

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090623\
 Data File : VY015446.D
 Acq On : 06 Sep 2023 13:43
 Operator : SY/MD
 Sample : 04278-02
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 824-829

Quant Time: Sep 06 16:27:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

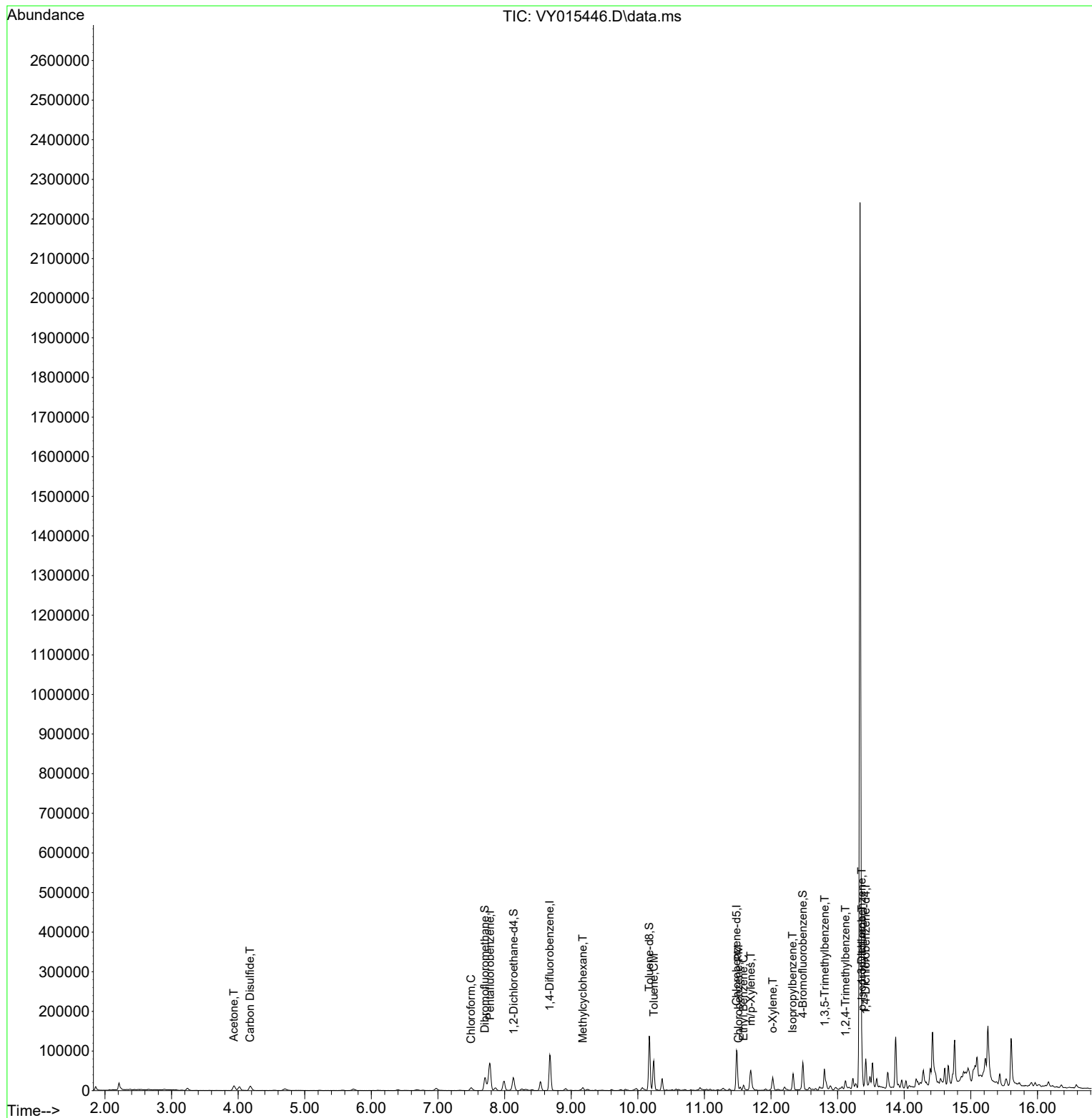
Internal Standards						
1) Pentafluorobenzene	7.783	168	48887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	77267	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	55236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	17443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	23803	45.420	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 90.840%			
35) Dibromofluoromethane	7.704	113	22991	51.660	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.320%			
50) Toluene-d8	10.173	98	86050	53.392	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.780%			
62) 4-Bromofluorobenzene	12.477	95	19313	32.279	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 64.560%			
Target Compounds					Qvalue	
16) Acetone	3.936	43	20403	93.275	ug/l	100
17) Carbon Disulfide	4.180	76	17829	12.272	ug/l	96
30) Chloroform	7.496	83	5879	5.717	ug/l	85
39) Methylcyclohexane	9.173	83	2281	2.319	ug/l	96
52) Toluene	10.240	92	31029	22.205	ug/l	95
65) Chlorobenzene	11.514	112	1490	1.252	ug/l	97
67) Ethyl Benzene	11.587	91	8428	3.943	ug/l	92
68) m/p-Xylenes	11.697	106	14112	17.034	ug/l	99
69) o-Xylene	12.026	106	8072	10.195	ug/l	90
73) Isopropylbenzene	12.325	105	3610	2.755	ug/l	83
80) 1,3,5-Trimethylbenzene	12.806	105	3534	3.225	ug/l	86
84) 1,2,4-Trimethylbenzene	13.117	105	10155	9.333	ug/l	97
86) p-Isopropyltoluene	13.367	119	49101	40.920	ug/l #	75
87) 1,3-Dichlorobenzene	13.361	146	754	1.231	ug/l	74

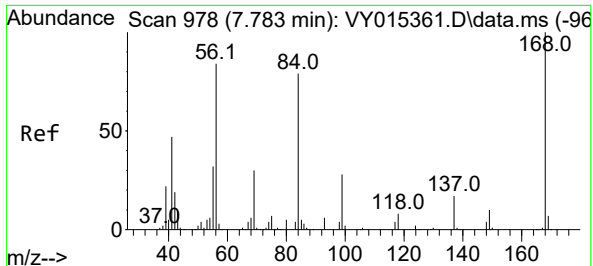
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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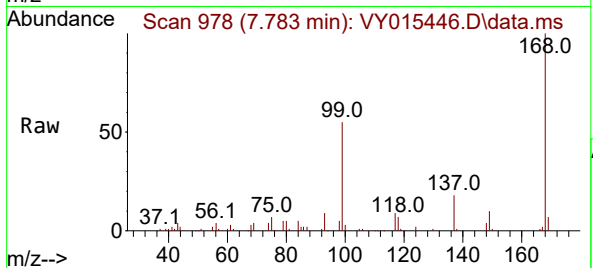
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 31 20:01:47 2023
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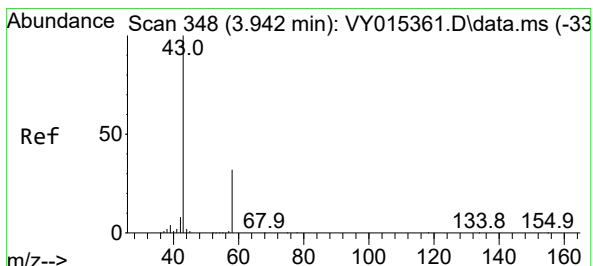
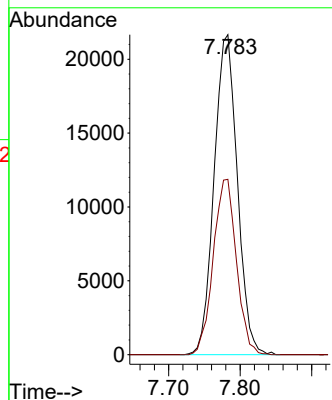
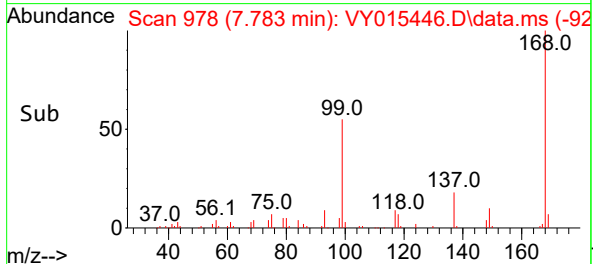


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015446.D
Acq: 06 Sep 2023 13:43

Instrument :
MSVOA_Y
ClientSampleId :
824-829

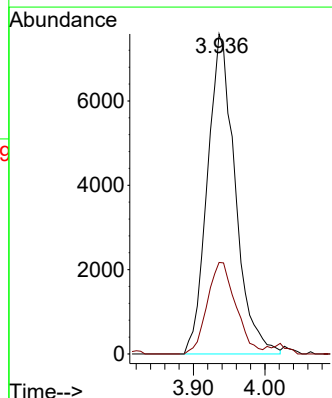
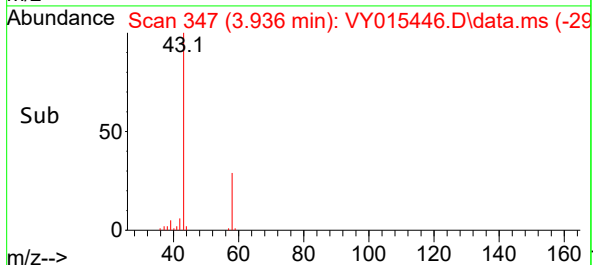
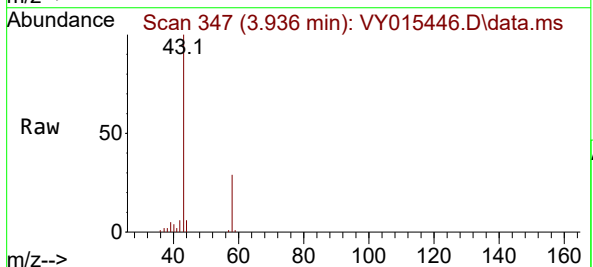


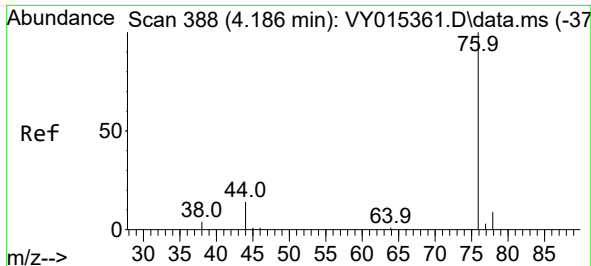
Tgt Ion:168 Resp: 48887
Ion Ratio Lower Upper
168 100
99 54.8 43.4 65.0



#16
Acetone
Concen: 93.275 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY015446.D
Acq: 06 Sep 2023 13:43

Tgt Ion: 43 Resp: 20403
Ion Ratio Lower Upper
43 100
58 28.6 22.7 34.1

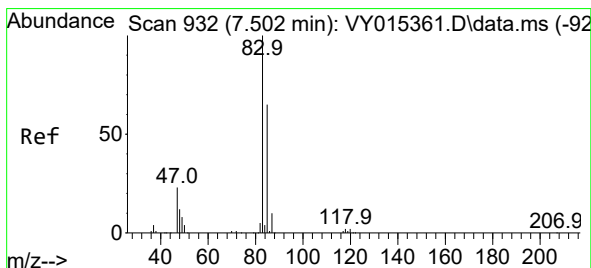
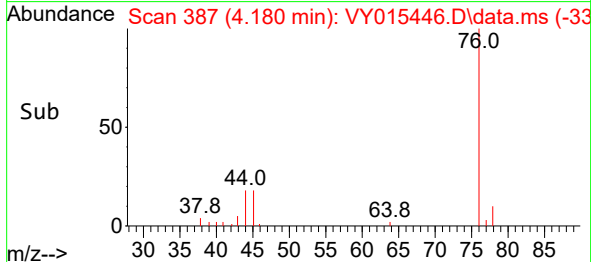
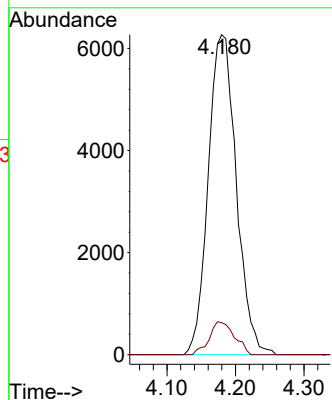
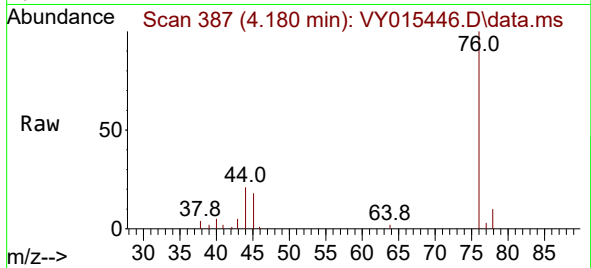




#17
Carbon Disulfide
Concen: 12.272 ug/l
RT: 4.180 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY015446.D
Acq: 06 Sep 2023 13:43

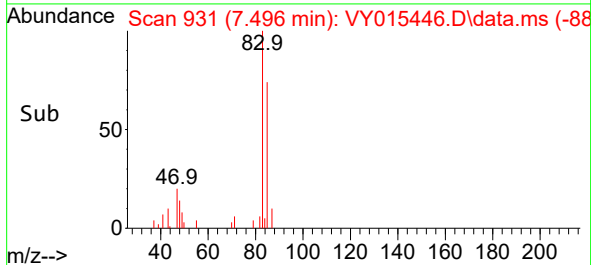
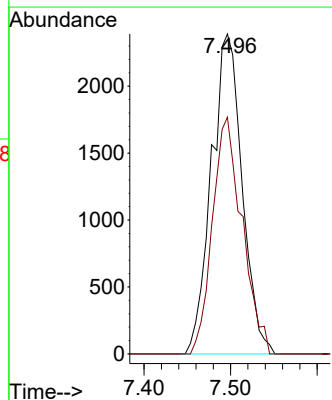
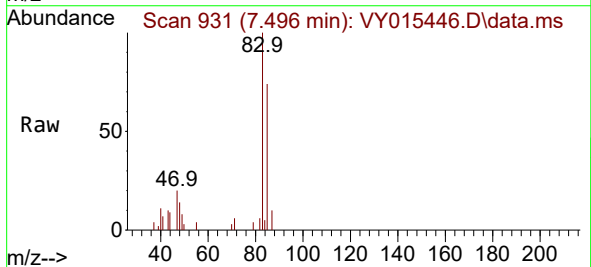
Instrument :
MSVOA_Y
ClientSampleId :
824-829

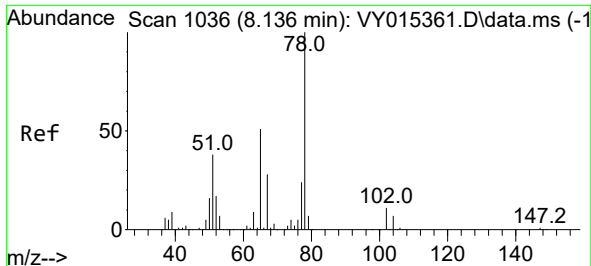
Tgt Ion: 76 Resp: 17829
Ion Ratio Lower Upper
76 100
78 10.0 7.0 10.4



#30
Chloroform
Concen: 5.717 ug/l
RT: 7.496 min Scan# 931
Delta R.T. 0.000 min
Lab File: VY015446.D
Acq: 06 Sep 2023 13:43

Tgt Ion: 83 Resp: 5879
Ion Ratio Lower Upper
83 100
85 74.0 49.7 74.5

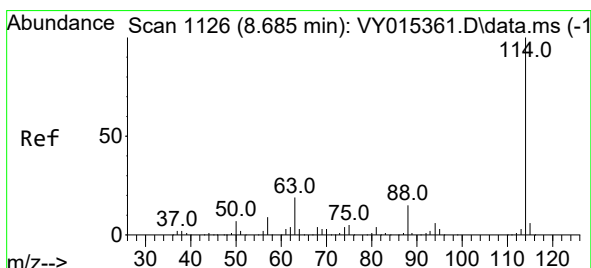
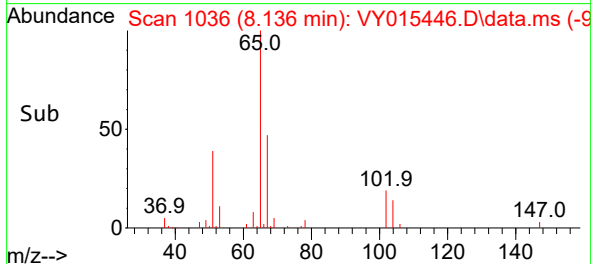
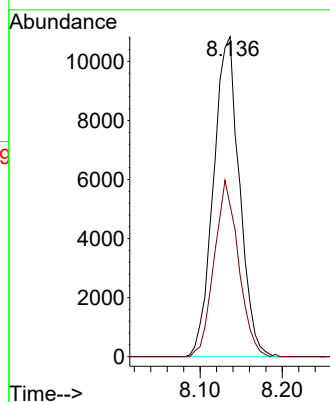
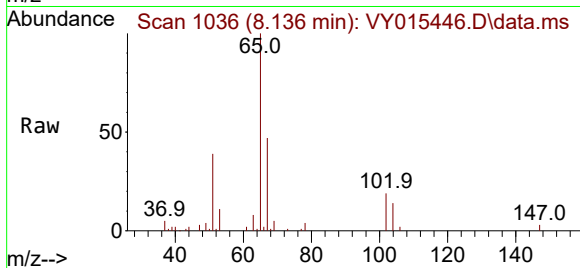




#33
 1,2-Dichloroethane-d4
 Concen: 45.420 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY015446.D
 Acq: 06 Sep 2023 13:43

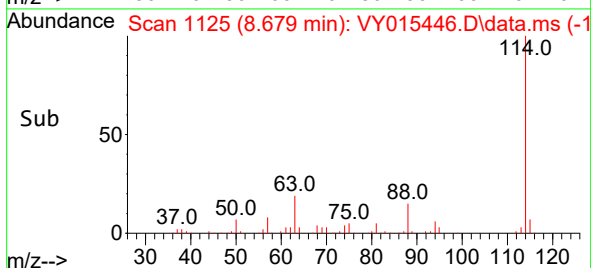
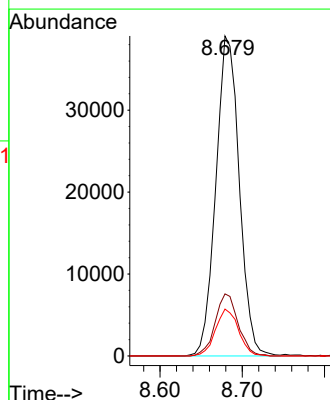
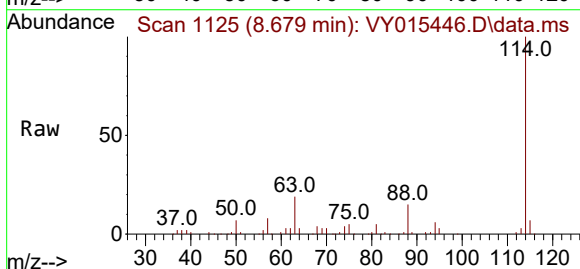
Instrument :
 MSVOA_Y
 ClientSampleId :
 824-829

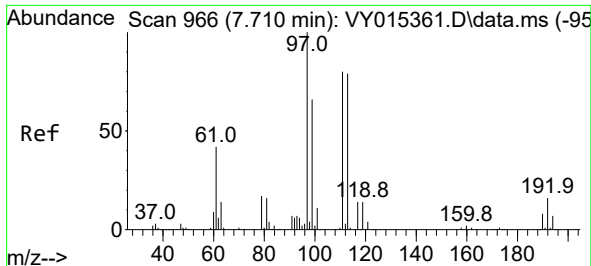
Tgt Ion: 65 Resp: 23803
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.679 min Scan# 1125
 Delta R.T. -0.006 min
 Lab File: VY015446.D
 Acq: 06 Sep 2023 13:43

Tgt Ion: 114 Resp: 77267
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 42.4
 88 14.6 0.0 30.6

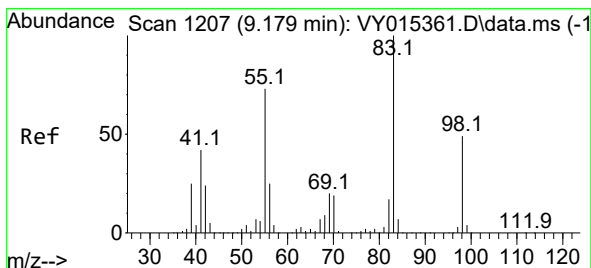
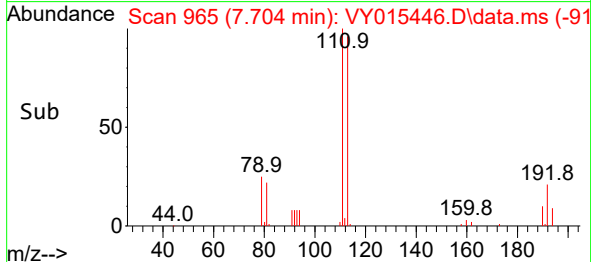
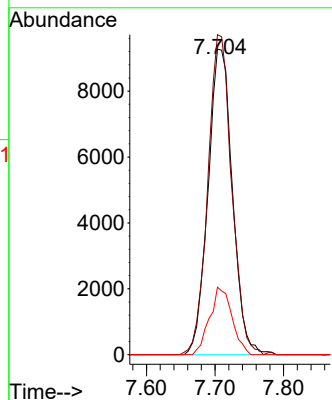
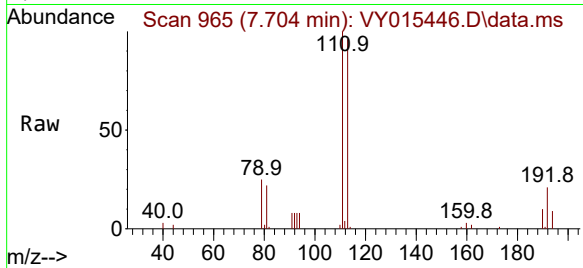




#35
Dibromofluoromethane
Concen: 51.660 ug/l
RT: 7.704 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY015446.D
Acq: 06 Sep 2023 13:43

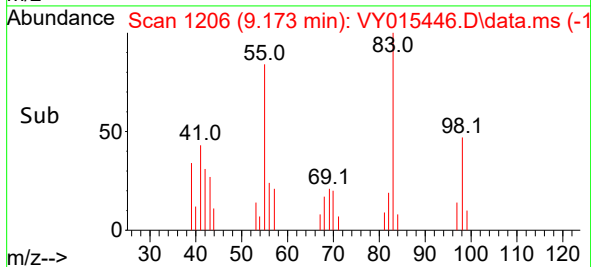
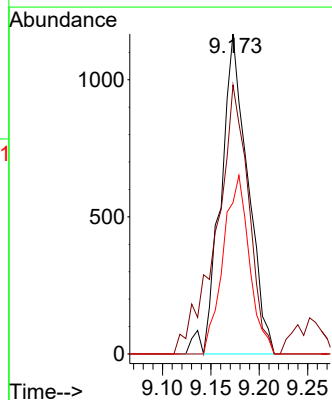
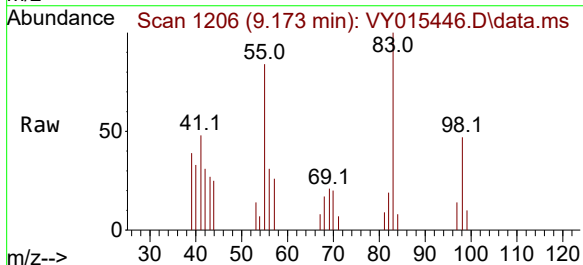
Instrument :
MSVOA_Y
ClientSampleId :
824-829

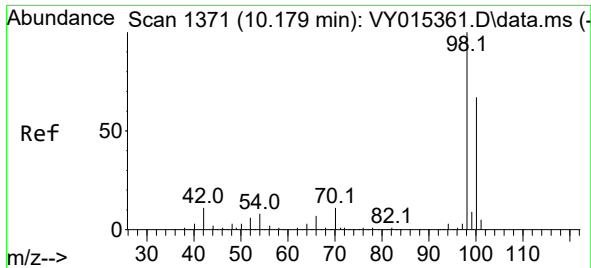
Tgt Ion:113 Resp: 22991
Ion Ratio Lower Upper
113 100
111 102.2 81.3 121.9
192 20.2 16.9 25.3



#39
Methylcyclohexane
Concen: 2.319 ug/l
RT: 9.173 min Scan# 1206
Delta R.T. -0.006 min
Lab File: VY015446.D
Acq: 06 Sep 2023 13:43

Tgt Ion: 83 Resp: 2281
Ion Ratio Lower Upper
83 100
55 84.1 63.0 94.4
98 47.3 37.4 56.2

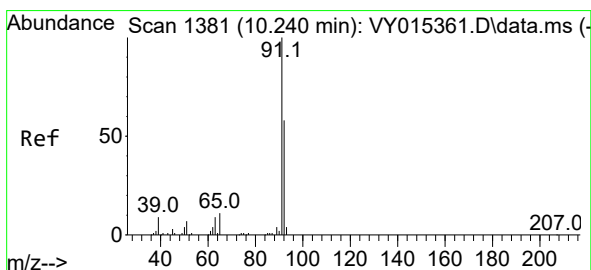
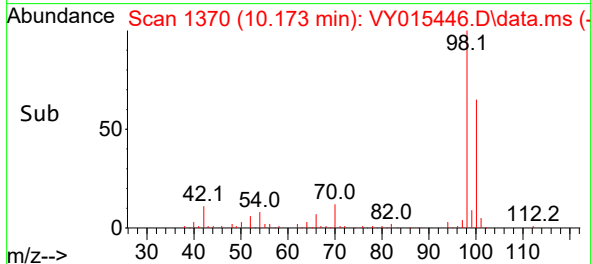
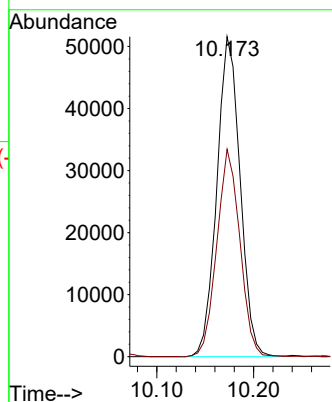
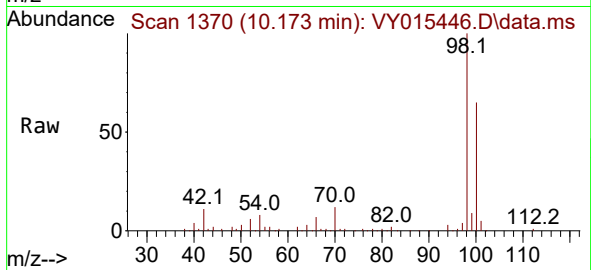




#50
Toluene-d8
Concen: 53.392 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY015446.D
Acq: 06 Sep 2023 13:43

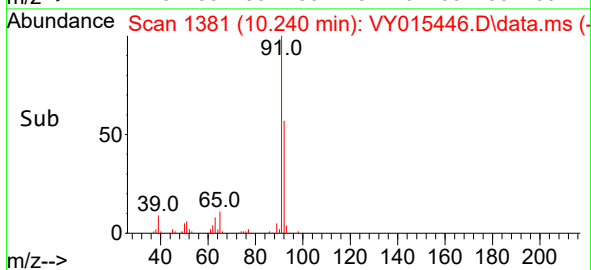
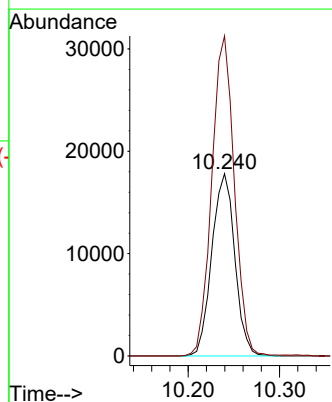
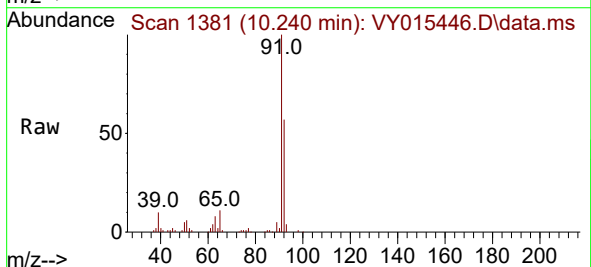
Instrument :
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ClientSampleId :
824-829

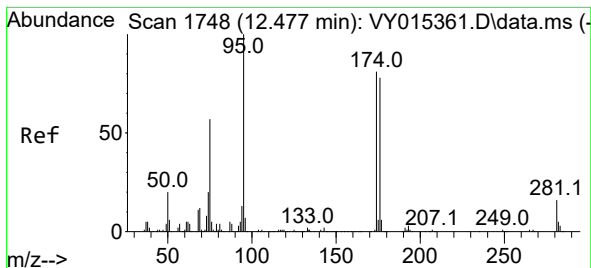
Tgt Ion: 98 Resp: 86050
Ion Ratio Lower Upper
98 100
100 64.3 50.1 75.1



#52
Toluene
Concen: 22.205 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VY015446.D
Acq: 06 Sep 2023 13:43

Tgt Ion: 92 Resp: 31029
Ion Ratio Lower Upper
92 100
91 172.9 143.8 215.6

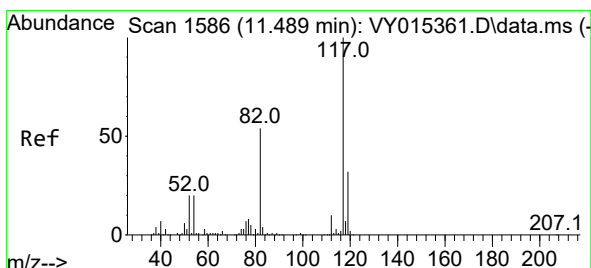
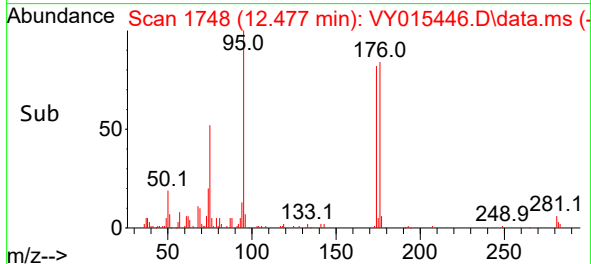
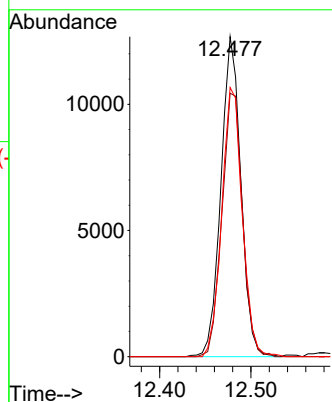
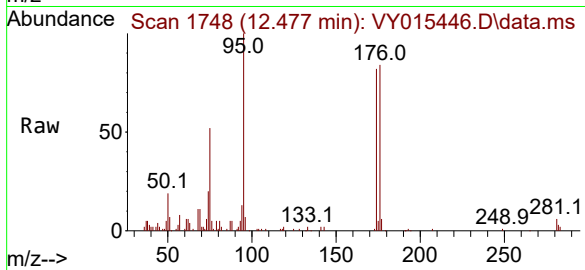




#62
4-Bromofluorobenzene
Concen: 32.279 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015446.D
Acq: 06 Sep 2023 13:43

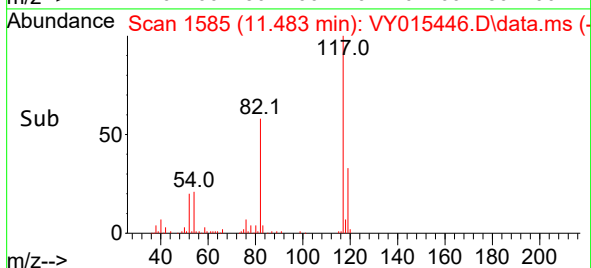
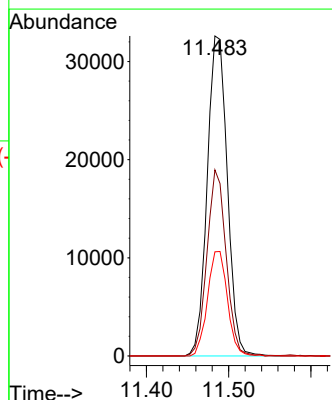
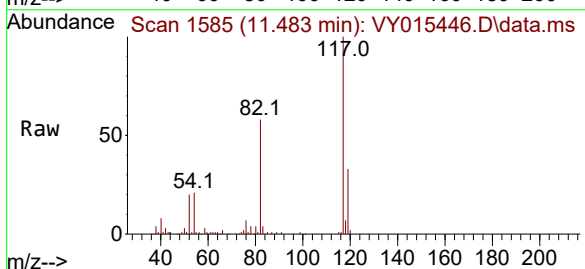
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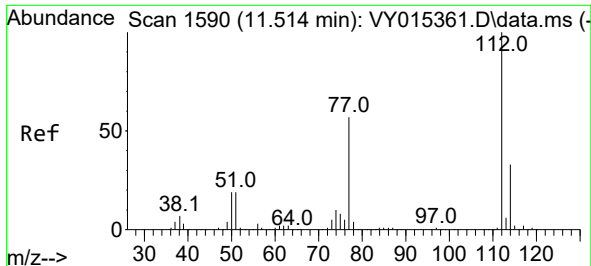
Tgt Ion: 95 Resp: 19313
Ion Ratio Lower Upper
95 100
174 84.6 0.0 178.2
176 86.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY015446.D
Acq: 06 Sep 2023 13:43

Tgt Ion: 117 Resp: 55236
Ion Ratio Lower Upper
117 100
82 58.2 43.4 65.0
119 32.6 26.3 39.5

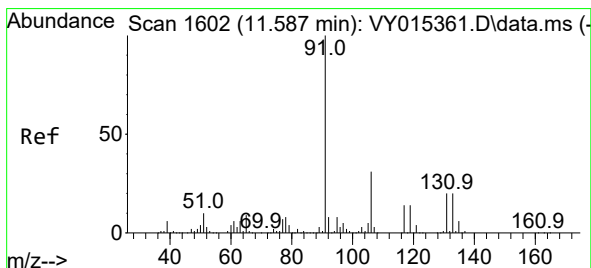
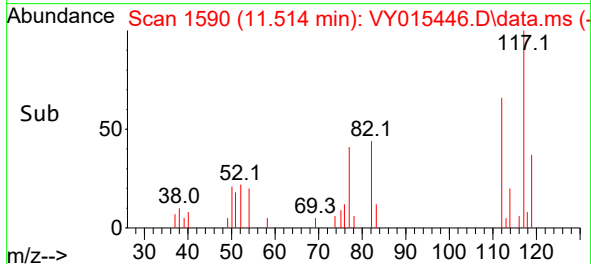
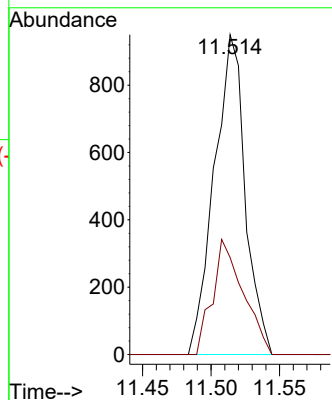
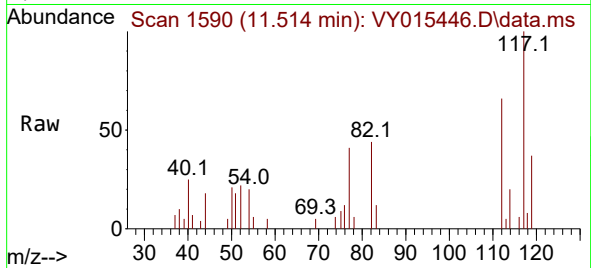




#65
Chlorobenzene
Concen: 1.252 ug/l
RT: 11.514 min Scan# 1159
Delta R.T. 0.000 min
Lab File: VY015446.D
Acq: 06 Sep 2023 13:43

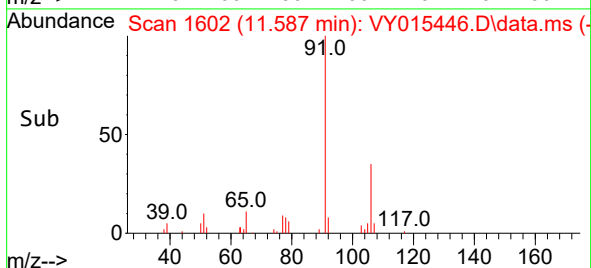
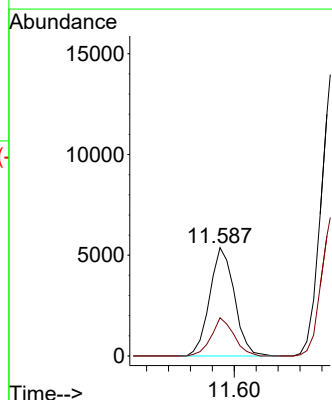
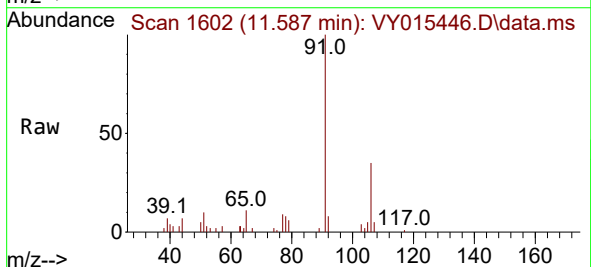
Instrument :
MSVOA_Y
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824-829

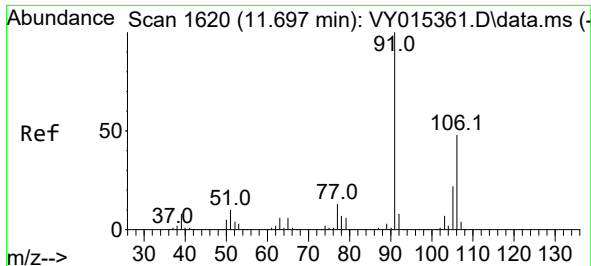
Tgt Ion:112 Resp: 1490
Ion Ratio Lower Upper
112 100
114 30.3 25.5 38.3



#67
Ethyl Benzene
Concen: 3.943 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VY015446.D
Acq: 06 Sep 2023 13:43

Tgt Ion: 91 Resp: 8428
Ion Ratio Lower Upper
91 100
106 35.2 24.6 36.8

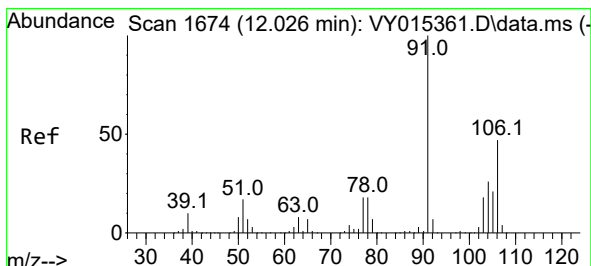
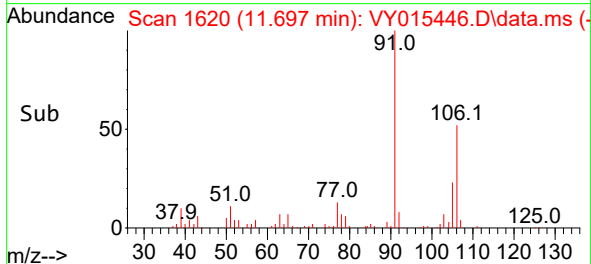
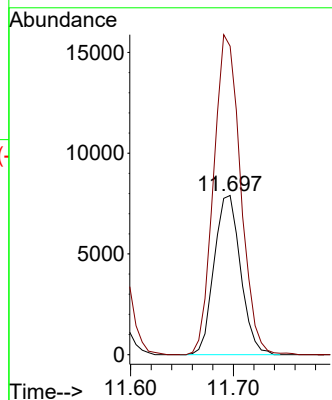
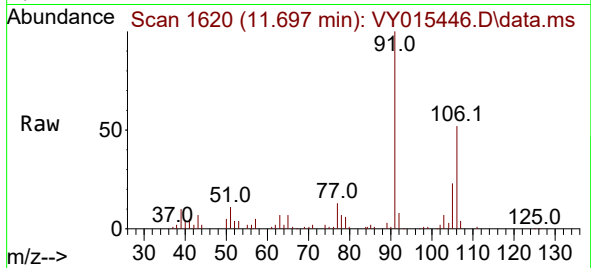




#68
m/p-Xylenes
Concen: 17.034 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY015446.D
Acq: 06 Sep 2023 13:43

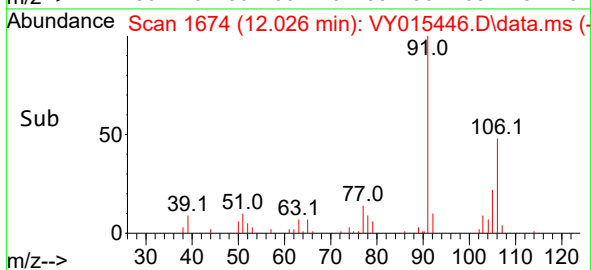
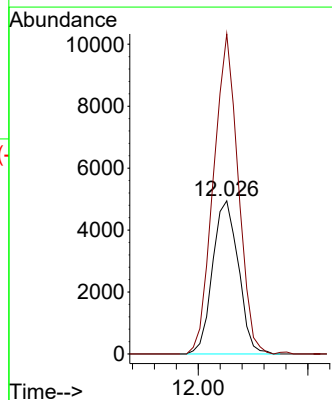
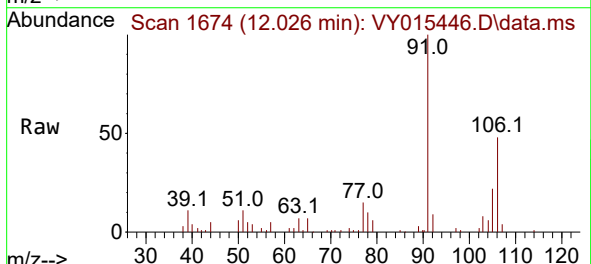
Instrument :
MSVOA_Y
ClientSampleId :
824-829

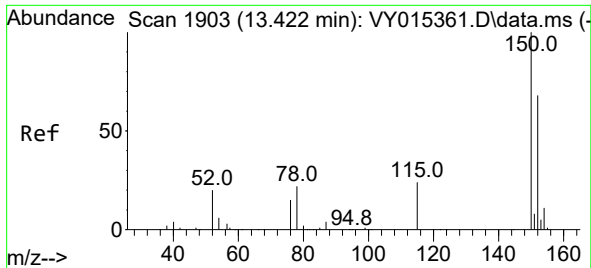
Tgt Ion:106 Resp: 14112
Ion Ratio Lower Upper
106 100
91 205.3 166.1 249.1



#69
o-Xylene
Concen: 10.195 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY015446.D
Acq: 06 Sep 2023 13:43

Tgt Ion:106 Resp: 8072
Ion Ratio Lower Upper
106 100
91 199.9 108.1 324.3

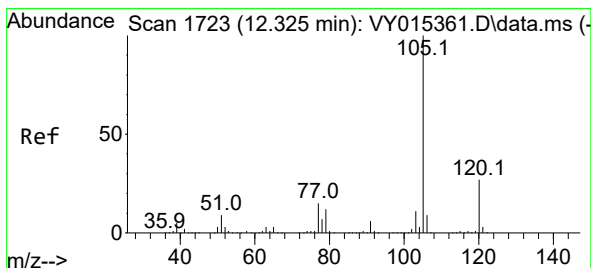
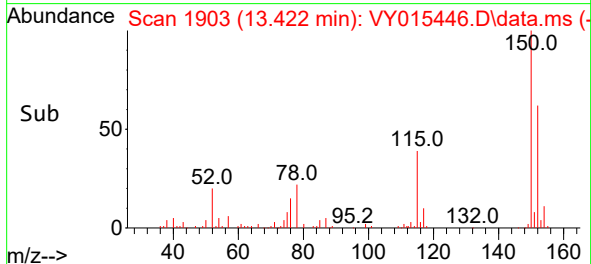
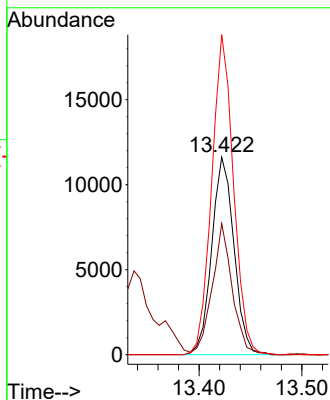
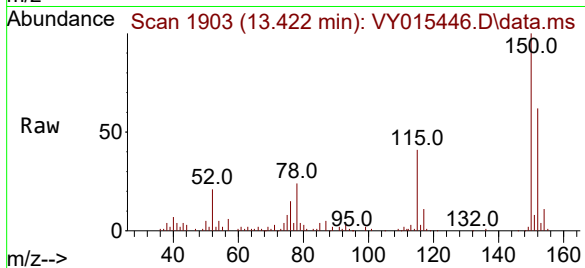




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015446.D
Acq: 06 Sep 2023 13:43

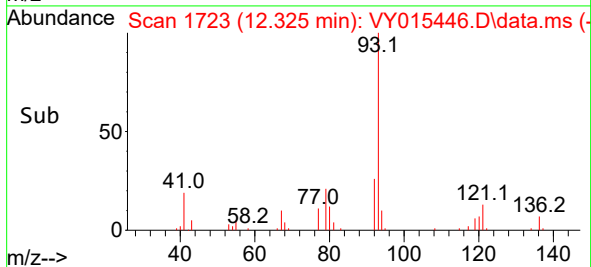
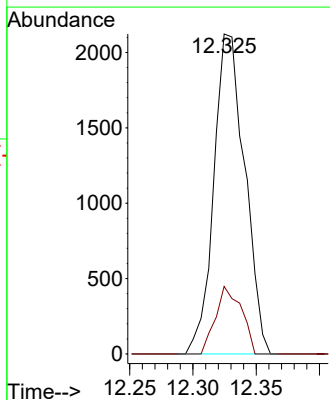
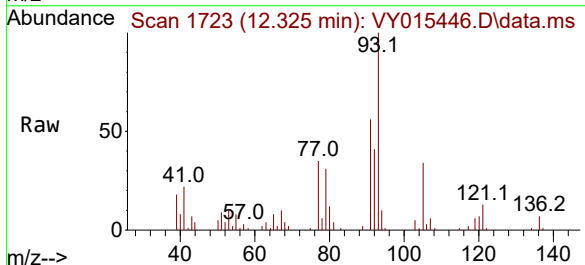
Instrument :
MSVOA_Y
ClientSampleId :
824-829

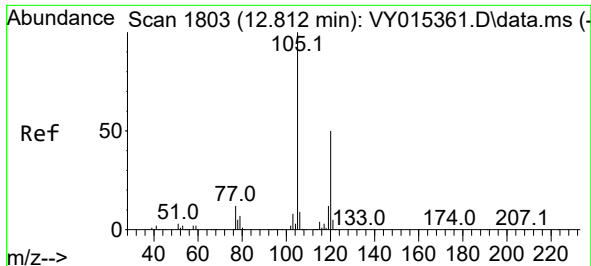
Tgt Ion:152 Resp: 17443
Ion Ratio Lower Upper
152 100
115 60.1 28.8 86.5
150 158.9 0.0 348.8



#73
Isopropylbenzene
Concen: 2.755 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. 0.000 min
Lab File: VY015446.D
Acq: 06 Sep 2023 13:43

Tgt Ion:105 Resp: 3610
Ion Ratio Lower Upper
105 100
120 17.6 13.3 39.9

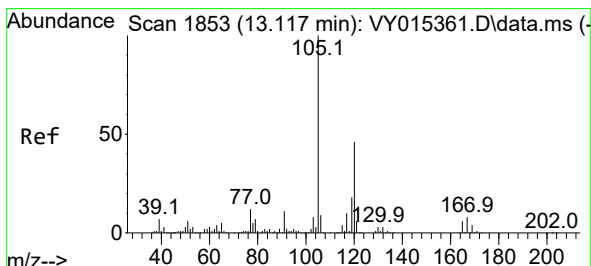
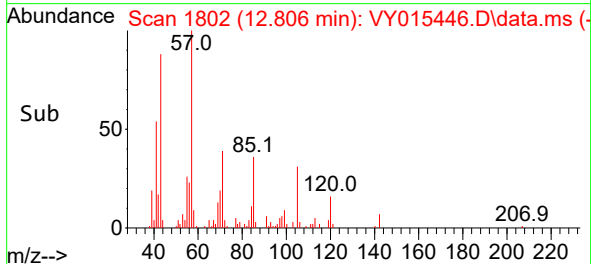
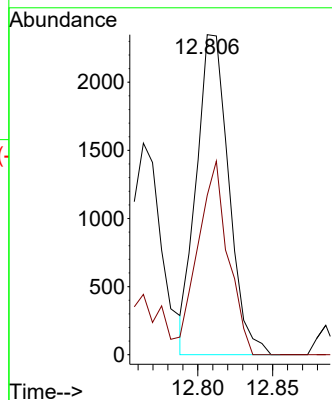
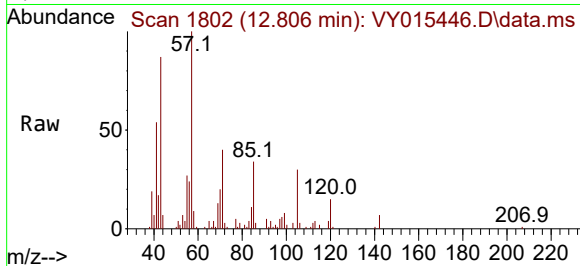




#80
1,3,5-Trimethylbenzene
Concen: 3.225 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.006 min
Lab File: VY015446.D
Acq: 06 Sep 2023 13:43

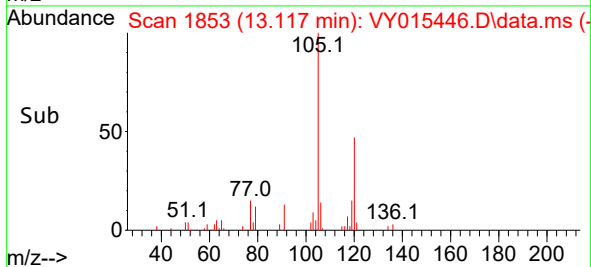
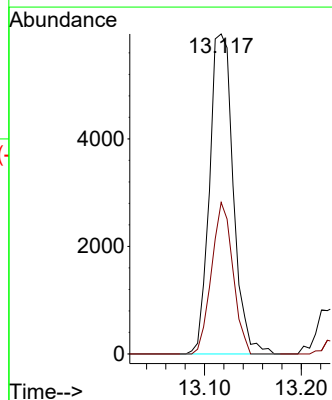
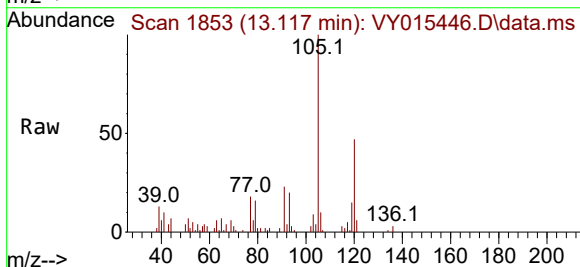
Instrument :
MSVOA_Y
ClientSampleId :
824-829

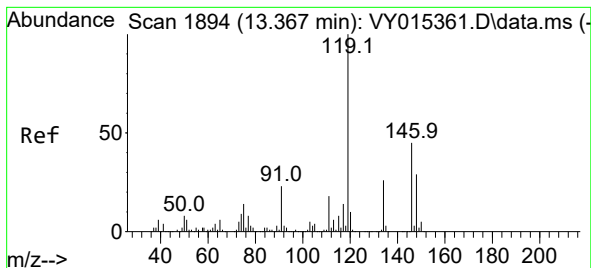
Tgt Ion:105 Resp: 3534
Ion Ratio Lower Upper
105 100
120 57.0 23.9 71.7



#84
1,2,4-Trimethylbenzene
Concen: 9.333 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY015446.D
Acq: 06 Sep 2023 13:43

Tgt Ion:105 Resp: 10155
Ion Ratio Lower Upper
105 100
120 42.5 22.2 66.6





#86

p-Isopropyltoluene

Concen: 40.920 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY015446.D

Acq: 06 Sep 2023 13:43

Instrument :

MSVOA_Y

ClientSampleId :

824-829

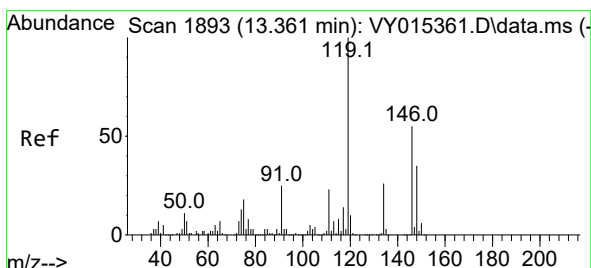
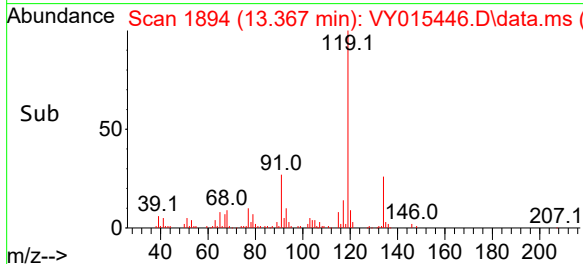
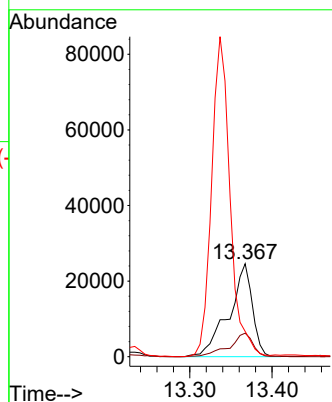
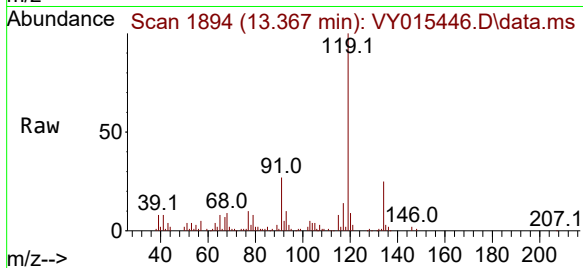
Tgt Ion:119 Resp: 49101

Ion Ratio Lower Upper

119 100

134 25.5 13.3 39.8

91 0.0 12.4 37.4#



#87

1,3-Dichlorobenzene

Concen: 1.231 ug/l

RT: 13.361 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VY015446.D

Acq: 06 Sep 2023 13:43

Tgt Ion:146 Resp: 754

Ion Ratio Lower Upper

146 100

111 53.6 19.4 58.2

148 42.6 31.9 95.5

