

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082123\
 Data File : VY015221.D
 Acq On : 21 Aug 2023 16:28
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 01:55:42 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)

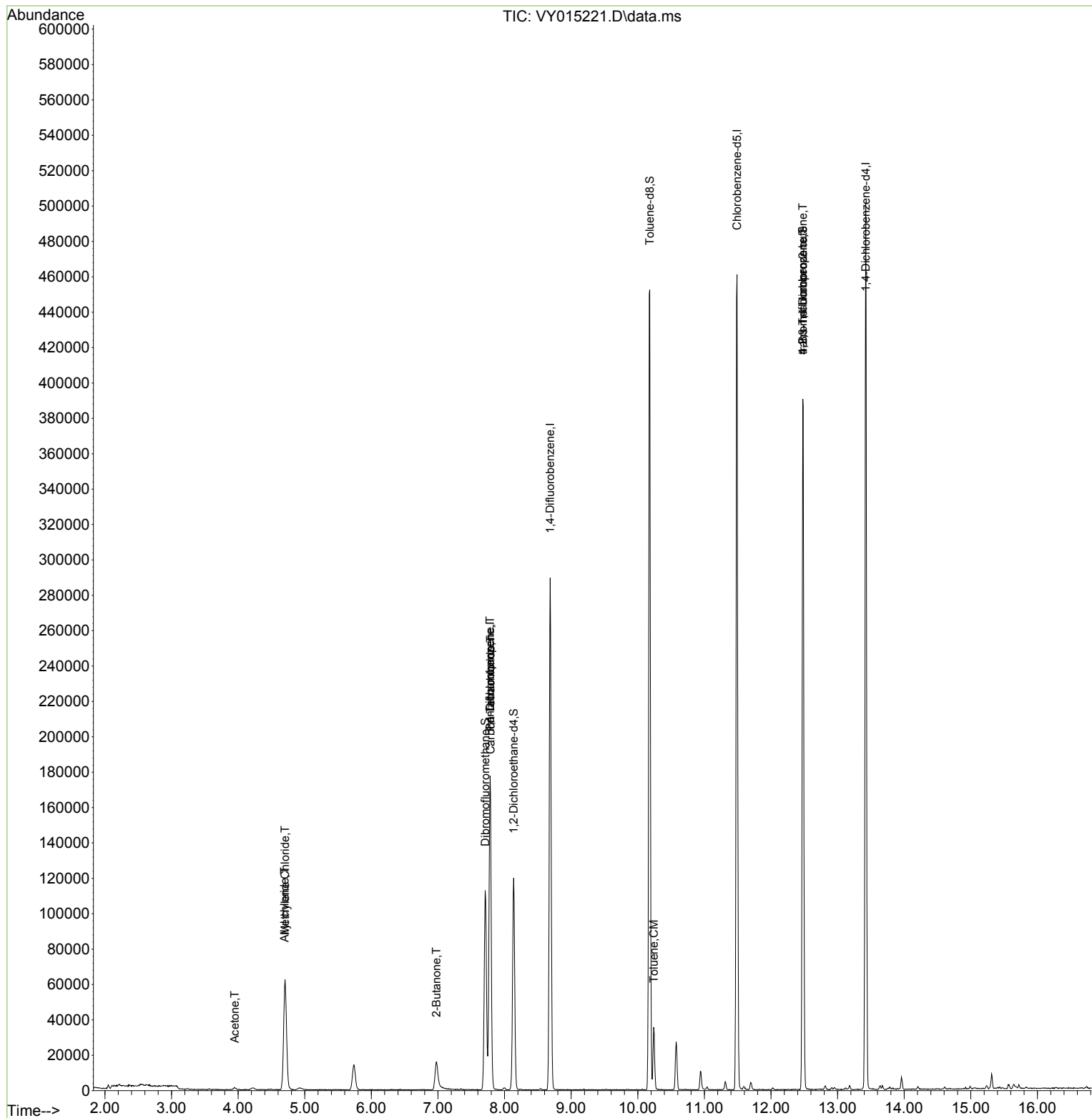
Internal Standards						
1) Pentafluorobenzene	7.783	168	138513	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	245539	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	248254	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	124048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	93353	56.145	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.280%
35) Dibromofluoromethane	7.710	113	78727	49.839	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.680%
50) Toluene-d8	10.179	98	295792	50.302	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.600%
62) 4-Bromofluorobenzene	12.477	95	115755	53.895	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	107.800%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	48	Below Cal	#	43
3) Chloromethane	2.107	50	330	Below Cal		90
5) Bromomethane	2.638	94	289	Below Cal	#	58
11) Tert butyl alcohol	4.948	59	1273	Below Cal	#	89
14) Allyl chloride	4.698	41	1819	1.064	ug/l #	22
16) Acetone	3.948	43	2075	3.820	ug/l	93
20) Methylene Chloride	4.704	84	47119	34.873	ug/l	88
25) 2-Butanone	6.978	43	1090	1.417	ug/l #	49
31) Cyclohexane	7.783	56	2798	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	10569	6.048	ug/l #	51
38) Carbon Tetrachloride	7.789	117	13422	6.490	ug/l #	15
52) Toluene	10.240	92	14657	4.209	ug/l	92
76) 1,2,3-Trichloropropane	12.477	75	62877	41.721	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	62877	91.639	ug/l #	10

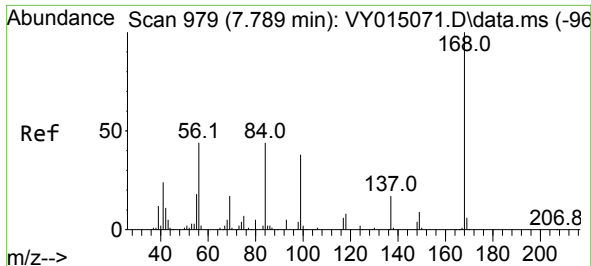
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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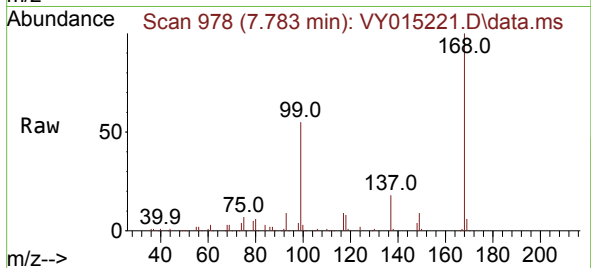
Quant Time: Aug 22 01:55:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 14 12:43:26 2023
Response via : Initial Calibration



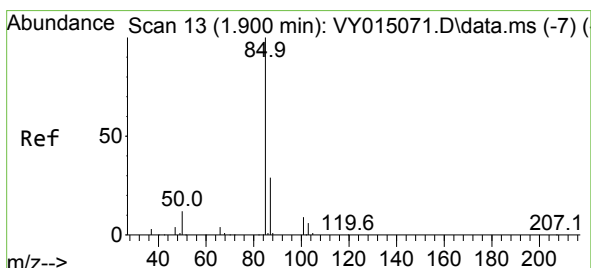
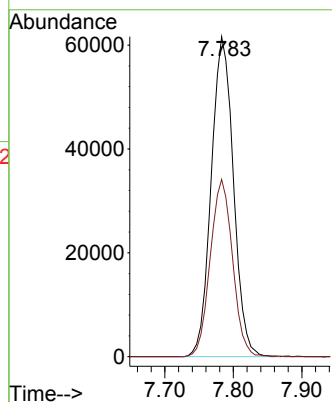
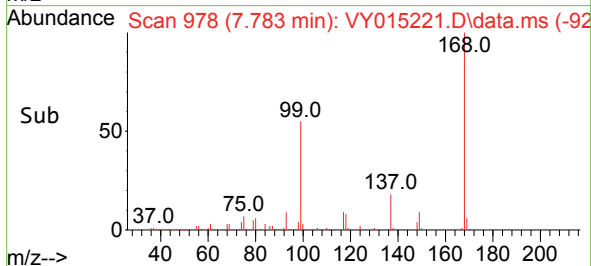


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015221.D
Acq: 21 Aug 2023 16:28

Instrument :
MSVOA_Y
ClientSampleId :

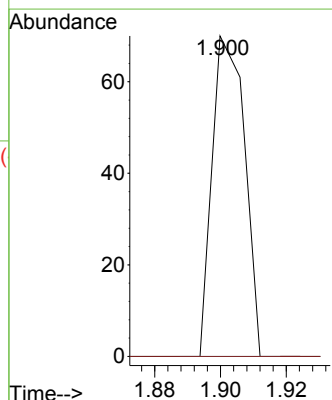
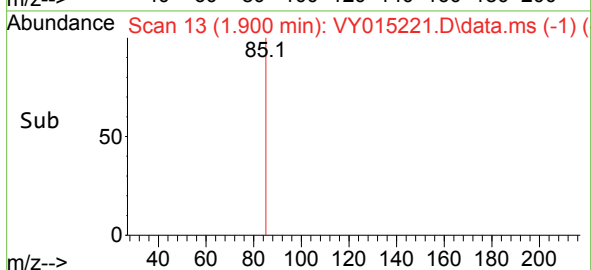
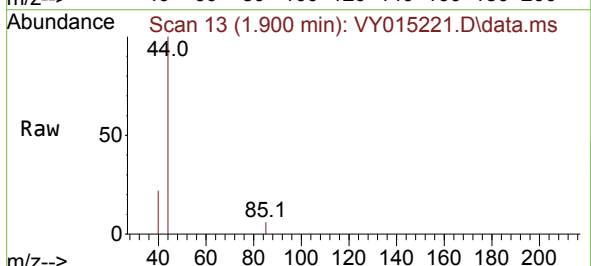


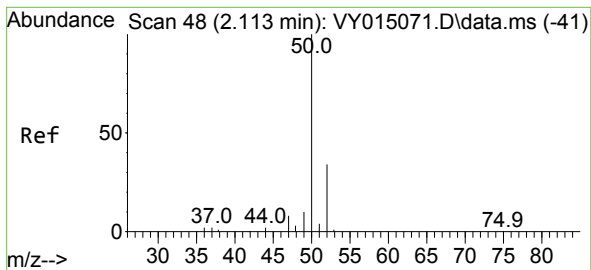
Tgt Ion:168 Resp: 138513
Ion Ratio Lower Upper
168 100
99 55.4 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY015221.D
Acq: 21 Aug 2023 16:28

Tgt Ion: 85 Resp: 48
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: VY015221.D

Acq: 21 Aug 2023 16:28

Instrument :

MSVOA_Y

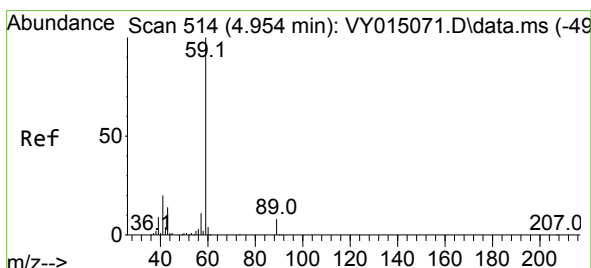
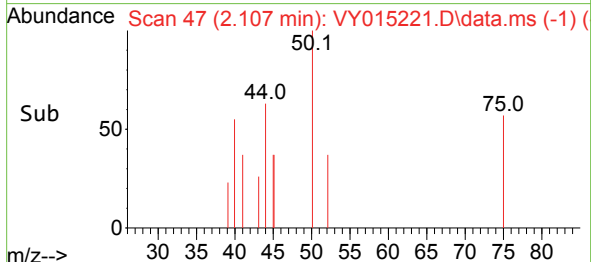
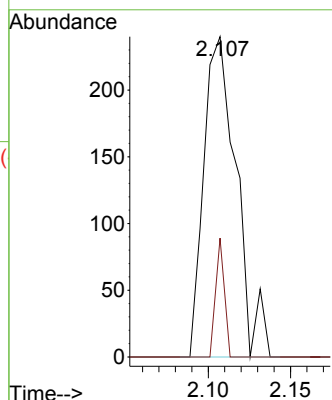
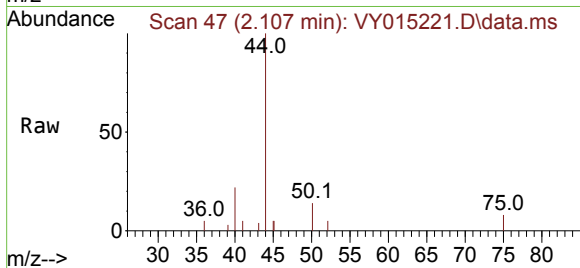
ClientSampleId :

Tgt Ion: 50 Resp: 330

Ion Ratio Lower Upper

50 100

52 37.1 25.4 38.2



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.948 min Scan# 513

Delta R.T. 0.000 min

Lab File: VY015221.D

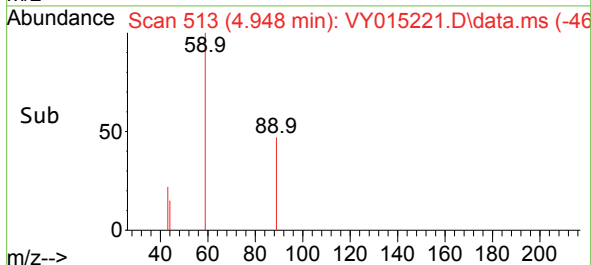
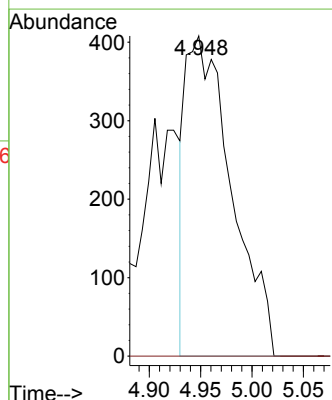
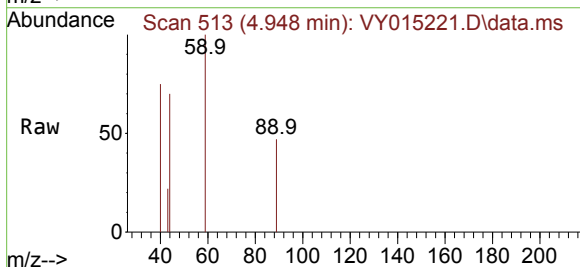
Acq: 21 Aug 2023 16:28

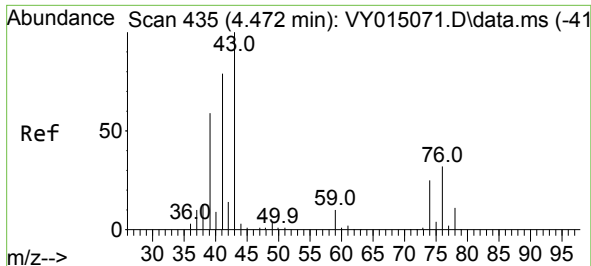
Tgt Ion: 59 Resp: 1273

Ion Ratio Lower Upper

59 100

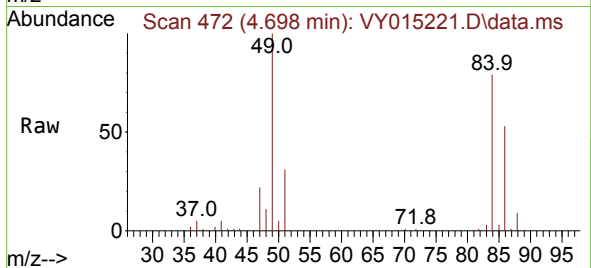
57 0.0 3.0 4.4#



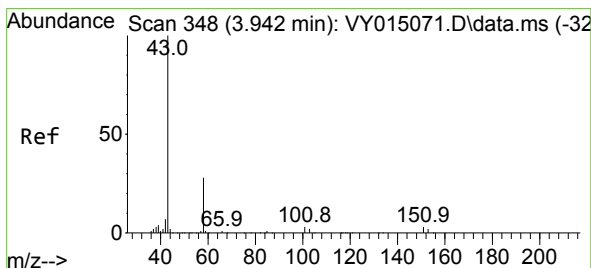
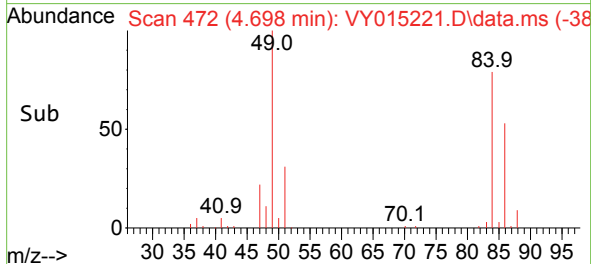
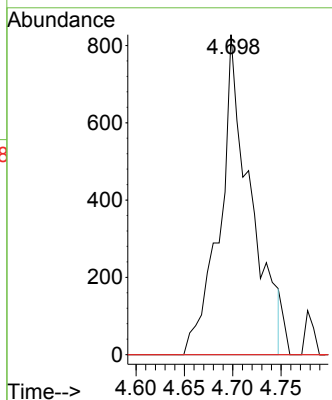


#14
 Allyl chloride
 Concen: 1.064 ug/l
 RT: 4.698 min Scan# 41
 Delta R.T. 0.226 min
 Lab File: VY015221.D
 Acq: 21 Aug 2023 16:28

Instrument :
 MSVOA_Y
 ClientSampleId :

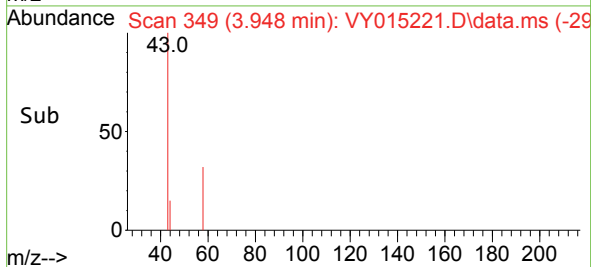
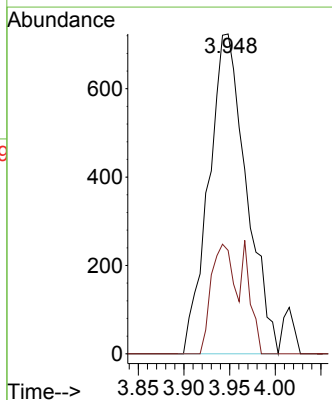
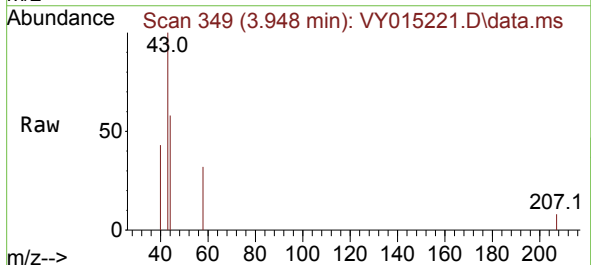


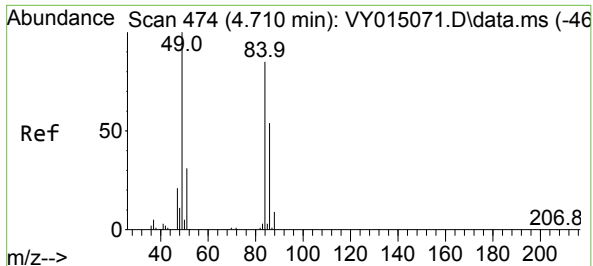
Tgt Ion: 41 Resp: 1819
 Ion Ratio Lower Upper
 41 100
 39 0.0 58.0 87.0#
 76 0.0 27.4 41.2#



#16
 Acetone
 Concen: 3.820 ug/l
 RT: 3.948 min Scan# 349
 Delta R.T. 0.006 min
 Lab File: VY015221.D
 Acq: 21 Aug 2023 16:28

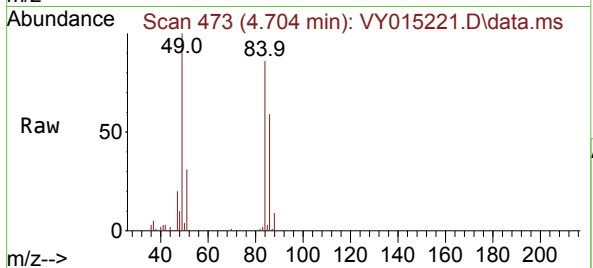
Tgt Ion: 43 Resp: 2075
 Ion Ratio Lower Upper
 43 100
 58 32.3 22.7 34.1





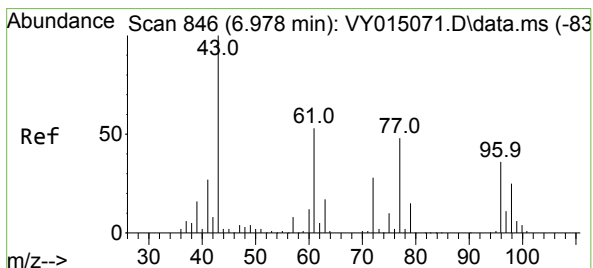
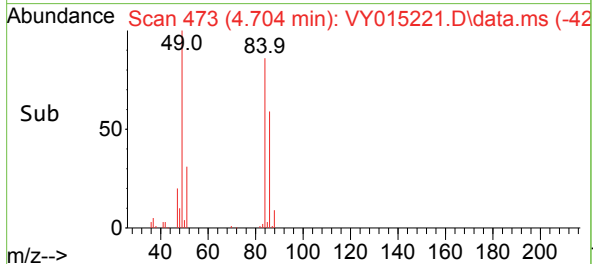
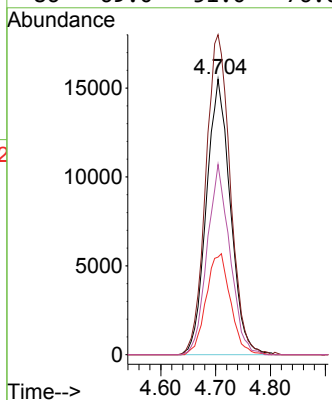
#20
Methylene Chloride
Concen: 34.873 ug/l
RT: 4.704 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY015221.D
Acq: 21 Aug 2023 16:28

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 47119

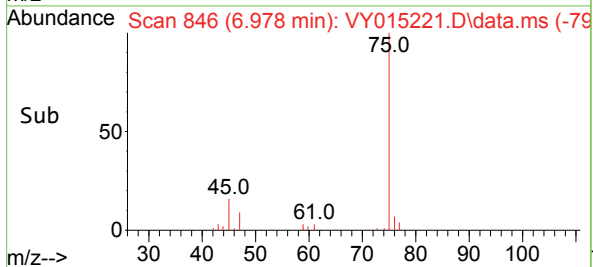
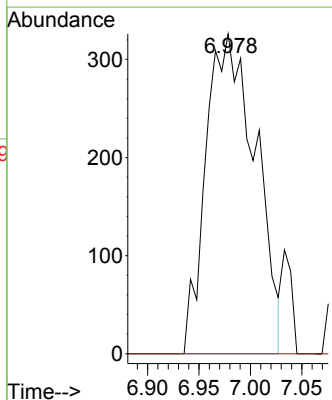
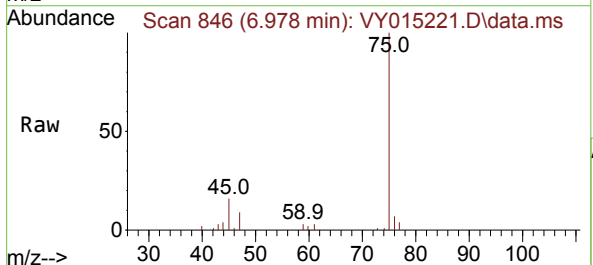
Ion	Ratio	Lower	Upper
84	100		
49	116.2	106.9	160.3
51	35.5	33.2	49.8
86	69.0	51.0	76.6

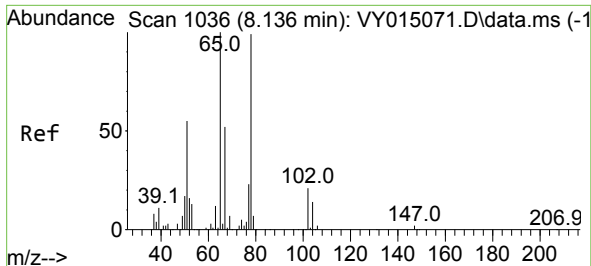


#25
2-Butanone
Concen: 1.417 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY015221.D
Acq: 21 Aug 2023 16:28

Tgt Ion: 43 Resp: 1090

Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#





#33

1,2-Dichloroethane-d4

Concen: 56.145 ug/l

RT: 8.137 min Scan# 1103

Delta R.T. 0.000 min

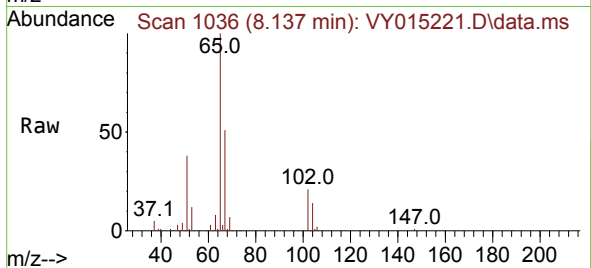
Lab File: VY015221.D

Acq: 21 Aug 2023 16:28

Instrument :

MSVOA_Y

ClientSampleId :

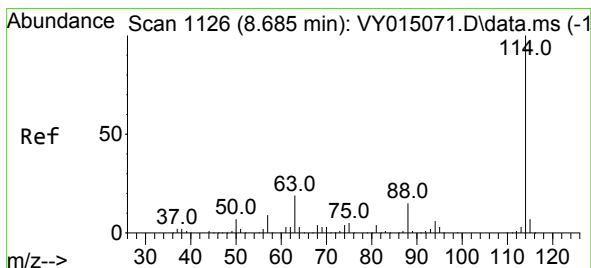
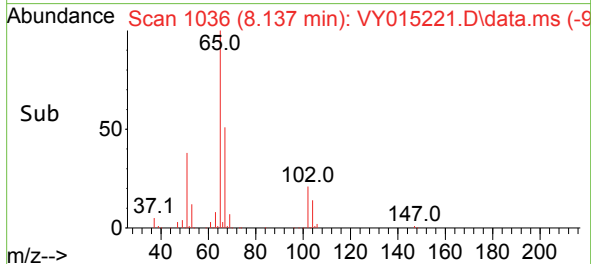
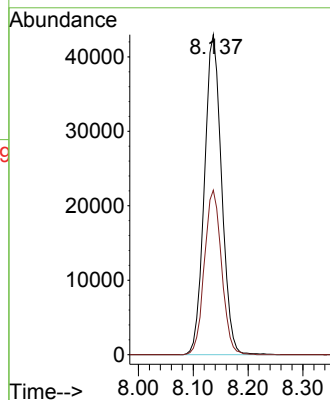


Tgt Ion: 65 Resp: 93353

Ion Ratio Lower Upper

65 100

67 51.4 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: VY015221.D

Acq: 21 Aug 2023 16:28

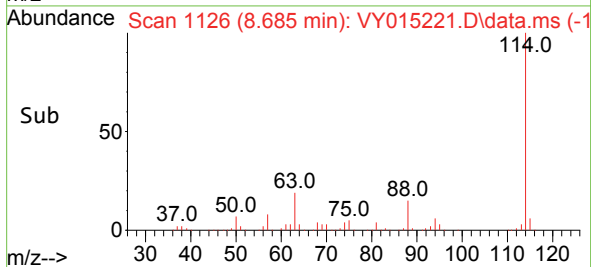
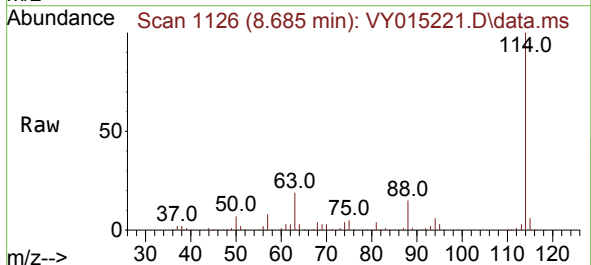
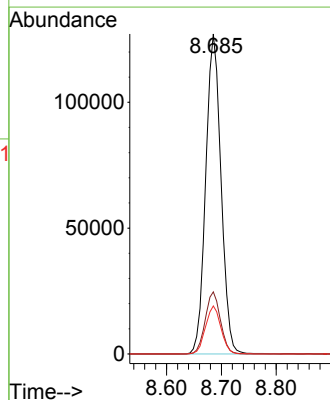
Tgt Ion:114 Resp: 245539

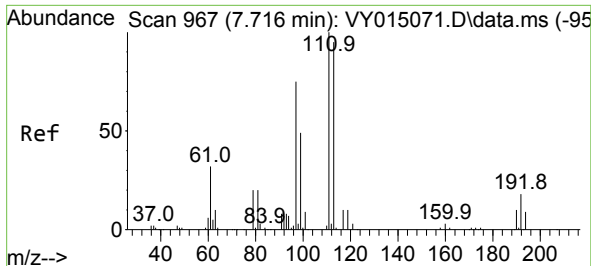
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 15.0 0.0 30.6

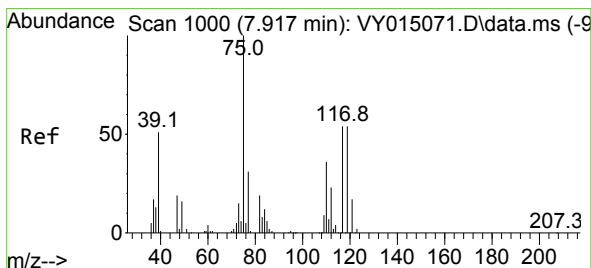
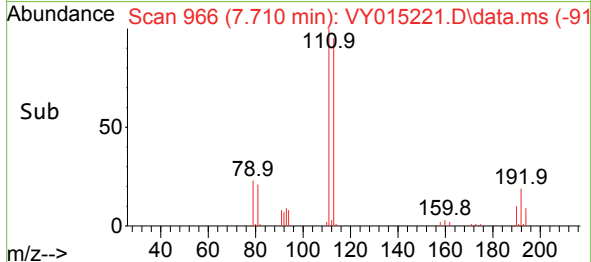
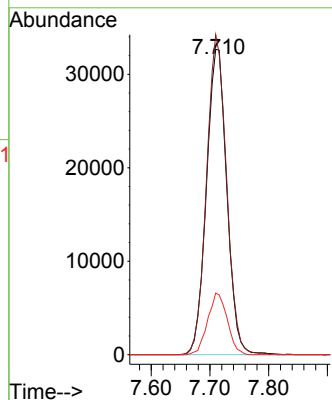
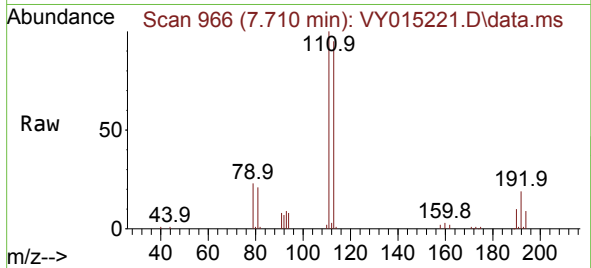




#35
Dibromofluoromethane
Concen: 49.839 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY015221.D
Acq: 21 Aug 2023 16:28

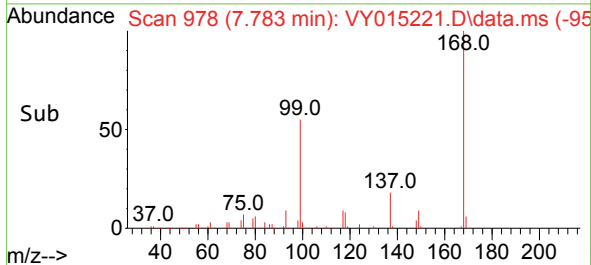
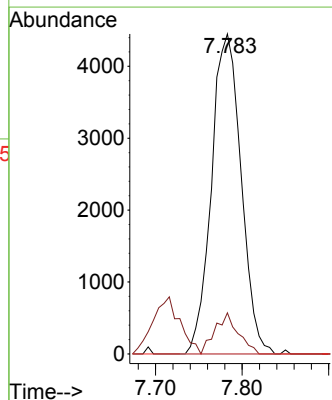
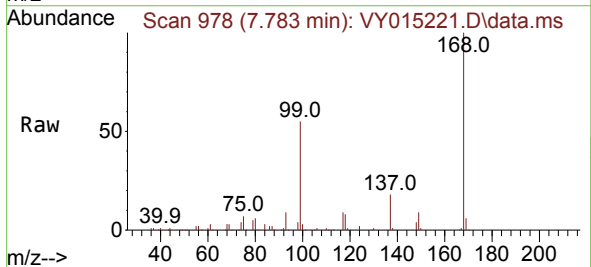
Instrument :
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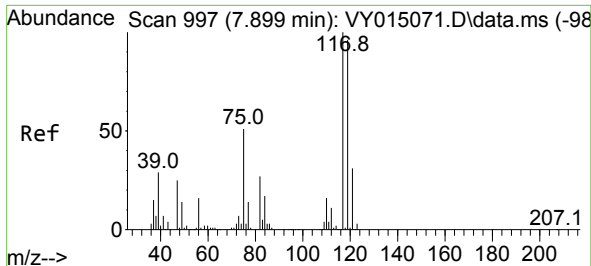
Tgt Ion:113 Resp: 78727
Ion Ratio Lower Upper
113 100
111 102.6 81.3 121.9
192 19.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.048 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015221.D
Acq: 21 Aug 2023 16:28

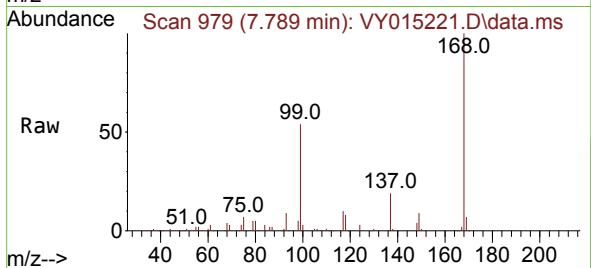
Tgt Ion: 75 Resp: 10569
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.5#
77 0.0 24.4 36.6#



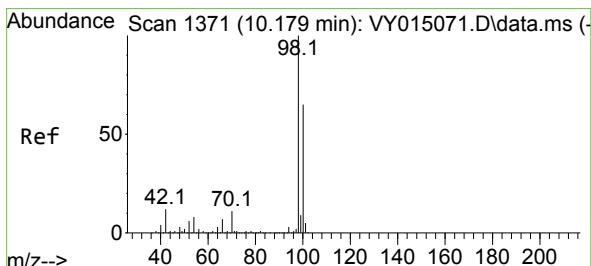
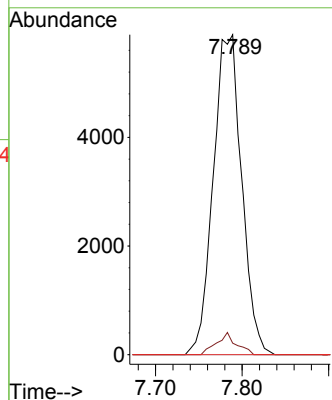
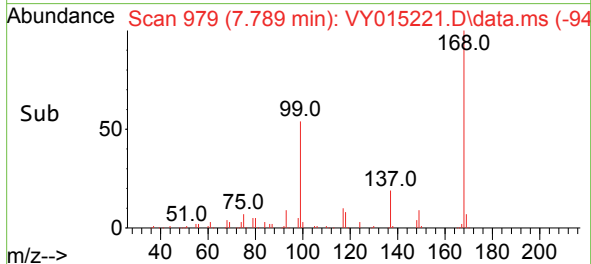


#38
Carbon Tetrachloride
Concen: 6.490 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015221.D
Acq: 21 Aug 2023 16:28

Instrument :
MSVOA_Y
ClientSampleId :

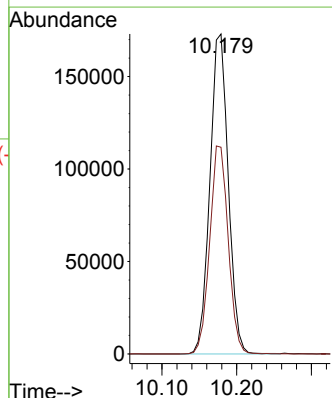
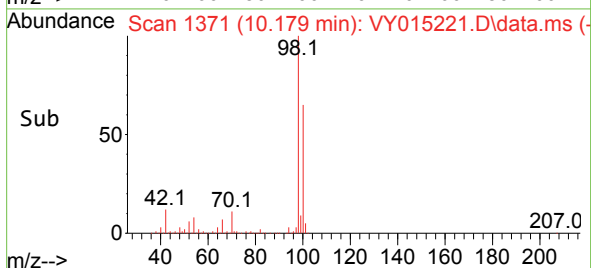
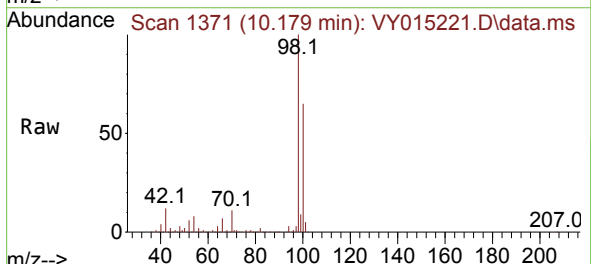


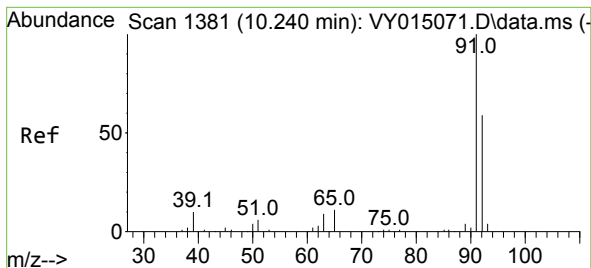
Tgt Ion:117 Resp: 13422
Ion Ratio Lower Upper
117 100
119 3.6 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.302 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015221.D
Acq: 21 Aug 2023 16:28

Tgt Ion: 98 Resp: 295792
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1





#52

Toluene

Concen: 4.209 ug/l

RT: 10.240 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY015221.D

Acq: 21 Aug 2023 16:28

Instrument :

MSVOA_Y

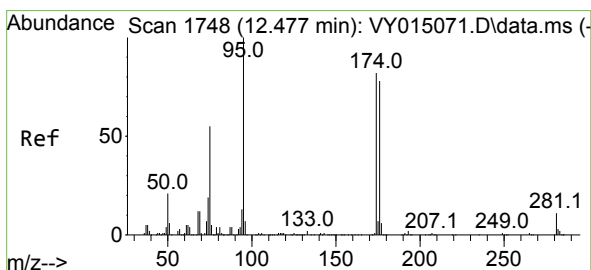
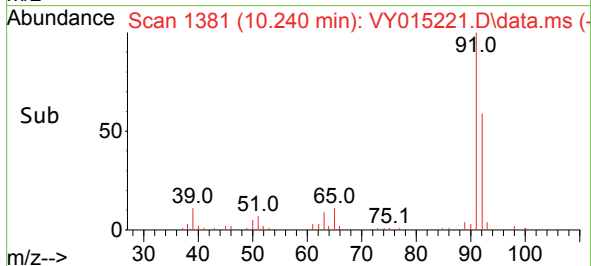
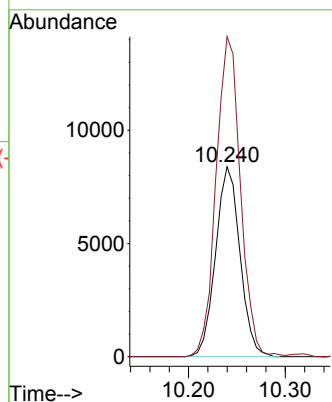
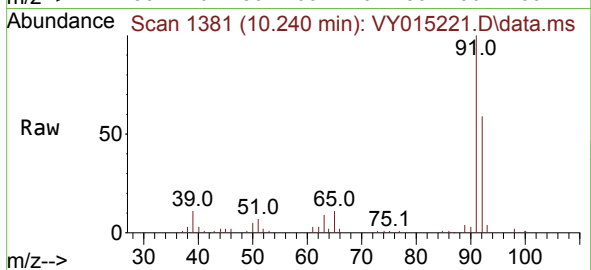
ClientSampleId :

Tgt Ion: 92 Resp: 14657

Ion Ratio Lower Upper

92 100

91 168.6 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 53.895 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY015221.D

Acq: 21 Aug 2023 16:28

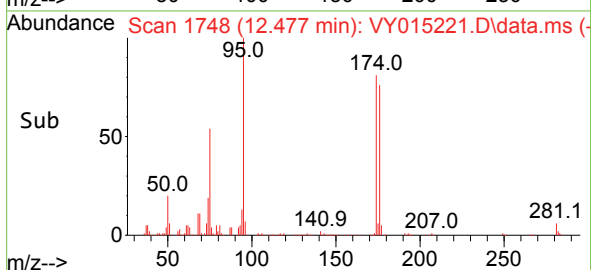
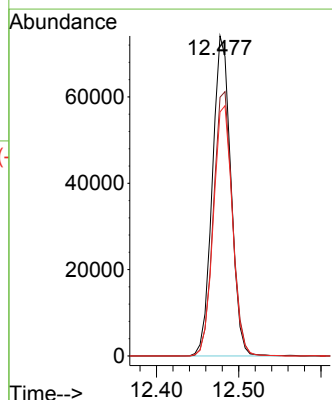
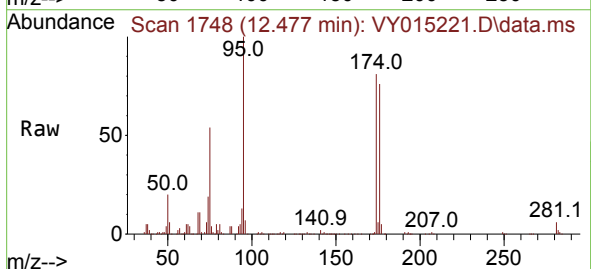
Tgt Ion: 95 Resp: 115755

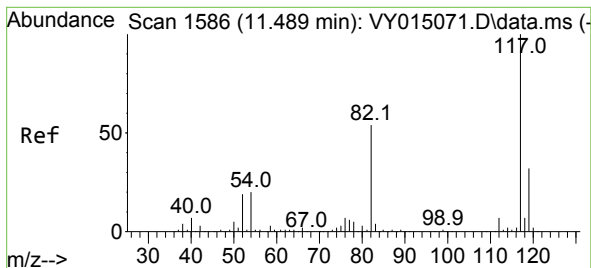
Ion Ratio Lower Upper

95 100

174 84.5 0.0 178.2

176 80.7 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: VY015221.D

Acq: 21 Aug 2023 16:28

Instrument :

MSVOA_Y

ClientSampleId :

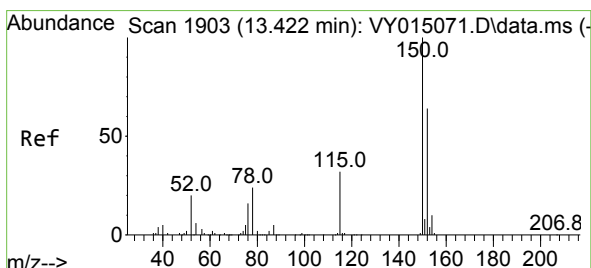
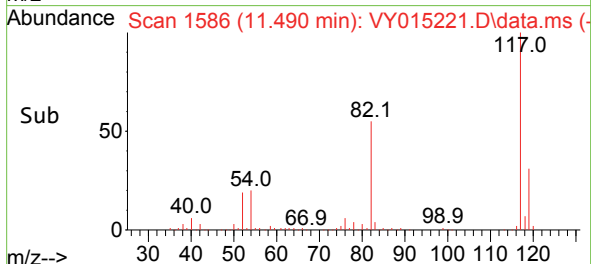
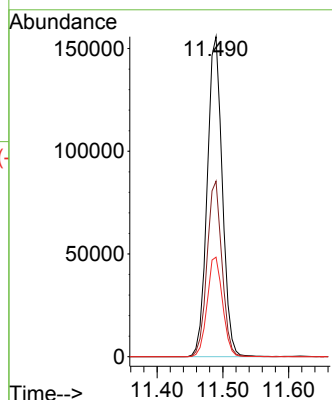
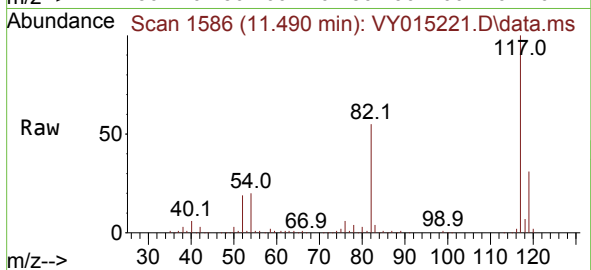
Tgt Ion:117 Resp: 248254

Ion Ratio Lower Upper

117 100

82 54.9 43.4 65.0

119 31.1 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: VY015221.D

Acq: 21 Aug 2023 16:28

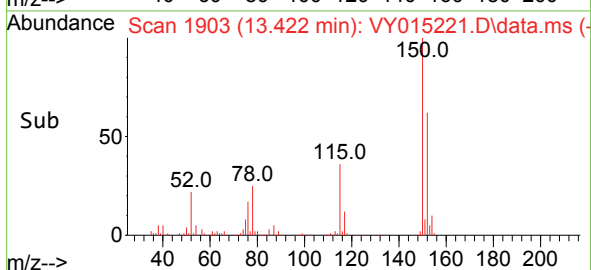
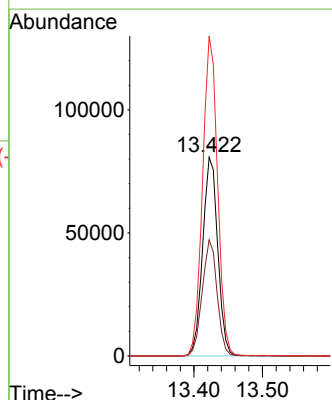
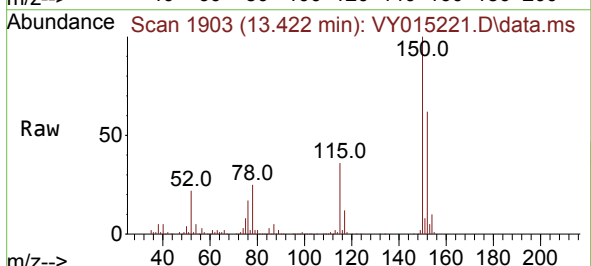
Tgt Ion:152 Resp: 124048

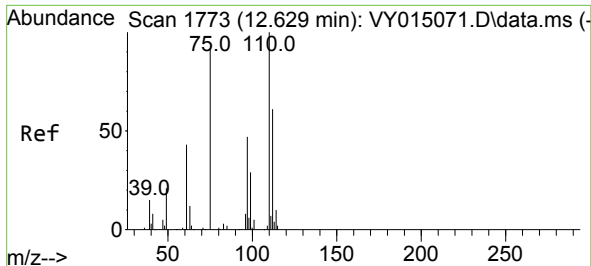
Ion Ratio Lower Upper

152 100

115 57.6 28.8 86.5

150 159.6 0.0 348.8

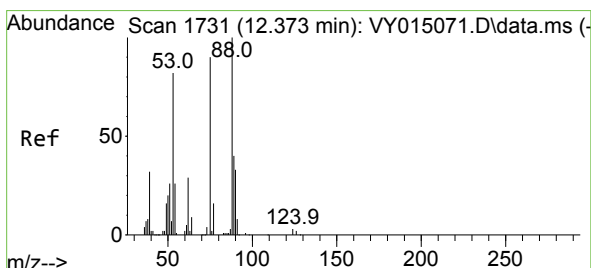
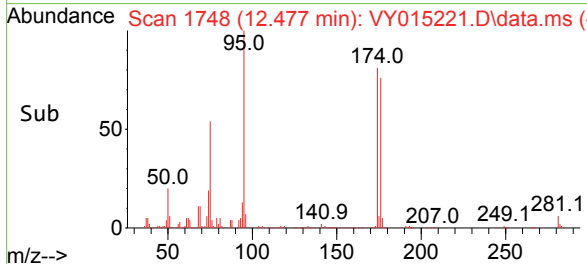
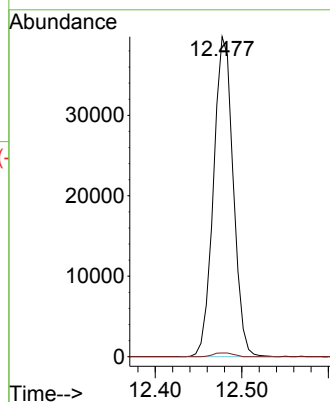
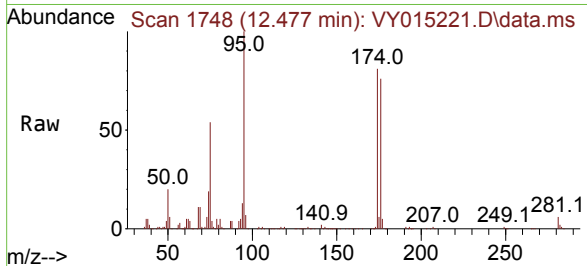




#76
1,2,3-Trichloropropane
Concen: 41.721 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015221.D
Acq: 21 Aug 2023 16:28

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 62877
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.639 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015221.D
Acq: 21 Aug 2023 16:28

Tgt Ion: 75 Resp: 62877
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

