

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121623\
 Data File : VY016671.D
 Acq On : 16 Dec 2023 16:03
 Operator : SY/MD
 Sample : 05793-01RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 18 00:41:07 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)

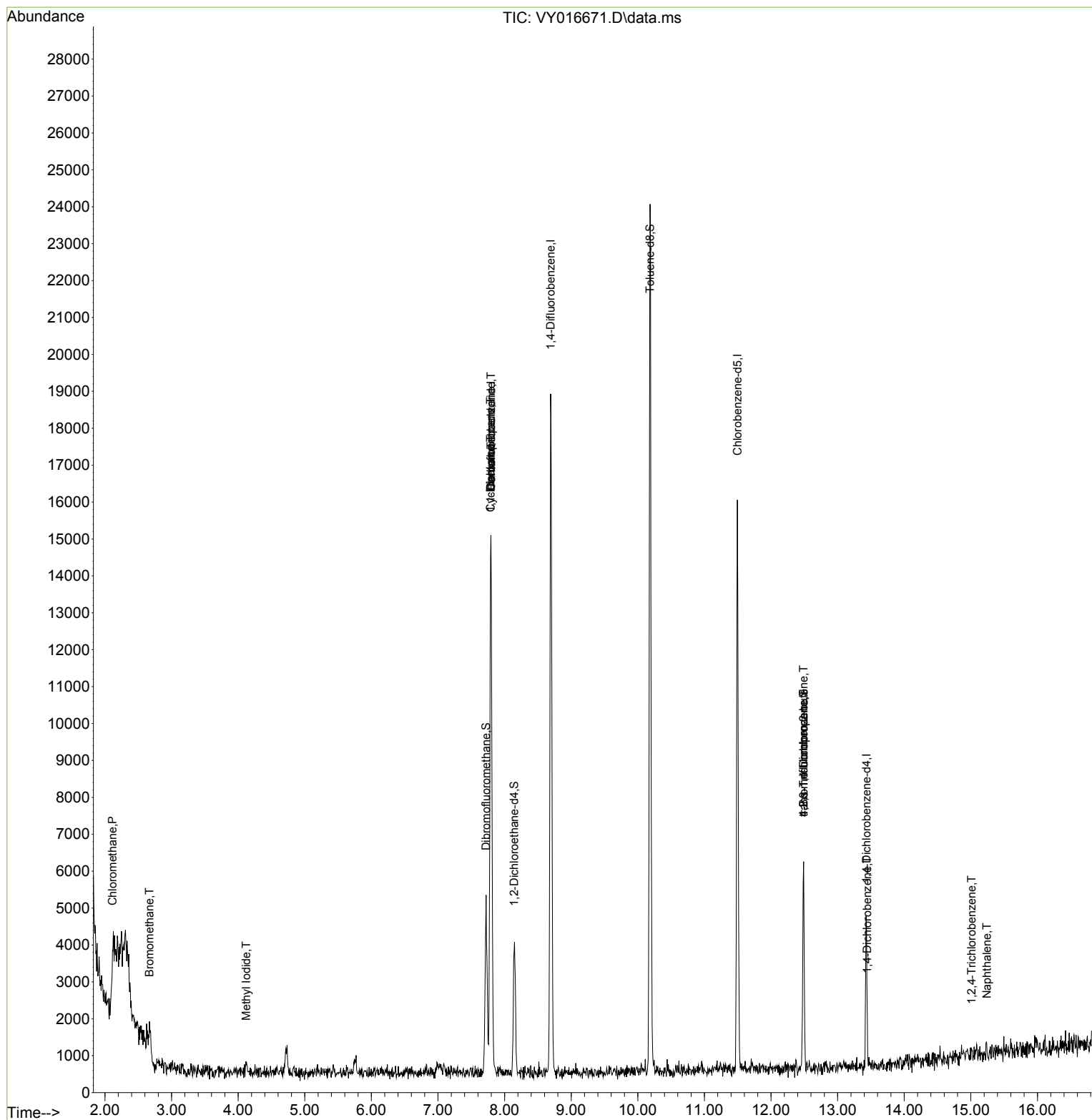
Internal Standards						
1) Pentafluorobenzene	7.795	168	12199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	16722	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.496	117	9351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	1293	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	2902	29.244	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	58.480%
35) Dibromofluoromethane	7.722	113	3202	35.699	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	71.400%
50) Toluene-d8	10.185	98	16690	47.311	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.620%
62) 4-Bromofluorobenzene	12.489	95	1858	16.164	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	32.320%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	421	2.842	ug/l #	86
5) Bromomethane	2.668	94	247	2.029	ug/l #	67
10) Methyl Iodide	4.119	142	330	2.699	ug/l #	63
20) Methylene Chloride	4.722	84	515	Below Cal	#	69
31) Cyclohexane	7.789	56	257	1.305	ug/l #	65
36) 1,1-Dichloropropene	7.789	75	791	5.324	ug/l #	41
38) Carbon Tetrachloride	7.795	117	1359	9.107	ug/l #	12
76) 1,2,3-Trichloropropane	12.489	75	1039	87.726	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	1039	200.473	ug/l #	10
88) 1,4-Dichlorobenzene	13.446	146	41	1.007	ug/l #	25
93) 1,2,4-Trichlorobenzene	15.013	180	35	1.823	ug/l #	13
95) Naphthalene	15.239	128	140	4.415	ug/l #	69

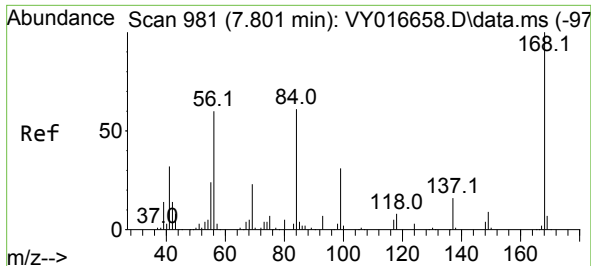
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121623\
Data File : VY016671.D
Acq On : 16 Dec 2023 16:03
Operator : SY/MD
Sample : 05793-01RE
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Dec 18 00:41:07 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

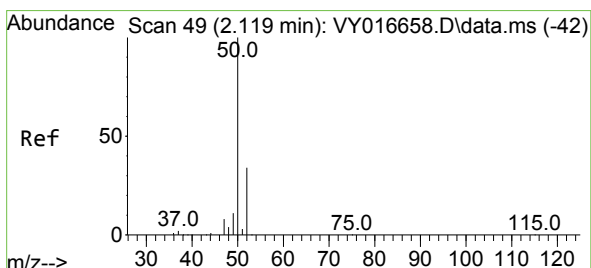
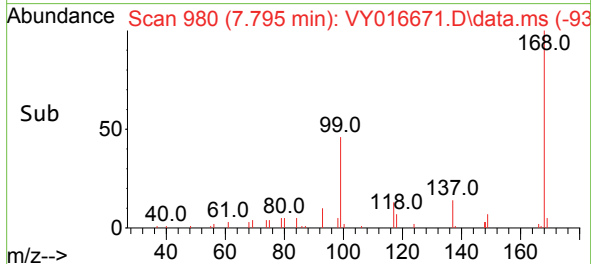
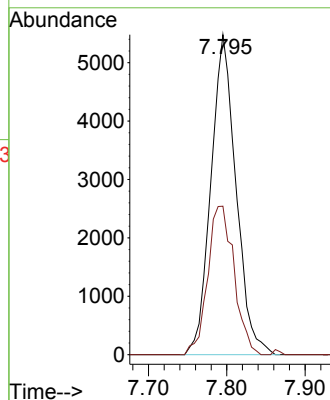
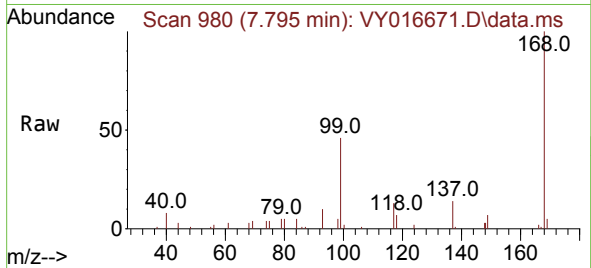




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016671.D
Acq: 16 Dec 2023 16:03

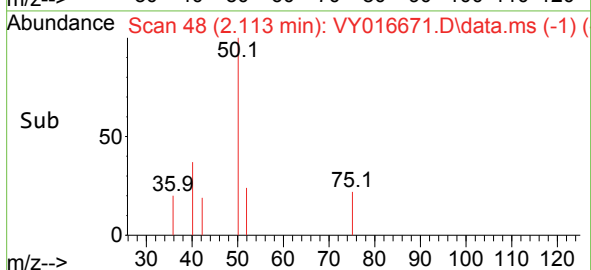
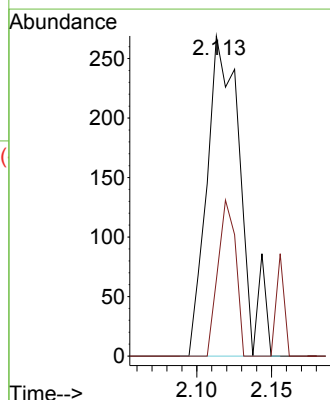
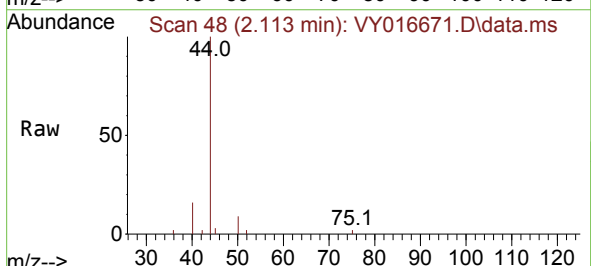
Instrument :
MSVOA_Y
ClientSampleId :

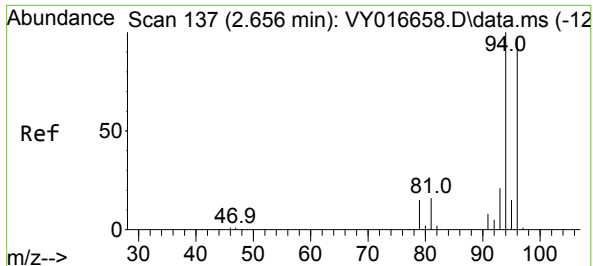
Tgt Ion:168 Resp: 12199
Ion Ratio Lower Upper
168 100
99 46.4 43.4 65.0



#3
Chloromethane
Concen: 2.842 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY016671.D
Acq: 16 Dec 2023 16:03

Tgt Ion: 50 Resp: 421
Ion Ratio Lower Upper
50 100
52 23.8 25.4 38.2#





#5

Bromomethane

Concen: 2.029 ug/l

RT: 2.668 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY016671.D

Acq: 16 Dec 2023 16:03

Instrument :

MSVOA_Y

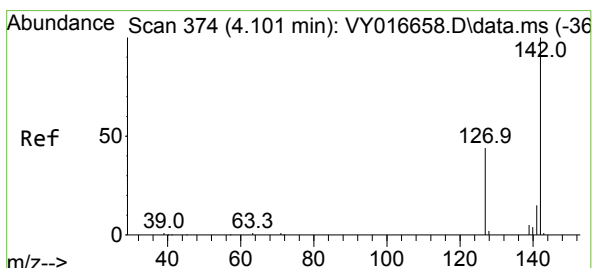
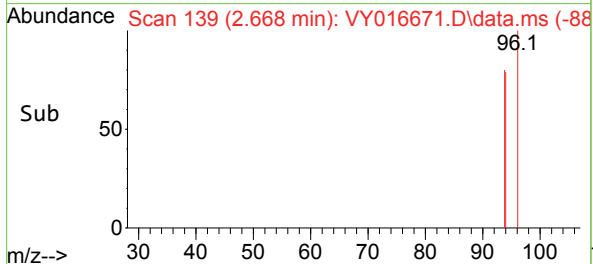
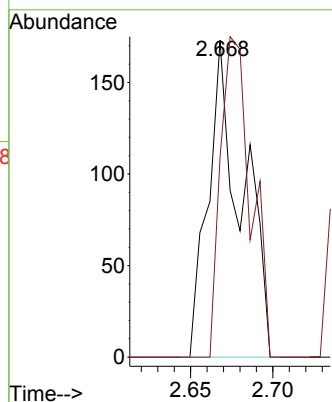
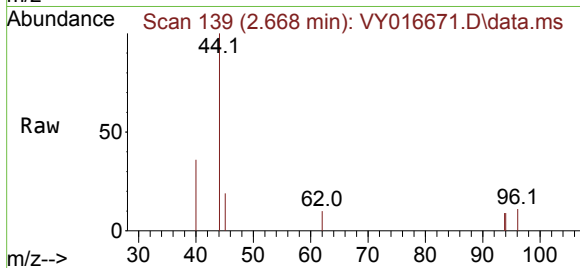
ClientSampleId :

Tgt Ion: 94 Resp: 247

Ion Ratio Lower Upper

94 100

96 63.0 75.8 113.6#



#10

Methyl Iodide

Concen: 2.699 ug/l

RT: 4.119 min Scan# 377

Delta R.T. 0.018 min

Lab File: VY016671.D

Acq: 16 Dec 2023 16:03

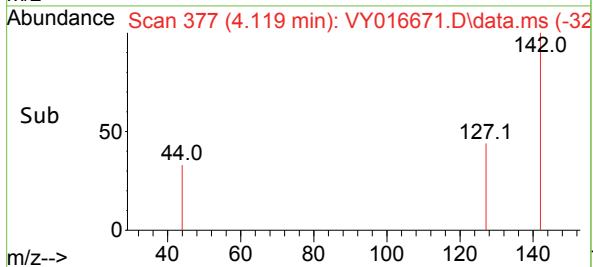
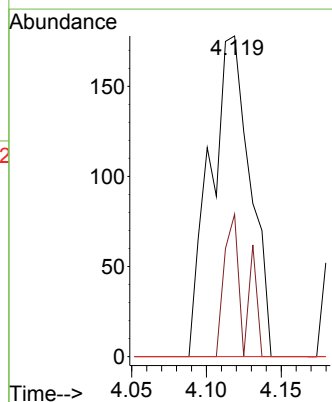
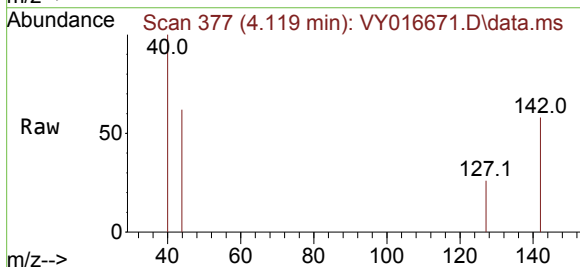
Tgt Ion: 142 Resp: 330

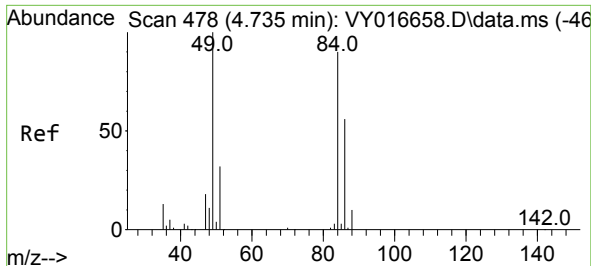
Ion Ratio Lower Upper

142 100

127 22.4 37.6 56.4#

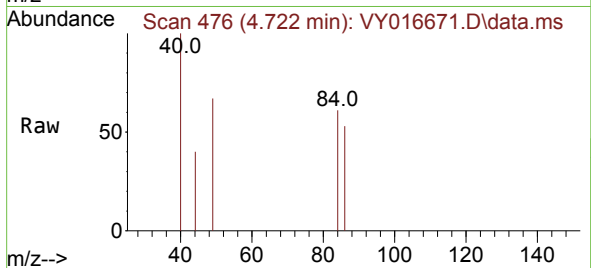
141 0.0 11.8 17.8#



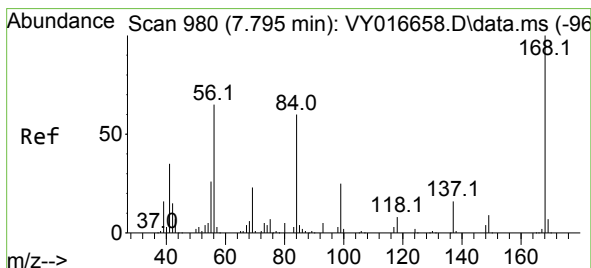
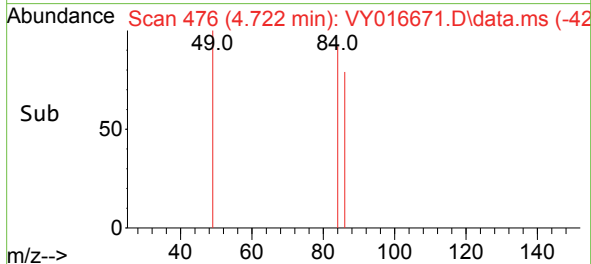
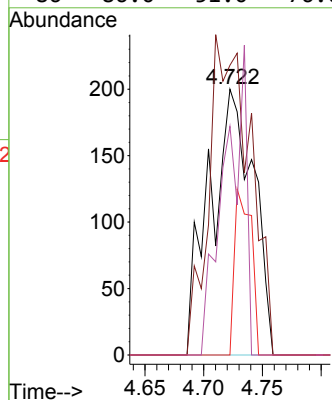


#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. -0.013 min
Lab File: VY016671.D
Acq: 16 Dec 2023 16:03

Instrument :
MSVOA_Y
ClientSampleId :

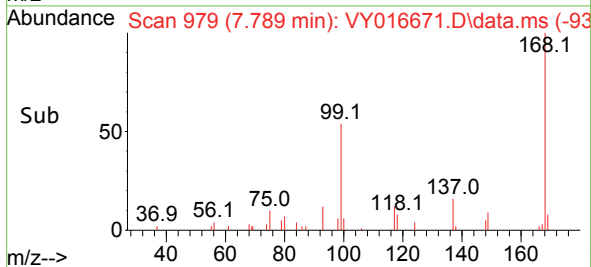
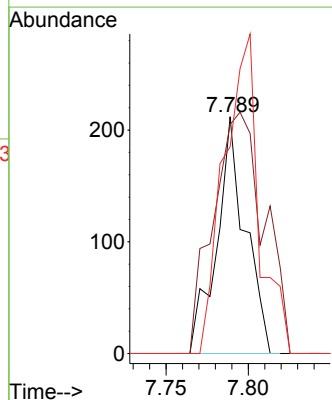
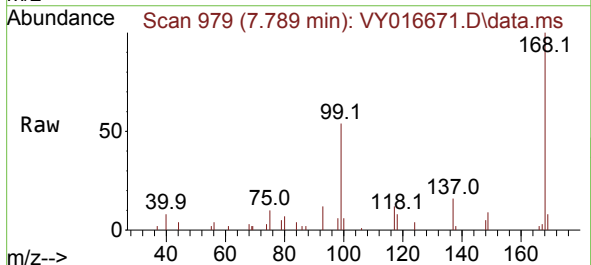


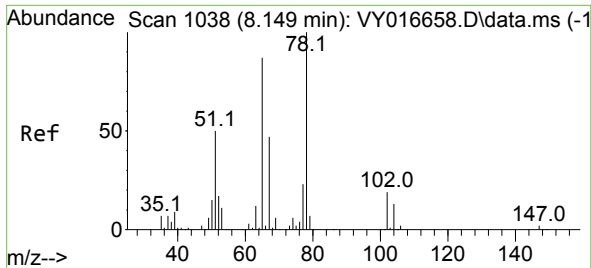
Tgt Ion: 84 Resp: 515
Ion Ratio Lower Upper
84 100
49 109.0 106.9 160.3
51 0.0 33.2 49.8#
86 86.0 51.0 76.6#



#31
Cyclohexane
Concen: 1.305 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY016671.D
Acq: 16 Dec 2023 16:03

Tgt Ion: 56 Resp: 257
Ion Ratio Lower Upper
56 100
69 96.7 27.8 41.6#
84 87.3 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 29.244 ug/l

RT: 8.142 min Scan# 1107

Delta R.T. -0.007 min

Lab File: VY016671.D

Acq: 16 Dec 2023 16:03

Instrument :

MSVOA_Y

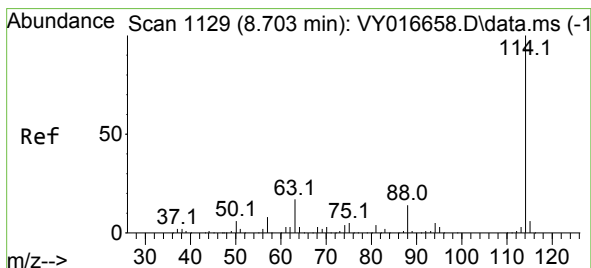
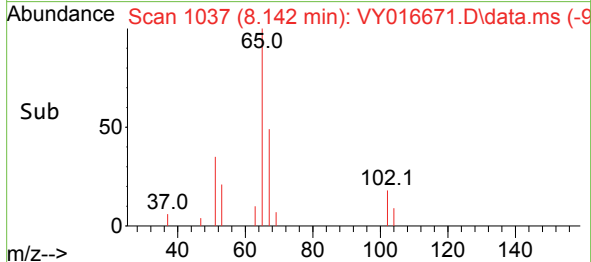
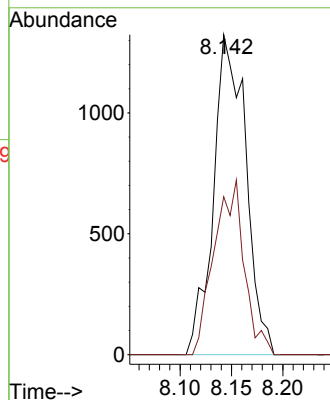
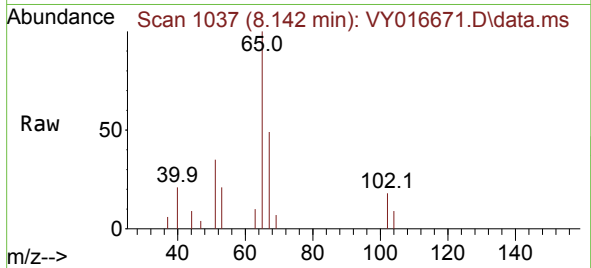
ClientSampleId :

Tgt Ion: 65 Resp: 2902

Ion Ratio Lower Upper

65 100

67 50.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.012 min

Lab File: VY016671.D

Acq: 16 Dec 2023 16:03

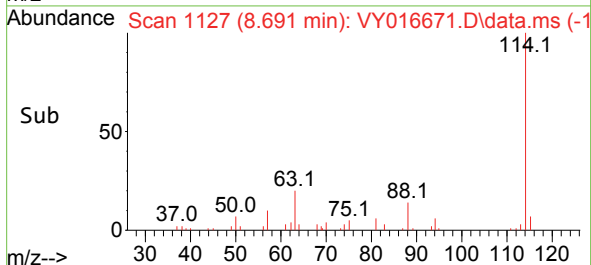
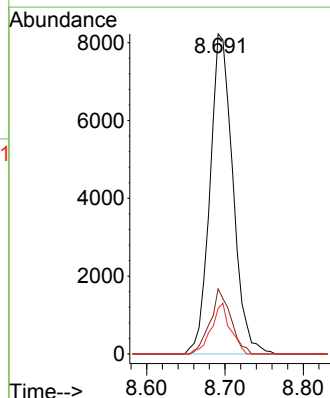
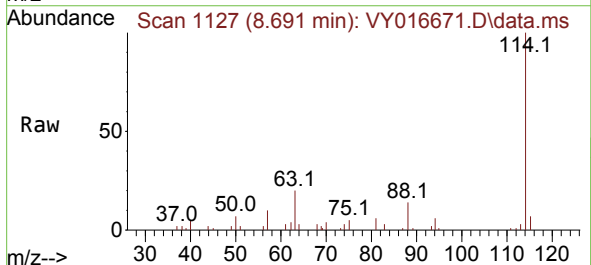
Tgt Ion: 114 Resp: 16722

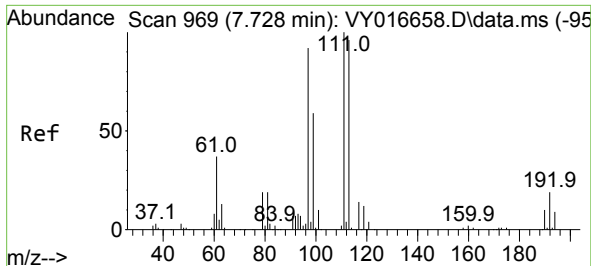
Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.4

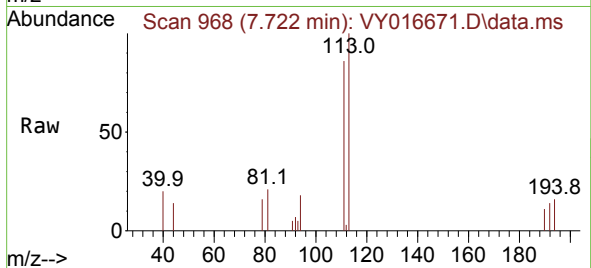
88 14.3 0.0 30.6



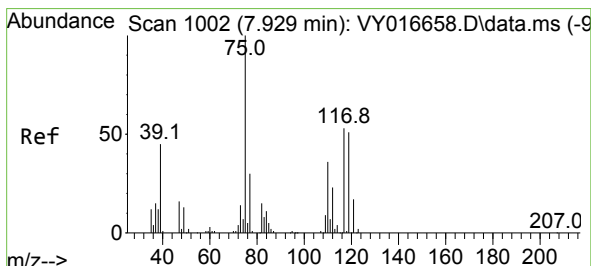
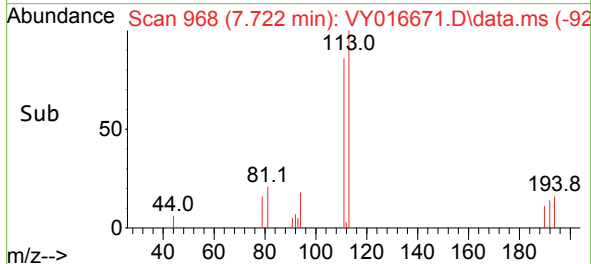
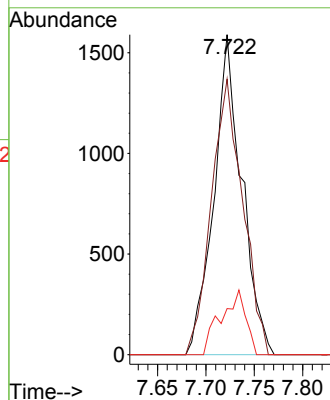


#35
 Dibromofluoromethane
 Concen: 35.699 ug/l
 RT: 7.722 min Scan# 910
 Delta R.T. -0.006 min
 Lab File: VY016671.D
 Acq: 16 Dec 2023 16:03

Instrument :
 MSVOA_Y
 ClientSampleId :

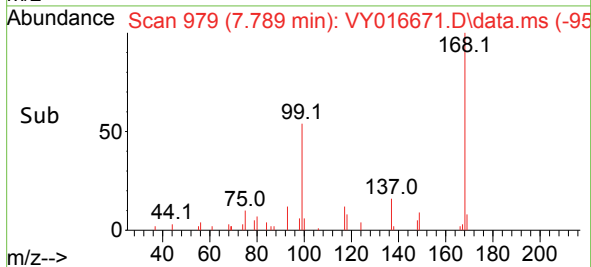
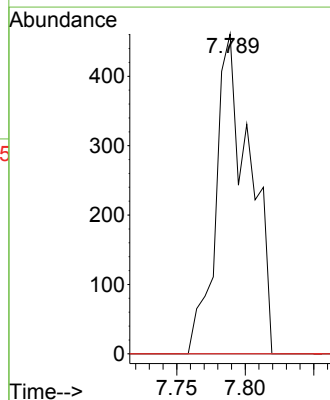
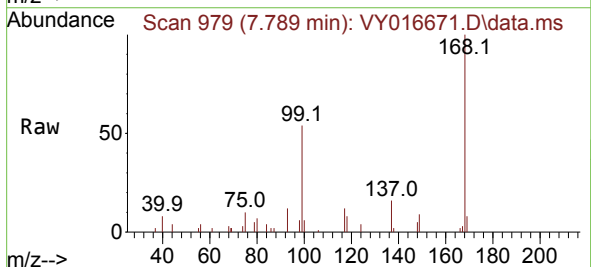


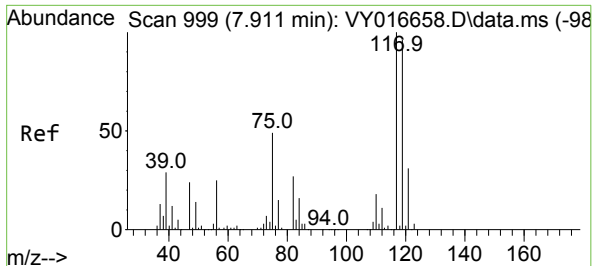
Tgt Ion:113	Resp:	3202	
Ion	Ratio	Lower	Upper
113	100		
111	96.3	81.3	121.9
192	17.9	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 5.324 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.140 min
 Lab File: VY016671.D
 Acq: 16 Dec 2023 16:03

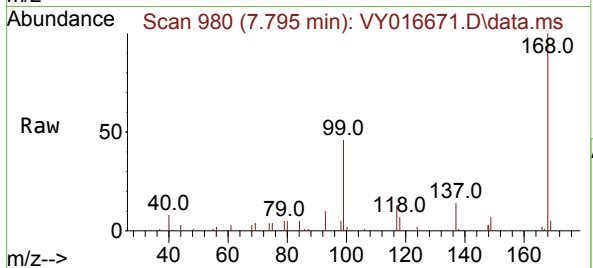
Tgt Ion: 75	Resp: 791
Ion Ratio	Lower Upper
75 100	
110 0.0	17.8 53.5#
77 0.0	24.4 36.6#



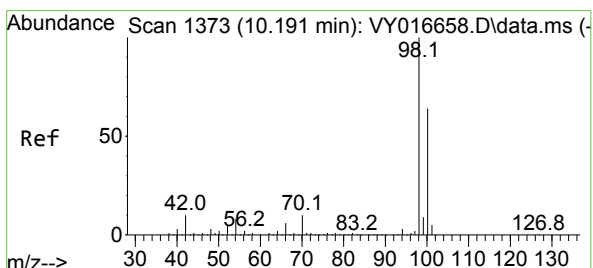
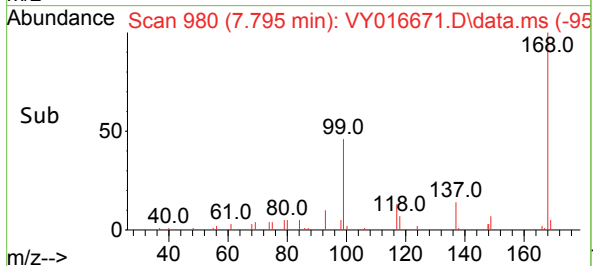
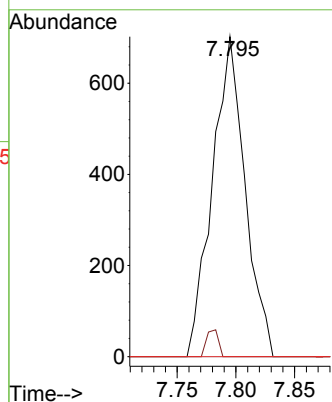


#38
Carbon Tetrachloride
Concen: 9.107 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY016671.D
Acq: 16 Dec 2023 16:03

Instrument :
MSVOA_Y
ClientSampleId :

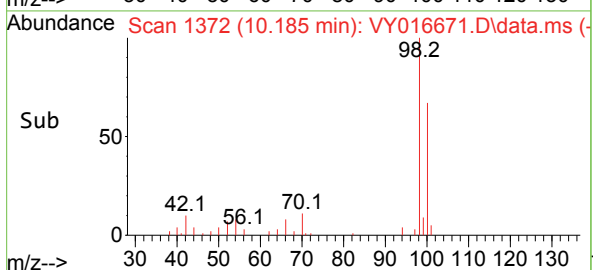
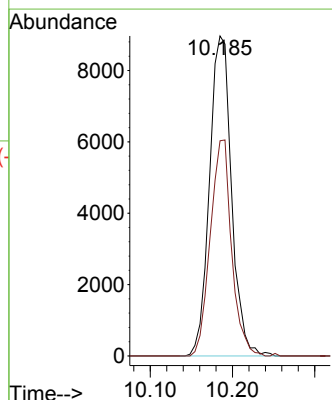
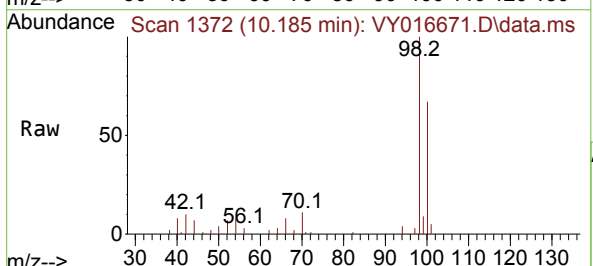


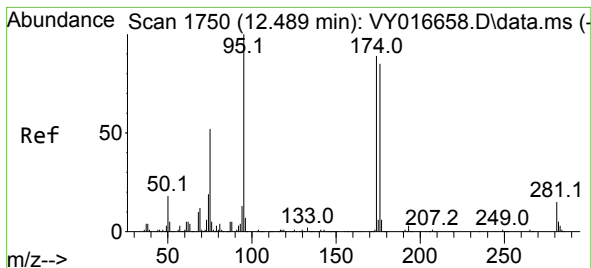
Tgt Ion:117 Resp: 1359
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 47.311 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.006 min
Lab File: VY016671.D
Acq: 16 Dec 2023 16:03

Tgt Ion: 98 Resp: 16690
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1

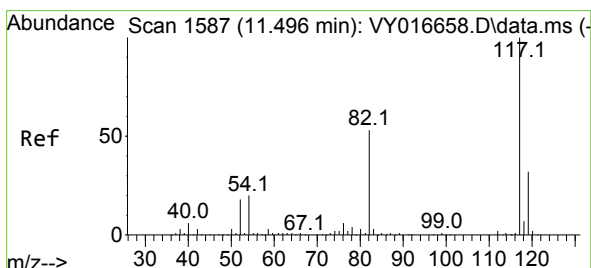
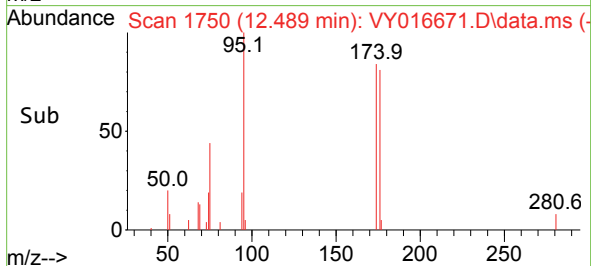
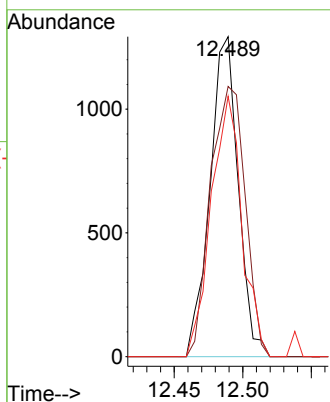
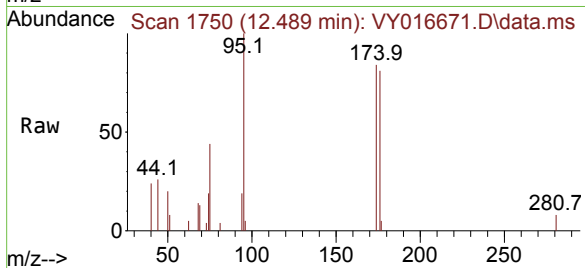




#62
4-Bromofluorobenzene
Concen: 16.164 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY016671.D
Acq: 16 Dec 2023 16:03

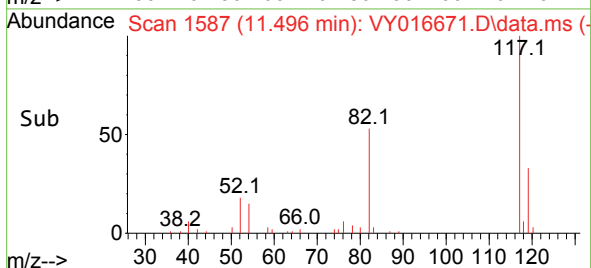
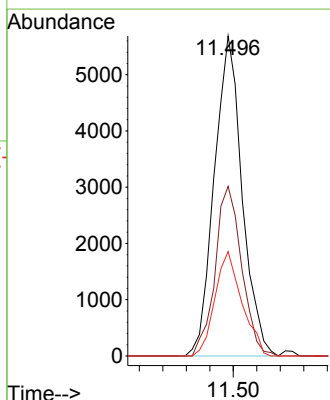
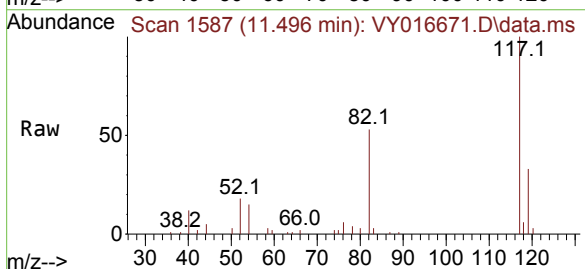
Instrument :
MSVOA_Y
ClientSampleId :

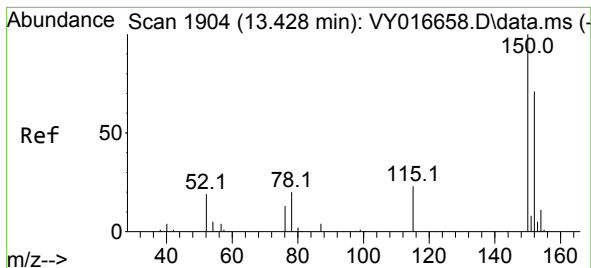
Tgt Ion:	95	Resp:	1858
Ion	Ratio	Lower	Upper
95	100		
174	103.6	0.0	178.2
176	88.4	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY016671.D
Acq: 16 Dec 2023 16:03

Tgt Ion:	117	Resp:	9351
Ion	Ratio	Lower	Upper
117	100		
82	53.0	43.4	65.0
119	32.6	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY016671.D

Acq: 16 Dec 2023 16:03

Instrument :

MSVOA_Y

ClientSampleId :

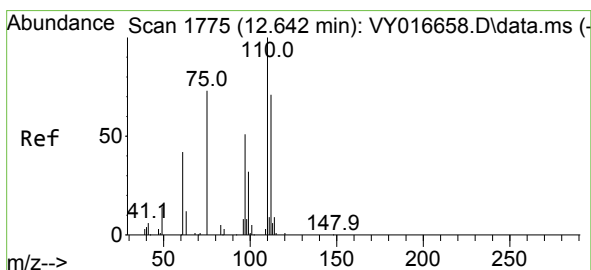
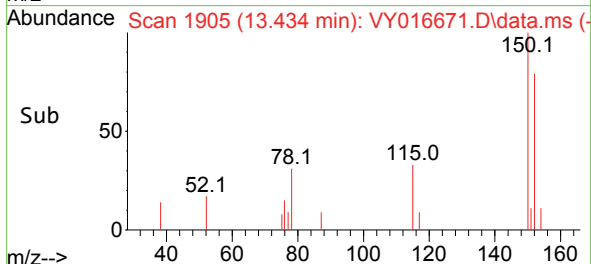
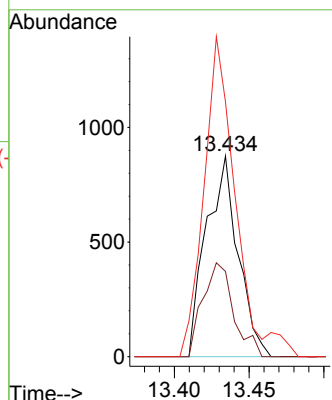
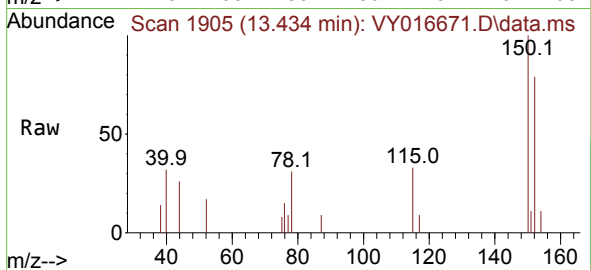
Tgt Ion:152 Resp: 1293

Ion Ratio Lower Upper

152 100

115 45.3 28.8 86.5

150 157.6 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 87.726 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY016671.D

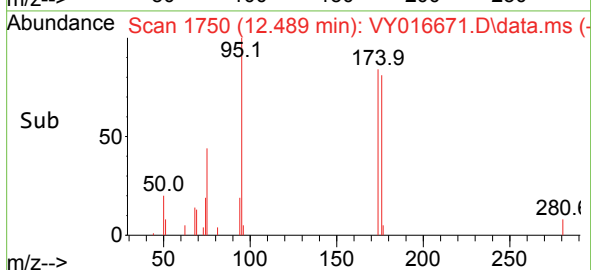
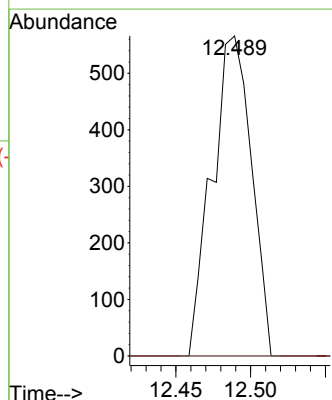
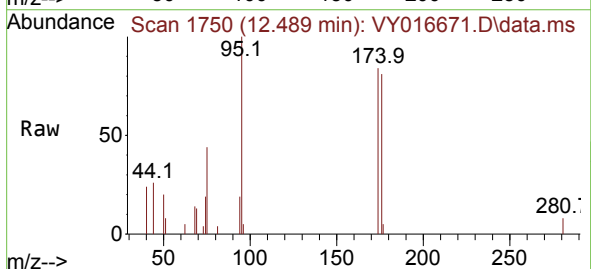
Acq: 16 Dec 2023 16:03

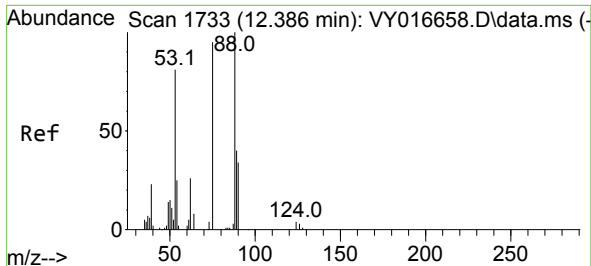
Tgt Ion: 75 Resp: 1039

Ion Ratio Lower Upper

75 100

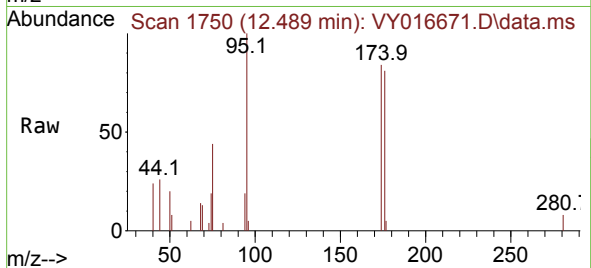
77 0.0 0.0 0.0



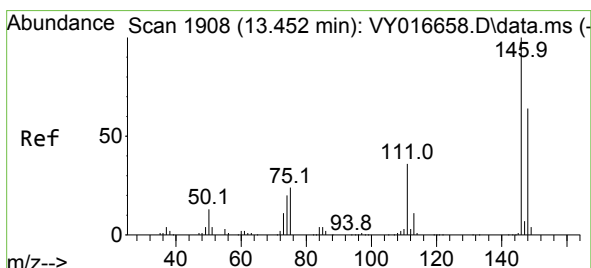
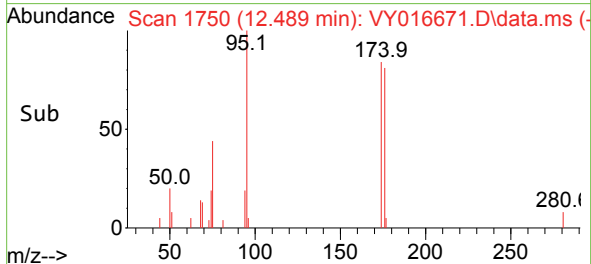
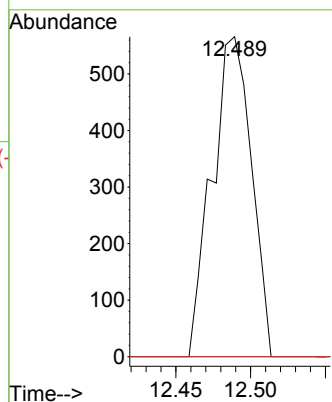


#81
trans-1,4-Dichloro-2-butene
Concen: 200.473 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY016671.D
Acq: 16 Dec 2023 16:03

Instrument :
MSVOA_Y
ClientSampleId :

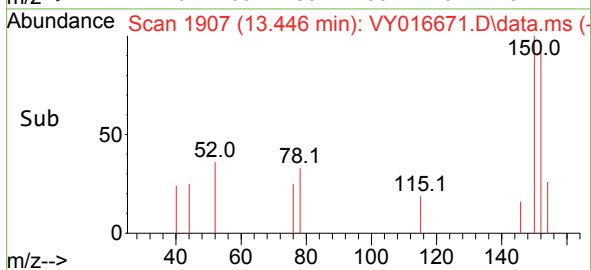
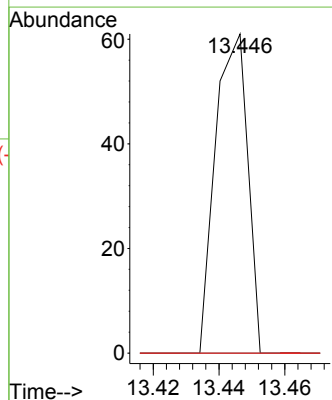
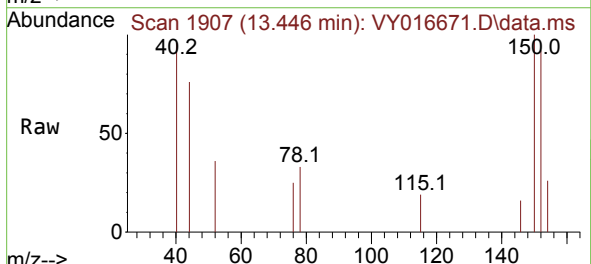


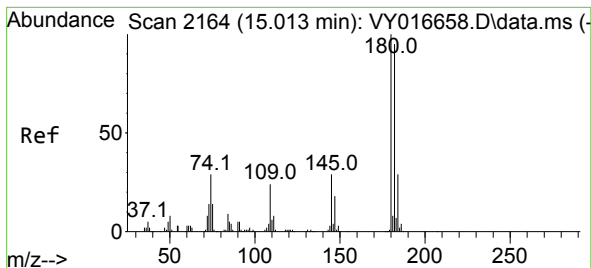
Tgt Ion: 75 Resp: 1039
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#88
1,4-Dichlorobenzene
Concen: 1.007 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY016671.D
Acq: 16 Dec 2023 16:03

Tgt Ion: 146 Resp: 41
Ion Ratio Lower Upper
146 100
111 0.0 18.9 56.7#
148 0.0 32.1 96.5#





#93

1,2,4-Trichlorobenzene

Concen: 1.823 ug/l

RT: 15.013 min Scan# 2164

Delta R.T. 0.000 min

Lab File: VY016671.D

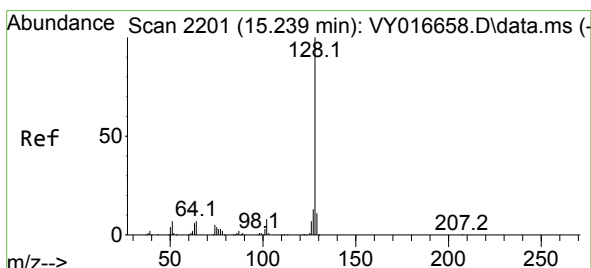
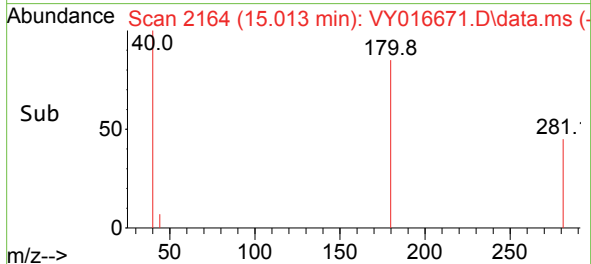
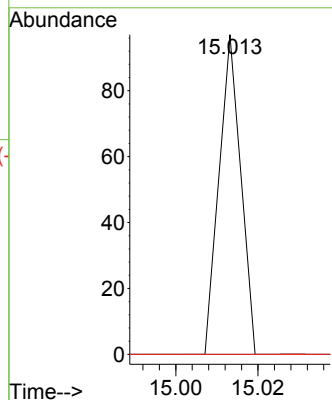
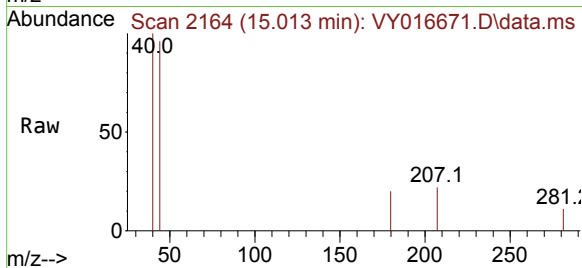
Acq: 16 Dec 2023 16:03

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:180	Resp:	35
Ion Ratio	Lower	Upper
180	100	
182	0.0	47.0 141.2#
145	0.0	14.5 43.5#



#95

Naphthalene

Concen: 4.415 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY016671.D

Acq: 16 Dec 2023 16:03

Tgt Ion:128	Resp:	140
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.8 16.2#
129	0.0	8.6 13.0#

