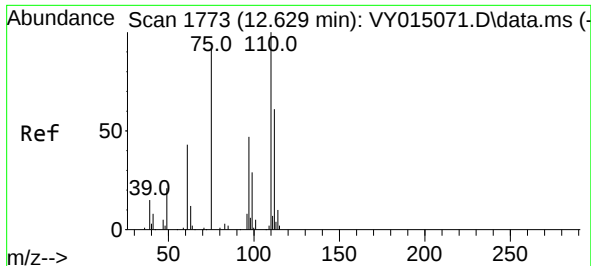
Tgt Ion:117 Resp: 9681
Ion Ratio Lower Upper
117 100
82 55.8 43.4 65.0
119 34.2 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015090.D
Acq: 14 Aug 2023 19:33

Tgt Ion:152 Resp: 3895
Ion Ratio Lower Upper
152 100
115 56.9 28.8 86.5
150 156.1 0.0 348.8

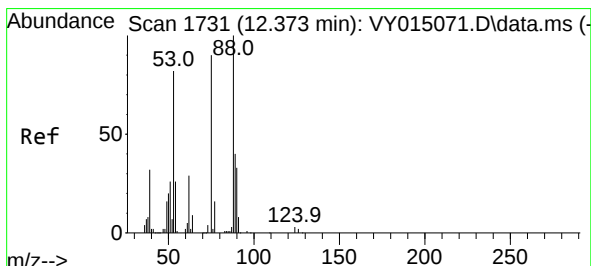
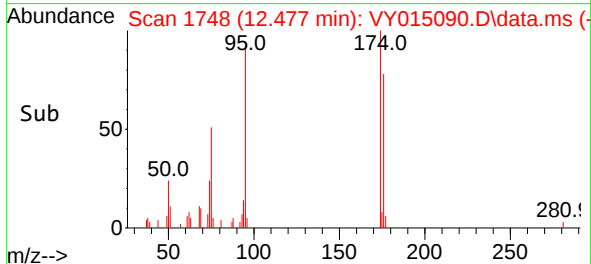
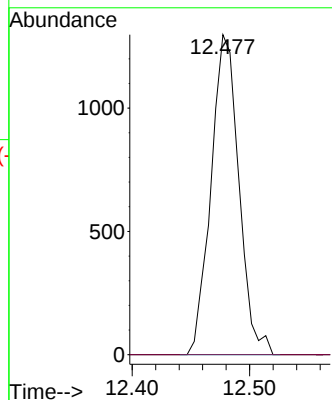
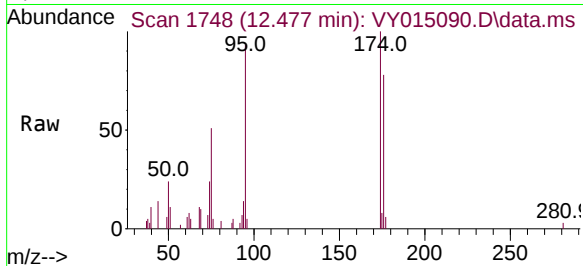




#76
1,2,3-Trichloropropane
Concen: 45.328 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015090.D
Acq: 14 Aug 2023 19:33

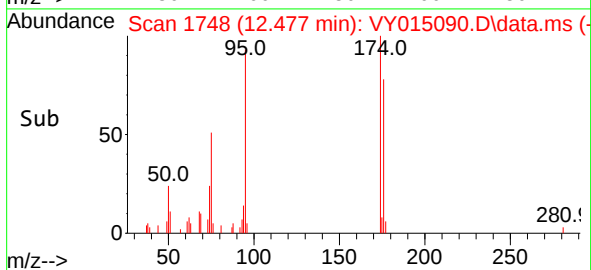
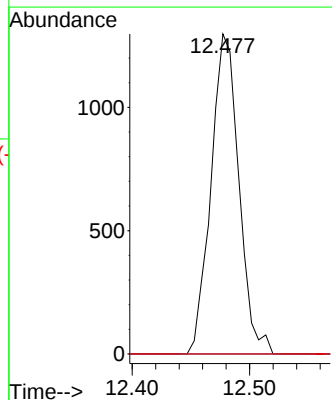
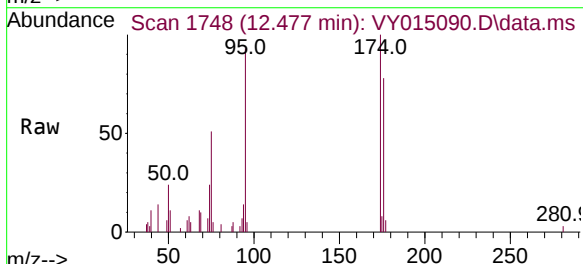
Instrument :
MSVOA_Y
ClientSampleId :
MW-02

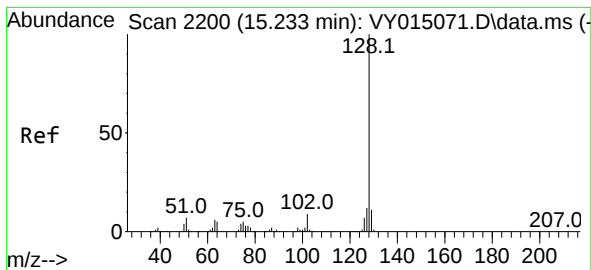
Tgt Ion: 75 Resp: 2145
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 99.563 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015090.D
Acq: 14 Aug 2023 19:33

Tgt Ion: 75 Resp: 2145
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#95

Naphthalene

Concen: 2.222 ug/l

RT: 15.233 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY015090.D

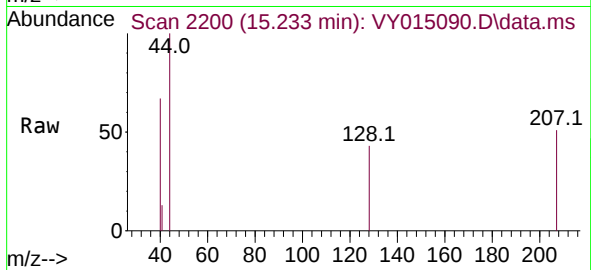
Acq: 14 Aug 2023 19:33

Instrument :

MSVOA_Y

ClientSampleId :

MW-02



Tgt Ion:128 Resp: 402

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.6 13.0#

