

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101623\
 Data File : VY015982.D
 Acq On : 16 Oct 2023 14:19
 Operator : SY/MD
 Sample : 04882-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 17 05:42:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

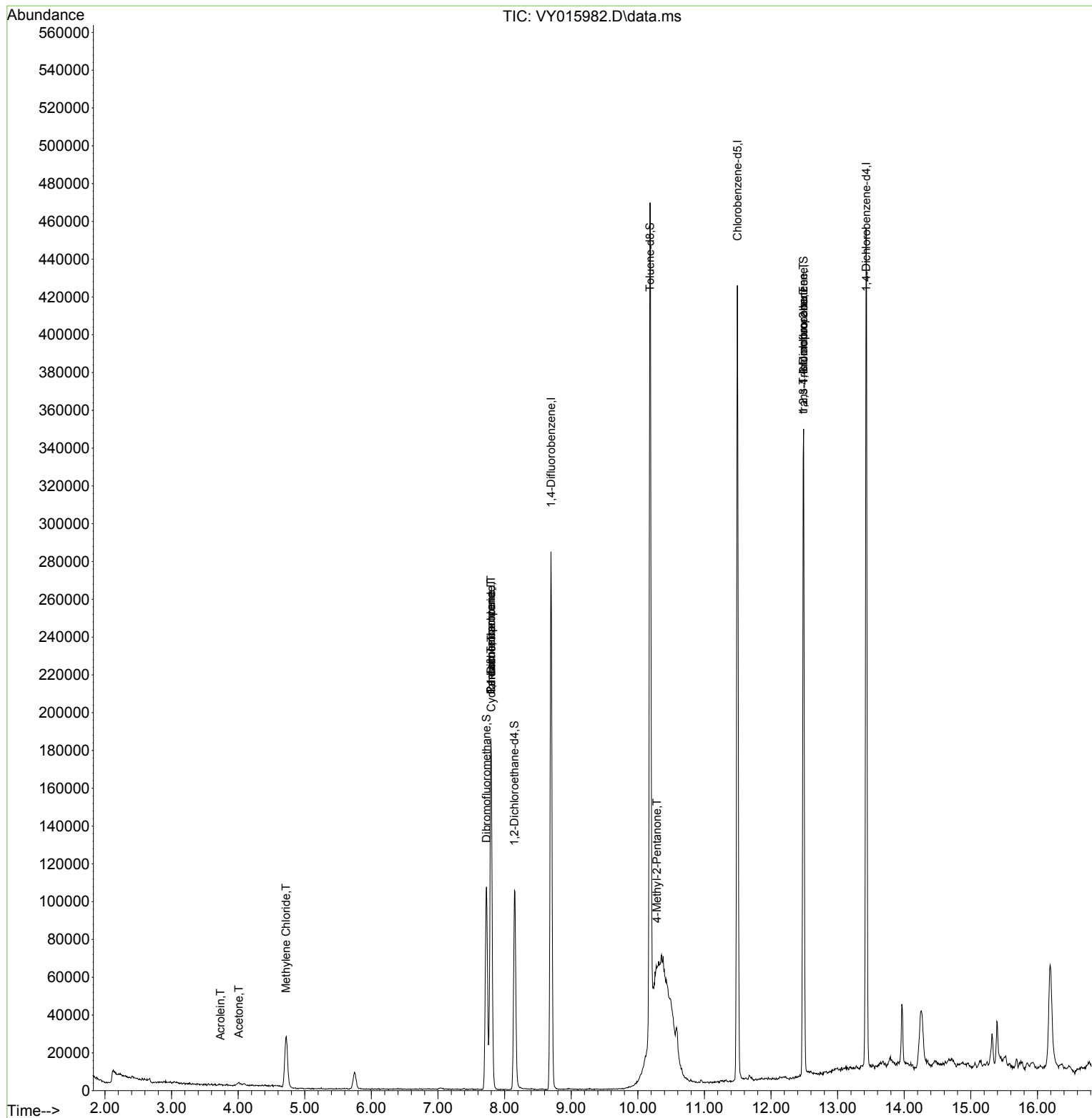
Internal Standards						
1) Pentafluorobenzene	7.795	168	145773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	239164	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	227887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	114666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	88099	52.954	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.900%	
35) Dibromofluoromethane	7.728	113	79150	52.568	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.140%	
50) Toluene-d8	10.185	98	291332	51.667	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.340%	
62) 4-Bromofluorobenzene	12.489	95	104091	51.843	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.680%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	869	Below Cal	#	87
13) Acrolein	3.735	56	320	1.018	ug/l #	44
16) Acetone	4.009	43	2667	2.760	ug/l	98
20) Methylene Chloride	4.716	84	20672	7.689	ug/l	97
31) Cyclohexane	7.801	56	2904	1.097	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	11086	4.880	ug/l #	50
38) Carbon Tetrachloride	7.795	117	14333	5.991	ug/l #	17
51) 4-Methyl-2-Pentanone	10.288	43	55727	20.080	ug/l #	39
76) 1,2,3-Trichloropropane	12.483	75	53125	23.674	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	53125	55.768	ug/l #	11

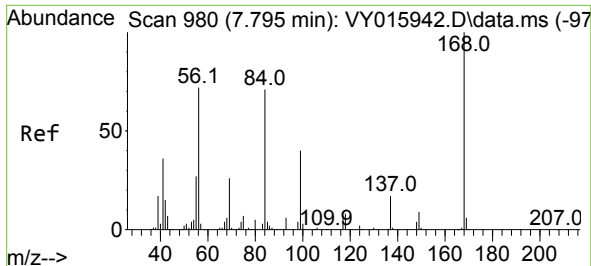
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

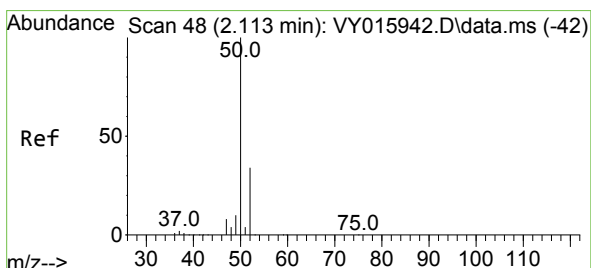
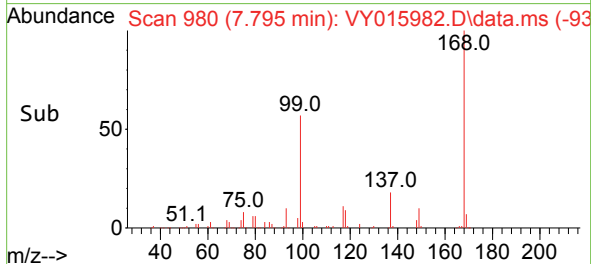
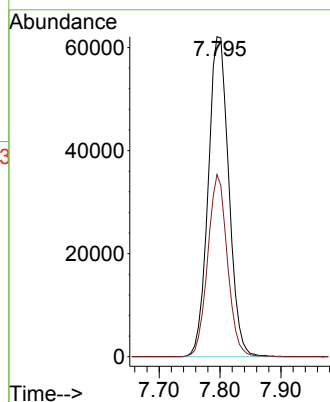
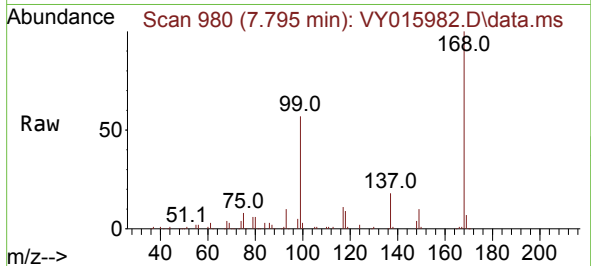




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY015982.D
Acq: 16 Oct 2023 14:19

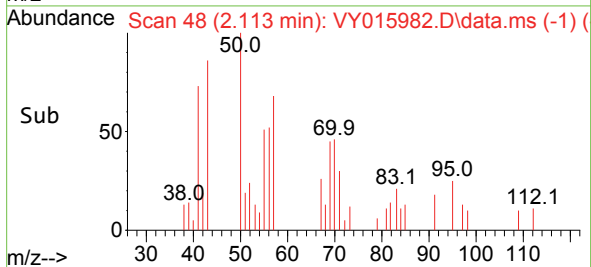
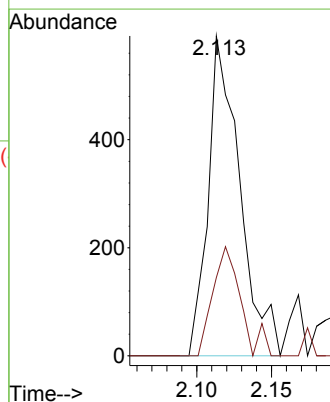
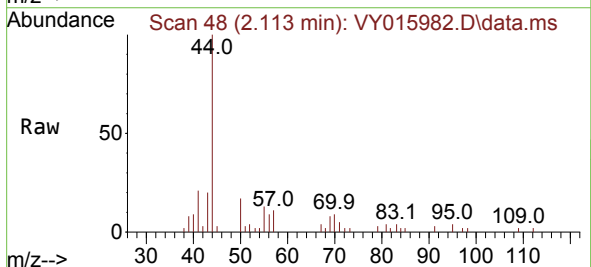
Instrument :
MSVOA_Y
ClientSampleId :

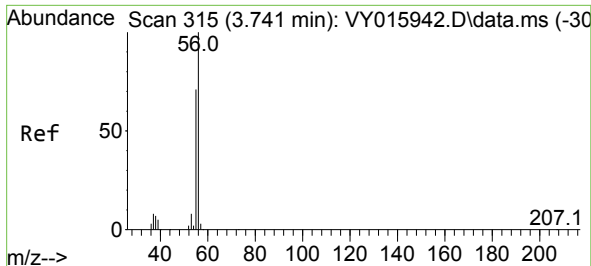
Tgt Ion:168 Resp: 145773
Ion Ratio Lower Upper
168 100
99 56.9 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY015982.D
Acq: 16 Oct 2023 14:19

Tgt Ion: 50 Resp: 869
Ion Ratio Lower Upper
50 100
52 24.5 25.4 38.2#

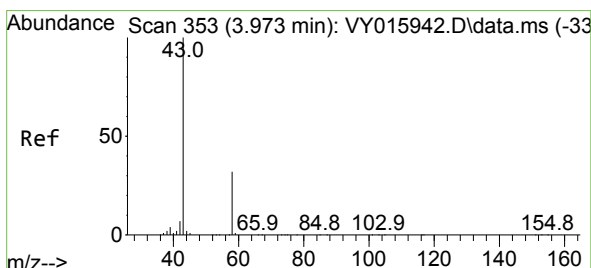
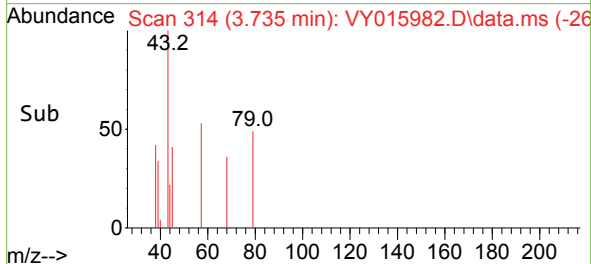
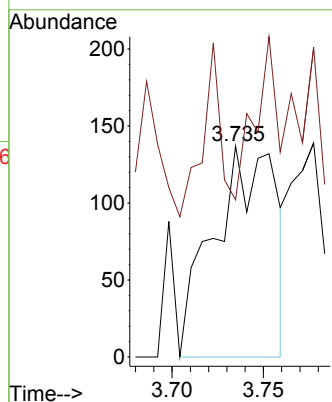
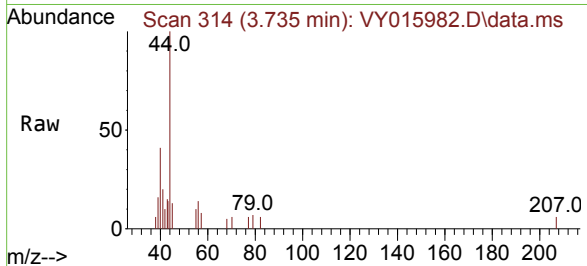




#13
Acrolein
Concen: 1.018 ug/l
RT: 3.735 min Scan# 315
Delta R.T. -0.006 min
Lab File: VY015982.D
Acq: 16 Oct 2023 14:19

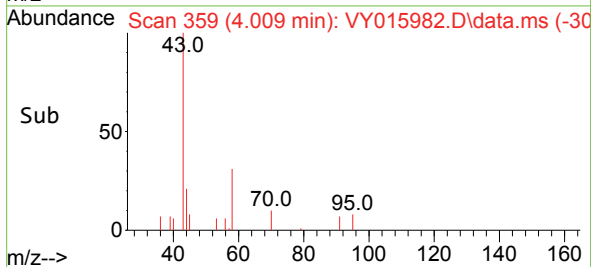
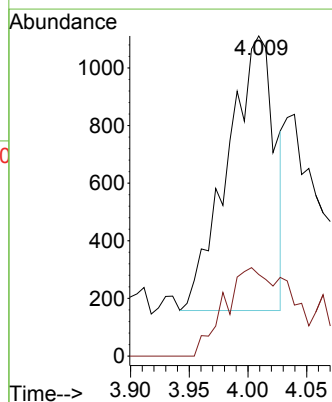
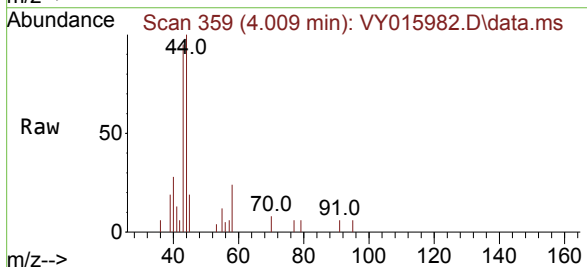
Instrument :
MSVOA_Y
ClientSampleId :

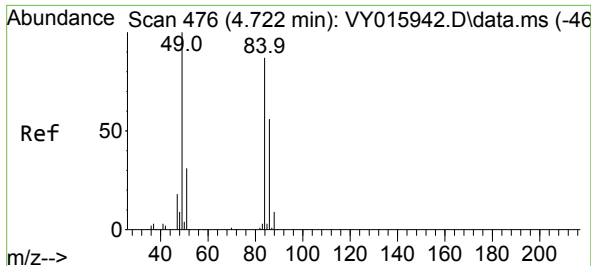
Tgt Ion: 56 Resp: 320
Ion Ratio Lower Upper
56 100
55 24.7 57.0 85.4#



#16
Acetone
Concen: 2.760 ug/l
RT: 4.009 min Scan# 359
Delta R.T. 0.037 min
Lab File: VY015982.D
Acq: 16 Oct 2023 14:19

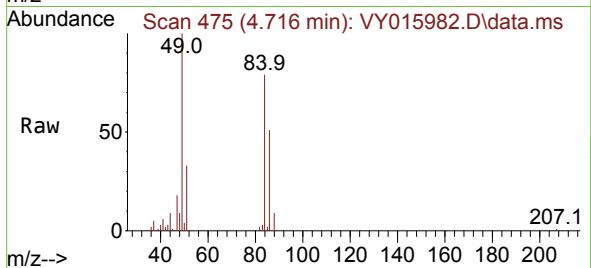
Tgt Ion: 43 Resp: 2667
Ion Ratio Lower Upper
43 100
58 29.7 22.7 34.1



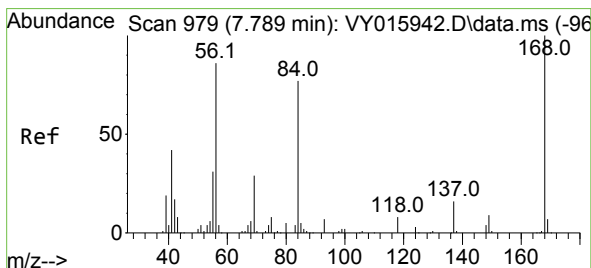
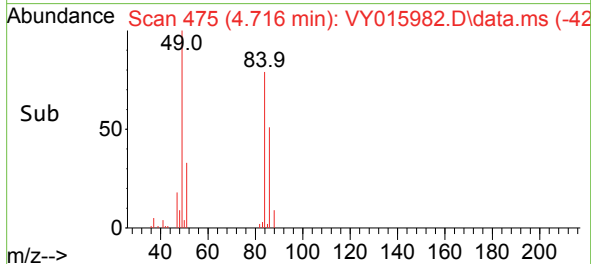
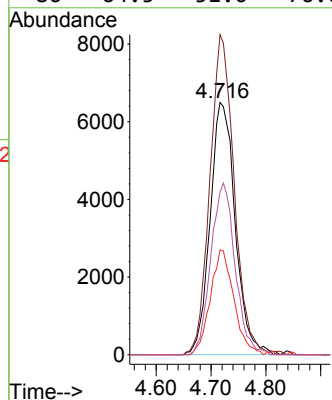


#20
Methylene Chloride
Concen: 7.689 ug/l
RT: 4.716 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015982.D
Acq: 16 Oct 2023 14:19

Instrument :
MSVOA_Y
ClientSampleId :

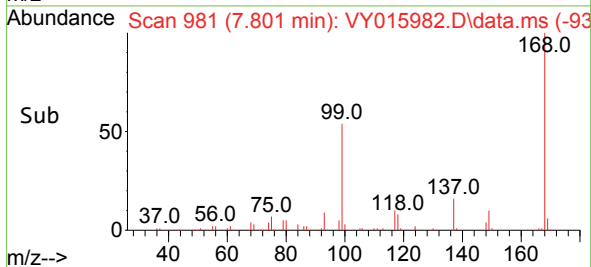
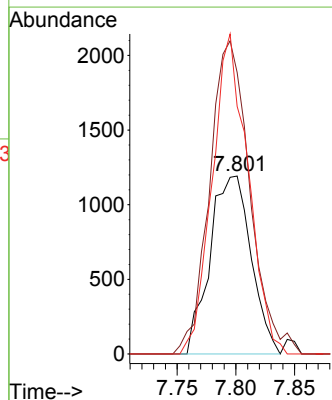
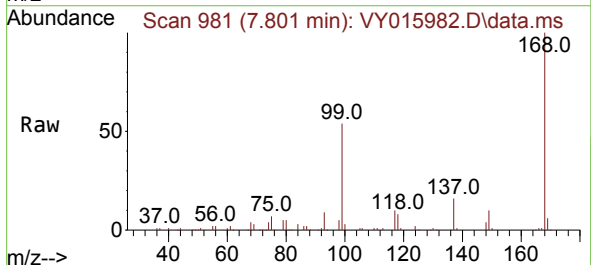


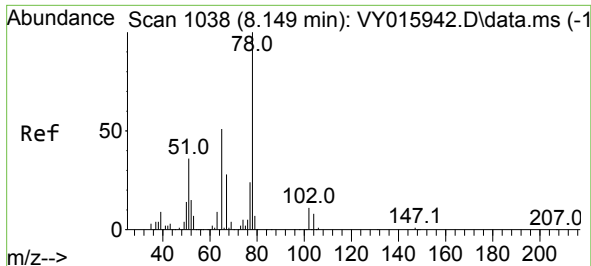
Tgt Ion: 84	Resp: 20672
Ion Ratio	Lower Upper
84 100	
49 126.9	106.9 160.3
51 41.6	33.2 49.8
86 64.5	51.0 76.6



#31
Cyclohexane
Concen: 1.097 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY015982.D
Acq: 16 Oct 2023 14:19

Tgt Ion: 56	Resp: 2904
Ion Ratio	Lower Upper
56 100	
69 153.6	27.8 41.6#
84 139.2	66.4 99.6#

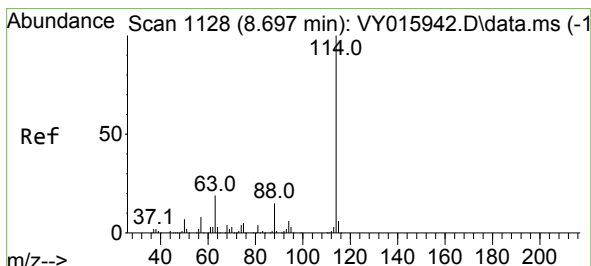
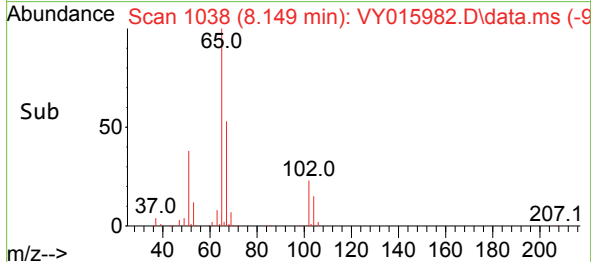
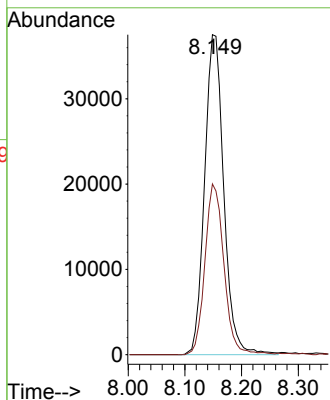
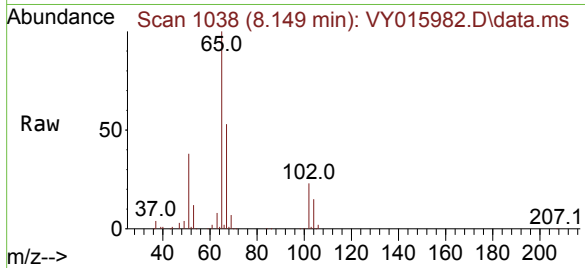




#33
 1,2-Dichloroethane-d4
 Concen: 52.954 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. 0.000 min
 Lab File: VY015982.D
 Acq: 16 Oct 2023 14:19

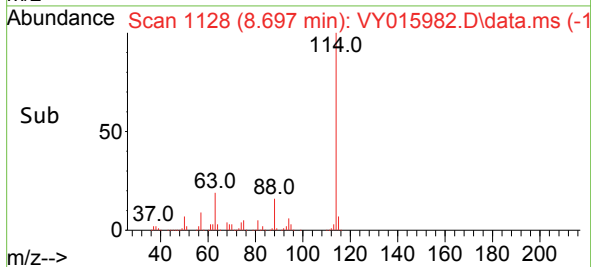
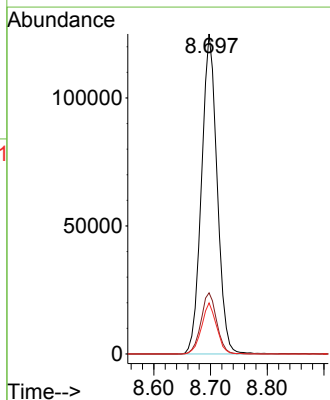
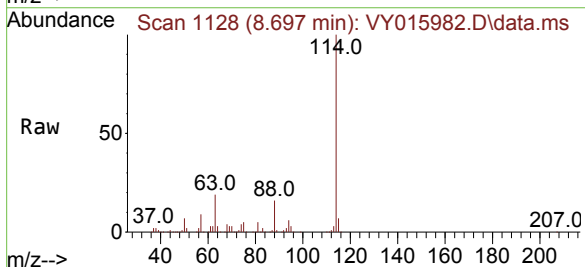
Instrument :
 MSVOA_Y
 ClientSampleId :

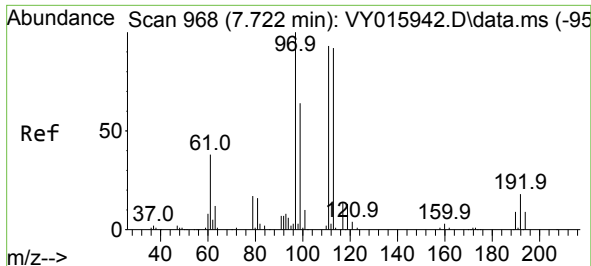
Tgt Ion: 65 Resp: 88099
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.000 min
 Lab File: VY015982.D
 Acq: 16 Oct 2023 14:19

Tgt Ion:114 Resp: 239164
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 42.4
 88 16.0 0.0 30.6

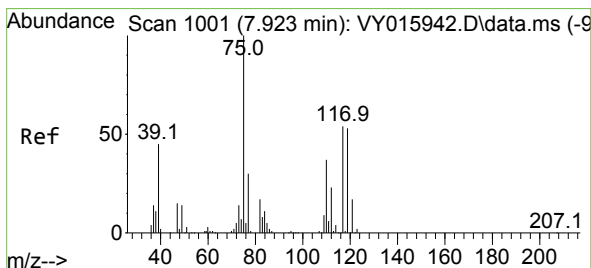
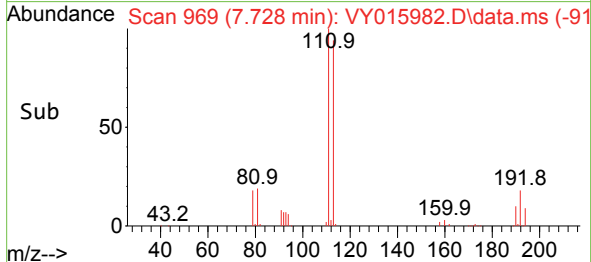
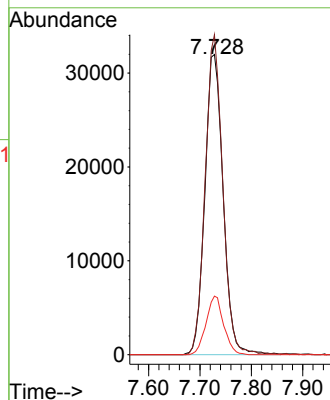
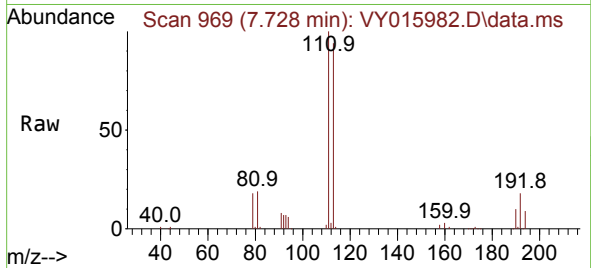




#35
Dibromofluoromethane
Concen: 52.568 ug/l
RT: 7.728 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY015982.D
Acq: 16 Oct 2023 14:19

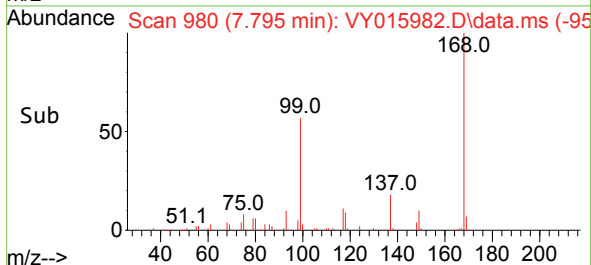
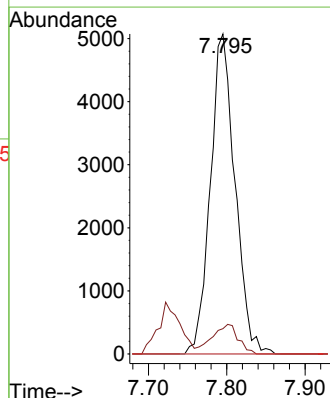
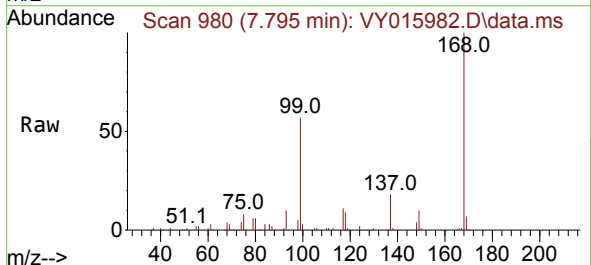
Instrument :
MSVOA_Y
ClientSampleId :

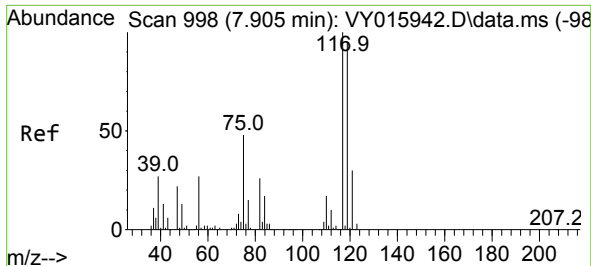
Tgt Ion:113 Resp: 79150
Ion Ratio Lower Upper
113 100
111 102.1 81.3 121.9
192 18.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.880 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY015982.D
Acq: 16 Oct 2023 14:19

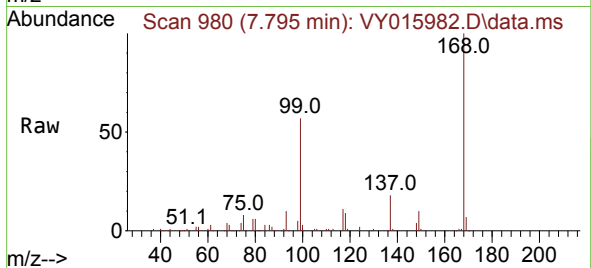
Tgt Ion: 75 Resp: 11086
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#



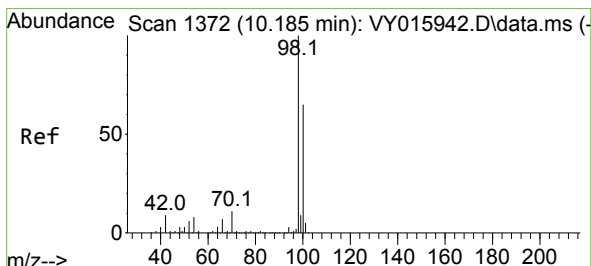
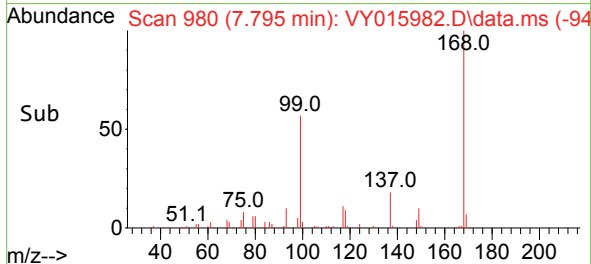
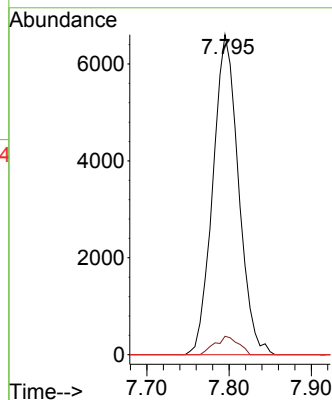


#38
Carbon Tetrachloride
Concen: 5.991 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015982.D
Acq: 16 Oct 2023 14:19

Instrument :
MSVOA_Y
ClientSampleId :

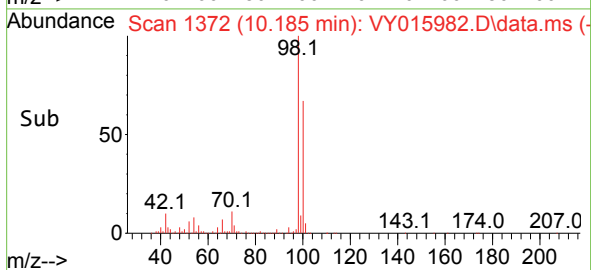
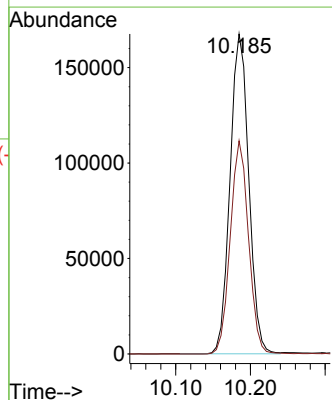
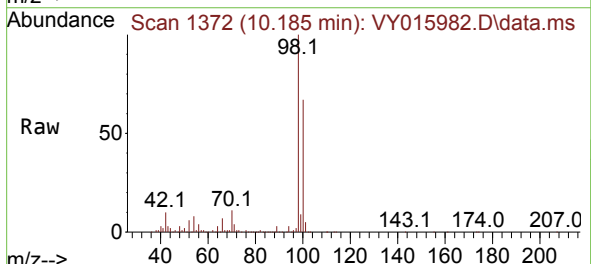


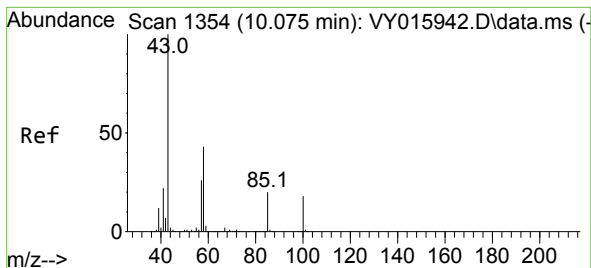
Tgt Ion:117 Resp: 14333
Ion Ratio Lower Upper
117 100
119 5.8 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 51.667 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY015982.D
Acq: 16 Oct 2023 14:19

Tgt Ion: 98 Resp: 291332
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1

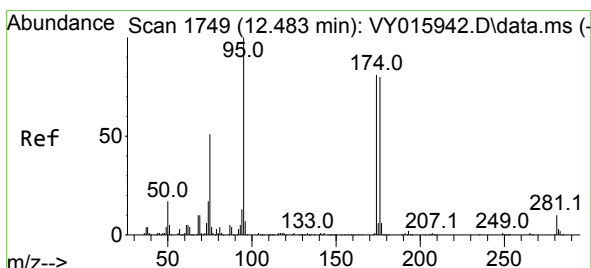
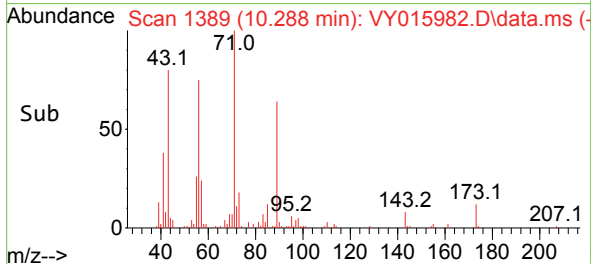
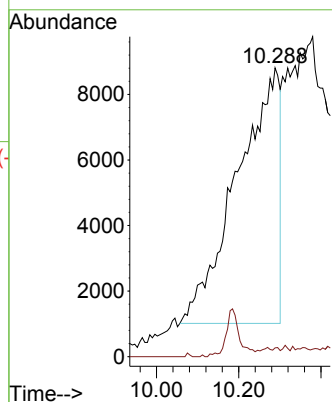
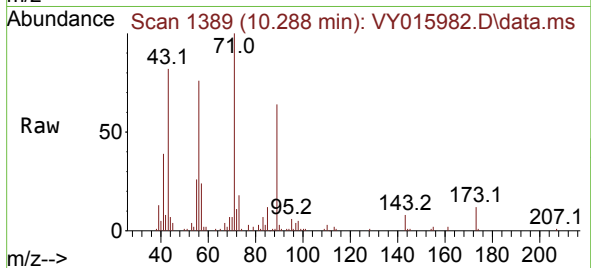




#51
4-Methyl-2-Pentanone
Concen: 20.080 ug/l
RT: 10.288 min Scan# 11
Delta R.T. 0.213 min
Lab File: VY015982.D
Acq: 16 Oct 2023 14:19

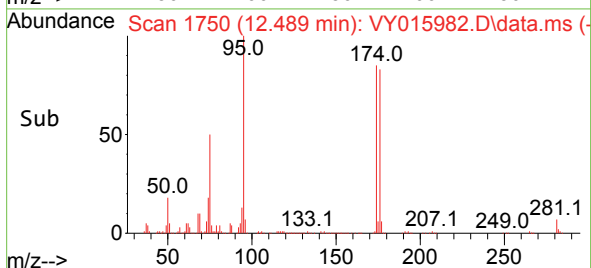
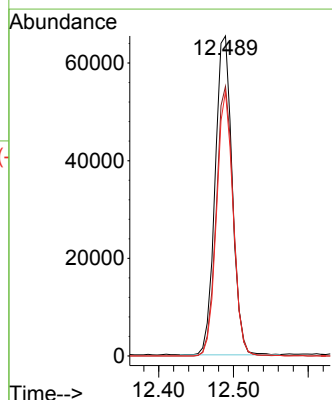
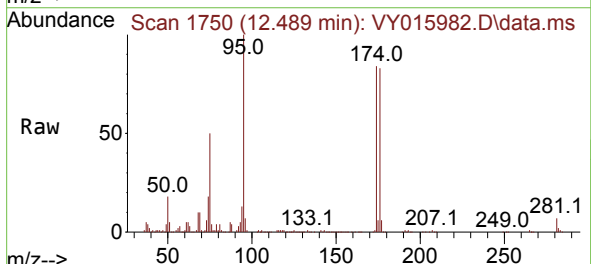
Instrument :
MSVOA_Y
ClientSampleId :

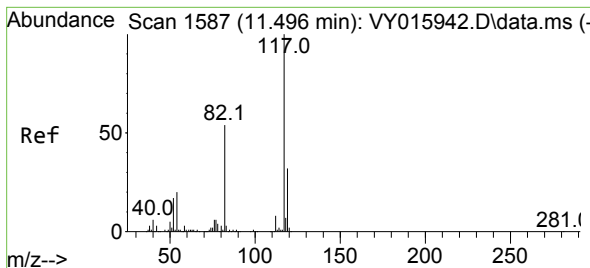
Tgt Ion: 43 Resp: 55727
Ion Ratio Lower Upper
43 100
58 0.3 29.0 43.6#



#62
4-Bromofluorobenzene
Concen: 51.843 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY015982.D
Acq: 16 Oct 2023 14:19

Tgt Ion: 95 Resp: 104091
Ion Ratio Lower Upper
95 100
174 84.3 0.0 178.2
176 80.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 1

Delta R.T. 0.000 min

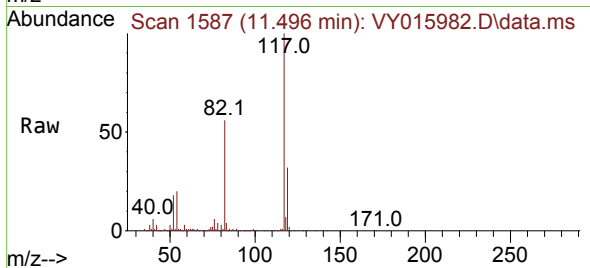
Lab File: VY015982.D

Acq: 16 Oct 2023 14:19

Instrument :

MSVOA_Y

ClientSampleId :



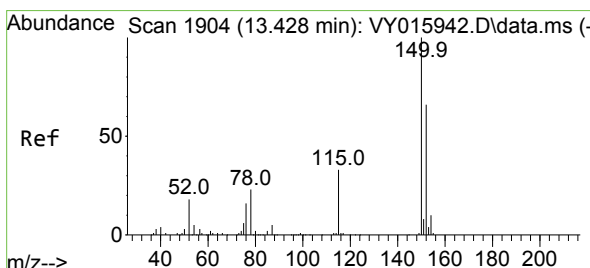
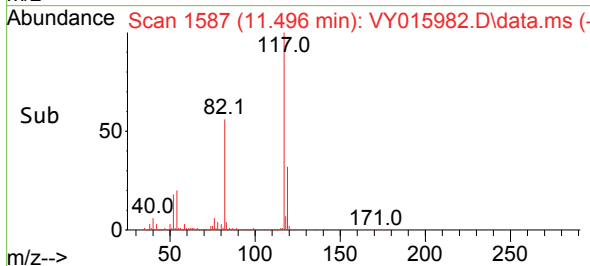
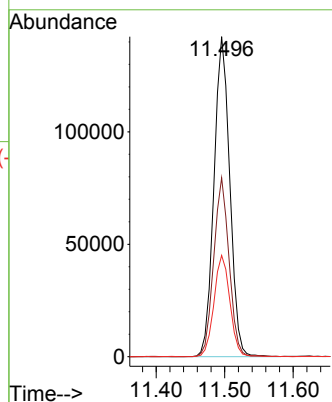
Tgt Ion:117 Resp: 227887

Ion Ratio Lower Upper

117 100

82 55.9 43.4 65.0

119 31.7 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: VY015982.D

Acq: 16 Oct 2023 14:19

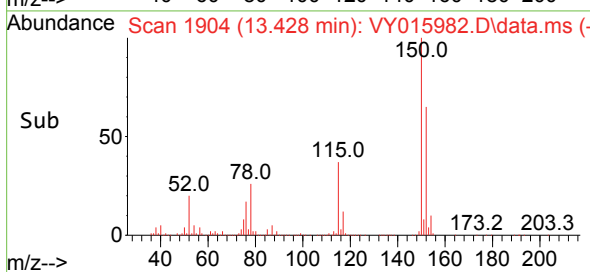
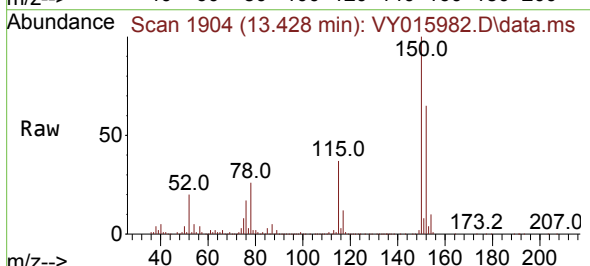
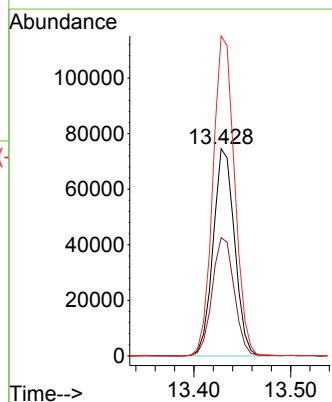
Tgt Ion:152 Resp: 114666

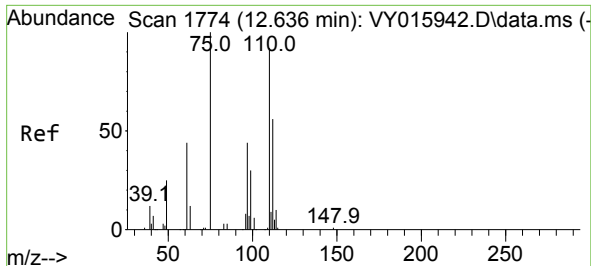
Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 156.7 0.0 348.8

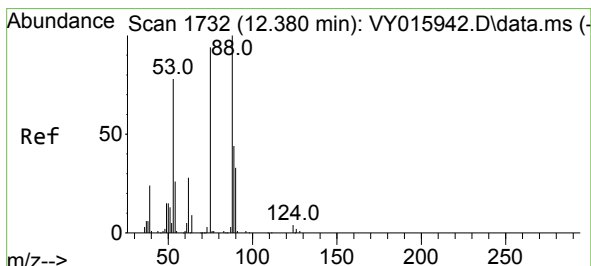
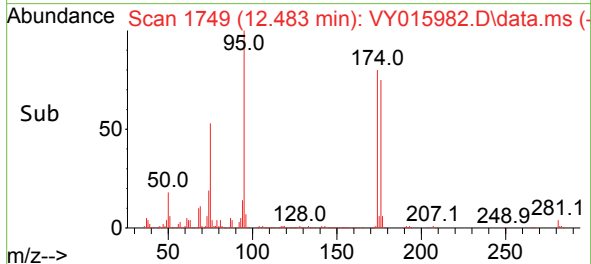
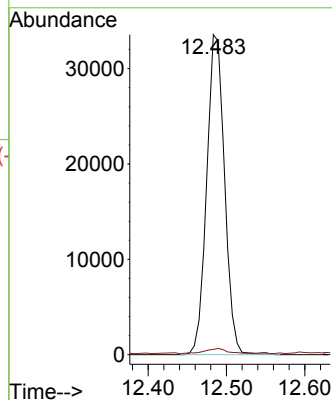
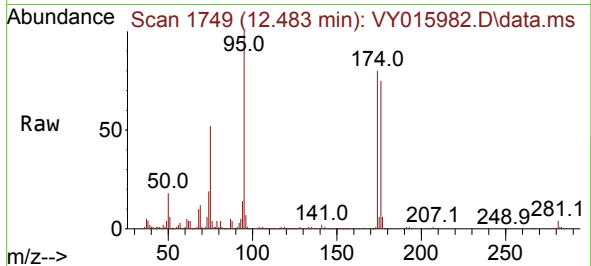




#76
1,2,3-Trichloropropane
Concen: 23.674 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY015982.D
Acq: 16 Oct 2023 14:19

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 53125
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.768 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY015982.D
Acq: 16 Oct 2023 14:19

Tgt Ion: 75 Resp: 53125
Ion Ratio Lower Upper
75 100
53 0.4 77.8 116.8#
89 0.0 37.4 56.0#

