

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010924\
 Data File : VY016944.D
 Acq On : 09 Jan 2024 13:27
 Operator : SY/MD
 Sample : P1070-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 10 02:25:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

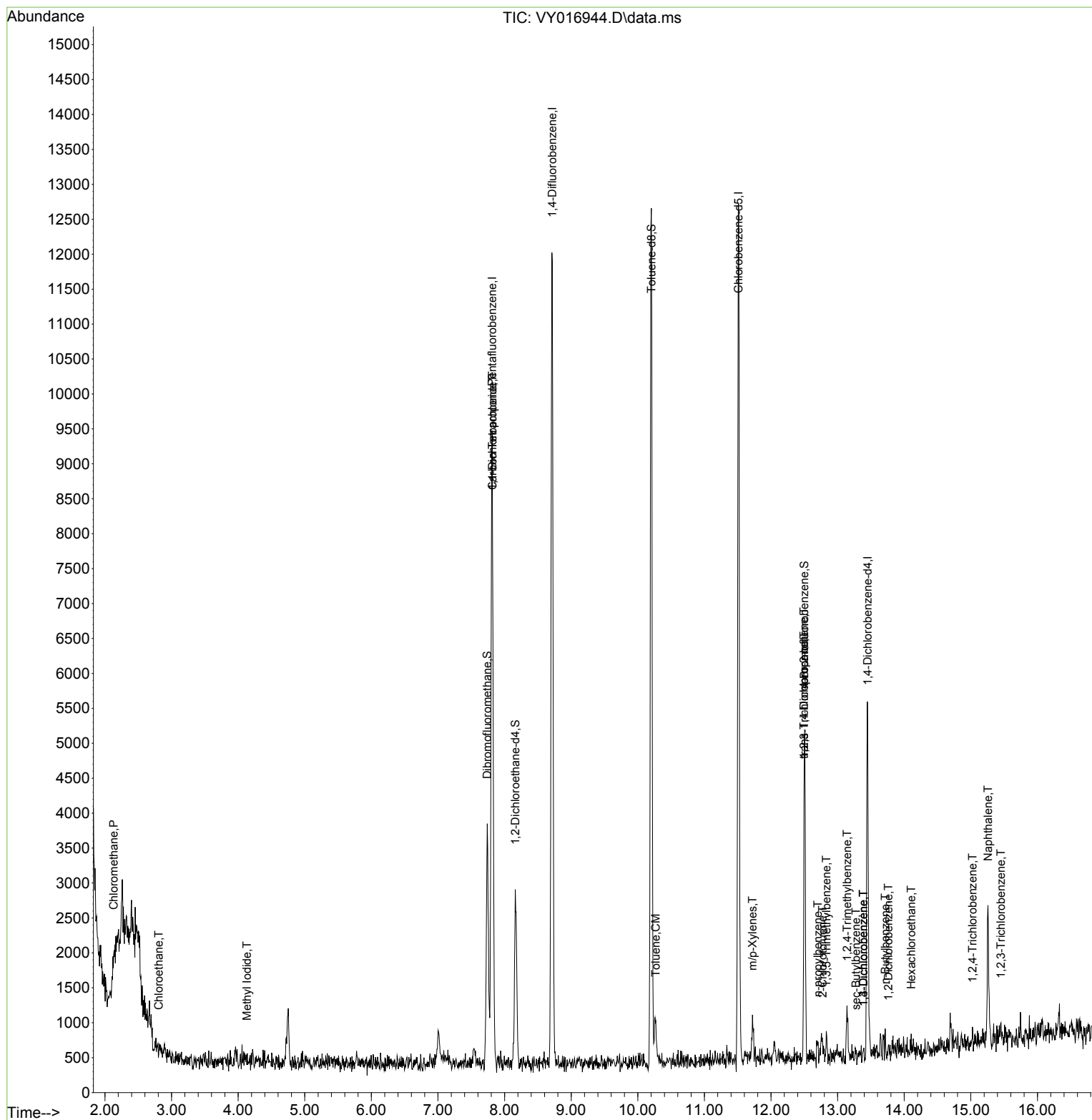
Internal Standards						
1) Pentafluorobenzene	7.813	168	7377	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.716	114	10570	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	7724	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.453	152	1585	50.000	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	2148	29.460	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	58.920%
35) Dibromofluoromethane	7.740	113	2467	36.626	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	73.260%
50) Toluene-d8	10.203	98	9247	39.868	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	79.740%
62) 4-Bromofluorobenzene	12.501	95	1759	22.478	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	44.960%
Target Compounds						
					Qvalue	
3) Chloromethane	2.131	50	91	1.050	ug/l #	41
6) Chloroethane	2.808	64	107	1.547	ug/l #	43
10) Methyl Iodide	4.131	142	146	2.096	ug/l #	40
16) Acetone	3.966	43	219	Below Cal	#	41
20) Methylene Chloride	4.741	84	523	Below Cal	#	87
36) 1,1-Dichloropropene	7.819	75	699	7.121	ug/l #	42
38) Carbon Tetrachloride	7.819	117	771	7.731	ug/l #	12
52) Toluene	10.270	92	380	2.138	ug/l	97
68) m/p-Xylenes	11.721	106	330	3.103	ug/l #	72
76) 1,2,3-Trichloropropane	12.495	75	945	54.941	ug/l #	100
78) n-propylbenzene	12.703	91	178	1.131	ug/l #	54
79) 2-Chlorotoluene	12.776	91	128	1.467	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.831	105	271	2.647	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.495	75	945	124.758	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.142	105	643	6.378	ug/l	94
85) sec-Butylbenzene	13.276	105	143	1.070	ug/l #	57
87) 1,3-Dichlorobenzene	13.385	146	82	1.467	ug/l #	25
88) 1,4-Dichlorobenzene	13.385	146	82	1.500	ug/l #	25
89) n-Butylbenzene	13.715	91	177	1.670	ug/l #	33
90) Hexachloroethane	14.105	117	119	5.023	ug/l #	17
91) 1,2-Dichlorobenzene	13.763	146	54	1.118	ug/l #	47
93) 1,2,4-Trichlorobenzene	15.025	180	52	2.168	ug/l #	12
95) Naphthalene	15.257	128	1898	44.065	ug/l	96
96) 1,2,3-Trichlorobenzene	15.452	180	74	3.634	ug/l #	40

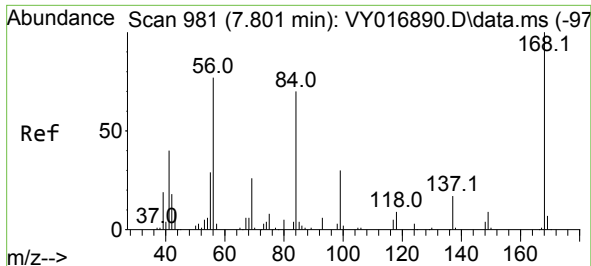
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_Y
ClientSampleId :

Quant Time: Jan 10 02:25:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 02 14:25:32 2024
Response via : Initial Calibration

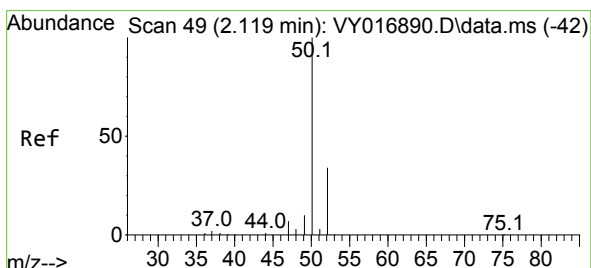
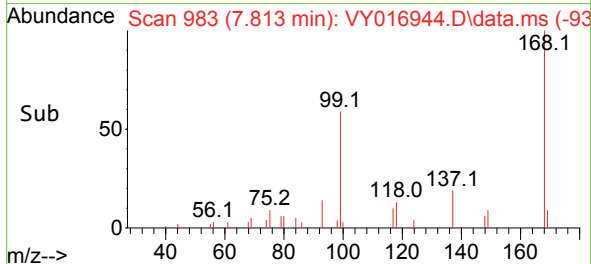
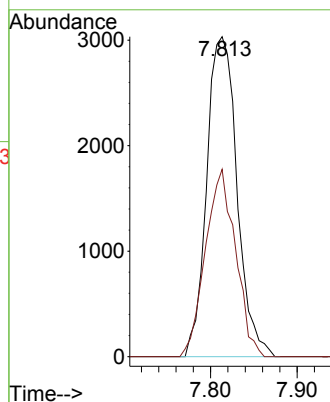
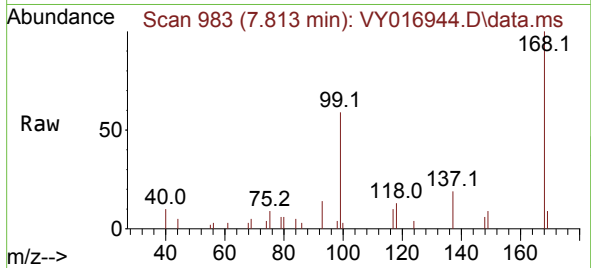




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016944.D
Acq: 09 Jan 2024 13:27

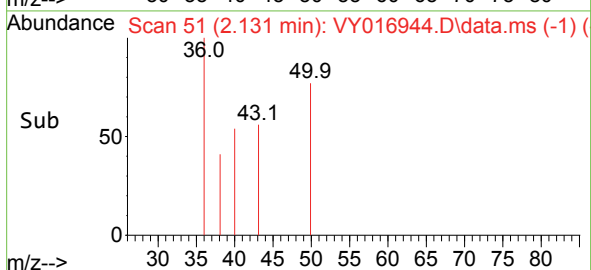
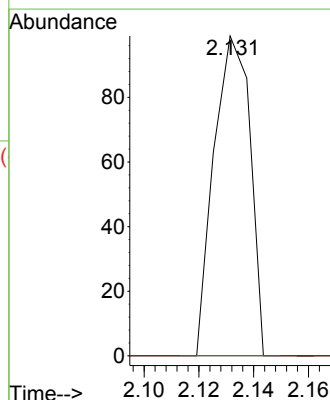
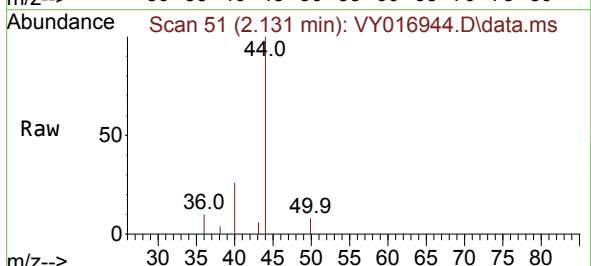
Instrument :
MSVOA_Y
ClientSampleId :

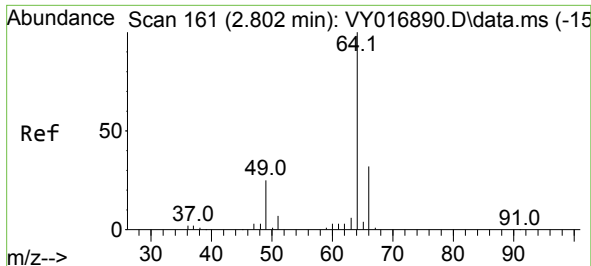
Tgt Ion:168 Resp: 7377
Ion Ratio Lower Upper
168 100
99 58.6 44.2 66.4



#3
Chloromethane
Concen: 1.050 ug/l
RT: 2.131 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY016944.D
Acq: 09 Jan 2024 13:27

Tgt Ion: 50 Resp: 91
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

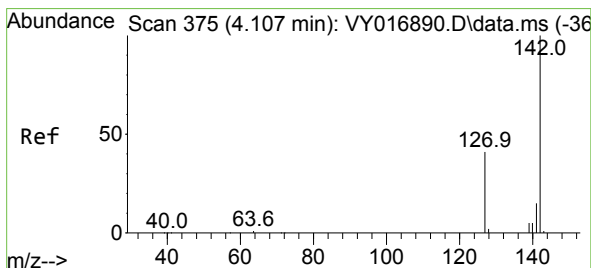
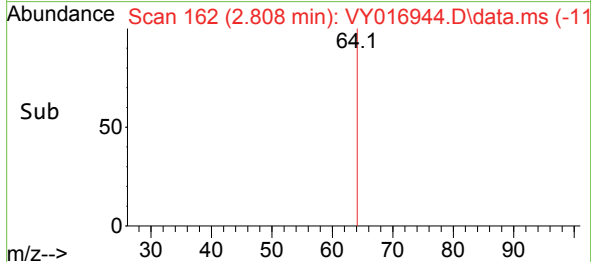
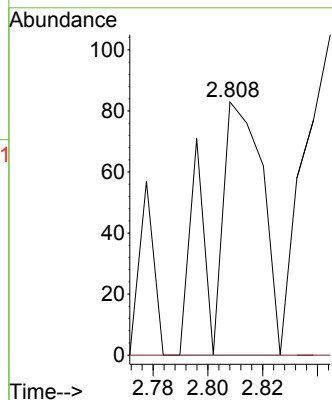
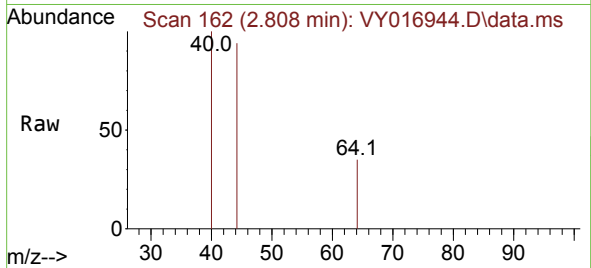




#6
Chloroethane
Concen: 1.547 ug/l
RT: 2.808 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY016944.D
Acq: 09 Jan 2024 13:27

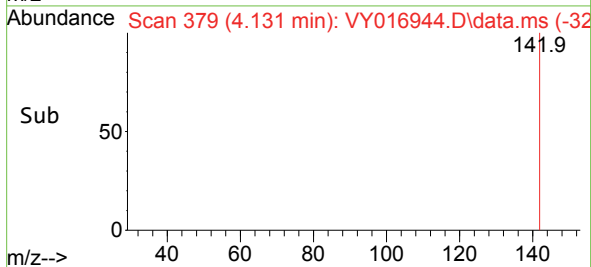
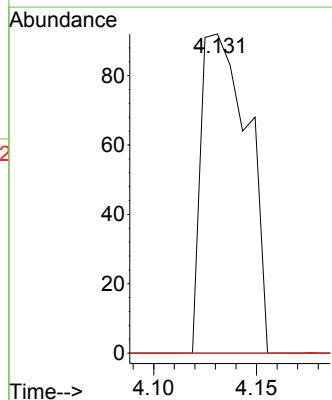
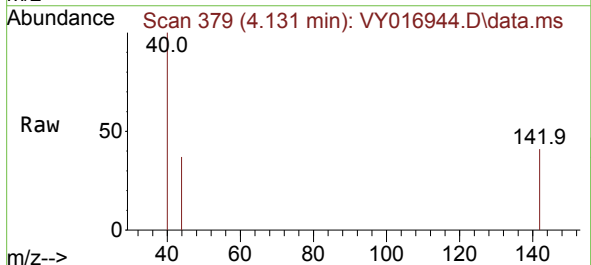
Instrument :
MSVOA_Y
ClientSampleId :

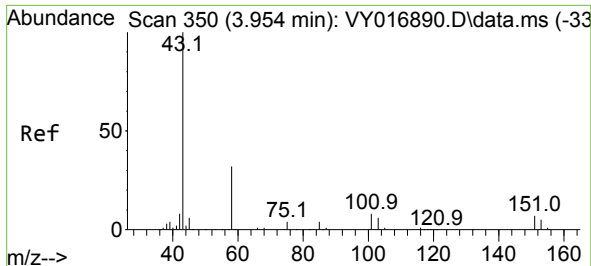
Tgt Ion: 64 Resp: 107
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#10
Methyl Iodide
Concen: 2.096 ug/l
RT: 4.131 min Scan# 379
Delta R.T. 0.025 min
Lab File: VY016944.D
Acq: 09 Jan 2024 13:27

Tgt Ion:142 Resp: 146
Ion Ratio Lower Upper
142 100
127 0.0 35.1 52.7#
141 0.0 11.8 17.6#

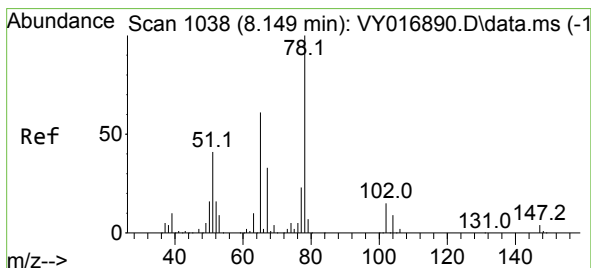
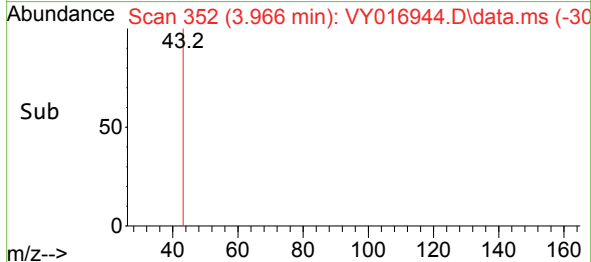
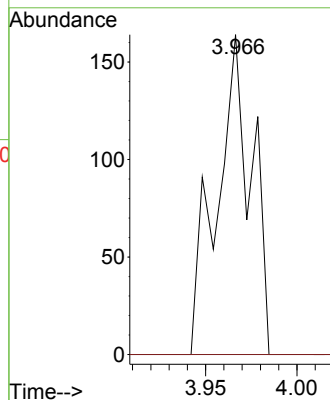
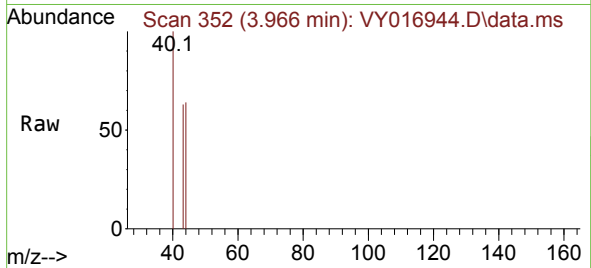




#16
Acetone
Concen: Below Cal
RT: 3.966 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY016944.D
Acq: 09 Jan 2024 13:27

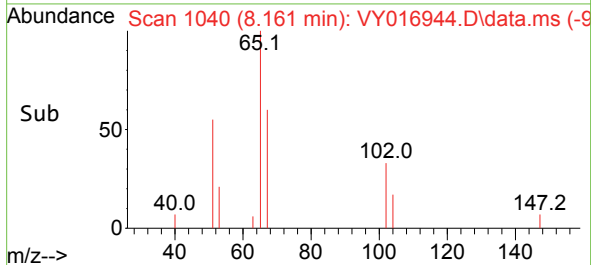
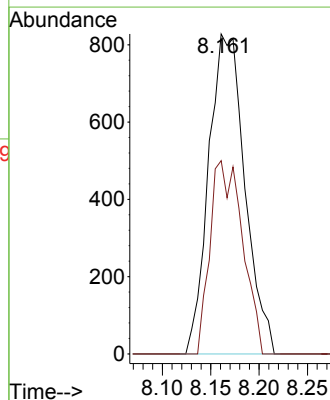
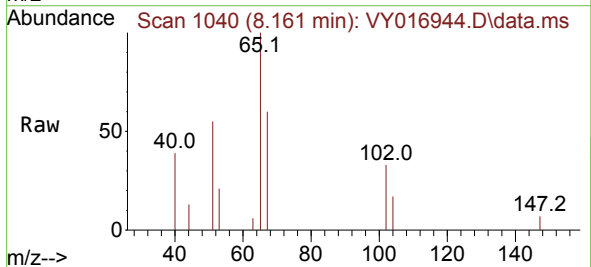
Instrument :
MSVOA_Y
ClientSampleId :

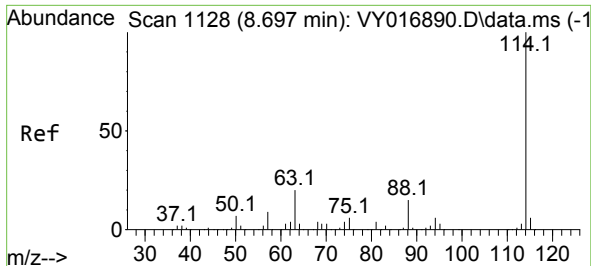
Tgt Ion: 43 Resp: 219
Ion Ratio Lower Upper
43 100
58 0.0 26.6 39.8#



#33
1,2-Dichloroethane-d4
Concen: 29.460 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY016944.D
Acq: 09 Jan 2024 13:27

Tgt Ion: 65 Resp: 2148
Ion Ratio Lower Upper
65 100
67 54.0 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1131

Delta R.T. 0.013 min

Lab File: VY016944.D

Acq: 09 Jan 2024 13:27

Instrument :

MSVOA_Y

ClientSampleId :

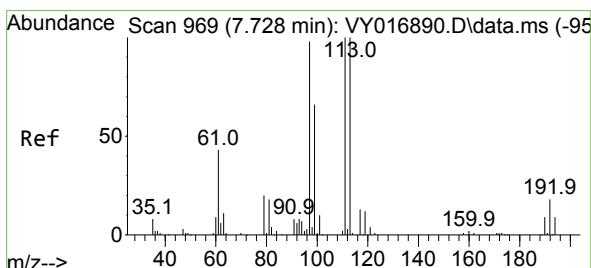
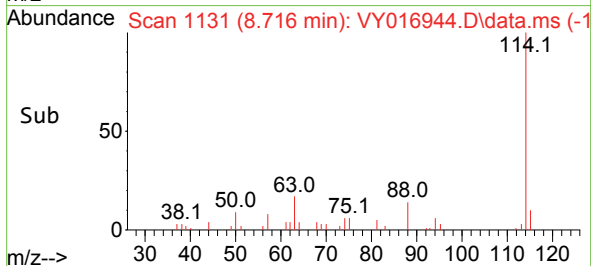
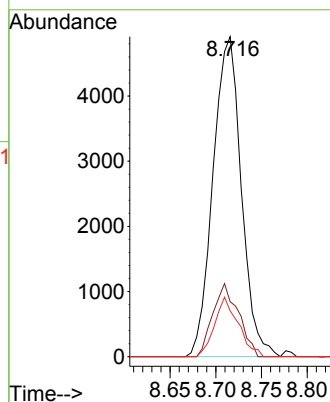
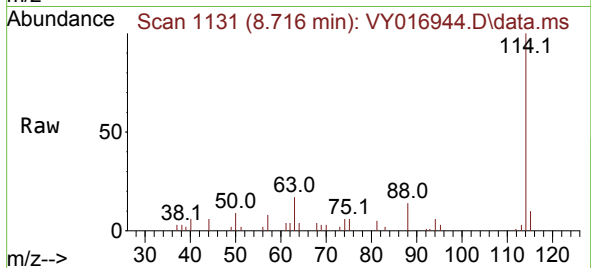
Tgt Ion:114 Resp: 10570

Ion Ratio Lower Upper

114 100

63 17.2 0.0 37.4

88 14.3 0.0 29.0



#35

Dibromofluoromethane

Concen: 36.626 ug/l

RT: 7.740 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY016944.D

Acq: 09 Jan 2024 13:27

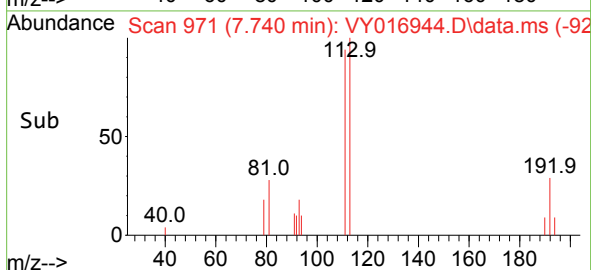
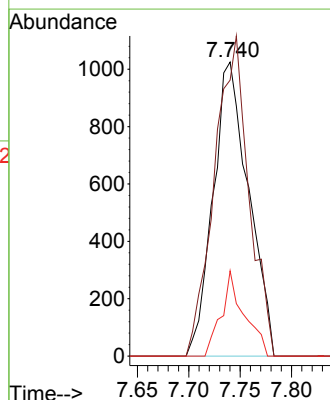
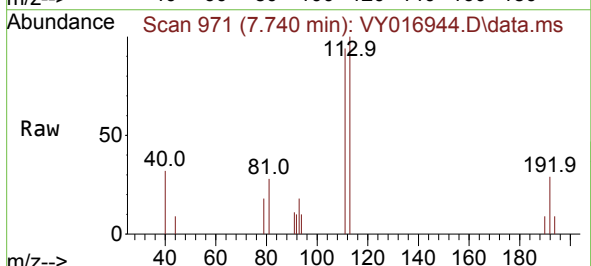
Tgt Ion:113 Resp: 2467

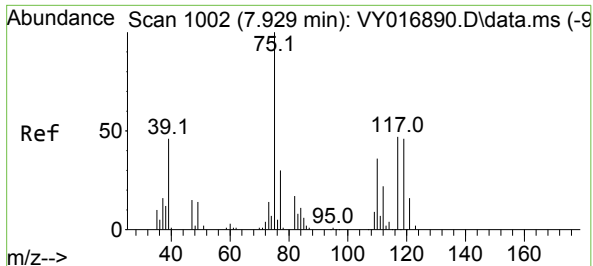
Ion Ratio Lower Upper

113 100

111 105.4 83.8 125.6

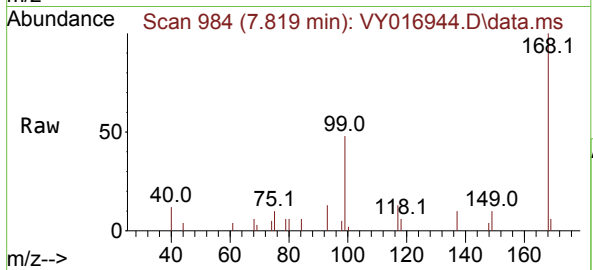
192 18.6 14.5 21.7



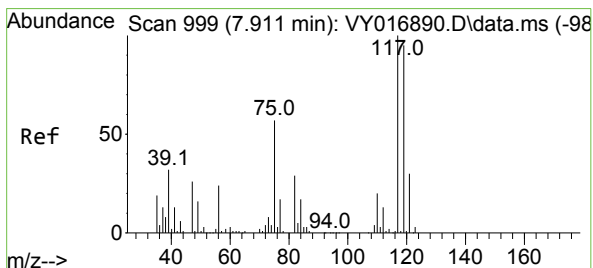
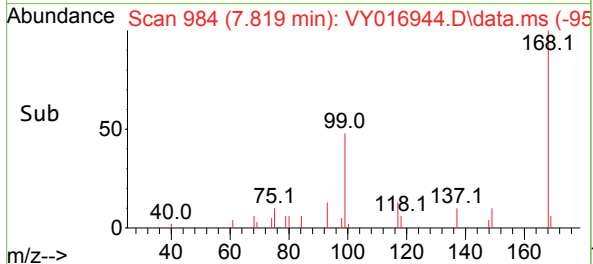
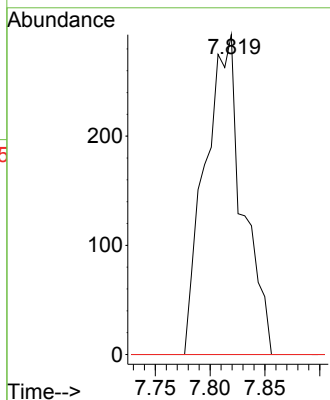


#36
 1,1-Dichloropropene
 Concen: 7.121 ug/l
 RT: 7.819 min Scan# 984
 Delta R.T. -0.110 min
 Lab File: VY016944.D
 Acq: 09 Jan 2024 13:27

Instrument :
 MSVOA_Y
 ClientSampleId :

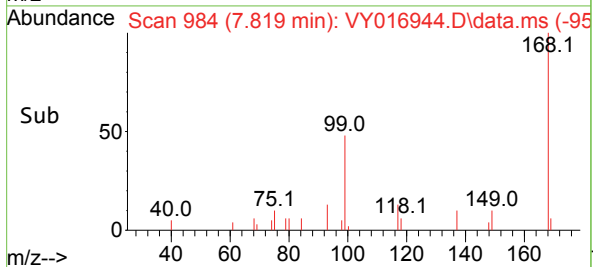
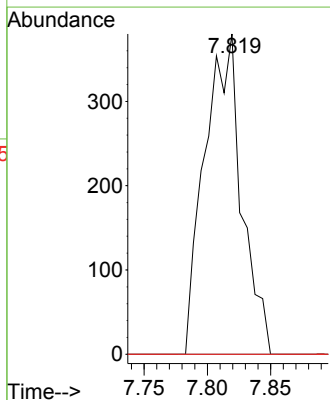
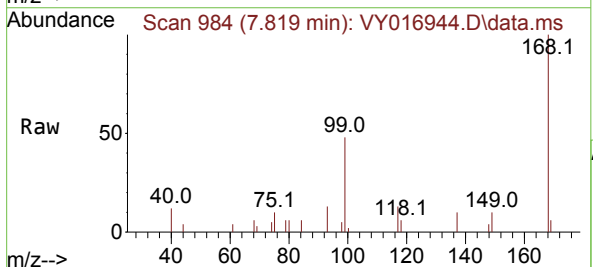


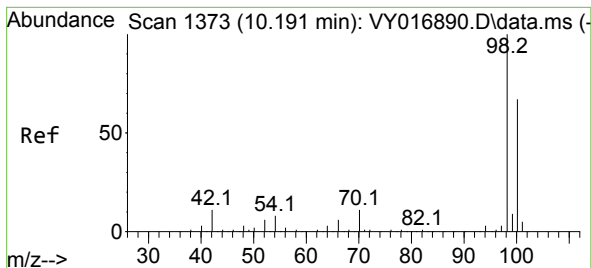
Tgt Ion: 75 Resp: 699
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.4 52.3#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 7.731 ug/l
 RT: 7.819 min Scan# 984
 Delta R.T. -0.098 min
 Lab File: VY016944.D
 Acq: 09 Jan 2024 13:27

Tgt Ion: 117 Resp: 771
 Ion Ratio Lower Upper
 117 100
 119 0.0 76.0 114.0#
 121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 39.868 ug/l

RT: 10.203 min Scan# 1375

Delta R.T. 0.012 min

Lab File: VY016944.D

Acq: 09 Jan 2024 13:27

Instrument :

MSVOA_Y

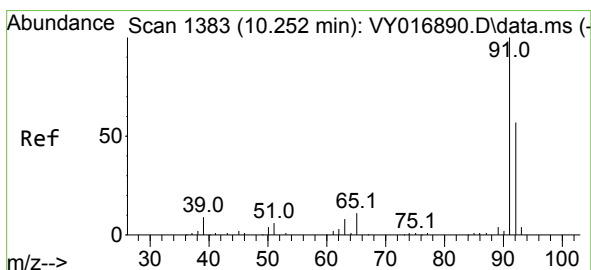
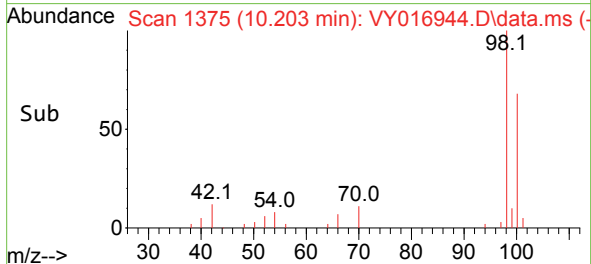
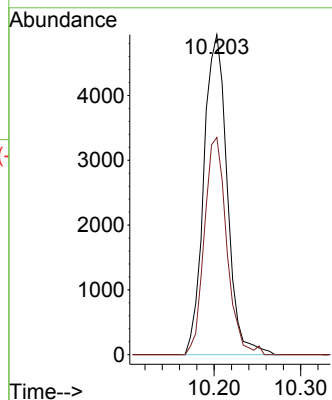
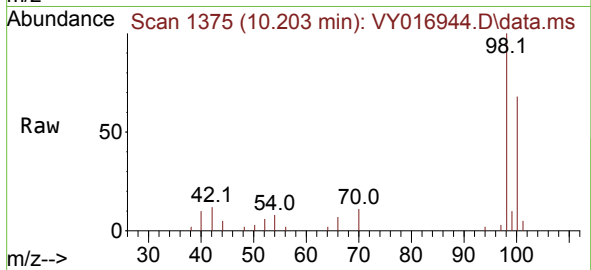
ClientSampleId :

Tgt Ion: 98 Resp: 9247

Ion Ratio Lower Upper

98 100

100 65.2 52.3 78.5



#52

Toluene

Concen: 2.138 ug/l

RT: 10.270 min Scan# 1386

Delta R.T. 0.018 min

Lab File: VY016944.D

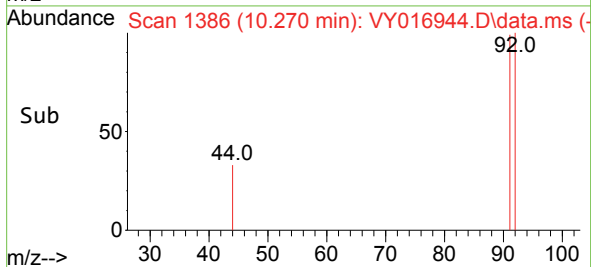
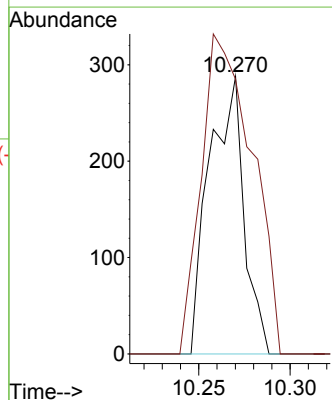
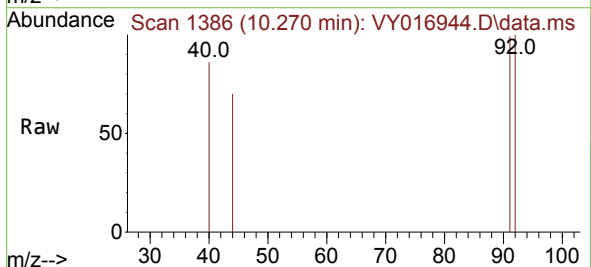
Acq: 09 Jan 2024 13:27

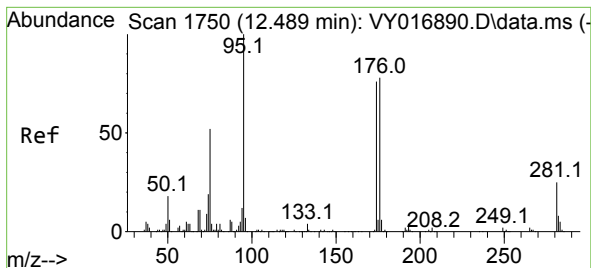
Tgt Ion: 92 Resp: 380

Ion Ratio Lower Upper

92 100

91 168.4 137.6 206.4

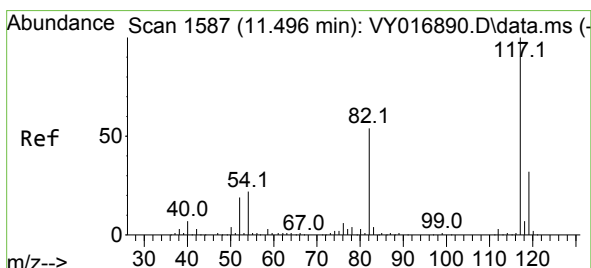
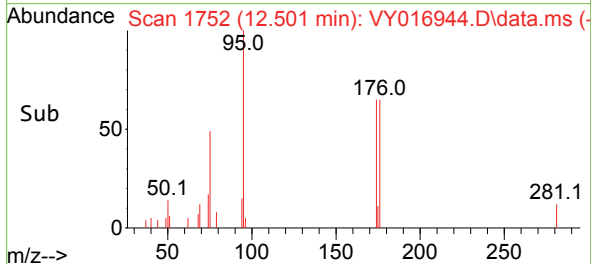
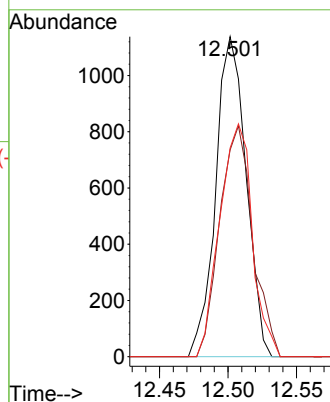
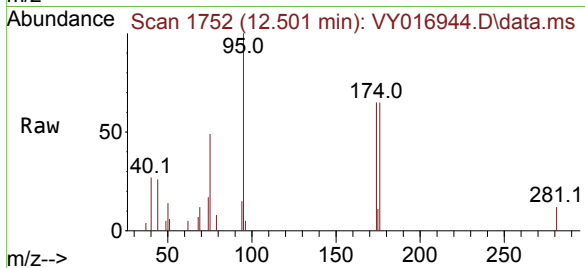




#62
4-Bromofluorobenzene
Concen: 22.478 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. 0.012 min
Lab File: VY016944.D
Acq: 09 Jan 2024 13:27

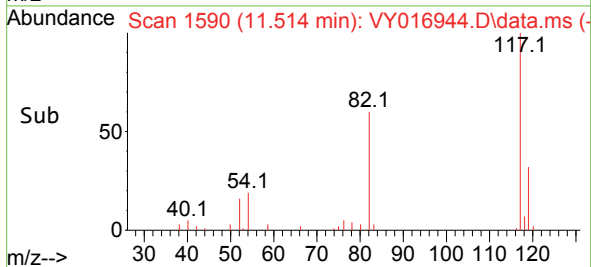
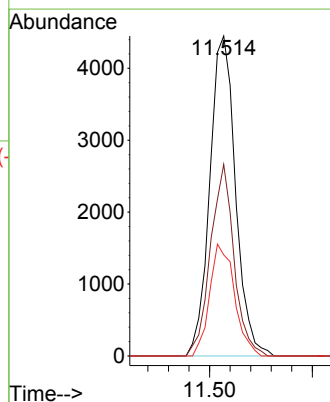
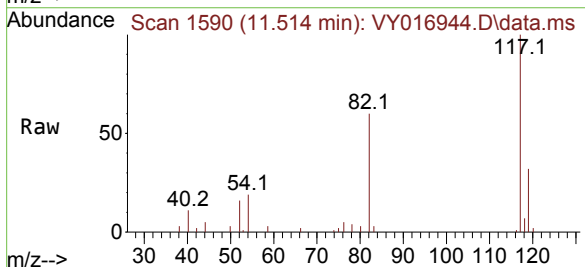
Instrument :
MSVOA_Y
ClientSampleId :

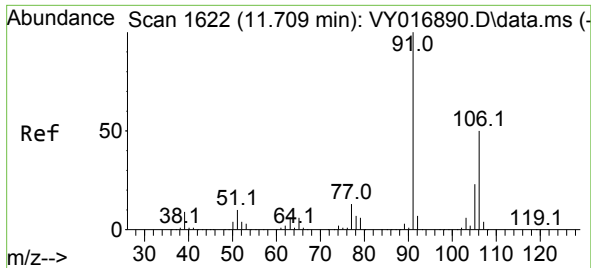
Tgt Ion: 95 Resp: 1759
Ion Ratio Lower Upper
95 100
174 78.0 0.0 160.0
176 77.8 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 1590
Delta R.T. 0.012 min
Lab File: VY016944.D
Acq: 09 Jan 2024 13:27

Tgt Ion: 117 Resp: 7724
Ion Ratio Lower Upper
117 100
82 59.9 43.8 65.8
119 31.6 26.5 39.7

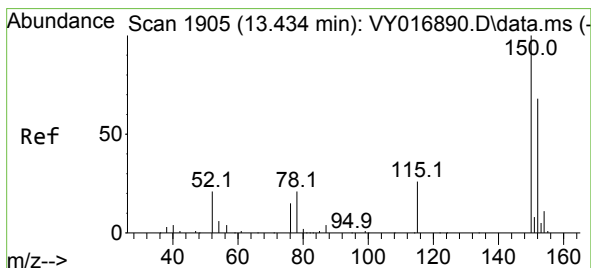
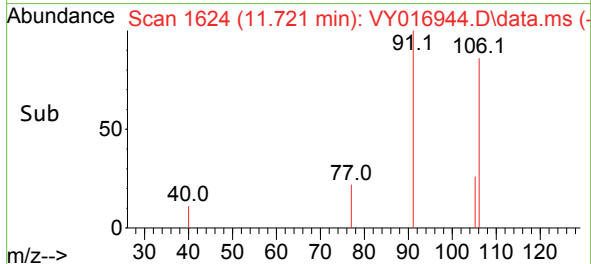
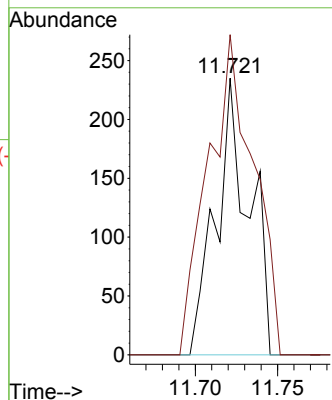
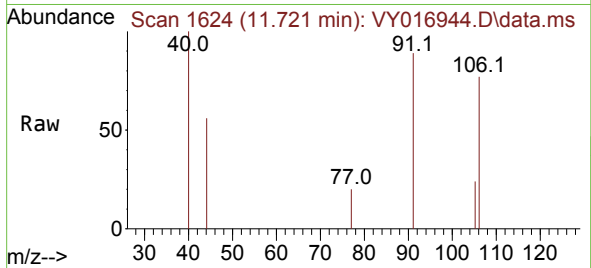




#68
m/p-Xylenes
Concen: 3.103 ug/l
RT: 11.721 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016944.D
Acq: 09 Jan 2024 13:27

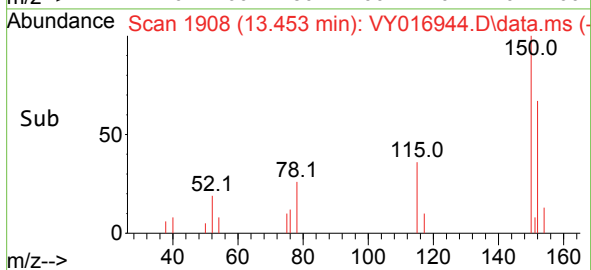
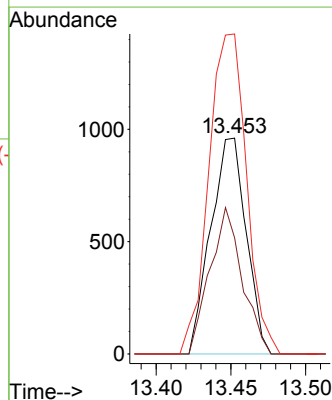
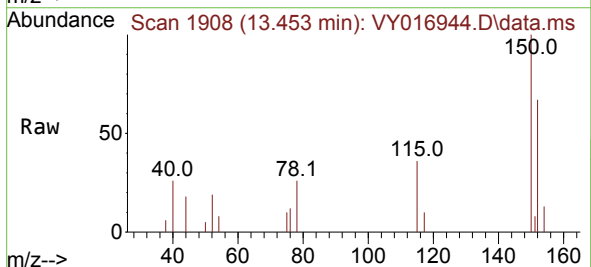
Instrument :
MSVOA_Y
ClientSampleId :

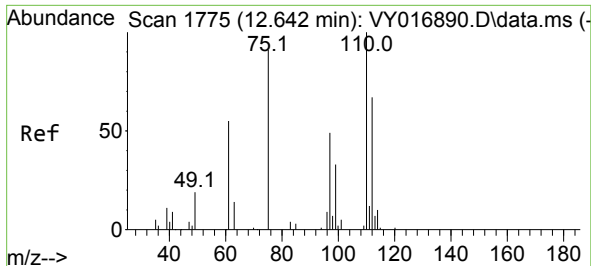
Tgt Ion:106 Resp: 330
Ion Ratio Lower Upper
106 100
91 158.2 160.7 241.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.453 min Scan# 1908
Delta R.T. 0.019 min
Lab File: VY016944.D
Acq: 09 Jan 2024 13:27

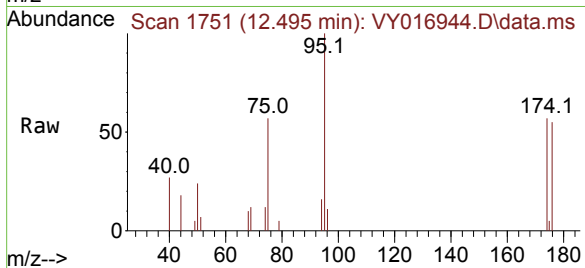
Tgt Ion:152 Resp: 1585
Ion Ratio Lower Upper
152 100
115 61.9 30.0 90.0
150 157.7 0.0 344.6



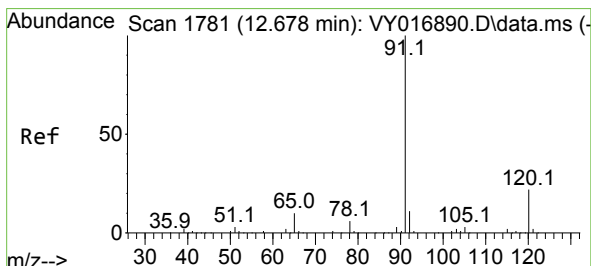
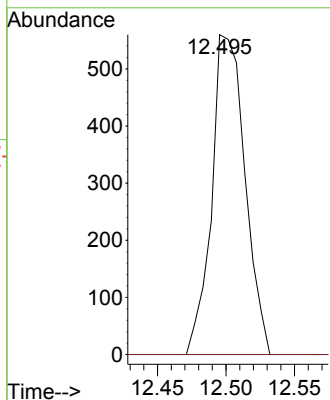
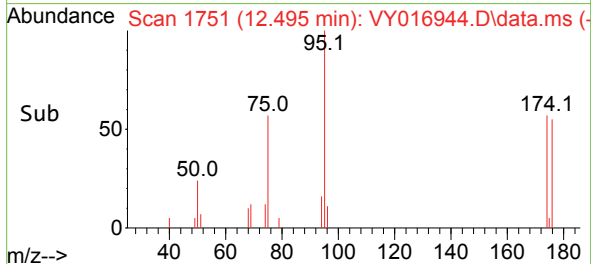


#76
1,2,3-Trichloropropane
Concen: 54.941 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. -0.147 min
Lab File: VY016944.D
Acq: 09 Jan 2024 13:27

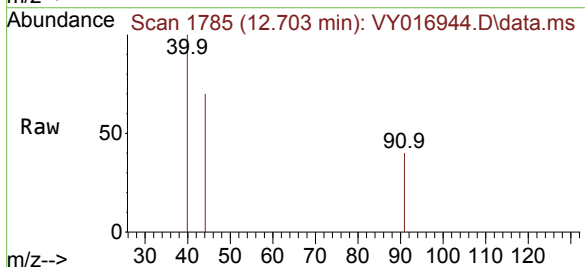
Instrument :
MSVOA_Y
ClientSampleId :



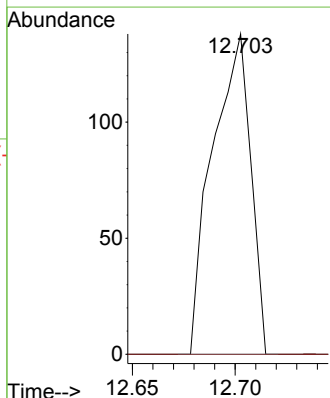
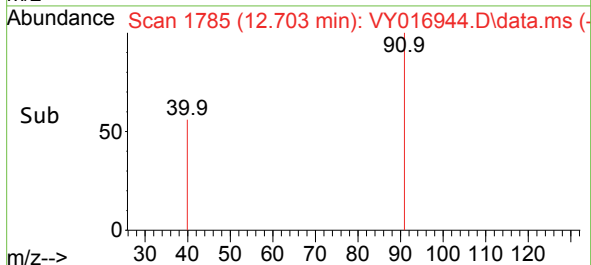
Tgt Ion: 75 Resp: 945
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

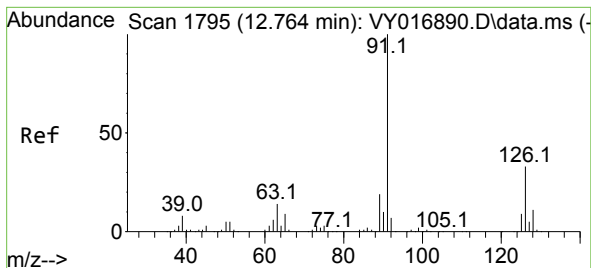


#78
n-propylbenzene
Concen: 1.131 ug/l
RT: 12.703 min Scan# 1785
Delta R.T. 0.025 min
Lab File: VY016944.D
Acq: 09 Jan 2024 13:27



Tgt Ion: 91 Resp: 178
Ion Ratio Lower Upper
91 100
120 0.0 11.0 33.0#





#79

2-Chlorotoluene

Concen: 1.467 ug/l

RT: 12.776 min Scan# 11

Delta R.T. 0.013 min

Lab File: VY016944.D

Acq: 09 Jan 2024 13:27

Instrument :

MSVOA_Y

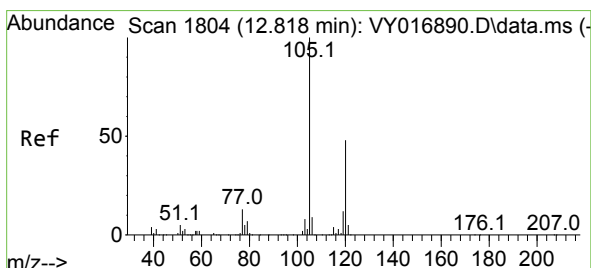
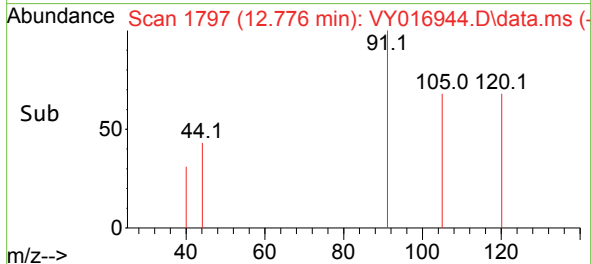
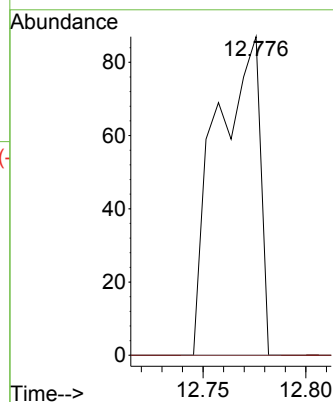
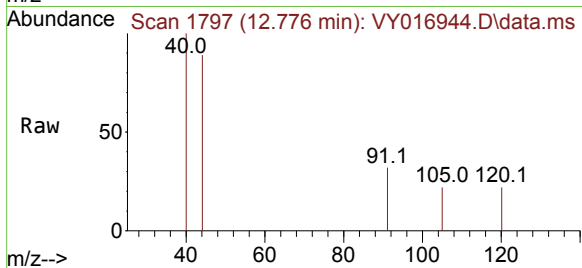
ClientSampleId :

Tgt Ion: 91 Resp: 128

Ion Ratio Lower Upper

91 100

126 0.0 17.0 51.0#



#80

1,3,5-Trimethylbenzene

Concen: 2.647 ug/l

RT: 12.831 min Scan# 1806

Delta R.T. 0.013 min

Lab File: VY016944.D

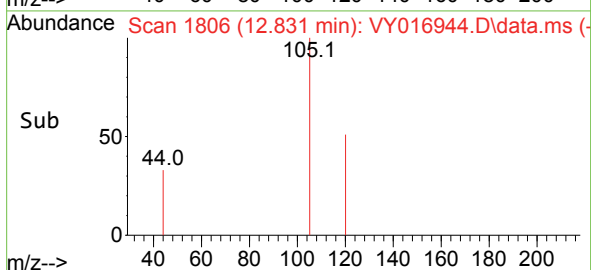
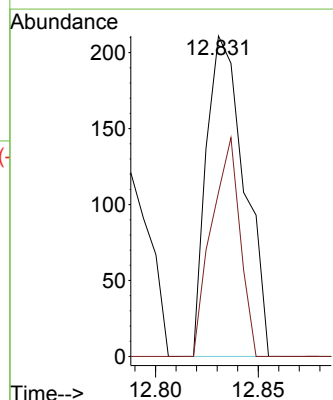
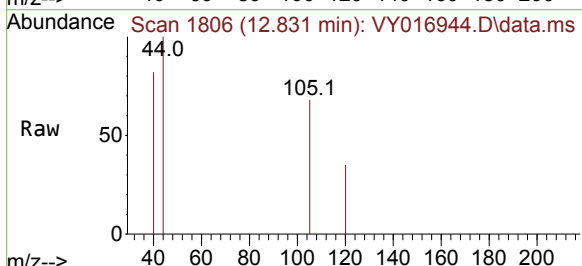
Acq: 09 Jan 2024 13:27

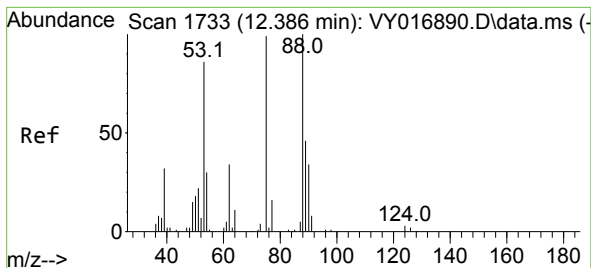
Tgt Ion: 105 Resp: 271

Ion Ratio Lower Upper

105 100

120 51.3 24.3 72.8

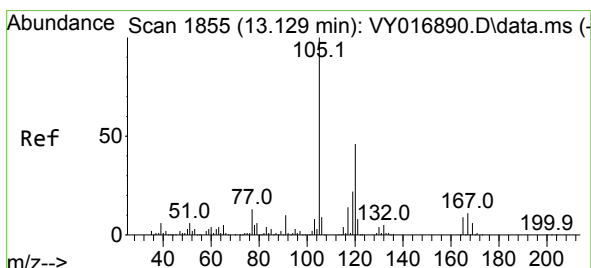
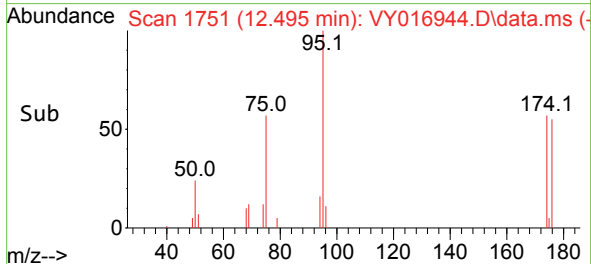
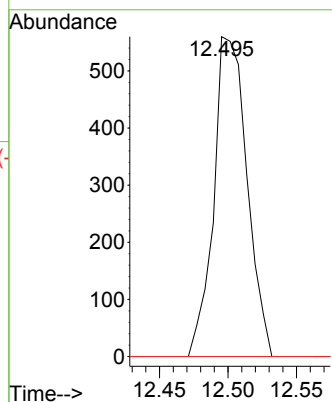
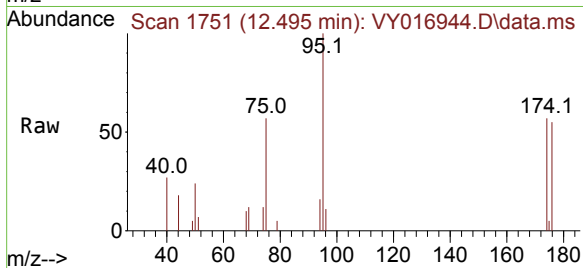




#81
trans-1,4-Dichloro-2-butene
Concen: 124.758 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.110 min
Lab File: VY016944.D
Acq: 09 Jan 2024 13:27

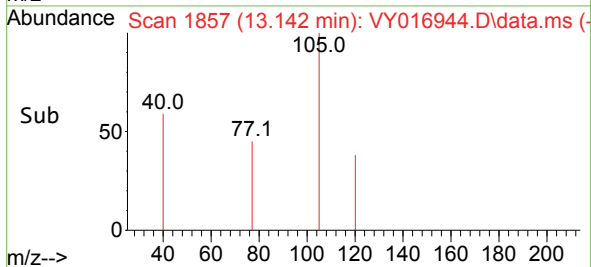
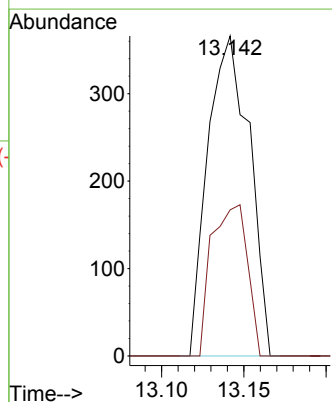
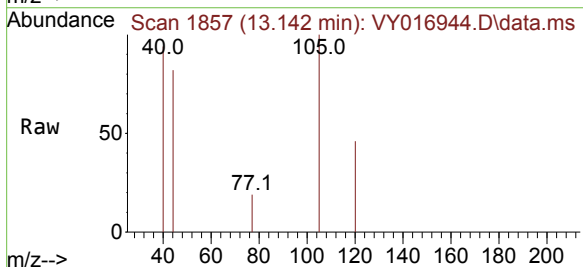
Instrument :
MSVOA_Y
ClientSampleId :

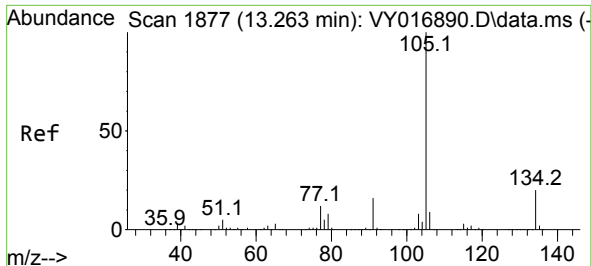
Tgt Ion: 75 Resp: 945
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#84
1,2,4-Trimethylbenzene
Concen: 6.378 ug/l
RT: 13.142 min Scan# 1857
Delta R.T. 0.013 min
Lab File: VY016944.D
Acq: 09 Jan 2024 13:27

Tgt Ion: 105 Resp: 643
Ion Ratio Lower Upper
105 100
120 40.6 22.1 66.3

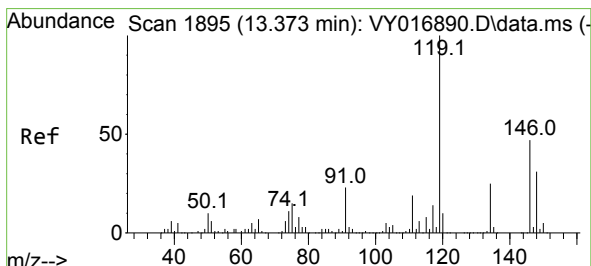
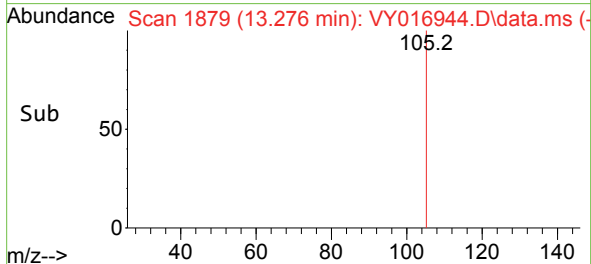
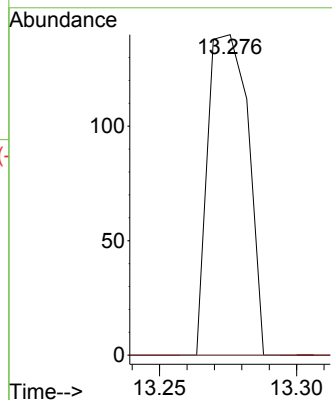
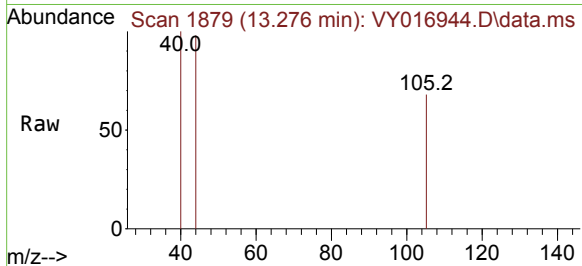




#85
 sec-Butylbenzene
 Concen: 1.070 ug/l
 RT: 13.276 min Scan# 1879
 Delta R.T. 0.013 min
 Lab File: VY016944.D
 Acq: 09 Jan 2024 13:27

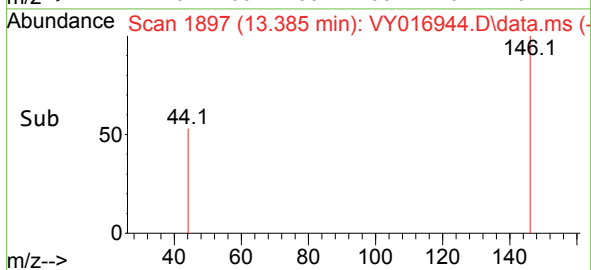
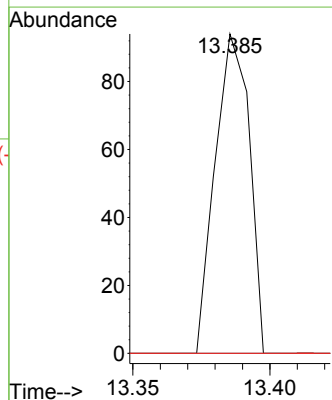
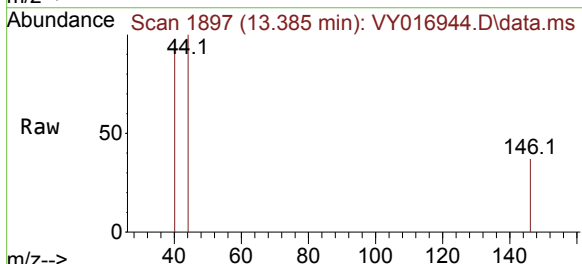
Instrument :
 MSVOA_Y
 ClientSampleId :

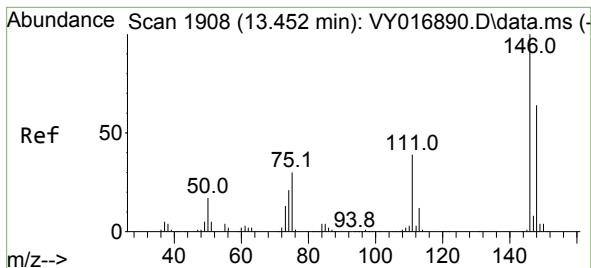
Tgt Ion:105 Resp: 143
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.7 28.9#



#87
 1,3-Dichlorobenzene
 Concen: 1.467 ug/l
 RT: 13.385 min Scan# 1897
 Delta R.T. 0.012 min
 Lab File: VY016944.D
 Acq: 09 Jan 2024 13:27

Tgt Ion:146 Resp: 82
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.2 60.5#
 148 0.0 31.9 95.9#





#88

1,4-Dichlorobenzene

Concen: 1.500 ug/l

RT: 13.385 min Scan# 1908

Delta R.T. -0.067 min

Lab File: VY016944.D

Acq: 09 Jan 2024 13:27

Instrument :

MSVOA_Y

ClientSampleId :

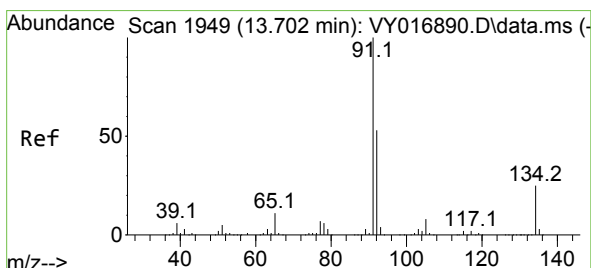
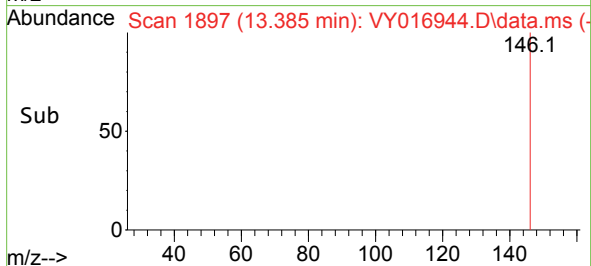
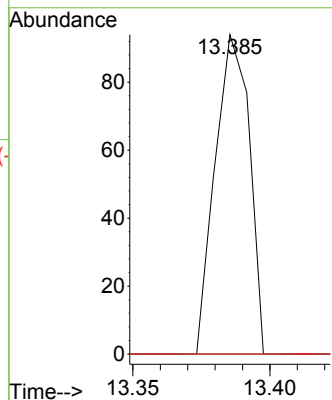
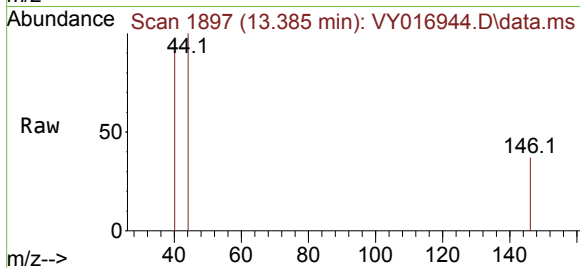
Tgt Ion:146 Resp: 82

Ion Ratio Lower Upper

146 100

111 0.0 19.3 57.9#

148 0.0 31.6 94.7#



#89

n-Butylbenzene

Concen: 1.670 ug/l

RT: 13.715 min Scan# 1951

Delta R.T. 0.013 min

Lab File: VY016944.D

Acq: 09 Jan 2024 13:27

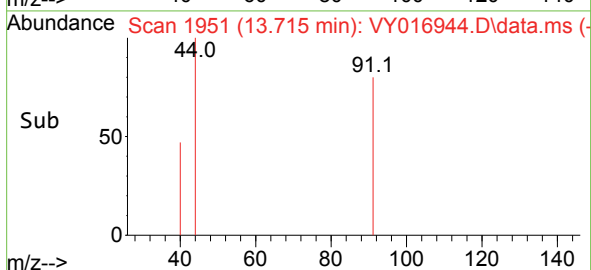
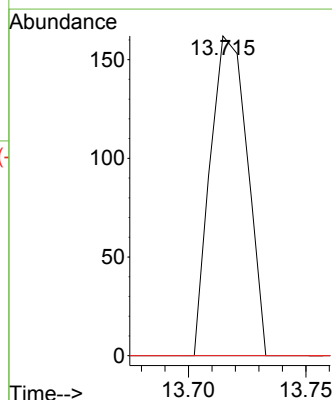
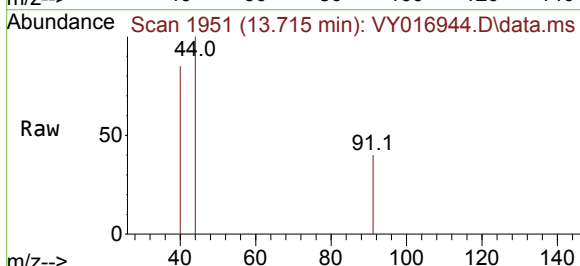
Tgt Ion: 91 Resp: 177

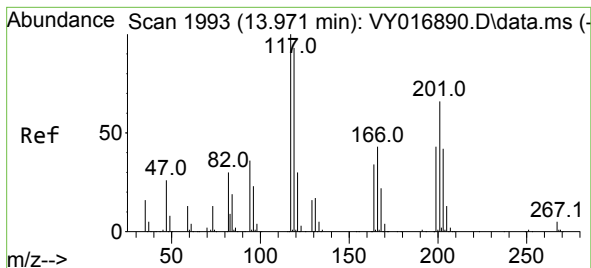
Ion Ratio Lower Upper

91 100

92 0.0 26.4 79.2#

134 0.0 12.3 36.8#





#90

Hexachloroethane

Concen: 5.023 ug/l

RT: 14.105 min Scan# 2015

Delta R.T. 0.134 min

Lab File: VY016944.D

Acq: 09 Jan 2024 13:27

Instrument :

MSVOA_Y

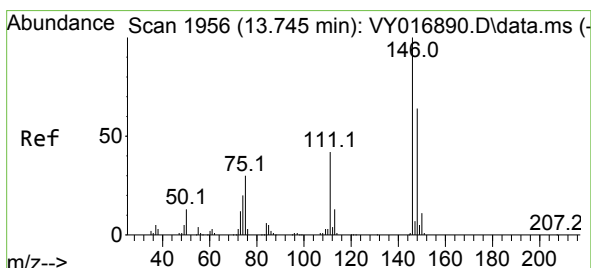
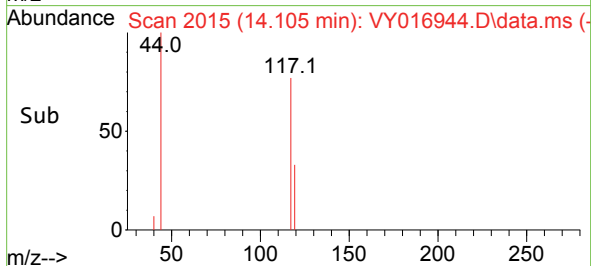
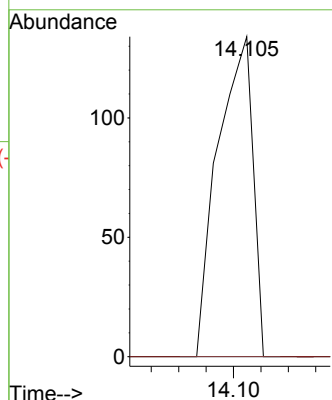
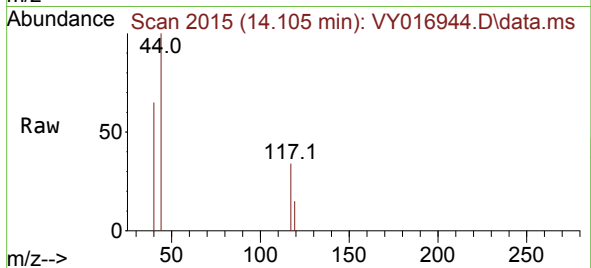
ClientSampleId :

Tgt Ion:117 Resp: 119

Ion Ratio Lower Upper

117 100

201 0.0 33.4 100.1#



#91

1,2-Dichlorobenzene

Concen: 1.118 ug/l

RT: 13.763 min Scan# 1959

Delta R.T. 0.012 min

Lab File: VY016944.D

Acq: 09 Jan 2024 13:27

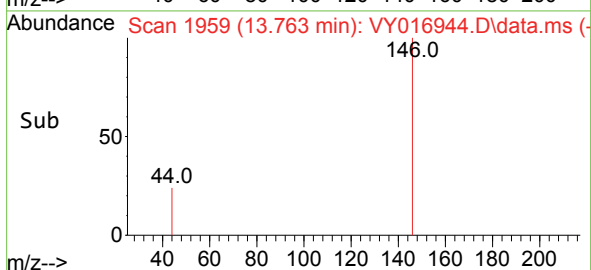
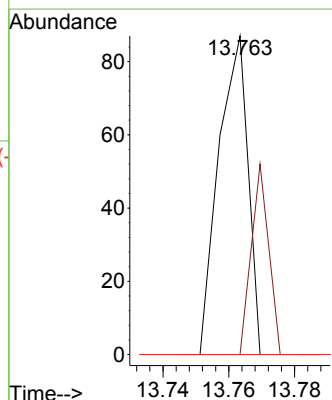
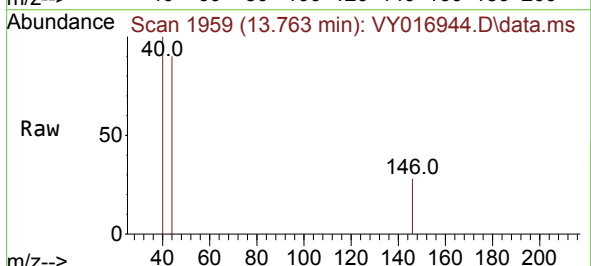
Tgt Ion:146 Resp: 54

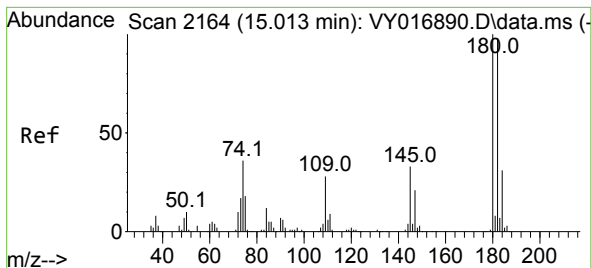
Ion Ratio Lower Upper

146 100

111 35.2 20.5 61.6

148 0.0 31.4 94.3#





#93

1,2,4-Trichlorobenzene

Concen: 2.168 ug/l

RT: 15.025 min Scan# 2164

Delta R.T. 0.006 min

Lab File: VY016944.D

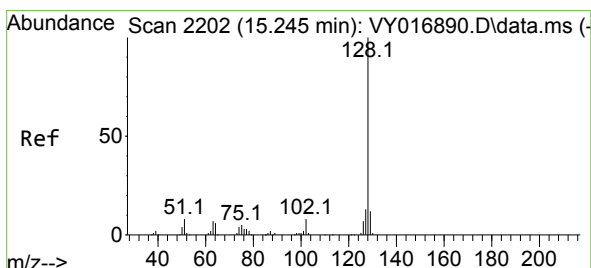
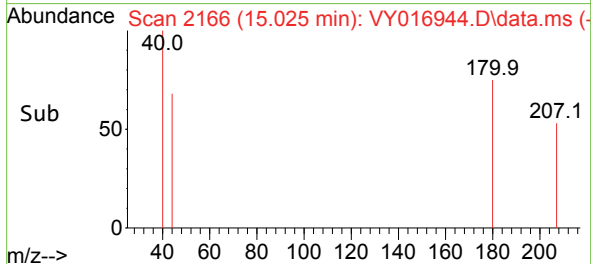
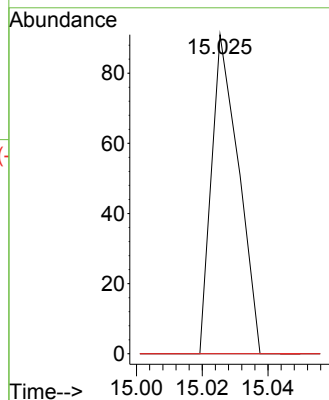
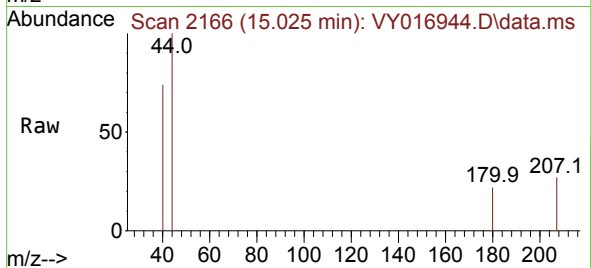
Acq: 09 Jan 2024 13:27

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:180	Resp:	52
Ion Ratio	Lower	Upper
180	100	
182	0.0	47.9 143.7#
145	0.0	15.9 47.7#



#95

Naphthalene

Concen: 44.065 ug/l

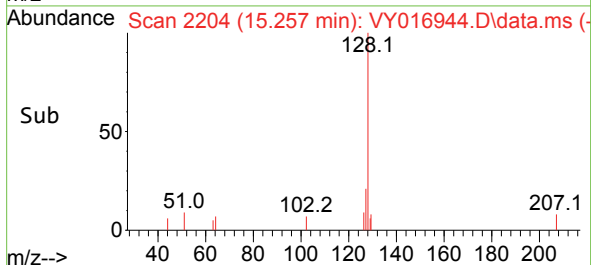
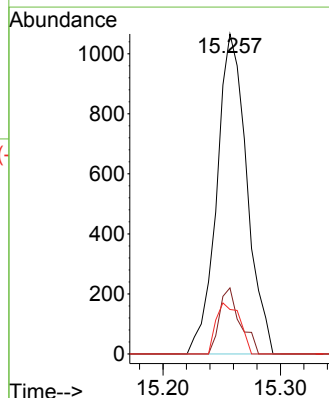
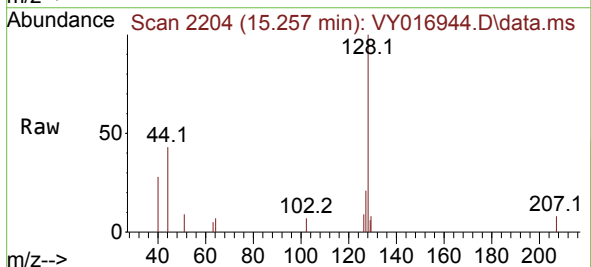
RT: 15.257 min Scan# 2204

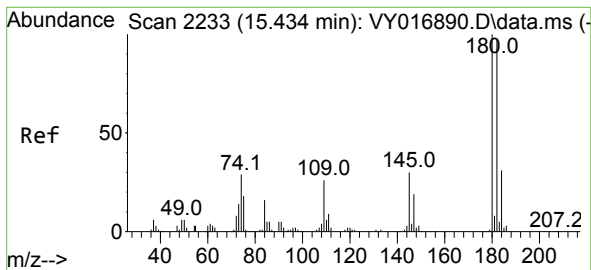
Delta R.T. 0.012 min

Lab File: VY016944.D

Acq: 09 Jan 2024 13:27

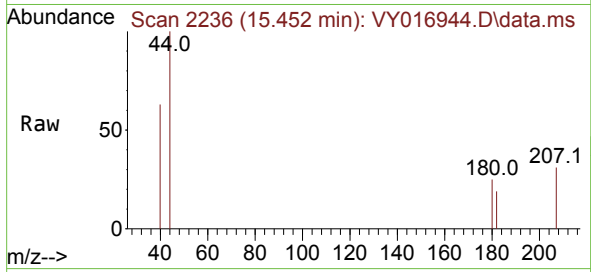
Tgt Ion:128	Resp:	1898
Ion Ratio	Lower	Upper
128	100	
127	14.1	10.2 15.4
129	12.5	8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 3.634 ug/l
 RT: 15.452 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: VY016944.D
 Acq: 09 Jan 2024 13:27

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180	Resp:	74
Ion	Ratio	Lower Upper
180	100	
182	151.4	46.3 138.8#
145	0.0	16.1 48.2#

