

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121923\
 Data File : VY016714.D
 Acq On : 19 Dec 2023 23:34
 Operator : SY/MD
 Sample : 05827-05
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 20 06:42:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 20 05:26:40 2023
 Response via : Initial Calibration

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

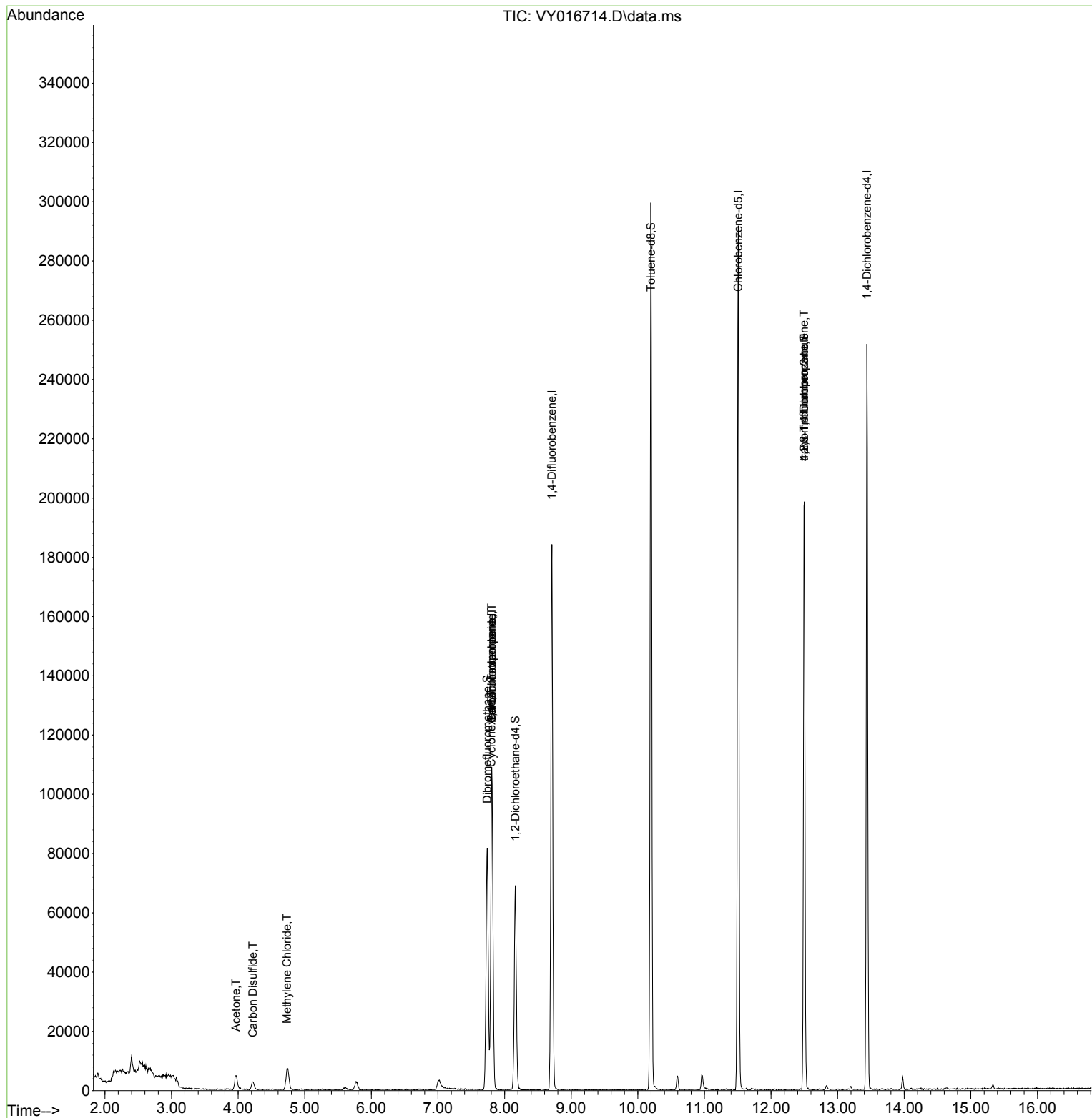
Internal Standards						
1) Pentafluorobenzene	7.807	168	89445	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.710	114	157417	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	157233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	65049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	51298	69.337	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 138.680%	
35) Dibromofluoromethane	7.740	113	55984	60.384	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 120.760%	
50) Toluene-d8	10.197	98	191498	57.033	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 114.060%	
62) 4-Bromofluorobenzene	12.495	95	52708	55.209	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.420%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.131	50	181	Below Cal	#	41
11) Tert butyl alcohol	4.960	59	179	Below Cal	#	73
13) Acrolein	3.753	56	28	Below Cal	#	77
16) Acetone	3.966	43	9027	24.505	ug/l	97
17) Carbon Disulfide	4.223	76	4569	2.291	ug/l	96
20) Methylene Chloride	4.735	84	5904	2.421	ug/l	# 92
25) 2-Butanone	7.021	43	1745	Below Cal	#	86
31) Cyclohexane	7.801	56	1900	1.569	ug/l	# 44
36) 1,1-Dichloropropene	7.807	75	6352	4.529	ug/l	# 48
38) Carbon Tetrachloride	7.807	117	7771	5.136	ug/l	# 17
76) 1,2,3-Trichloropropane	12.495	75	30210	53.427	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.495	75	30210	122.583	ug/l	# 18

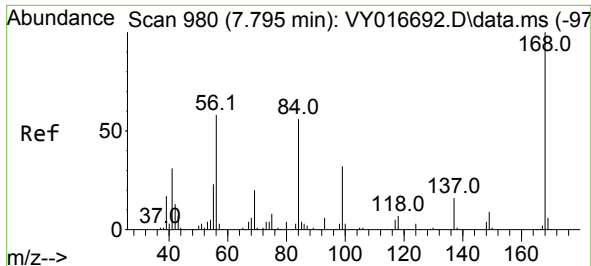
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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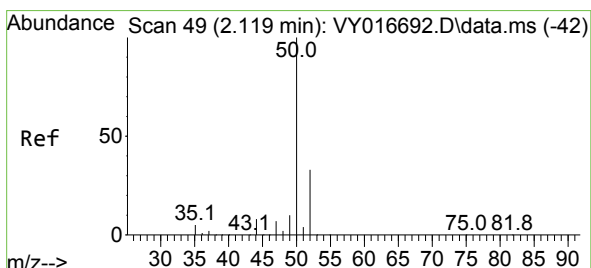
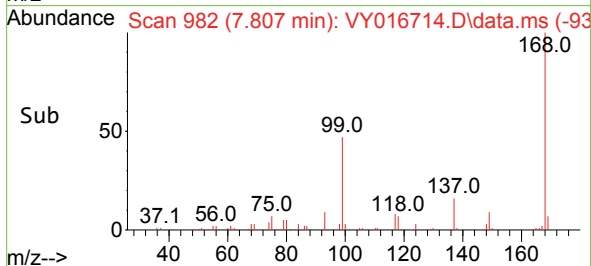
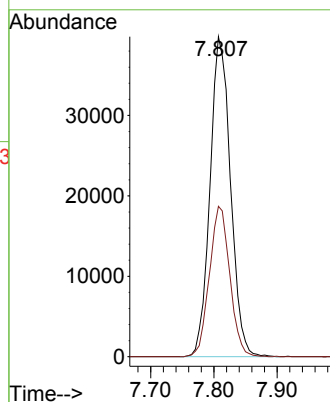
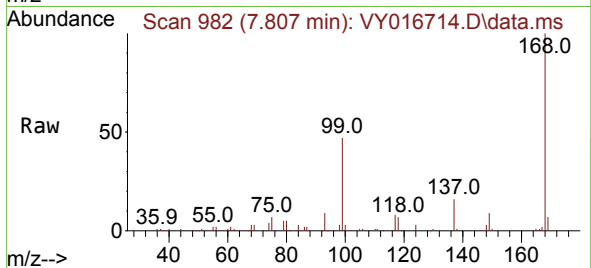




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016714.D
Acq: 19 Dec 2023 23:34

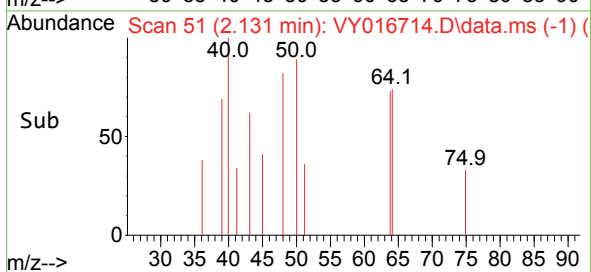
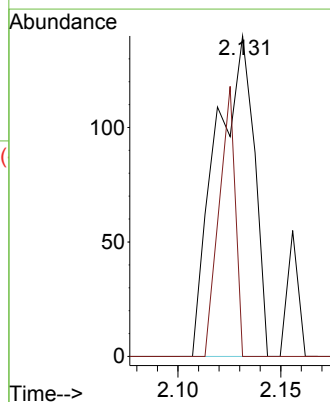
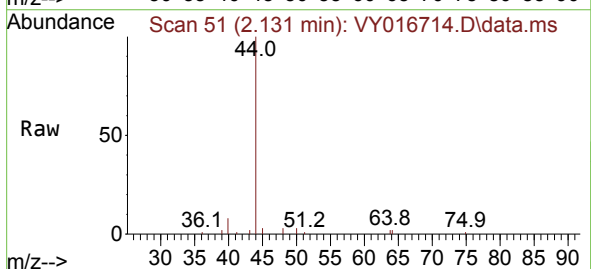
Instrument :
MSVOA_Y
ClientSampleId :

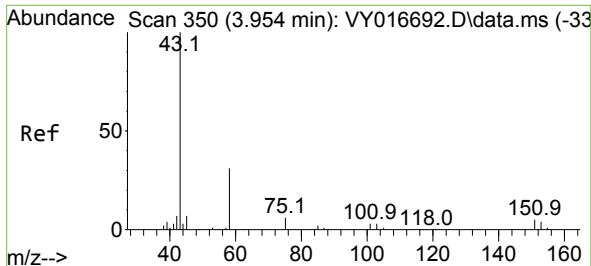
Tgt Ion:168 Resp: 89445
Ion Ratio Lower Upper
168 100
99 47.0 40.2 60.4



#3
Chloromethane
Concen: Below Cal
RT: 2.131 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY016714.D
Acq: 19 Dec 2023 23:34

Tgt Ion: 50 Resp: 181
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

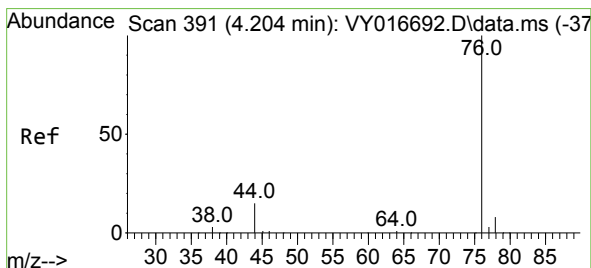
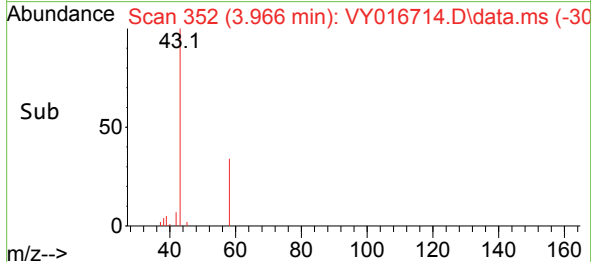
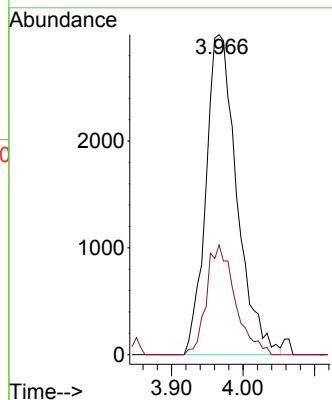
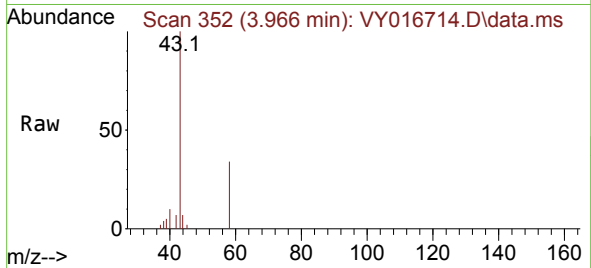




#16
Acetone
Concen: 24.505 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY016714.D
Acq: 19 Dec 2023 23:34

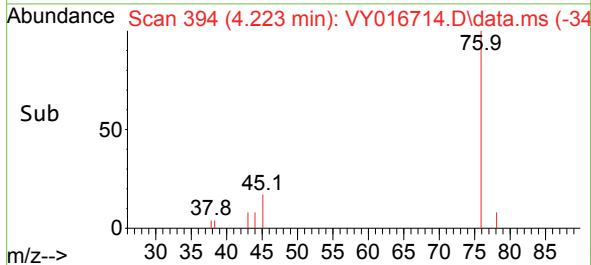
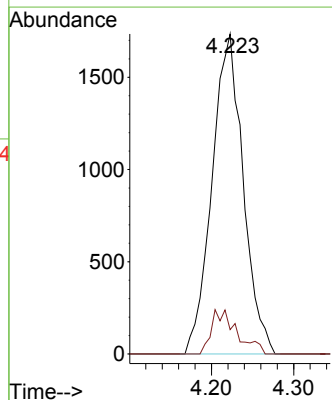
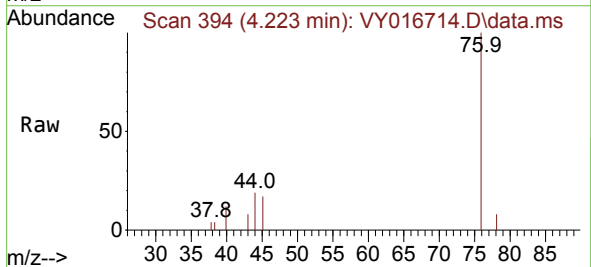
Instrument :
MSVOA_Y
ClientSampleId :

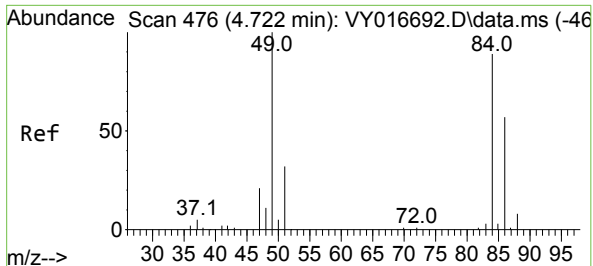
Tgt Ion: 43 Resp: 9027
Ion Ratio Lower Upper
43 100
58 34.2 29.0 43.4



#17
Carbon Disulfide
Concen: 2.291 ug/l
RT: 4.223 min Scan# 394
Delta R.T. 0.018 min
Lab File: VY016714.D
Acq: 19 Dec 2023 23:34

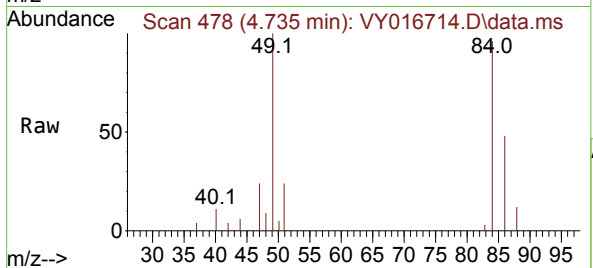
Tgt Ion: 76 Resp: 4569
Ion Ratio Lower Upper
76 100
78 7.6 7.3 10.9



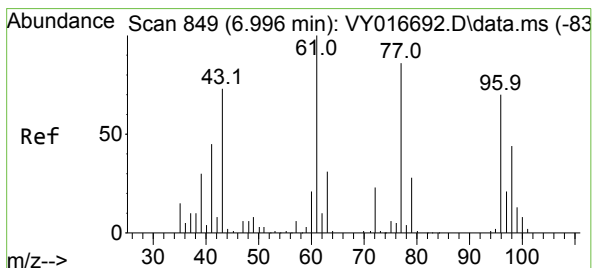
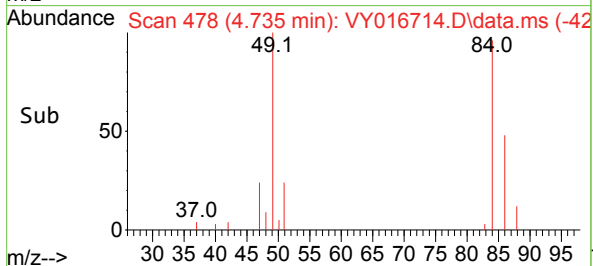
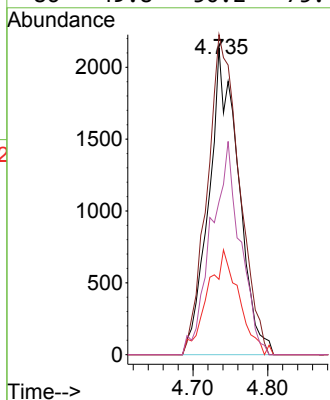


#20
Methylene Chloride
Concen: 2.421 ug/l
RT: 4.735 min Scan# 41
Delta R.T. 0.013 min
Lab File: VY016714.D
Acq: 19 Dec 2023 23:34

Instrument :
MSVOA_Y
ClientSampleId :

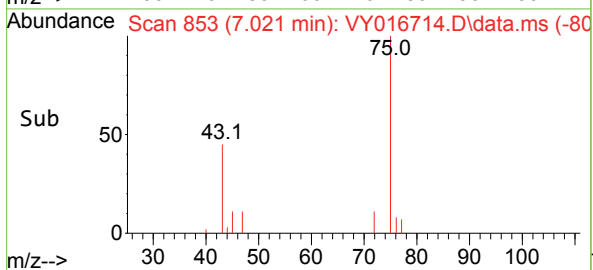
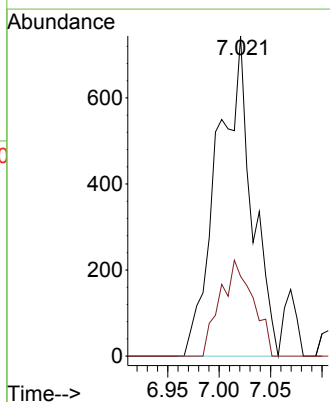
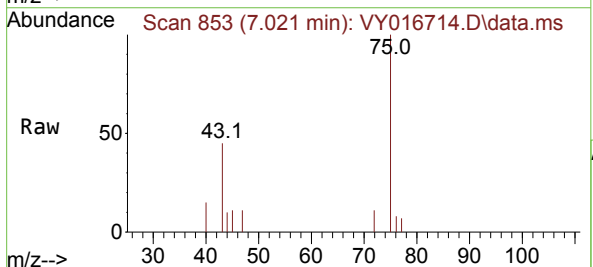


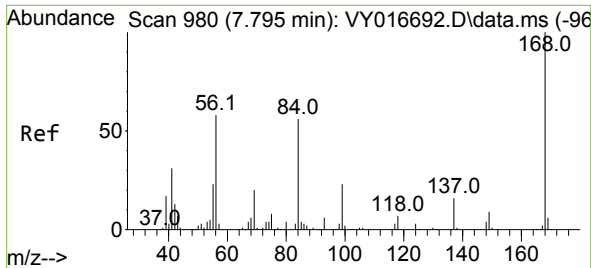
Tgt Ion: 84 Resp: 5904
Ion Ratio Lower Upper
84 100
49 104.2 83.8 125.8
51 24.5 27.2 40.8#
86 49.8 50.2 75.4#



#25
2-Butanone
Concen: Below Cal
RT: 7.021 min Scan# 853
Delta R.T. 0.025 min
Lab File: VY016714.D
Acq: 19 Dec 2023 23:34

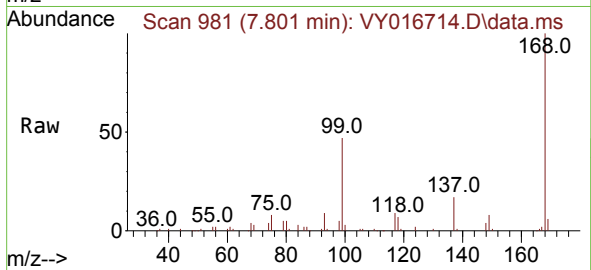
Tgt Ion: 43 Resp: 1745
Ion Ratio Lower Upper
43 100
72 24.9 26.3 39.5#



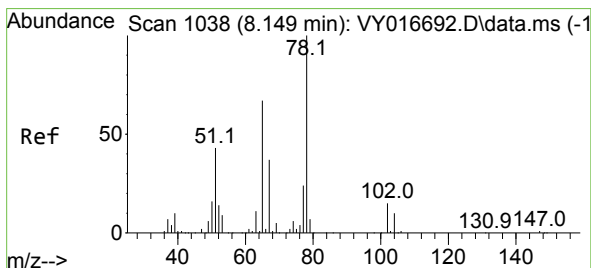
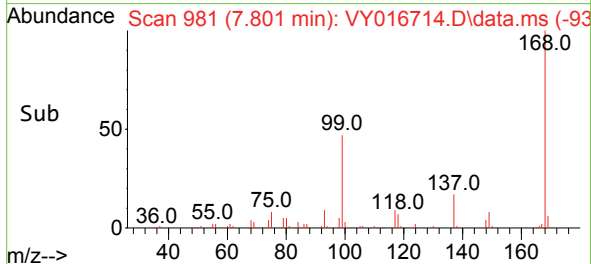
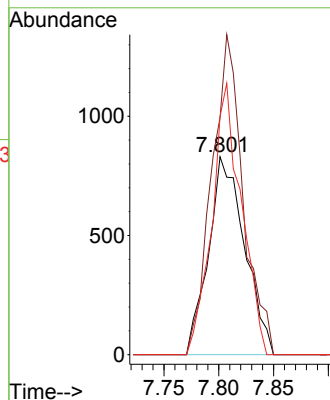


#31
Cyclohexane
Concen: 1.569 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016714.D
Acq: 19 Dec 2023 23:34

Instrument :
MSVOA_Y
ClientSampleId :

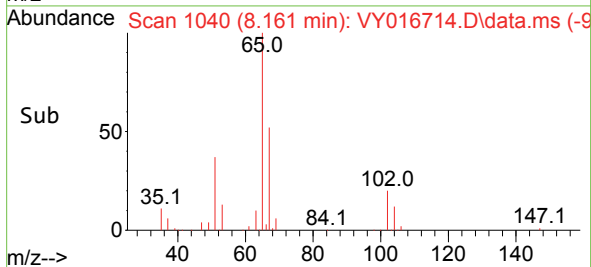
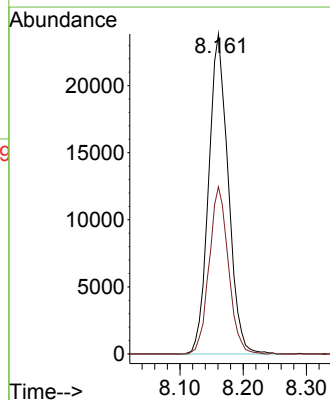
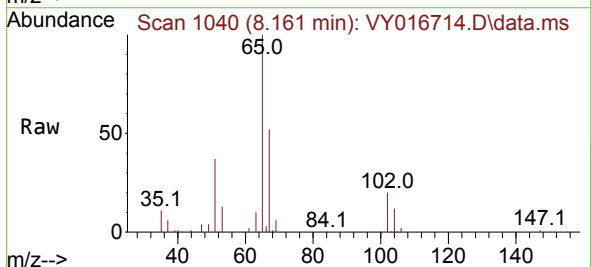


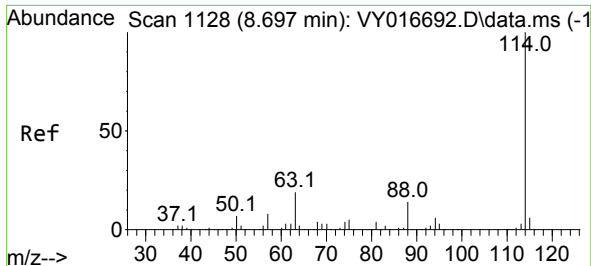
Tgt Ion: 56 Resp: 1900
Ion Ratio Lower Upper
56 100
69 119.8 27.5 41.3#
84 120.4 78.1 117.1#



#33
1,2-Dichloroethane-d4
Concen: 69.337 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.012 min
Lab File: VY016714.D
Acq: 19 Dec 2023 23:34

Tgt Ion: 65 Resp: 51298
Ion Ratio Lower Upper
65 100
67 51.3 0.0 108.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.710 min Scan# 1130

Delta R.T. 0.012 min

Lab File: VY016714.D

Acq: 19 Dec 2023 23:34

Instrument :

MSVOA_Y

ClientSampleId :

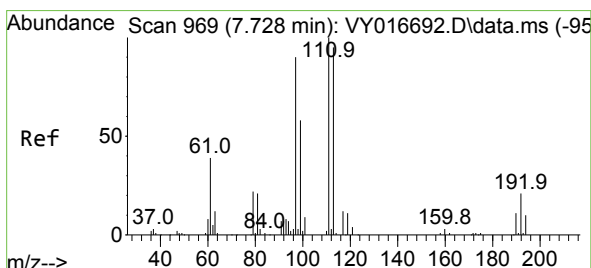
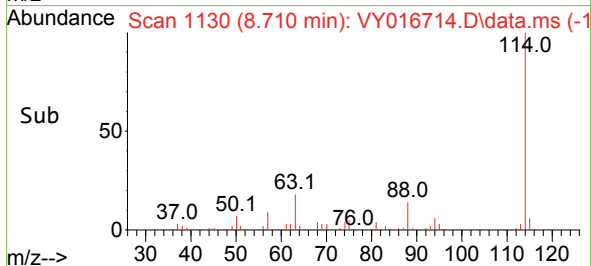
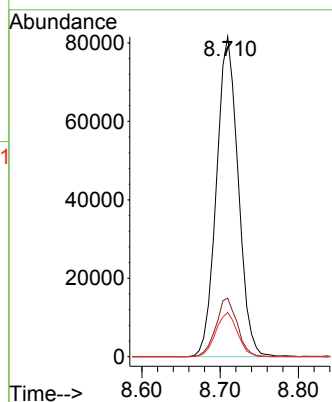
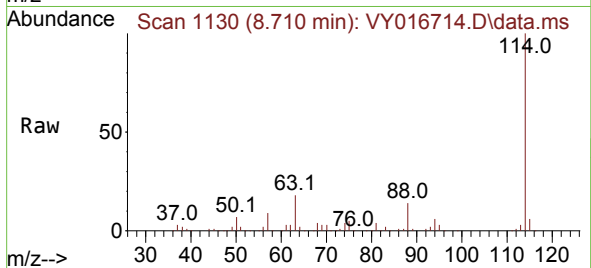
Tgt Ion:114 Resp: 157417

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.0

88 13.9 0.0 29.2



#35

Dibromofluoromethane

Concen: 60.384 ug/l

RT: 7.740 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY016714.D

Acq: 19 Dec 2023 23:34

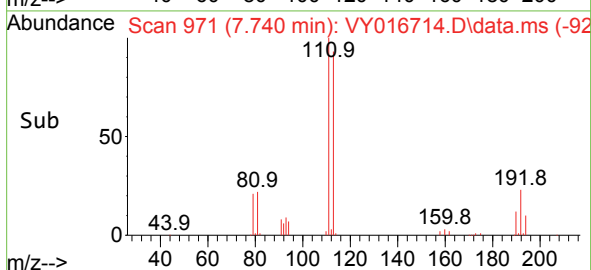
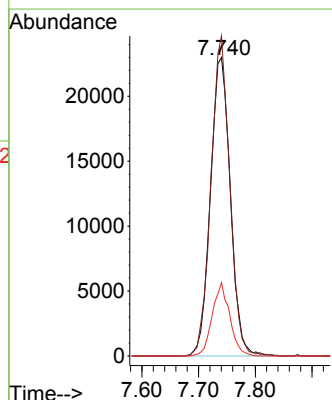
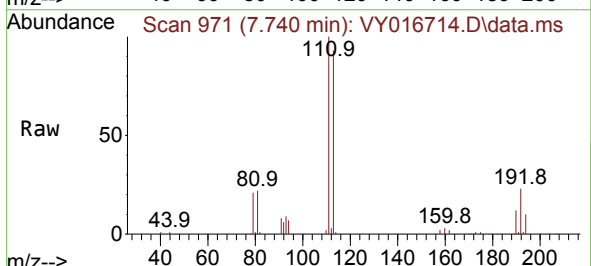
Tgt Ion:113 Resp: 55984

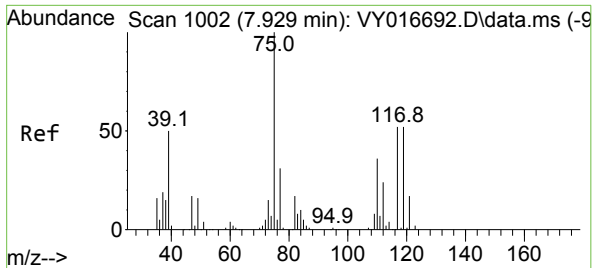
Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

192 21.6 16.2 24.4

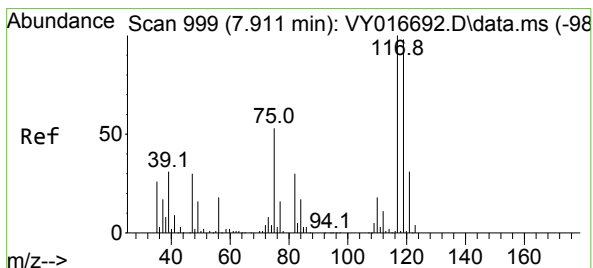
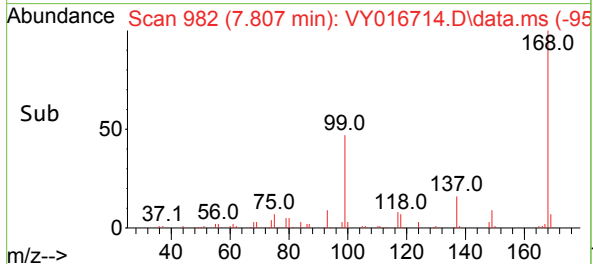
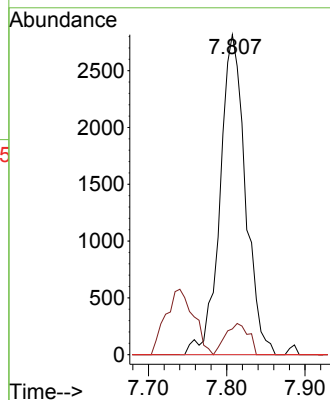
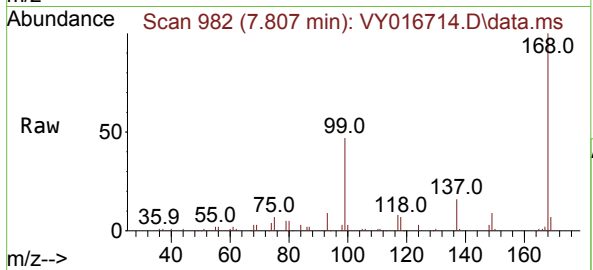




#36
 1,1-Dichloropropene
 Concen: 4.529 ug/l
 RT: 7.807 min Scan# 91
 Delta R.T. -0.122 min
 Lab File: VY016714.D
 Acq: 19 Dec 2023 23:34

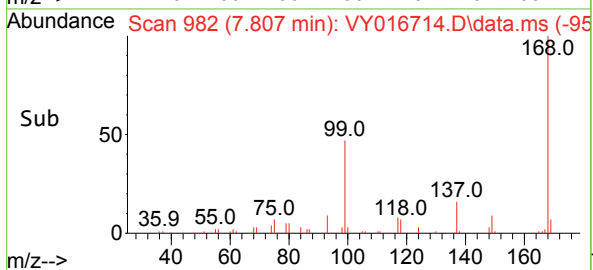
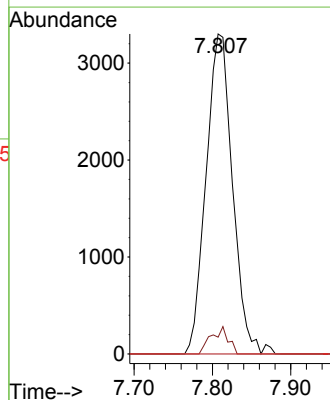
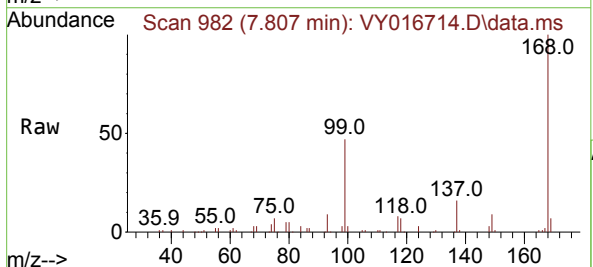
Instrument :
 MSVOA_Y
 ClientSampleId :

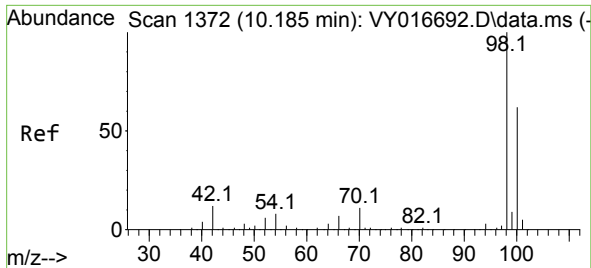
Tgt Ion: 75 Resp: 6352
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.9 56.9#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 5.136 ug/l
 RT: 7.807 min Scan# 982
 Delta R.T. -0.104 min
 Lab File: VY016714.D
 Acq: 19 Dec 2023 23:34

Tgt Ion: 117 Resp: 7771
 Ion Ratio Lower Upper
 117 100
 119 5.3 75.0 112.4#
 121 0.0 24.2 36.4#

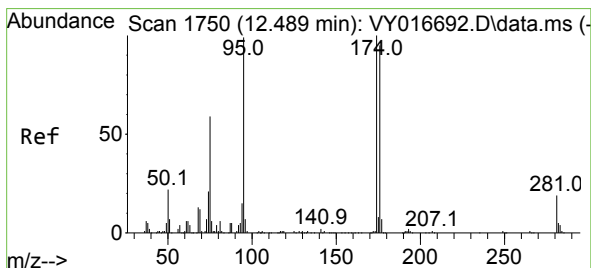
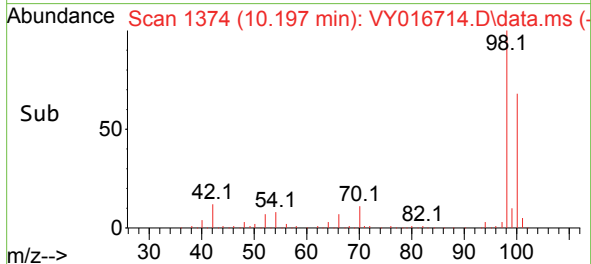
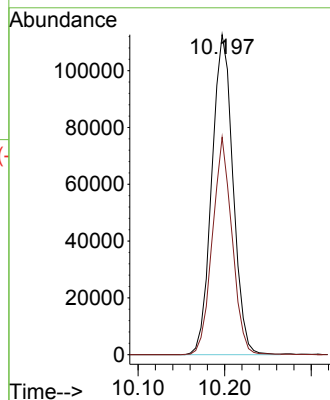
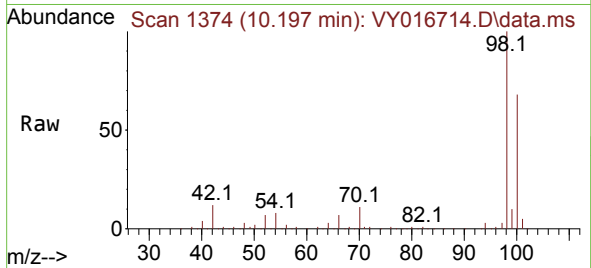




#50
Toluene-d8
Concen: 57.033 ug/l
RT: 10.197 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016714.D
Acq: 19 Dec 2023 23:34

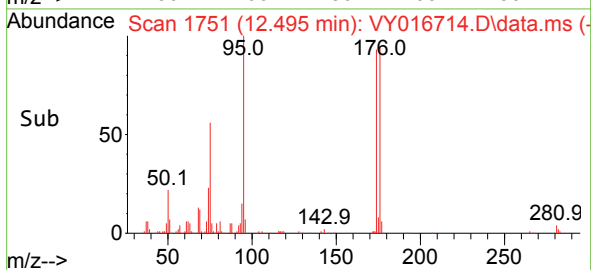
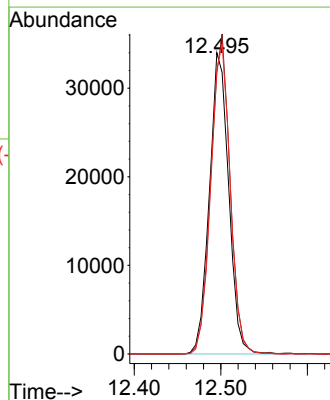
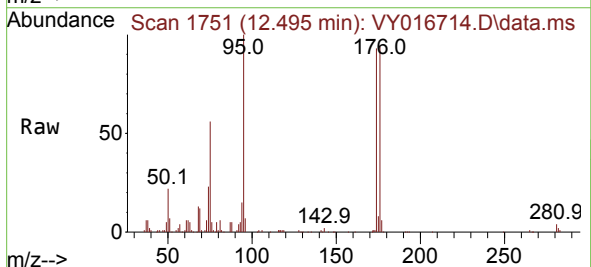
Instrument :
MSVOA_Y
ClientSampleId :

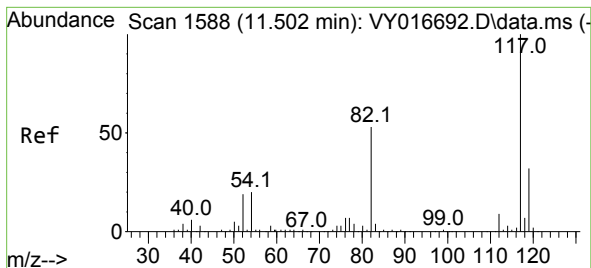
Tgt Ion: 98 Resp: 191498
Ion Ratio Lower Upper
98 100
100 63.1 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 55.209 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016714.D
Acq: 19 Dec 2023 23:34

Tgt Ion: 95 Resp: 52708
Ion Ratio Lower Upper
95 100
174 105.3 0.0 181.0
176 102.9 0.0 176.6

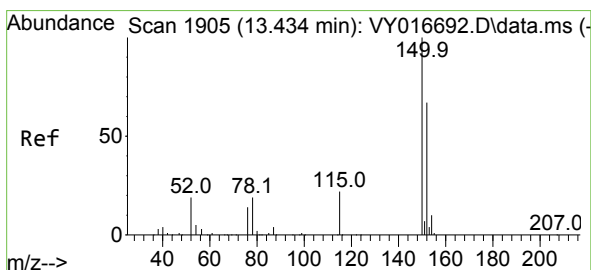
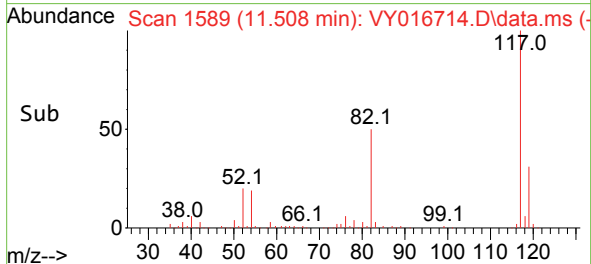
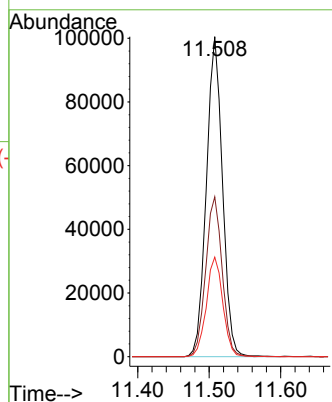
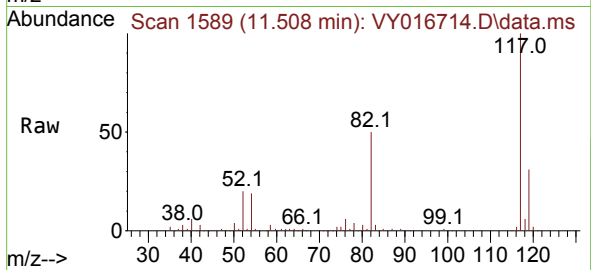




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016714.D
Acq: 19 Dec 2023 23:34

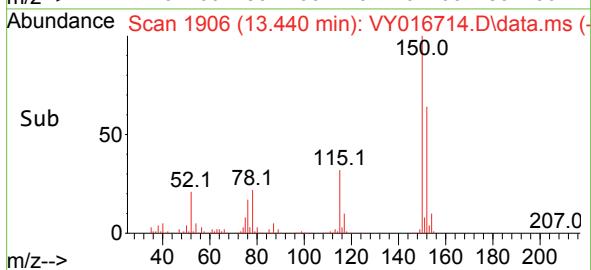
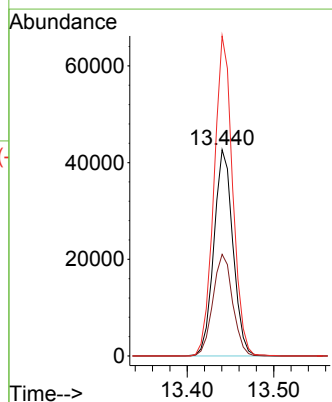
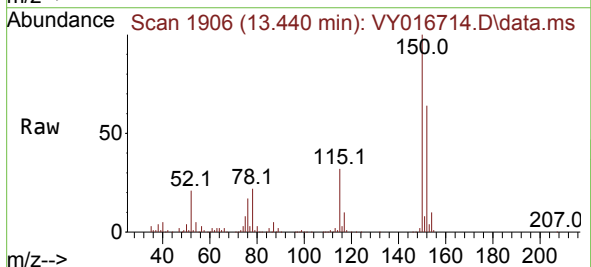
Instrument :
MSVOA_Y
ClientSampleId :

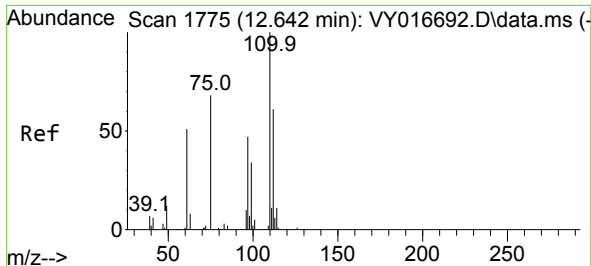
Tgt Ion:117 Resp: 157233
Ion Ratio Lower Upper
117 100
82 49.9 41.0 61.6
119 31.1 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.006 min
Lab File: VY016714.D
Acq: 19 Dec 2023 23:34

Tgt Ion:152 Resp: 65049
Ion Ratio Lower Upper
152 100
115 51.1 28.2 84.7
150 152.2 0.0 350.6

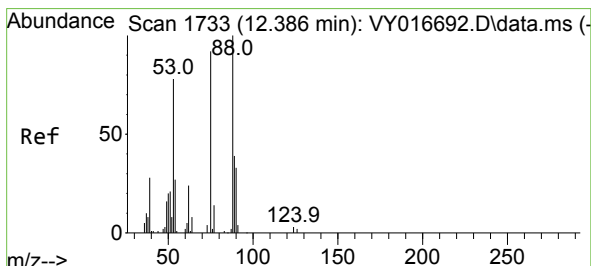
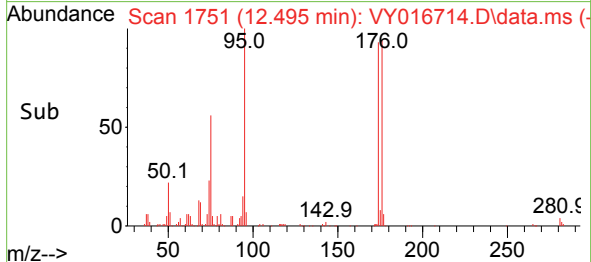
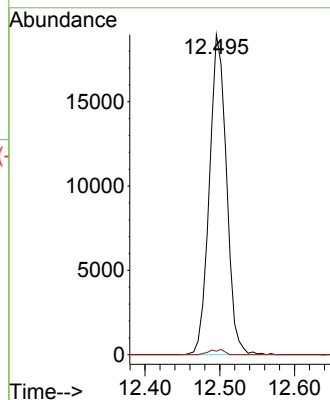
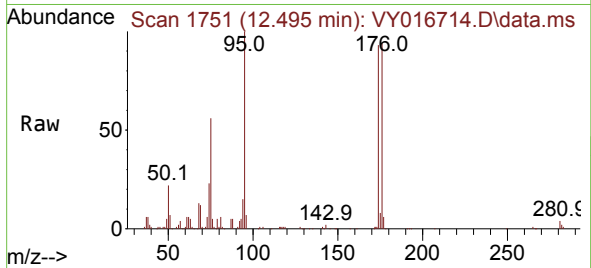




#76
1,2,3-Trichloropropane
Concen: 53.427 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. -0.146 min
Lab File: VY016714.D
Acq: 19 Dec 2023 23:34

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 30210
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.583 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.110 min
Lab File: VY016714.D
Acq: 19 Dec 2023 23:34

Tgt Ion: 75 Resp: 30210
Ion Ratio Lower Upper
75 100
53 0.0 62.9 94.3#
89 0.0 35.8 53.8#

