

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101023\
 Data File : VY015905.D
 Acq On : 10 Oct 2023 18:26
 Operator : SY/MD
 Sample : 04801-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 11 01:23:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 10 07:06:18 2023
 Response via : Initial Calibration

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

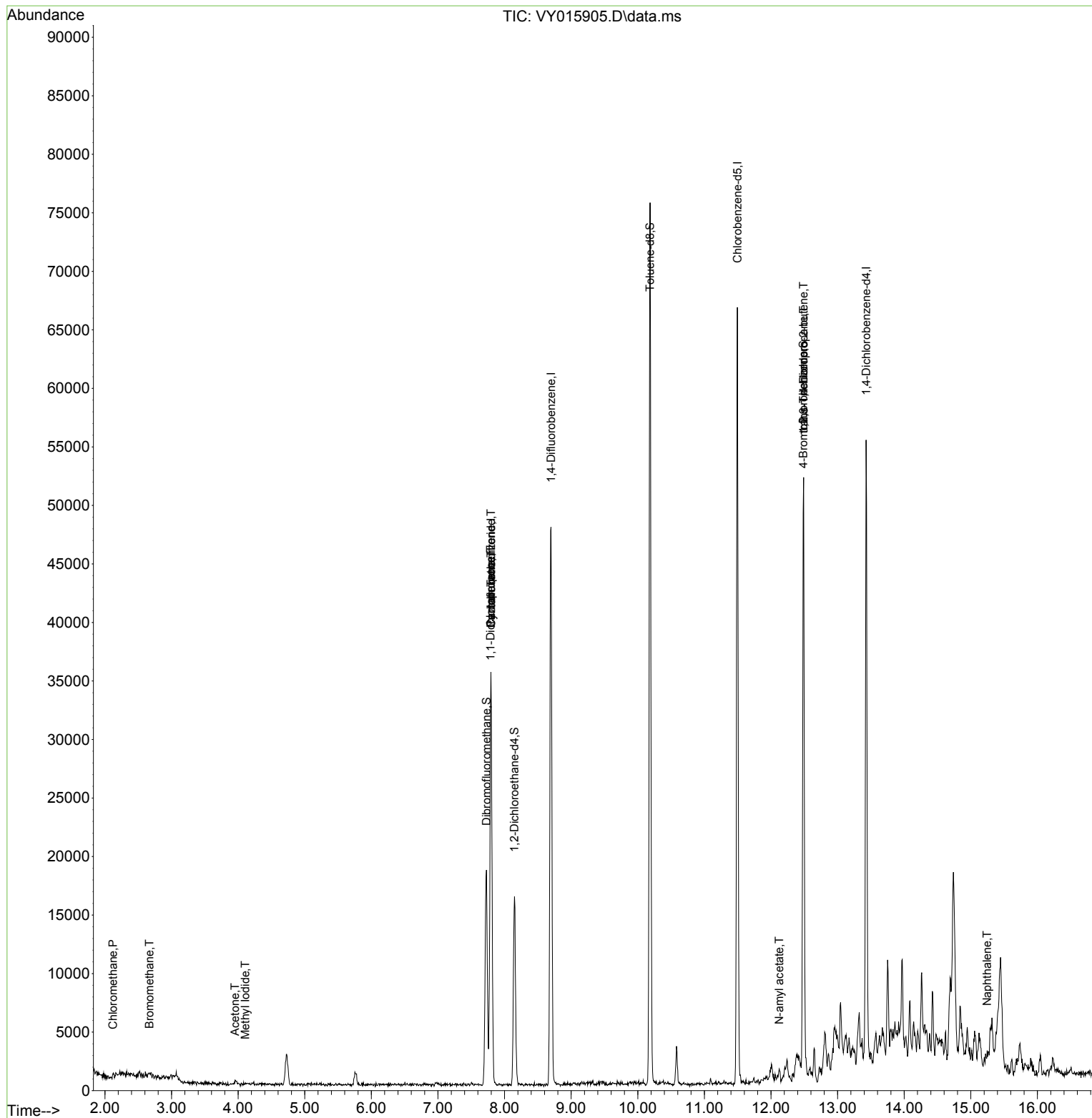
Internal Standards						
1) Pentafluorobenzene	7.795	168	27831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	43121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	36410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	14166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	12654	50.531	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.060%	
35) Dibromofluoromethane	7.728	113	13334	55.438	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.880%	
50) Toluene-d8	10.185	98	50298	63.453	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 126.900%	
62) 4-Bromofluorobenzene	12.483	95	14213	44.144	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.280%	
Target Compounds						
						Qvalue
3) Chloromethane	2.119	50	115	1.010	ug/l #	43
5) Bromomethane	2.668	94	226	1.898	ug/l #	53
10) Methyl Iodide	4.107	142	63	2.559	ug/l #	38
16) Acetone	3.954	43	538	10.376	ug/l #	67
20) Methylene Chloride	4.723	84	2059	Below Cal	#	79
31) Cyclohexane	7.795	56	554	2.066	ug/l #	17
36) 1,1-Dichloropropene	7.789	75	1992	7.478	ug/l #	45
38) Carbon Tetrachloride	7.795	117	2745	8.581	ug/l #	16
74) N-amyl acetate	12.124	43	288	1.023	ug/l #	51
76) 1,2,3-Trichloropropane	12.489	75	7588	45.885	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	7588	101.750	ug/l #	10
95) Naphthalene	15.245	128	657	1.081	ug/l #	81

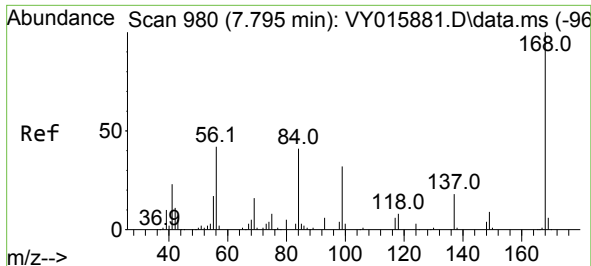
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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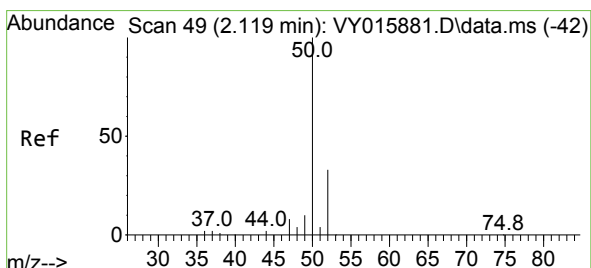
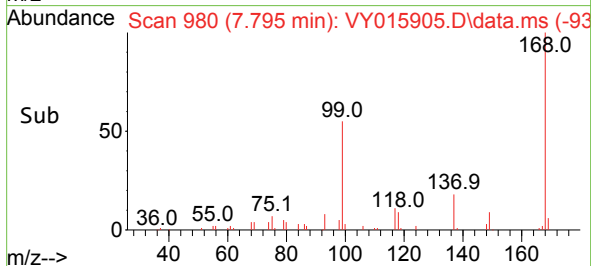
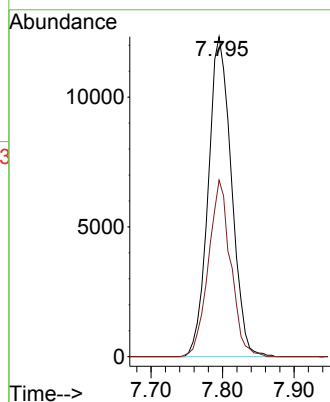
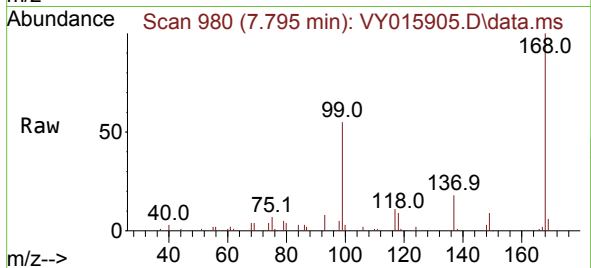




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY015905.D
Acq: 10 Oct 2023 18:26

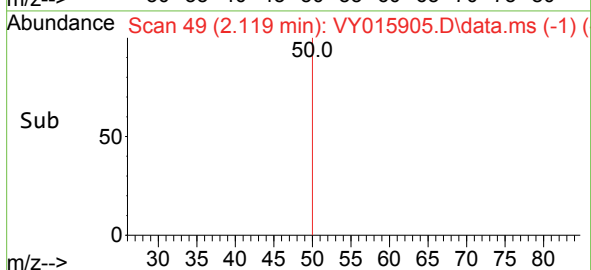
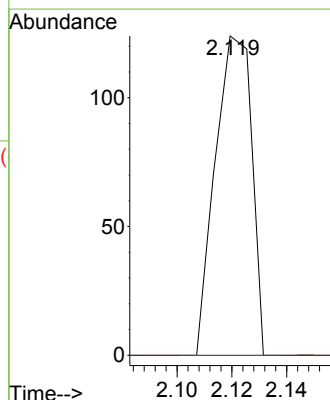
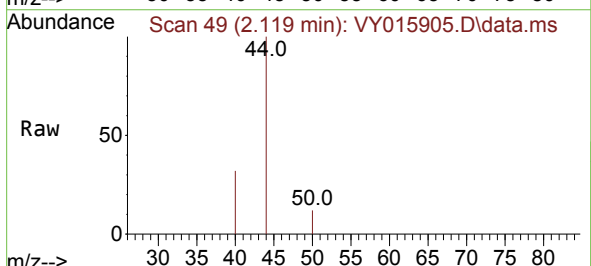
Instrument :
MSVOA_Y
ClientSampleId :

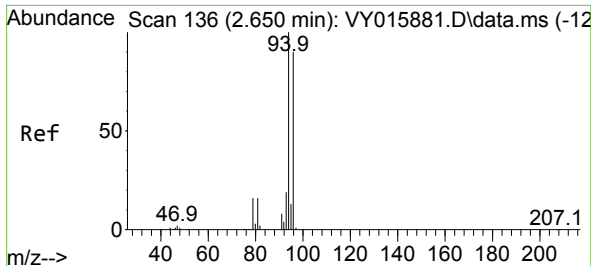
Tgt Ion:168 Resp: 27831
Ion Ratio Lower Upper
168 100
99 55.2 43.4 65.0



#3
Chloromethane
Concen: 1.010 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY015905.D
Acq: 10 Oct 2023 18:26

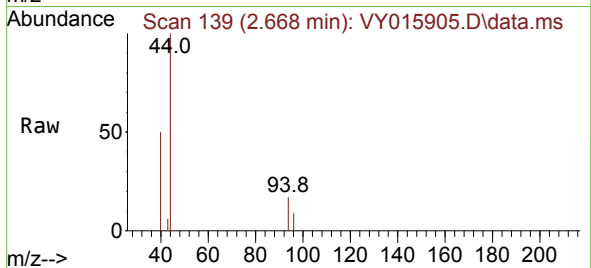
Tgt Ion: 50 Resp: 115
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



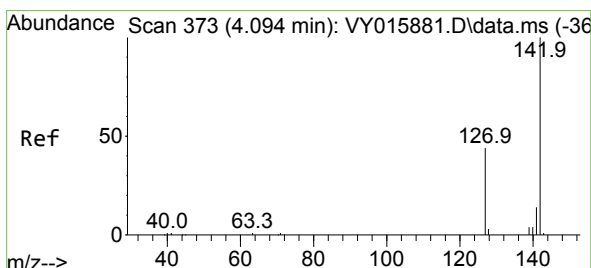
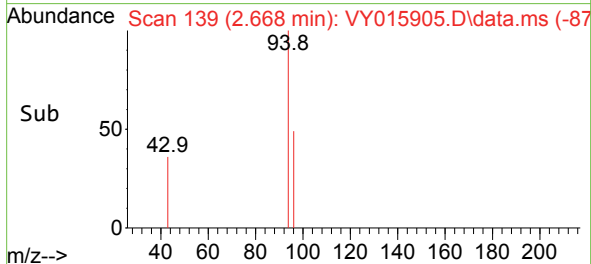
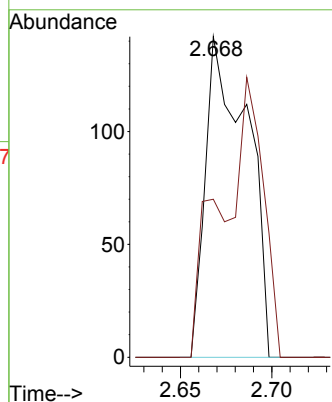


#5
Bromomethane
Concen: 1.898 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY015905.D
Acq: 10 Oct 2023 18:26

Instrument :
MSVOA_Y
ClientSampleId :

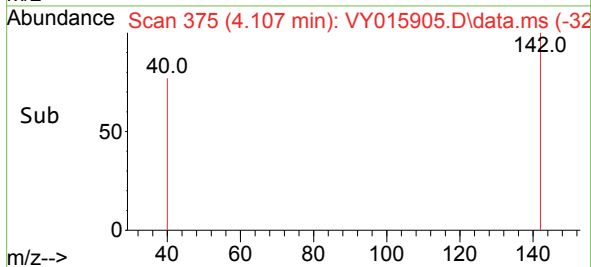
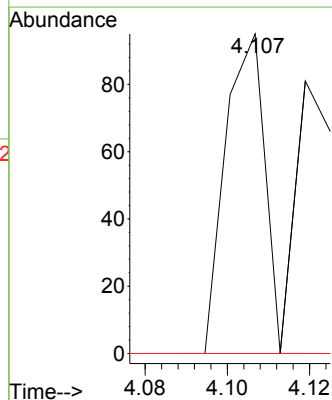
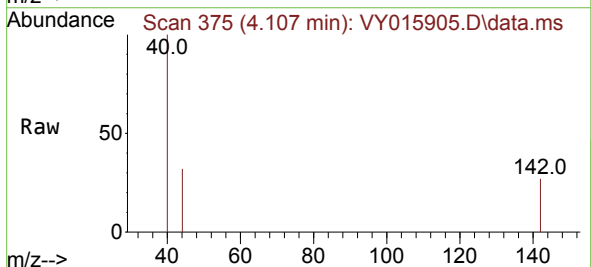


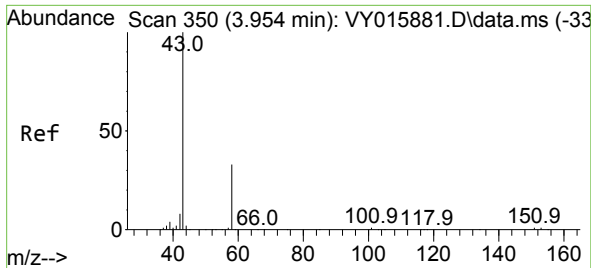
Tgt Ion: 94 Resp: 226
Ion Ratio Lower Upper
94 100
96 49.3 75.8 113.6#



#10
Methyl Iodide
Concen: 2.559 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.013 min
Lab File: VY015905.D
Acq: 10 Oct 2023 18:26

Tgt Ion:142 Resp: 63
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

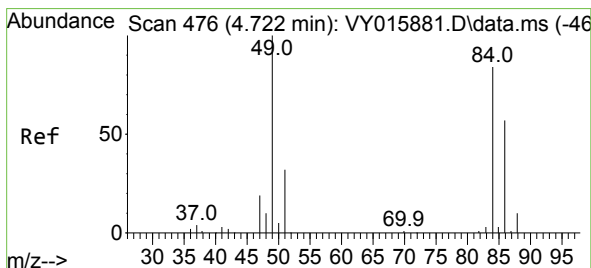
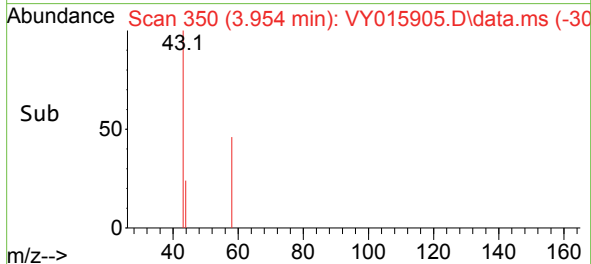
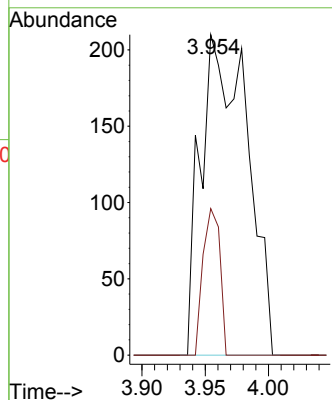
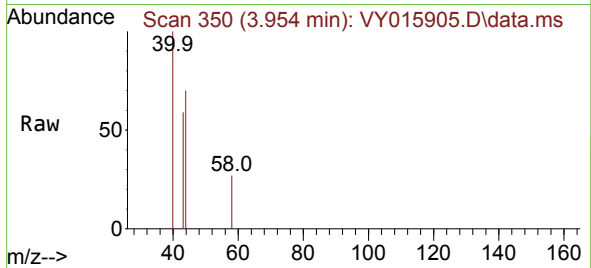




#16
Acetone
Concen: 10.376 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY015905.D
Acq: 10 Oct 2023 18:26

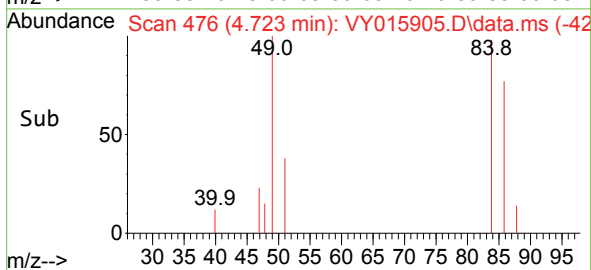
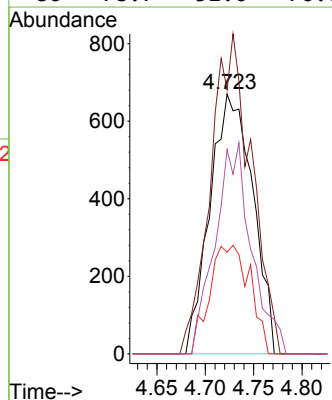
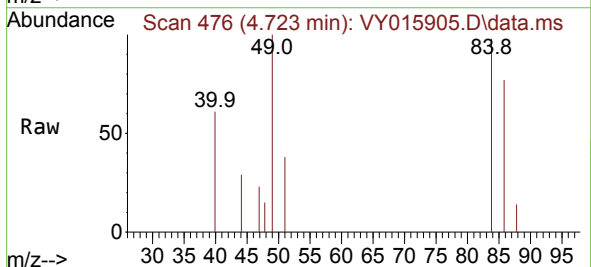
Instrument :
MSVOA_Y
ClientSampleId :

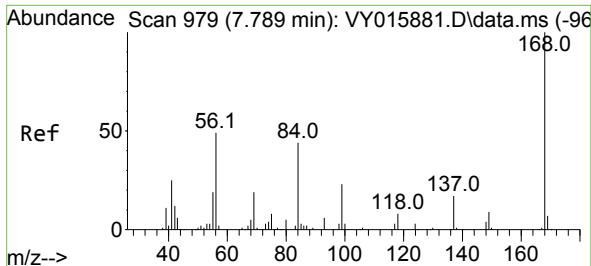
Tgt Ion: 43 Resp: 538
Ion Ratio Lower Upper
43 100
58 45.7 22.7 34.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.723 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY015905.D
Acq: 10 Oct 2023 18:26

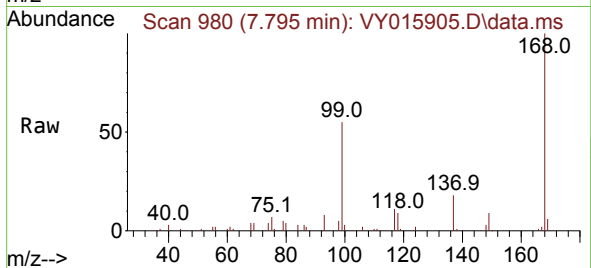
Tgt Ion: 84 Resp: 2059
Ion Ratio Lower Upper
84 100
49 101.6 106.9 160.3#
51 39.1 33.2 49.8
86 78.7 51.0 76.6#



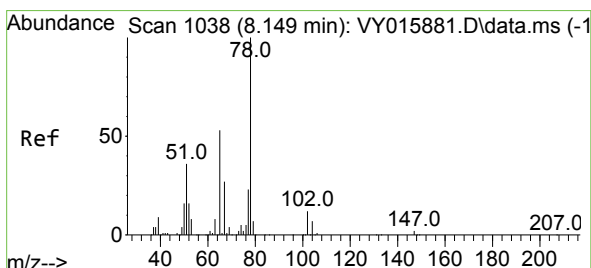
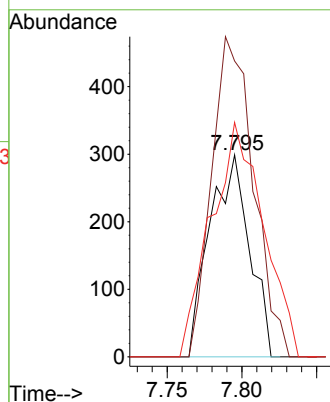
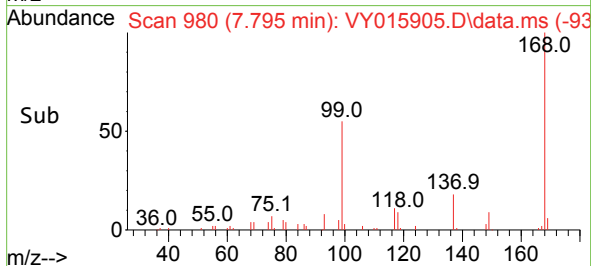


#31
Cyclohexane
Concen: 2.066 ug/l
RT: 7.795 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY015905.D
Acq: 10 Oct 2023 18:26

Instrument :
MSVOA_Y
ClientSampleId :

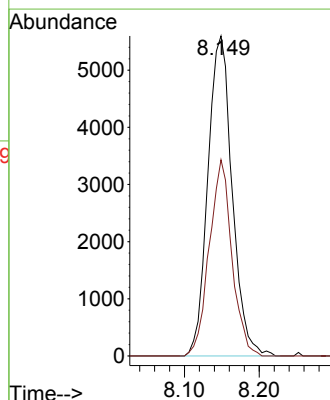
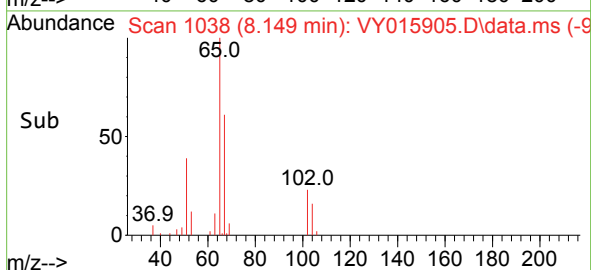
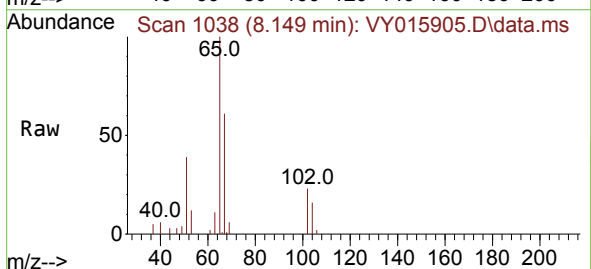


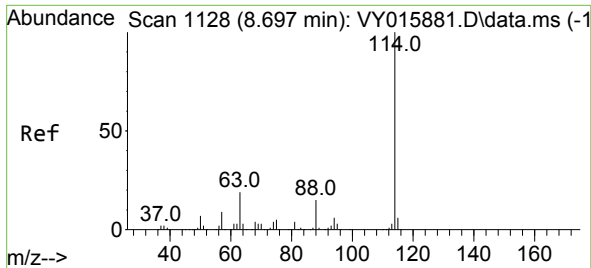
Tgt Ion: 56 Resp: 554
Ion Ratio Lower Upper
56 100
69 146.5 27.8 41.6#
84 116.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 50.531 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY015905.D
Acq: 10 Oct 2023 18:26

Tgt Ion: 65 Resp: 12654
Ion Ratio Lower Upper
65 100
67 57.1 0.0 101.8

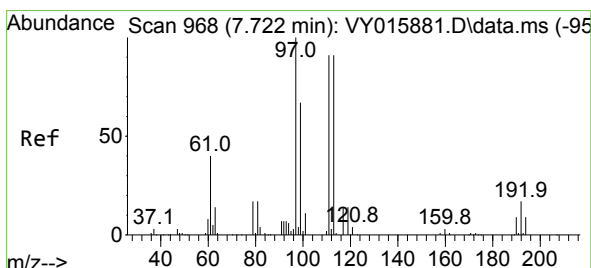
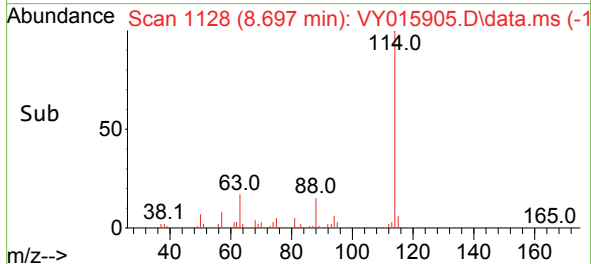
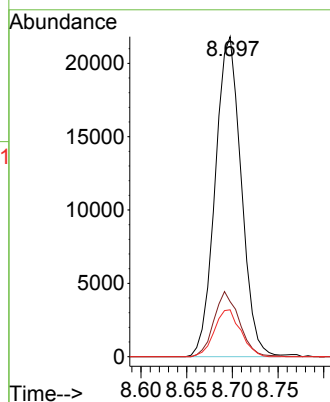
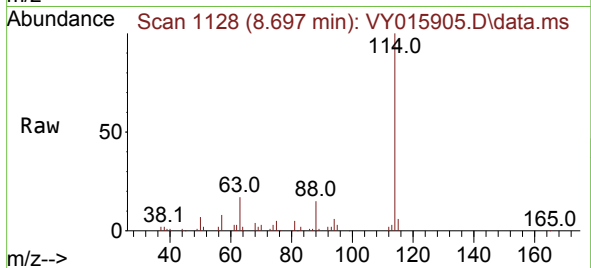




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY015905.D
Acq: 10 Oct 2023 18:26

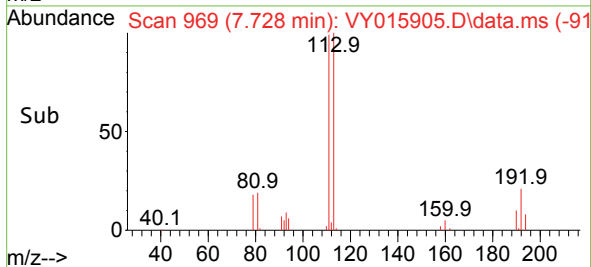
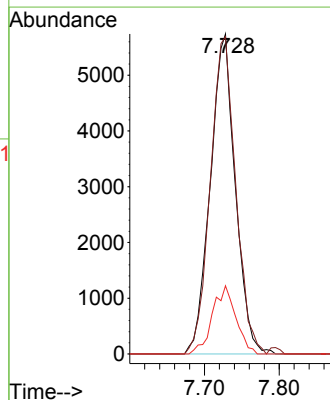
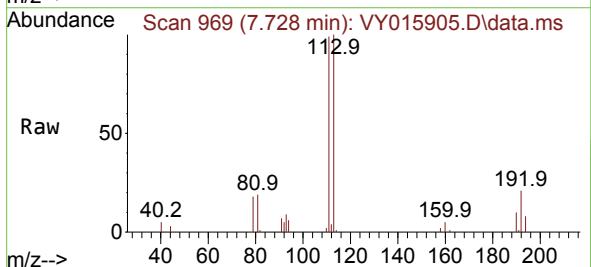
Instrument :
MSVOA_Y
ClientSampleId :

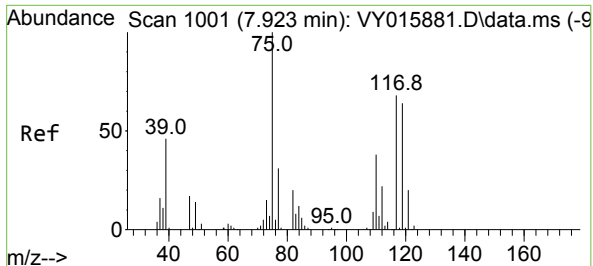
Tgt Ion:114	Resp:	43121
Ion	Ratio	Lower Upper
114	100	
63	17.2	0.0 42.4
88	14.7	0.0 30.6



#35
Dibromofluoromethane
Concen: 55.438 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY015905.D
Acq: 10 Oct 2023 18:26

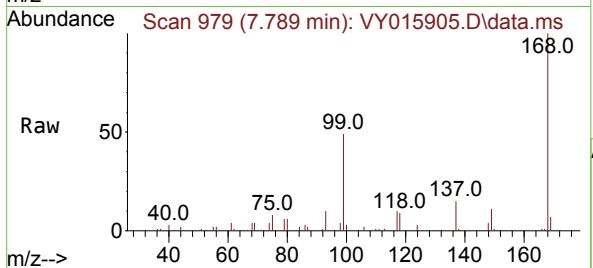
Tgt Ion:113	Resp:	13334
Ion	Ratio	Lower Upper
113	100	
111	100.7	81.3 121.9
192	20.1	16.9 25.3



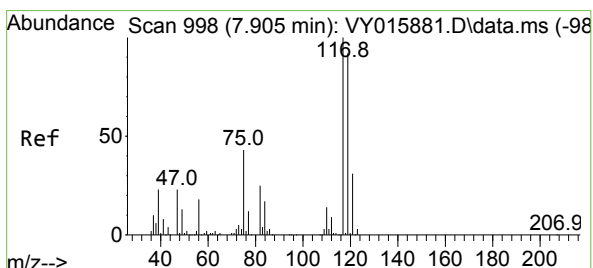
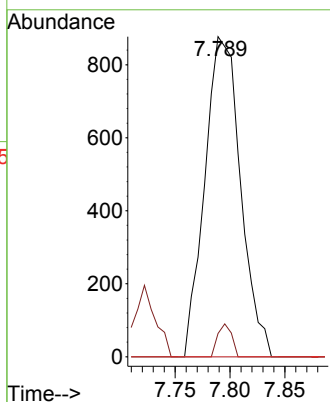
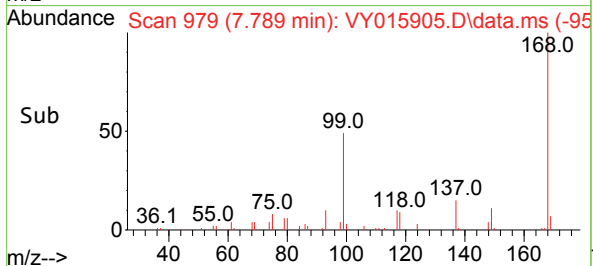


#36
 1,1-Dichloropropene
 Concen: 7.478 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY015905.D
 Acq: 10 Oct 2023 18:26

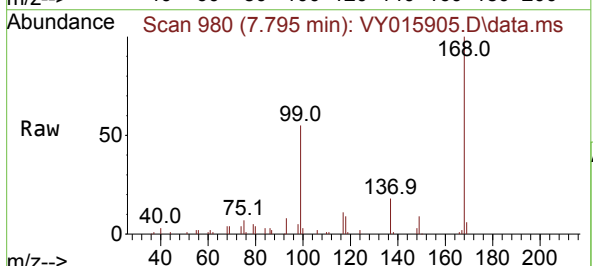
Instrument :
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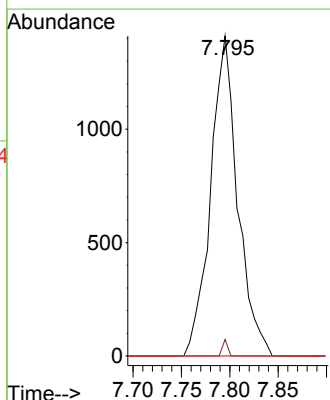
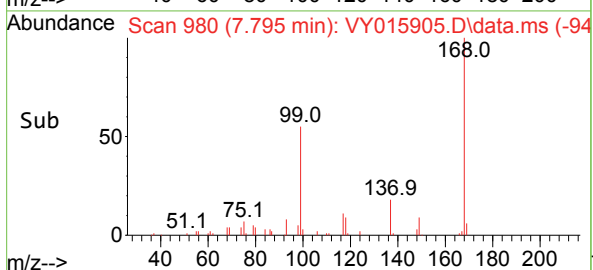
Tgt Ion: 75 Resp: 1992
 Ion Ratio Lower Upper
 75 100
 110 4.0 17.8 53.5#
 77 0.0 24.4 36.6#

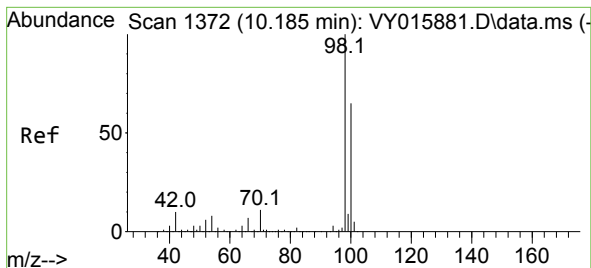


#38
 Carbon Tetrachloride
 Concen: 8.581 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.110 min
 Lab File: VY015905.D
 Acq: 10 Oct 2023 18:26



Tgt Ion: 117 Resp: 2745
 Ion Ratio Lower Upper
 117 100
 119 5.2 76.4 114.6#
 121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 63.453 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015905.D

Acq: 10 Oct 2023 18:26

Instrument :

MSVOA_Y

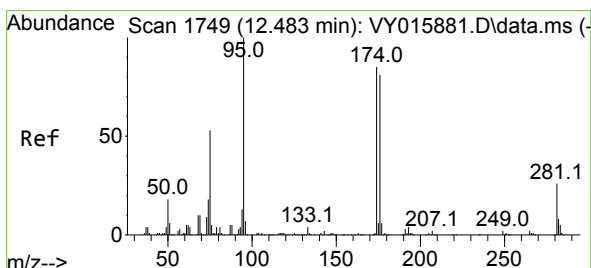
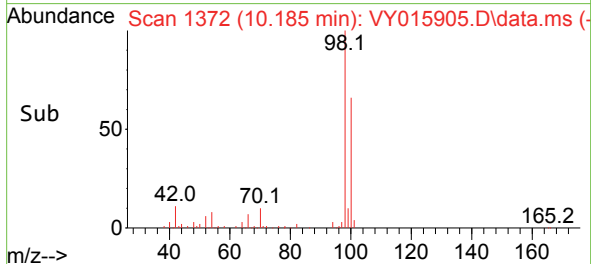
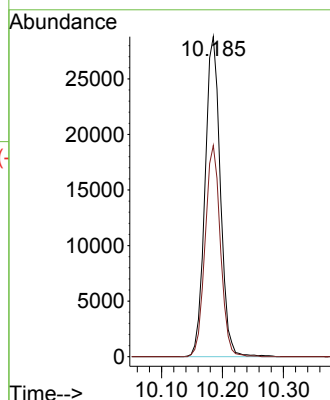
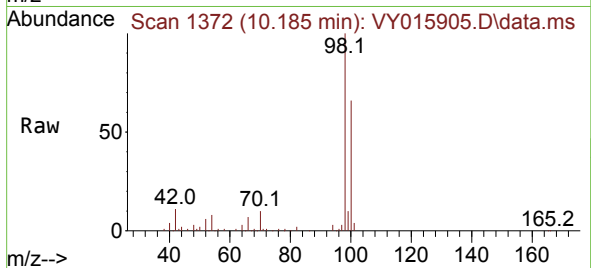
ClientSampleId :

Tgt Ion: 98 Resp: 50298

Ion Ratio Lower Upper

98 100

100 65.8 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 44.144 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY015905.D

Acq: 10 Oct 2023 18:26

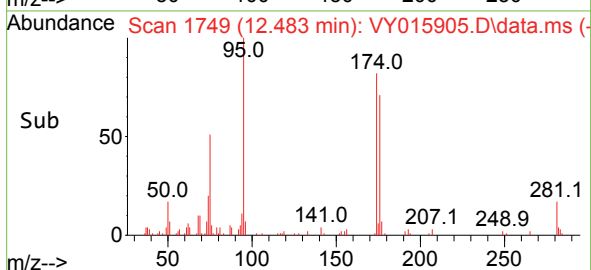
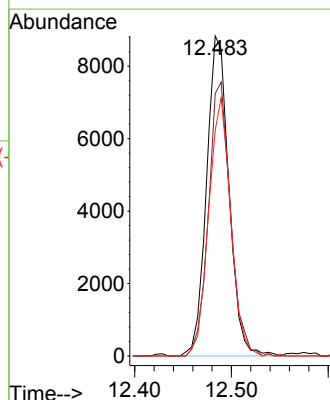
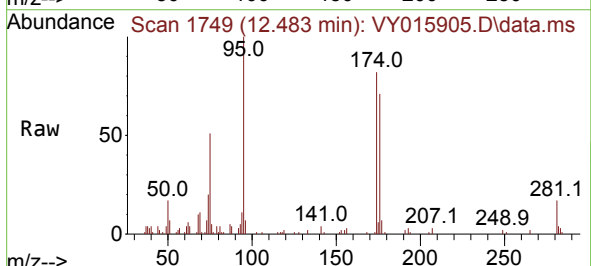
Tgt Ion: 95 Resp: 14213

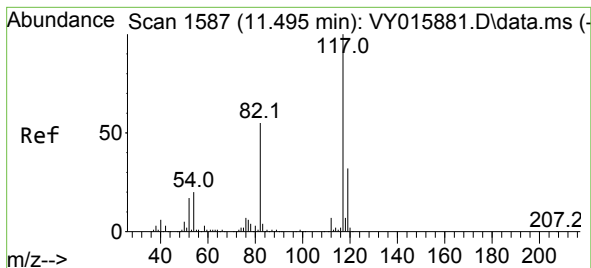
Ion Ratio Lower Upper

95 100

174 83.8 0.0 178.2

176 79.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015905.D

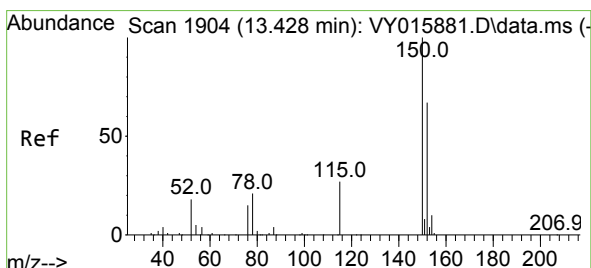
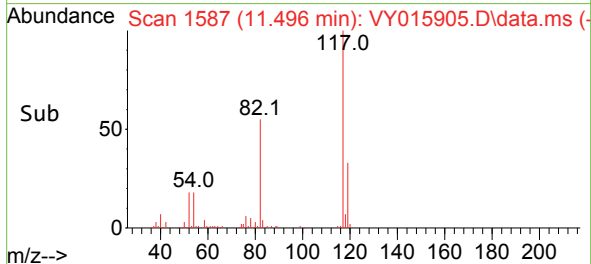
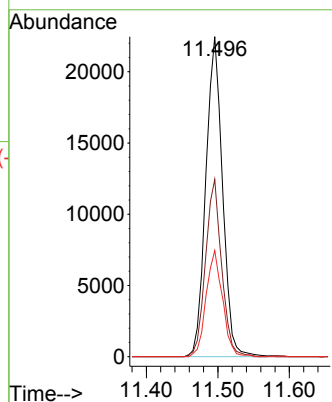
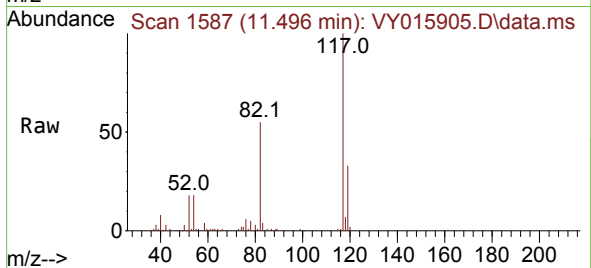
Acq: 10 Oct 2023 18:26

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	36410
Ion Ratio	Lower	Upper
117	100	
82	55.4	43.4 65.0
119	33.1	26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

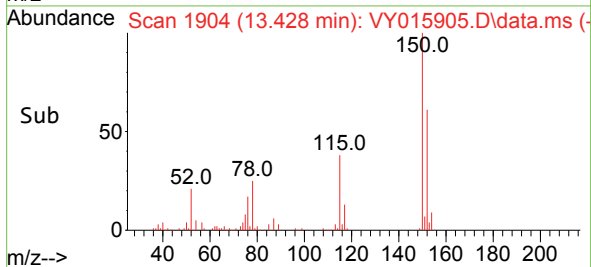
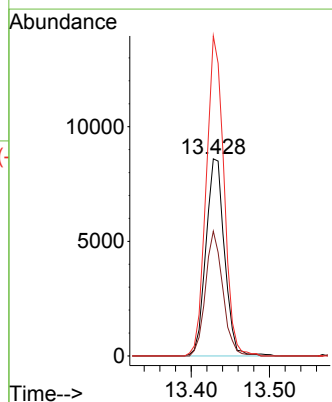
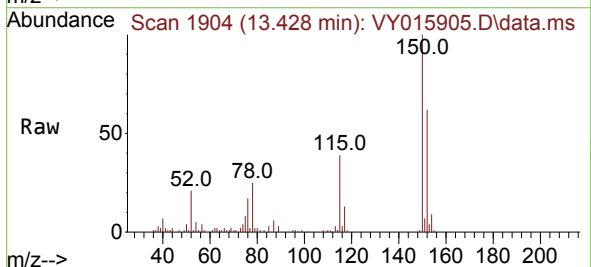
RT: 13.428 min Scan# 1904

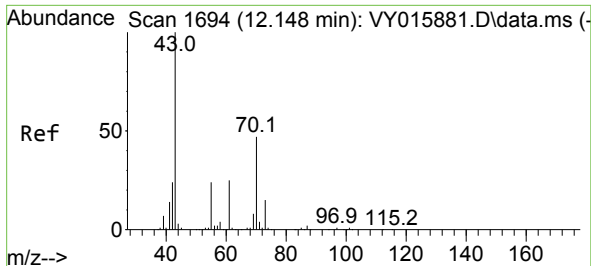
Delta R.T. 0.000 min

Lab File: VY015905.D

Acq: 10 Oct 2023 18:26

Tgt Ion:152	Resp:	14166
Ion Ratio	Lower	Upper
152	100	
115	59.2	28.8 86.5
150	154.2	0.0 348.8

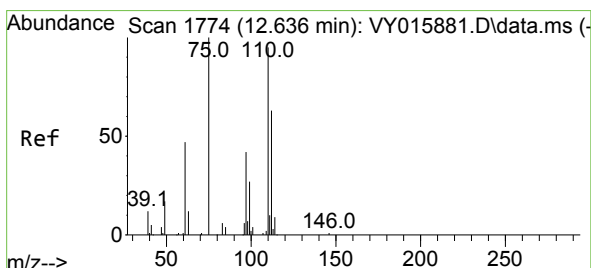
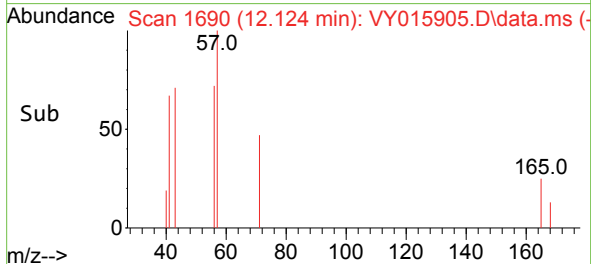
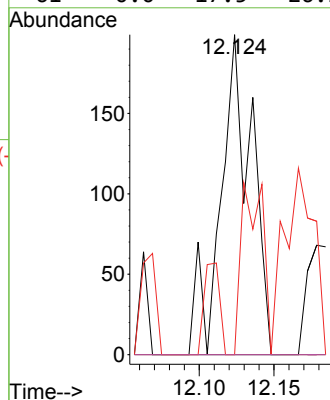
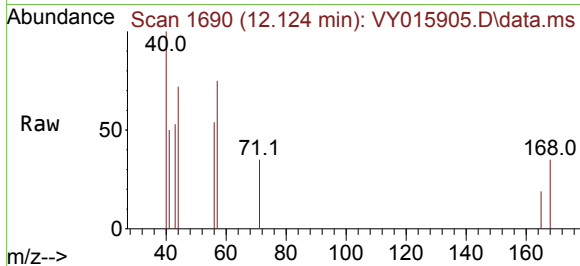




#74
N-amy1 acetate
Concen: 1.023 ug/l
RT: 12.124 min Scan# 1
Delta R.T. -0.024 min
Lab File: VY015905.D
Acq: 10 Oct 2023 18:26

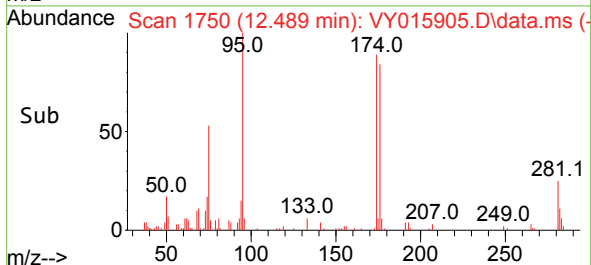
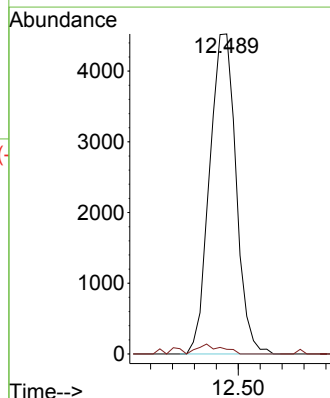
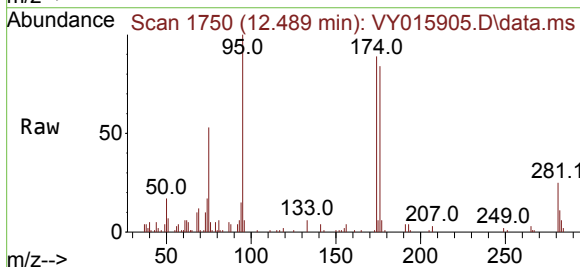
Instrument :
MSVOA_Y
ClientSampleId :

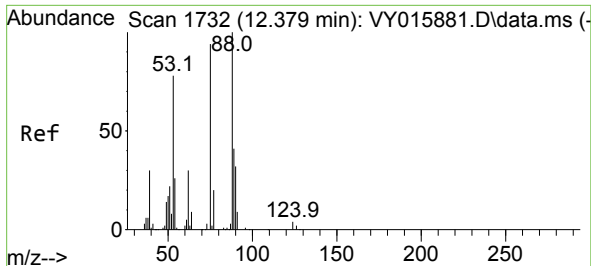
Tgt Ion: 43	Resp:	288
Ion	Ratio	Lower Upper
43	100	
70	0.0	29.7 44.5#
55	36.8	18.3 27.5#
61	0.0	17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 45.885 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY015905.D
Acq: 10 Oct 2023 18:26

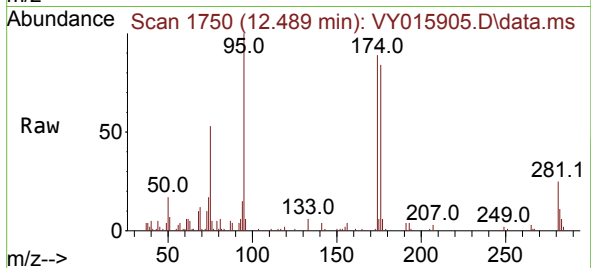
Tgt Ion: 75	Resp:	7588
Ion	Ratio	Lower Upper
75	100	
77	2.8	0.0 0.0#



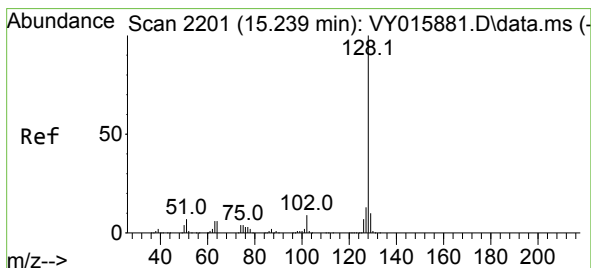
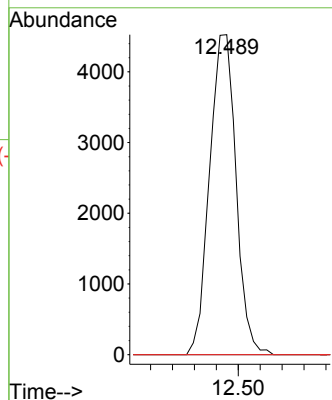
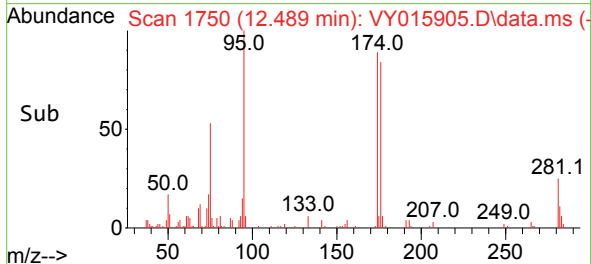


#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.750 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. 0.110 min
 Lab File: VY015905.D
 Acq: 10 Oct 2023 18:26

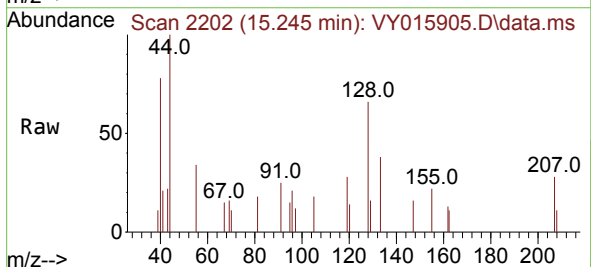
Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 7588
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#



#95
 Naphthalene
 Concen: 1.081 ug/l
 RT: 15.245 min Scan# 2202
 Delta R.T. 0.006 min
 Lab File: VY015905.D
 Acq: 10 Oct 2023 18:26



Tgt Ion: 128 Resp: 657
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.8 16.2#
 129 11.4 8.6 13.0

