

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007935.D
 Acq On : 19 Mar 2022 05:33
 Operator : SY/MD
 Sample : N1958-15
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-15-14-15

Quant Time: Mar 21 03:20:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

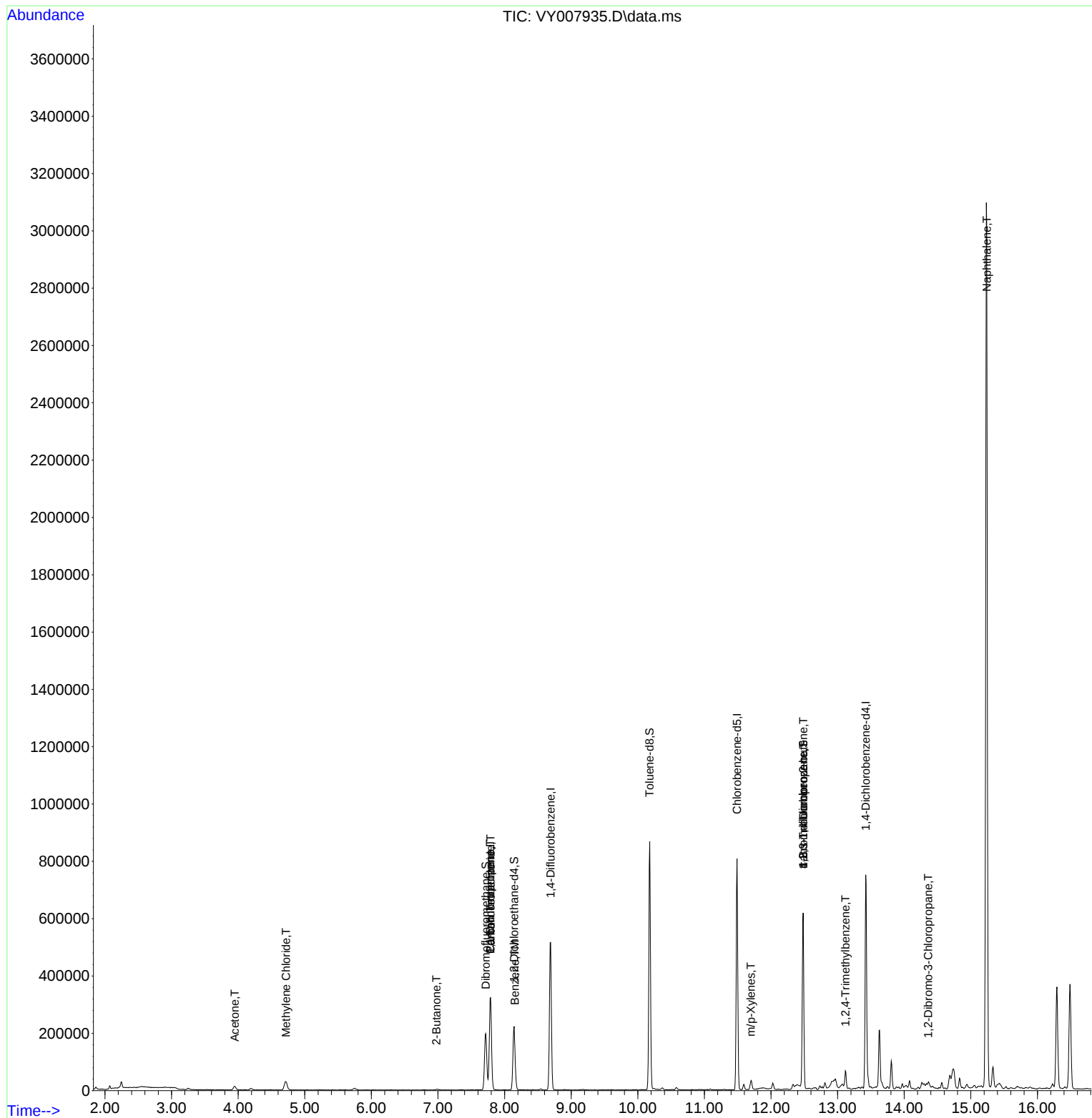
Internal Standards						
1) Pentafluorobenzene	7.789	168	242741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	458311	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	419688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	182767	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	154809	55.934	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.860%
35) Dibromofluoromethane	7.716	113	141863	44.075	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.140%
50) Toluene-d8	10.179	98	559404	58.565	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	117.120%
62) 4-Bromofluorobenzene	12.483	95	197438	42.741	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.480%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	113	Below Cal	#	43
3) Chloromethane	2.113	50	748	Below Cal		96
4) Vinyl Chloride	2.247	62	477	Below Cal	#	43
5) Bromomethane	2.662	94	374	Below Cal	#	55
16) Acetone	3.948	43	22818	31.077	ug/l	96
17) Carbon Disulfide	4.198	76	10194	Below Cal	#	94
18) Methyl Acetate	4.473	43	397	Below Cal	#	56
20) Methylene Chloride	4.716	84	22468	3.600	ug/l	84
25) 2-Butanone	6.978	43	2647	2.251	ug/l	92
31) Cyclohexane	7.783	56	5758	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	20748	4.346	ug/l #	51
38) Carbon Tetrachloride	7.789	117	25682	5.034	ug/l #	15
39) Methylcyclohexane	9.191	83	788	Below Cal	#	91
40) Benzene	8.155	78	23240	1.666	ug/l	92
68) m/p-Xylenes	11.697	106	9875	1.414	ug/l	92
76) 1,2,3-Trichloropropane	12.483	75	102672	39.413	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	102672	82.783	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.117	105	28731	2.215	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	857	1.439	ug/l #	6
95) Naphthalene	15.239	128	2549718	279.932	ug/l	98

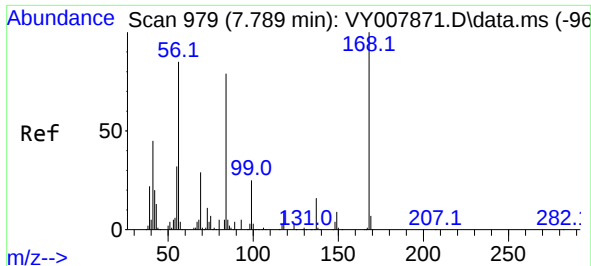
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
C-15-14-15

Quant Time: Mar 21 03:20:50 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 17 13:55:34 2022
Response via : Initial Calibration

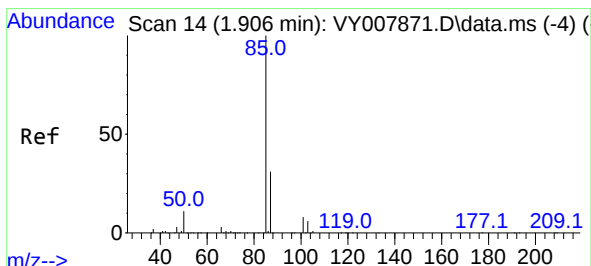
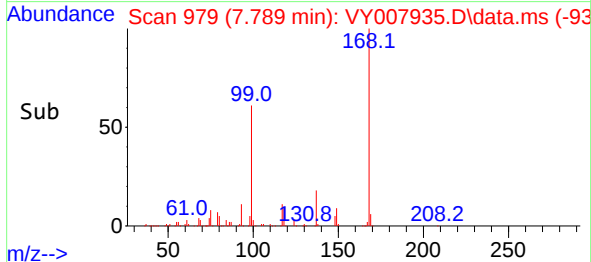
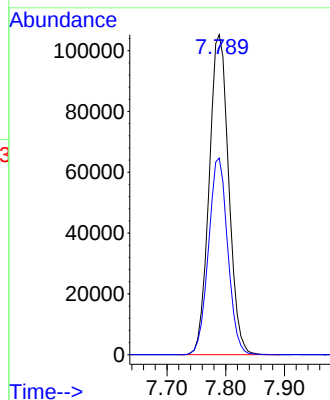
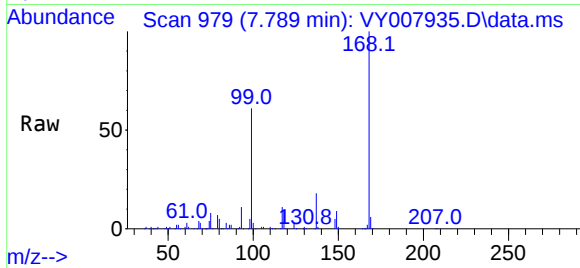




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007935.D
Acq: 19 Mar 2022 05:33

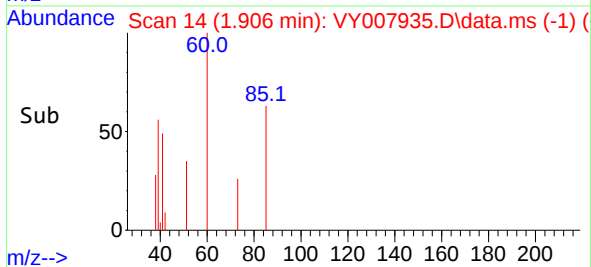
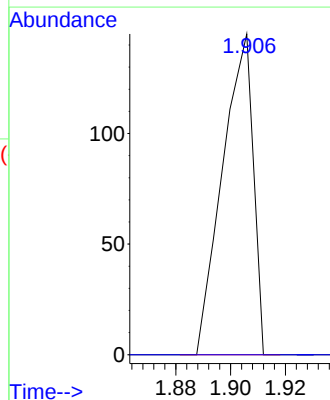
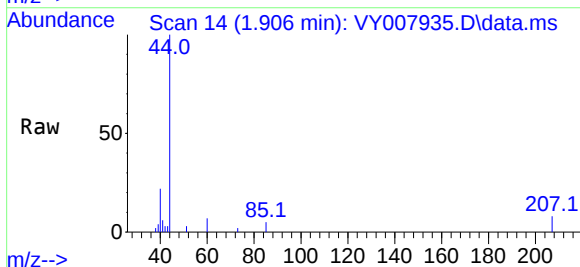
Instrument :
MSVOA_Y
ClientSampleId :
C-15-14-15

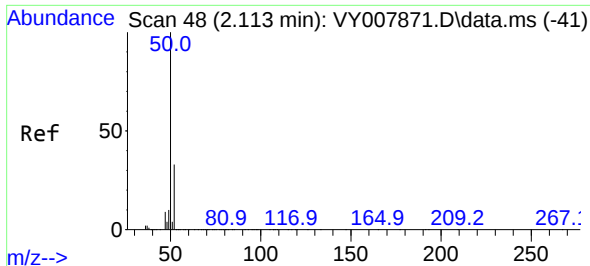
Tgt Ion:168 Resp: 242741
Ion Ratio Lower Upper
168 100
99 61.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY007935.D
Acq: 19 Mar 2022 05:33

Tgt Ion: 85 Resp: 113
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

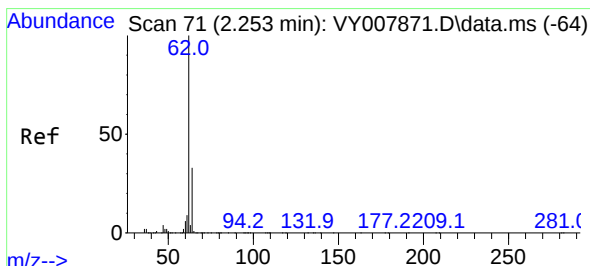
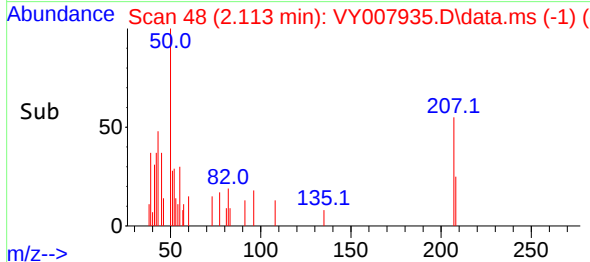
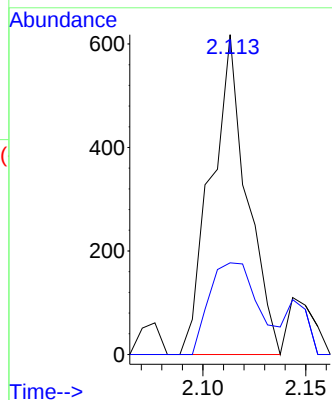
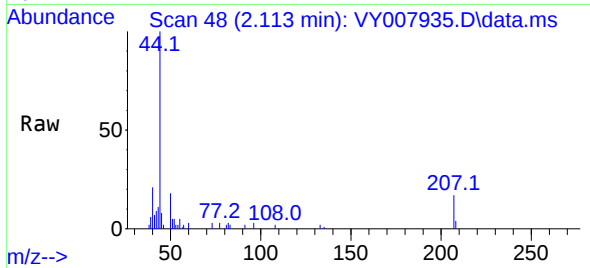




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007935.D
Acq: 19 Mar 2022 05:33

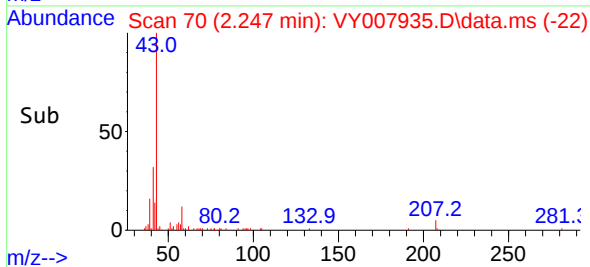
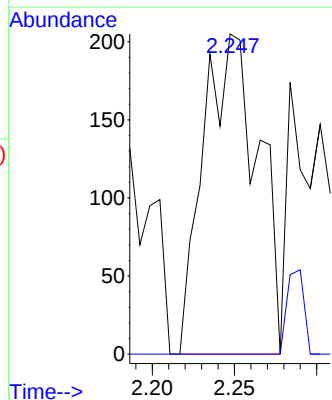
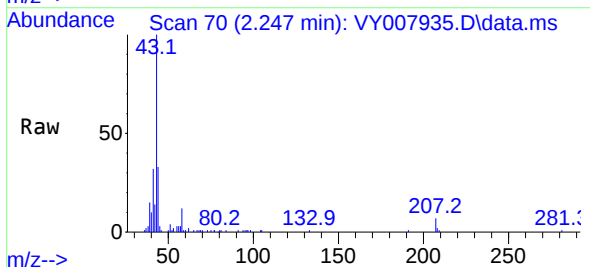
Instrument :
MSVOA_Y
ClientSampleId :
C-15-14-15

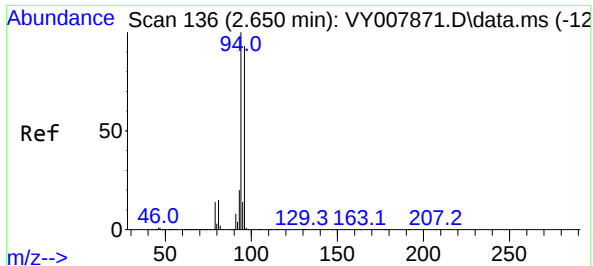
Tgt Ion: 50 Resp: 748
Ion Ratio Lower Upper
50 100
52 28.6 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. -0.006 min
Lab File: VY007935.D
Acq: 19 Mar 2022 05:33

Tgt Ion: 62 Resp: 477
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

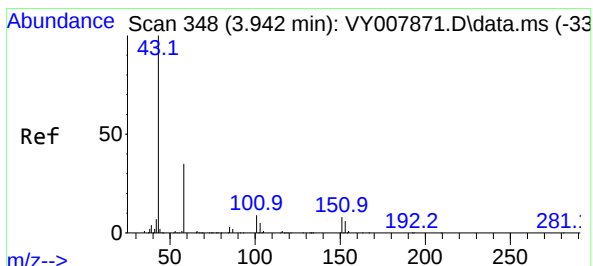
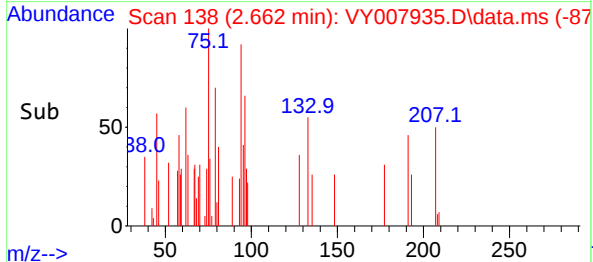
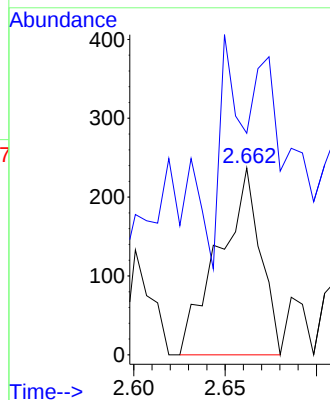
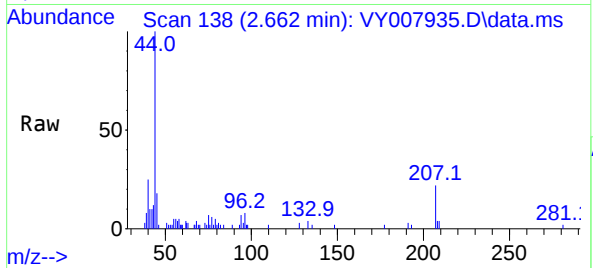




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY007935.D
Acq: 19 Mar 2022 05:33

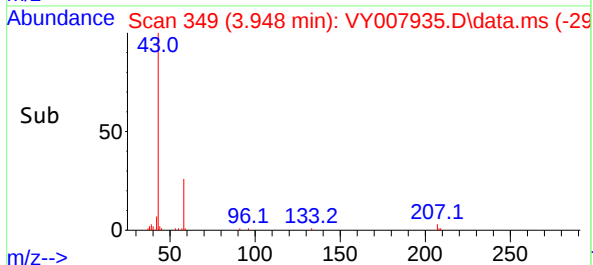
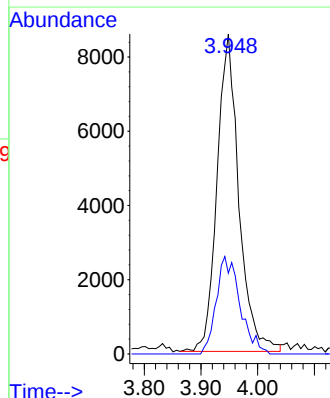
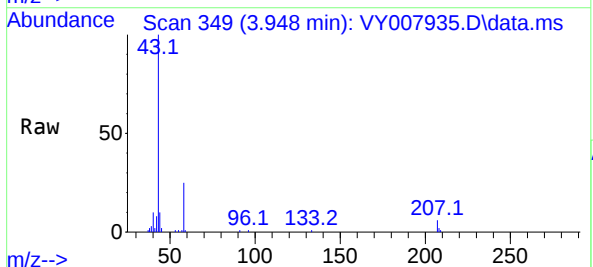
Instrument :
MSVOA_Y
ClientSampleId :
C-15-14-15

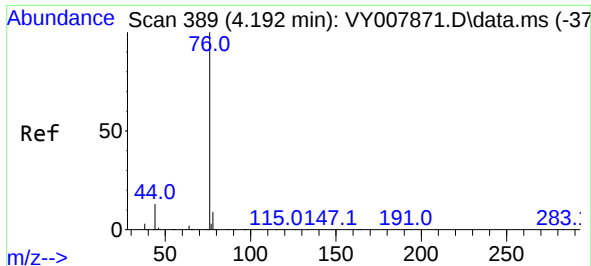
Tgt Ion: 94 Resp: 374
Ion Ratio Lower Upper
94 100
96 49.4 73.5 110.3#



#16
Acetone
Concen: 31.077 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY007935.D
Acq: 19 Mar 2022 05:33

Tgt Ion: 43 Resp: 22818
Ion Ratio Lower Upper
43 100
58 25.5 22.0 33.0

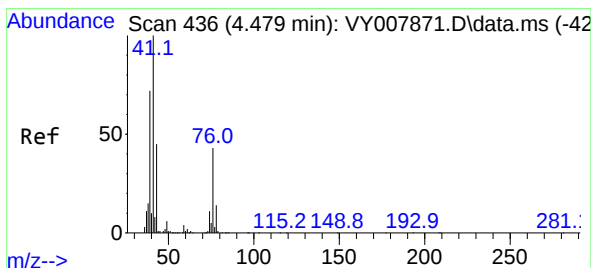
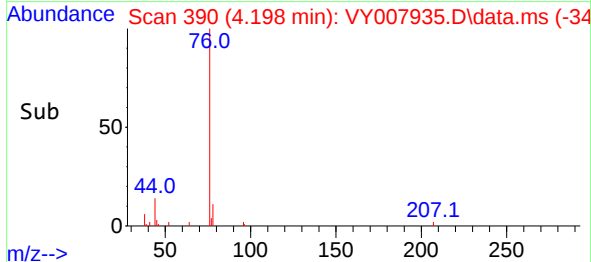
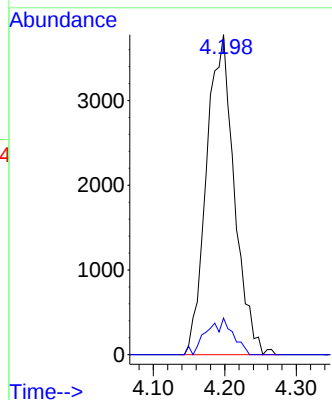
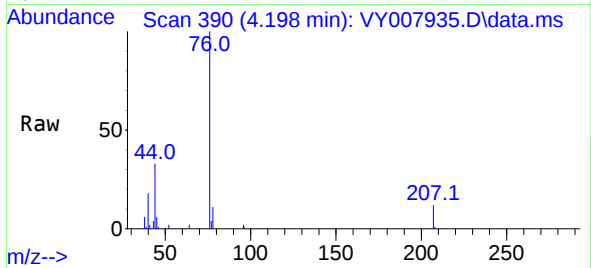




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY007935.D
Acq: 19 Mar 2022 05:33

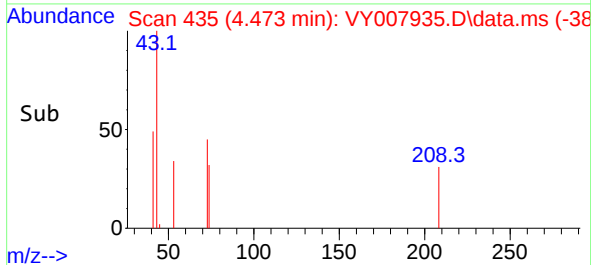
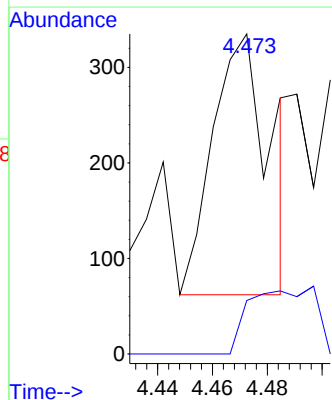
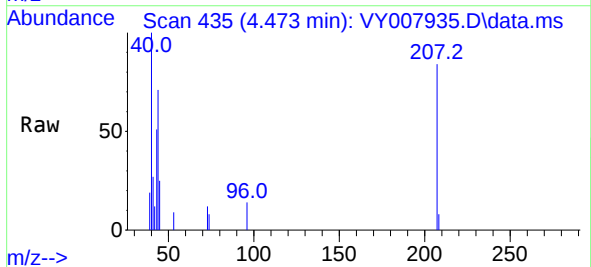
Instrument :
MSVOA_Y
ClientSampleId :
C-15-14-15

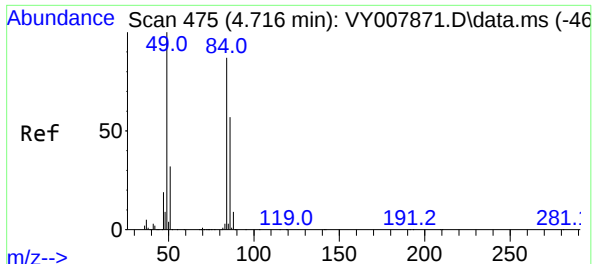
Tgt Ion: 76 Resp: 10194
Ion Ratio Lower Upper
76 100
78 11.4 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.473 min Scan# 435
Delta R.T. -0.000 min
Lab File: VY007935.D
Acq: 19 Mar 2022 05:33

Tgt Ion: 43 Resp: 397
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



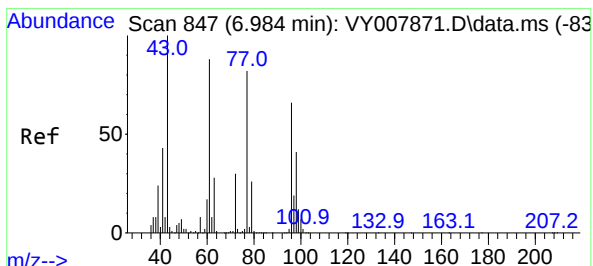
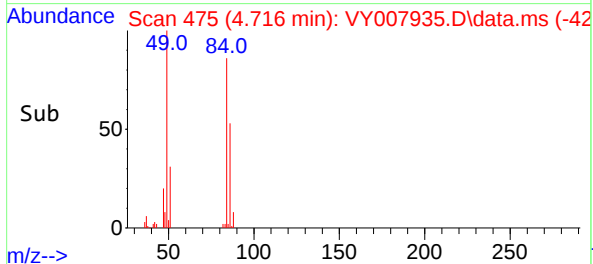
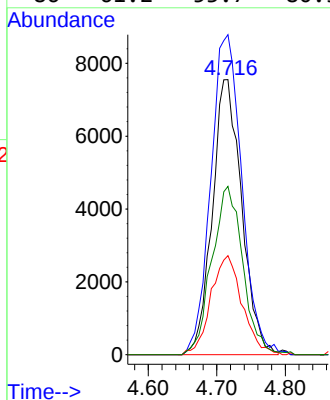
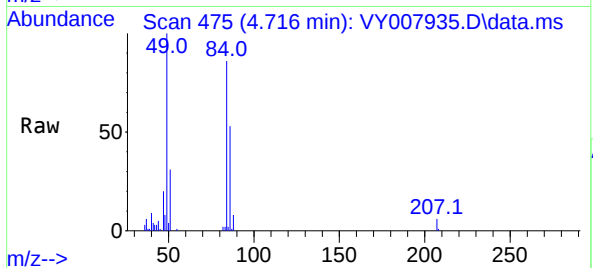


#20
Methylene Chloride
Concen: 3.600 ug/l
RT: 4.716 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007935.D
Acq: 19 Mar 2022 05:33

Instrument :
MSVOA_Y
ClientSampleId :
C-15-14-15

Tgt Ion: 84 Resp: 22468

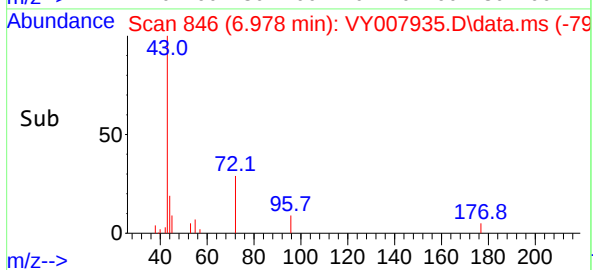
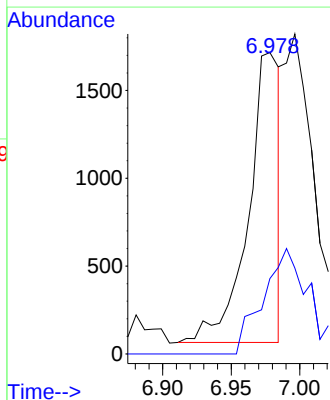
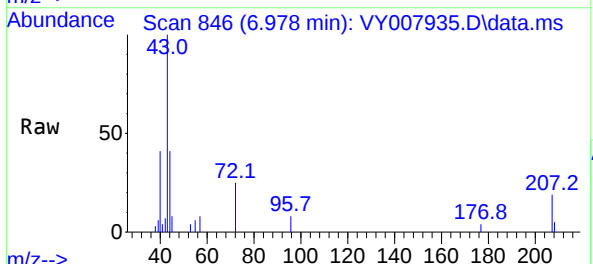
Ion	Ratio	Lower	Upper
84	100		
49	116.4	114.4	171.6
51	36.0	35.3	52.9
86	61.2	53.7	80.5

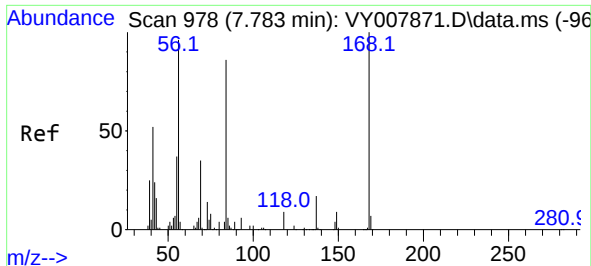


#25
2-Butanone
Concen: 2.251 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY007935.D
Acq: 19 Mar 2022 05:33

Tgt Ion: 43 Resp: 2647

Ion	Ratio	Lower	Upper
43	100		
72	26.0	17.7	26.5

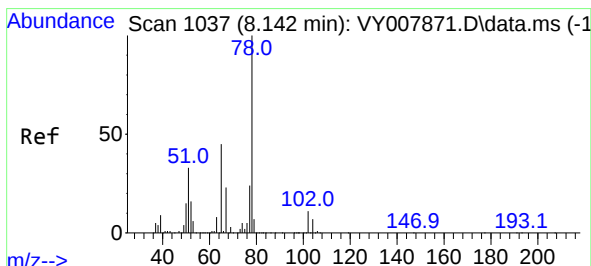
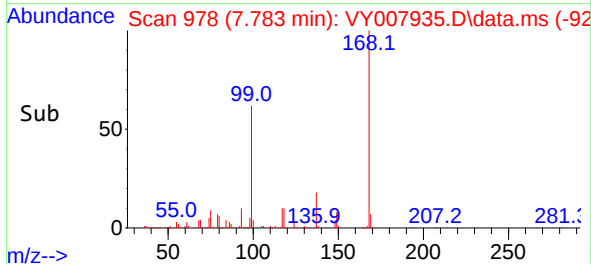
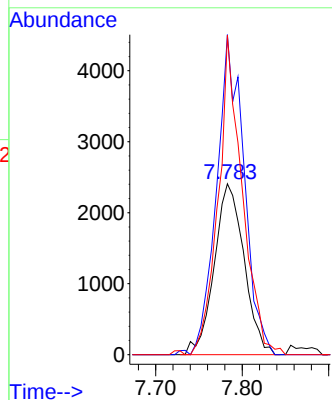
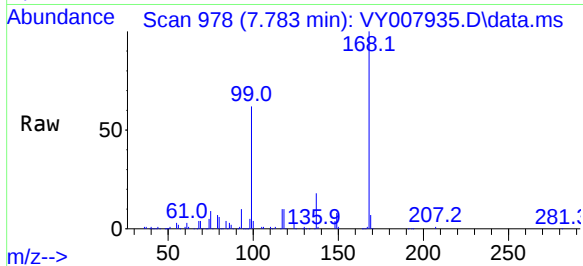




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007935.D
Acq: 19 Mar 2022 05:33

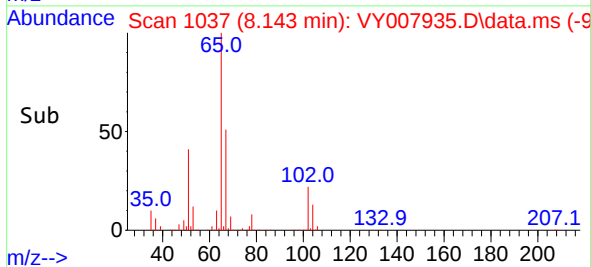
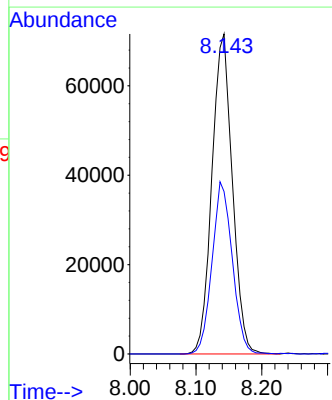
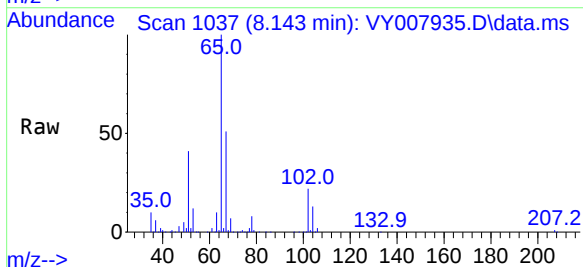
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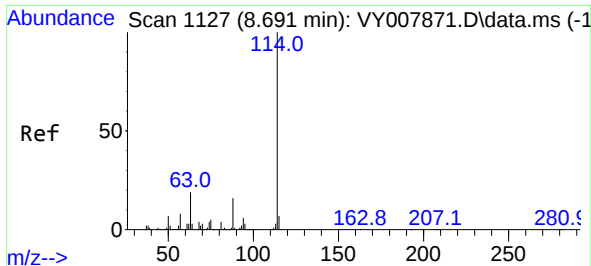
Tgt Ion: 56 Resp: 5758
Ion Ratio Lower Upper
56 100
69 187.3 26.7 40.1#
84 184.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 55.934 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY007935.D
Acq: 19 Mar 2022 05:33

Tgt Ion: 65 Resp: 154809
Ion Ratio Lower Upper
65 100
67 53.3 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007935.D

Acq: 19 Mar 2022 05:33

Instrument :

MSVOA_Y

ClientSampleId :

C-15-14-15

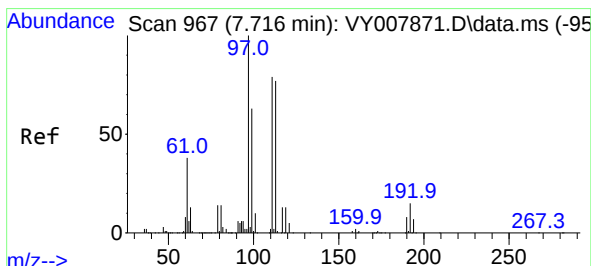
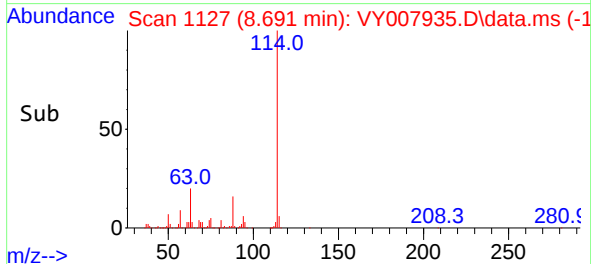
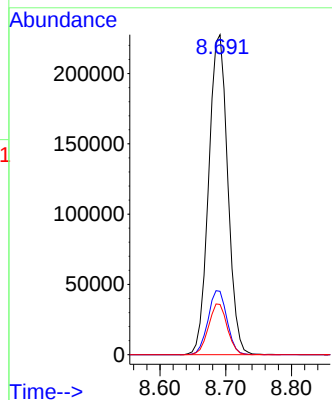
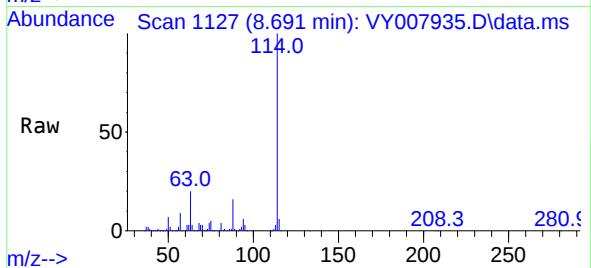
Tgt Ion:114 Resp: 458311

Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

88 15.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 44.075 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY007935.D

Acq: 19 Mar 2022 05:33

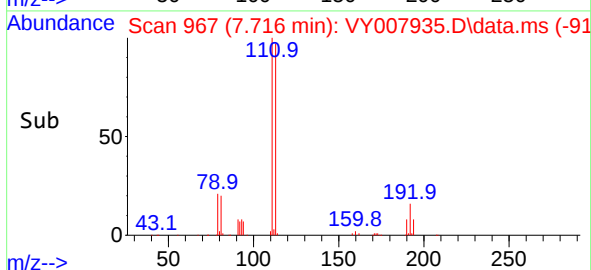
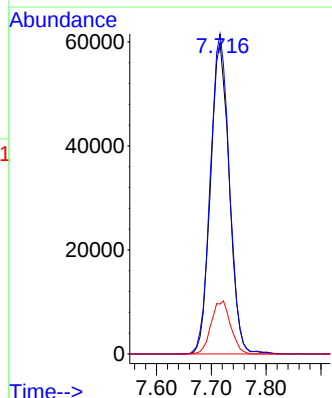
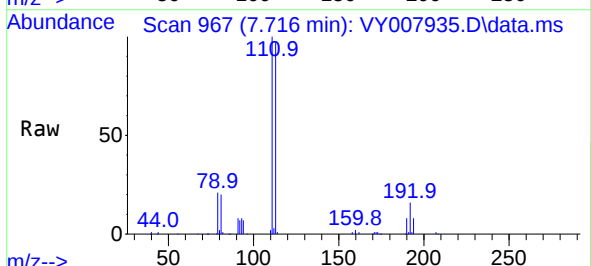
Tgt Ion:113 Resp: 141863

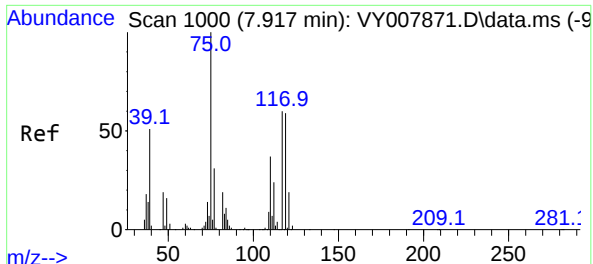
Ion Ratio Lower Upper

113 100

111 104.3 82.6 124.0

192 17.6 17.6 26.4

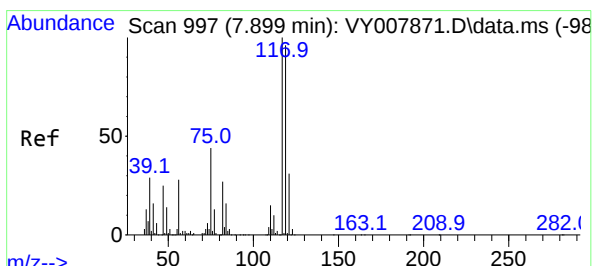
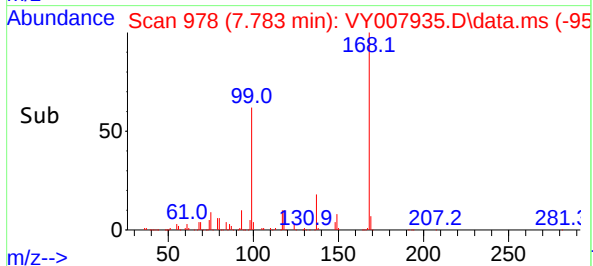
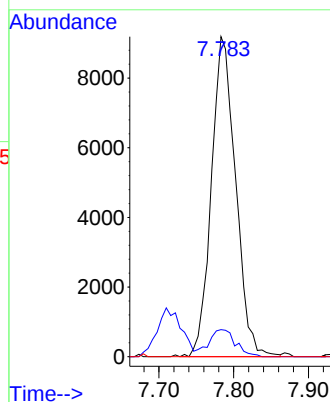
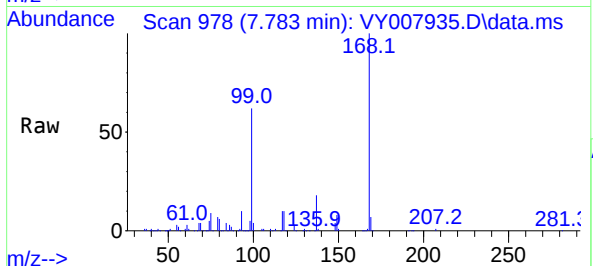




#36
1,1-Dichloropropene
Concen: 4.346 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY007935.D
Acq: 19 Mar 2022 05:33

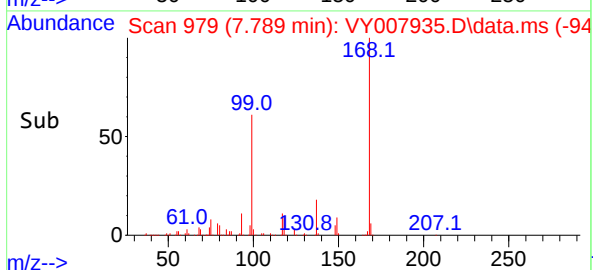
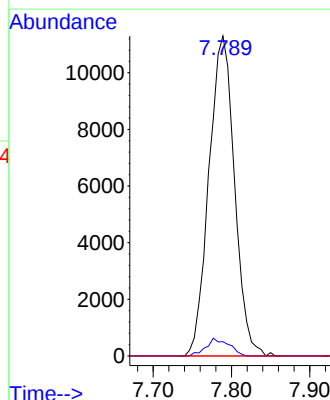
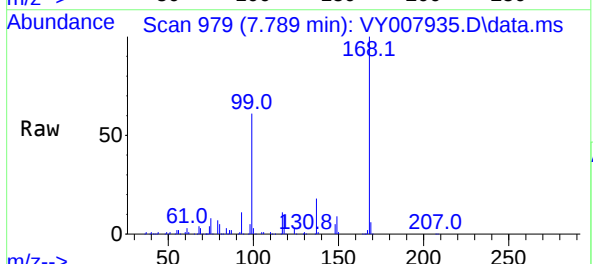
Instrument :
MSVOA_Y
ClientSampleId :
C-15-14-15

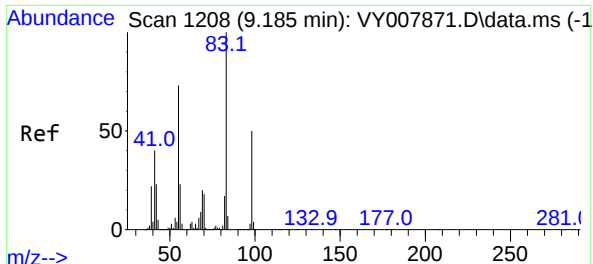
Tgt Ion: 75 Resp: 20748
Ion Ratio Lower Upper
75 100
110 9.1 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.034 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY007935.D
Acq: 19 Mar 2022 05:33

Tgt Ion: 117 Resp: 25682
Ion Ratio Lower Upper
117 100
119 4.5 77.9 116.9#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: Below Cal

RT: 9.191 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY007935.D

Acq: 19 Mar 2022 05:33

Instrument :

MSVOA_Y

ClientSampleId :

C-15-14-15

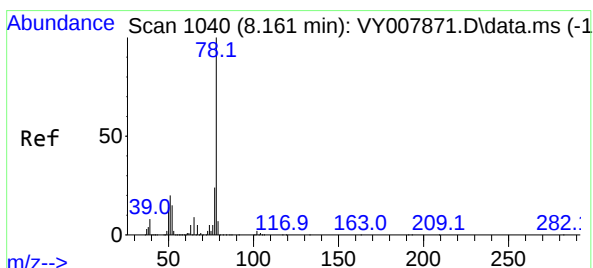
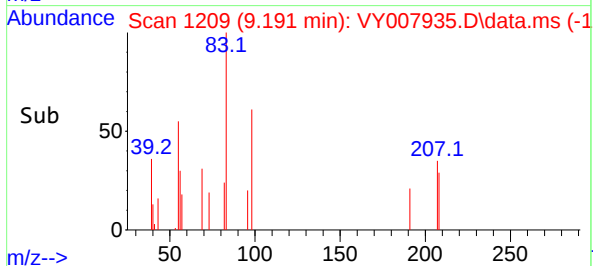
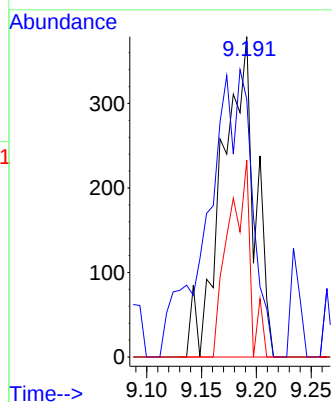
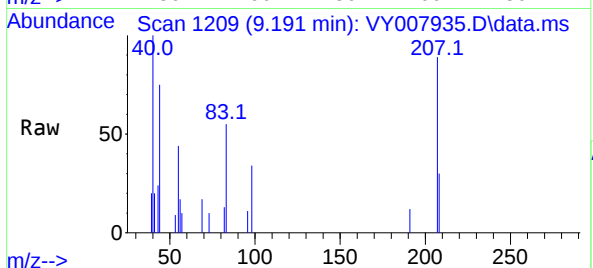
Tgt Ion: 83 Resp: 788

Ion Ratio Lower Upper

83 100

55 80.5 66.5 99.7

98 61.5 37.9 56.9#



#40

Benzene

Concen: 1.666 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY007935.D

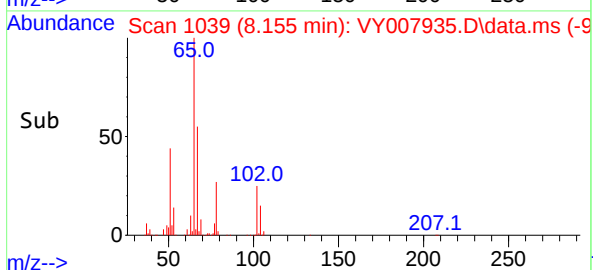
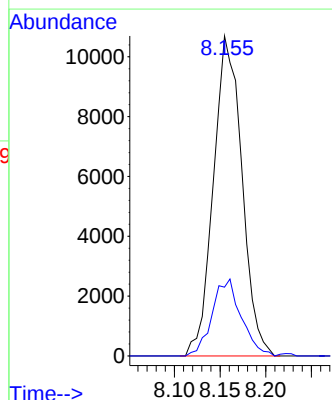
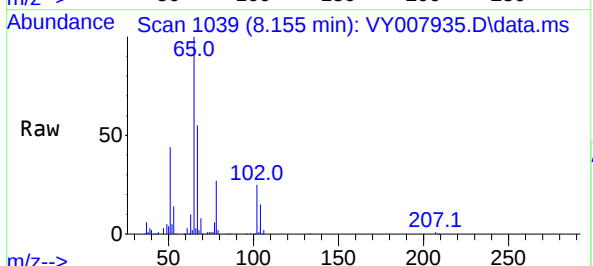
Acq: 19 Mar 2022 05:33

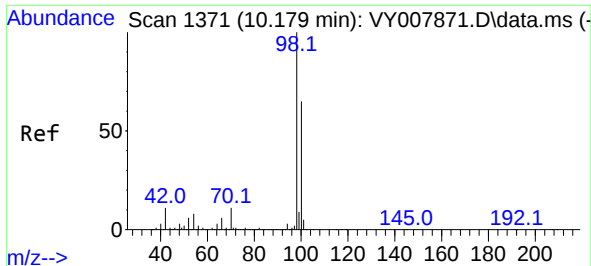
Tgt Ion: 78 Resp: 23240

Ion Ratio Lower Upper

78 100

77 21.5 20.4 30.6

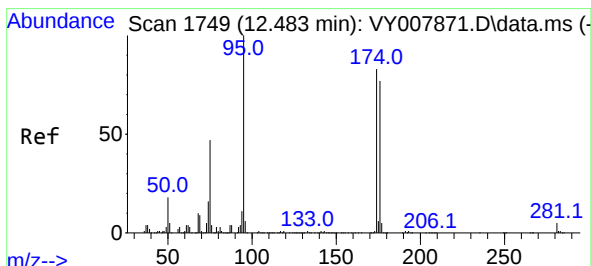
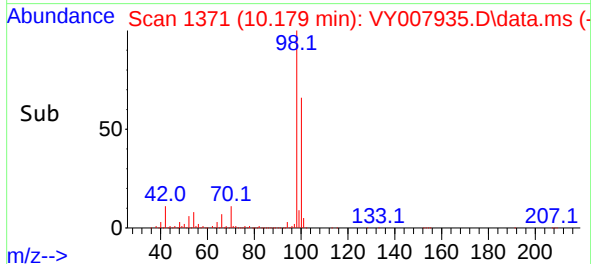
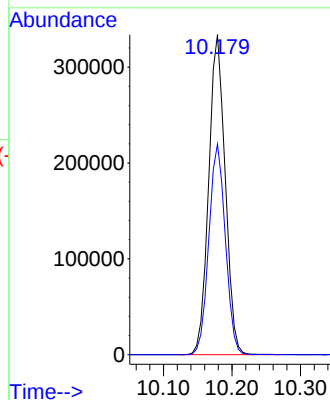
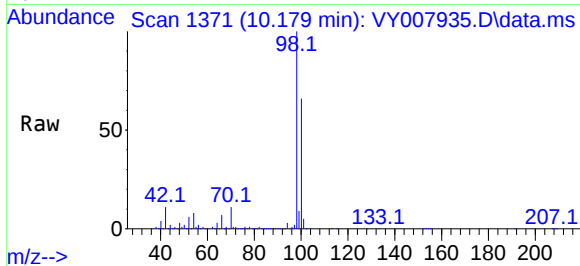




#50
Toluene-d8
Concen: 58.565 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007935.D
Acq: 19 Mar 2022 05:33

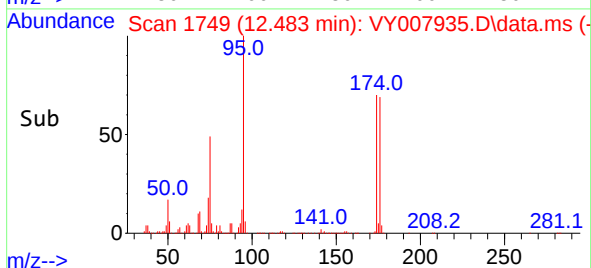
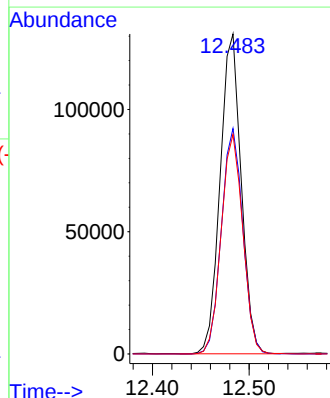
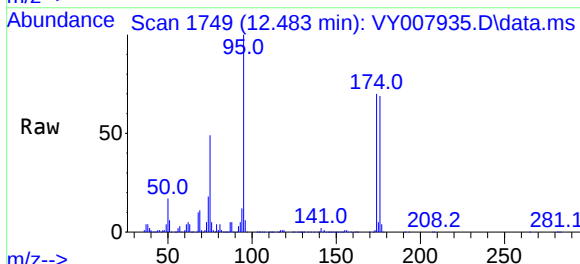
Instrument :
MSVOA_Y
ClientSampleId :
C-15-14-15

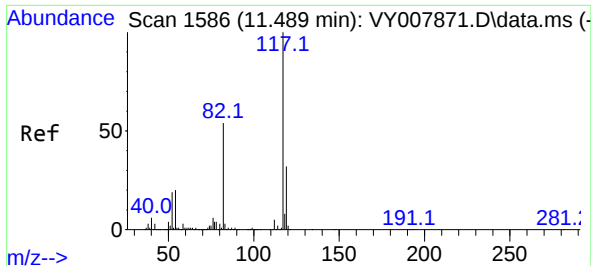
Tgt Ion: 98 Resp: 559404
Ion Ratio Lower Upper
98 100
100 65.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 42.741 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007935.D
Acq: 19 Mar 2022 05:33

Tgt Ion: 95 Resp: 197438
Ion Ratio Lower Upper
95 100
174 71.7 0.0 177.0
176 70.4 0.0 175.8

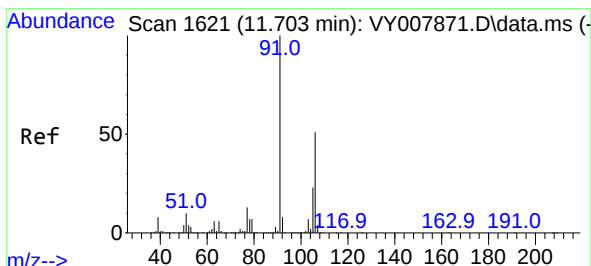
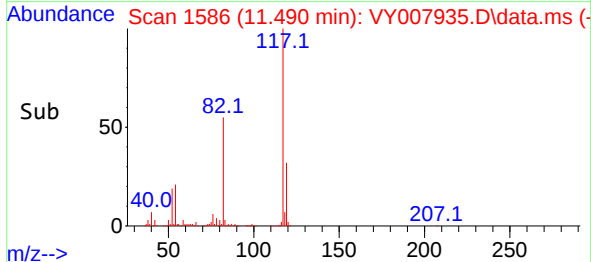
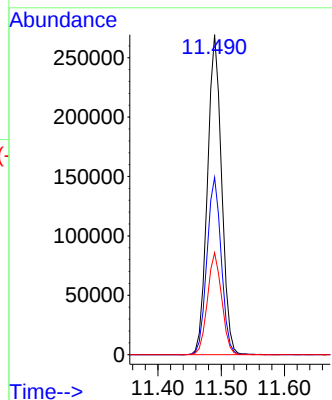
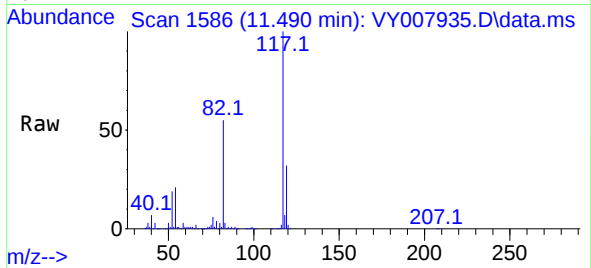




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY007935.D
Acq: 19 Mar 2022 05:33

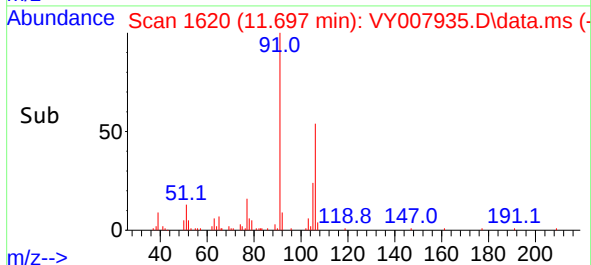
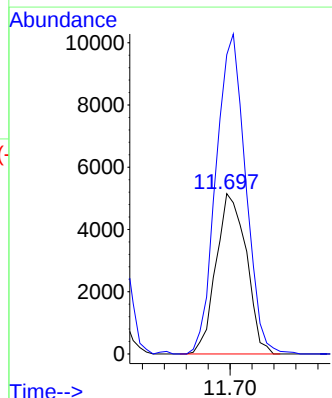
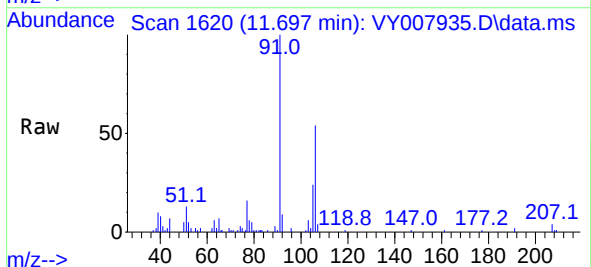
Instrument :
MSVOA_Y
ClientSampleId :
C-15-14-15

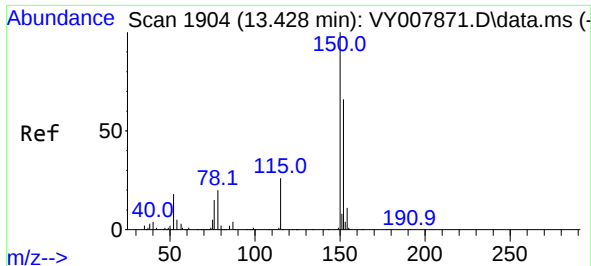
Tgt Ion:117 Resp: 419688
Ion Ratio Lower Upper
117 100
82 55.4 43.0 64.4
119 31.9 25.4 38.0



#68
m/p-Xylenes
Concen: 1.414 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY007935.D
Acq: 19 Mar 2022 05:33

Tgt Ion:106 Resp: 9875
Ion Ratio Lower Upper
106 100
91 195.6 166.6 249.8

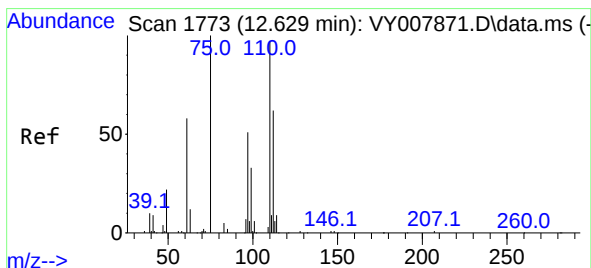
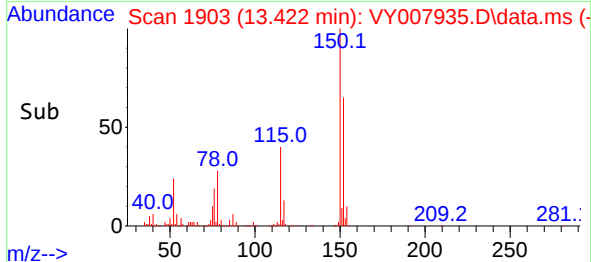
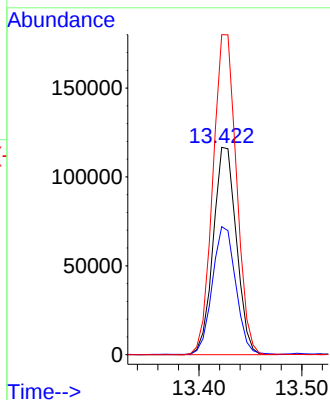
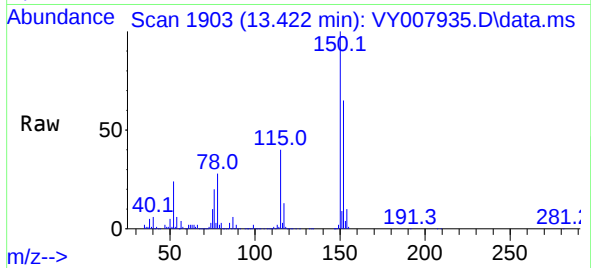




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY007935.D
 Acq: 19 Mar 2022 05:33

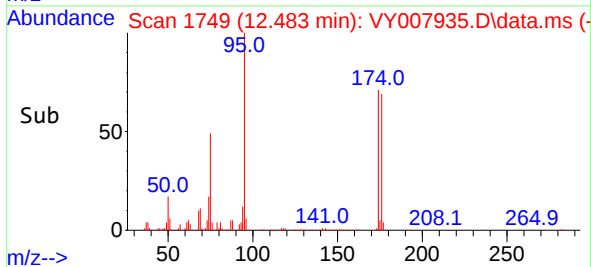
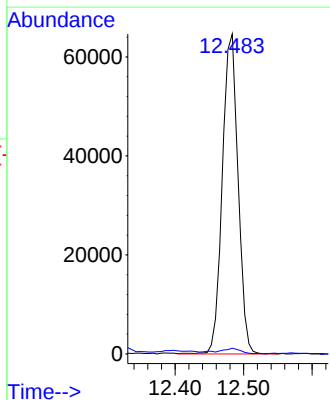
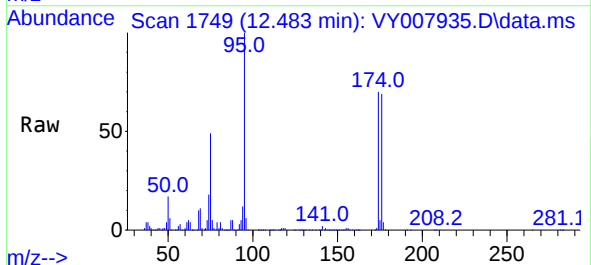
Instrument :
 MSVOA_Y
 ClientSampleId :
 C-15-14-15

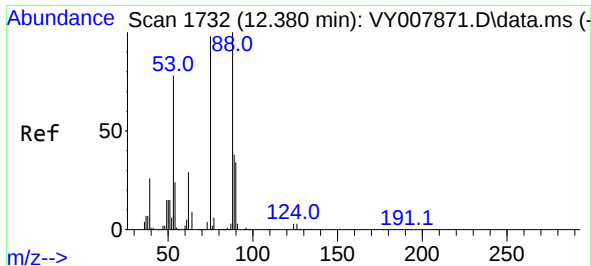
Tgt Ion:152 Resp: 182767
 Ion Ratio Lower Upper
 152 100
 115 62.2 28.2 84.7
 150 156.8 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 39.413 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY007935.D
 Acq: 19 Mar 2022 05:33

Tgt Ion: 75 Resp: 102672
 Ion Ratio Lower Upper
 75 100
 77 2.1 0.0 0.0#

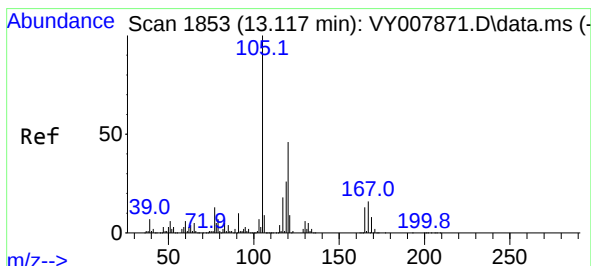
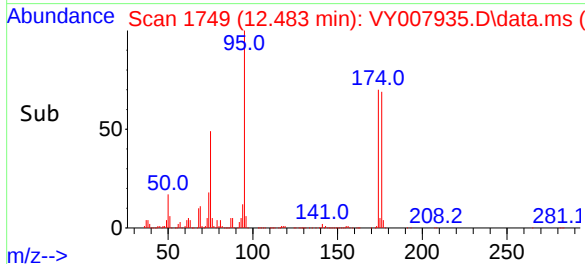
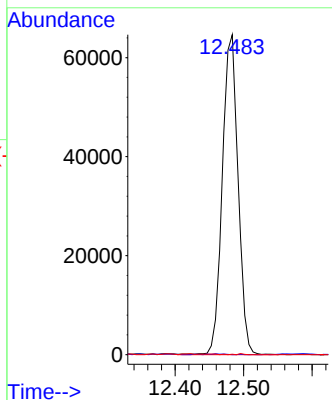
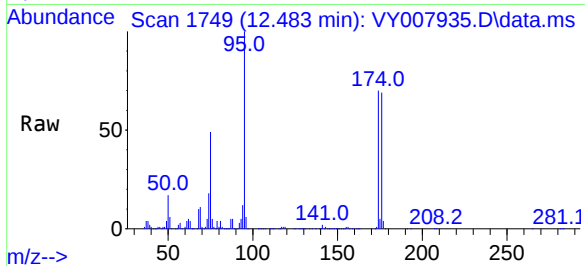




#81
trans-1,4-Dichloro-2-butene
Concen: 82.783 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007935.D
Acq: 19 Mar 2022 05:33

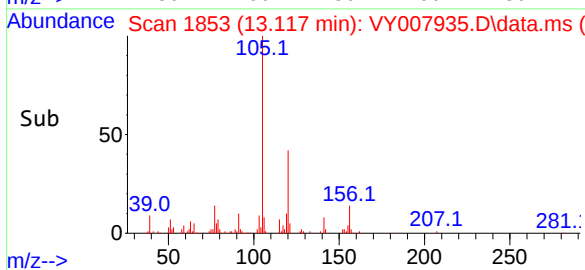
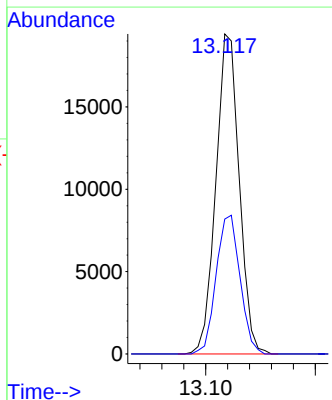
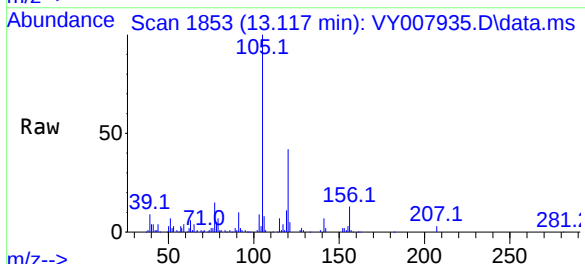
Instrument :
MSVOA_Y
ClientSampleId :
C-15-14-15

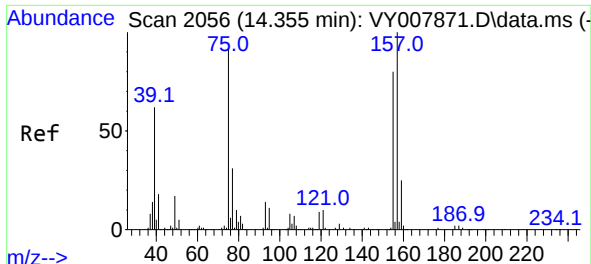
Tgt Ion: 75 Resp: 102672
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 2.215 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY007935.D
Acq: 19 Mar 2022 05:33

Tgt Ion:105 Resp: 28731
Ion Ratio Lower Upper
105 100
120 44.3 22.3 66.9

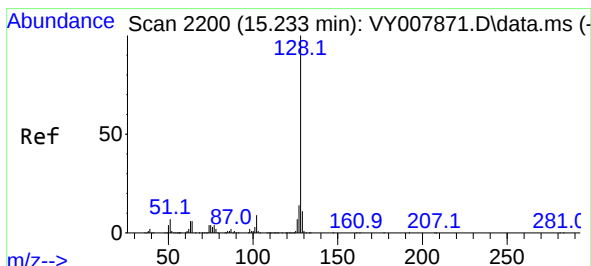
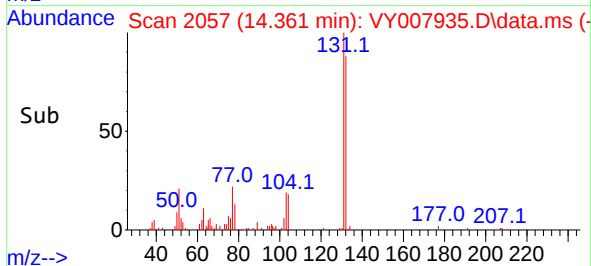
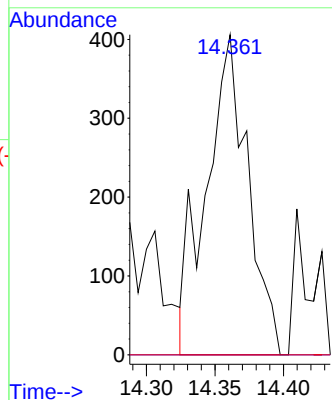
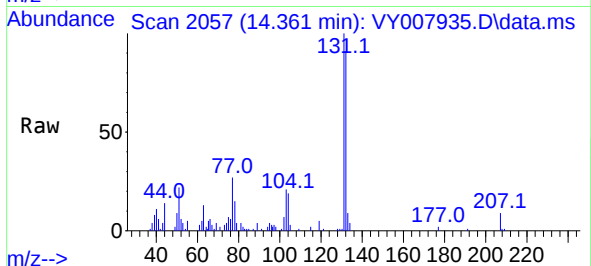




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.439 ug/l
RT: 14.361 min Scan# 2056
Delta R.T. 0.006 min
Lab File: VY007935.D
Acq: 19 Mar 2022 05:33

Instrument :
MSVOA_Y
ClientSampleId :
C-15-14-15

Tgt Ion: 75 Resp: 857
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 0.0 47.8 143.3#



#95
Naphthalene
Concen: 279.932 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY007935.D
Acq: 19 Mar 2022 05:33

Tgt Ion: 128 Resp: 2549718
Ion Ratio Lower Upper
128 100
127 12.9 11.0 16.4
129 11.0 8.4 12.6

