

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010824\
 Data File : VY016934.D
 Acq On : 08 Jan 2024 14:05
 Operator : SY/MD
 Sample : P1054-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 09 06:35:58 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)

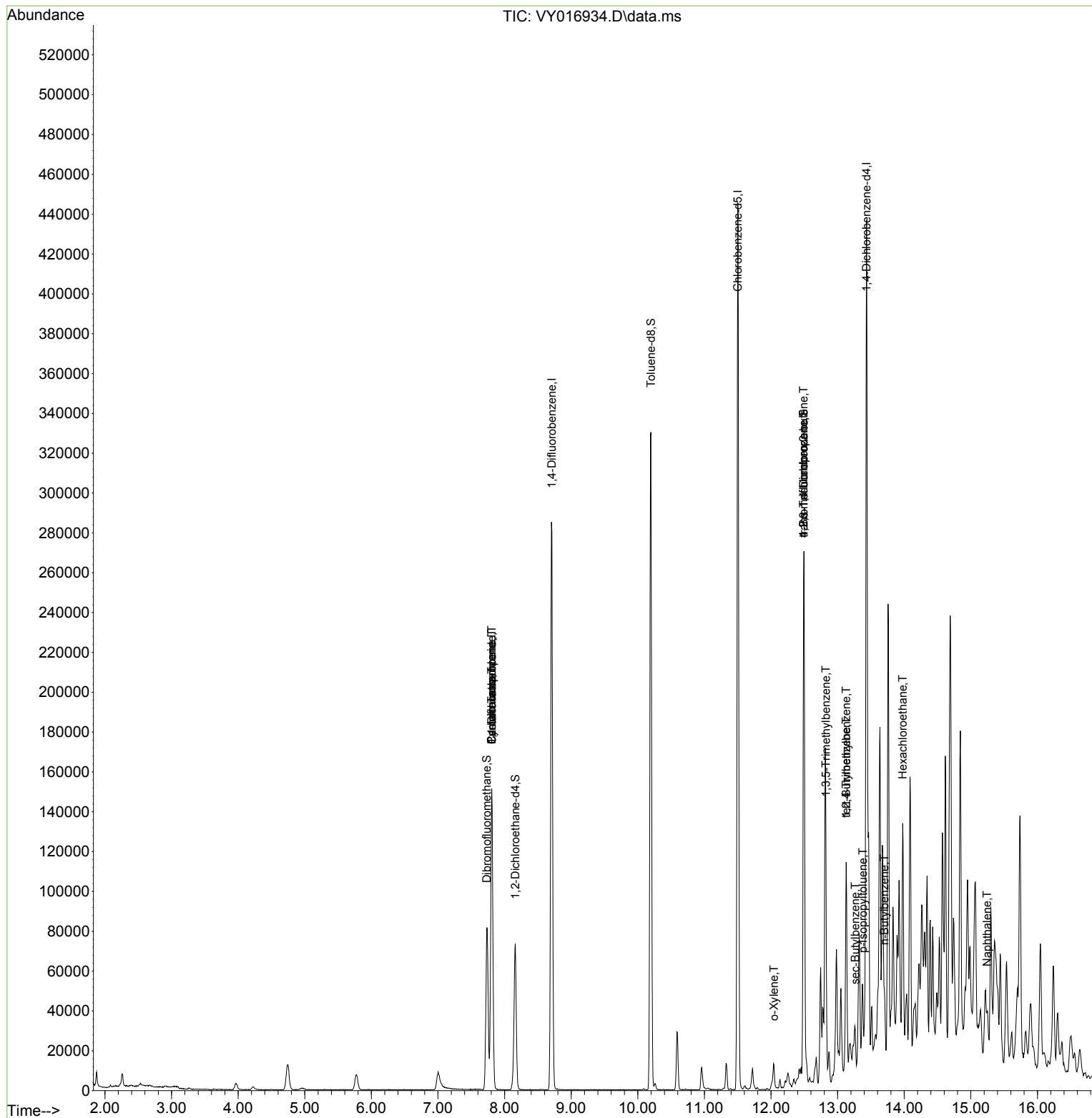
Internal Standards						
1) Pentafluorobenzene	7.807	168	114613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.710	114	245501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	239448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	99592	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	55509	49.002	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.000%
35) Dibromofluoromethane	7.734	113	59638	38.121	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	76.240%
50) Toluene-d8	10.197	98	222151	41.237	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	82.480%
62) 4-Bromofluorobenzene	12.489	95	76106	41.873	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.740%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	21	Below Cal	#	40
11) Tert butyl alcohol	4.960	59	781	Below Cal	#	75
16) Acetone	3.966	43	6249	Below Cal		99
20) Methylene Chloride	4.741	84	10145	Below Cal		94
25) 2-Butanone	7.009	43	1278	Below Cal	#	88
31) Cyclohexane	7.807	56	2519	1.296	ug/l #	1
36) 1,1-Dichloropropene	7.807	75	10401	4.562	ug/l #	48
38) Carbon Tetrachloride	7.807	117	11886	5.131	ug/l #	18
69) o-Xylene	12.044	106	3206	1.037	ug/l	100
76) 1,2,3-Trichloropropane	12.489	75	40670	37.631	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.825	105	25893	4.026	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.489	75	40670	85.451	ug/l #	12
83) tert-Butylbenzene	13.129	119	6769	1.195	ug/l #	67
84) 1,2,4-Trimethylbenzene	13.129	105	54296	8.572	ug/l	98
85) sec-Butylbenzene	13.264	105	9100	1.084	ug/l	95
86) p-Isopropyltoluene	13.379	119	8798	1.270	ug/l	97
89) n-Butylbenzene	13.703	91	11776	1.768	ug/l #	69
90) Hexachloroethane	13.977	117	4847	3.256	ug/l #	17
95) Naphthalene	15.245	128	8039	3.757	ug/l #	88

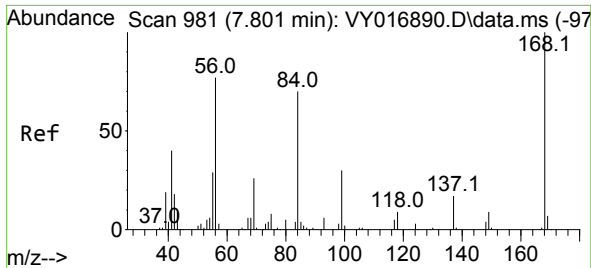
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

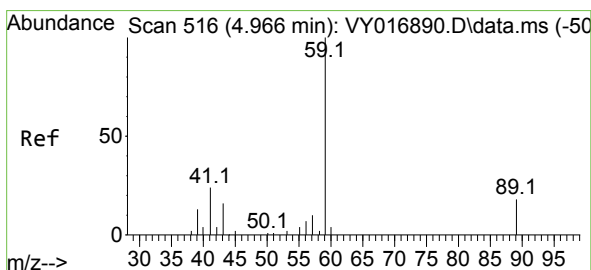
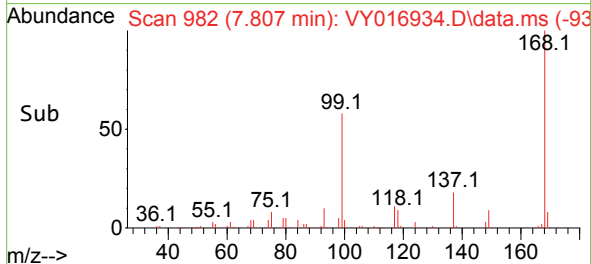
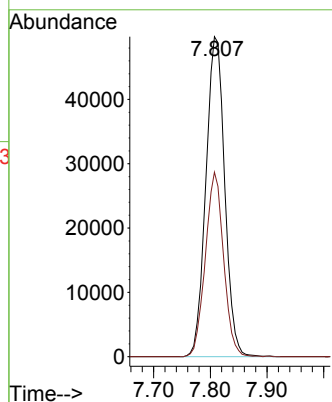
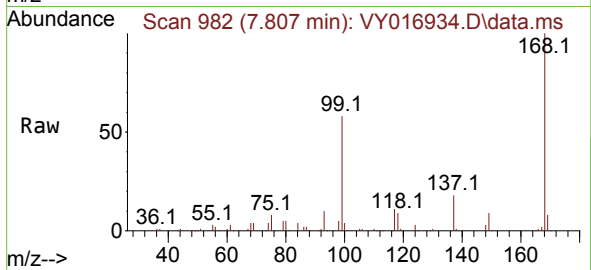




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016934.D
Acq: 08 Jan 2024 14:05

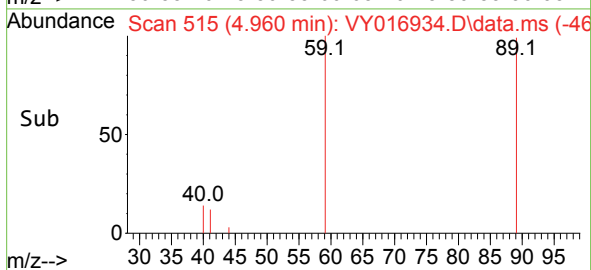
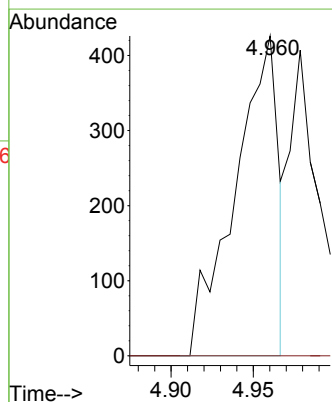
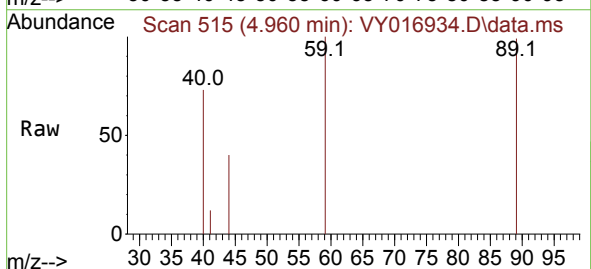
Instrument :
MSVOA_Y
ClientSampleId :

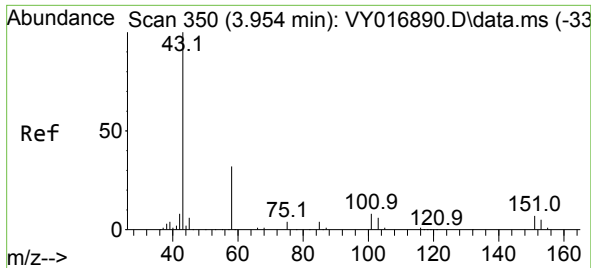
Tgt Ion:168 Resp: 114613
Ion Ratio Lower Upper
168 100
99 57.7 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY016934.D
Acq: 08 Jan 2024 14:05

Tgt Ion: 59 Resp: 781
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: Below Cal

RT: 3.966 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY016934.D

Acq: 08 Jan 2024 14:05

Instrument :

MSVOA_Y

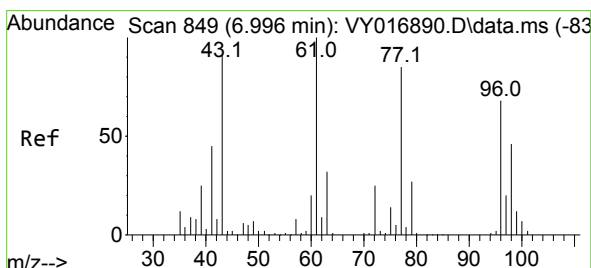
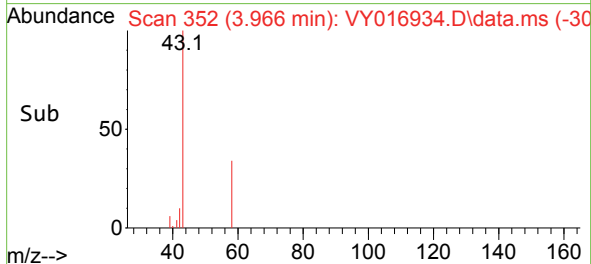
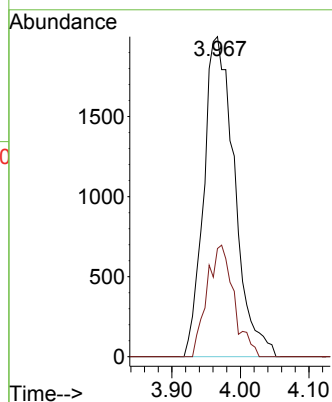
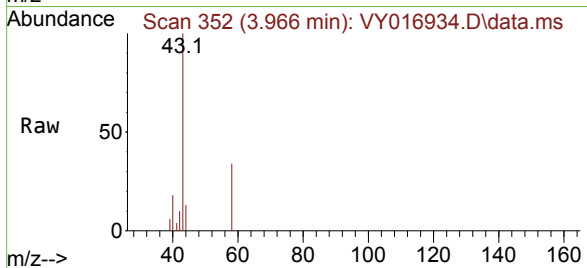
ClientSampleId :

Tgt Ion: 43 Resp: 6249

Ion Ratio Lower Upper

43 100

58 33.8 26.6 39.8



#25

2-Butanone

Concen: Below Cal

RT: 7.009 min Scan# 851

Delta R.T. 0.013 min

Lab File: VY016934.D

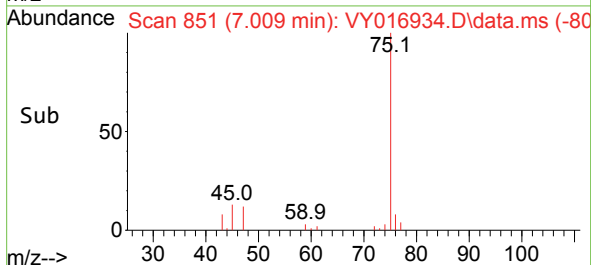
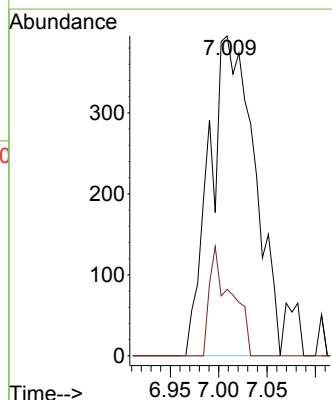
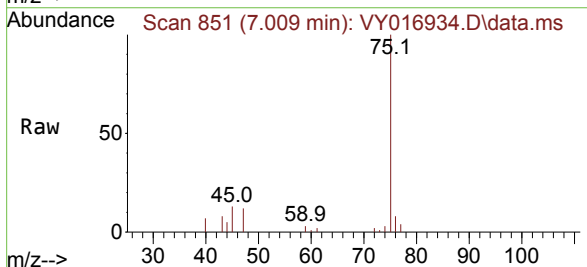
Acq: 08 Jan 2024 14:05

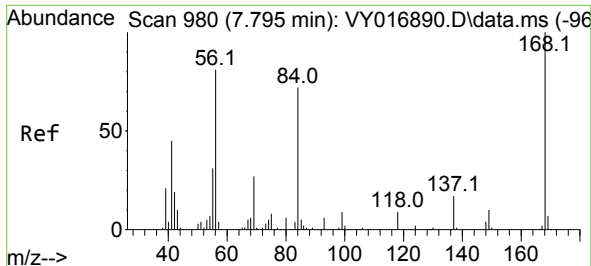
Tgt Ion: 43 Resp: 1278

Ion Ratio Lower Upper

43 100

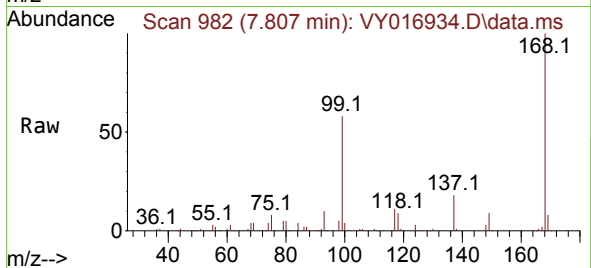
72 20.8 21.4 32.2#



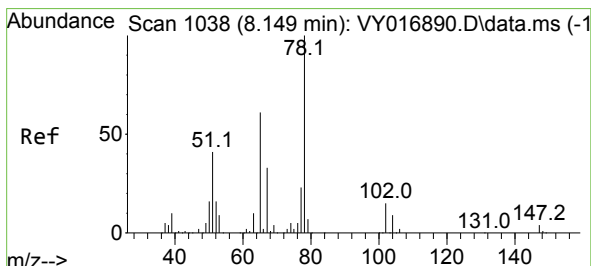
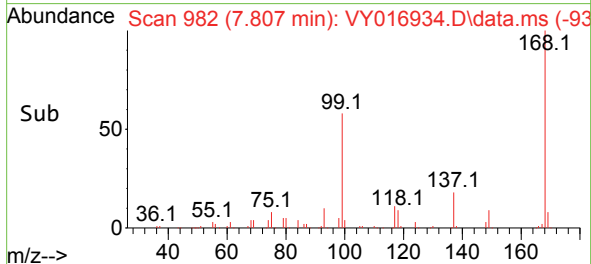
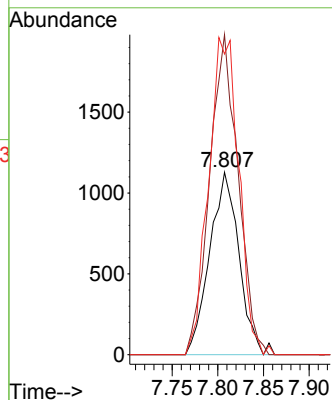


#31
Cyclohexane
Concen: 1.296 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016934.D
Acq: 08 Jan 2024 14:05

Instrument :
MSVOA_Y
ClientSampleId :

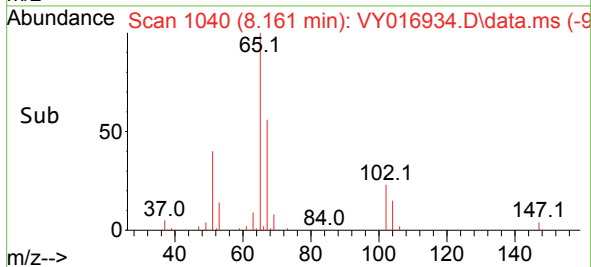
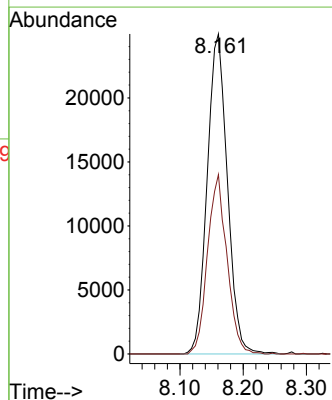
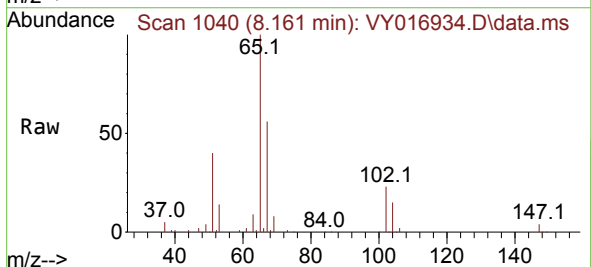


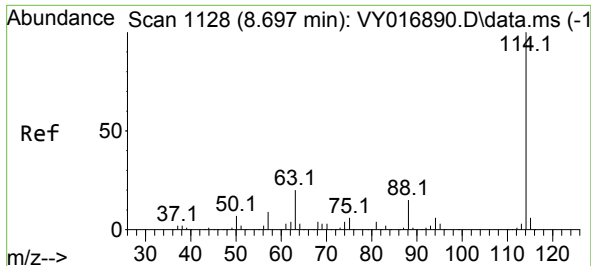
Tgt Ion: 56 Resp: 2519
Ion Ratio Lower Upper
56 100
69 175.4 27.0 40.6#
84 164.8 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 49.002 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY016934.D
Acq: 08 Jan 2024 14:05

Tgt Ion: 65 Resp: 55509
Ion Ratio Lower Upper
65 100
67 53.9 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.710 min Scan# 1128

Delta R.T. 0.007 min

Lab File: VY016934.D

Acq: 08 Jan 2024 14:05

Instrument :

MSVOA_Y

ClientSampleId :

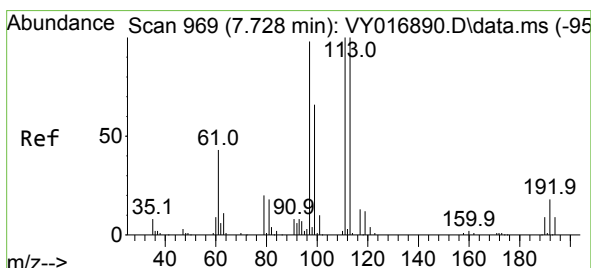
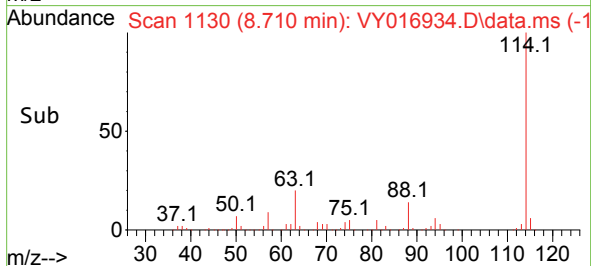
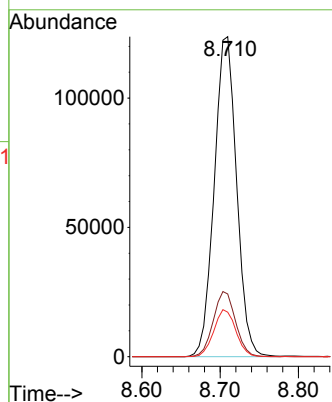
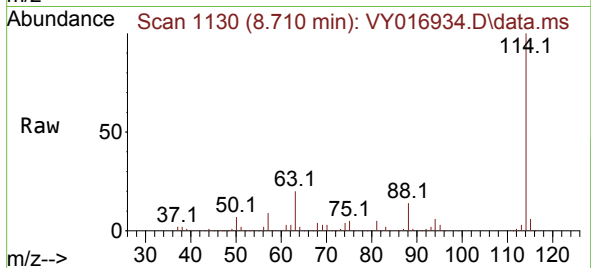
Tgt Ion:114 Resp: 245501

Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.4

88 13.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 38.121 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY016934.D

Acq: 08 Jan 2024 14:05

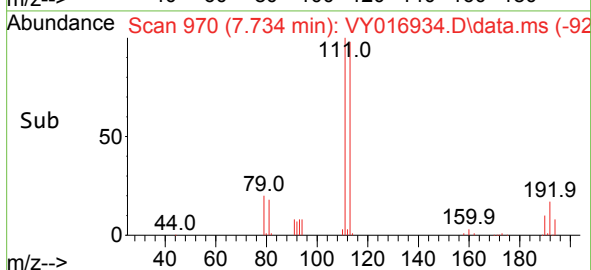
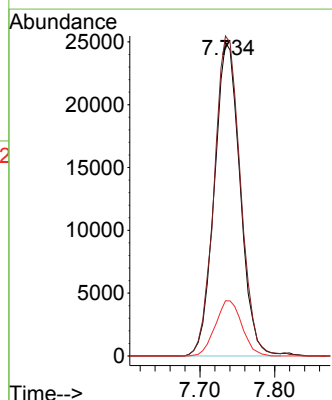
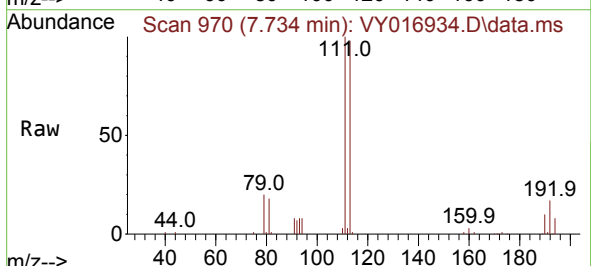
Tgt Ion:113 Resp: 59638

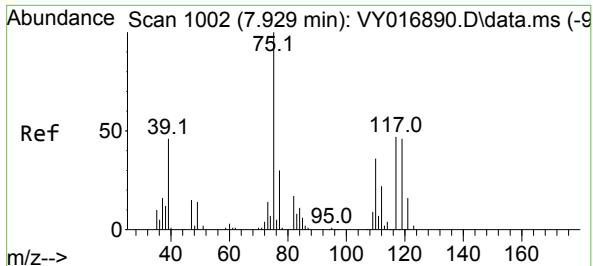
Ion Ratio Lower Upper

113 100

111 104.4 83.8 125.6

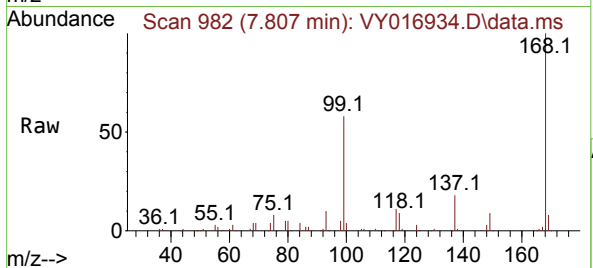
192 18.3 14.5 21.7



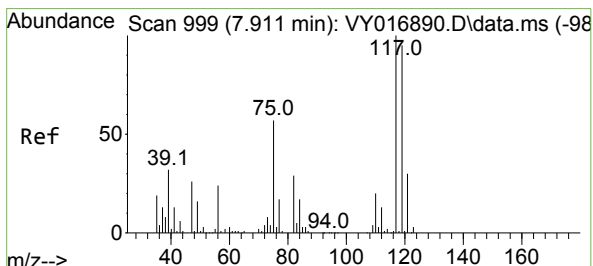
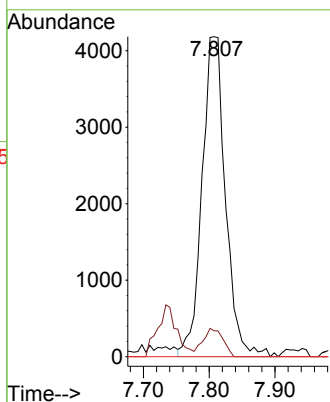
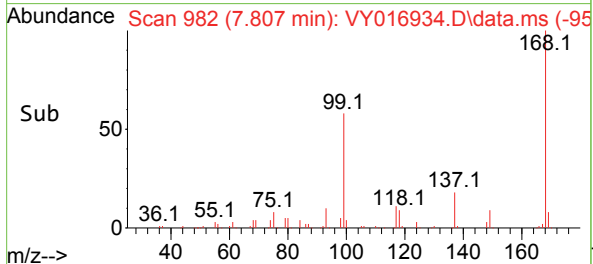


#36
1,1-Dichloropropene
Concen: 4.562 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY016934.D
Acq: 08 Jan 2024 14:05

Instrument :
MSVOA_Y
ClientSampleId :

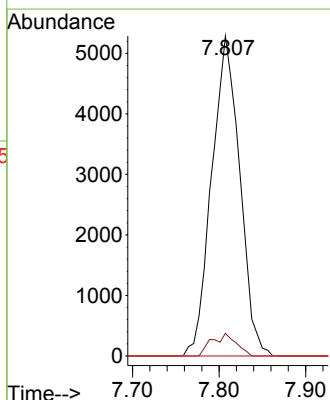
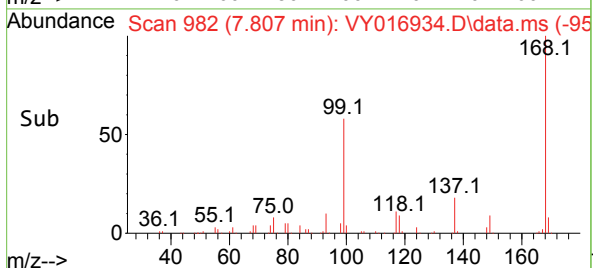
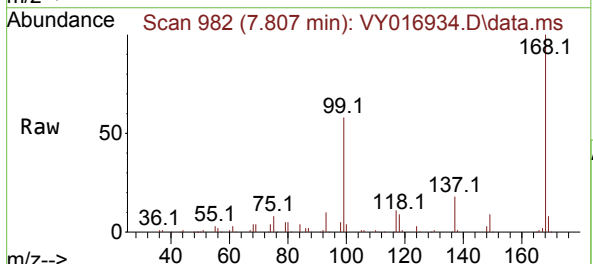


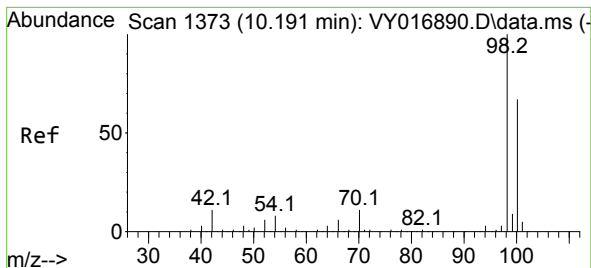
Tgt Ion: 75 Resp: 10401
Ion Ratio Lower Upper
75 100
110 7.5 17.4 52.3#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.131 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.110 min
Lab File: VY016934.D
Acq: 08 Jan 2024 14:05

Tgt Ion: 117 Resp: 11886
Ion Ratio Lower Upper
117 100
119 7.1 76.0 114.0#
121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 41.237 ug/l

RT: 10.197 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016934.D

Acq: 08 Jan 2024 14:05

Instrument :

MSVOA_Y

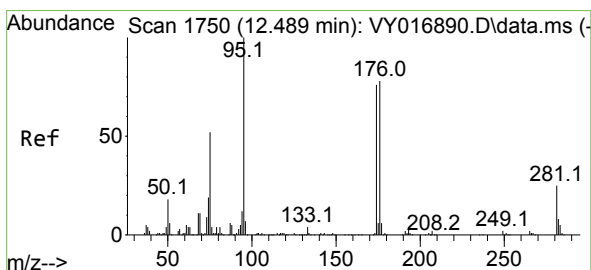
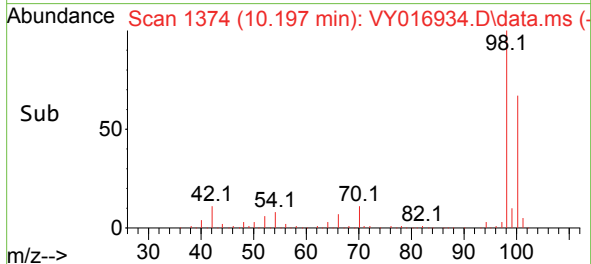
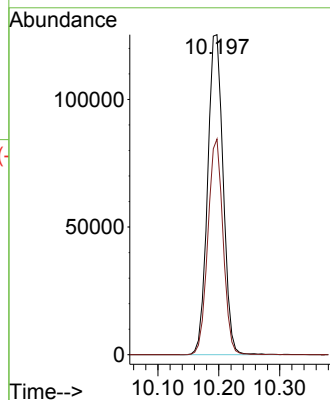
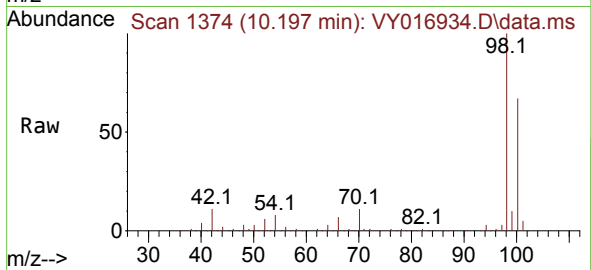
ClientSampleId :

Tgt Ion: 98 Resp: 222151

Ion Ratio Lower Upper

98 100

100 65.7 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 41.873 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VY016934.D

Acq: 08 Jan 2024 14:05

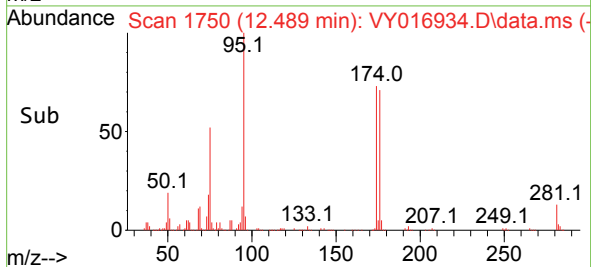
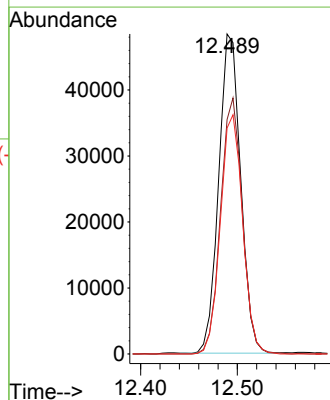
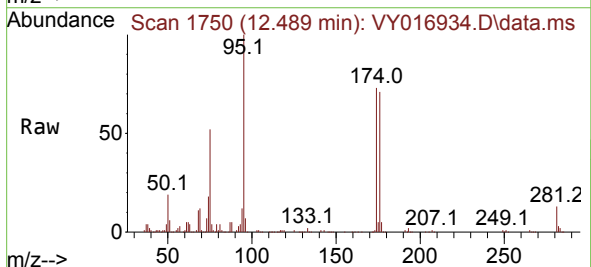
Tgt Ion: 95 Resp: 76106

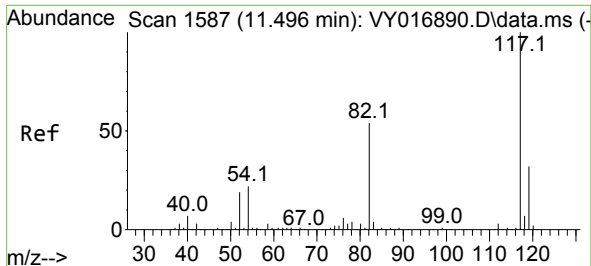
Ion Ratio Lower Upper

95 100

174 79.5 0.0 160.0

176 76.0 0.0 151.8

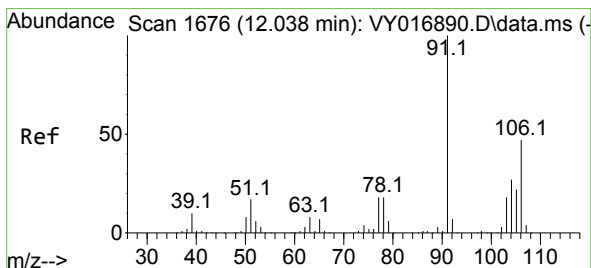
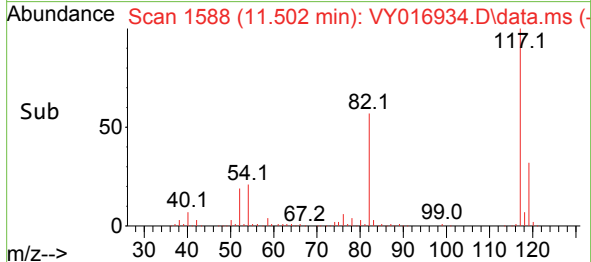
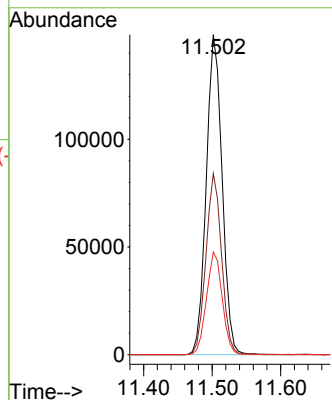
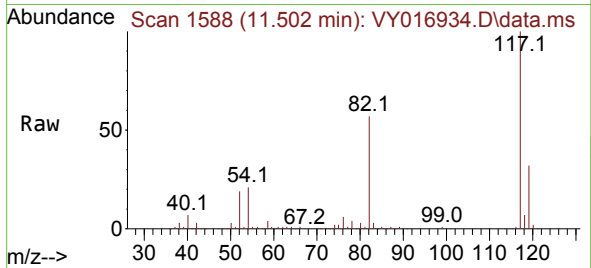




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016934.D
Acq: 08 Jan 2024 14:05

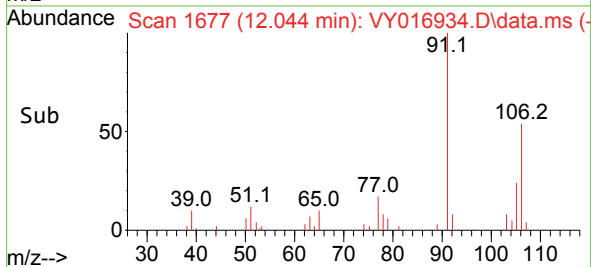
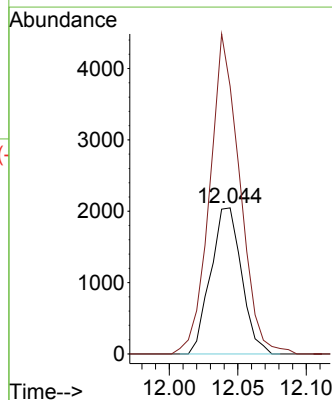
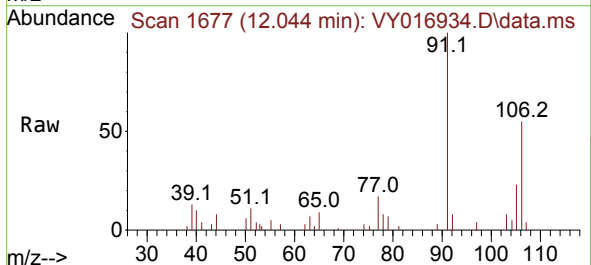
Instrument :
MSVOA_Y
ClientSampleId :

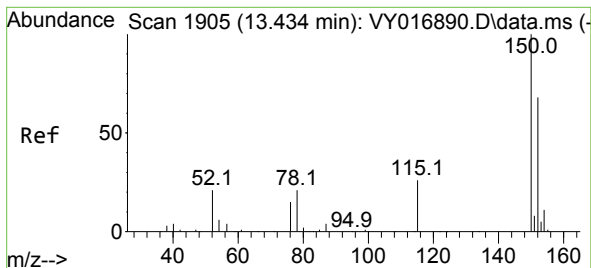
Tgt Ion:117 Resp: 239448
Ion Ratio Lower Upper
117 100
82 56.6 43.8 65.8
119 32.1 26.5 39.7



#69
o-Xylene
Concen: 1.037 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.006 min
Lab File: VY016934.D
Acq: 08 Jan 2024 14:05

Tgt Ion:106 Resp: 3206
Ion Ratio Lower Upper
106 100
91 213.0 106.5 319.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY016934.D

Acq: 08 Jan 2024 14:05

Instrument :

MSVOA_Y

ClientSampleId :

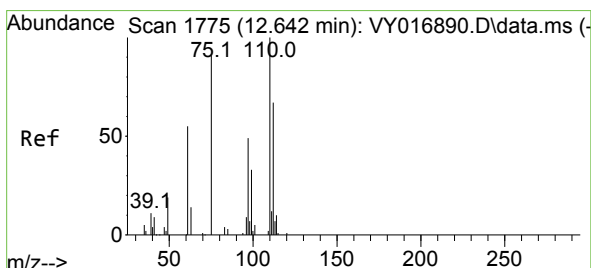
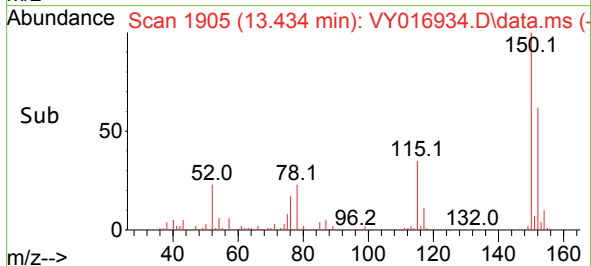
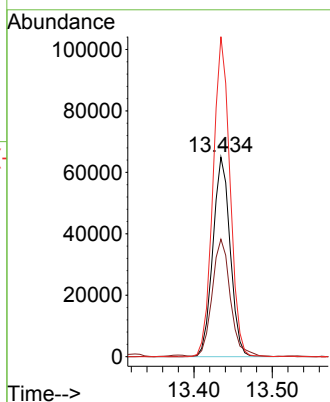
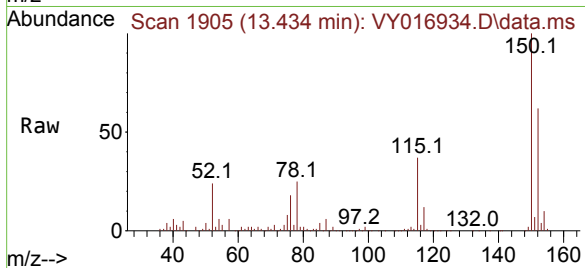
Tgt Ion:152 Resp: 99592

Ion Ratio Lower Upper

152 100

115 61.5 30.0 90.0

150 157.1 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 37.631 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.153 min

Lab File: VY016934.D

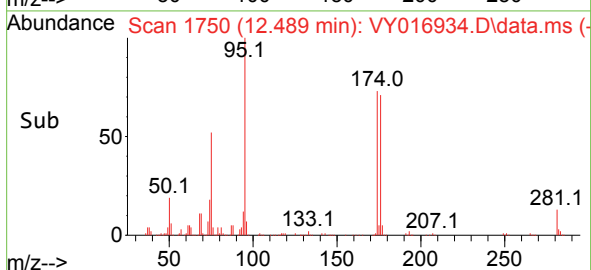
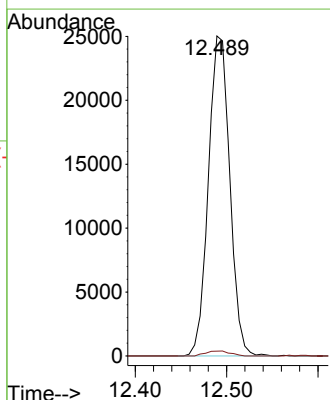
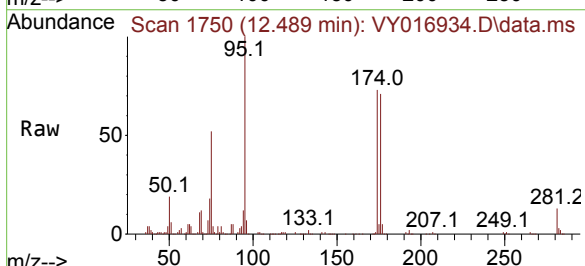
Acq: 08 Jan 2024 14:05

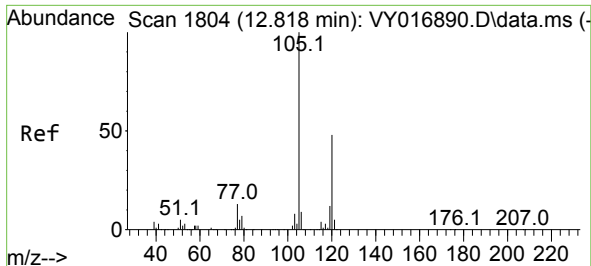
Tgt Ion: 75 Resp: 40670

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#

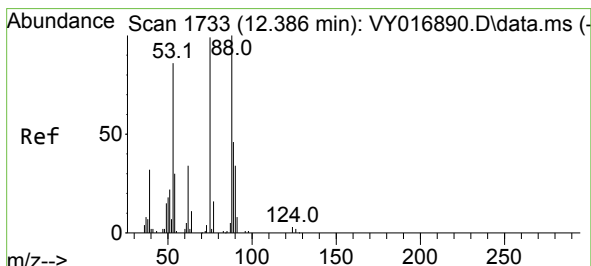
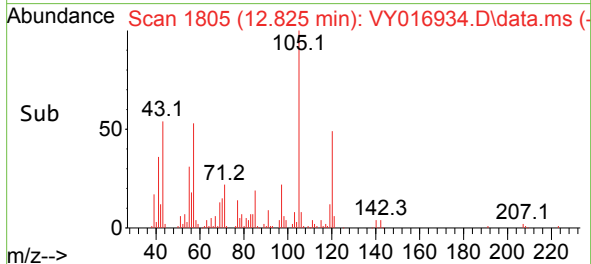
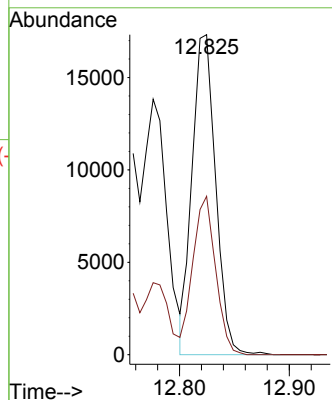
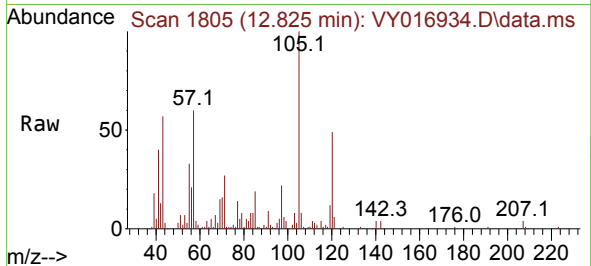




#80
1,3,5-Trimethylbenzene
Concen: 4.026 ug/l
RT: 12.825 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY016934.D
Acq: 08 Jan 2024 14:05

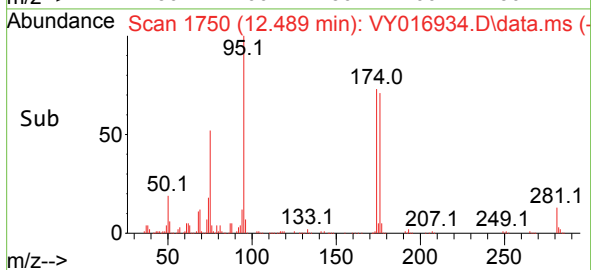
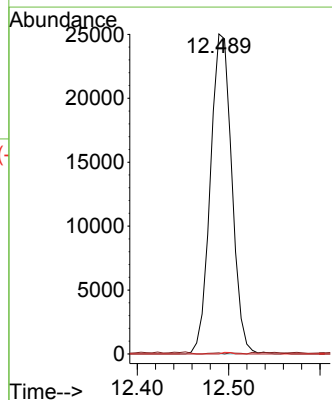
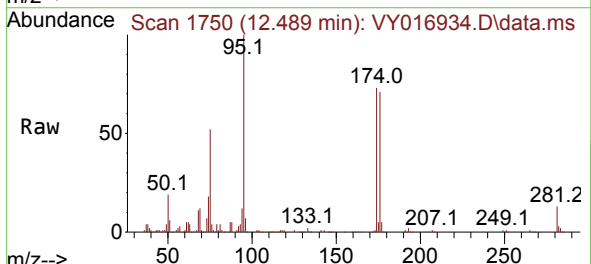
Instrument :
MSVOA_Y
ClientSampleId :

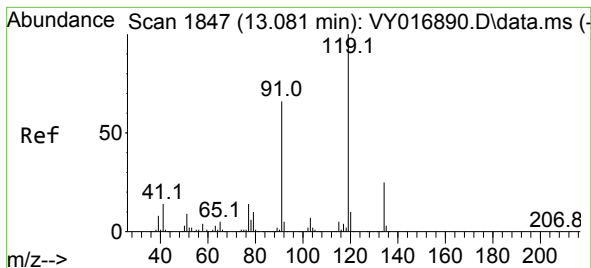
Tgt Ion:105 Resp: 25893
Ion Ratio Lower Upper
105 100
120 47.8 24.3 72.8



#81
trans-1,4-Dichloro-2-butene
Concen: 85.451 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY016934.D
Acq: 08 Jan 2024 14:05

Tgt Ion: 75 Resp: 40670
Ion Ratio Lower Upper
75 100
53 0.2 74.0 111.0#
89 0.0 36.5 54.7#





#83

tert-Butylbenzene

Concen: 1.195 ug/l

RT: 13.129 min Scan# 1855

Delta R.T. 0.042 min

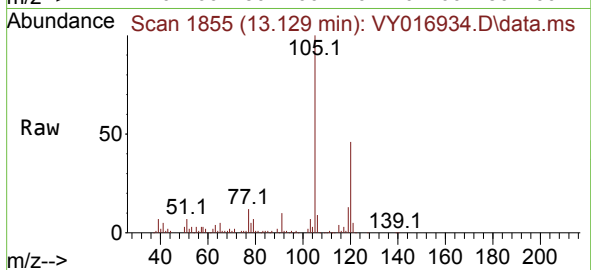
Lab File: VY016934.D

Acq: 08 Jan 2024 14:05

Instrument :

MSVOA_Y

ClientSampleId :



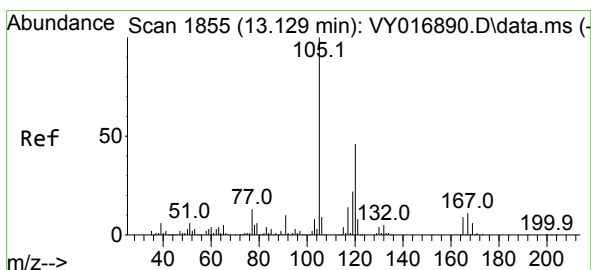
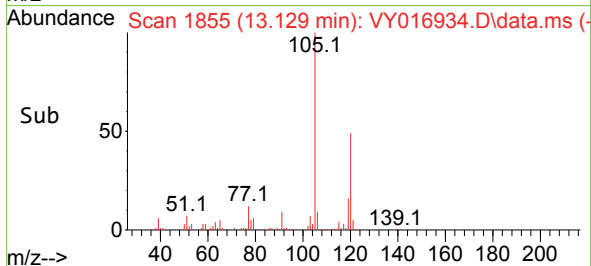
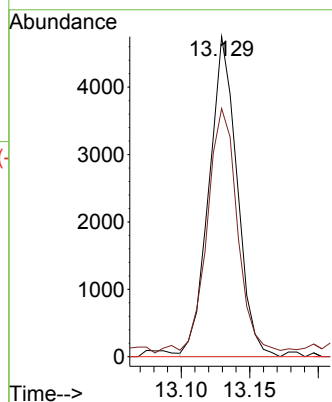
Tgt Ion:119 Resp: 6769

Ion Ratio Lower Upper

119 100

91 82.3 31.5 94.5

134 0.0 13.1 39.3#



#84

1,2,4-Trimethylbenzene

Concen: 8.572 ug/l

RT: 13.129 min Scan# 1855

Delta R.T. 0.000 min

Lab File: VY016934.D

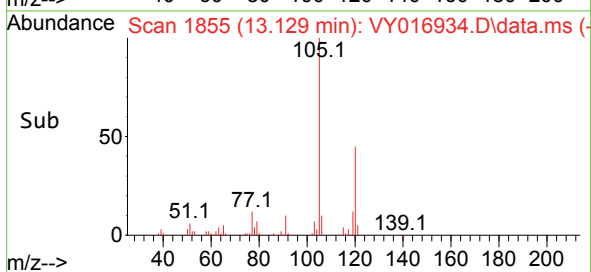
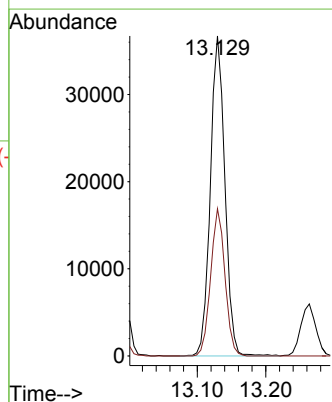
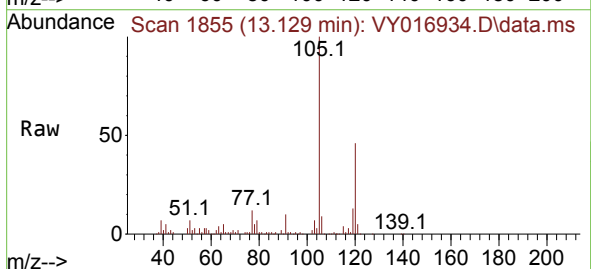
Acq: 08 Jan 2024 14:05

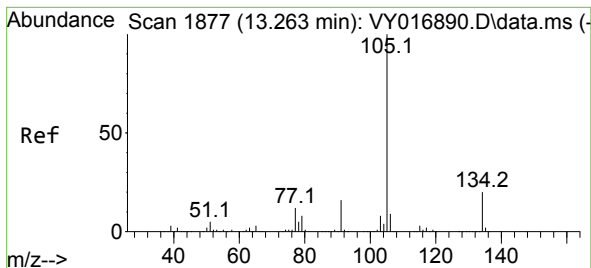
Tgt Ion:105 Resp: 54296

Ion Ratio Lower Upper

105 100

120 45.2 22.1 66.3





#85

sec-Butylbenzene

Concen: 1.084 ug/l

RT: 13.264 min Scan# 1877

Delta R.T. 0.001 min

Lab File: VY016934.D

Acq: 08 Jan 2024 14:05

Instrument :

MSVOA_Y

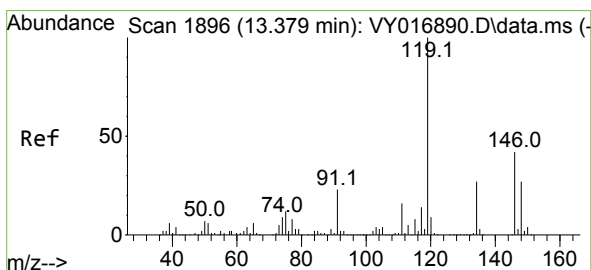
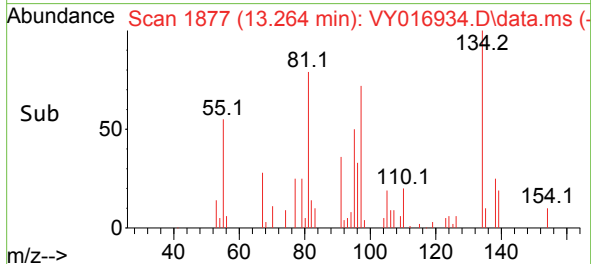
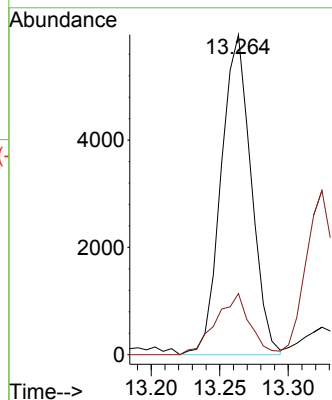
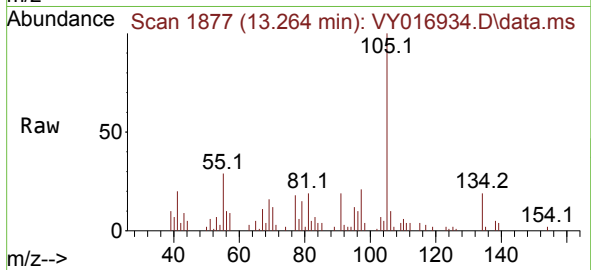
ClientSampleId :

Tgt Ion:105 Resp: 9100

Ion Ratio Lower Upper

105 100

134 21.7 9.7 28.9



#86

p-Isopropyltoluene

Concen: 1.270 ug/l

RT: 13.379 min Scan# 1896

Delta R.T. 0.000 min

Lab File: VY016934.D

Acq: 08 Jan 2024 14:05

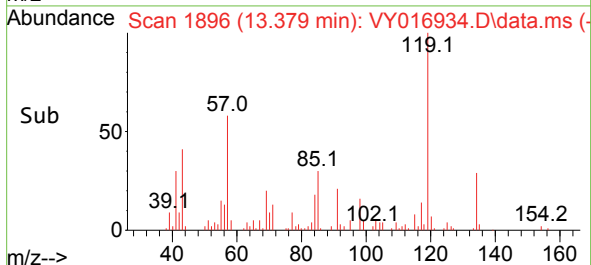
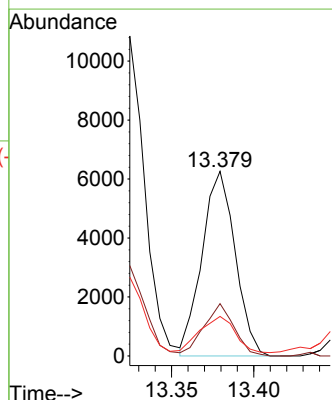
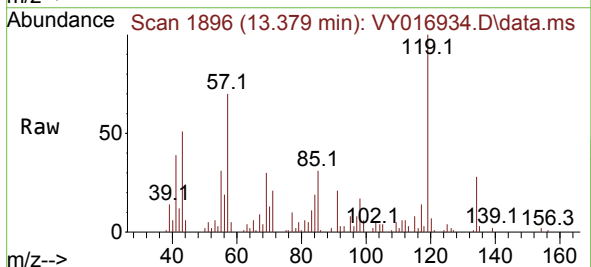
Tgt Ion:119 Resp: 8798

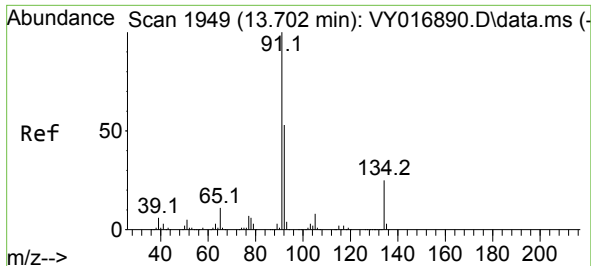
Ion Ratio Lower Upper

119 100

134 25.8 13.1 39.1

91 20.7 11.7 35.0

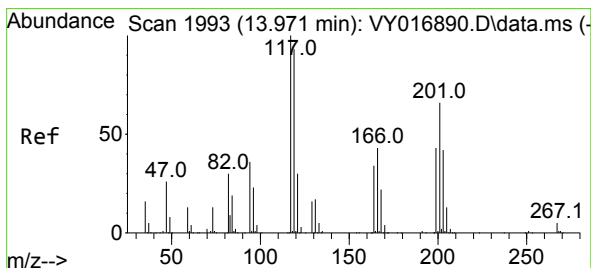
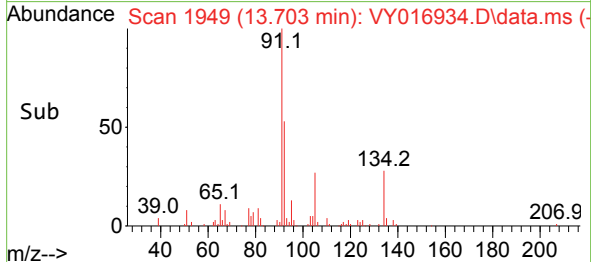
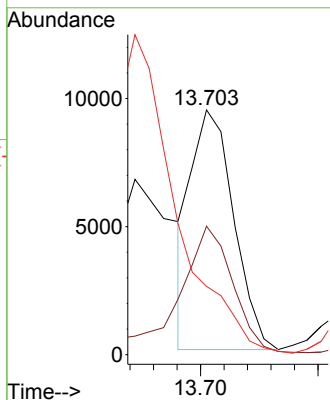
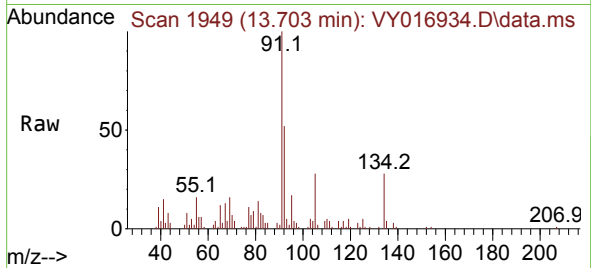




#89
n-Butylbenzene
Concen: 1.768 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.001 min
Lab File: VY016934.D
Acq: 08 Jan 2024 14:05

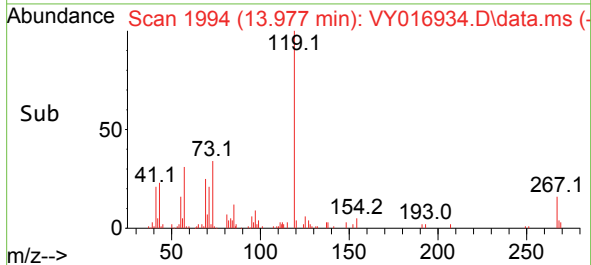
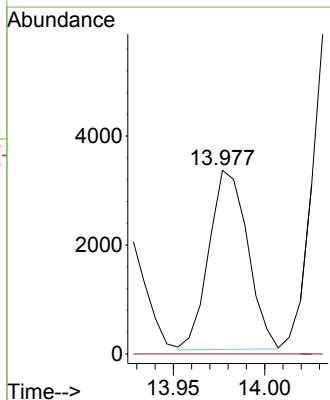
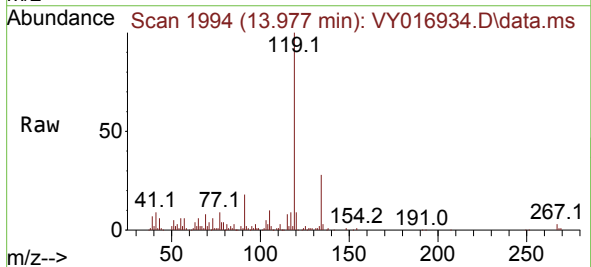
Instrument :
MSVOA_Y
ClientSampleId :

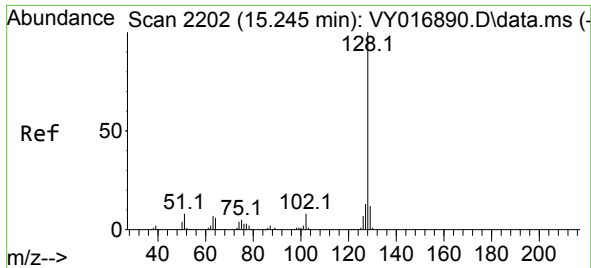
Tgt Ion: 91 Resp: 11776
Ion Ratio Lower Upper
91 100
92 68.7 26.4 79.2
134 0.0 12.3 36.8#



#90
Hexachloroethane
Concen: 3.256 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VY016934.D
Acq: 08 Jan 2024 14:05

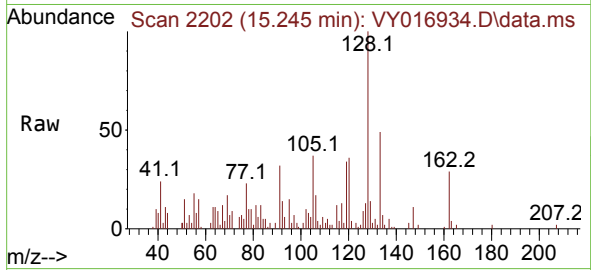
Tgt Ion: 117 Resp: 4847
Ion Ratio Lower Upper
117 100
201 0.0 33.4 100.1#





#95
Naphthalene
Concen: 3.757 ug/l
RT: 15.245 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY016934.D
Acq: 08 Jan 2024 14:05

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	8039
Ion	Ratio	Lower	Upper
128	100		
127	20.9	10.2	15.4#
129	11.1	8.6	12.8

