

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100423\
 Data File : VY015835.D
 Acq On : 04 Oct 2023 18:12
 Operator : SY/MD
 Sample : 04693-04
 Misc : 6.17g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 05 06:57:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

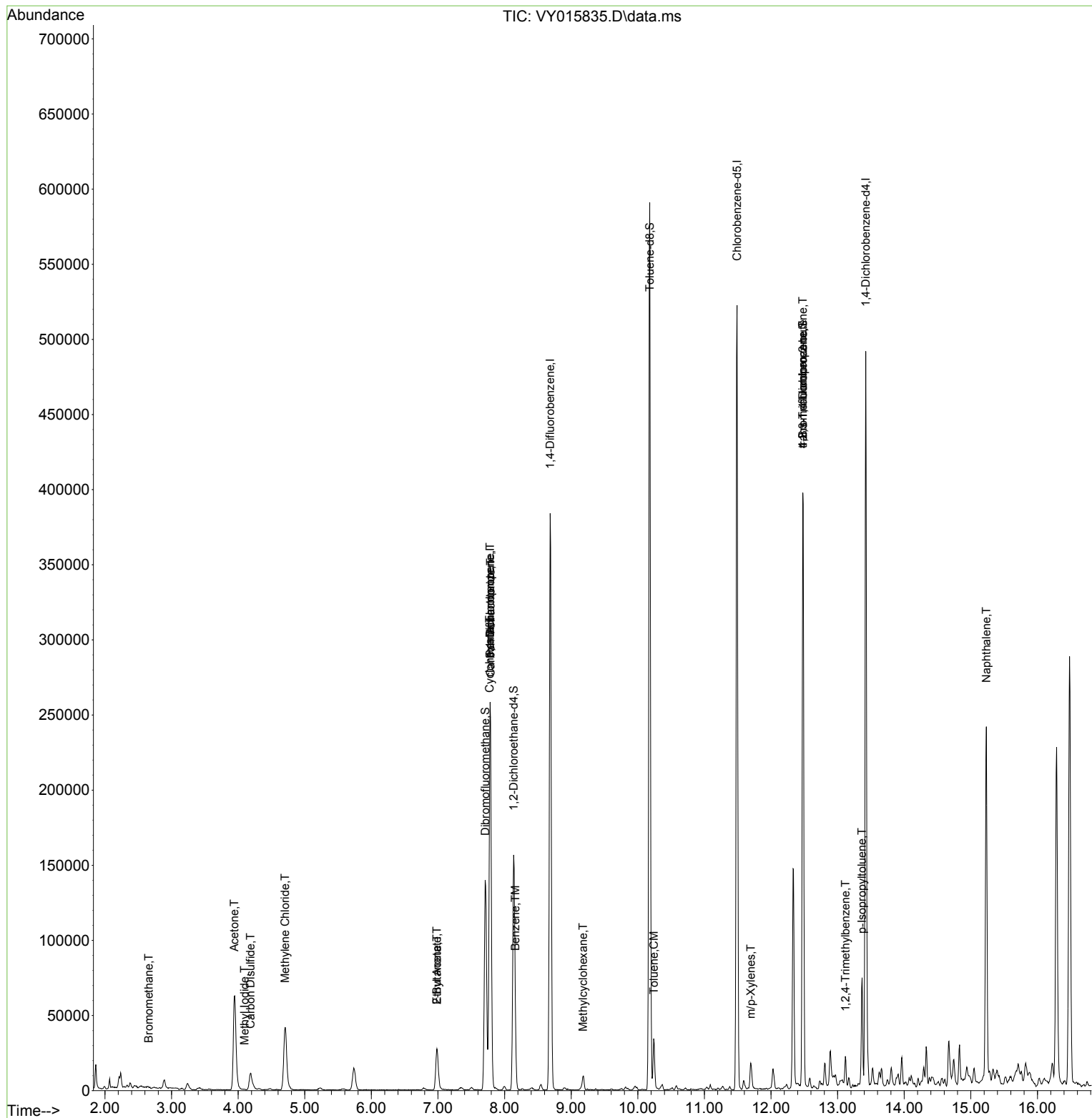
Internal Standards						
1) Pentafluorobenzene	7.783	168	199870	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	331218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	282980	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	121583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	114068	51.870	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.740%	
35) Dibromofluoromethane	7.710	113	101571	51.235	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.460%	
50) Toluene-d8	10.179	98	382089	56.843	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.680%	
62) 4-Bromofluorobenzene	12.477	95	122847	46.571	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.140%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.656	94	333	2.724	ug/l	84
10) Methyl Iodide	4.095	142	198	2.809	ug/l #	38
11) Tert butyl alcohol	4.966	59	500	Below Cal	#	89
16) Acetone	3.942	43	114659	97.427	ug/l	92
17) Carbon Disulfide	4.186	76	21322	6.242	ug/l	99
20) Methylene Chloride	4.704	84	32739	8.705	ug/l	89
25) 2-Butanone	6.984	43	47207	28.379	ug/l	94
31) Cyclohexane	7.777	56	5595	1.837	ug/l #	32
36) 1,1-Dichloropropene	7.783	75	14809	5.052	ug/l #	51
37) Ethyl Acetate	6.984	43	47207	16.146	ug/l #	71
38) Carbon Tetrachloride	7.789	117	20018	6.292	ug/l #	16
39) Methylcyclohexane	9.179	83	3971	1.225	ug/l	89
40) Benzene	8.161	78	23951	2.679	ug/l	100
52) Toluene	10.240	92	13790	2.393	ug/l	93
68) m/p-Xylenes	11.697	106	5481	1.336	ug/l	91
76) 1,2,3-Trichloropropane	12.477	75	64644	33.328	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	64644	75.050	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.117	105	10203	1.335	ug/l	99
86) p-Isopropyltoluene	13.367	119	39166	4.685	ug/l	98
95) Naphthalene	15.233	128	192679	28.627	ug/l	98

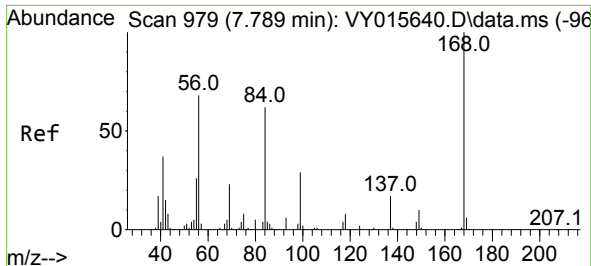
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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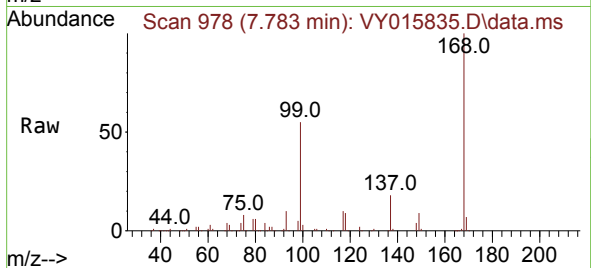
Quant Time: Oct 05 06:57:41 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
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QLast Update : Wed Sep 20 01:39:40 2023
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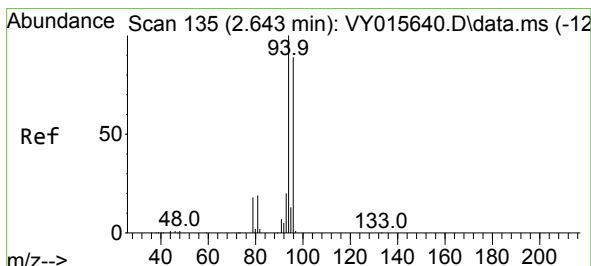
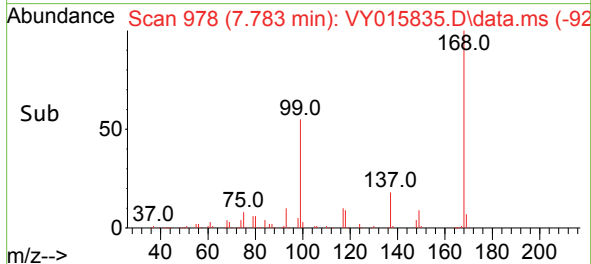
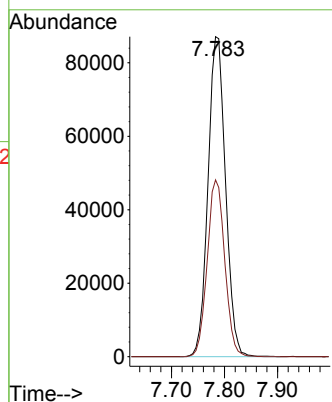


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Instrument :
MSVOA_Y
ClientSampleId :

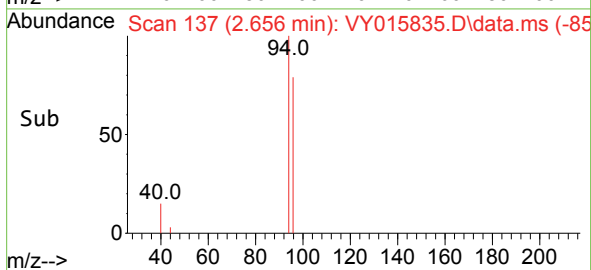
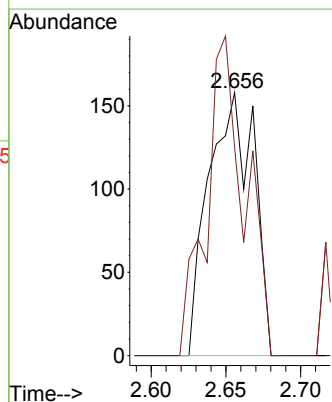
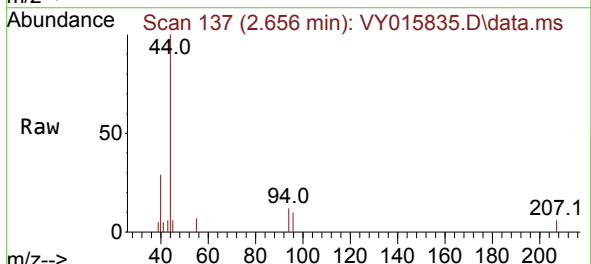


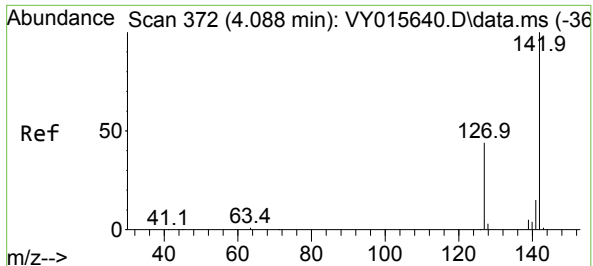
Tgt Ion:168 Resp: 199870
Ion Ratio Lower Upper
168 100
99 55.3 43.4 65.0



#5
Bromomethane
Concen: 2.724 ug/l
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Tgt Ion: 94 Resp: 333
Ion Ratio Lower Upper
94 100
96 79.1 75.8 113.6

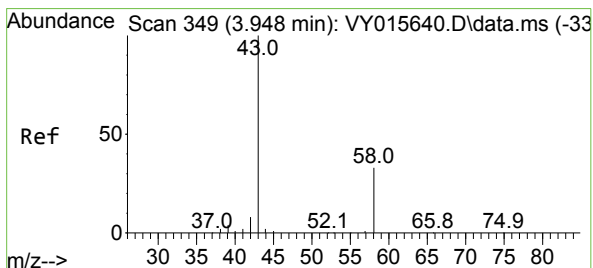
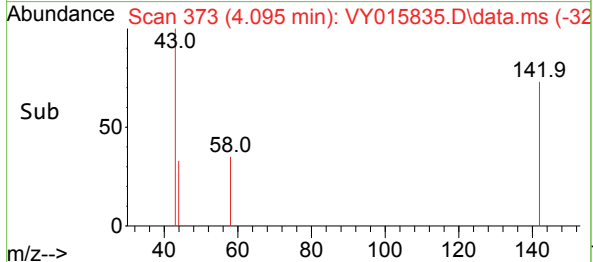
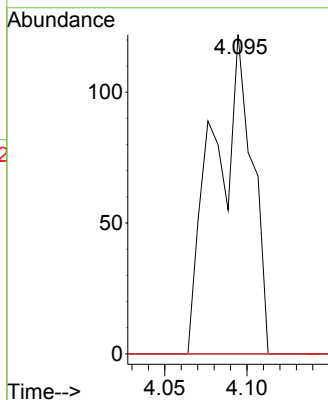
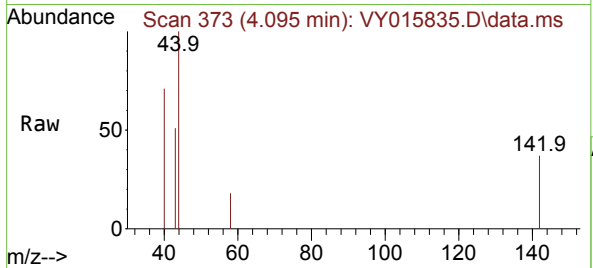




#10
Methyl Iodide
Concen: 2.809 ug/l
RT: 4.095 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

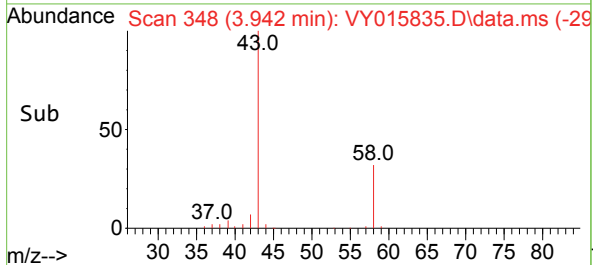
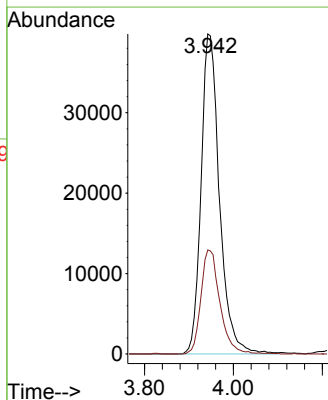
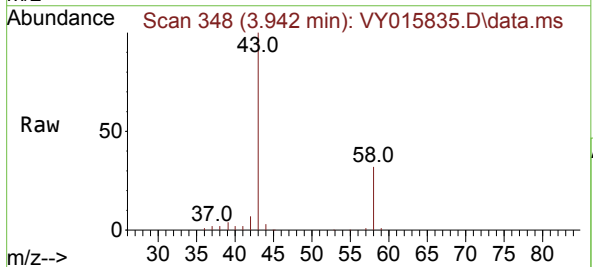
Instrument :
MSVOA_Y
ClientSampleId :

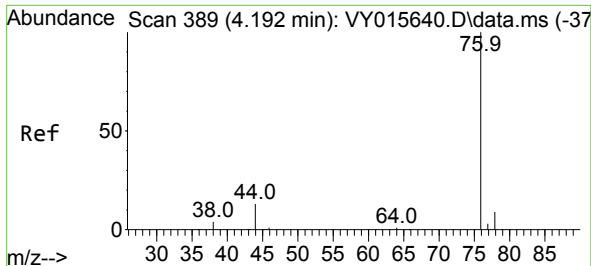
Tgt Ion:142 Resp: 198
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 97.427 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

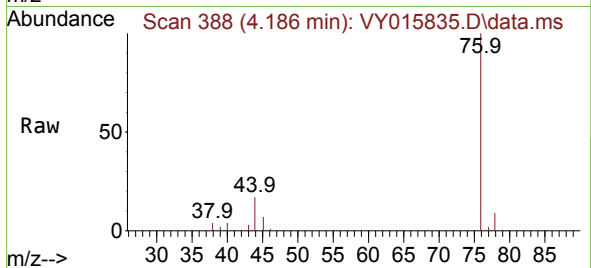
Tgt Ion: 43 Resp: 114659
Ion Ratio Lower Upper
43 100
58 32.5 22.7 34.1



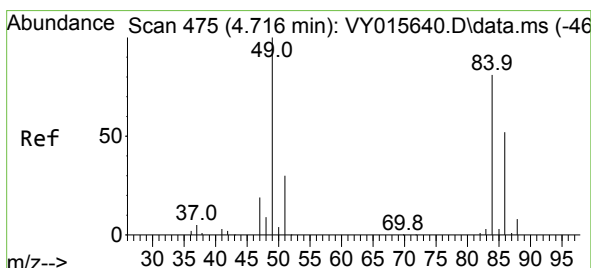
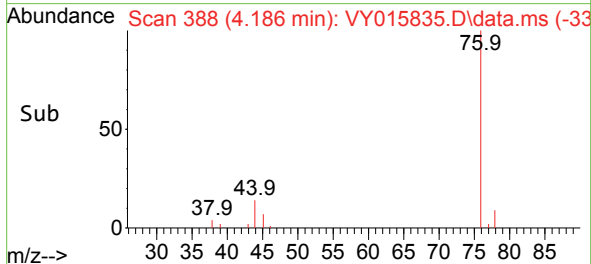
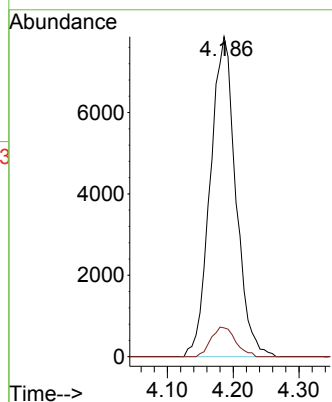


#17
Carbon Disulfide
Concen: 6.242 ug/l
RT: 4.186 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Instrument :
MSVOA_Y
ClientSampleId :

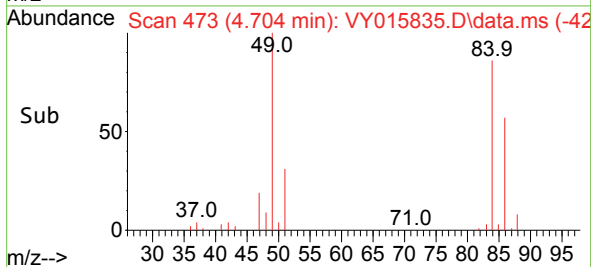
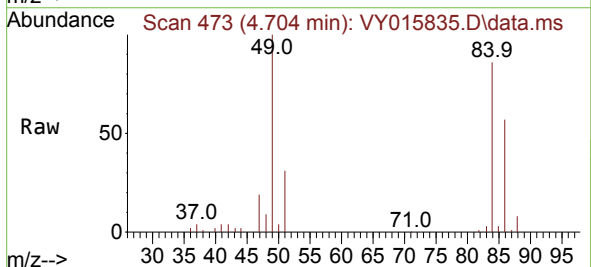
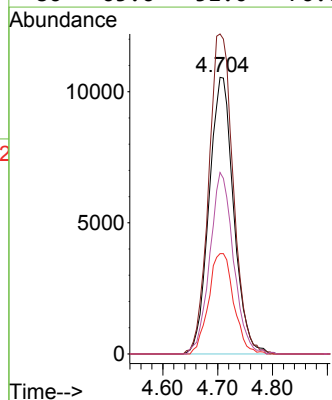


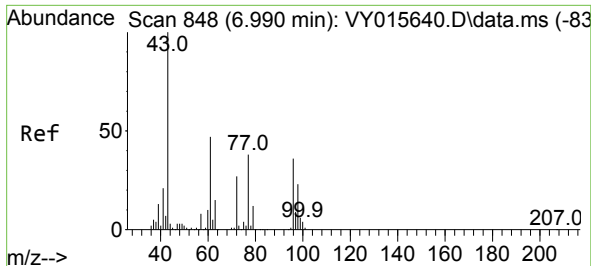
Tgt Ion: 76 Resp: 21322
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4



#20
Methylene Chloride
Concen: 8.705 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

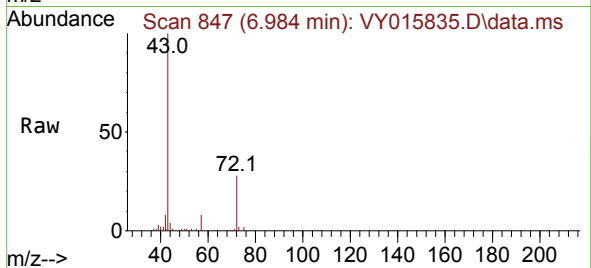
Tgt Ion: 84 Resp: 32739
Ion Ratio Lower Upper
84 100
49 115.6 106.9 160.3
51 36.3 33.2 49.8
86 65.6 51.0 76.6



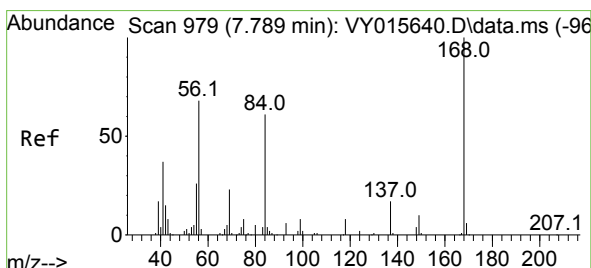
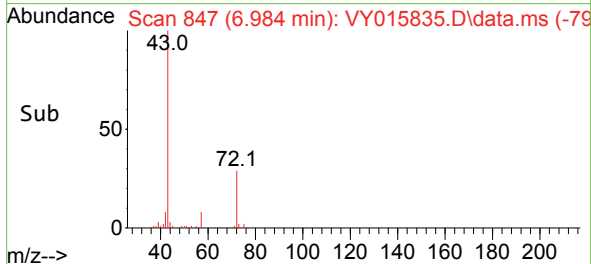
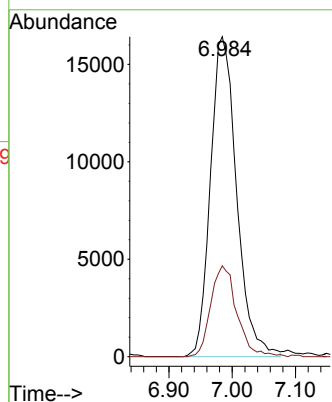


#25
2-Butanone
Concen: 28.379 ug/l
RT: 6.984 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Instrument :
MSVOA_Y
ClientSampleId :

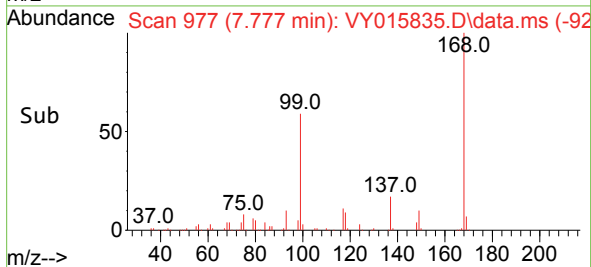
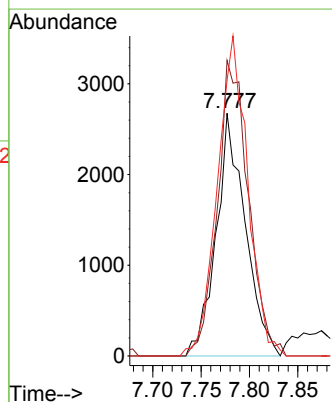
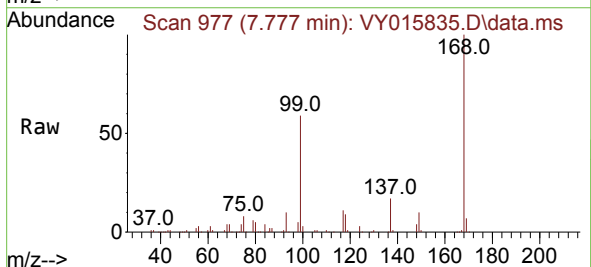


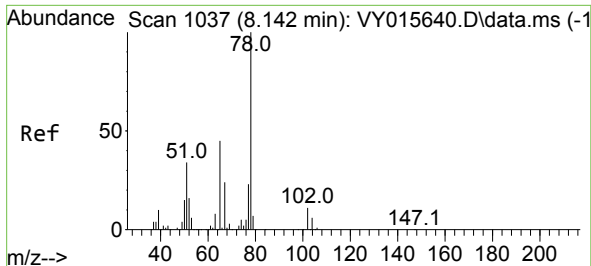
Tgt Ion: 43 Resp: 47207
Ion Ratio Lower Upper
43 100
72 28.4 20.5 30.7



#31
Cyclohexane
Concen: 1.837 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.006 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Tgt Ion: 56 Resp: 5595
Ion Ratio Lower Upper
56 100
69 121.7 27.8 41.6#
84 113.6 66.4 99.6#

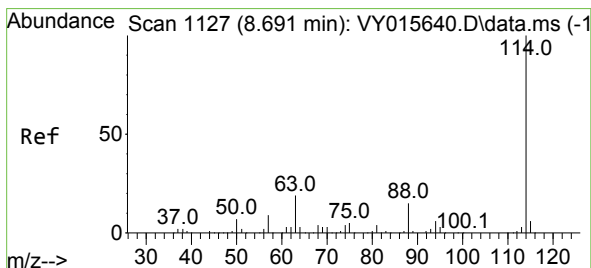
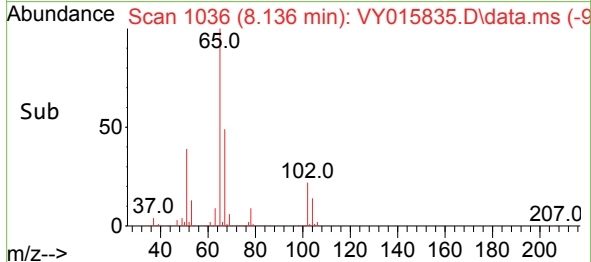
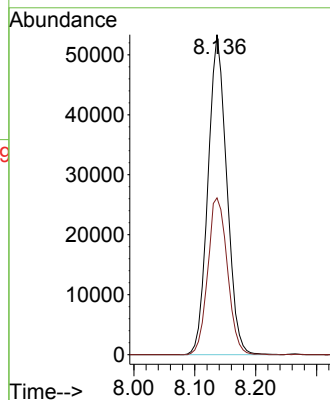
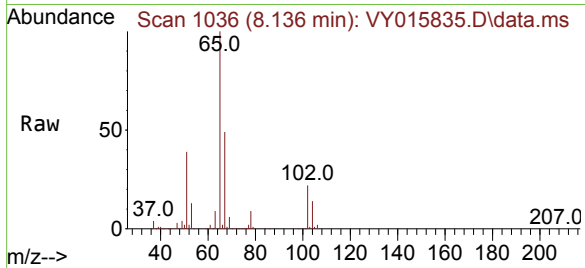




#33
 1,2-Dichloroethane-d4
 Concen: 51.870 ug/l
 RT: 8.136 min Scan# 110
 Delta R.T. 0.001 min
 Lab File: VY015835.D
 Acq: 04 Oct 2023 18:12

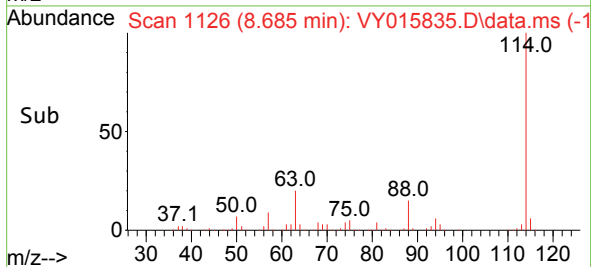
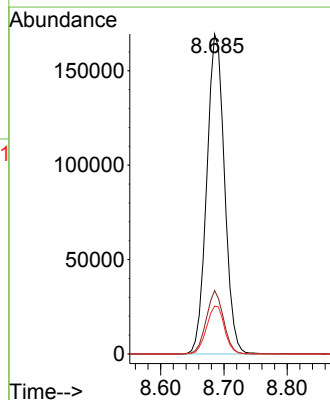
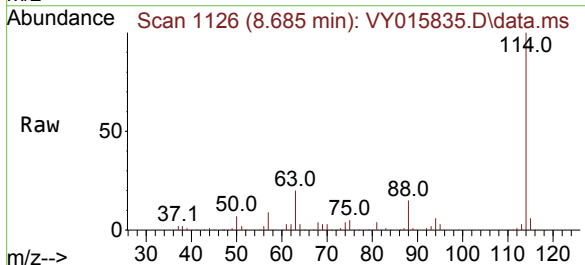
Instrument :
 MSVOA_Y
 ClientSampleId :

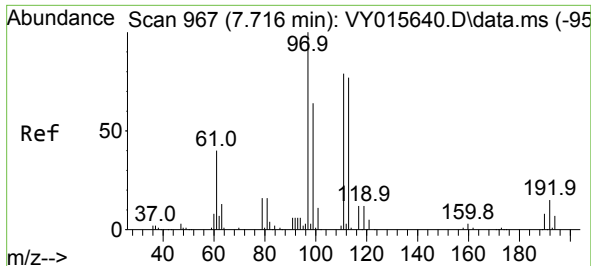
Tgt Ion: 65 Resp: 114068
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY015835.D
 Acq: 04 Oct 2023 18:12

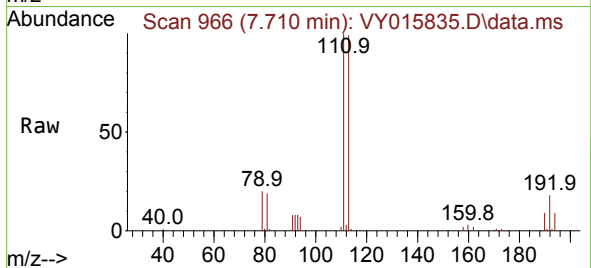
Tgt Ion: 114 Resp: 331218
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.4
 88 15.0 0.0 30.6



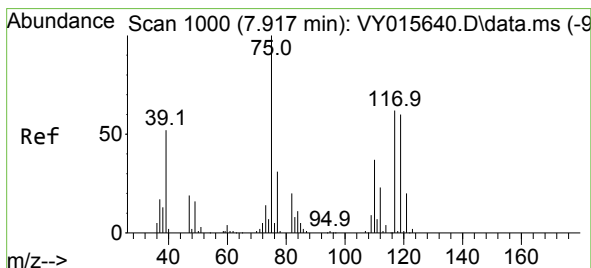
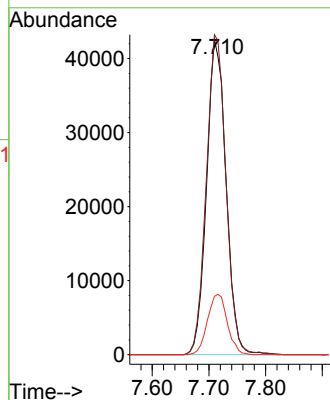
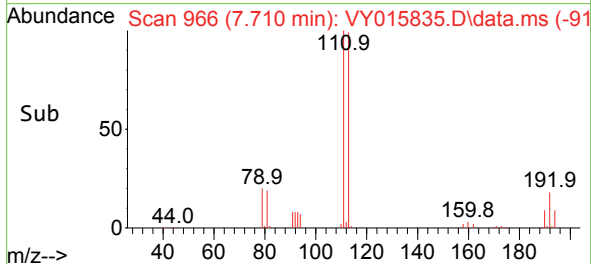


#35
Dibromofluoromethane
Concen: 51.235 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Instrument :
MSVOA_Y
ClientSampleId :

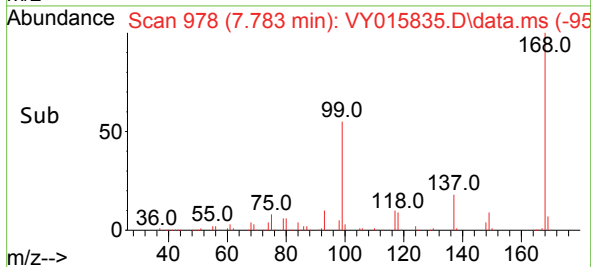
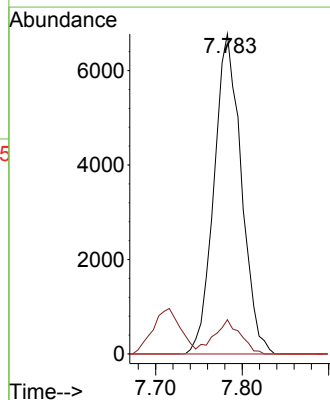
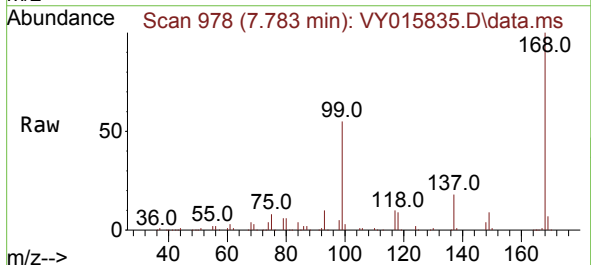


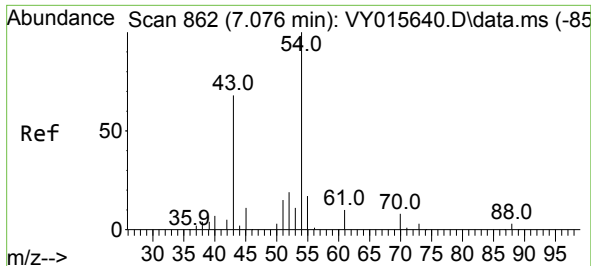
Tgt Ion:113 Resp: 101571
Ion Ratio Lower Upper
113 100
111 102.6 81.3 121.9
192 19.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.052 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Tgt Ion: 75 Resp: 14809
Ion Ratio Lower Upper
75 100
110 10.4 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 16.146 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.079 min

Lab File: VY015835.D

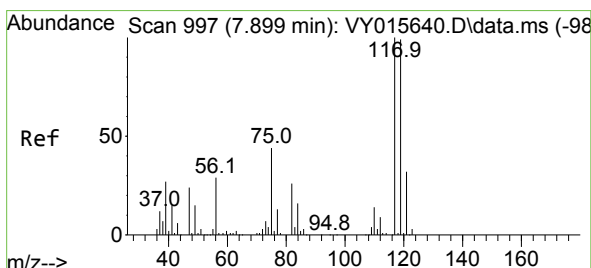
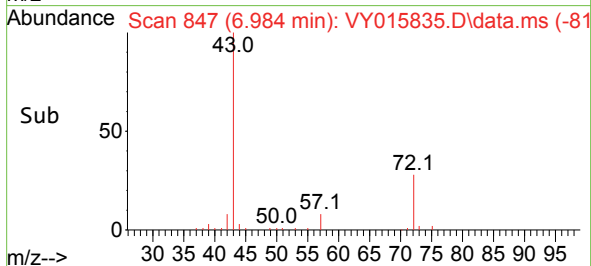
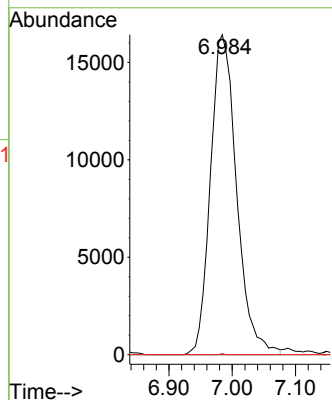
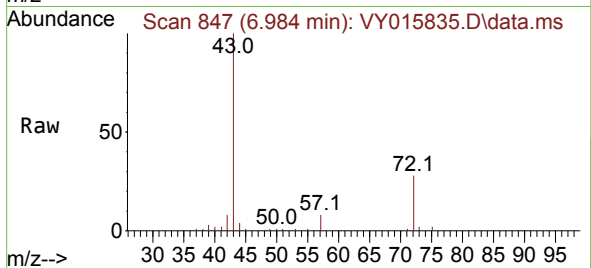
Acq: 04 Oct 2023 18:12

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	43	Resp:	47207
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 6.292 ug/l

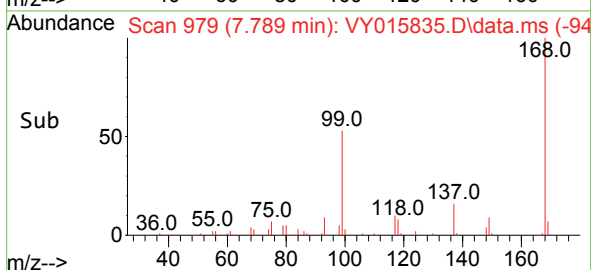
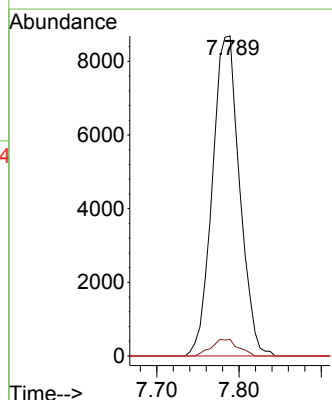
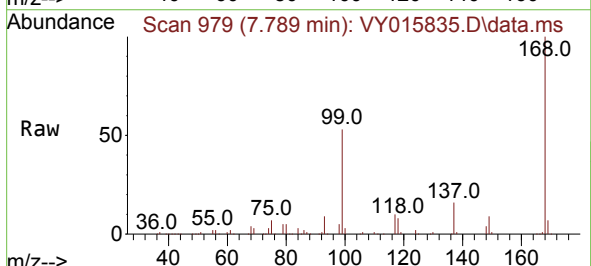
RT: 7.789 min Scan# 979

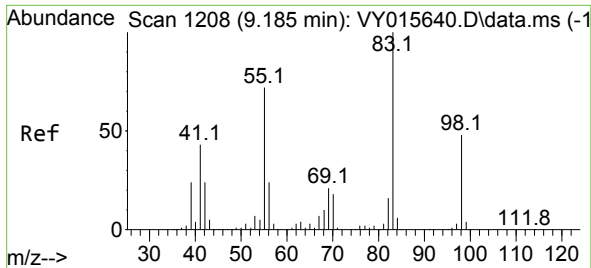
Delta R.T. -0.104 min

Lab File: VY015835.D

Acq: 04 Oct 2023 18:12

Tgt Ion:	117	Resp:	20018
Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.4	114.6#
121	0.0	25.8	38.6#





#39

Methylcyclohexane

Concen: 1.225 ug/l

RT: 9.179 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015835.D

Acq: 04 Oct 2023 18:12

Instrument :

MSVOA_Y

ClientSampleId :

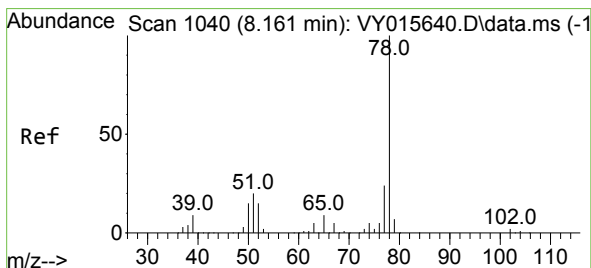
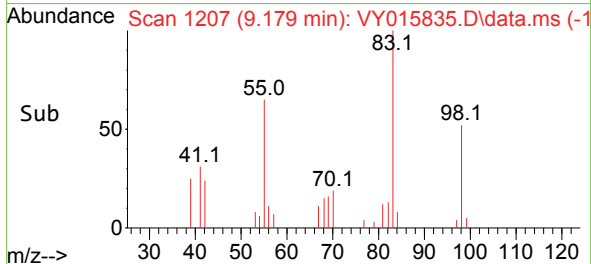
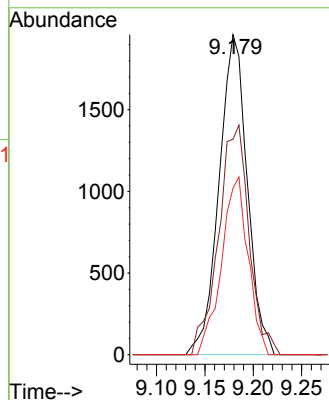
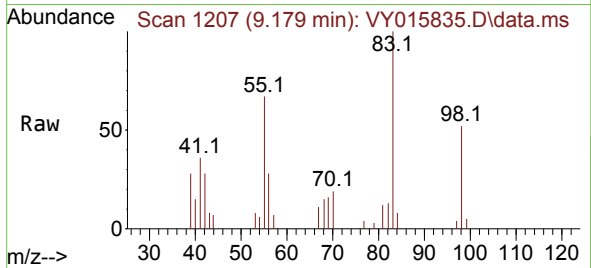
Tgt Ion: 83 Resp: 3971

Ion Ratio Lower Upper

83 100

55 67.3 63.0 94.4

98 52.0 37.4 56.2



#40

Benzene

Concen: 2.679 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. 0.012 min

Lab File: VY015835.D

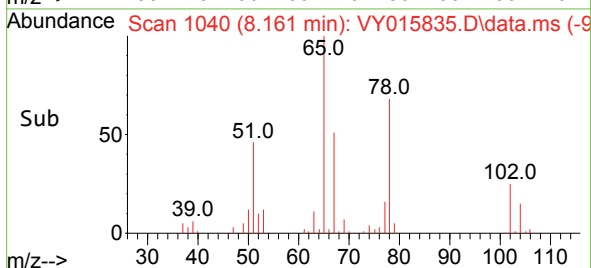
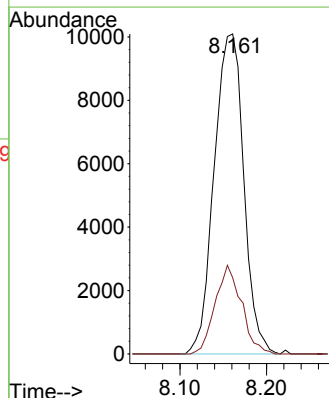
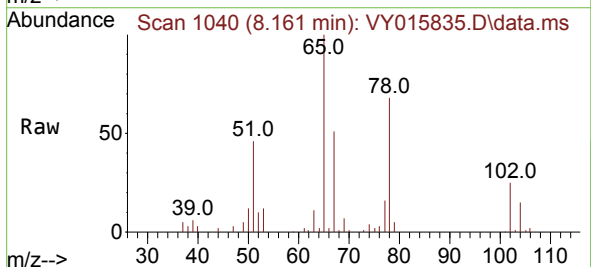
Acq: 04 Oct 2023 18:12

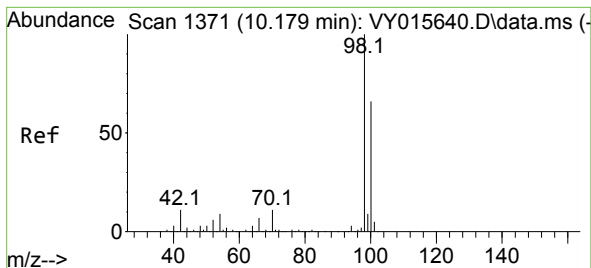
Tgt Ion: 78 Resp: 23951

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6

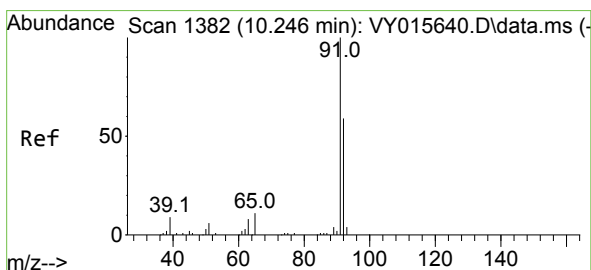
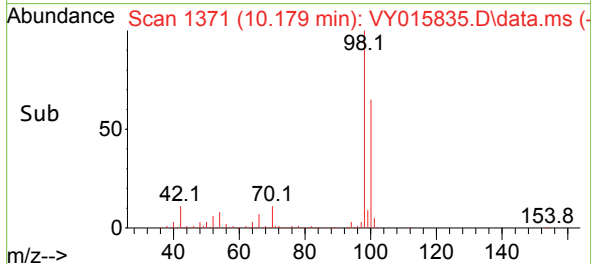
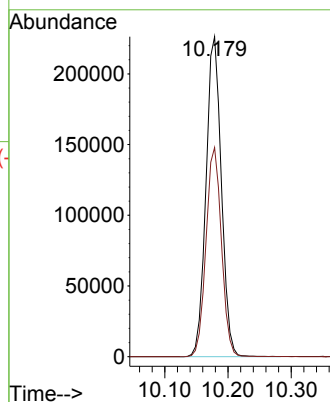
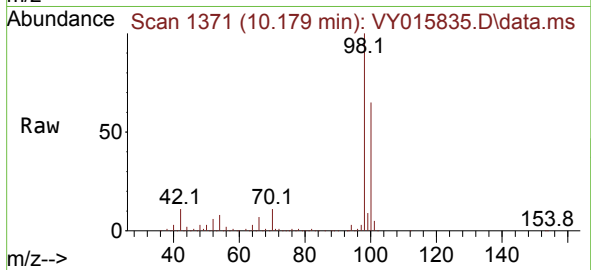




#50
Toluene-d8
Concen: 56.843 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

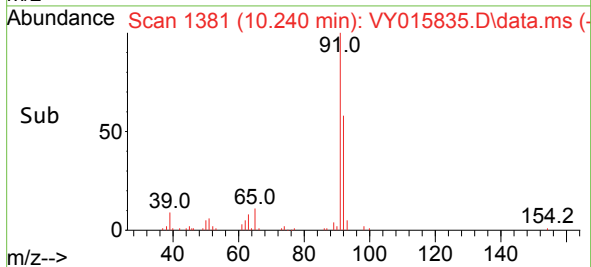
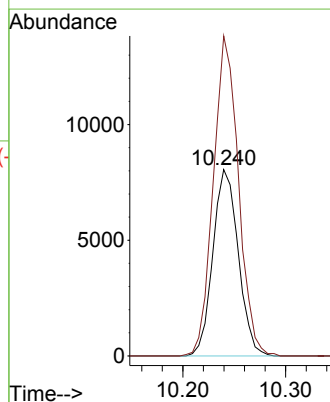
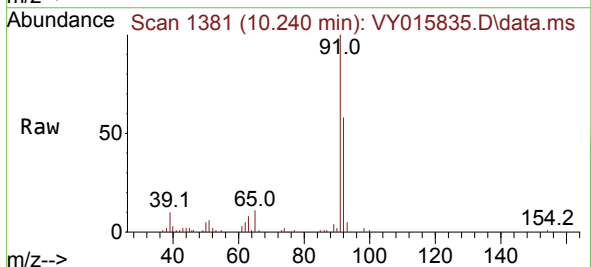
Instrument :
MSVOA_Y
ClientSampleId :

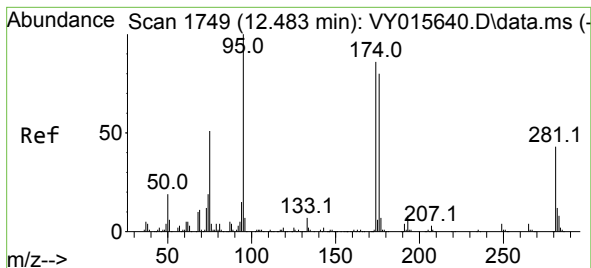
Tgt Ion: 98 Resp: 382089
Ion Ratio Lower Upper
98 100
100 65.7 50.1 75.1



#52
Toluene
Concen: 2.393 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Tgt Ion: 92 Resp: 13790
Ion Ratio Lower Upper
92 100
91 170.2 143.8 215.6

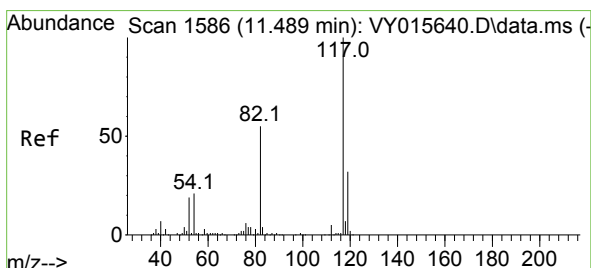
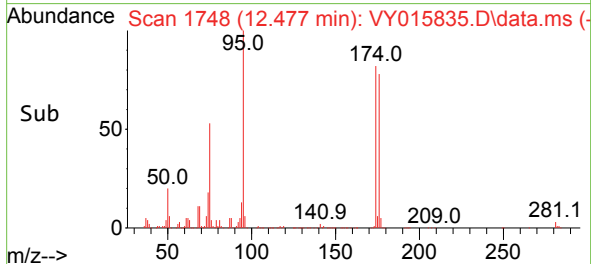
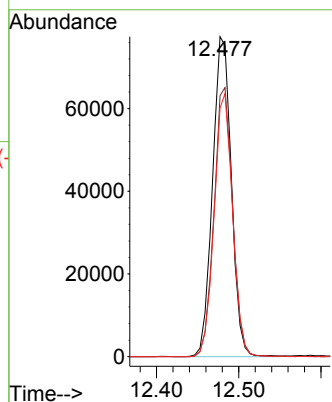
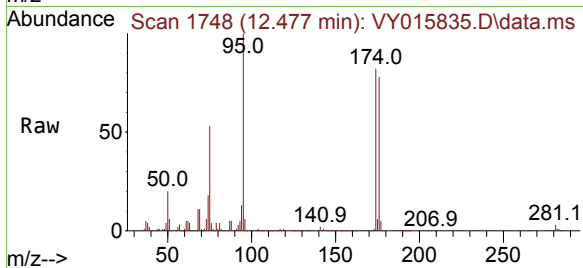




#62
4-Bromofluorobenzene
Concen: 46.571 ug/l
RT: 12.477 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

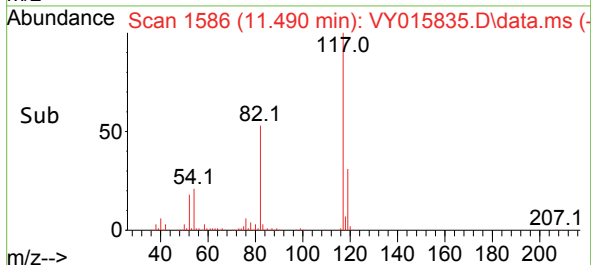
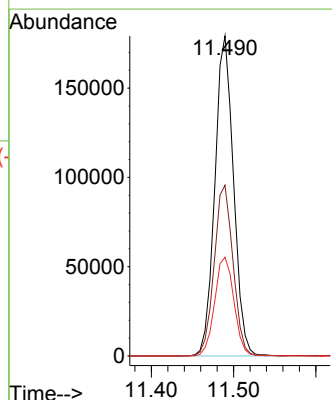
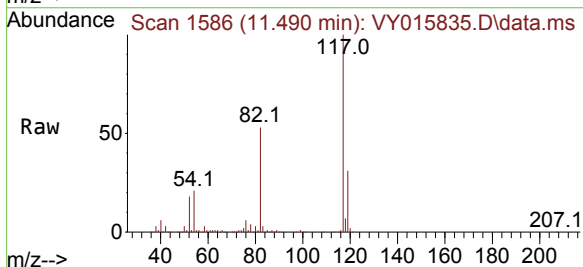
Instrument :
MSVOA_Y
ClientSampleId :

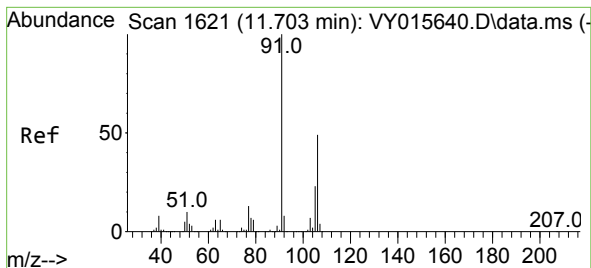
Tgt Ion: 95 Resp: 122847
Ion Ratio Lower Upper
95 100
174 83.6 0.0 178.2
176 80.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Tgt Ion: 117 Resp: 282980
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 30.9 26.3 39.5

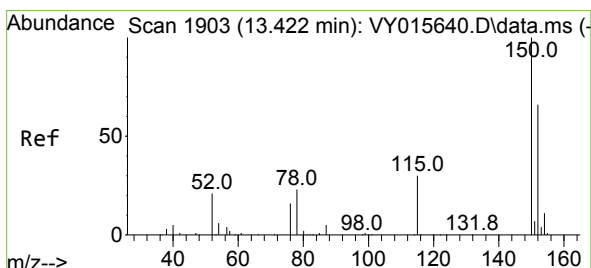
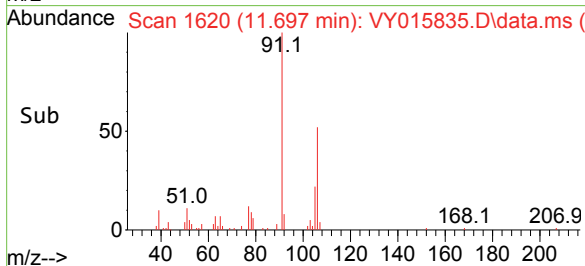
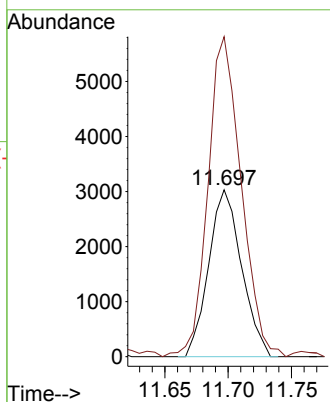
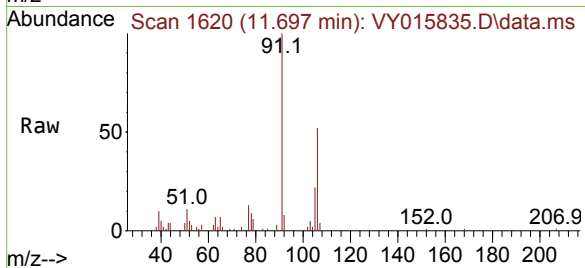




#68
m/p-Xylenes
Concen: 1.336 ug/l
RT: 11.697 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

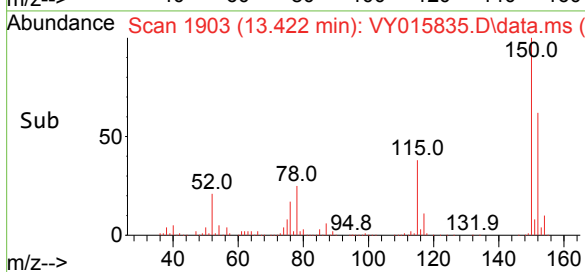
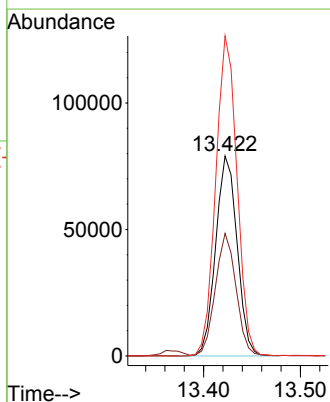
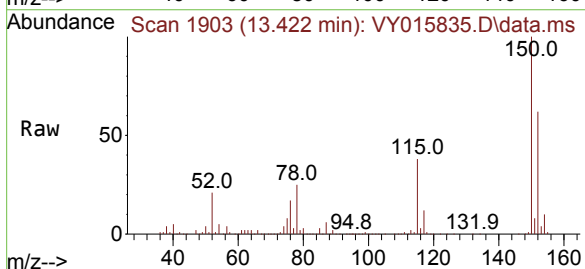
Instrument :
MSVOA_Y
ClientSampleId :

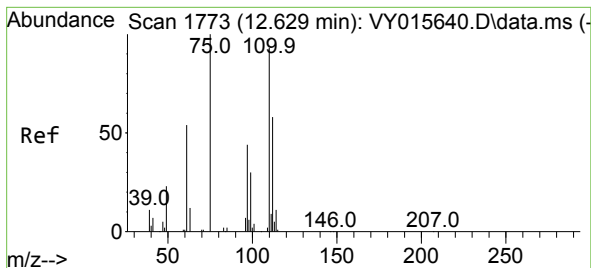
Tgt Ion:106 Resp: 5481
Ion Ratio Lower Upper
106 100
91 193.5 166.1 249.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Tgt Ion:152 Resp: 121583
Ion Ratio Lower Upper
152 100
115 59.1 28.8 86.5
150 158.6 0.0 348.8

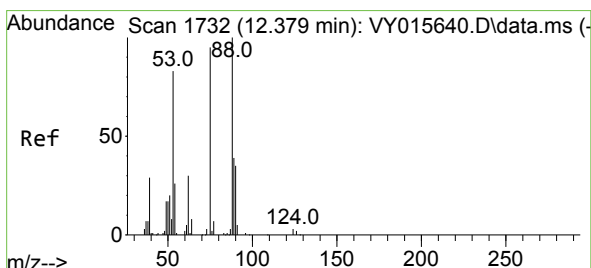
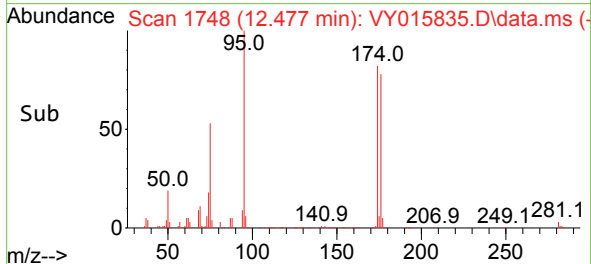
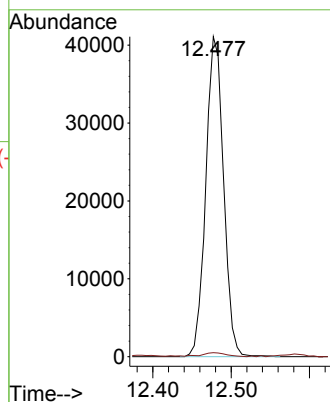
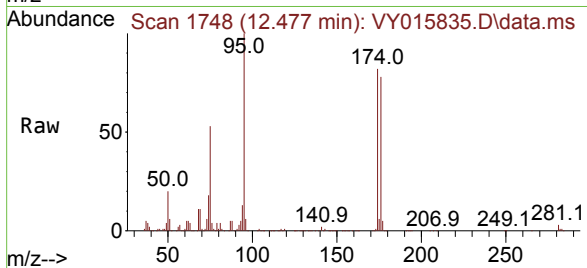




#76
1,2,3-Trichloropropane
Concen: 33.328 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

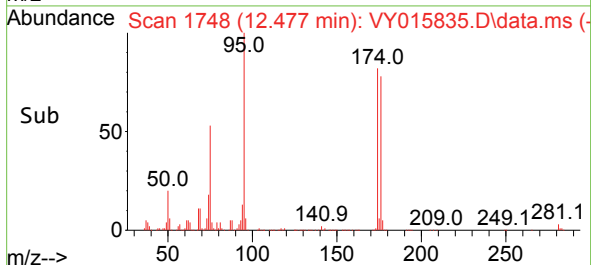
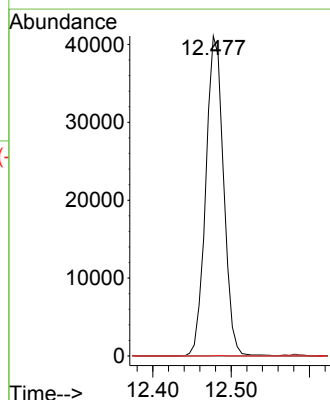
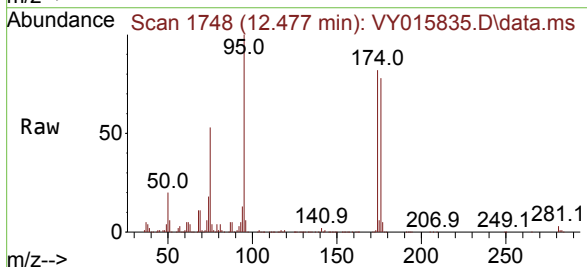
Instrument :
MSVOA_Y
ClientSampleId :

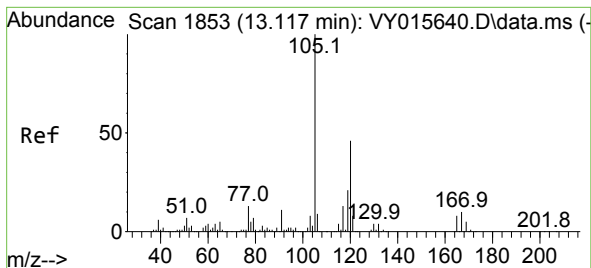
Tgt Ion: 75 Resp: 64644
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.050 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY015835.D
Acq: 04 Oct 2023 18:12

Tgt Ion: 75 Resp: 64644
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.335 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY015835.D

Acq: 04 Oct 2023 18:12

Instrument :

MSVOA_Y

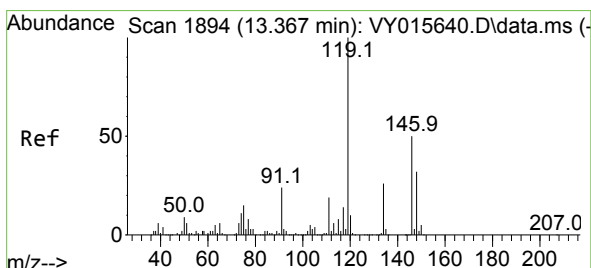
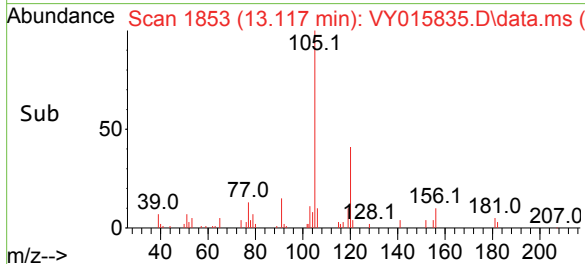
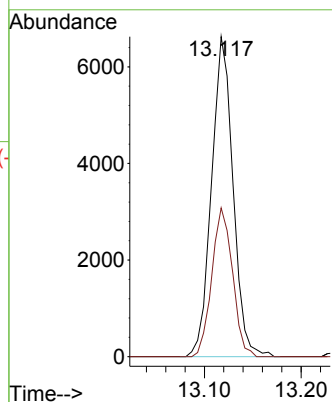
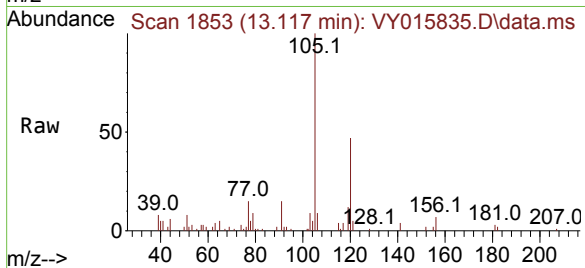
ClientSampleId :

Tgt Ion:105 Resp: 10203

Ion Ratio Lower Upper

105 100

120 44.7 22.2 66.6



#86

p-Isopropyltoluene

Concen: 4.685 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY015835.D

Acq: 04 Oct 2023 18:12

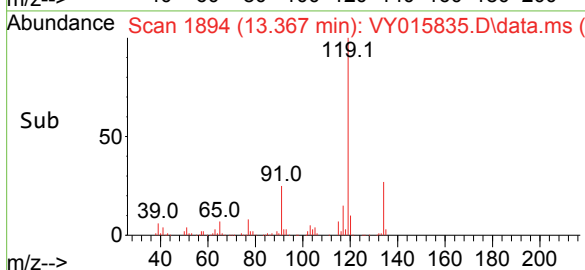
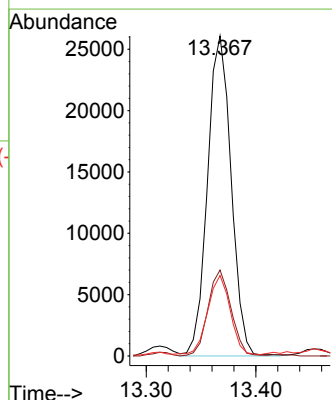
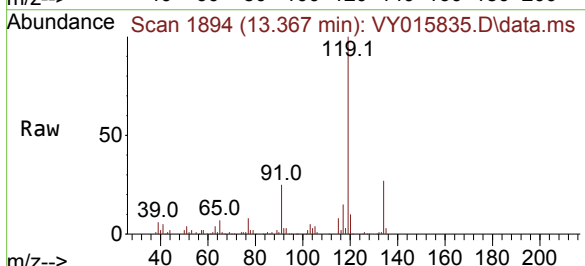
Tgt Ion:119 Resp: 39166

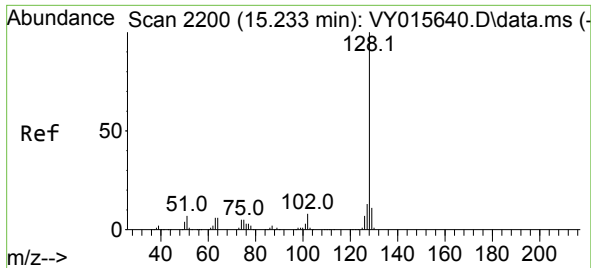
Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

91 23.6 12.4 37.4





#95

Naphthalene

Concen: 28.627 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

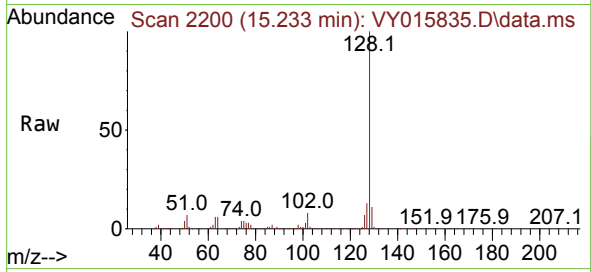
Lab File: VY015835.D

Acq: 04 Oct 2023 18:12

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 192679

Ion Ratio Lower Upper

128 100

127 13.0 10.8 16.2

129 11.6 8.6 13.0

