

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
 Data File : VY007962.D
 Acq On : 21 Mar 2022 18:09
 Operator : SY/MD
 Sample : N1974-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G-5-11-25-26

Quant Time: Mar 22 03:41:00 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)

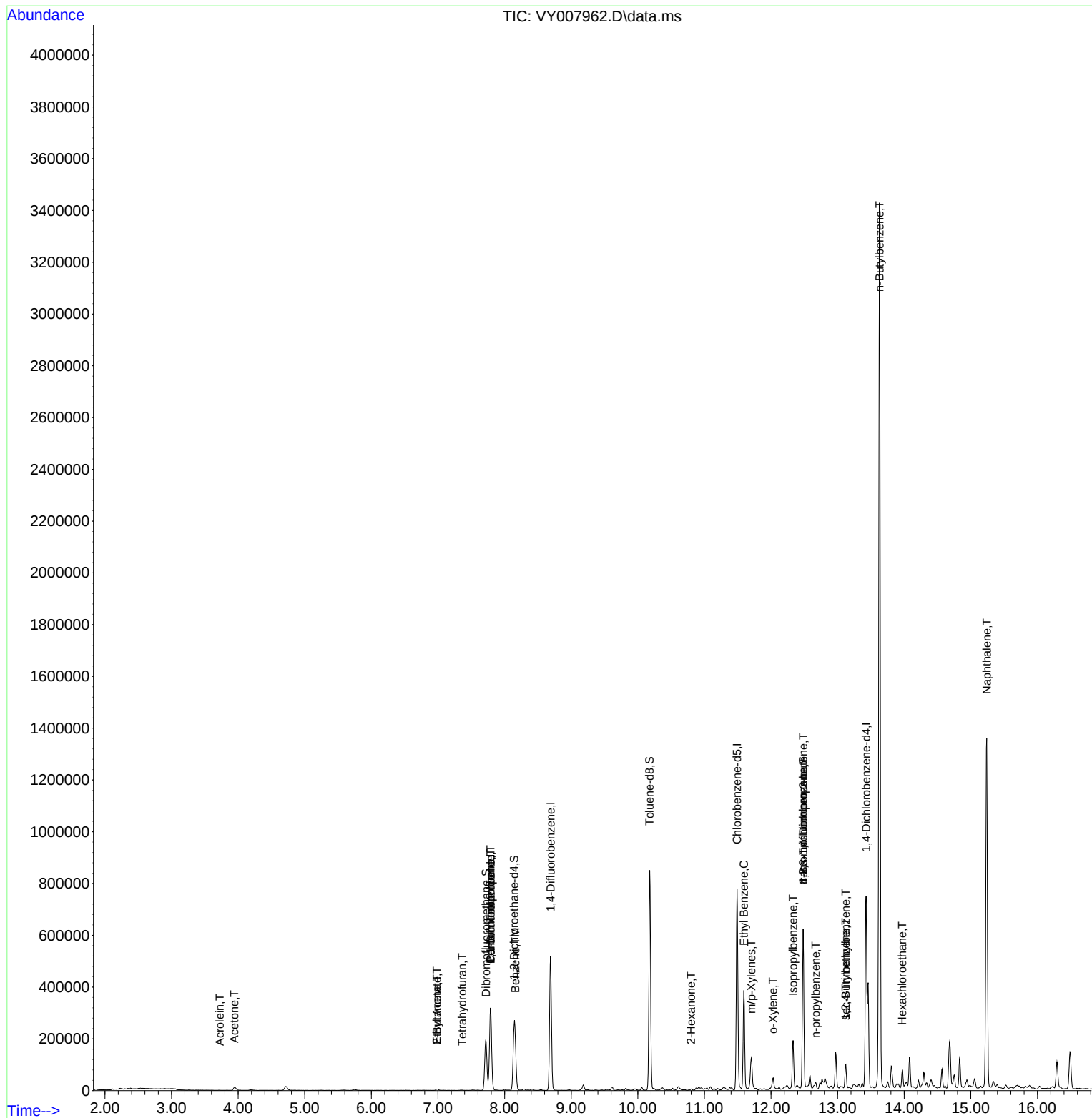
Internal Standards						
1) Pentafluorobenzene	7.789	168	233040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	440207	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	414079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	182509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	152628	57.442	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.880%			
35) Dibromofluoromethane	7.722	113	137906	44.607	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 89.220%			
50) Toluene-d8	10.179	98	545790	59.591	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 119.180%			
62) 4-Bromofluorobenzene	12.483	95	192231	43.325	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.660%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	146	Below Cal		79
3) Chloromethane	2.113	50	1123	Below Cal	#	86
4) Vinyl Chloride	2.278	62	76	Below Cal	#	43
5) Bromomethane	2.650	94	295	Below Cal	#	4
13) Acrolein	3.723	56	223	1.196	ug/l #	1
16) Acetone	3.942	43	22795	32.339	ug/l	93
17) Carbon Disulfide	4.192	76	4573	Below Cal	#	93
18) Methyl Acetate	4.466	43	297	Below Cal		96
20) Methylene Chloride	4.710	84	10956	Below Cal		85
25) 2-Butanone	6.984	43	9199	8.147	ug/l #	86
29) Tetrahydrofuran	7.362	42	843	1.165	ug/l #	42
31) Cyclohexane	7.783	56	6313	Below Cal	#	18
36) 1,1-Dichloropropene	7.789	75	20280	4.423	ug/l #	51
37) Ethyl Acetate	6.984	43	9199	3.288	ug/l #	72
38) Carbon Tetrachloride	7.789	117	25053	5.113	ug/l #	15
39) Methylcyclohexane	9.179	83	9215	Below Cal		88
40) Benzene	8.161	78	123218	9.196	ug/l	94
59) 2-Hexanone	10.801	43	2180	1.073	ug/l #	28
67) Ethyl Benzene	11.593	91	259617	14.693	ug/l	97
68) m/p-Xylenes	11.703	106	37699	5.470	ug/l	96
69) o-Xylene	12.032	106	11173	1.676	ug/l	99
73) Isopropylbenzene	12.331	105	113990	7.096	ug/l	99
76) 1,2,3-Trichloropropane	12.483	75	101307	38.944	ug/l #	100
78) n-propylbenzene	12.672	91	19752	1.018	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.483	75	101307	81.798	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.123	105	49434	3.817	ug/l	99
85) sec-Butylbenzene	13.123	105	49434	2.790	ug/l #	56
89) n-Butylbenzene	13.629	91	272497	19.741	ug/l #	43
90) Hexachloroethane	13.971	117	4051	1.411	ug/l #	6
95) Naphthalene	15.239	128	1101796	121.137	ug/l	98

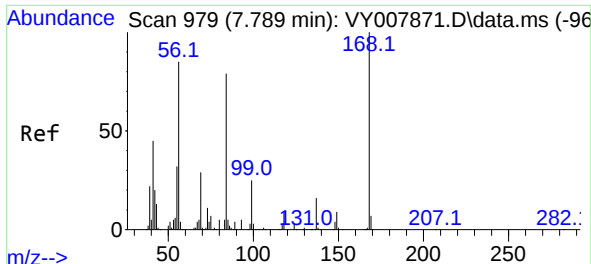
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
Data File : VY007962.D
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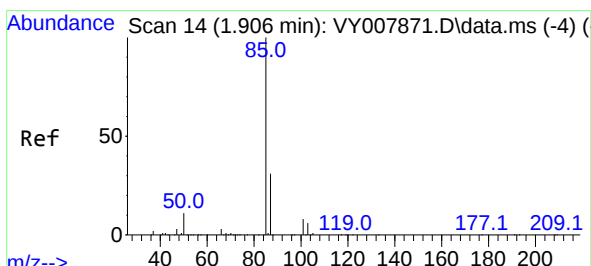
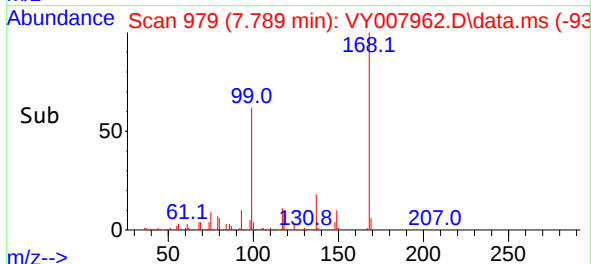
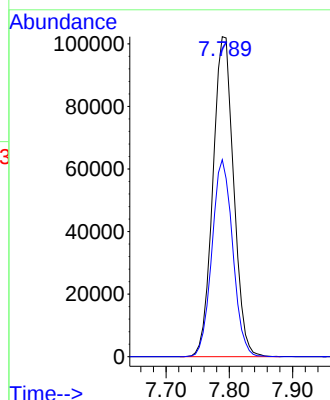
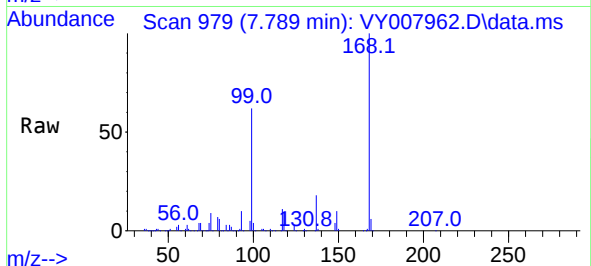




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

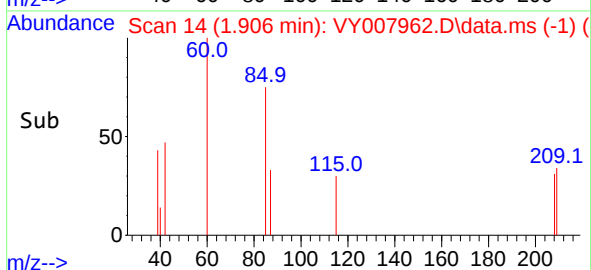
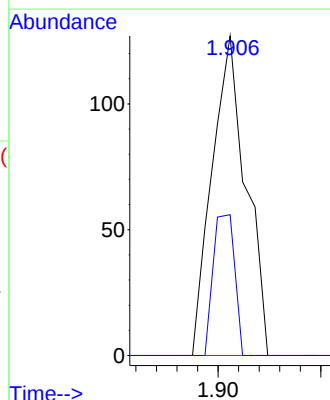
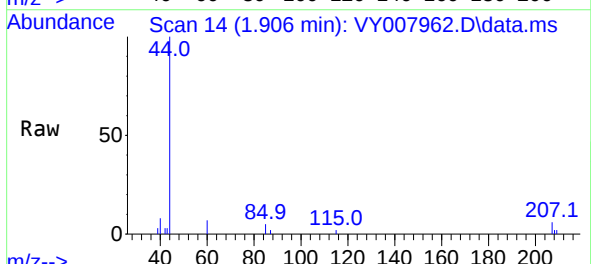
Instrument :
MSVOA_Y
ClientSampleId :
G-5-11-25-26

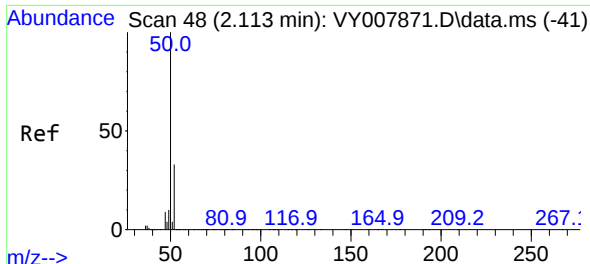
Tgt Ion:168 Resp: 233040
Ion Ratio Lower Upper
168 100
99 61.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

Tgt Ion: 85 Resp: 146
Ion Ratio Lower Upper
85 100
87 44.1 16.1 48.2

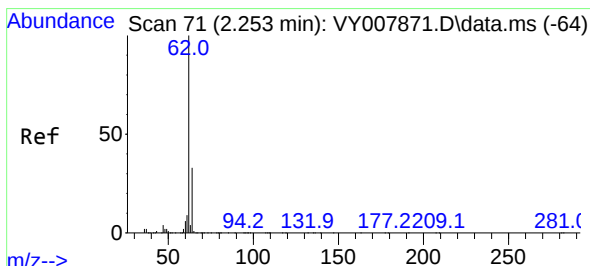
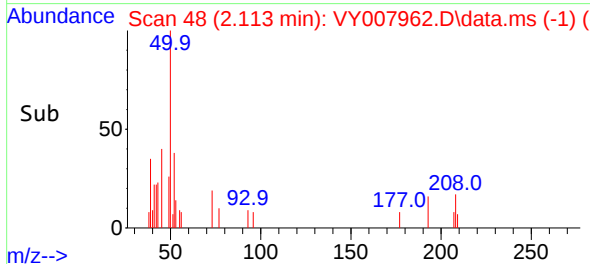
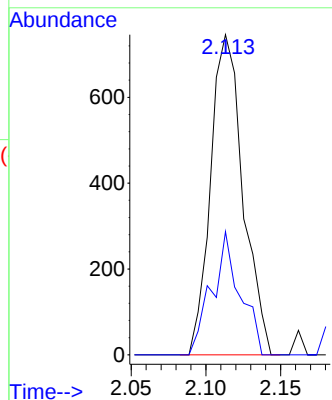
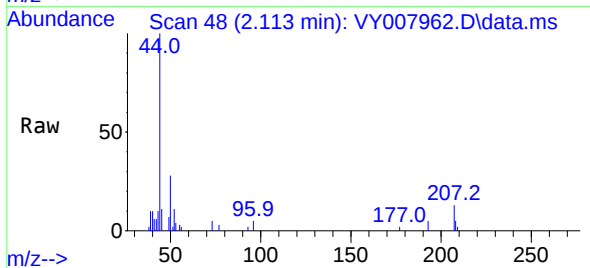




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

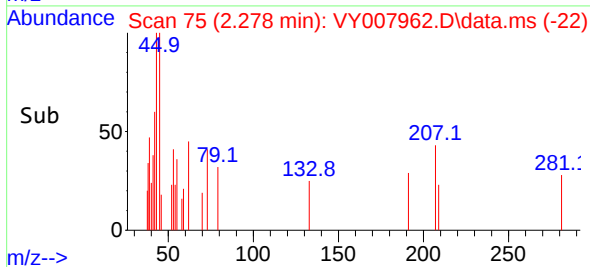
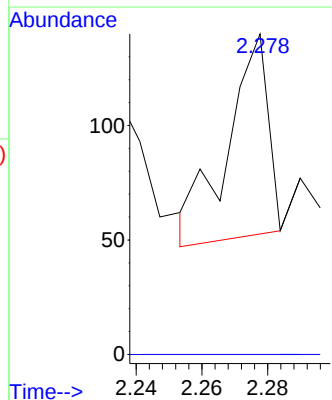
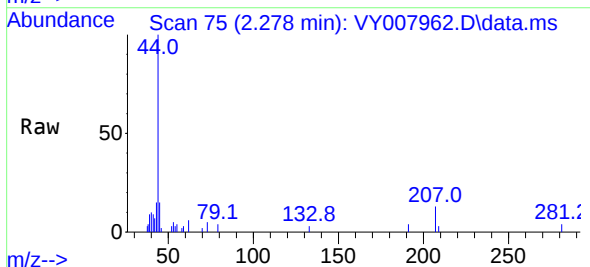
Instrument :
MSVOA_Y
ClientSampleId :
G-5-11-25-26

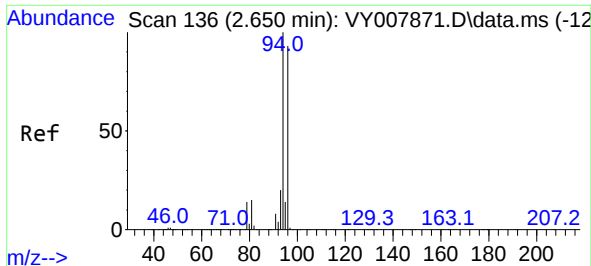
Tgt Ion: 50 Resp: 1123
Ion Ratio Lower Upper
50 100
52 38.5 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.278 min Scan# 75
Delta R.T. 0.024 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

Tgt Ion: 62 Resp: 76
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

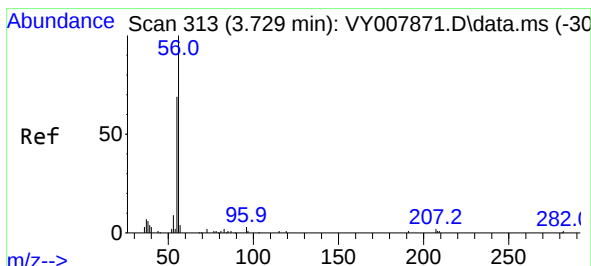
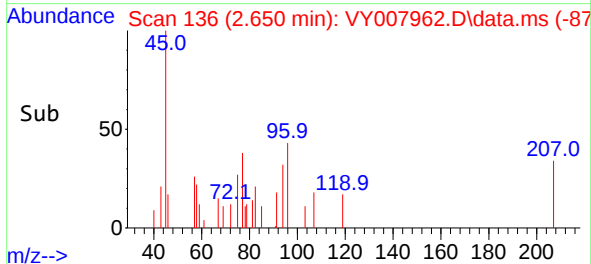
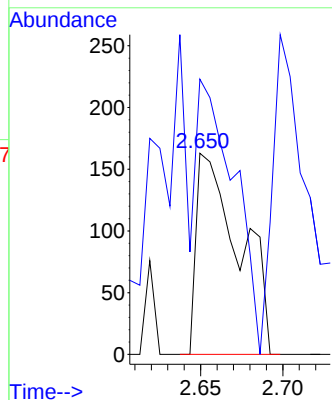
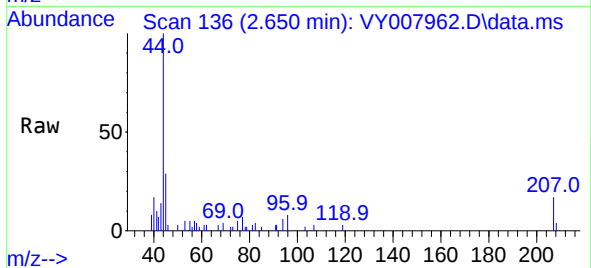




#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

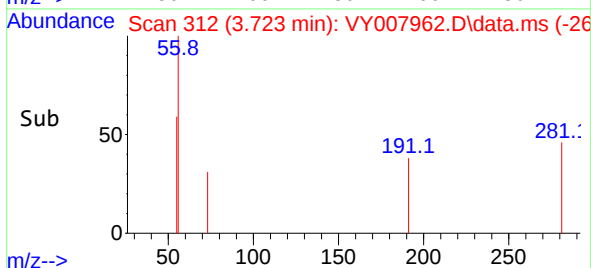
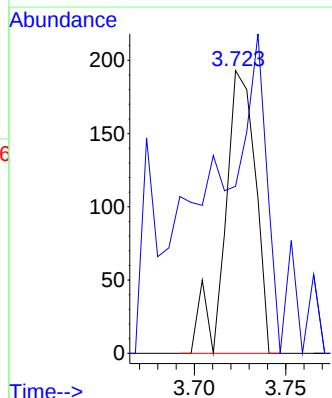
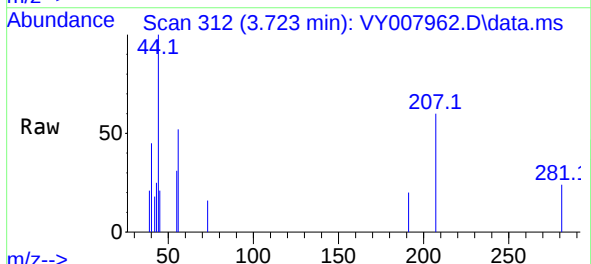
Instrument :
MSVOA_Y
ClientSampleId :
G-5-11-25-26

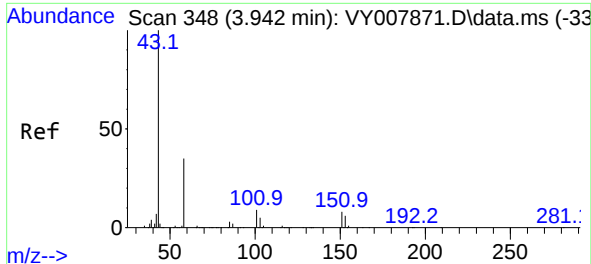
Tgt Ion: 94 Resp: 295
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#



#13
Acrolein
Concen: 1.196 ug/l
RT: 3.723 min Scan# 312
Delta R.T. -0.006 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

Tgt Ion: 56 Resp: 223
Ion Ratio Lower Upper
56 100
55 209.0 57.6 86.4#





#16

Acetone

Concen: 32.339 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.000 min

Lab File: VY007962.D

Acq: 21 Mar 2022 18:09

Instrument :

MSVOA_Y

ClientSampleId :

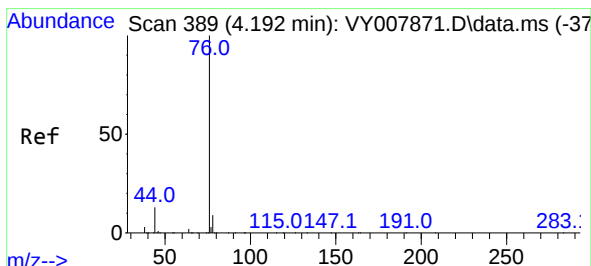
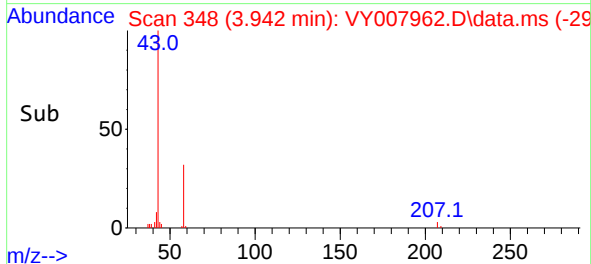
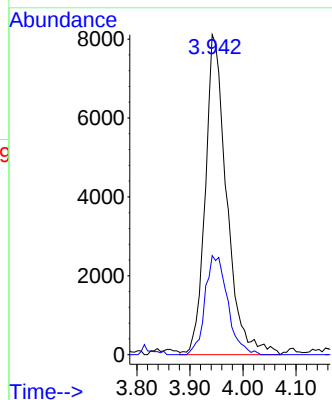
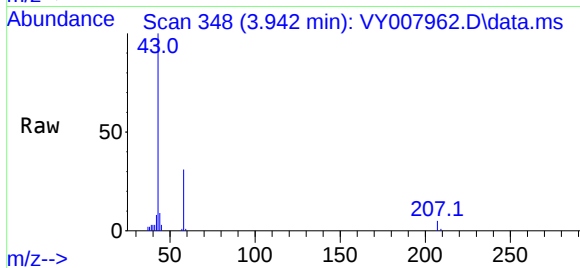
G-5-11-25-26

Tgt Ion: 43 Resp: 22795

Ion Ratio Lower Upper

43 100

58 31.0 22.0 33.0



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.192 min Scan# 389

Delta R.T. -0.000 min

Lab File: VY007962.D

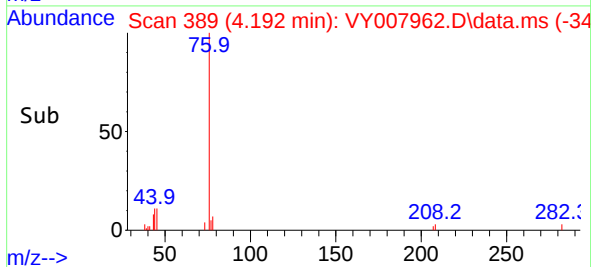
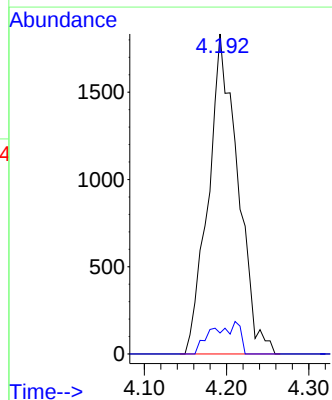
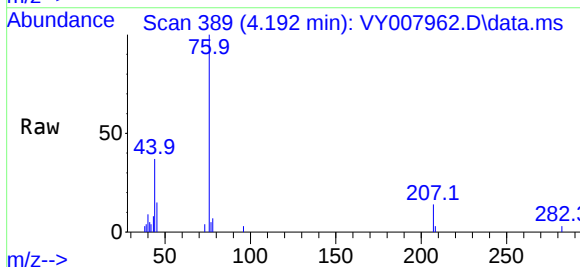
Acq: 21 Mar 2022 18:09

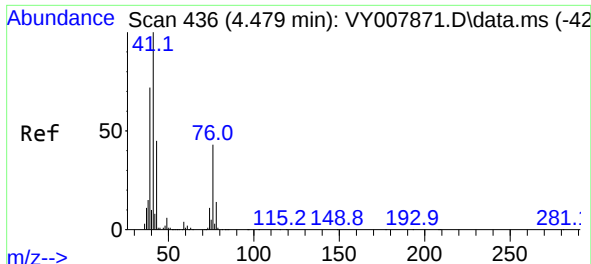
Tgt Ion: 76 Resp: 4573

Ion Ratio Lower Upper

76 100

78 6.5 7.4 11.0#

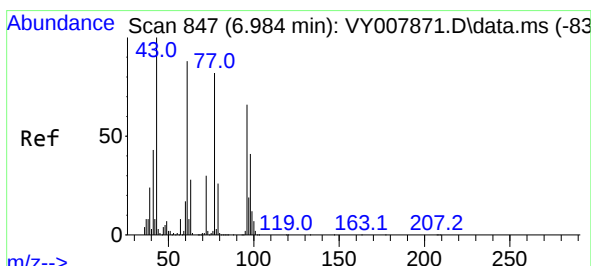
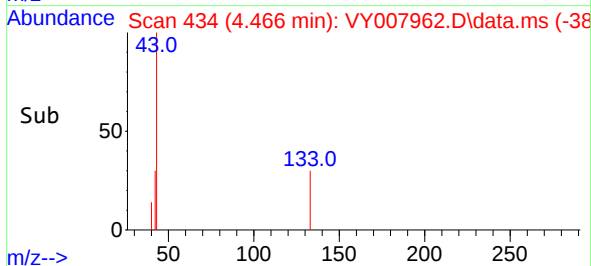
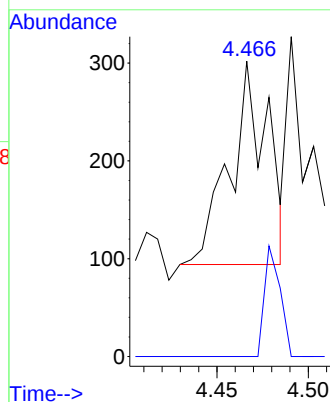
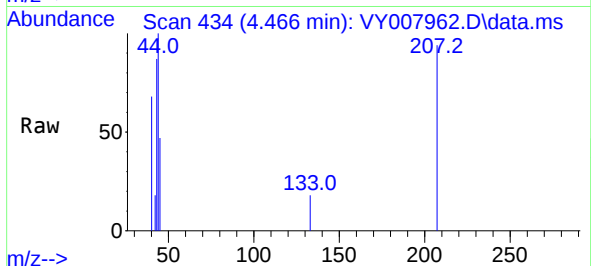




#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

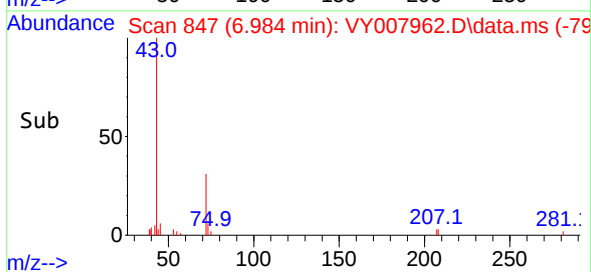
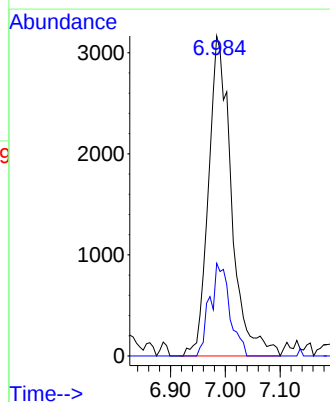
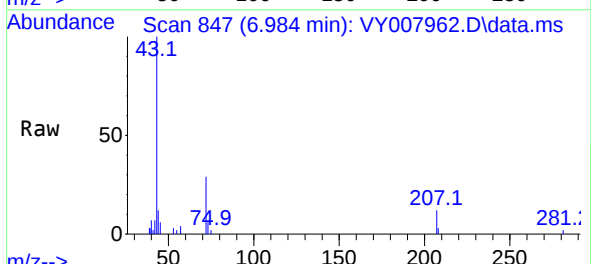
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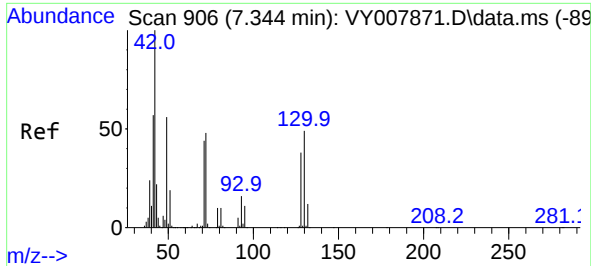
Tgt Ion: 43 Resp: 297
Ion Ratio Lower Upper
43 100
74 22.6 16.6 24.8



#25
2-Butanone
Concen: 8.147 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

Tgt Ion: 43 Resp: 9199
Ion Ratio Lower Upper
43 100
72 29.0 17.7 26.5#

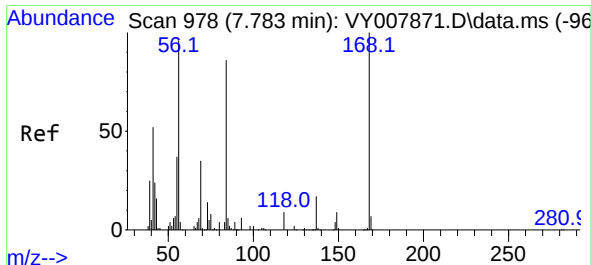
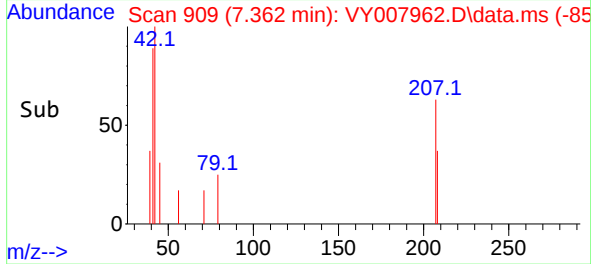
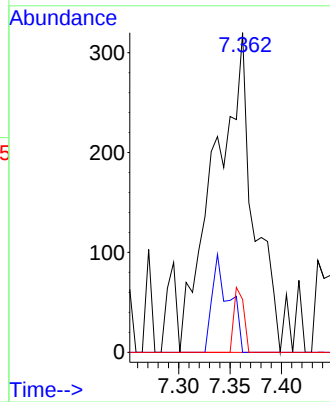
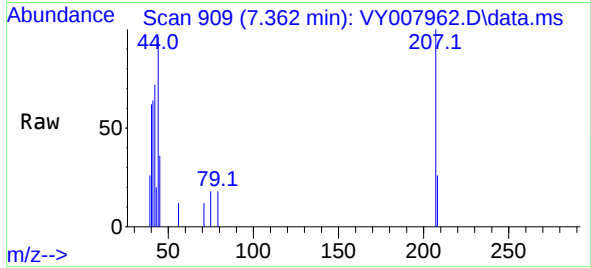




#29
Tetrahydrofuran
Concen: 1.165 ug/l
RT: 7.362 min Scan# 906
Delta R.T. 0.018 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

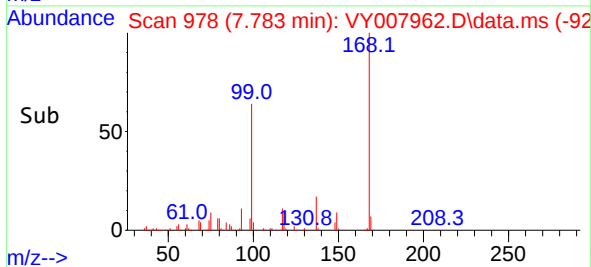
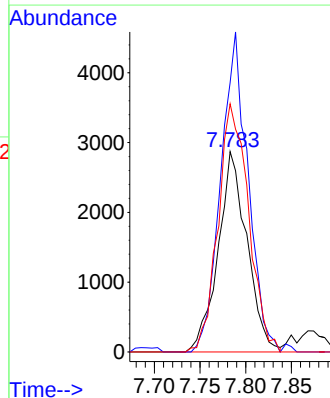
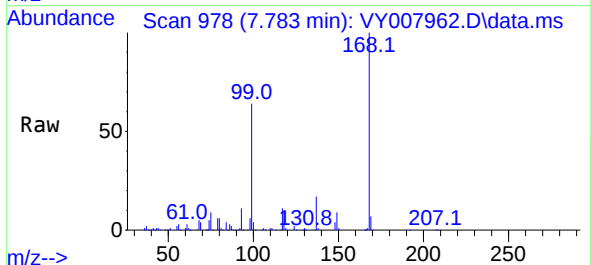
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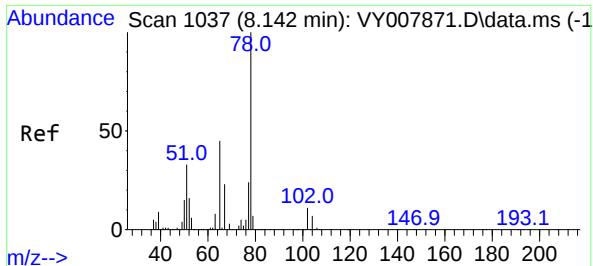
Tgt Ion: 42 Resp: 843
Ion Ratio Lower Upper
42 100
72 0.0 30.3 45.5#
71 5.1 29.0 43.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

Tgt Ion: 56 Resp: 6313
Ion Ratio Lower Upper
56 100
69 134.5 26.7 40.1#
84 123.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 57.442 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY007962.D

Acq: 21 Mar 2022 18:09

Instrument :

MSVOA_Y

ClientSampleId :

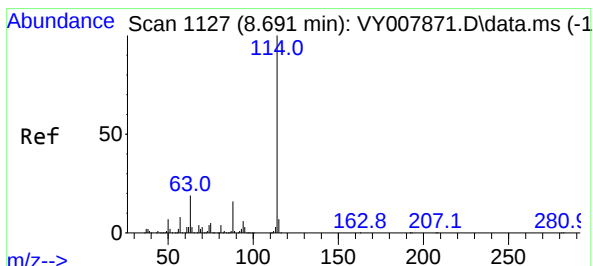
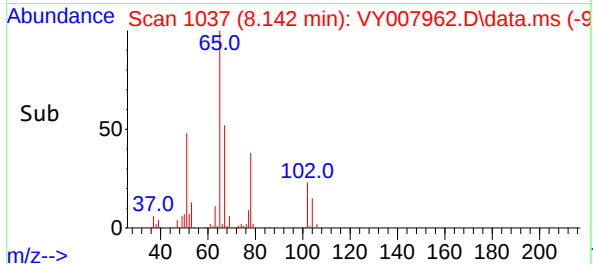
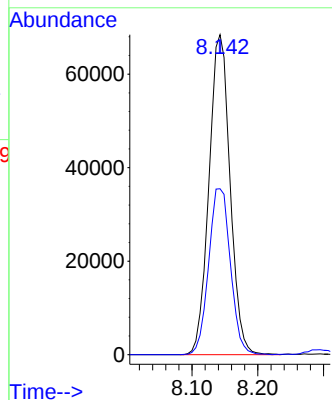
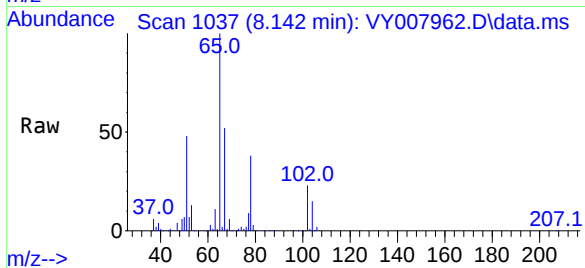
G-5-11-25-26

Tgt Ion: 65 Resp: 152628

Ion Ratio Lower Upper

65 100

67 53.7 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: VY007962.D

Acq: 21 Mar 2022 18:09

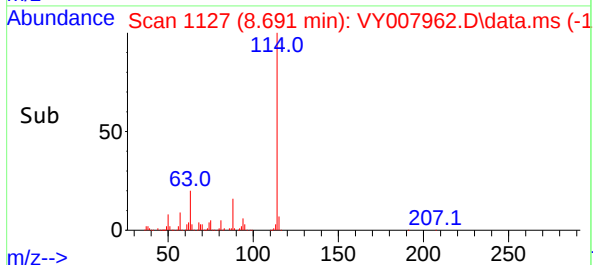
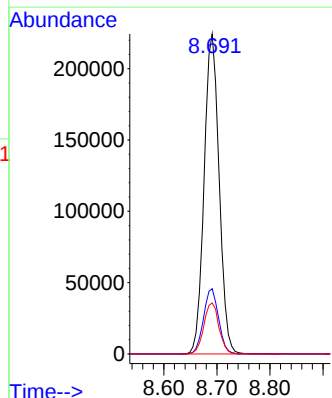
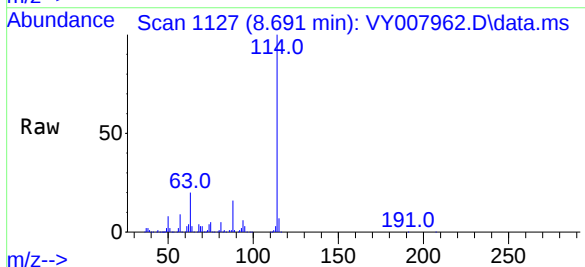
Tgt Ion: 114 Resp: 440207

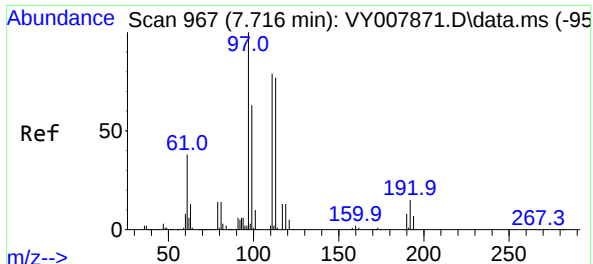
Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.2

88 15.9 0.0 31.8

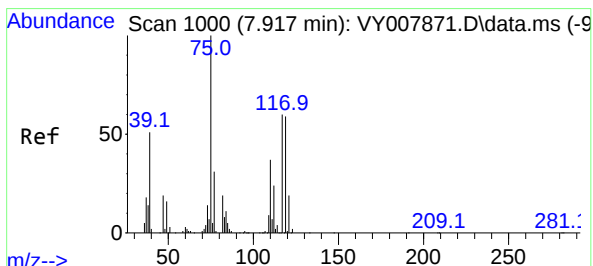
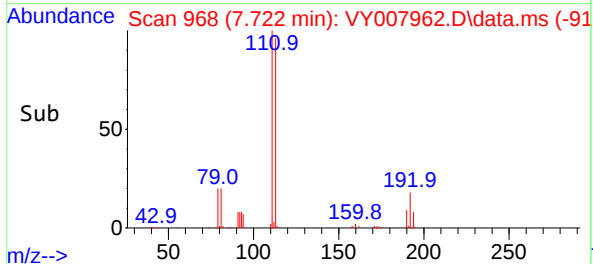
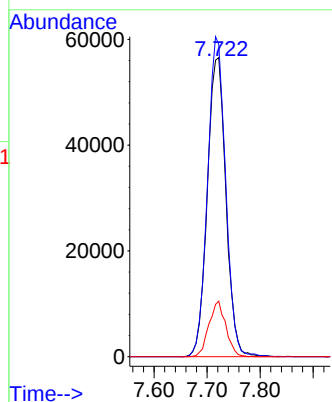
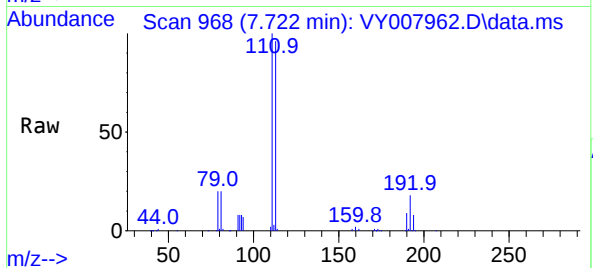




#35
Dibromofluoromethane
Concen: 44.607 ug/l
RT: 7.722 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

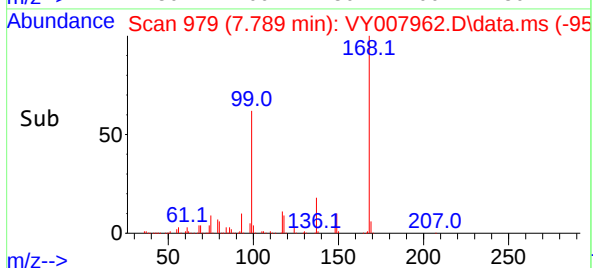
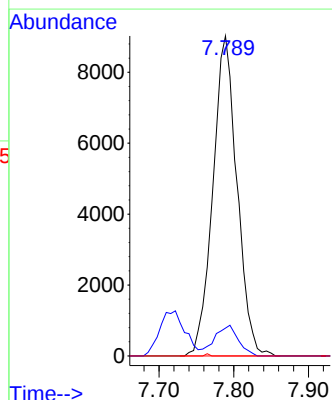
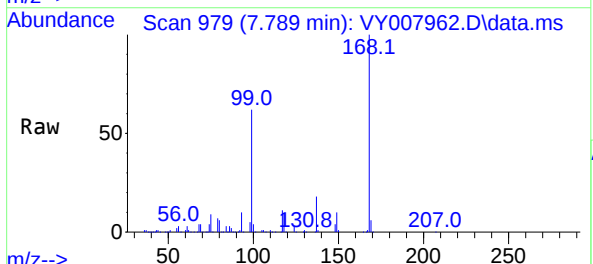
Instrument :
MSVOA_Y
ClientSampleId :
G-5-11-25-26

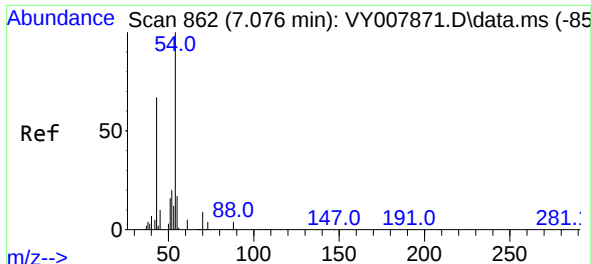
Tgt Ion:113 Resp: 137906
Ion Ratio Lower Upper
113 100
111 104.1 82.6 124.0
192 16.9 17.6 26.4#



#36
1,1-Dichloropropene
Concen: 4.423 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

Tgt Ion: 75 Resp: 20280
Ion Ratio Lower Upper
75 100
110 9.2 17.1 51.2#
77 0.0 24.4 36.6#

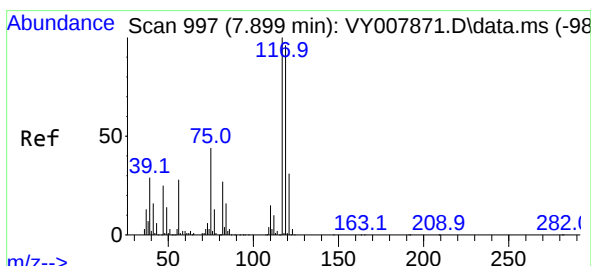
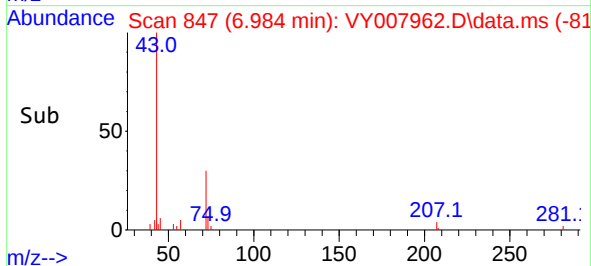
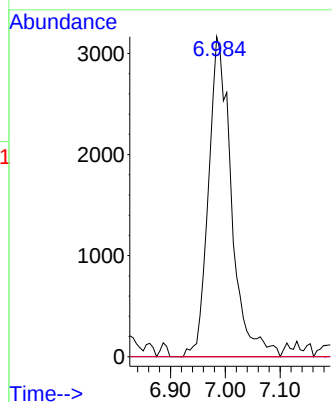
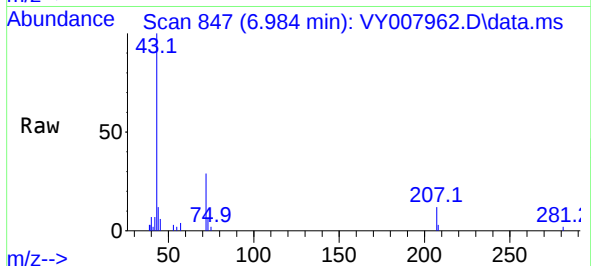




#37
Ethyl Acetate
Concen: 3.288 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.085 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

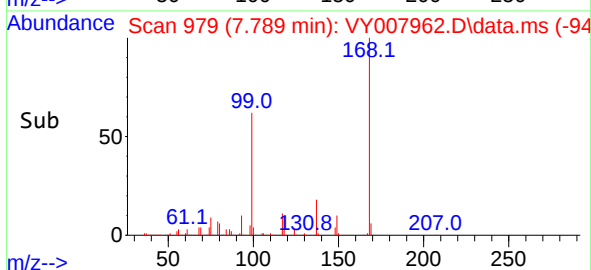
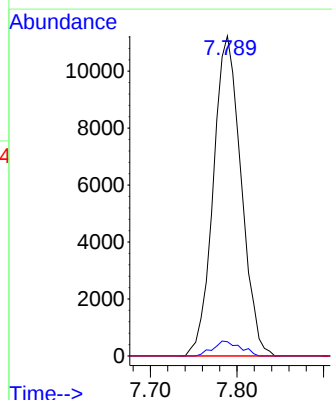
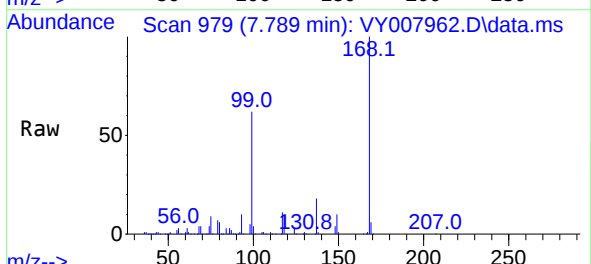
Instrument :
MSVOA_Y
ClientSampleId :
G-5-11-25-26

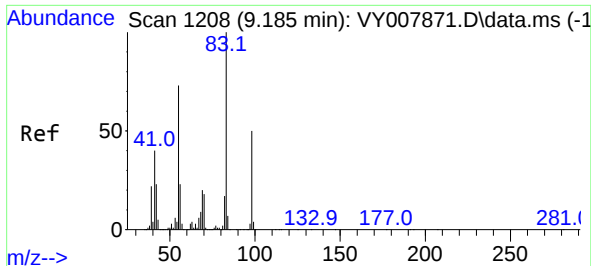
Tgt Ion: 43 Resp: 9199
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.113 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

Tgt Ion: 117 Resp: 25053
Ion Ratio Lower Upper
117 100
119 4.4 77.9 116.9#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: Below Cal

RT: 9.179 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY007962.D

Acq: 21 Mar 2022 18:09

Instrument :

MSVOA_Y

ClientSampleId :

G-5-11-25-26

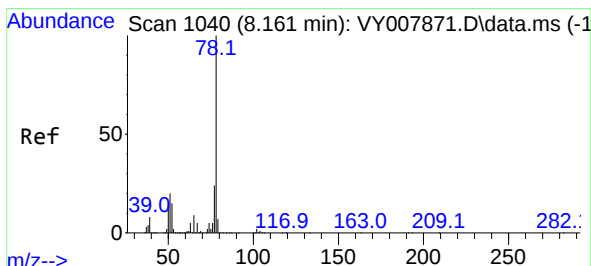
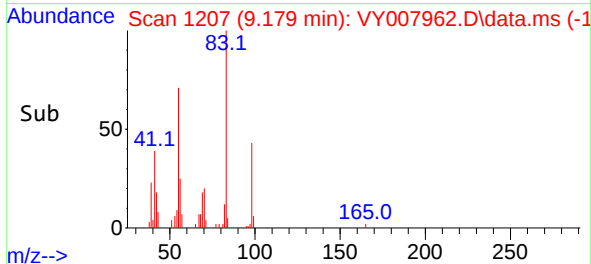
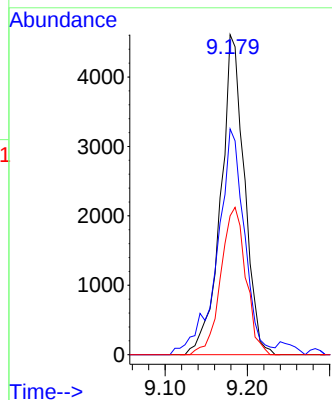
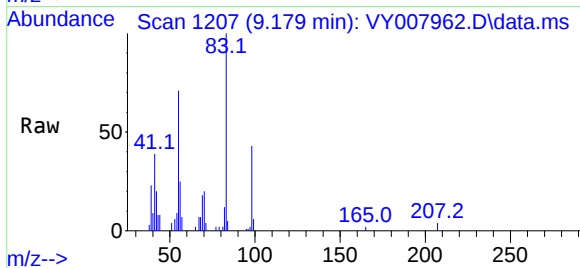
Tgt Ion: 83 Resp: 9215

Ion Ratio Lower Upper

83 100

55 68.5 66.5 99.7

98 43.4 37.9 56.9



#40

Benzene

Concen: 9.196 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY007962.D

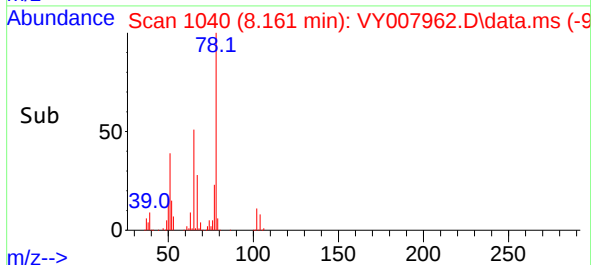
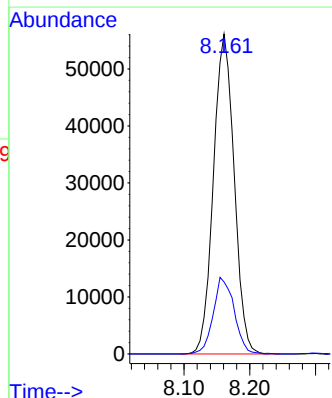
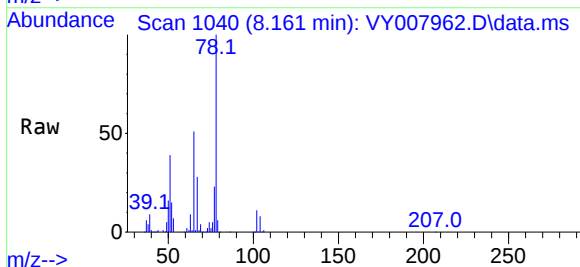
Acq: 21 Mar 2022 18:09

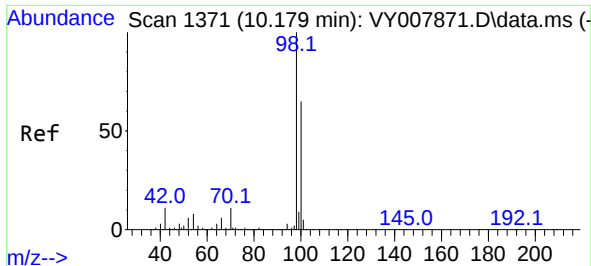
Tgt Ion: 78 Resp: 123218

Ion Ratio Lower Upper

78 100

77 22.5 20.4 30.6

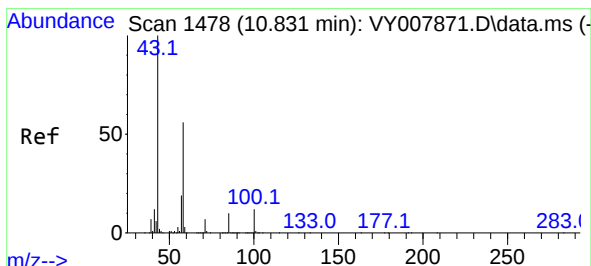
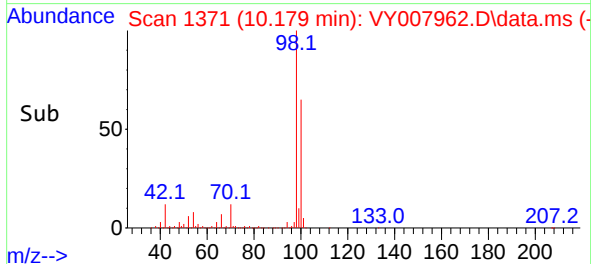
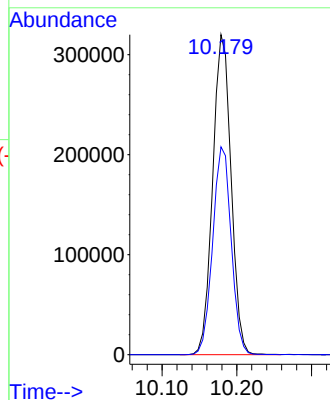
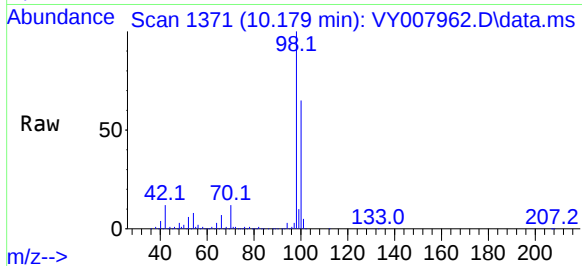




#50
Toluene-d8
Concen: 59.591 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

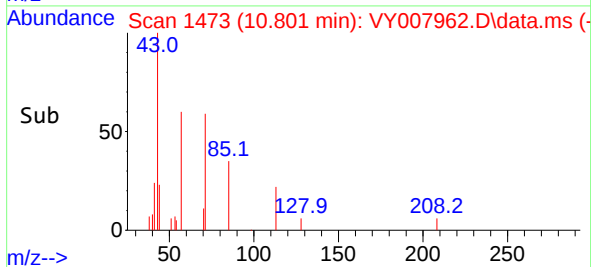
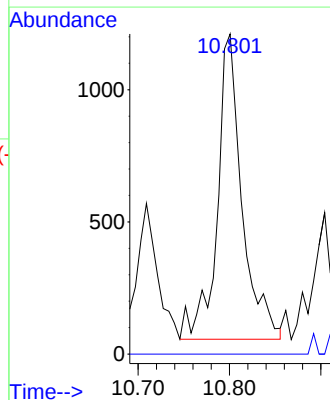
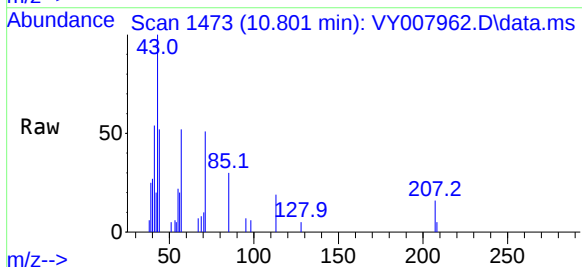
Instrument :
MSVOA_Y
ClientSampleId :
G-5-11-25-26

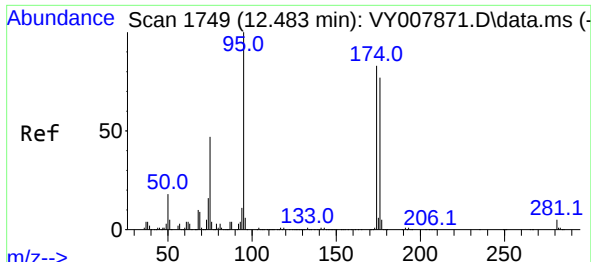
Tgt Ion: 98 Resp: 545790
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2



#59
2-Hexanone
Concen: 1.073 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.031 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

Tgt Ion: 43 Resp: 2180
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#

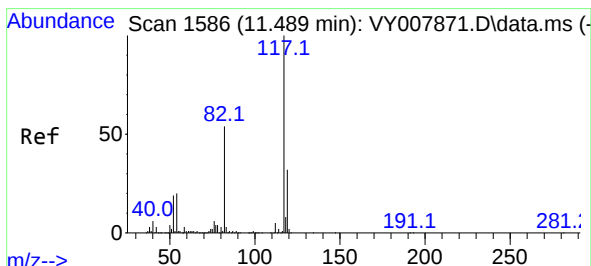
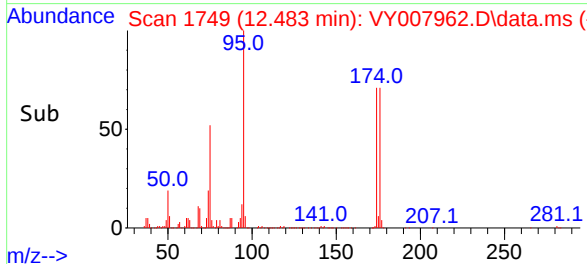
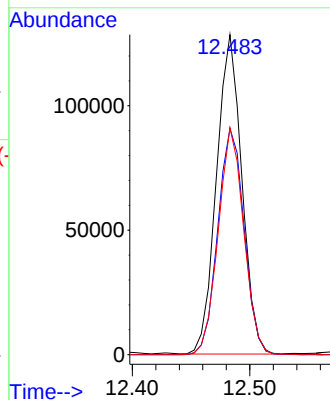
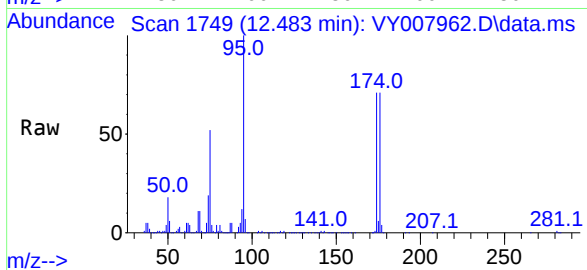




#62
4-Bromofluorobenzene
Concen: 43.325 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

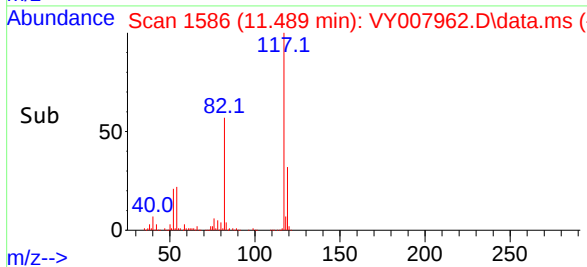
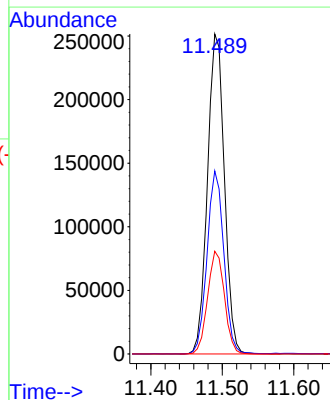
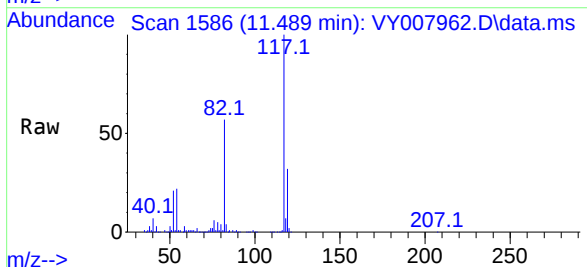
Instrument :
MSVOA_Y
ClientSampleId :
G-5-11-25-26

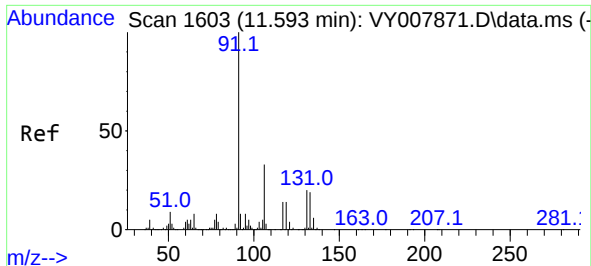
Tgt Ion: 95 Resp: 192231
Ion Ratio Lower Upper
95 100
174 73.7 0.0 177.0
176 71.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

Tgt Ion: 117 Resp: 414079
Ion Ratio Lower Upper
117 100
82 57.2 43.0 64.4
119 32.1 25.4 38.0

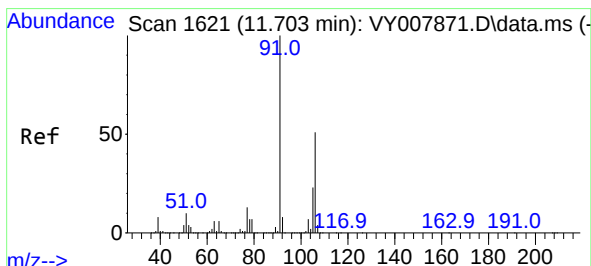
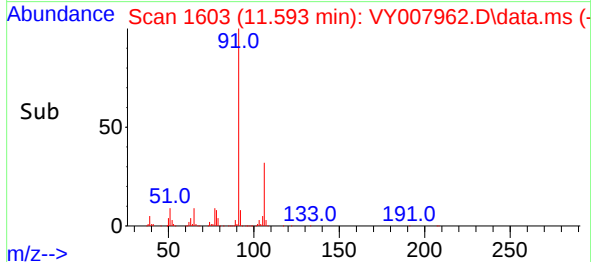
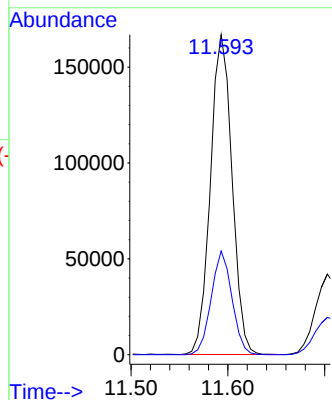
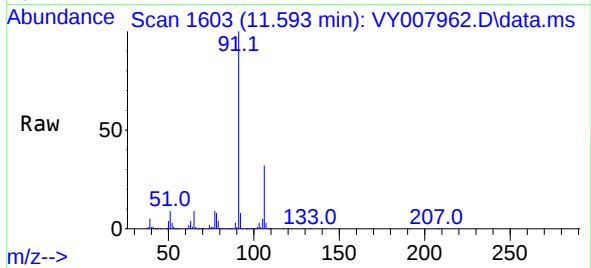




#67
Ethyl Benzene
Concen: 14.693 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

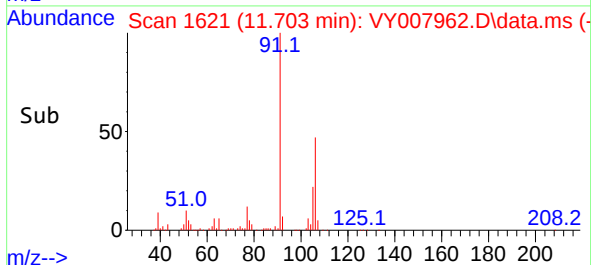
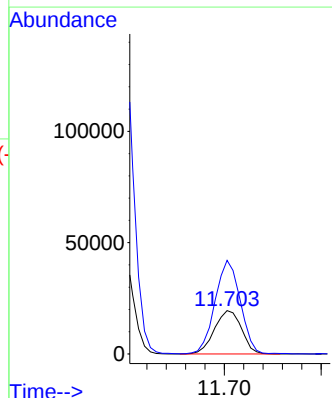
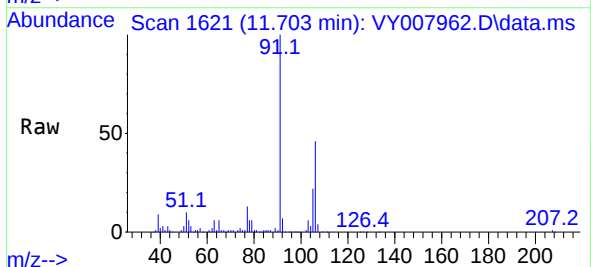
Instrument :
MSVOA_Y
ClientSampleId :
G-5-11-25-26

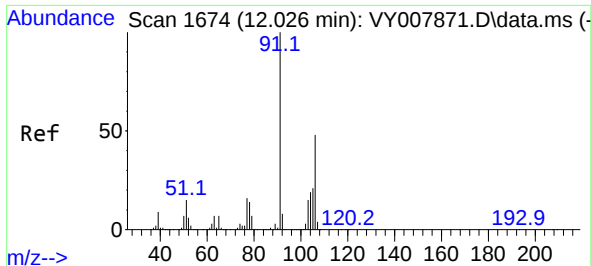
Tgt Ion: 91 Resp: 259617
Ion Ratio Lower Upper
91 100
106 32.4 24.5 36.7



#68
m/p-Xylenes
Concen: 5.470 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

Tgt Ion: 106 Resp: 37699
Ion Ratio Lower Upper
106 100
91 202.4 166.6 249.8

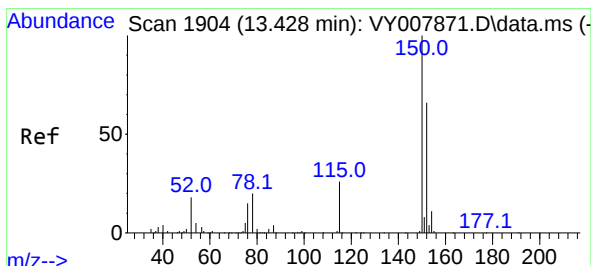
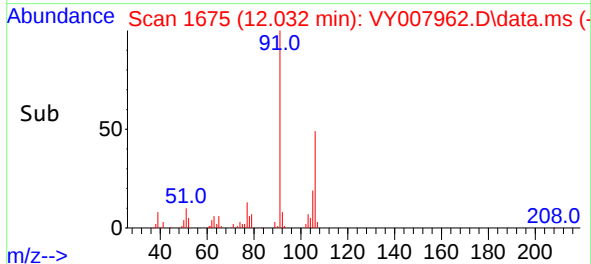
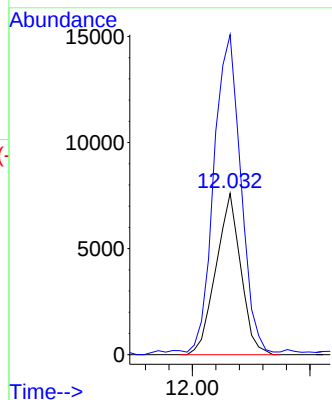
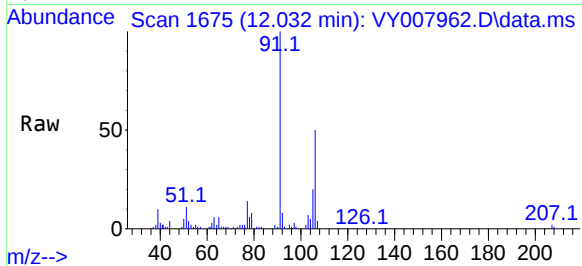




#69
o-Xylene
Concen: 1.676 ug/l
RT: 12.032 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

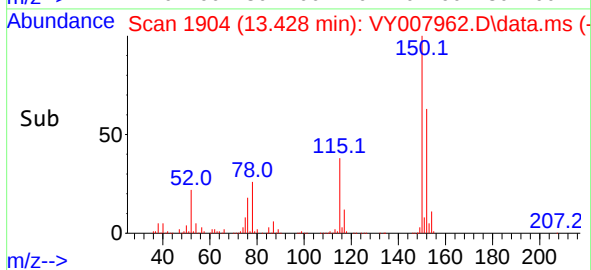
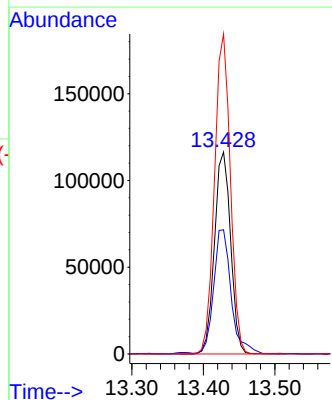
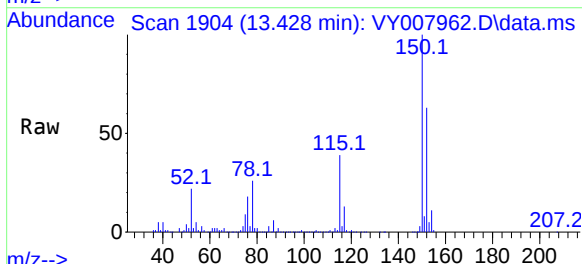
Instrument :
MSVOA_Y
ClientSampleId :
G-5-11-25-26

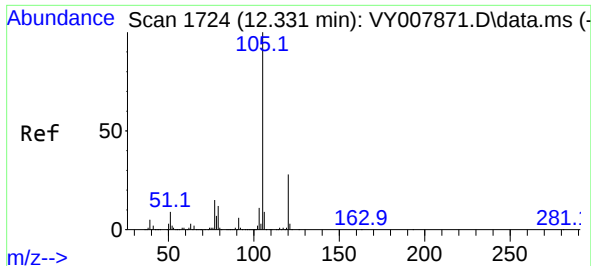
Tgt Ion:106 Resp: 11173
Ion Ratio Lower Upper
106 100
91 219.1 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

Tgt Ion:152 Resp: 182509
Ion Ratio Lower Upper
152 100
115 65.9 28.2 84.7
150 155.3 0.0 347.6

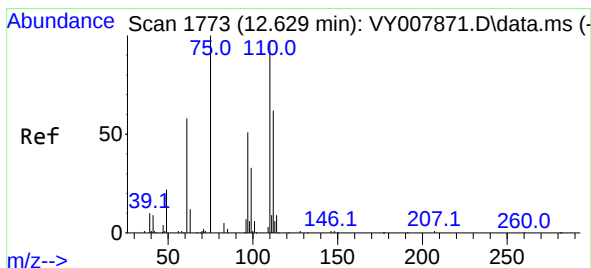
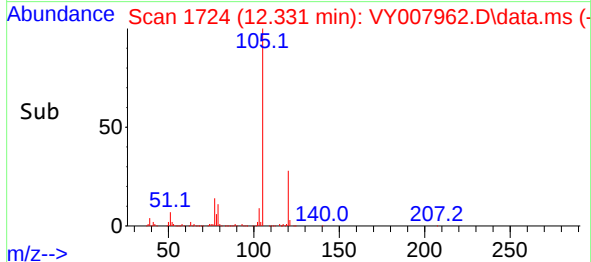
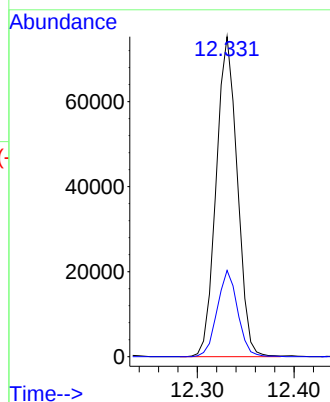
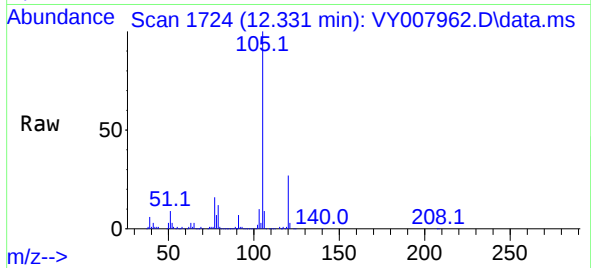




#73
Isopropylbenzene
Concen: 7.096 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

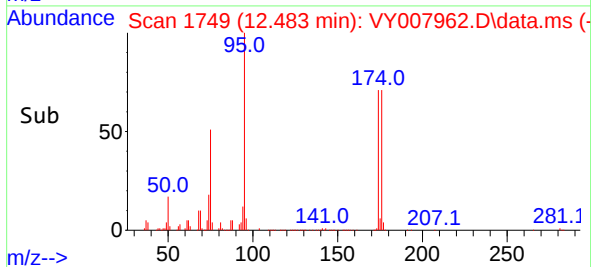
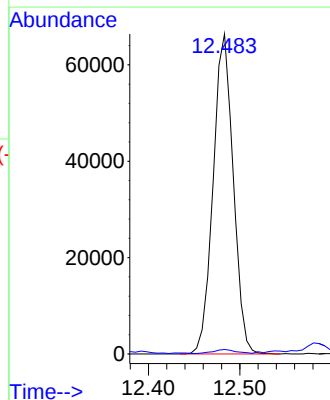
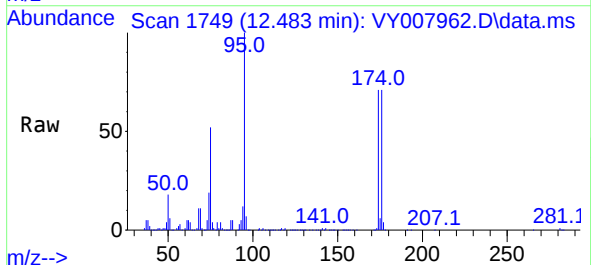
Instrument :
MSVOA_Y
ClientSampleId :
G-5-11-25-26

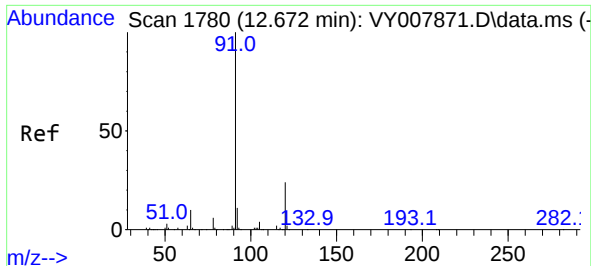
Tgt Ion:105 Resp: 113990
Ion Ratio Lower Upper
105 100
120 26.1 13.4 40.2



#76
1,2,3-Trichloropropane
Concen: 38.944 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

Tgt Ion: 75 Resp: 101307
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

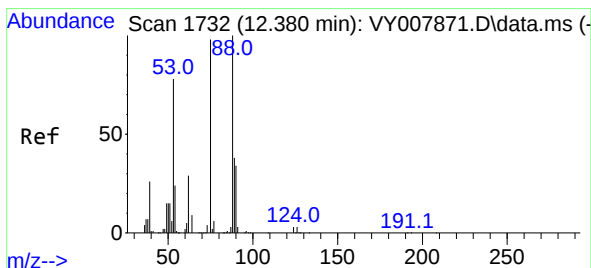
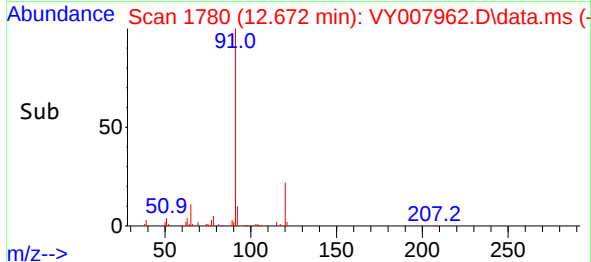
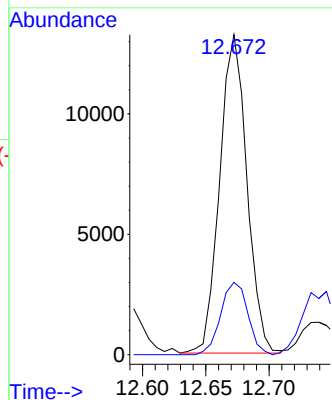
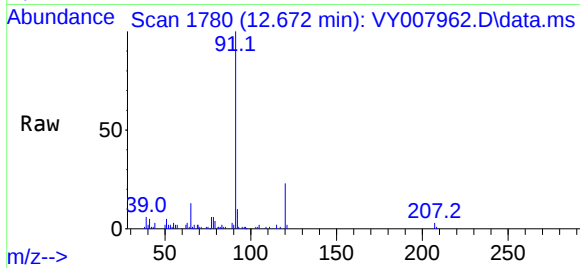




#78
n-propylbenzene
Concen: 1.018 ug/l
RT: 12.672 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

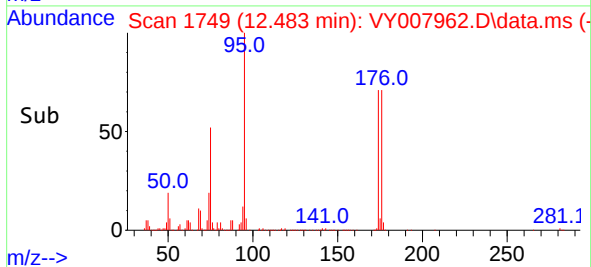
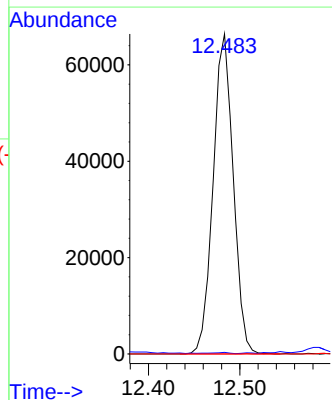
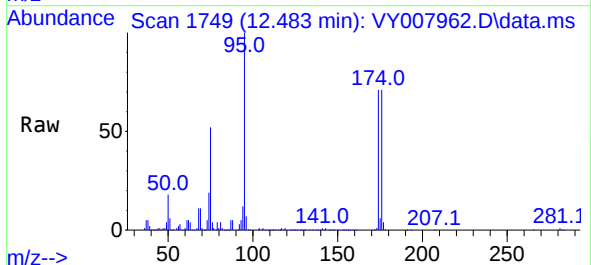
Instrument :
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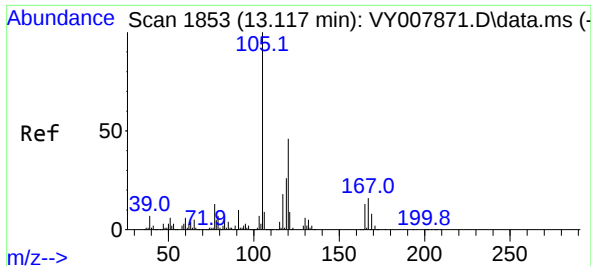
Tgt Ion: 91 Resp: 19752
Ion Ratio Lower Upper
91 100
120 22.7 11.3 33.9



#81
trans-1,4-Dichloro-2-butene
Concen: 81.798 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

Tgt Ion: 75 Resp: 101307
Ion Ratio Lower Upper
75 100
53 0.3 85.3 127.9#
89 0.0 37.0 55.4#

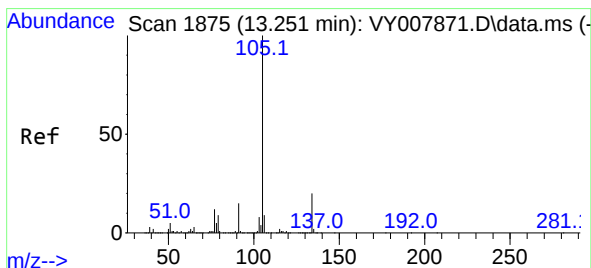
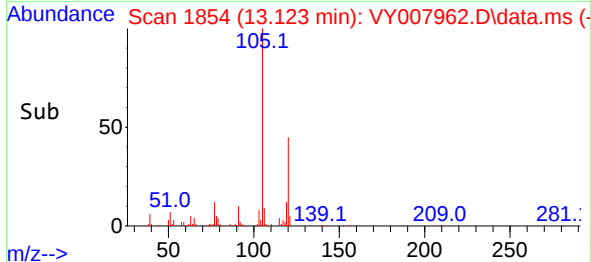
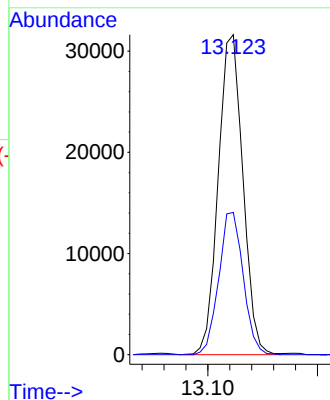
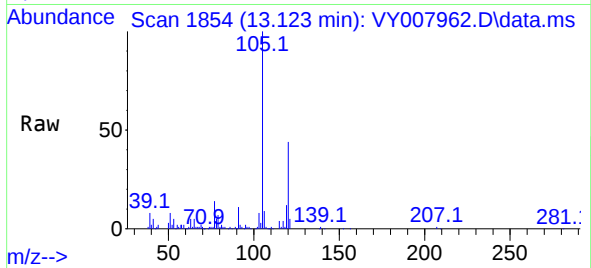




#84
1,2,4-Trimethylbenzene
Concen: 3.817 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

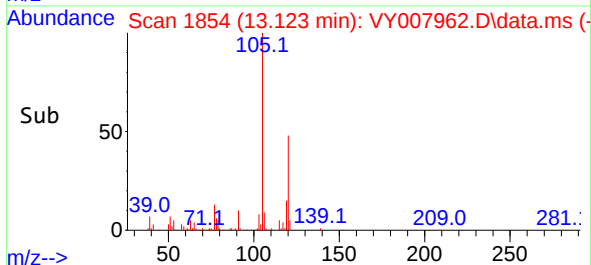
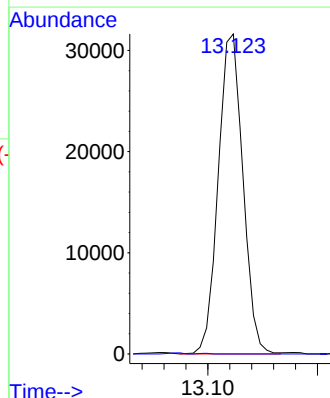
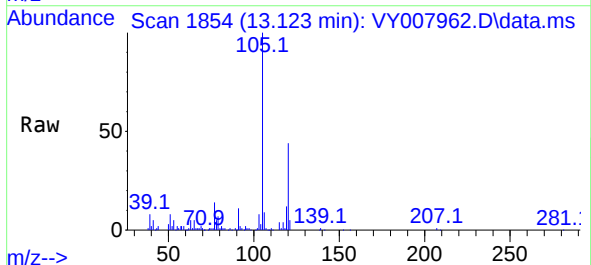
Instrument :
MSVOA_Y
ClientSampleId :
G-5-11-25-26

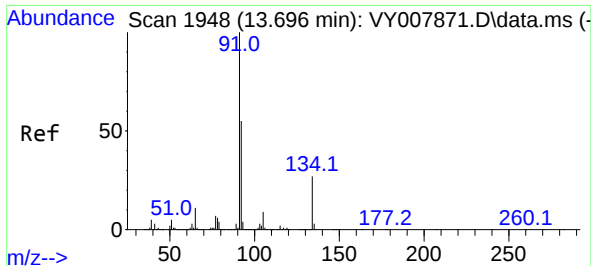
Tgt Ion:105 Resp: 49434
Ion Ratio Lower Upper
105 100
120 44.1 22.3 66.9



#85
sec-Butylbenzene
Concen: 2.790 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.128 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

Tgt Ion:105 Resp: 49434
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#

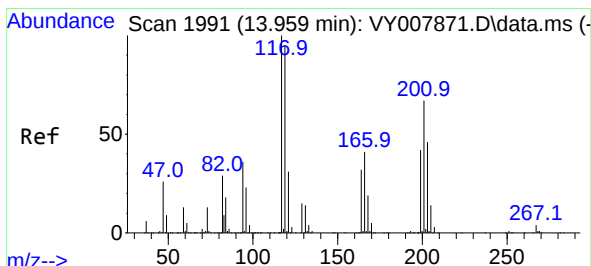
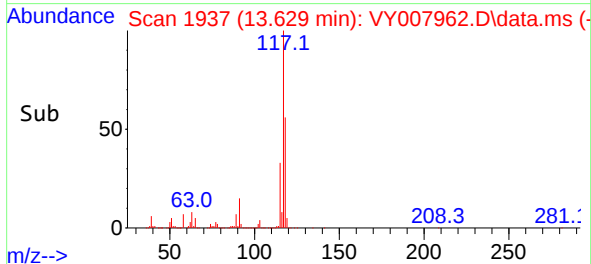
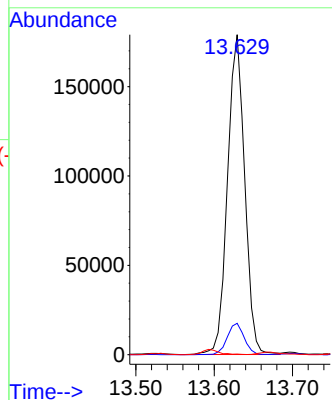
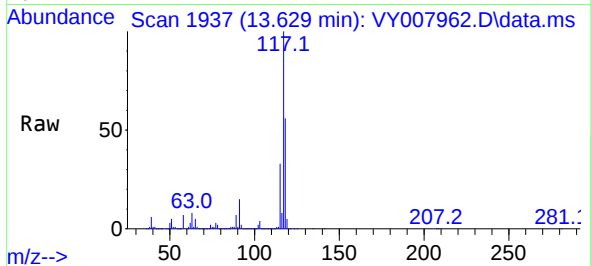




#89
n-Butylbenzene
Concen: 19.741 ug/l
RT: 13.629 min Scan# 1937
Delta R.T. -0.067 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

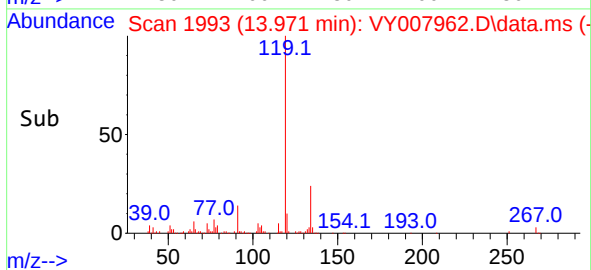
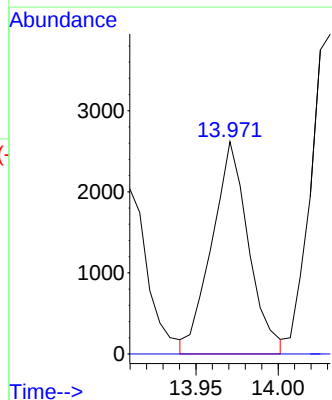
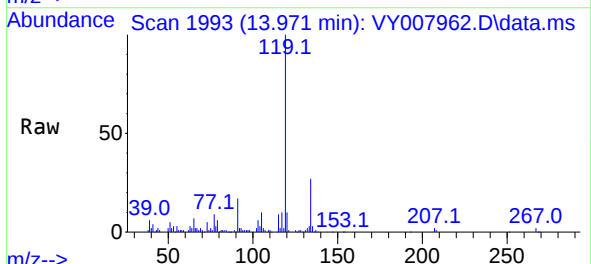
Instrument :
MSVOA_Y
ClientSampleId :
G-5-11-25-26

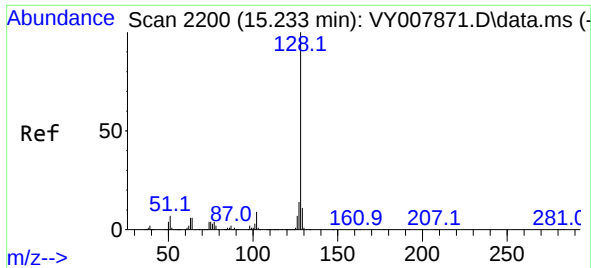
Tgt Ion: 91 Resp: 272497
Ion Ratio Lower Upper
91 100
92 9.8 26.3 78.9#
134 0.0 13.0 38.9#



#90
Hexachloroethane
Concen: 1.411 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.006 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

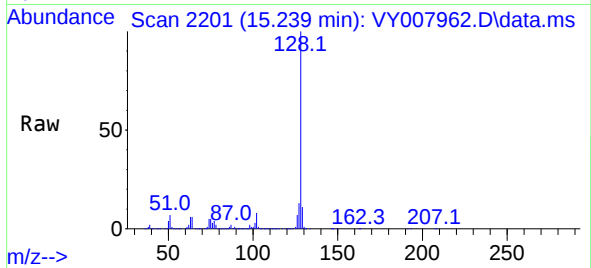
Tgt Ion: 117 Resp: 4051
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#





#95
Naphthalene
Concen: 121.137 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY007962.D
Acq: 21 Mar 2022 18:09

Instrument :
MSVOA_Y
ClientSampleId :
G-5-11-25-26



Tgt Ion:128 Resp: 1101796
Ion Ratio Lower Upper
128 100
127 12.9 11.0 16.4
129 11.0 8.4 12.6

