

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081723\
 Data File : VY015174.D
 Acq On : 17 Aug 2023 16:05
 Operator : SY/MD
 Sample : 04042-01
 Misc : 5.24g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 18 00:54:43 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)

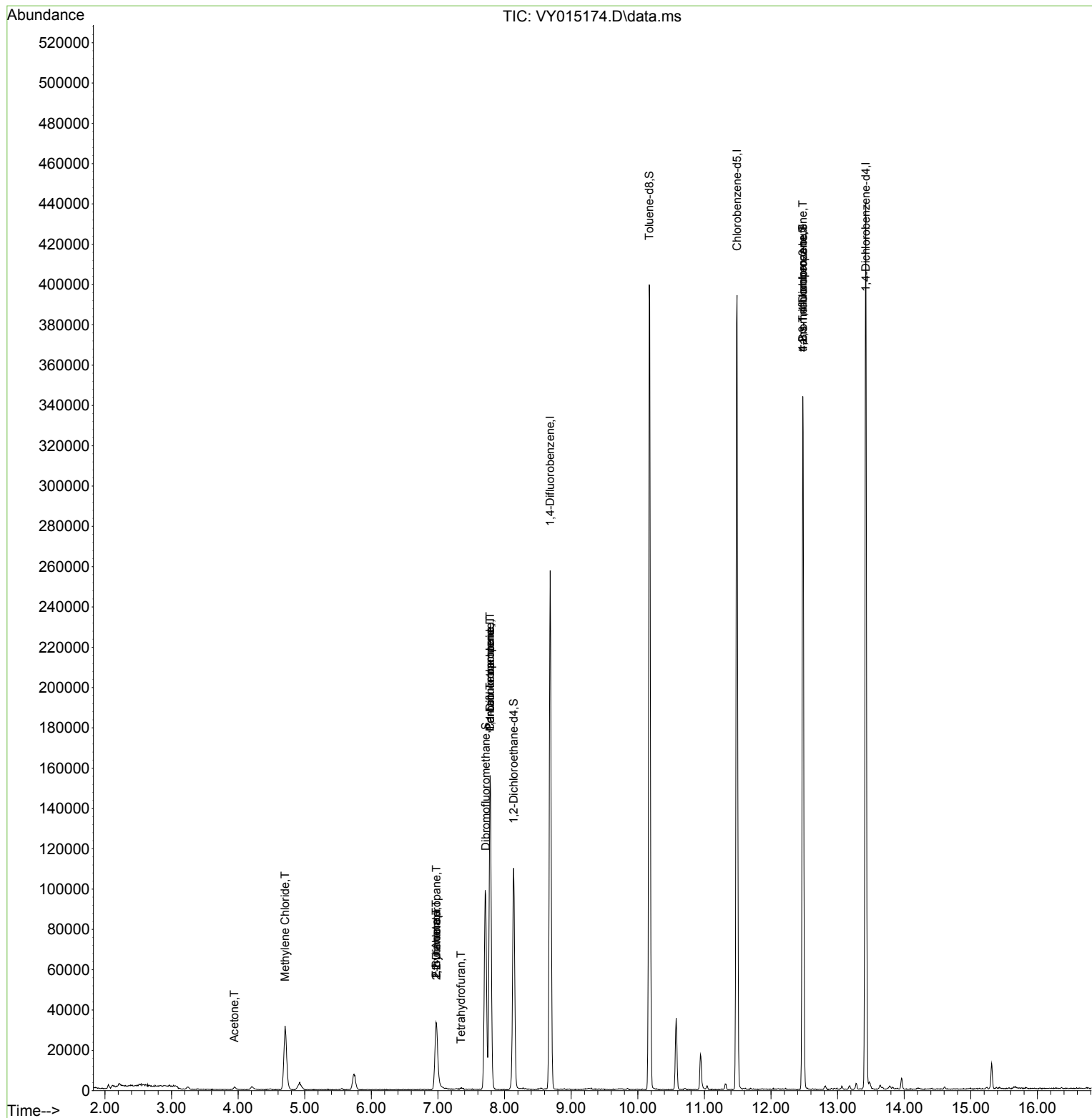
Internal Standards						
1) Pentafluorobenzene	7.783	168	120581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	215602	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	218221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	109615	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	83281	57.536	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.080%	
35) Dibromofluoromethane	7.716	113	69643	50.210	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.420%	
50) Toluene-d8	10.173	98	259367	50.232	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.460%	
62) 4-Bromofluorobenzene	12.477	95	97439	51.667	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.340%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	23	Below Cal	#	43
3) Chloromethane	2.107	50	423	Below Cal	#	70
5) Bromomethane	2.656	94	149	Below Cal	#	65
16) Acetone	3.942	43	2192	4.636	ug/l	98
20) Methylene Chloride	4.704	84	22993	17.469	ug/l	91
25) 2-Butanone	6.972	43	2109	3.150	ug/l #	49
26) 2,2-Dichloropropane	6.978	77	2674	1.380	ug/l #	54
29) Tetrahydrofuran	7.344	42	471	1.177	ug/l #	63
31) Cyclohexane	7.783	56	2529	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	10353	6.747	ug/l #	48
37) Ethyl Acetate	6.972	43	2109	1.474	ug/l #	1
38) Carbon Tetrachloride	7.783	117	12363	6.808	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	53231	39.971	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	53231	87.796	ug/l #	11

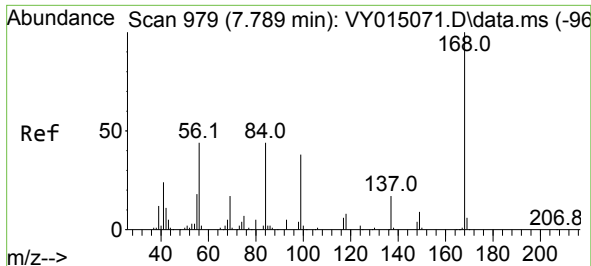
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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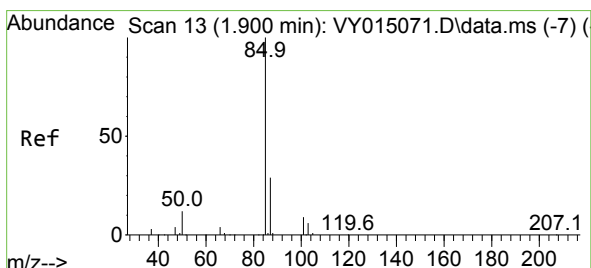
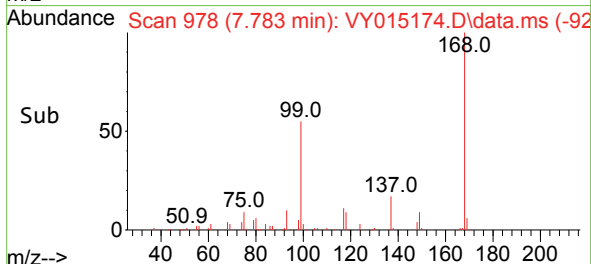
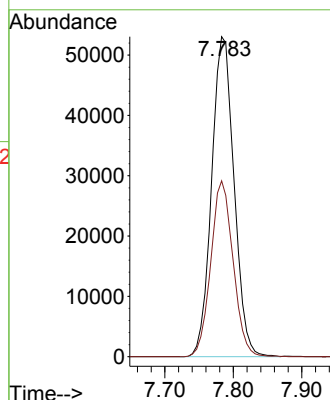
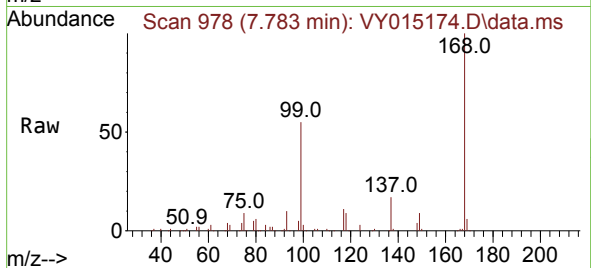




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015174.D
Acq: 17 Aug 2023 16:05

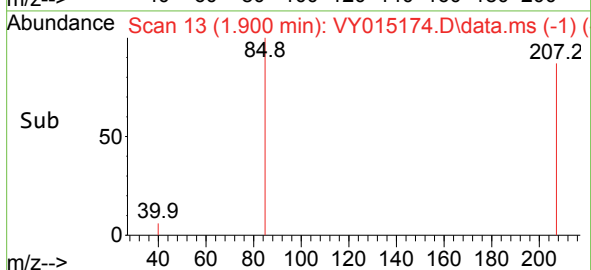
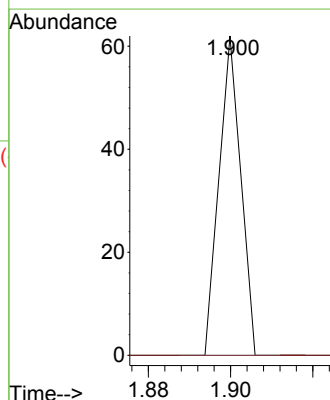
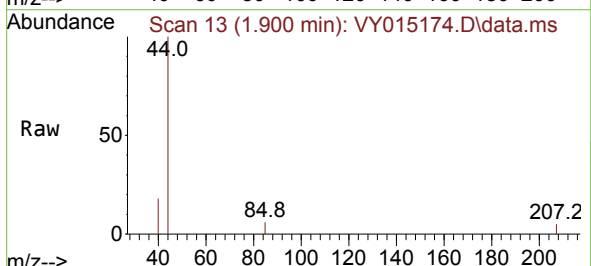
Instrument :
MSVOA_Y
ClientSampleId :

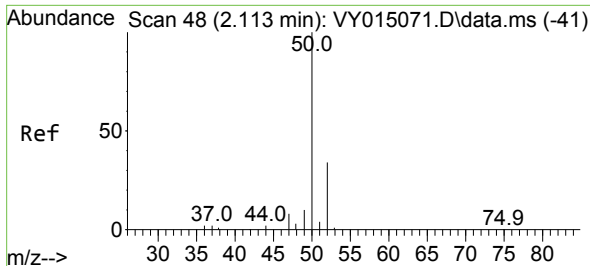
Tgt Ion:168 Resp: 120581
Ion Ratio Lower Upper
168 100
99 55.0 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY015174.D
Acq: 17 Aug 2023 16:05

Tgt Ion: 85 Resp: 23
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

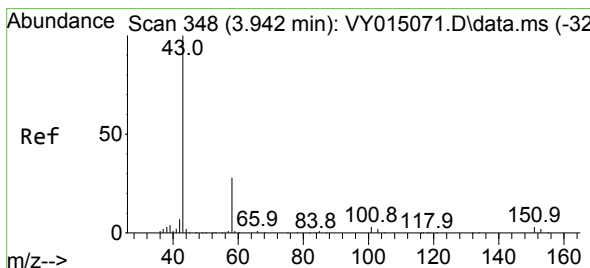
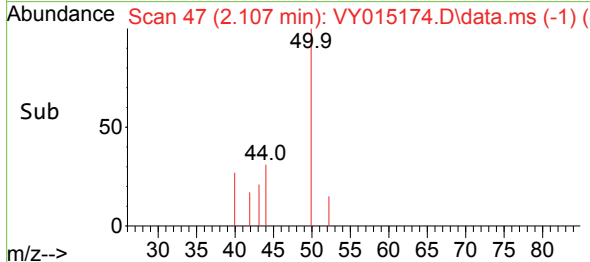
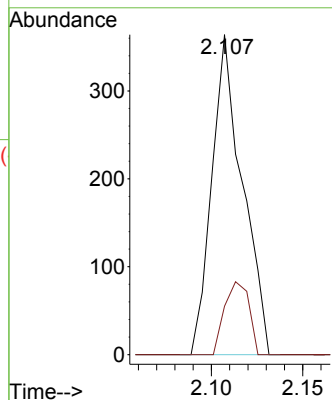
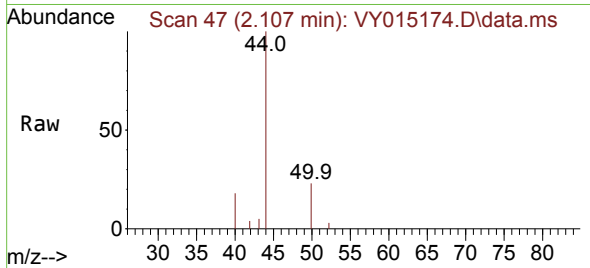




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015174.D
Acq: 17 Aug 2023 16:05

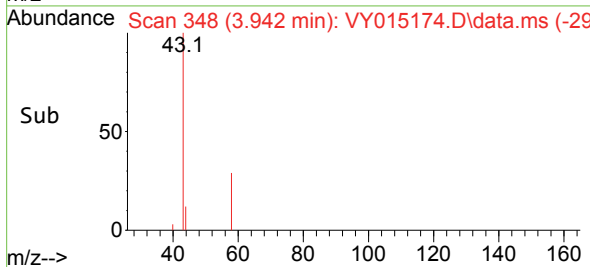
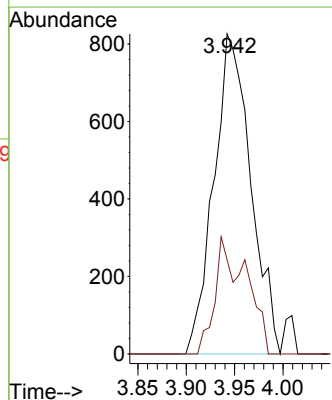
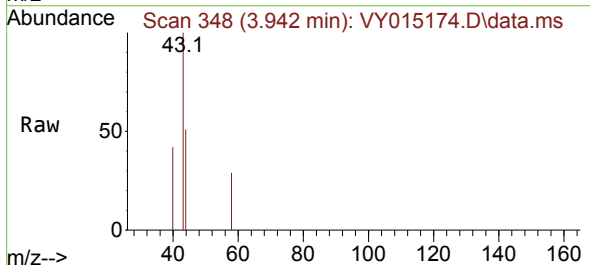
Instrument :
MSVOA_Y
ClientSampleId :

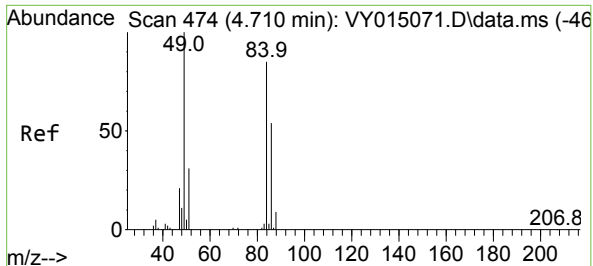
Tgt Ion: 50 Resp: 423
Ion Ratio Lower Upper
50 100
52 15.1 25.4 38.2#



#16
Acetone
Concen: 4.636 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY015174.D
Acq: 17 Aug 2023 16:05

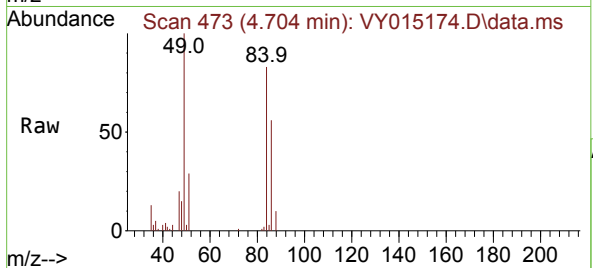
Tgt Ion: 43 Resp: 2192
Ion Ratio Lower Upper
43 100
58 29.4 22.7 34.1





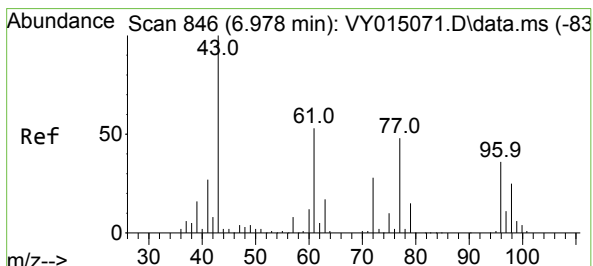
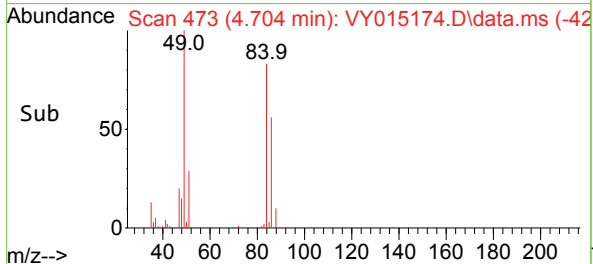
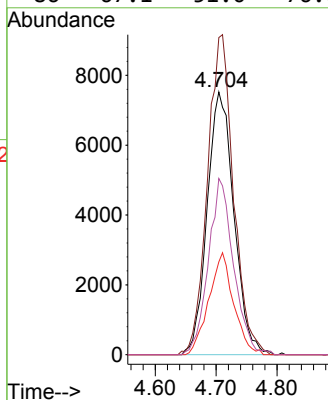
#20
Methylene Chloride
Concen: 17.469 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015174.D
Acq: 17 Aug 2023 16:05

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 22993

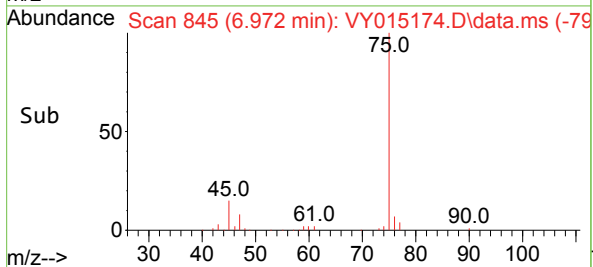
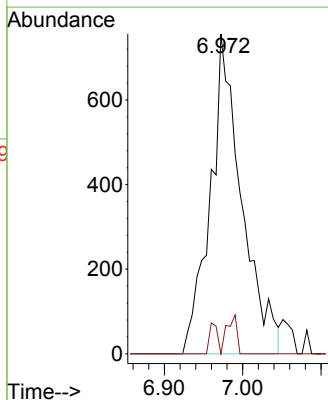
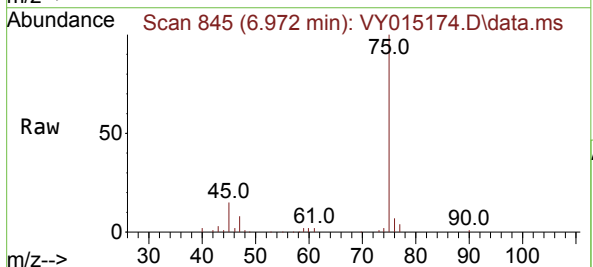
Ion	Ratio	Lower	Upper
84	100		
49	120.7	106.9	160.3
51	35.3	33.2	49.8
86	67.1	51.0	76.6

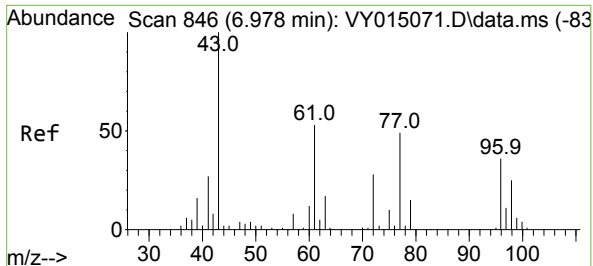


#25
2-Butanone
Concen: 3.150 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY015174.D
Acq: 17 Aug 2023 16:05

Tgt Ion: 43 Resp: 2109

Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#





#26

2,2-Dichloropropane

Concen: 1.380 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY015174.D

Acq: 17 Aug 2023 16:05

Instrument :

MSVOA_Y

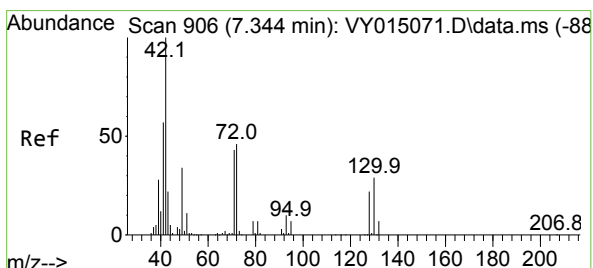
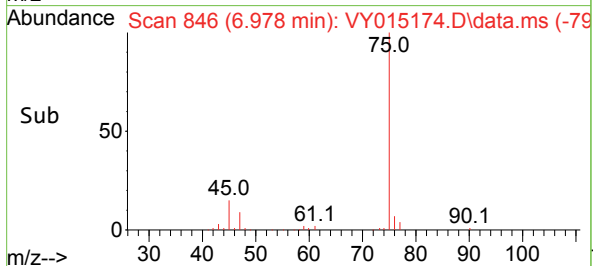
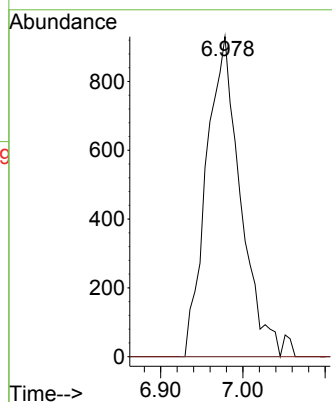
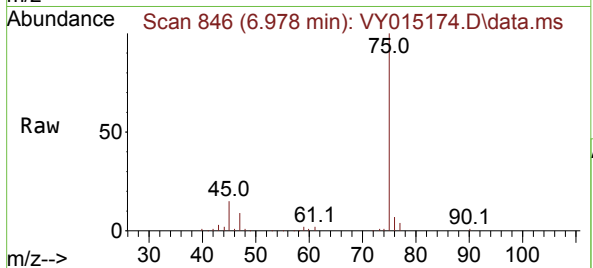
ClientSampleId :

Tgt Ion: 77 Resp: 2674

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#29

Tetrahydrofuran

Concen: 1.177 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY015174.D

Acq: 17 Aug 2023 16:05

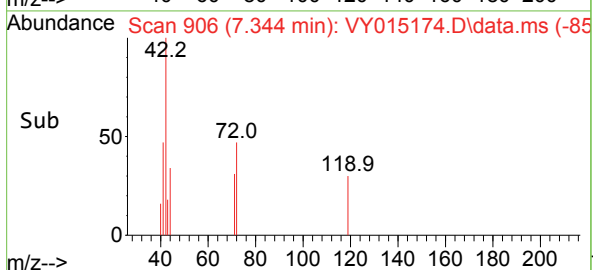
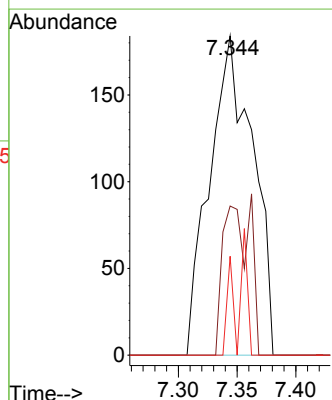
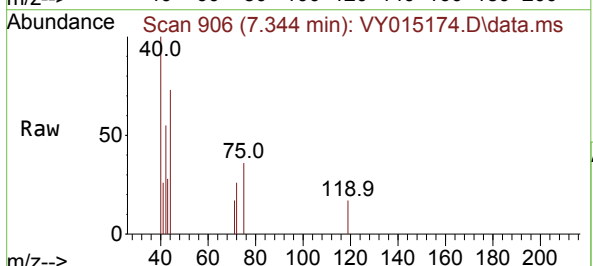
Tgt Ion: 42 Resp: 471

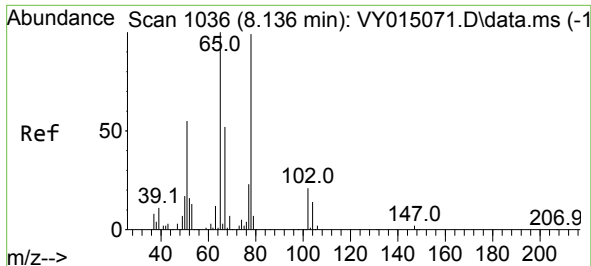
Ion Ratio Lower Upper

42 100

72 29.7 32.8 49.2#

71 4.5 31.0 46.4#





#33

1,2-Dichloroethane-d4

Concen: 57.536 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015174.D

Acq: 17 Aug 2023 16:05

Instrument :

MSVOA_Y

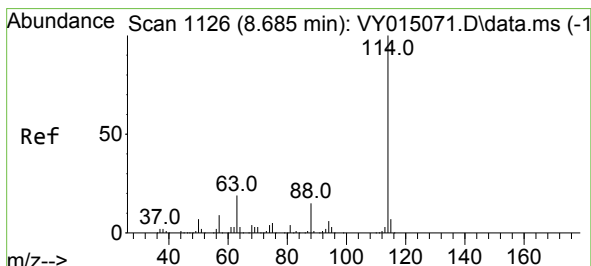
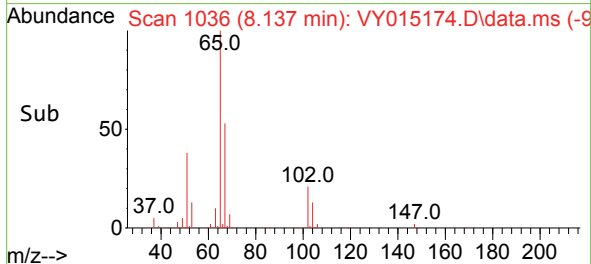
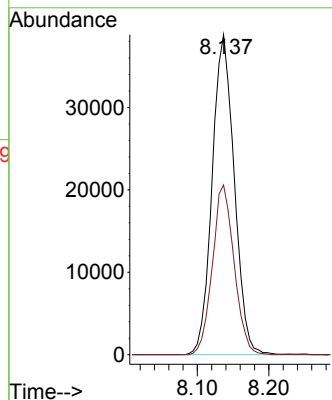
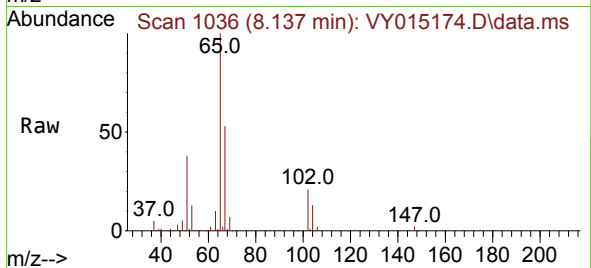
ClientSampleId :

Tgt Ion: 65 Resp: 83281

Ion Ratio Lower Upper

65 100

67 52.1 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: VY015174.D

Acq: 17 Aug 2023 16:05

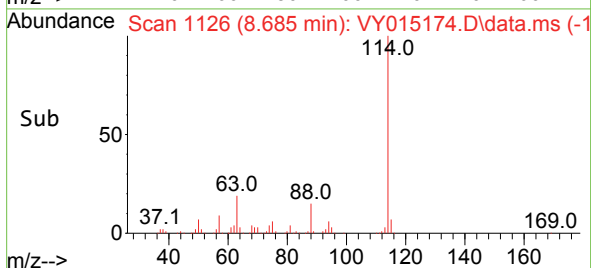
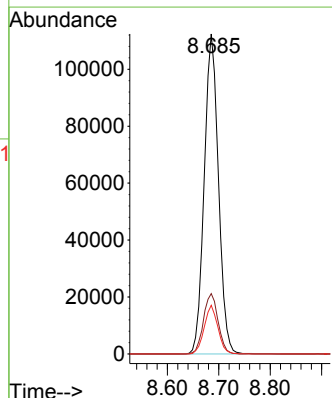
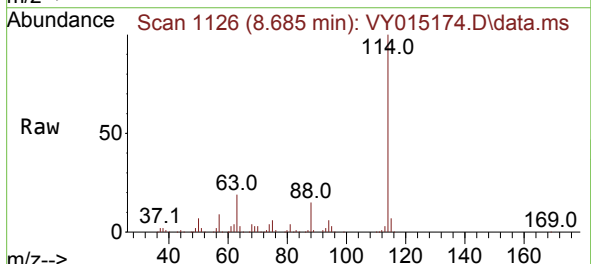
Tgt Ion: 114 Resp: 215602

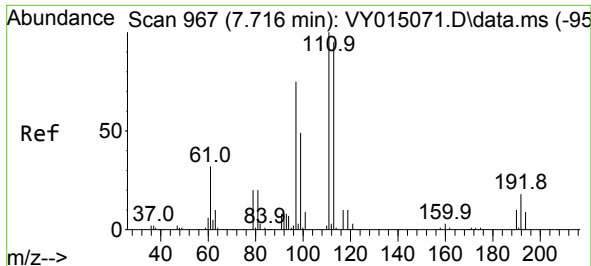
Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 15.2 0.0 30.6

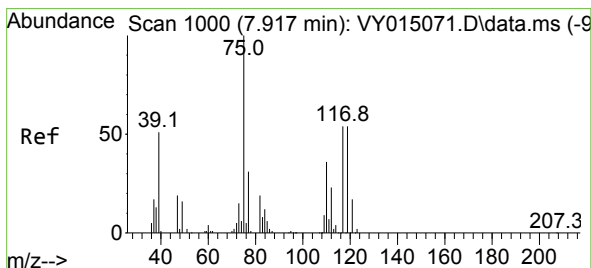
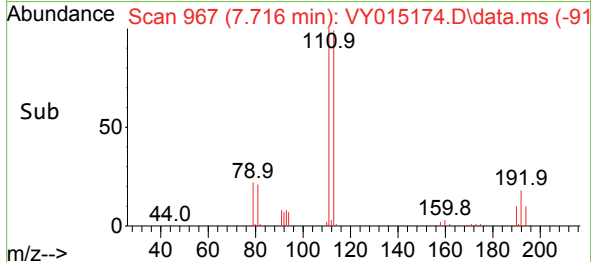
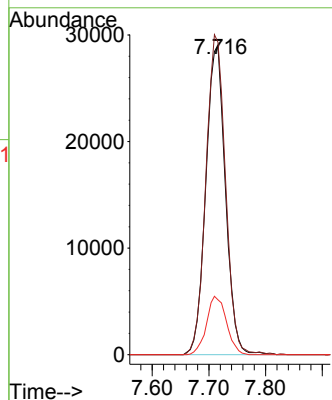
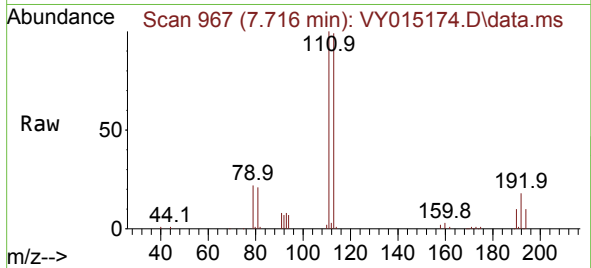




#35
Dibromofluoromethane
Concen: 50.210 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY015174.D
Acq: 17 Aug 2023 16:05

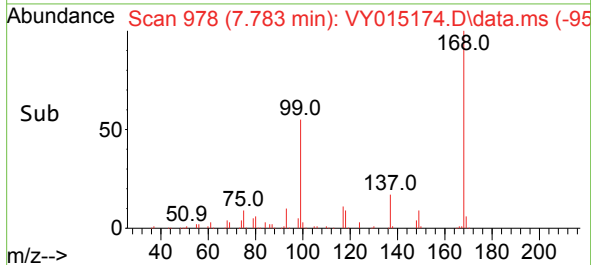
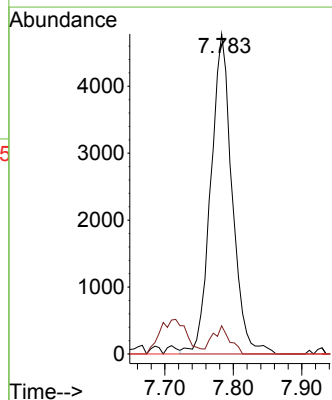
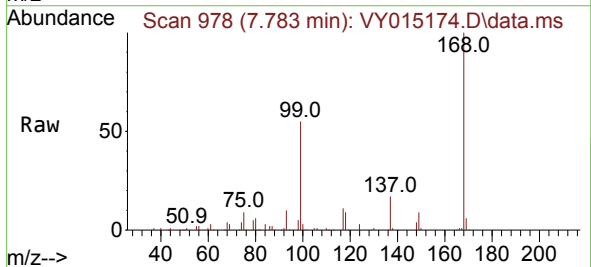
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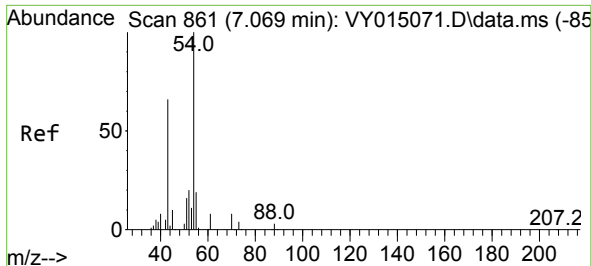
Tgt Ion:113 Resp: 69643
Ion Ratio Lower Upper
113 100
111 103.4 81.3 121.9
192 19.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.747 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015174.D
Acq: 17 Aug 2023 16:05

Tgt Ion: 75 Resp: 10353
Ion Ratio Lower Upper
75 100
110 6.9 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.474 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.097 min

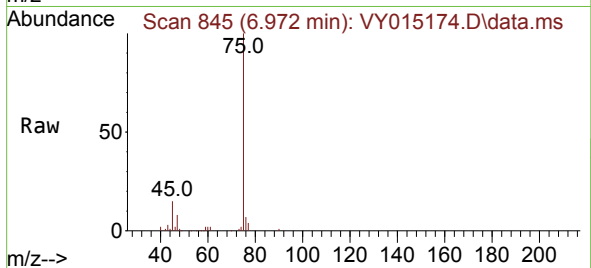
Lab File: VY015174.D

Acq: 17 Aug 2023 16:05

Instrument :

MSVOA_Y

ClientSampleId :



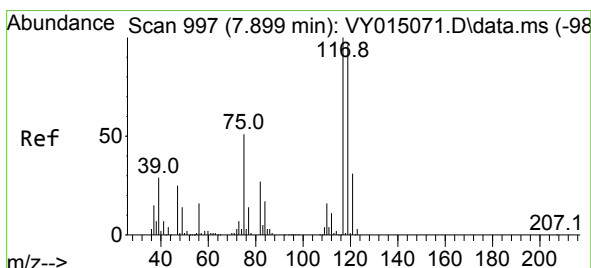
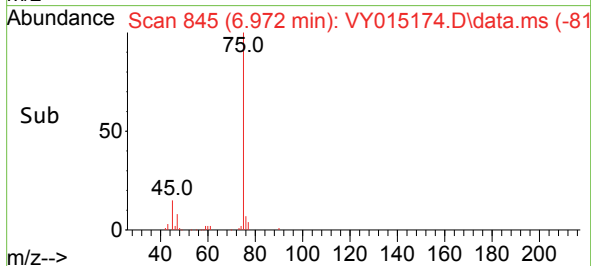
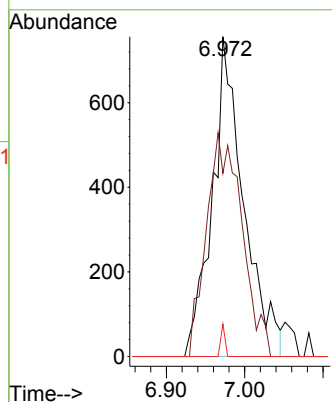
Tgt Ion: 43 Resp: 2109

Ion Ratio Lower Upper

43 100

61 78.9 10.1 15.1#

70 1.3 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.808 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY015174.D

Acq: 17 Aug 2023 16:05

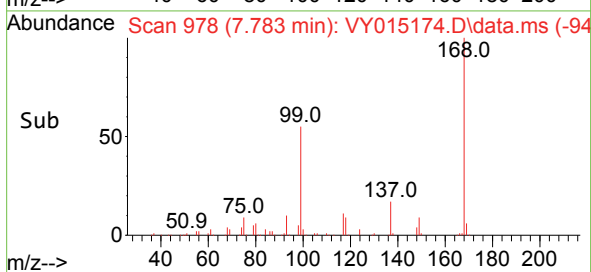
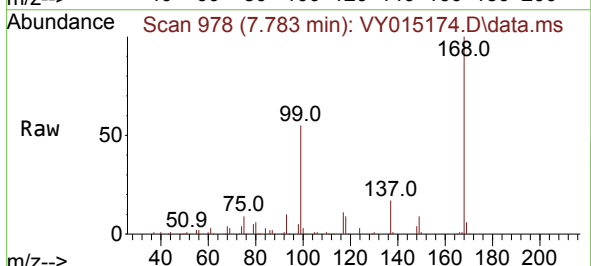
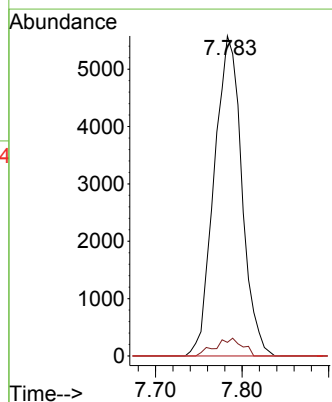
Tgt Ion: 117 Resp: 12363

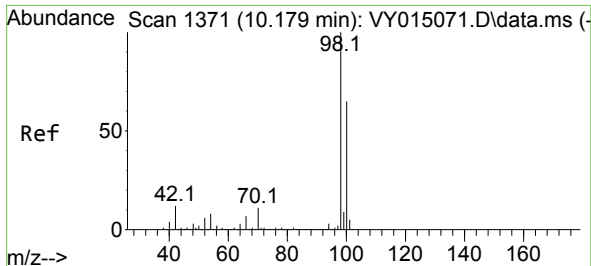
Ion Ratio Lower Upper

117 100

119 4.3 76.4 114.6#

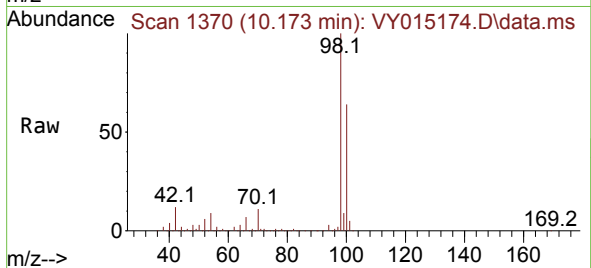
121 0.0 25.8 38.6#



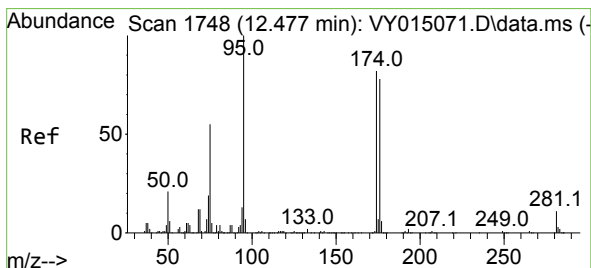
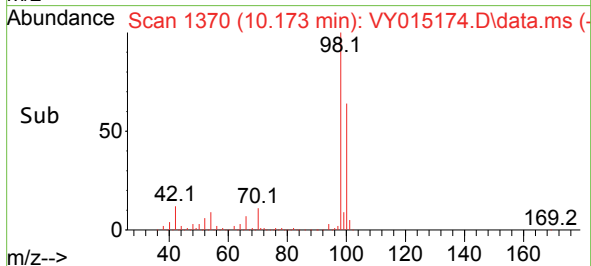
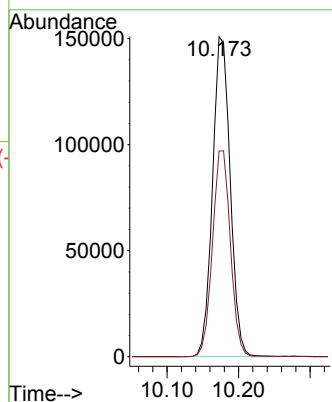


#50
Toluene-d8
Concen: 50.232 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY015174.D
Acq: 17 Aug 2023 16:05

Instrument :
MSVOA_Y
ClientSampleId :

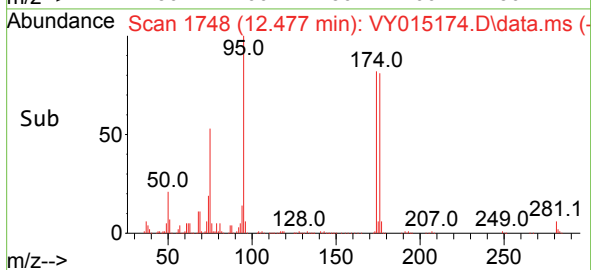
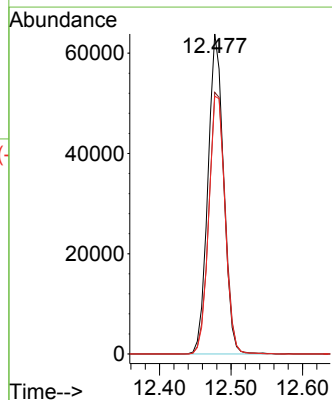
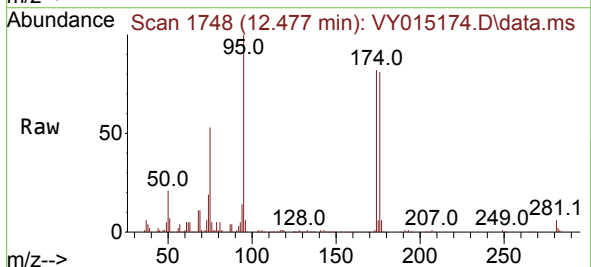


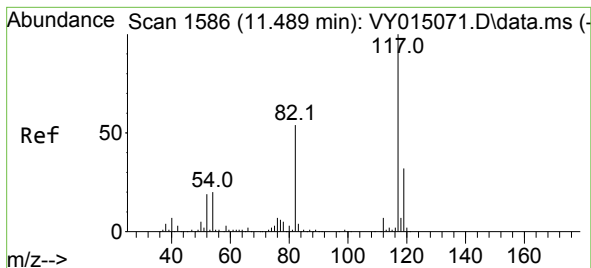
Tgt Ion: 98 Resp: 259367
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 51.667 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015174.D
Acq: 17 Aug 2023 16:05

Tgt Ion: 95 Resp: 97439
Ion Ratio Lower Upper
95 100
174 85.4 0.0 178.2
176 83.3 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: VY015174.D

Acq: 17 Aug 2023 16:05

Instrument :

MSVOA_Y

ClientSampleId :

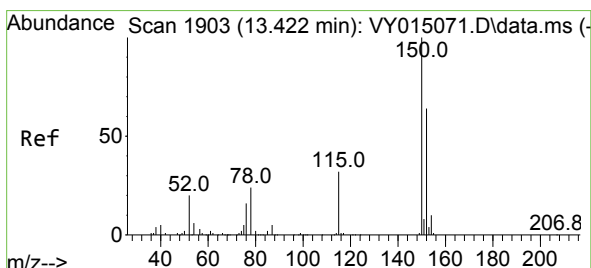
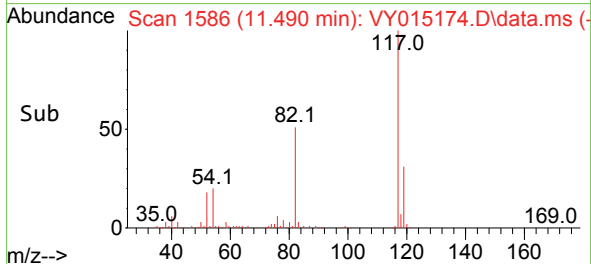
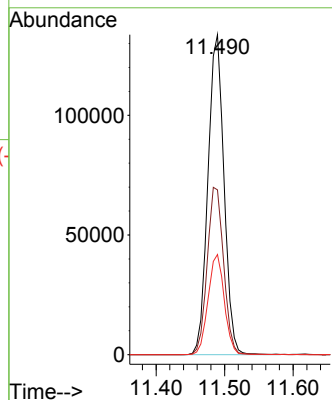
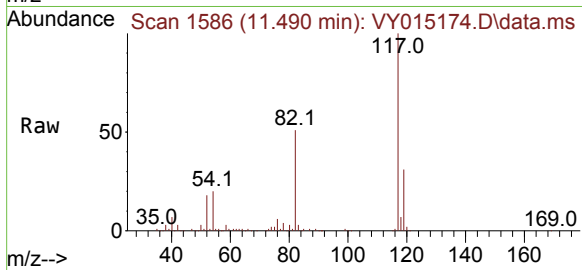
Tgt Ion:117 Resp: 218221

Ion Ratio Lower Upper

117 100

82 51.5 43.4 65.0

119 31.3 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015174.D

Acq: 17 Aug 2023 16:05

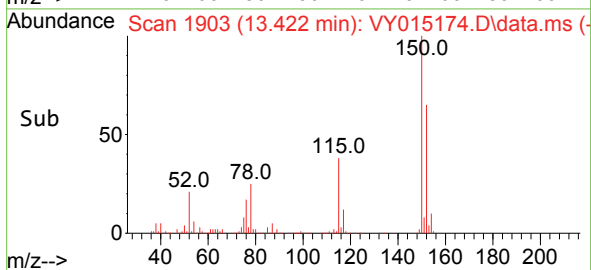
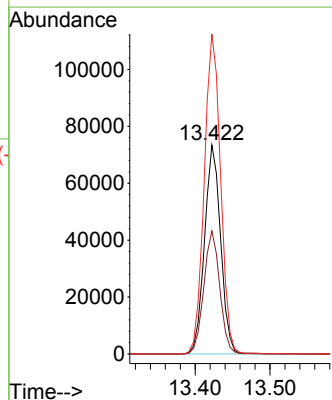
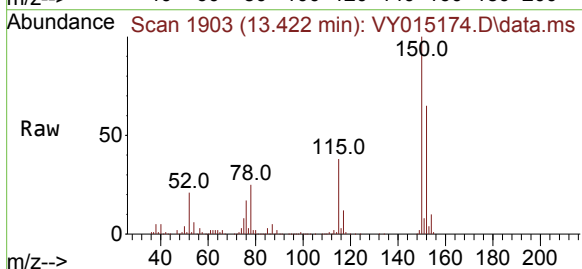
Tgt Ion:152 Resp: 109615

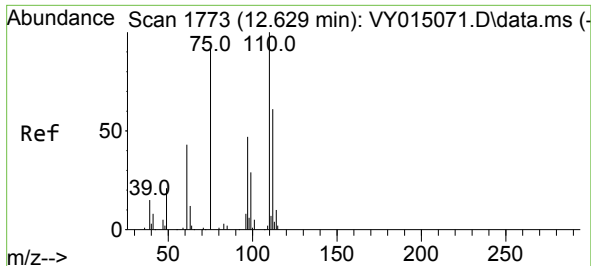
Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 155.9 0.0 348.8

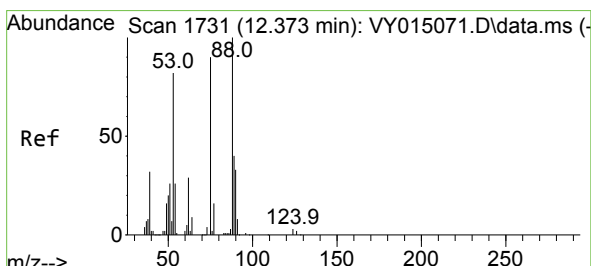
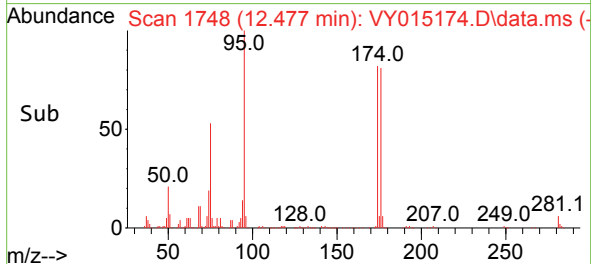
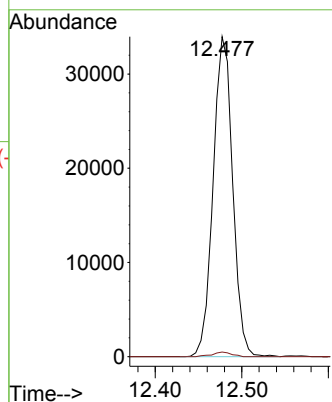
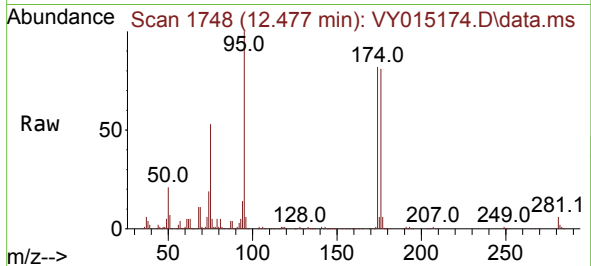




#76
1,2,3-Trichloropropane
Concen: 39.971 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015174.D
Acq: 17 Aug 2023 16:05

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 53231
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.796 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015174.D
Acq: 17 Aug 2023 16:05

Tgt Ion: 75 Resp: 53231
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

