

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121623\
 Data File : VY016673.D
 Acq On : 16 Dec 2023 16:49
 Operator : SY/MD
 Sample : 05765-02RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 18 00:41:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121523S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 16 00:39:52 2023
 Response via : Initial Calibration

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

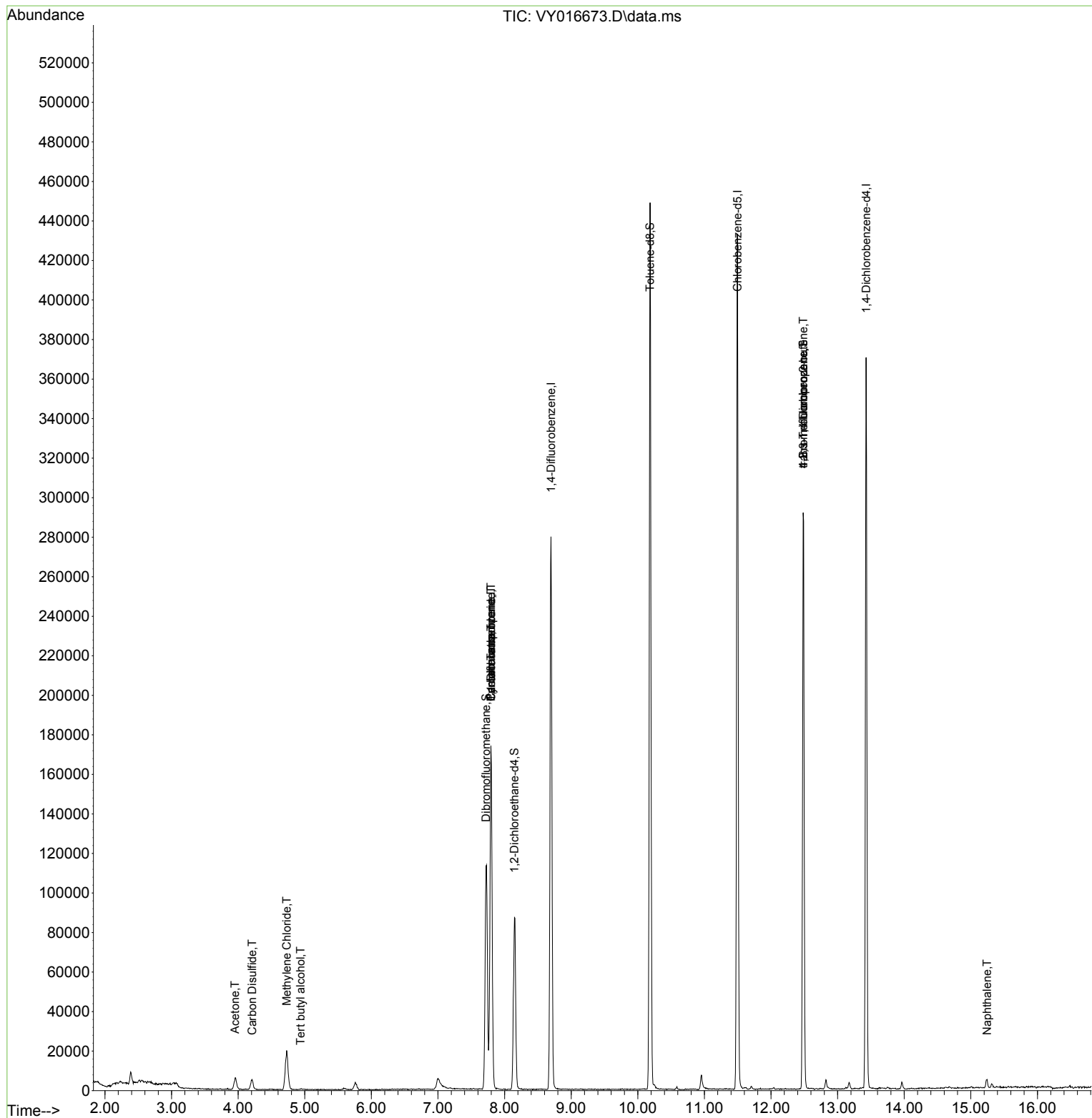
Internal Standards						
1) Pentafluorobenzene	7.795	168	142586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	253878	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	250830	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	102497	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	69871	59.886	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.780%	
35) Dibromofluoromethane	7.722	113	84792	62.266	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 124.540%	
50) Toluene-d8	10.185	98	302415	56.063	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.120%	
62) 4-Bromofluorobenzene	12.483	95	93673	53.676	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.360%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	223	2.370	ug/l #	89
13) Acrolein	3.741	56	82	Below Cal	#	14
16) Acetone	3.954	43	10166	9.800	ug/l #	87
17) Carbon Disulfide	4.210	76	9316	2.275	ug/l #	89
20) Methylene Chloride	4.728	84	15330	5.842	ug/l #	81
25) 2-Butanone	7.002	43	3108	Below Cal	#	69
31) Cyclohexane	7.795	56	2410	1.047	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	10451	4.634	ug/l #	50
38) Carbon Tetrachloride	7.795	117	12794	5.647	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	47445	50.535	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	47445	115.483	ug/l #	11
95) Naphthalene	15.245	128	4407	1.529	ug/l	98

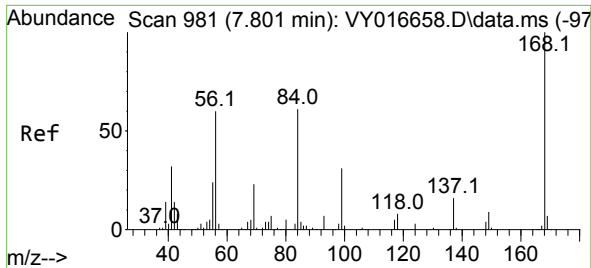
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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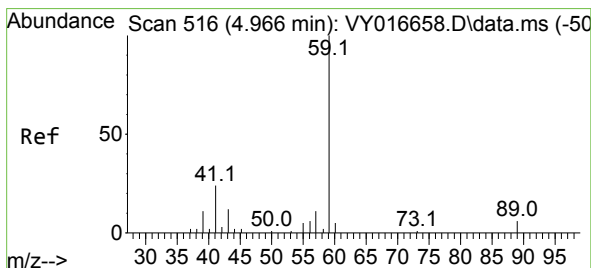
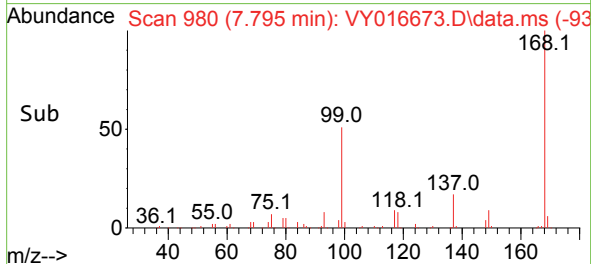
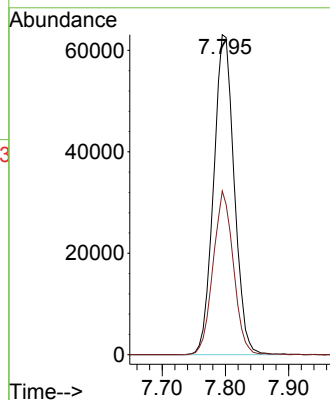
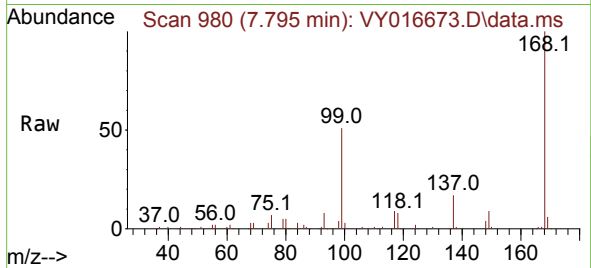




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016673.D
Acq: 16 Dec 2023 16:49

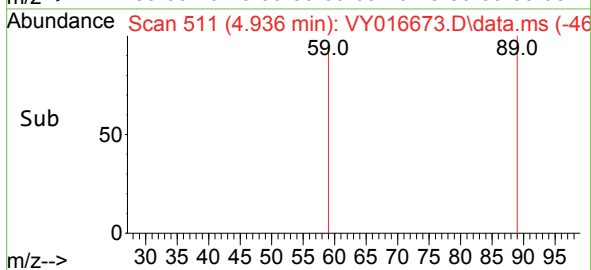
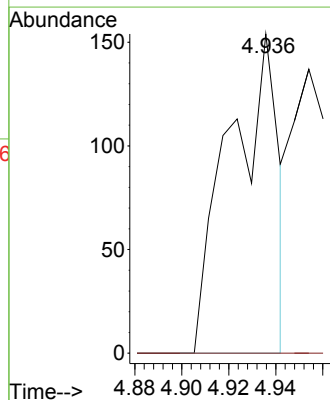
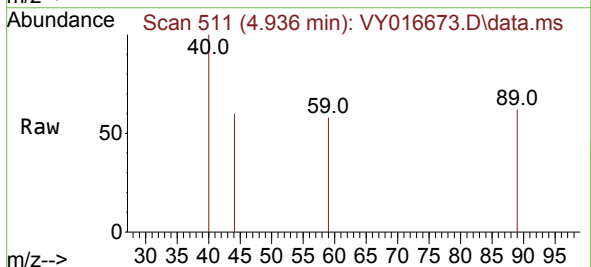
Instrument :
MSVOA_Y
ClientSampleId :

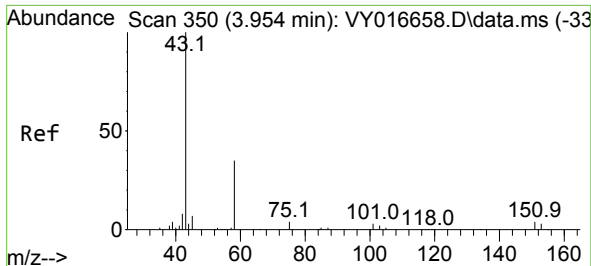
Tgt Ion:168 Resp: 142586
Ion Ratio Lower Upper
168 100
99 51.1 43.4 65.0



#11
Tert butyl alcohol
Concen: 2.370 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.030 min
Lab File: VY016673.D
Acq: 16 Dec 2023 16:49

Tgt Ion: 59 Resp: 223
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 9.800 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.000 min

Lab File: VY016673.D

Acq: 16 Dec 2023 16:49

Instrument :

MSVOA_Y

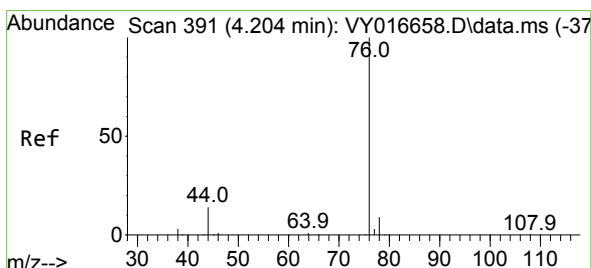
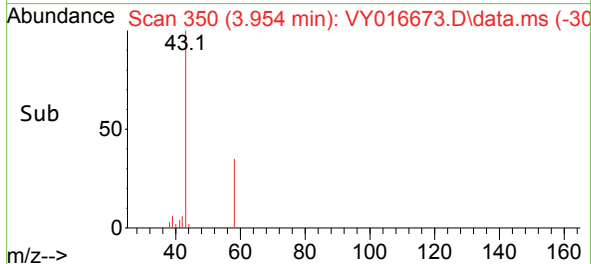
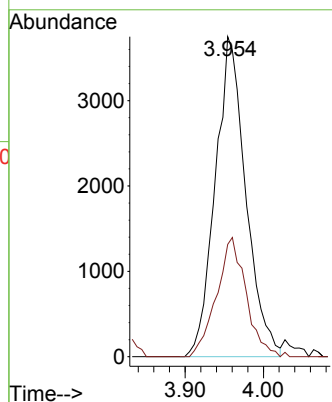
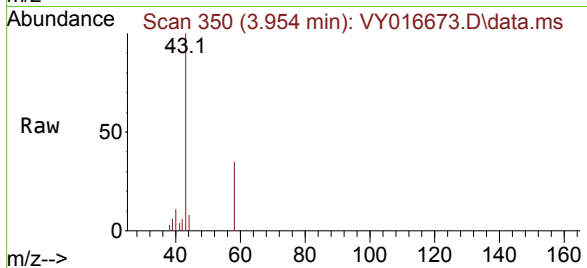
ClientSampleId :

Tgt Ion: 43 Resp: 10166

Ion Ratio Lower Upper

43 100

58 35.1 22.7 34.1#



#17

Carbon Disulfide

Concen: 2.275 ug/l

RT: 4.210 min Scan# 392

Delta R.T. 0.006 min

Lab File: VY016673.D

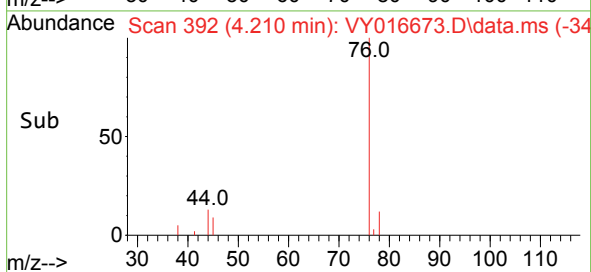
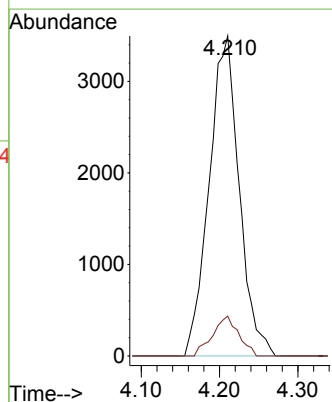
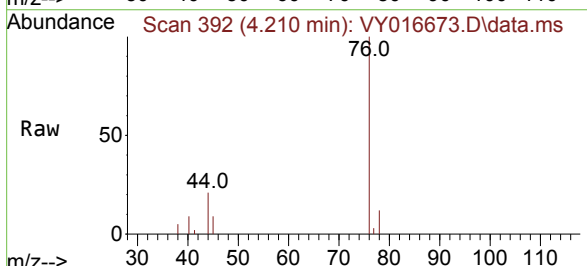
Acq: 16 Dec 2023 16:49

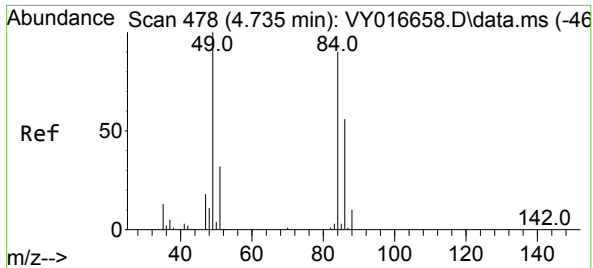
Tgt Ion: 76 Resp: 9316

Ion Ratio Lower Upper

76 100

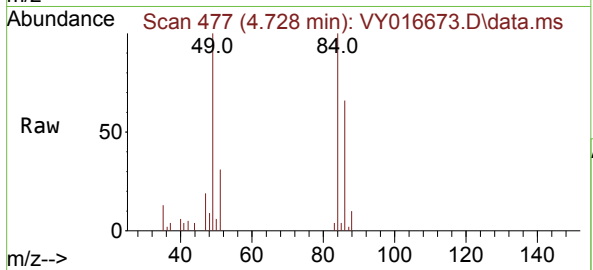
78 12.5 7.0 10.4#



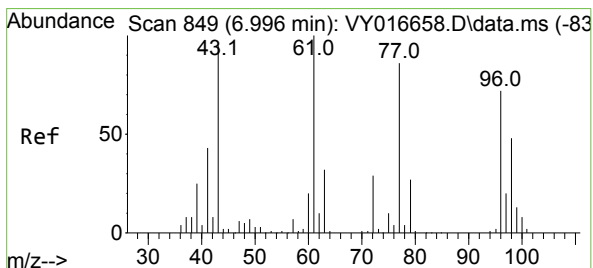
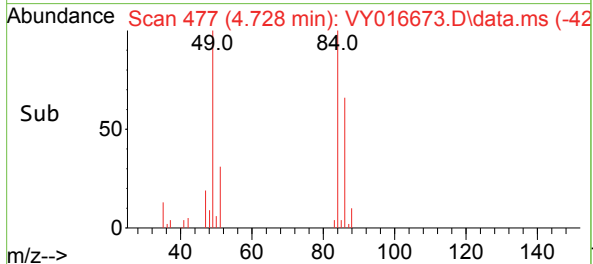
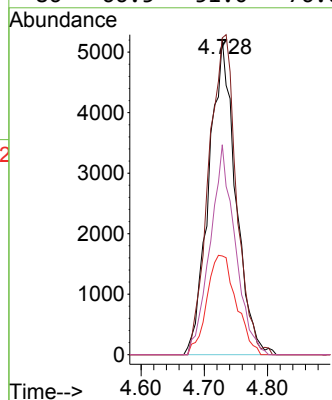


#20
Methylene Chloride
Concen: 5.842 ug/l
RT: 4.728 min Scan# 41
Delta R.T. -0.007 min
Lab File: VY016673.D
Acq: 16 Dec 2023 16:49

Instrument :
MSVOA_Y
ClientSampleId :

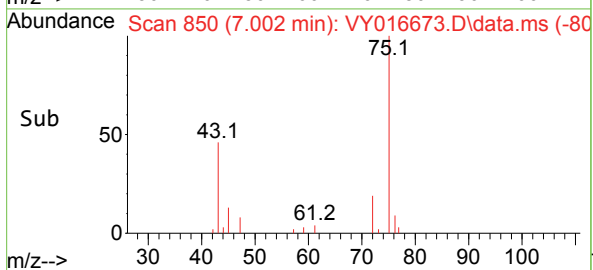
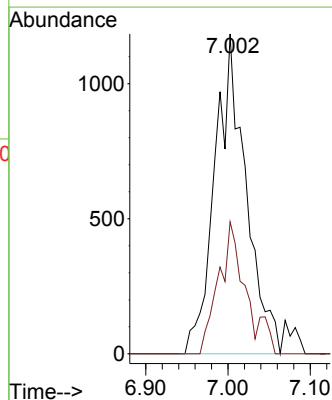
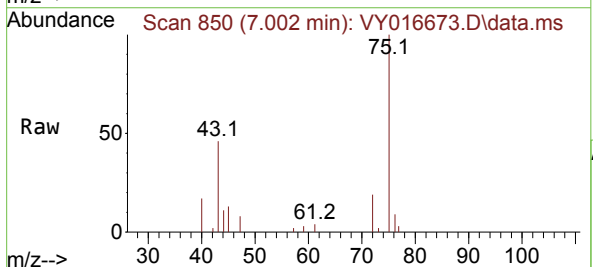


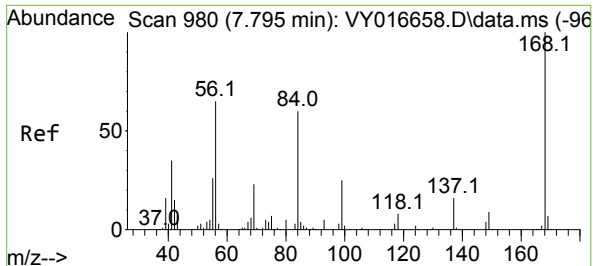
Tgt Ion: 84 Resp: 15330
Ion Ratio Lower Upper
84 100
49 100.3 106.9 160.3#
51 31.3 33.2 49.8#
86 66.5 51.0 76.6



#25
2-Butanone
Concen: Below Cal
RT: 7.002 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY016673.D
Acq: 16 Dec 2023 16:49

Tgt Ion: 43 Resp: 3108
Ion Ratio Lower Upper
43 100
72 41.3 20.5 30.7#

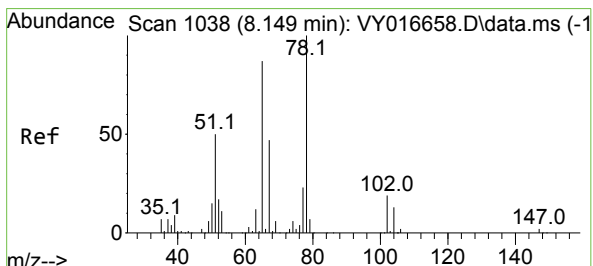
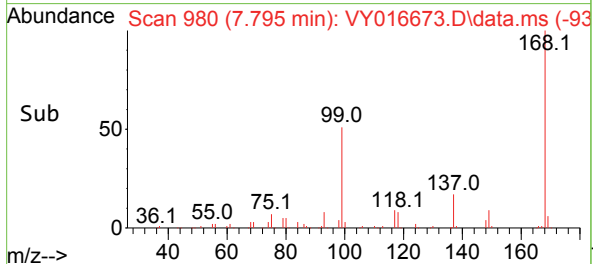
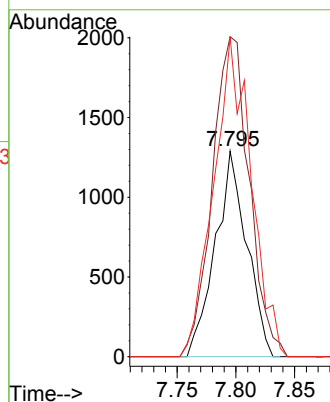
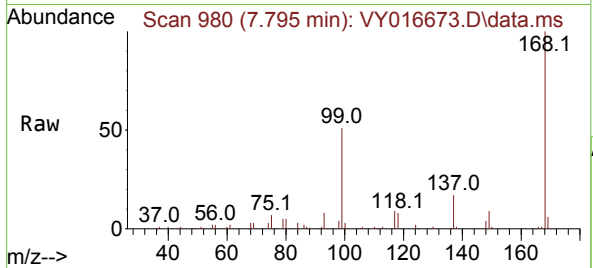




#31
Cyclohexane
Concen: 1.047 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY016673.D
Acq: 16 Dec 2023 16:49

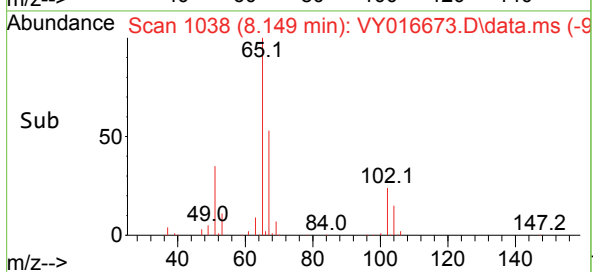
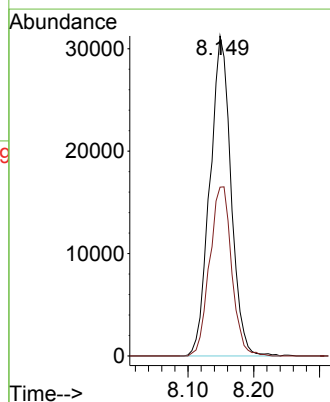
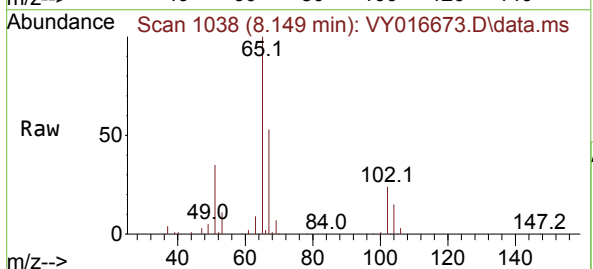
Instrument :
MSVOA_Y
ClientSampleId :

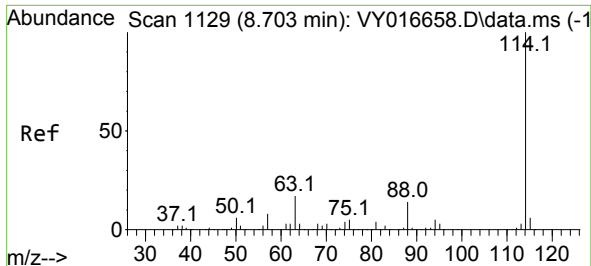
Tgt Ion: 56 Resp: 2410
Ion Ratio Lower Upper
56 100
69 155.7 27.8 41.6#
84 155.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 59.886 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY016673.D
Acq: 16 Dec 2023 16:49

Tgt Ion: 65 Resp: 69871
Ion Ratio Lower Upper
65 100
67 55.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY016673.D

Acq: 16 Dec 2023 16:49

Instrument :

MSVOA_Y

ClientSampleId :

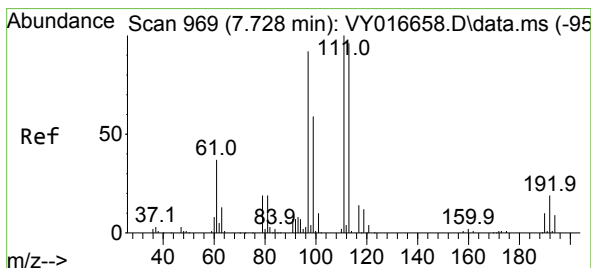
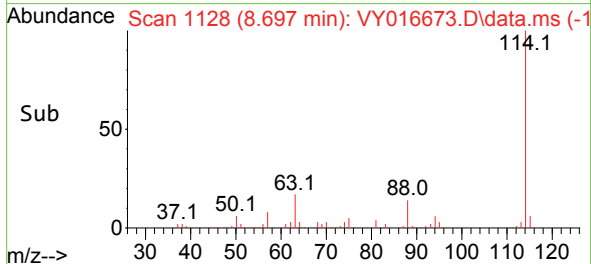
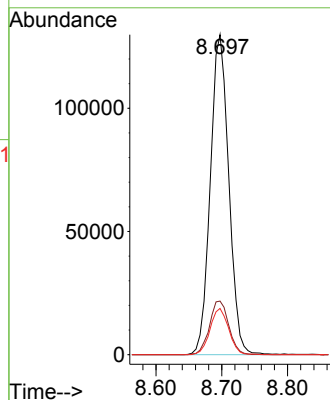
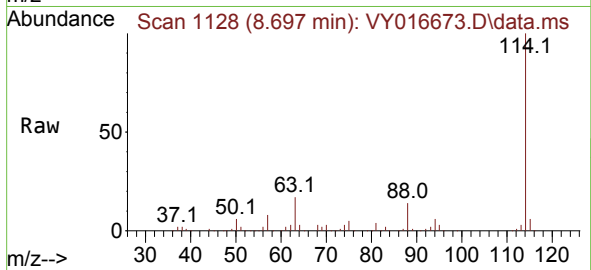
Tgt Ion:114 Resp: 253878

Ion Ratio Lower Upper

114 100

63 16.8 0.0 42.4

88 14.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 62.266 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.006 min

Lab File: VY016673.D

Acq: 16 Dec 2023 16:49

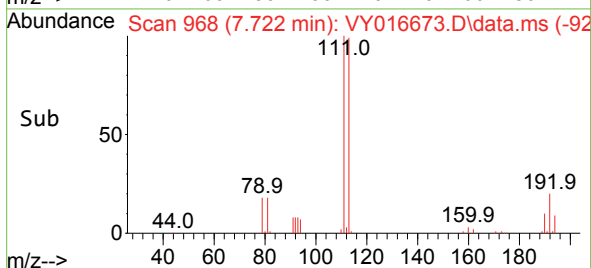
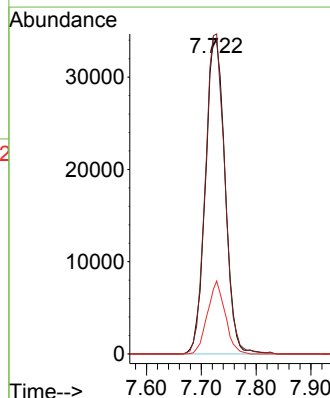
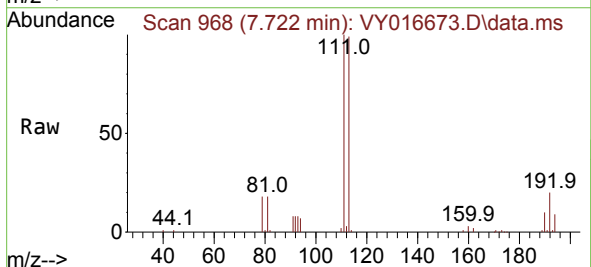
Tgt Ion:113 Resp: 84792

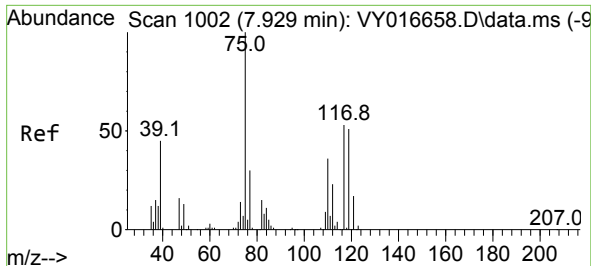
Ion Ratio Lower Upper

113 100

111 100.5 81.3 121.9

192 20.9 16.9 25.3

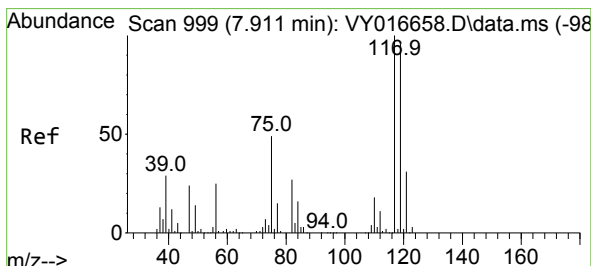
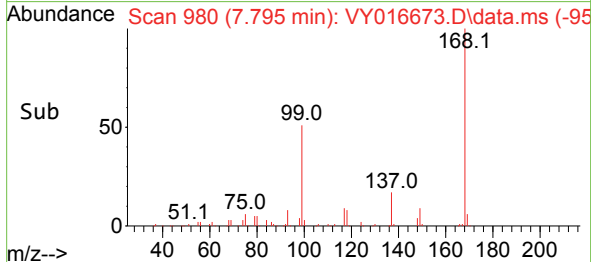
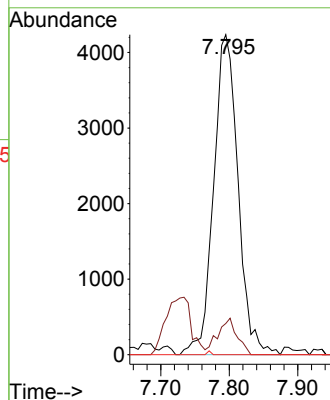
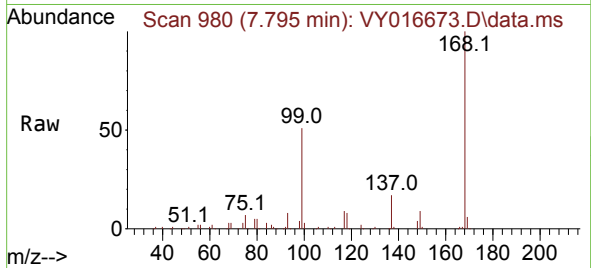




#36
1,1-Dichloropropene
Concen: 4.634 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY016673.D
Acq: 16 Dec 2023 16:49

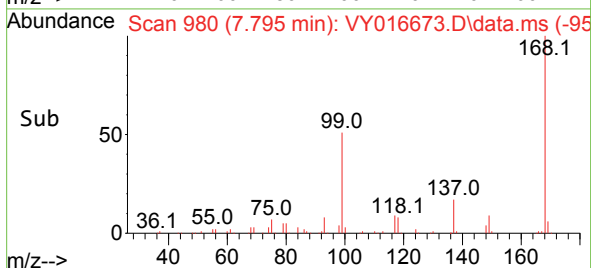
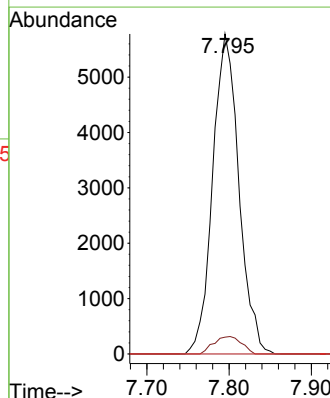
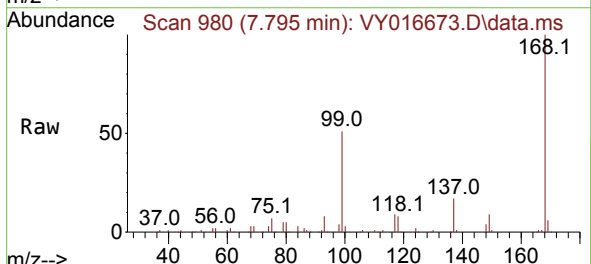
Instrument :
MSVOA_Y
ClientSampleId :

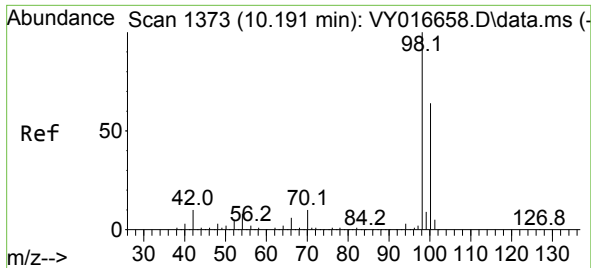
Tgt Ion: 75 Resp: 10451
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.647 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY016673.D
Acq: 16 Dec 2023 16:49

Tgt Ion: 117 Resp: 12794
Ion Ratio Lower Upper
117 100
119 5.3 76.4 114.6#
121 0.0 25.8 38.6#

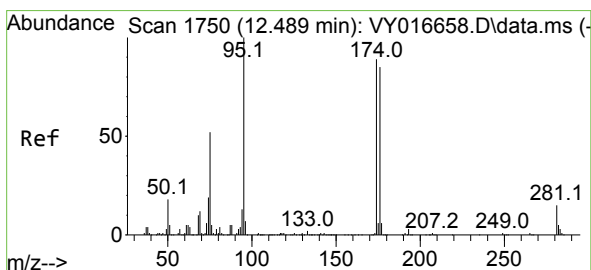
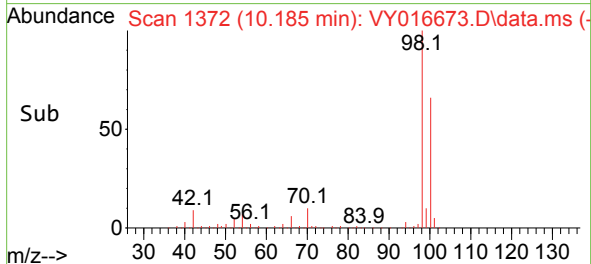
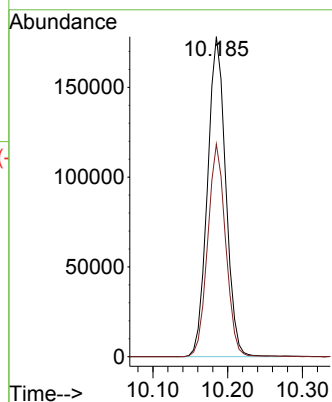
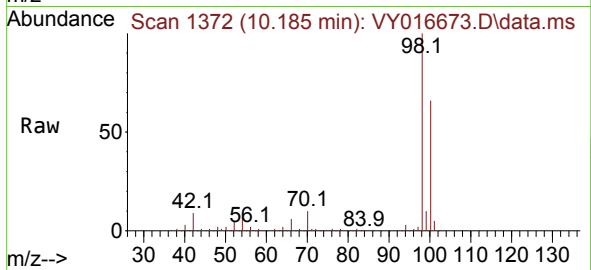




#50
Toluene-d8
Concen: 56.063 ug/l
RT: 10.185 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016673.D
Acq: 16 Dec 2023 16:49

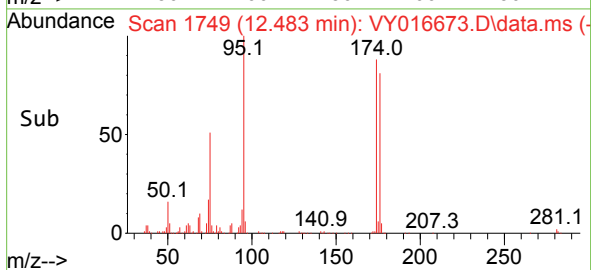
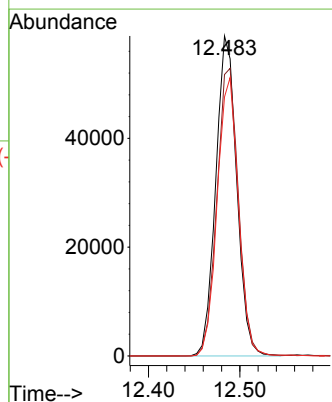
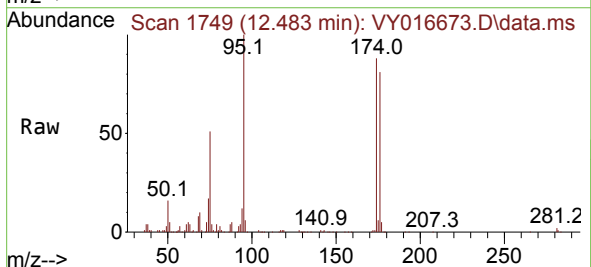
Instrument :
MSVOA_Y
ClientSampleId :

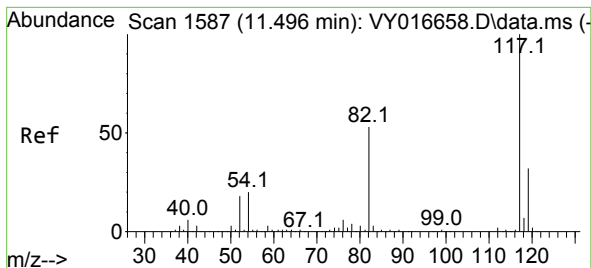
Tgt Ion: 98 Resp: 302415
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 53.676 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY016673.D
Acq: 16 Dec 2023 16:49

Tgt Ion: 95 Resp: 93673
Ion Ratio Lower Upper
95 100
174 93.1 0.0 178.2
176 88.3 0.0 173.8

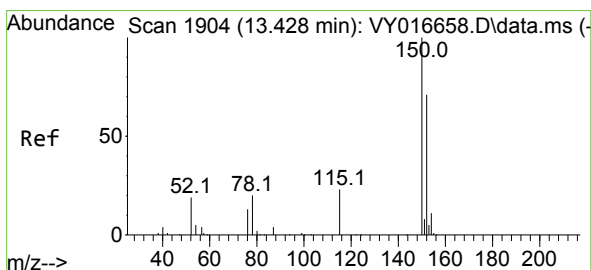
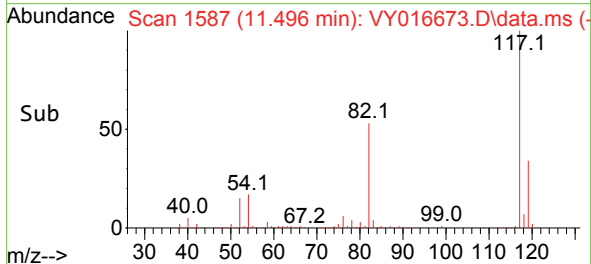
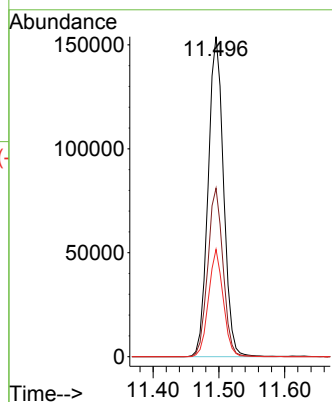
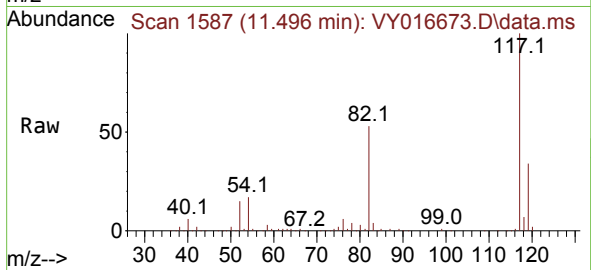




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY016673.D
Acq: 16 Dec 2023 16:49

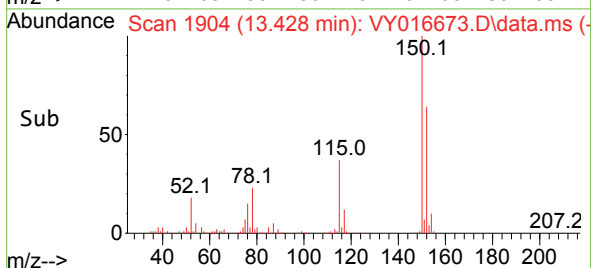
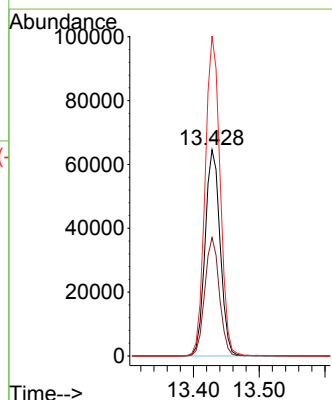
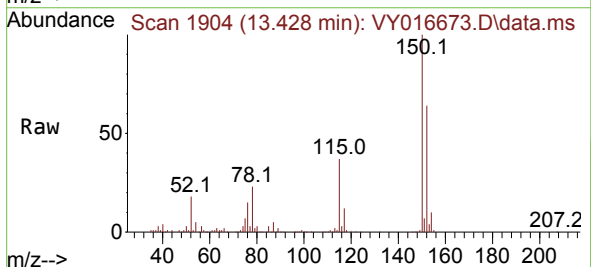
Instrument :
MSVOA_Y
ClientSampleId :

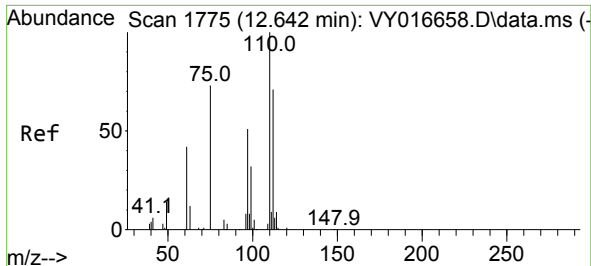
Tgt Ion:117 Resp: 250830
Ion Ratio Lower Upper
117 100
82 52.6 43.4 65.0
119 33.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY016673.D
Acq: 16 Dec 2023 16:49

Tgt Ion:152 Resp: 102497
Ion Ratio Lower Upper
152 100
115 55.6 28.8 86.5
150 154.7 0.0 348.8

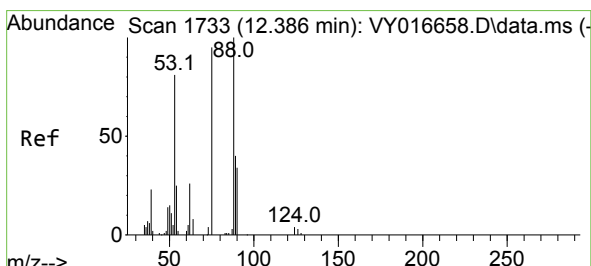
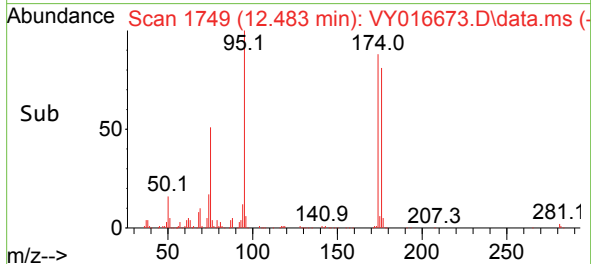
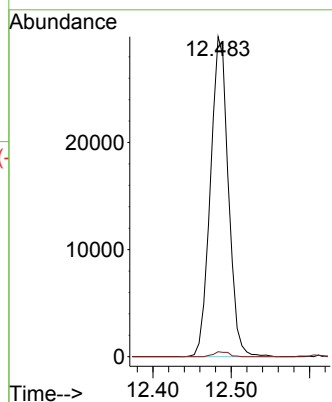
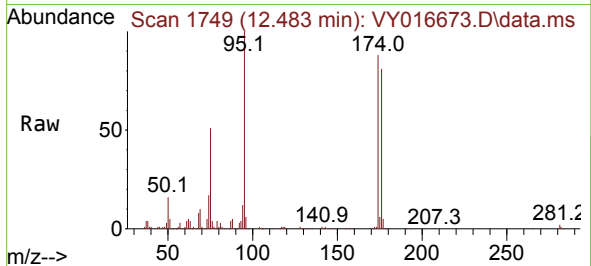




#76
1,2,3-Trichloropropane
Concen: 50.535 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.158 min
Lab File: VY016673.D
Acq: 16 Dec 2023 16:49

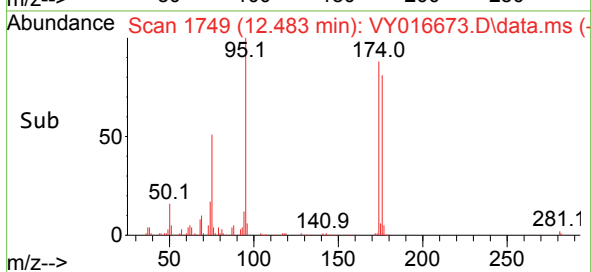
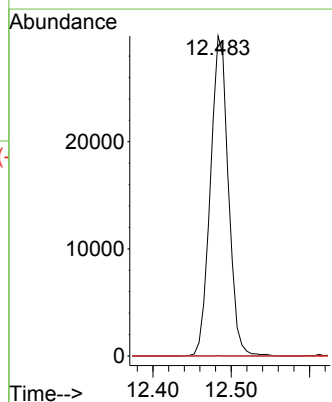
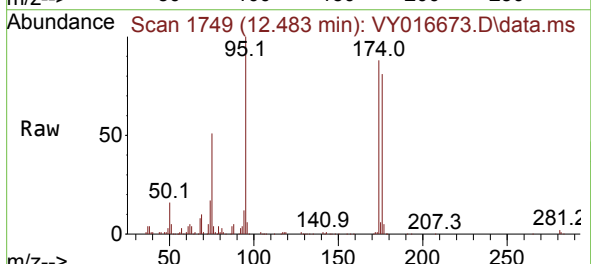
Instrument :
MSVOA_Y
ClientSampleId :

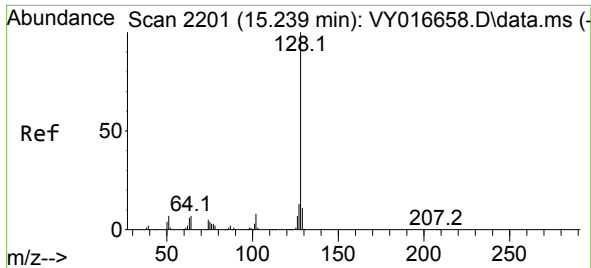
Tgt Ion: 75 Resp: 47445
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.483 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY016673.D
Acq: 16 Dec 2023 16:49

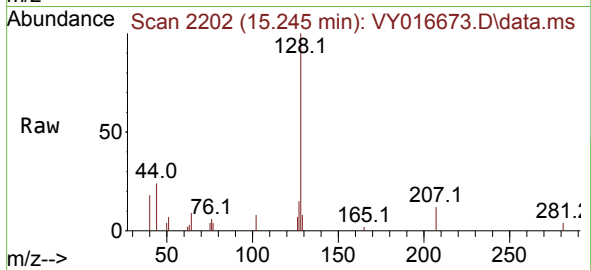
Tgt Ion: 75 Resp: 47445
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#95
Naphthalene
Concen: 1.529 ug/l
RT: 15.245 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY016673.D
Acq: 16 Dec 2023 16:49

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	4407
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.8	16.2
129	9.5	8.6	13.0

