

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101723\
 Data File : VY016008.D
 Acq On : 17 Oct 2023 16:45
 Operator : SY/MD
 Sample : 04920-01
 Misc : 5.60g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 18 06:09:47 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)

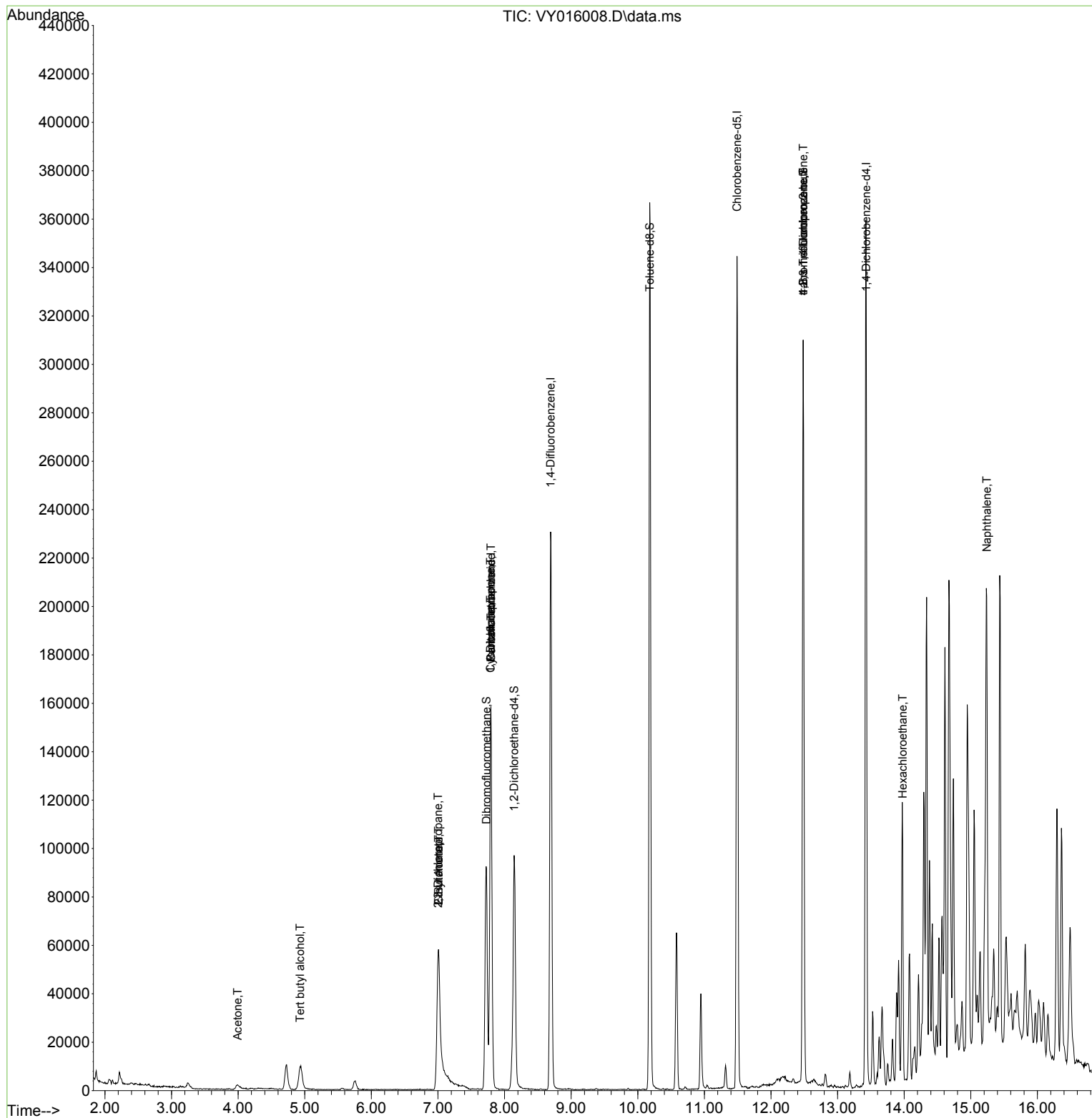
Internal Standards						
1) Pentafluorobenzene	7.795	168	124555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	207611	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	195341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	97338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	75541	53.141	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.280%	
35) Dibromofluoromethane	7.728	113	69670	53.304	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.600%	
50) Toluene-d8	10.179	98	245524	50.161	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.320%	
62) 4-Bromofluorobenzene	12.483	95	83899	48.137	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.280%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	1017	Below Cal		89
11) Tert butyl alcohol	4.930	59	9484	11.499 ug/l	#	91
16) Acetone	3.991	43	5177	6.269 ug/l		98
25) 2-Butanone	7.009	43	4956	4.124 ug/l	#	87
26) 2,2-Dichloropropane	7.003	77	5203	2.591 ug/l	#	54
31) Cyclohexane	7.789	56	2466	1.090 ug/l	#	1
36) 1,1-Dichloropropene	7.789	75	9912	5.026 ug/l	#	48
37) Ethyl Acetate	7.009	43	4956	1.629 ug/l	#	8
38) Carbon Tetrachloride	7.795	117	12535	6.035 ug/l	#	16
76) 1,2,3-Trichloropropane	12.483	75	43018	22.583 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	43018	53.197 ug/l	#	11
90) Hexachloroethane	13.977	117	5322	4.451 ug/l	#	8
95) Naphthalene	15.239	128	153853	23.150 ug/l		99

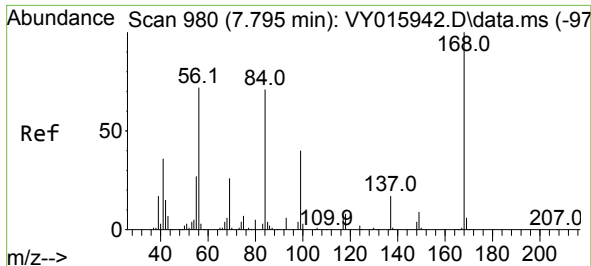
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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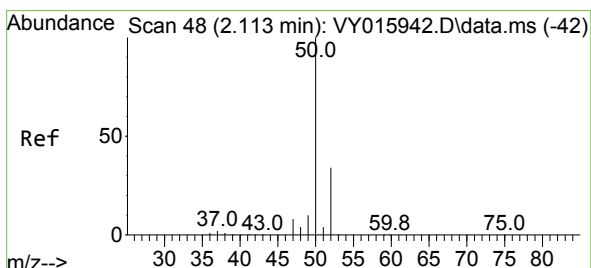
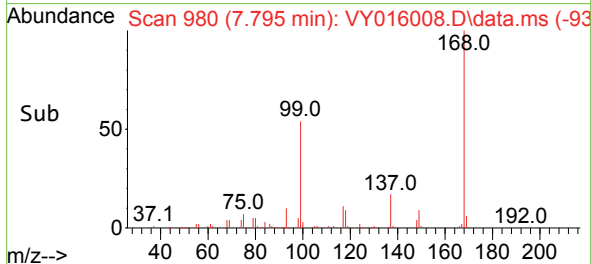
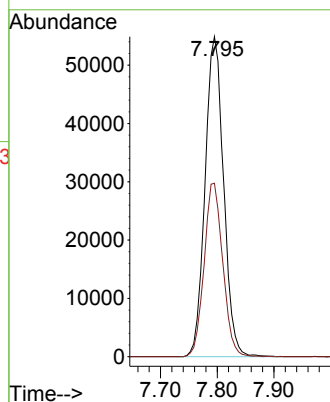
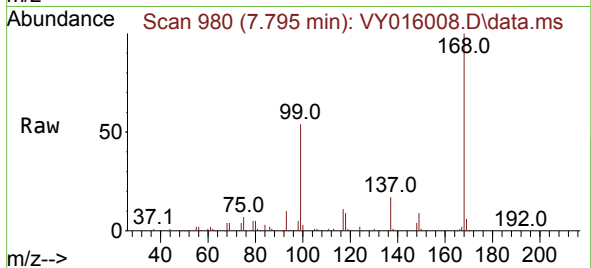




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY016008.D
Acq: 17 Oct 2023 16:45

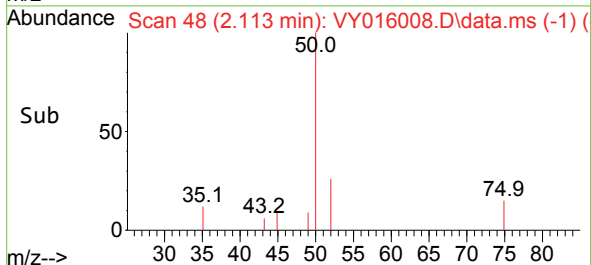
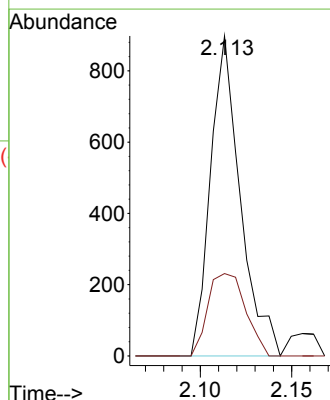
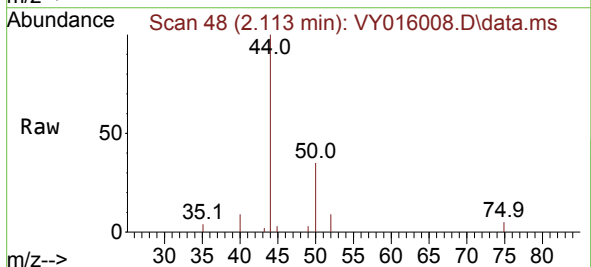
Instrument :
MSVOA_Y
ClientSampleId :

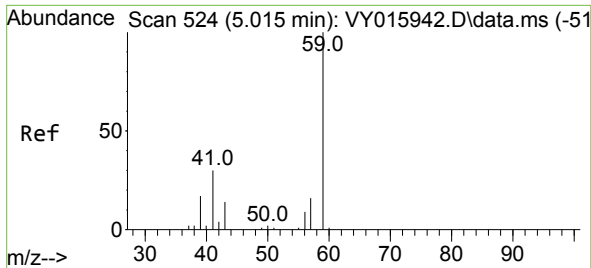
Tgt Ion:168 Resp: 124555
Ion Ratio Lower Upper
168 100
99 54.2 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY016008.D
Acq: 17 Oct 2023 16:45

Tgt Ion: 50 Resp: 1017
Ion Ratio Lower Upper
50 100
52 25.7 25.4 38.2





#11

Tert butyl alcohol

Concen: 11.499 ug/l

RT: 4.930 min Scan# 51

Delta R.T. -0.085 min

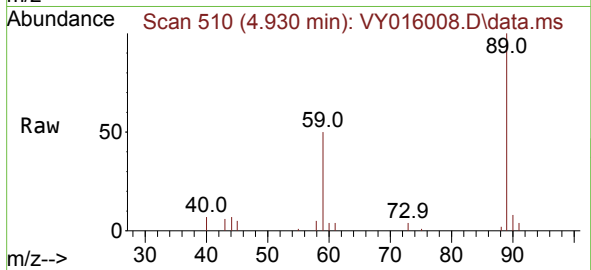
Lab File: VY016008.D

Acq: 17 Oct 2023 16:45

Instrument :

MSVOA_Y

ClientSampleId :

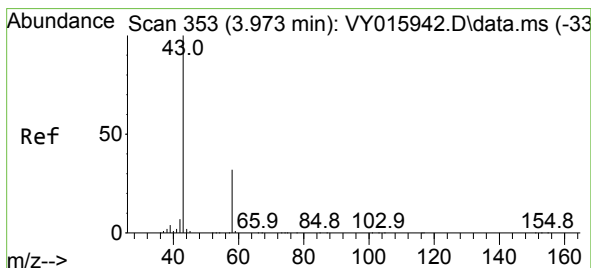
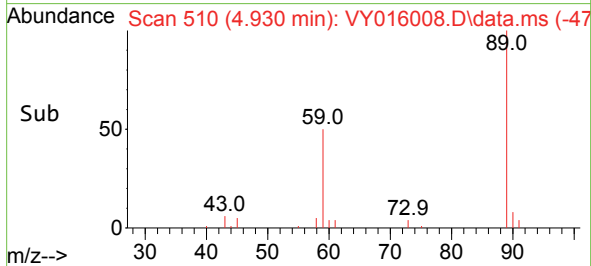
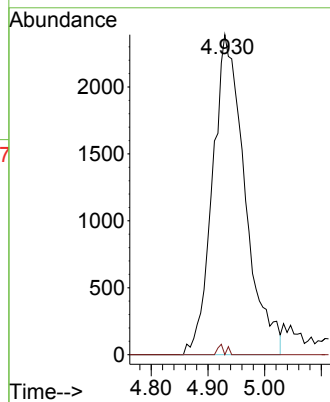


Tgt Ion: 59 Resp: 9484

Ion Ratio Lower Upper

59 100

57 0.7 3.0 4.4#



#16

Acetone

Concen: 6.269 ug/l

RT: 3.991 min Scan# 356

Delta R.T. 0.018 min

Lab File: VY016008.D

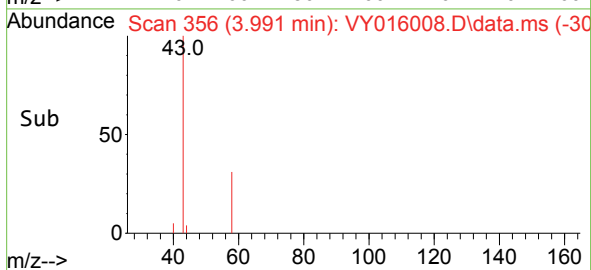
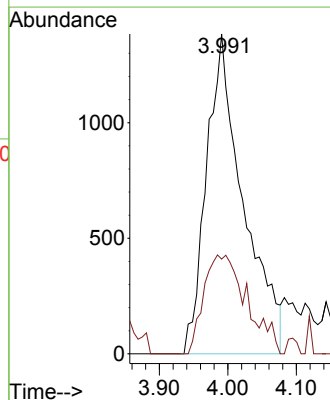
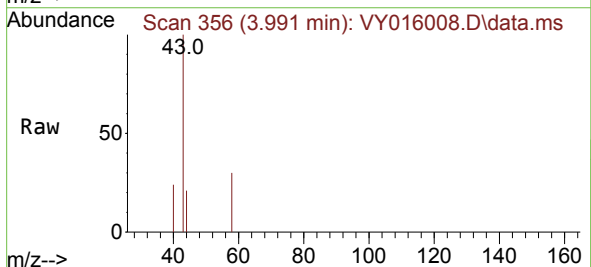
Acq: 17 Oct 2023 16:45

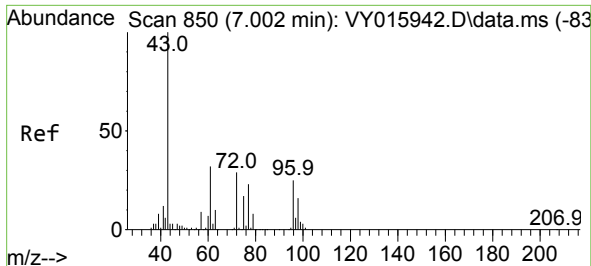
Tgt Ion: 43 Resp: 5177

Ion Ratio Lower Upper

43 100

58 29.6 22.7 34.1

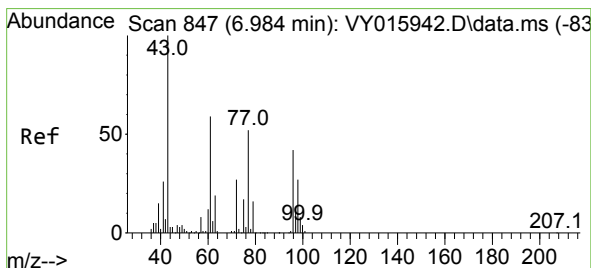
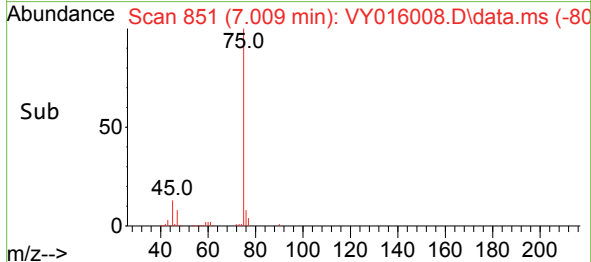
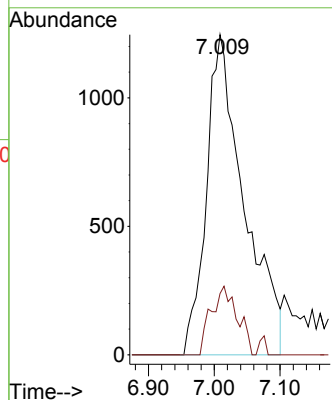
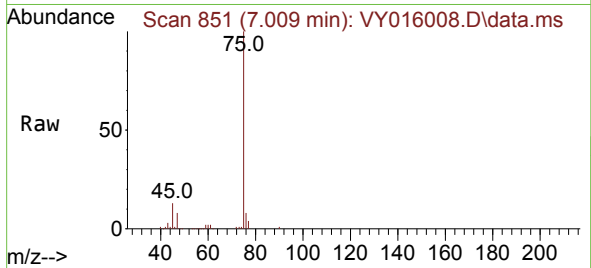




#25
2-Butanone
Concen: 4.124 ug/l
RT: 7.009 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY016008.D
Acq: 17 Oct 2023 16:45

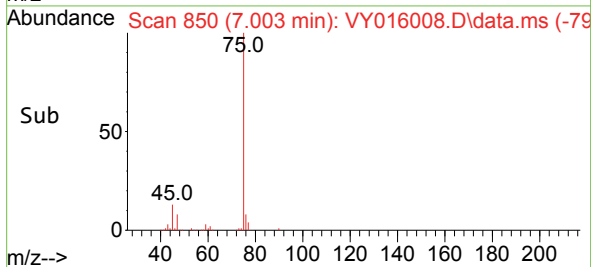
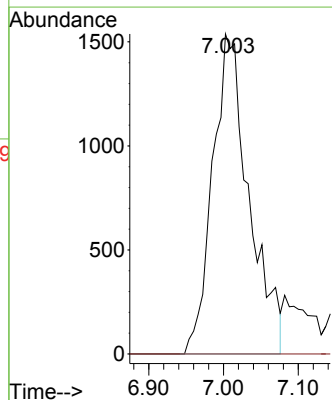
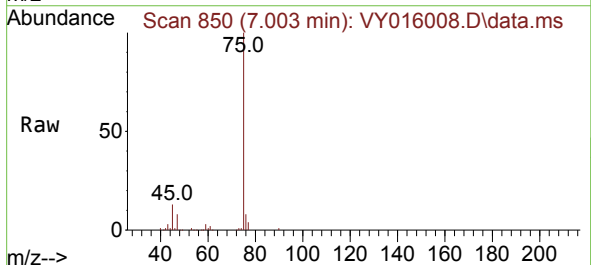
Instrument :
MSVOA_Y
ClientSampleId :

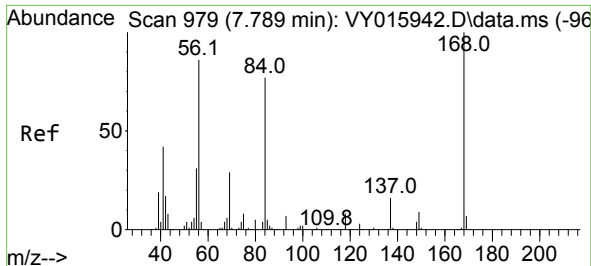
Tgt Ion: 43 Resp: 4956
Ion Ratio Lower Upper
43 100
72 19.1 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 2.591 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.018 min
Lab File: VY016008.D
Acq: 17 Oct 2023 16:45

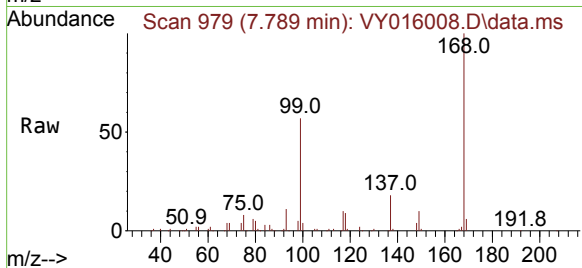
Tgt Ion: 77 Resp: 5203
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



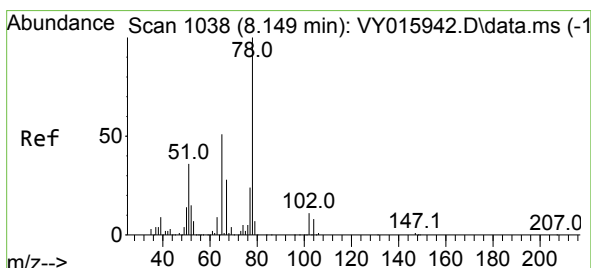
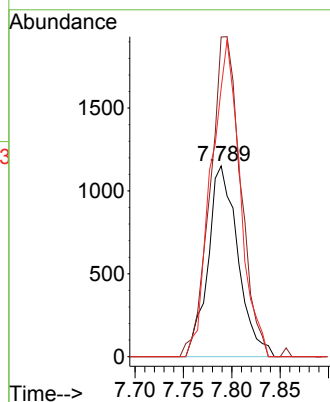
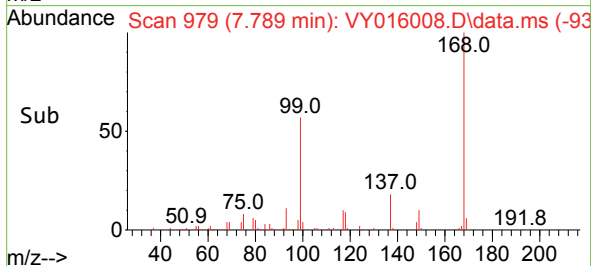


#31
Cyclohexane
Concen: 1.090 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY016008.D
Acq: 17 Oct 2023 16:45

Instrument :
MSVOA_Y
ClientSampleId :

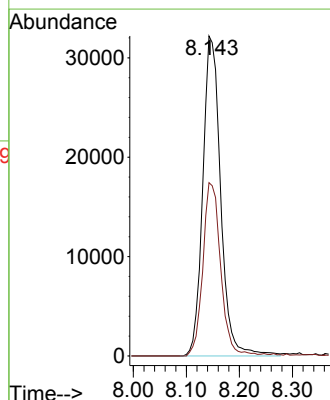
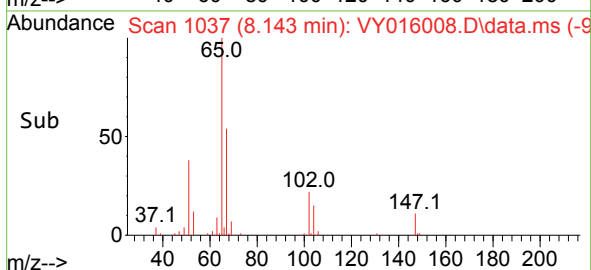
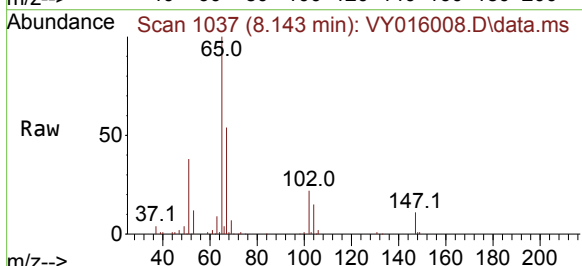


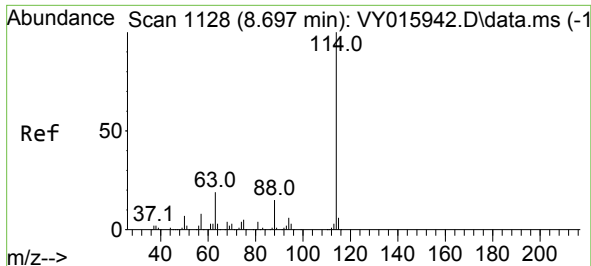
Tgt Ion	Ratio	Lower	Upper
56	100		
69	167.6	27.8	41.6#
84	140.8	66.4	99.6#



#33
1,2-Dichloroethane-d4
Concen: 53.141 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY016008.D
Acq: 17 Oct 2023 16:45

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY016008.D

Acq: 17 Oct 2023 16:45

Instrument :

MSVOA_Y

ClientSampleId :

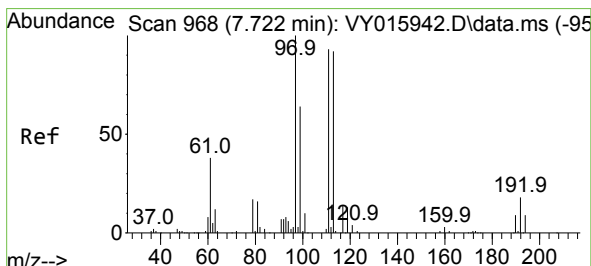
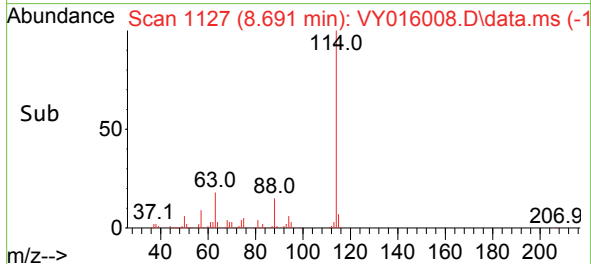
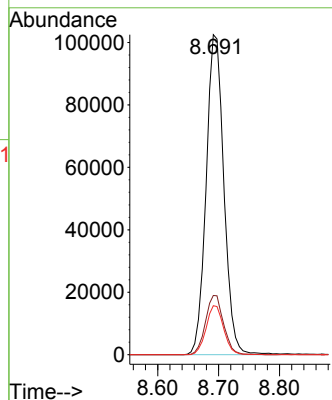
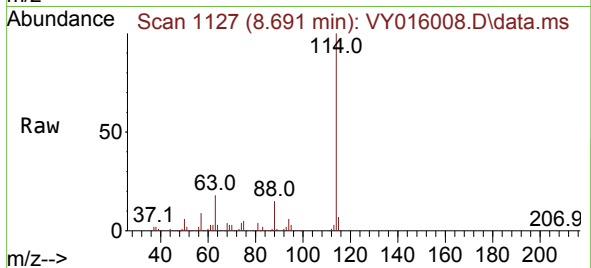
Tgt Ion:114 Resp: 207611

Ion Ratio Lower Upper

114 100

63 18.5 0.0 42.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.304 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY016008.D

Acq: 17 Oct 2023 16:45

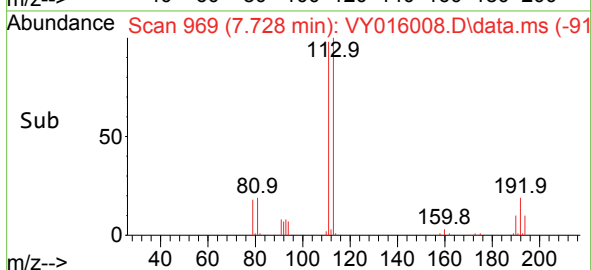
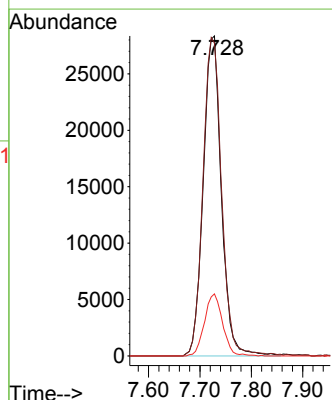
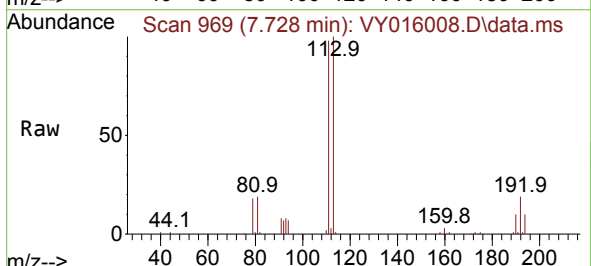
Tgt Ion:113 Resp: 69670

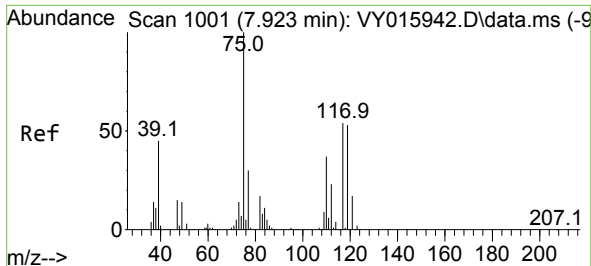
Ion Ratio Lower Upper

113 100

111 101.8 81.3 121.9

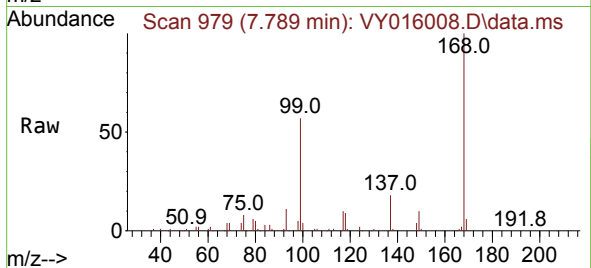
192 19.4 16.9 25.3



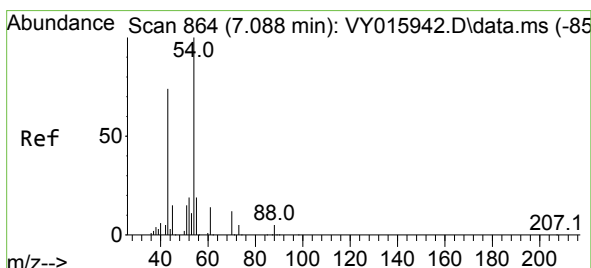
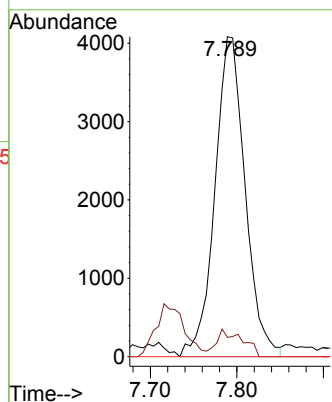
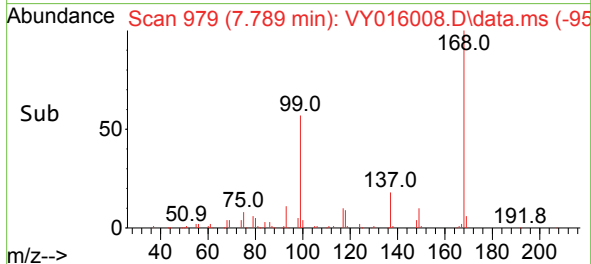


#36
1,1-Dichloropropene
Concen: 5.026 ug/l
RT: 7.789 min Scan# 912
Delta R.T. -0.134 min
Lab File: VY016008.D
Acq: 17 Oct 2023 16:45

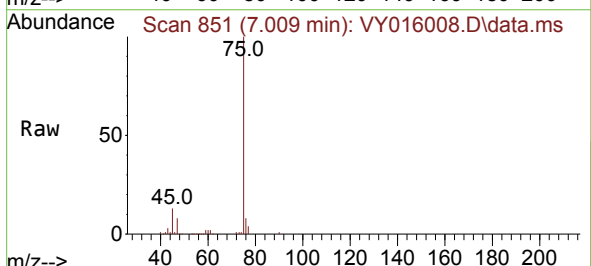
Instrument :
MSVOA_Y
ClientSampleId :



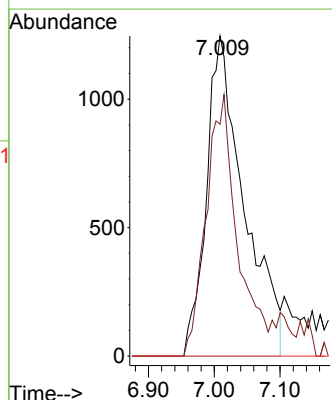
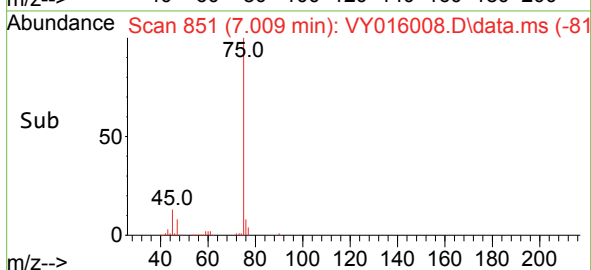
Tgt Ion: 75 Resp: 9912
Ion Ratio Lower Upper
75 100
110 7.2 17.8 53.5#
77 0.0 24.4 36.6#

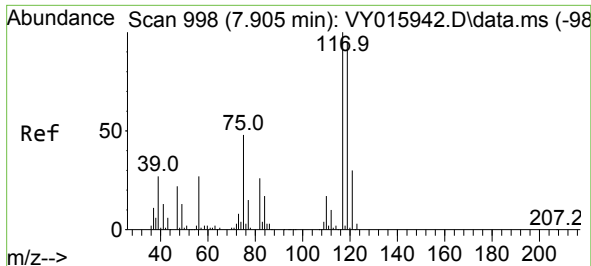


#37
Ethyl Acetate
Concen: 1.629 ug/l
RT: 7.009 min Scan# 851
Delta R.T. -0.079 min
Lab File: VY016008.D
Acq: 17 Oct 2023 16:45



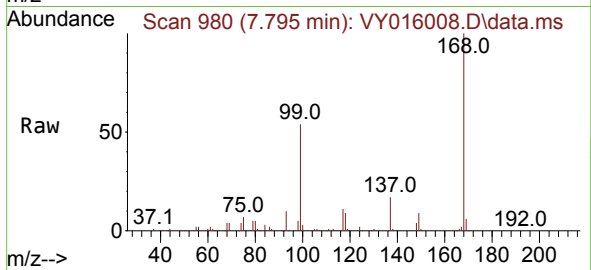
Tgt Ion: 43 Resp: 4956
Ion Ratio Lower Upper
43 100
61 67.5 10.1 15.1#
70 0.0 7.1 10.7#



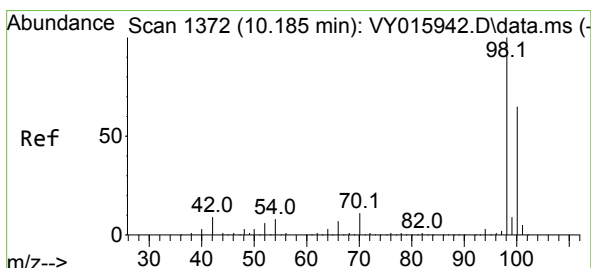
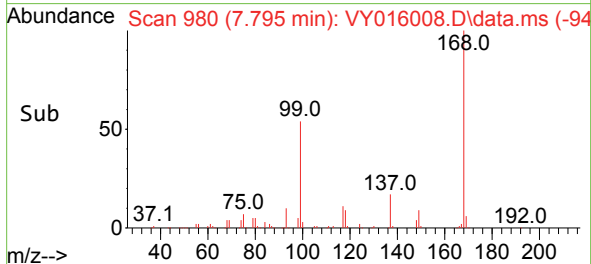
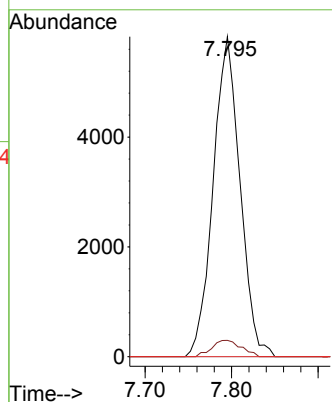


#38
Carbon Tetrachloride
Concen: 6.035 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY016008.D
Acq: 17 Oct 2023 16:45

Instrument :
MSVOA_Y
ClientSampleId :

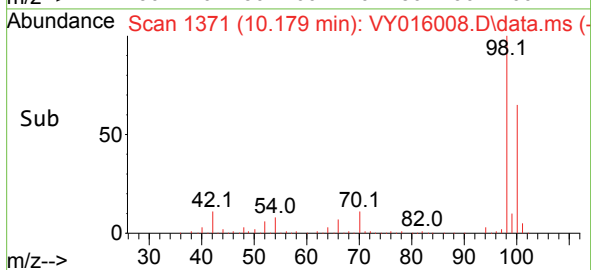
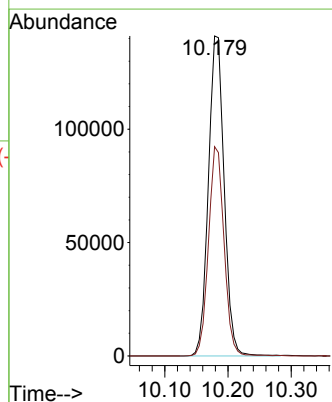
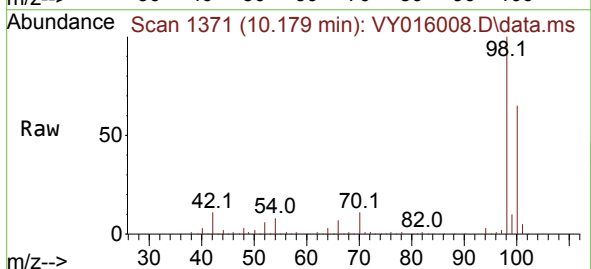


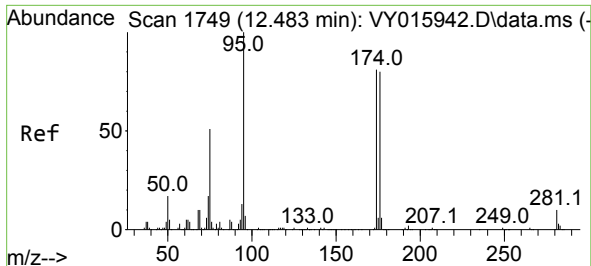
Tgt Ion:117 Resp: 12535
Ion Ratio Lower Upper
117 100
119 5.1 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.161 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY016008.D
Acq: 17 Oct 2023 16:45

Tgt Ion: 98 Resp: 245524
Ion Ratio Lower Upper
98 100
100 64.4 50.1 75.1

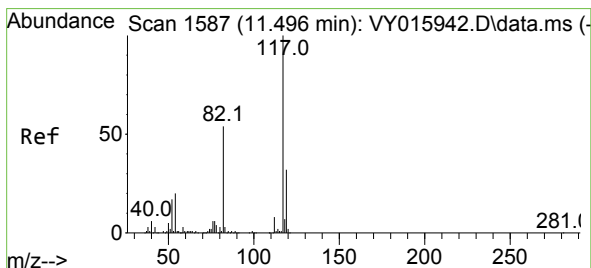
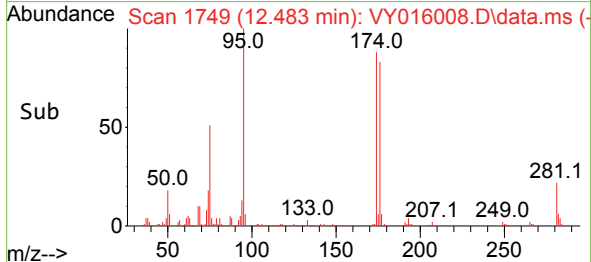
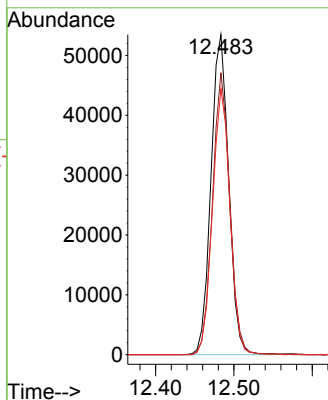
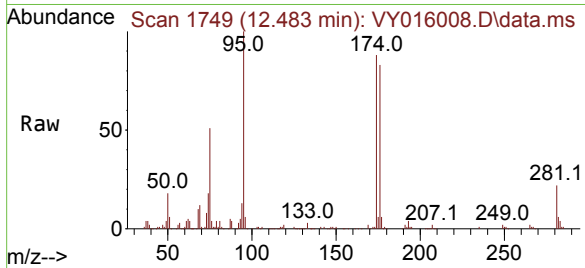




#62
4-Bromofluorobenzene
Concen: 48.137 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY016008.D
Acq: 17 Oct 2023 16:45

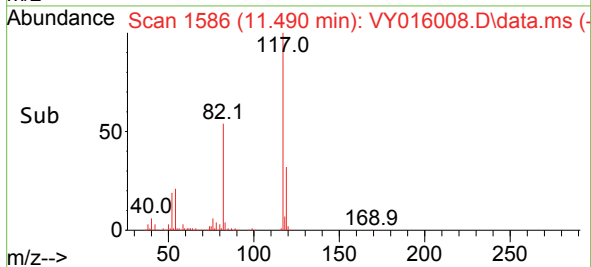
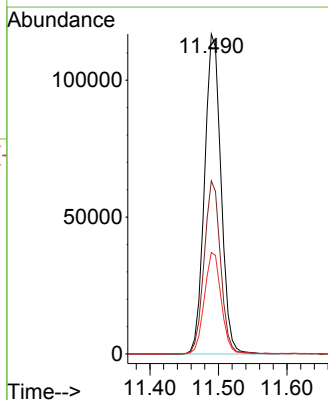
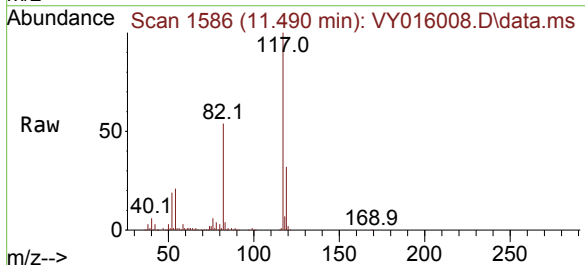
Instrument :
MSVOA_Y
ClientSampleId :

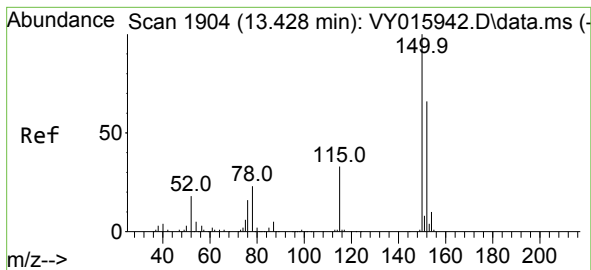
Tgt Ion: 95 Resp: 83899
Ion Ratio Lower Upper
95 100
174 86.7 0.0 178.2
176 82.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY016008.D
Acq: 17 Oct 2023 16:45

Tgt Ion: 117 Resp: 195341
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 31.6 26.3 39.5

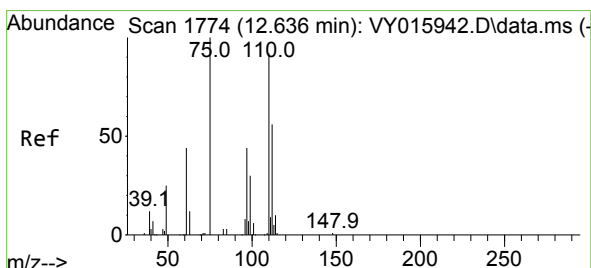
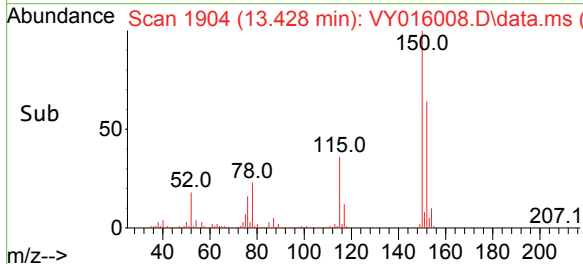
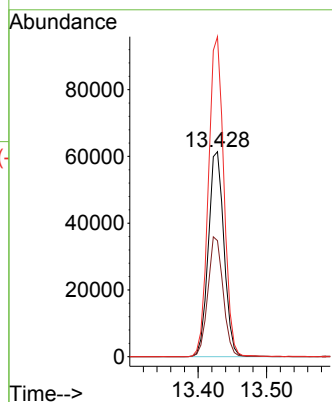
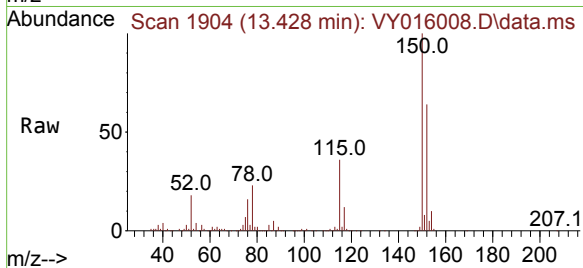




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY016008.D
 Acq: 17 Oct 2023 16:45

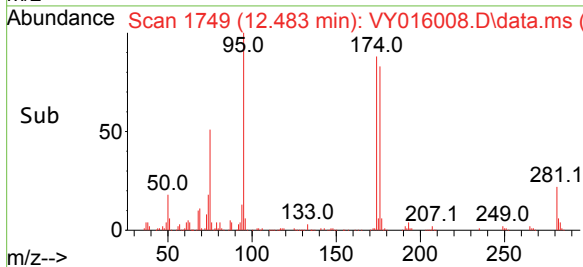
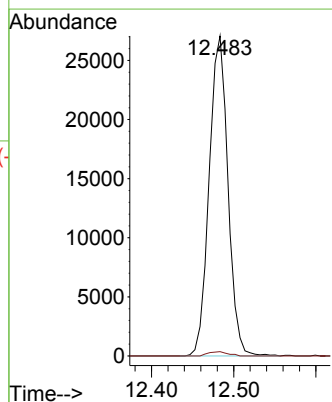
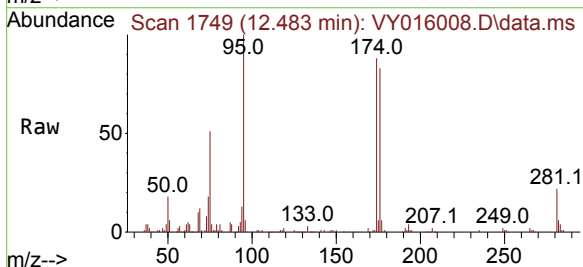
Instrument :
 MSVOA_Y
 ClientSampleId :

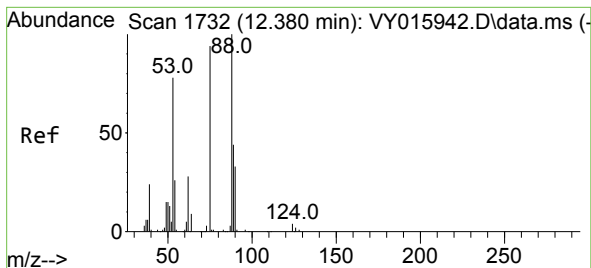
Tgt Ion:152 Resp: 97338
 Ion Ratio Lower Upper
 152 100
 115 57.2 28.8 86.5
 150 154.1 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 22.583 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY016008.D
 Acq: 17 Oct 2023 16:45

Tgt Ion: 75 Resp: 43018
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

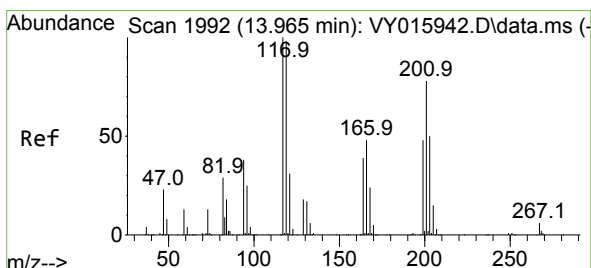
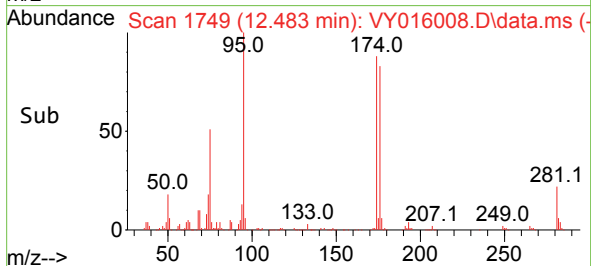
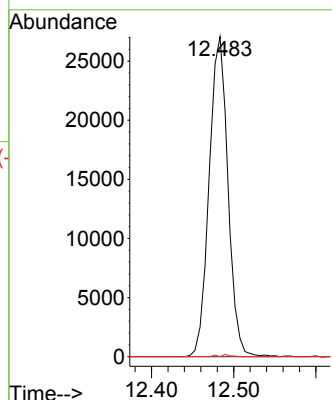
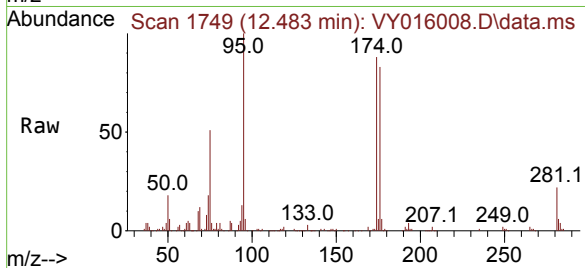




#81
trans-1,4-Dichloro-2-butene
Concen: 53.197 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY016008.D
Acq: 17 Oct 2023 16:45

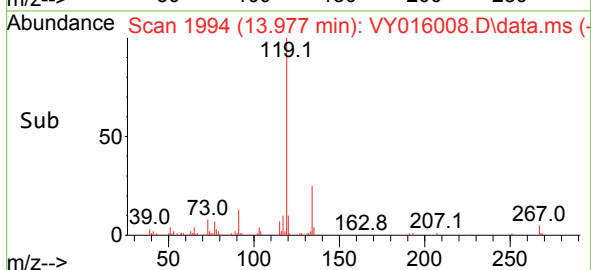
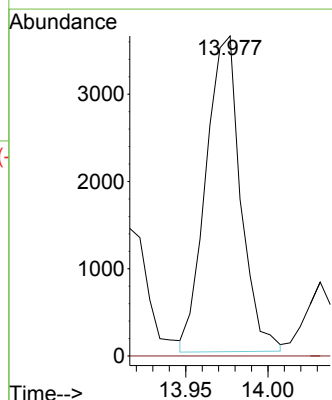
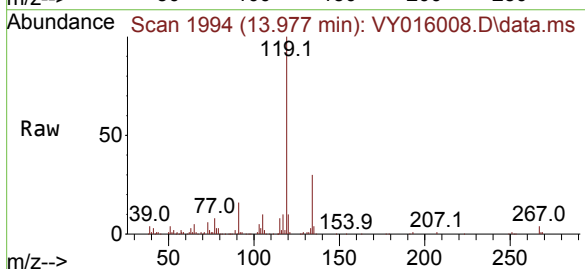
Instrument :
MSVOA_Y
ClientSampleId :

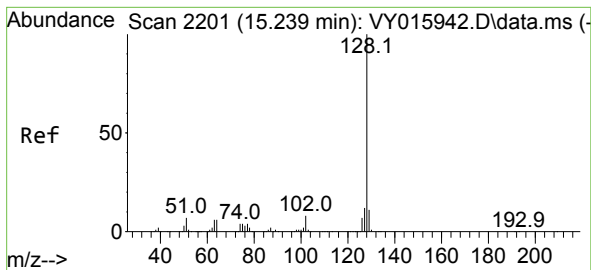
Tgt Ion: 75 Resp: 43018
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.4 37.4 56.0#



#90
Hexachloroethane
Concen: 4.451 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY016008.D
Acq: 17 Oct 2023 16:45

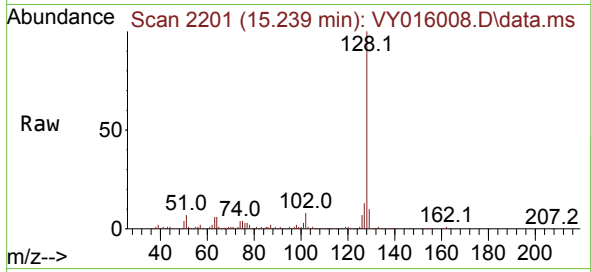
Tgt Ion: 117 Resp: 5322
Ion Ratio Lower Upper
117 100
201 0.0 41.6 124.8#





#95
Naphthalene
Concen: 23.150 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY016008.D
Acq: 17 Oct 2023 16:45

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 153853
Ion Ratio Lower Upper
128 100
127 13.2 10.8 16.2
129 11.2 8.6 13.0

