

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007923.D
 Acq On : 19 Mar 2022 00:52
 Operator : SY/MD
 Sample : N1958-03
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-3-2-3

Quant Time: Mar 19 01:41:26 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)

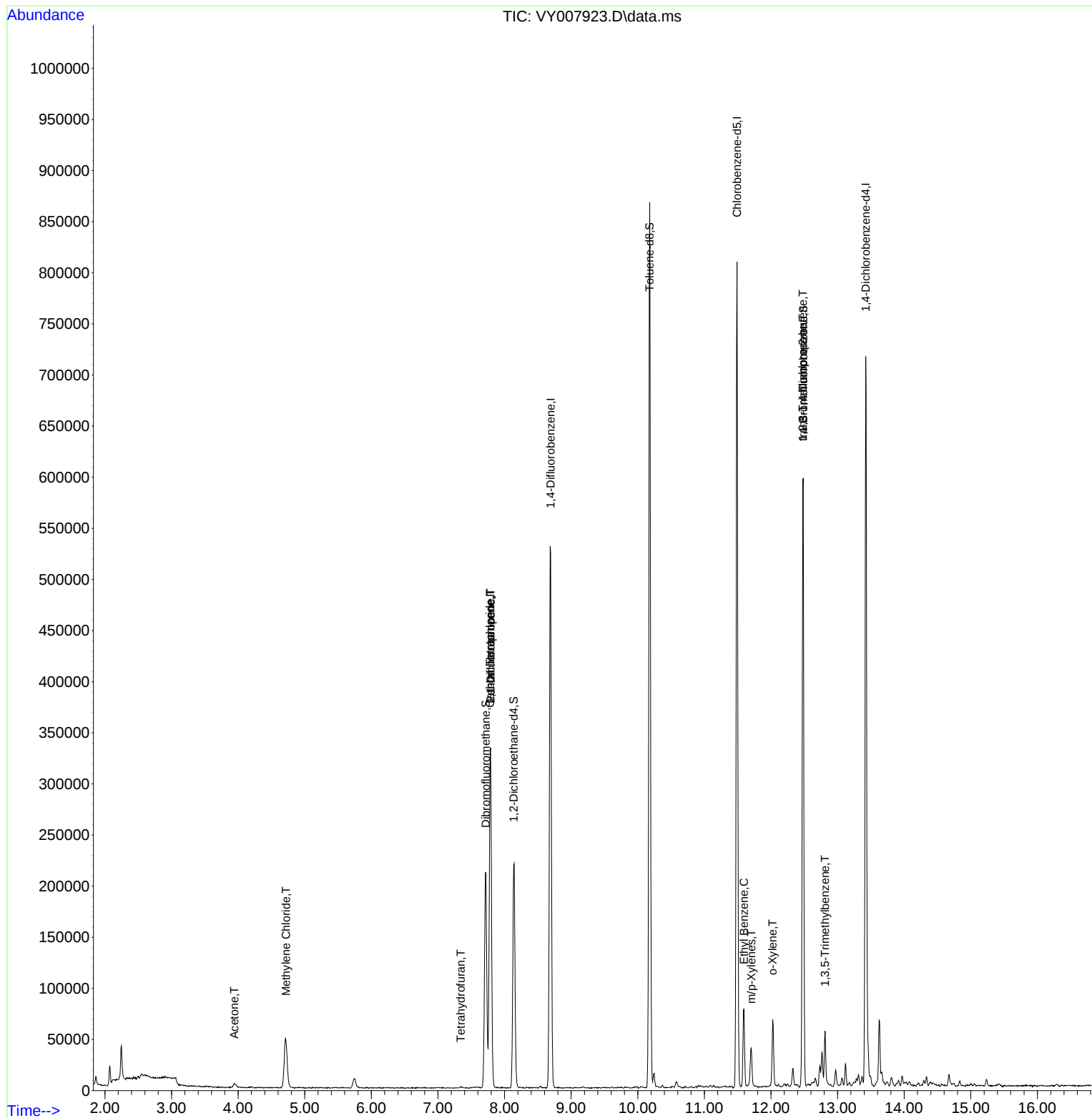
Internal Standards						
1) Pentafluorobenzene	7.789	168	256965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	472388	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	429860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	177363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	166513	56.833	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.660%			
35) Dibromofluoromethane	7.716	113	151389	45.633	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.260%			
50) Toluene-d8	10.179	98	568175	57.616	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 115.240%			
62) 4-Bromofluorobenzene	12.483	95	197845	41.553	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 83.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	110	Below Cal	#	43
3) Chloromethane	2.113	50	1076	Below Cal	#	78
4) Vinyl Chloride	2.260	62	323	Below Cal	#	61
5) Bromomethane	2.650	94	665	Below Cal	#	68
16) Acetone	3.942	43	6619	8.516	ug/l	90
17) Carbon Disulfide	4.186	76	1141	Below Cal	#	75
18) Methyl Acetate	4.485	43	191	Below Cal	#	56
20) Methylene Chloride	4.716	84	37282	8.532	ug/l #	81
29) Tetrahydrofuran	7.344	42	1000	1.254	ug/l #	65
31) Cyclohexane	7.795	56	5789	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	21768	4.424	ug/l #	51
38) Carbon Tetrachloride	7.783	117	27342	5.200	ug/l #	16
39) Methylcyclohexane	9.173	83	476	Below Cal	#	70
67) Ethyl Benzene	11.593	91	53978	2.943	ug/l	99
68) m/p-Xylenes	11.703	106	11850	1.656	ug/l	94
69) o-Xylene	12.026	106	16728	2.417	ug/l	99
76) 1,2,3-Trichloropropane	12.477	75	102382	40.499	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.813	105	23962	1.866	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.477	75	102382	85.064	ug/l #	7

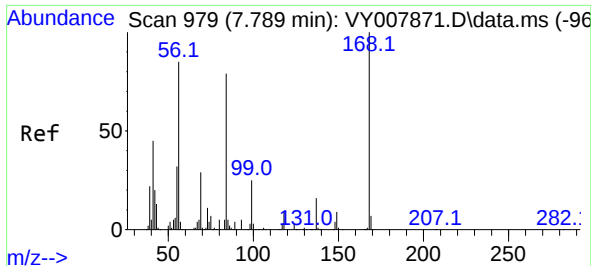
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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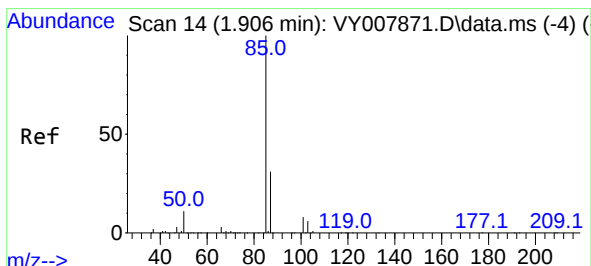
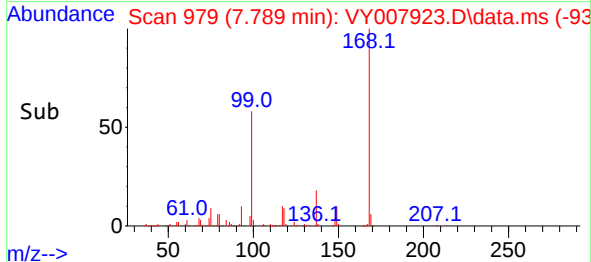
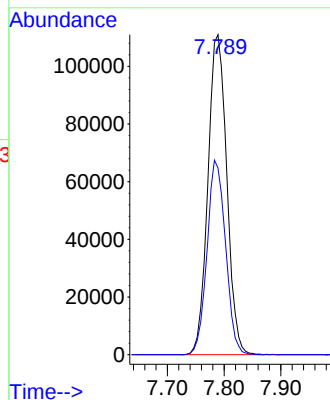
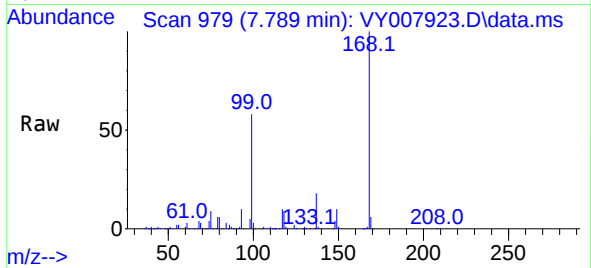




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007923.D
Acq: 19 Mar 2022 00:52

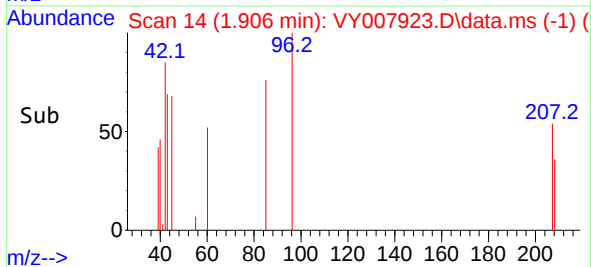
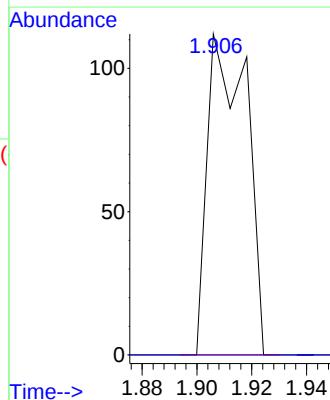
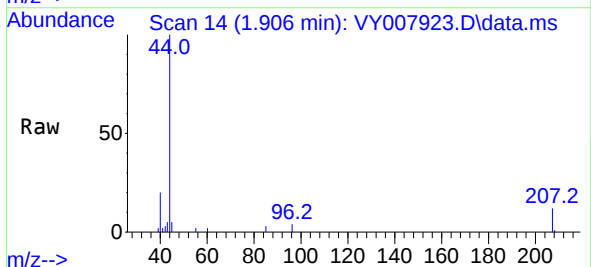
Instrument :
MSVOA_Y
ClientSampleId :
C-3-2-3

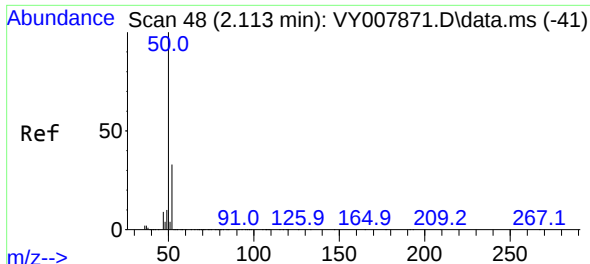
Tgt Ion:168 Resp: 256965
Ion Ratio Lower Upper
168 100
99 58.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY007923.D
Acq: 19 Mar 2022 00:52

Tgt Ion: 85 Resp: 110
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

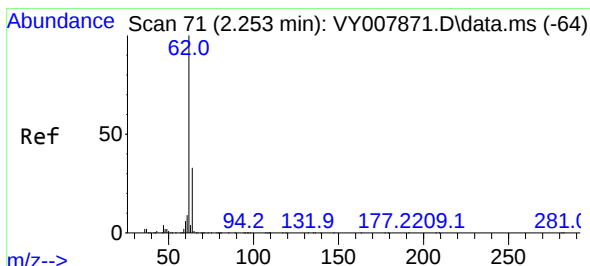
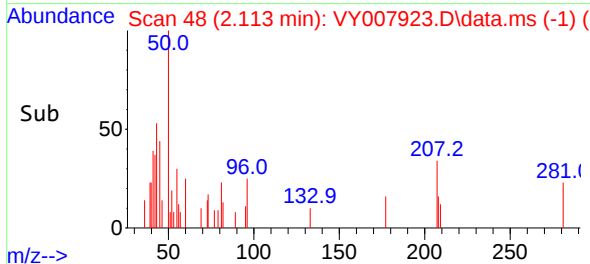
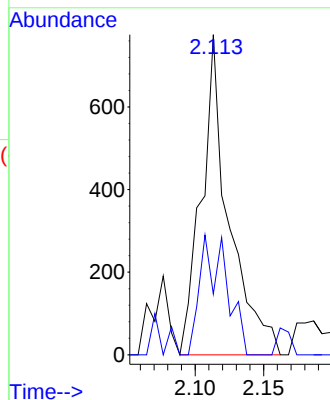
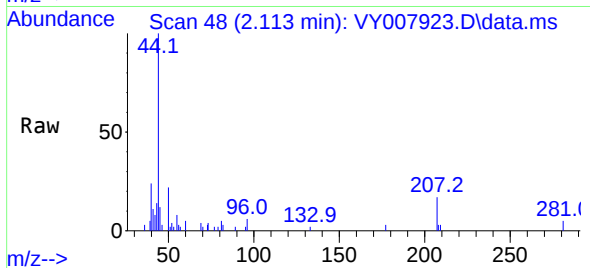




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY007923.D
Acq: 19 Mar 2022 00:52

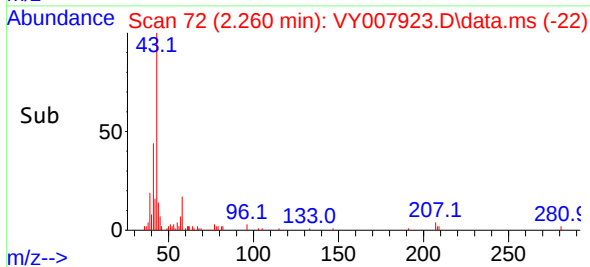
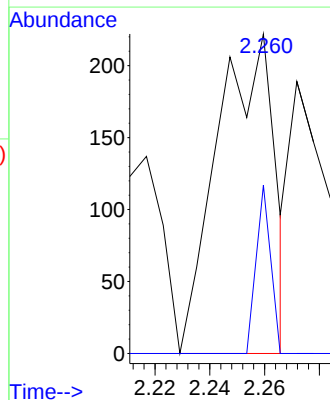
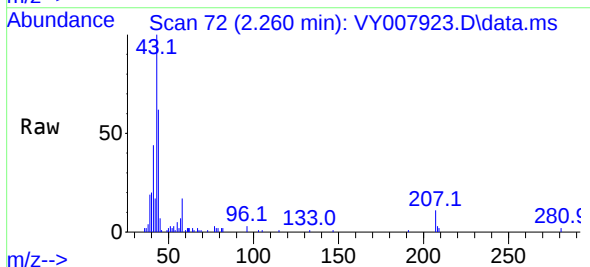
Instrument :
MSVOA_Y
ClientSampleId :
C-3-2-3

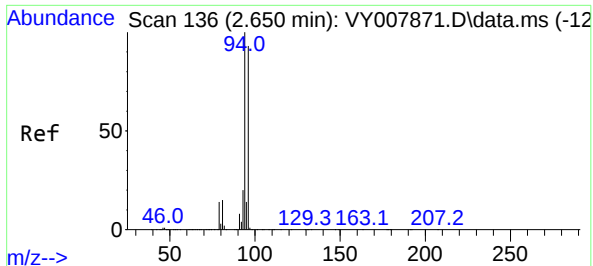
Tgt Ion: 50 Resp: 1076
Ion Ratio Lower Upper
50 100
52 19.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.260 min Scan# 72
Delta R.T. 0.006 min
Lab File: VY007923.D
Acq: 19 Mar 2022 00:52

Tgt Ion: 62 Resp: 323
Ion Ratio Lower Upper
62 100
64 52.7 25.0 37.6#

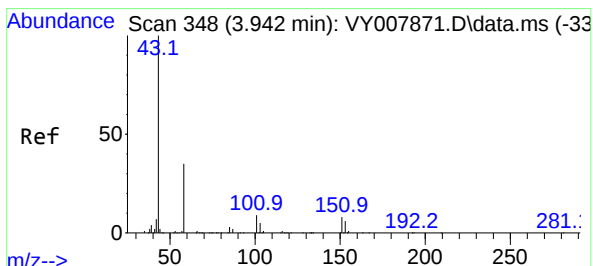
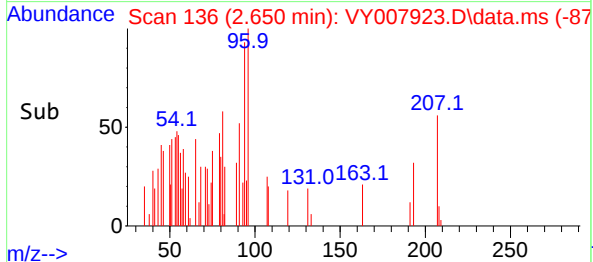
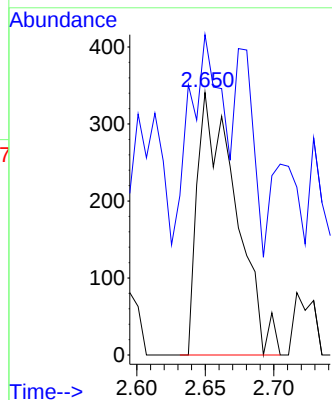
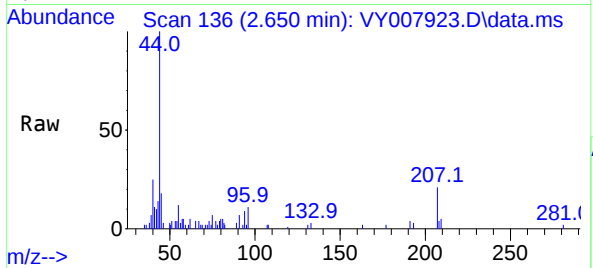




#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007923.D
Acq: 19 Mar 2022 00:52

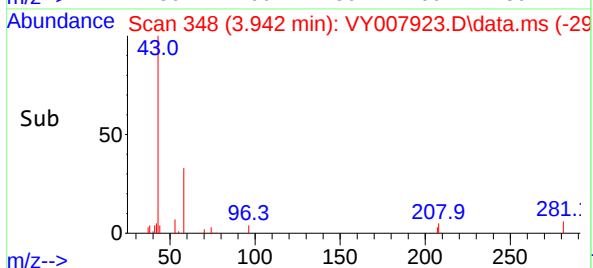
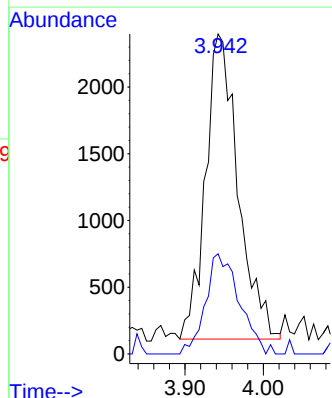
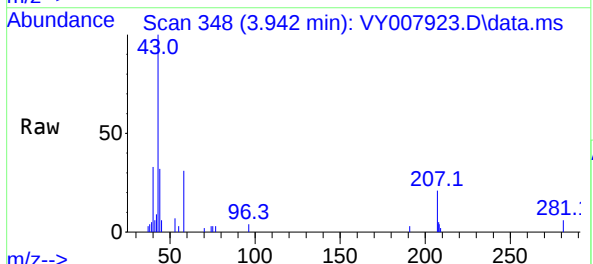
Instrument :
MSVOA_Y
ClientSampleId :
C-3-2-3

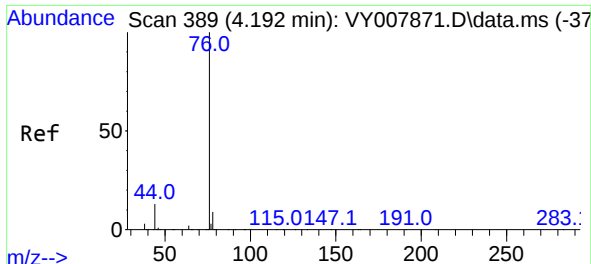
Tgt Ion: 94 Resp: 665
Ion Ratio Lower Upper
94 100
96 61.3 73.5 110.3#



#16
Acetone
Concen: 8.516 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY007923.D
Acq: 19 Mar 2022 00:52

Tgt Ion: 43 Resp: 6619
Ion Ratio Lower Upper
43 100
58 32.8 22.0 33.0

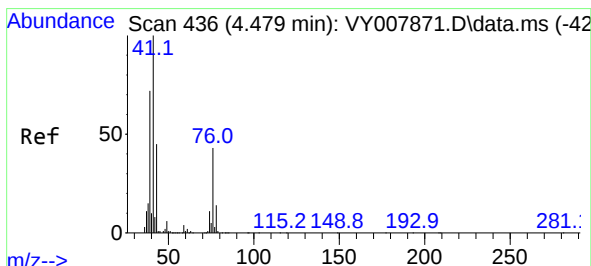
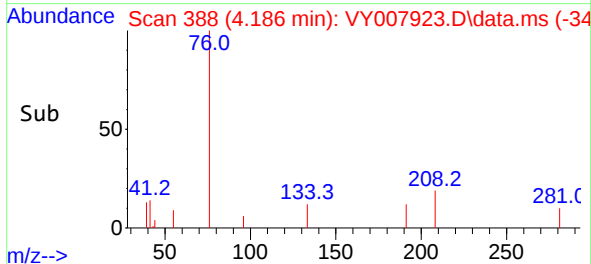
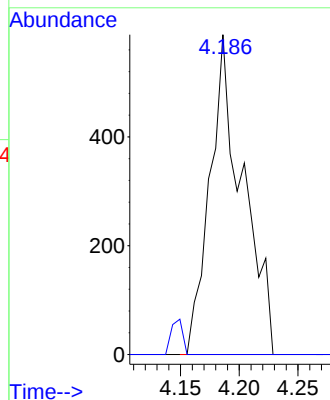
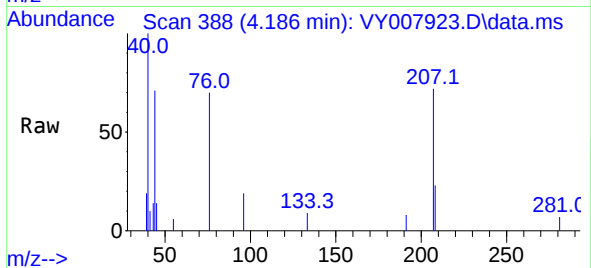




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY007923.D
Acq: 19 Mar 2022 00:52

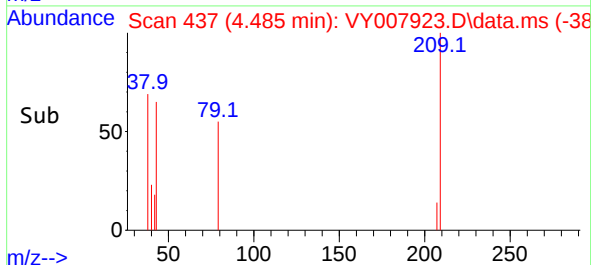
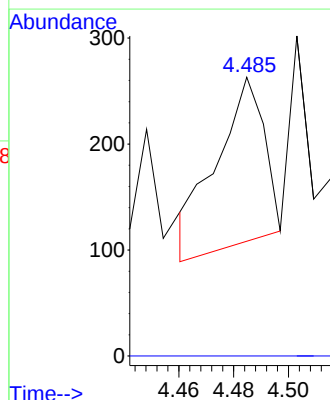
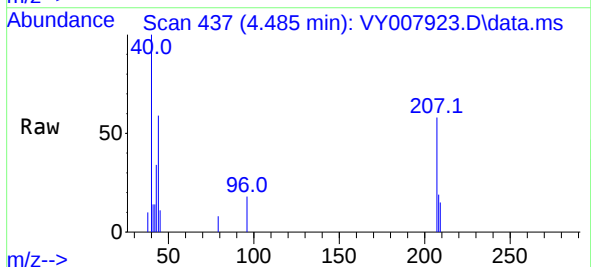
Instrument :
MSVOA_Y
ClientSampleId :
C-3-2-3

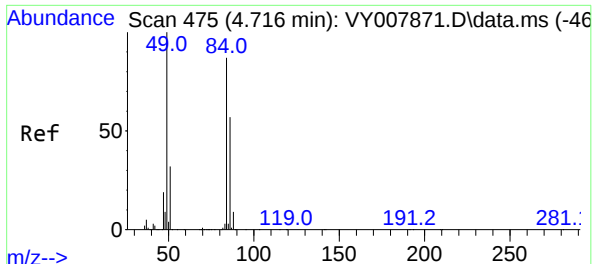
Tgt Ion: 76 Resp: 1141
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 437
Delta R.T. 0.012 min
Lab File: VY007923.D
Acq: 19 Mar 2022 00:52

Tgt Ion: 43 Resp: 191
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



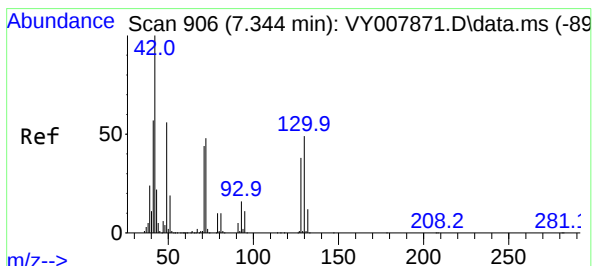
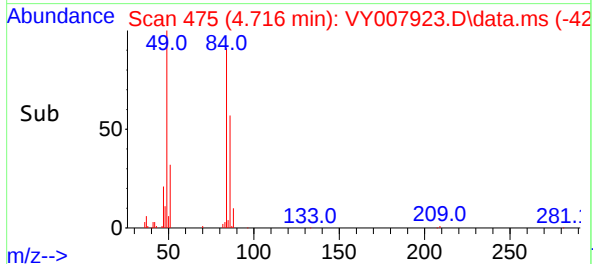
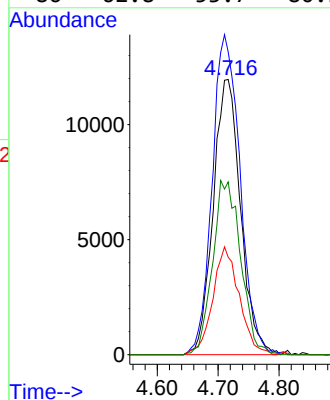
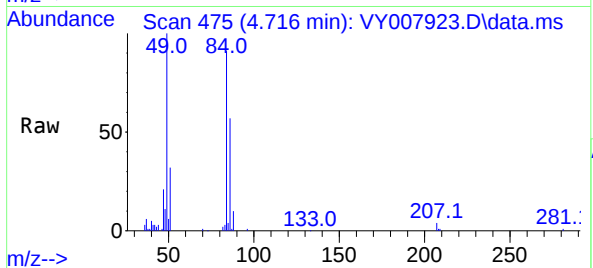


#20
Methylene Chloride
Concen: 8.532 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY007923.D
Acq: 19 Mar 2022 00:52

Instrument :
MSVOA_Y
ClientSampleId :
C-3-2-3

Tgt Ion: 84 Resp: 37282

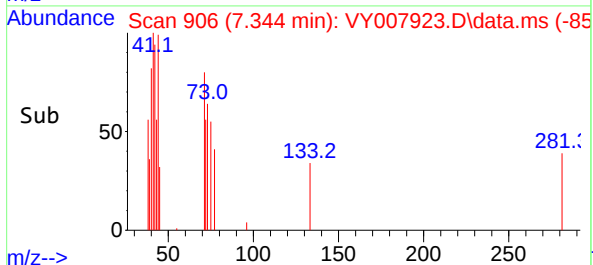
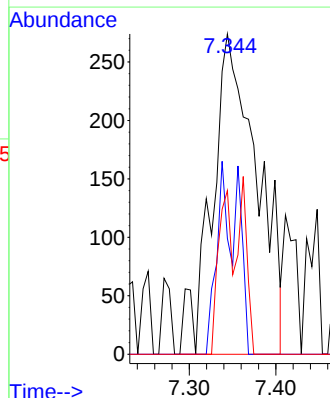
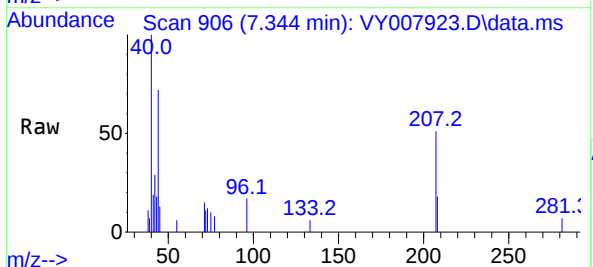
Ion	Ratio	Lower	Upper
84	100		
49	110.0	114.4	171.6#
51	35.4	35.3	52.9
86	62.8	53.7	80.5

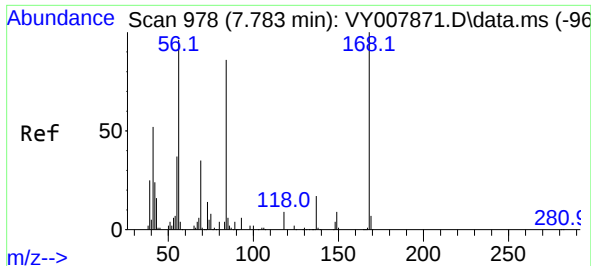


#29
Tetrahydrofuran
Concen: 1.254 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY007923.D
Acq: 19 Mar 2022 00:52

Tgt Ion: 42 Resp: 1000

Ion	Ratio	Lower	Upper
42	100		
72	17.3	30.3	45.5#
71	15.1	29.0	43.4#





#31

Cyclohexane

Concen: Below Cal

RT: 7.795 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY007923.D

Acq: 19 Mar 2022 00:52

Instrument :

MSVOA_Y

ClientSampleId :

C-3-2-3

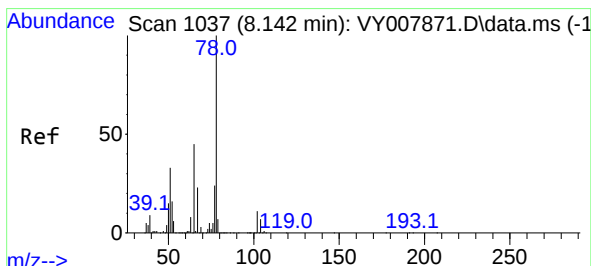
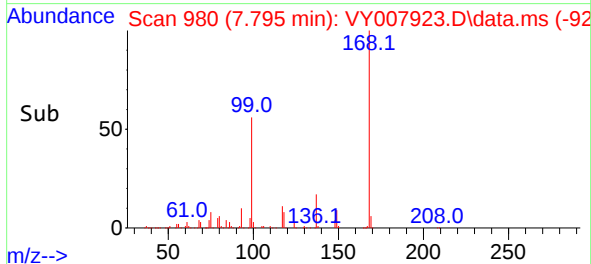
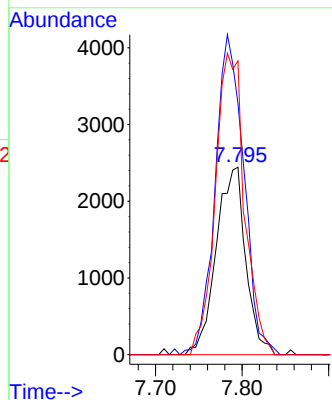
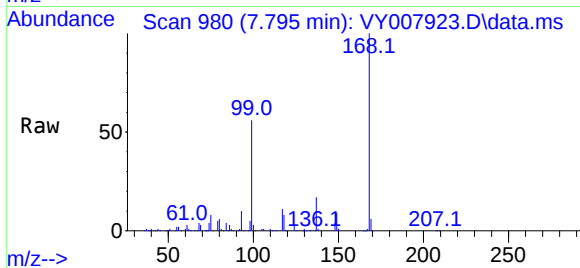
Tgt Ion: 56 Resp: 5789

Ion Ratio Lower Upper

56 100

69 133.9 26.7 40.1#

84 156.7 67.2 100.8#



#33

1,2-Dichloroethane-d4

Concen: 56.833 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY007923.D

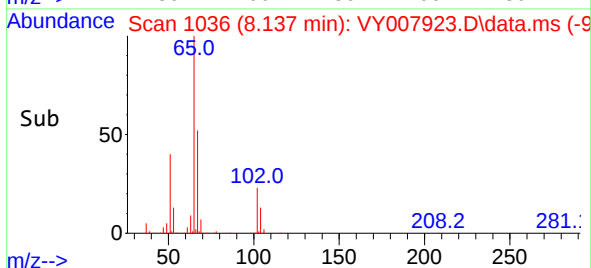
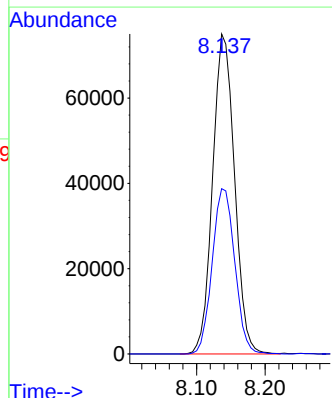
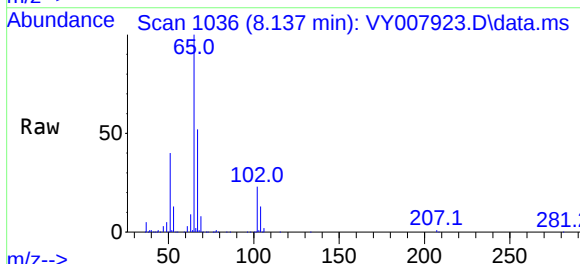
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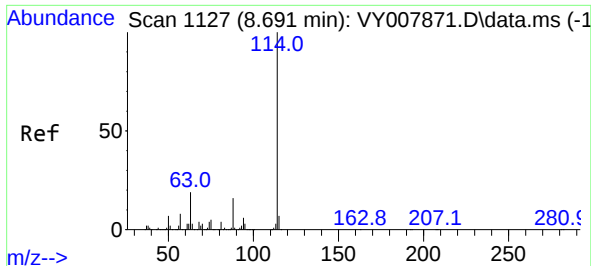
Tgt Ion: 65 Resp: 166513

Ion Ratio Lower Upper

65 100

67 53.3 0.0 99.4

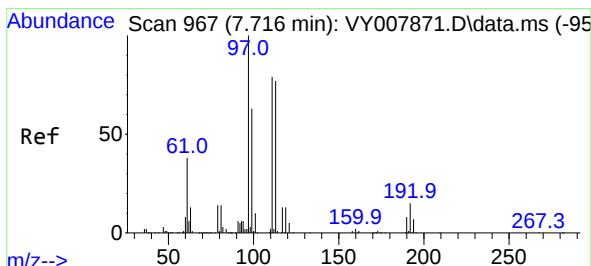
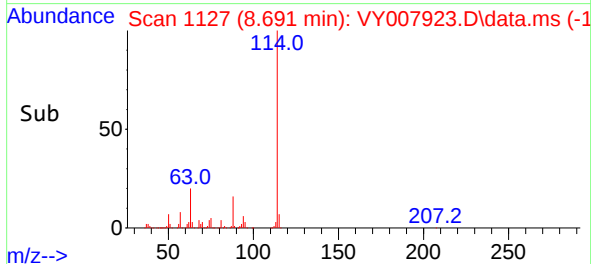
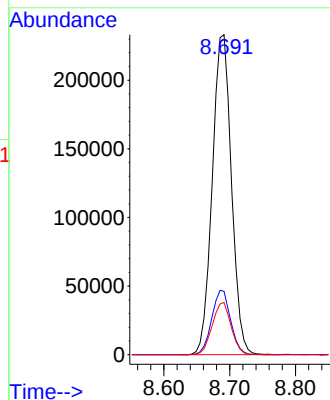
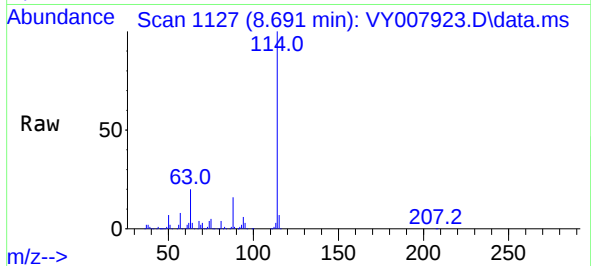




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY007923.D
Acq: 19 Mar 2022 00:52

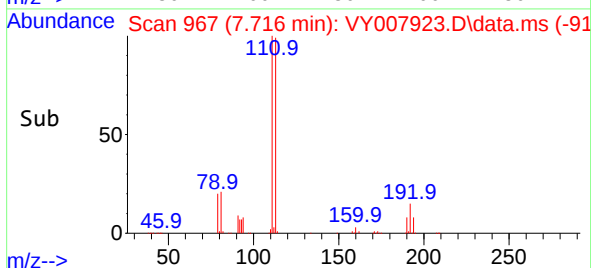
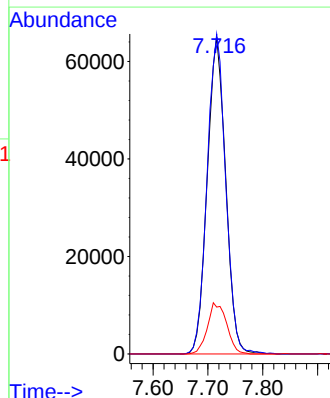
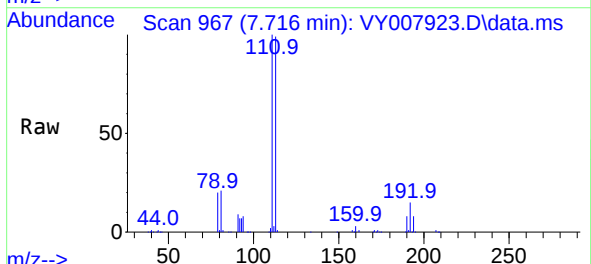
Instrument :
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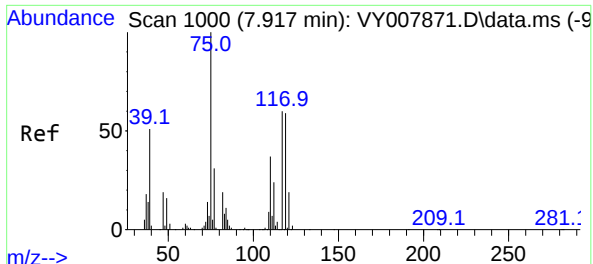
Tgt Ion:114 Resp: 472388
Ion Ratio Lower Upper
114 100
63 19.8 0.0 43.2
88 16.3 0.0 31.8



#35
Dibromofluoromethane
Concen: 45.633 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY007923.D
Acq: 19 Mar 2022 00:52

Tgt Ion:113 Resp: 151389
Ion Ratio Lower Upper
113 100
111 101.7 82.6 124.0
192 16.9 17.6 26.4#





#36

1,1-Dichloropropene

Concen: 4.424 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY007923.D

Acq: 19 Mar 2022 00:52

Instrument :

MSVOA_Y

ClientSampleId :

C-3-2-3

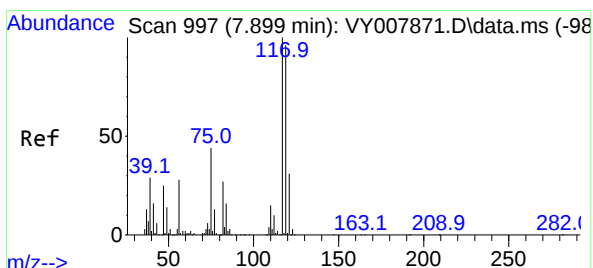
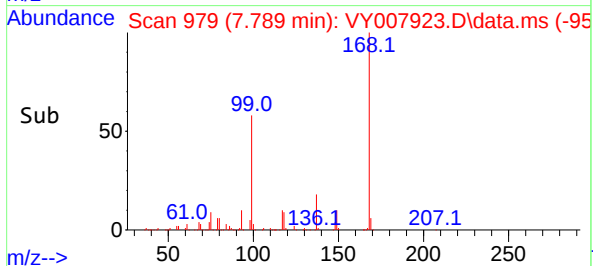
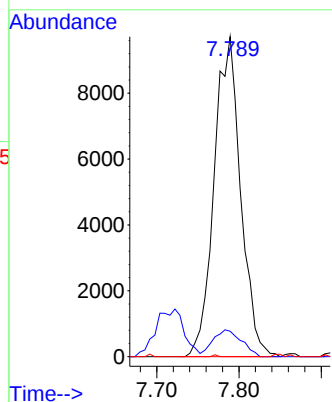
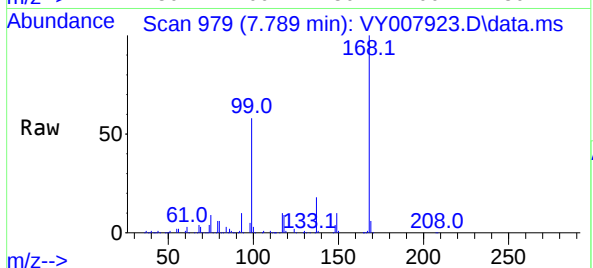
Tgt Ion: 75 Resp: 21768

Ion Ratio Lower Upper

75 100

110 9.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.200 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY007923.D

Acq: 19 Mar 2022 00:52

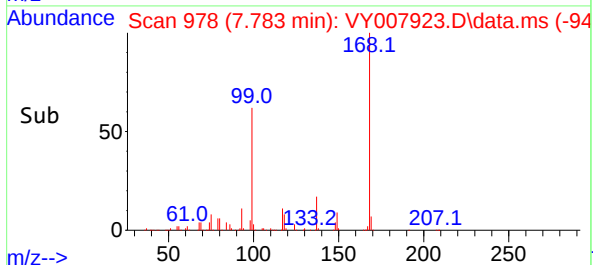
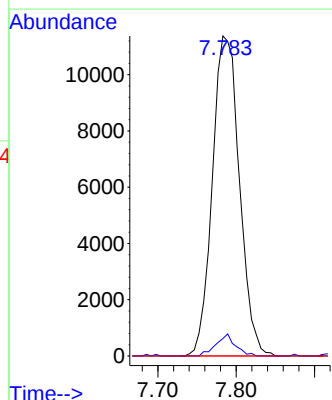
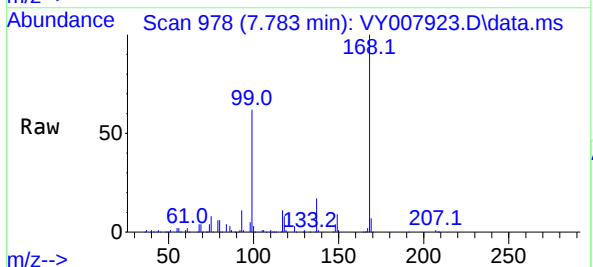
Tgt Ion: 117 Resp: 27342

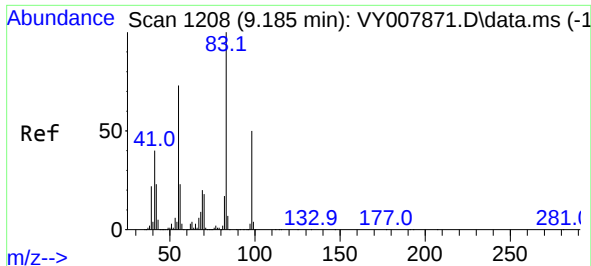
Ion Ratio Lower Upper

117 100

119 5.4 77.9 116.9#

121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: Below Cal

RT: 9.173 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY007923.D

Acq: 19 Mar 2022 00:52

Instrument :

MSVOA_Y

ClientSampleId :

C-3-2-3

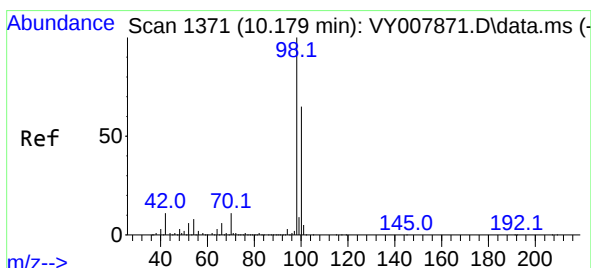
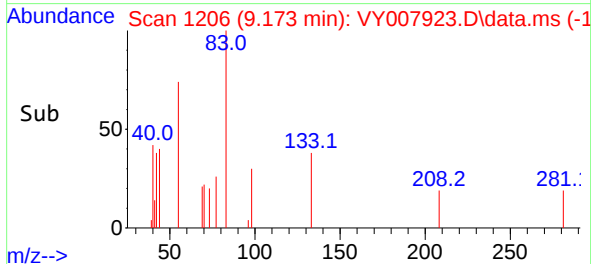
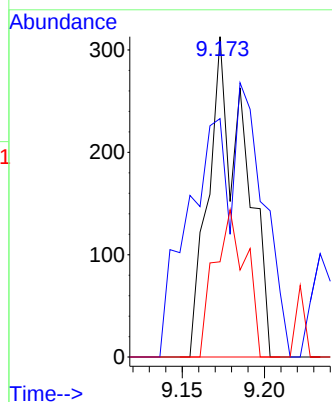
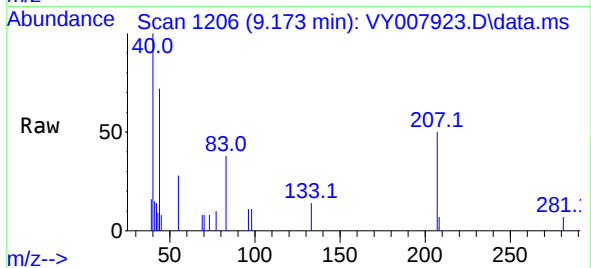
Tgt Ion: 83 Resp: 476

Ion Ratio Lower Upper

83 100

55 54.3 66.5 99.7#

98 29.7 37.9 56.9#



#50

Toluene-d8

Concen: 57.616 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY007923.D

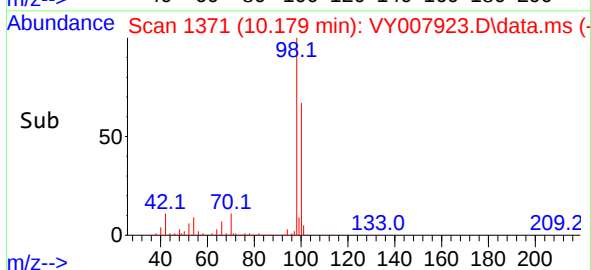
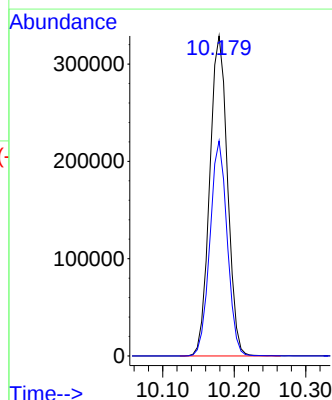
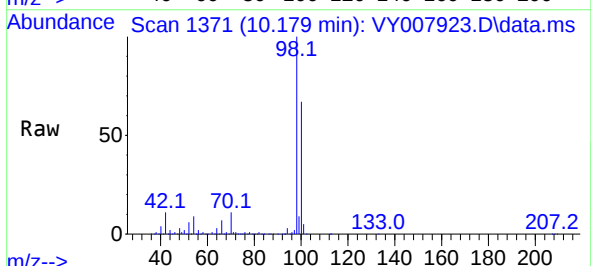
Acq: 19 Mar 2022 00:52

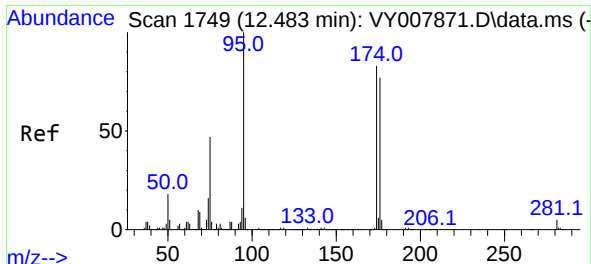
Tgt Ion: 98 Resp: 568175

Ion Ratio Lower Upper

98 100

100 65.1 50.2 75.2

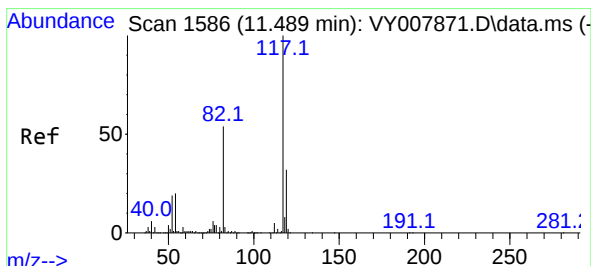
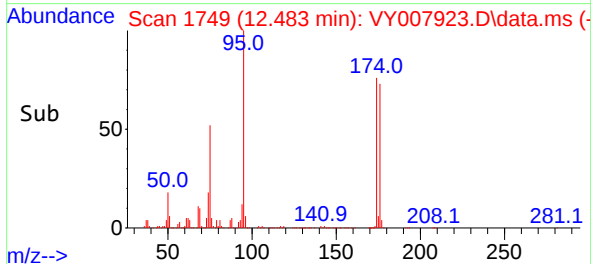
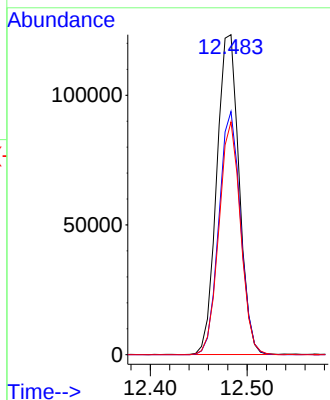
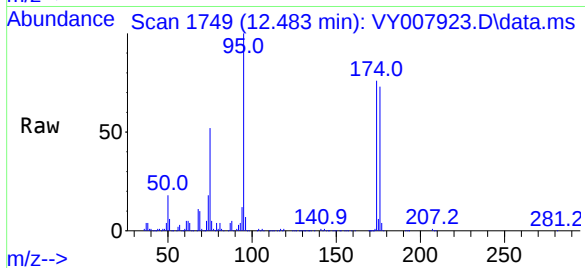




#62
4-Bromofluorobenzene
Concen: 41.553 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007923.D
Acq: 19 Mar 2022 00:52

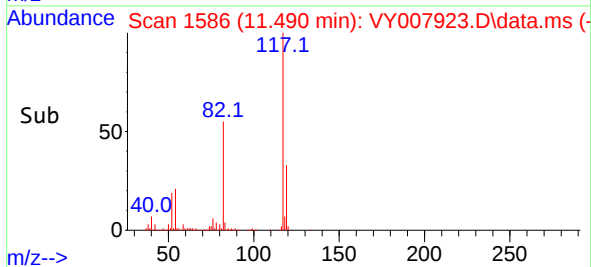
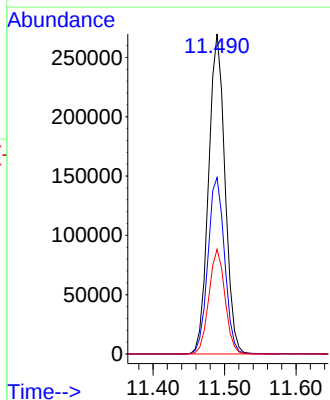
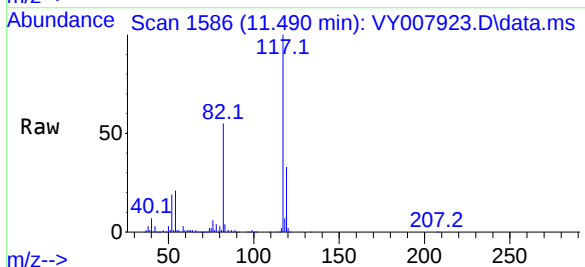
Instrument :
MSVOA_Y
ClientSampleId :
C-3-2-3

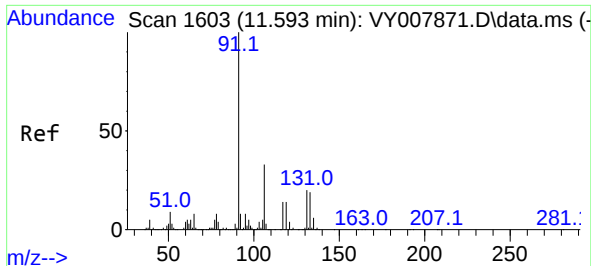
Tgt Ion: 95 Resp: 197845
Ion Ratio Lower Upper
95 100
174 73.4 0.0 177.0
176 70.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY007923.D
Acq: 19 Mar 2022 00:52

Tgt Ion: 117 Resp: 429860
Ion Ratio Lower Upper
117 100
82 55.1 43.0 64.4
119 32.7 25.4 38.0





#67

Ethyl Benzene

Concen: 2.943 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY007923.D

Acq: 19 Mar 2022 00:52

Instrument :

MSVOA_Y

ClientSampleId :

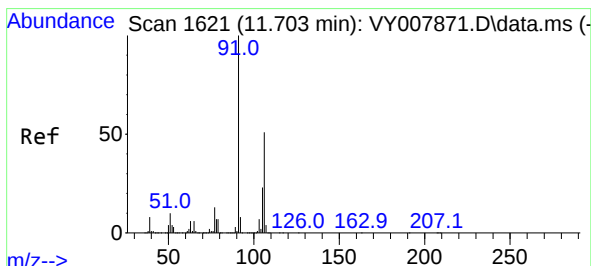
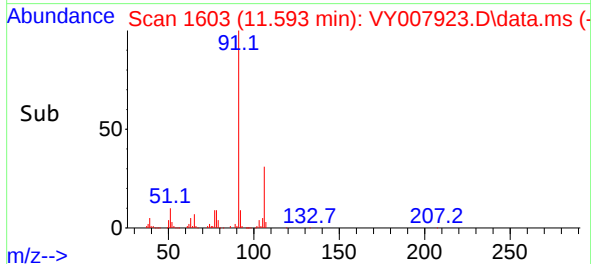
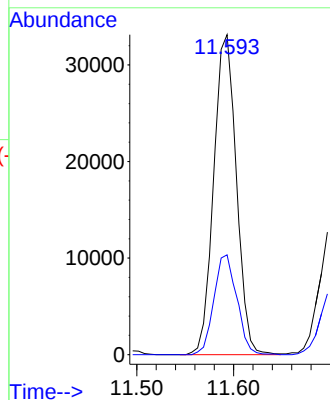
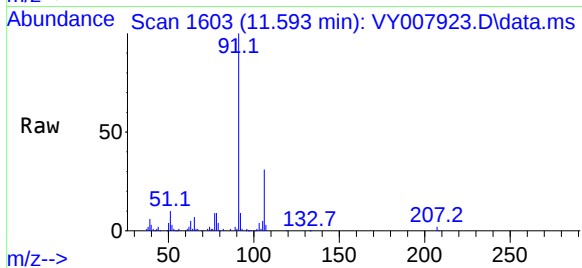
C-3-2-3

Tgt Ion: 91 Resp: 53978

Ion Ratio Lower Upper

91 100

106 31.2 24.5 36.7



#68

m/p-Xylenes

Concen: 1.656 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.000 min

Lab File: VY007923.D

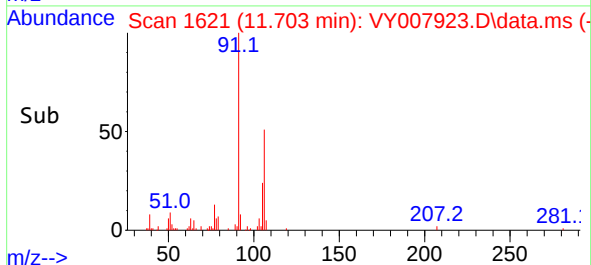
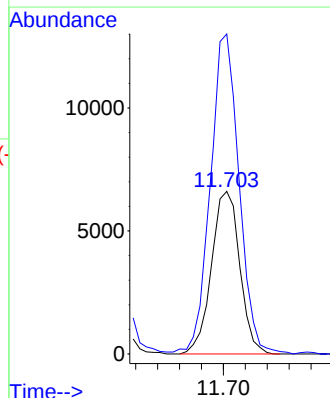
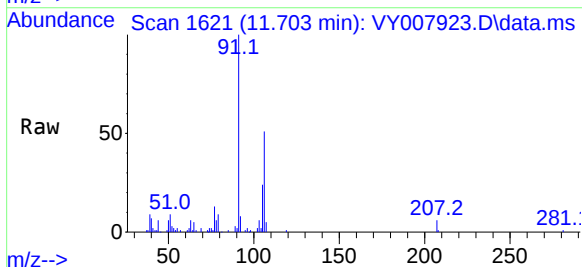
Acq: 19 Mar 2022 00:52

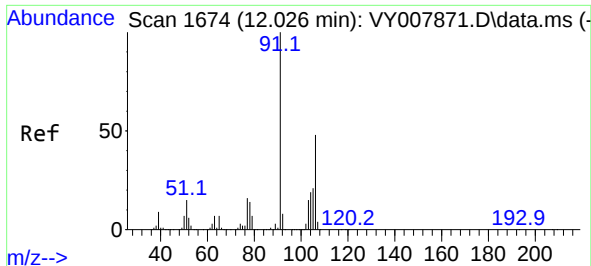
Tgt Ion:106 Resp: 11850

Ion Ratio Lower Upper

106 100

91 199.6 166.6 249.8

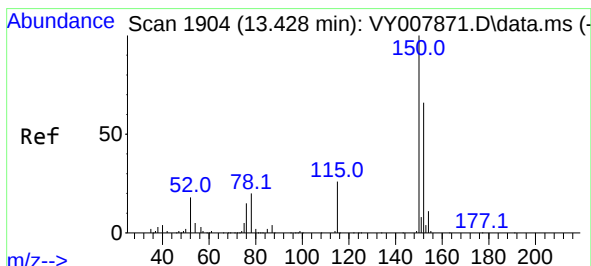
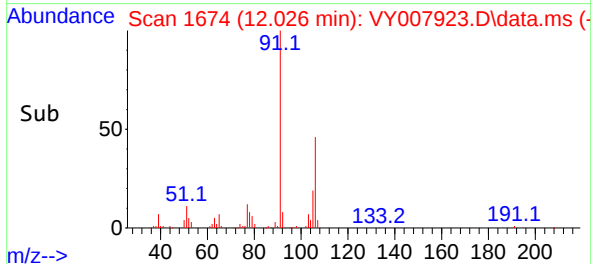
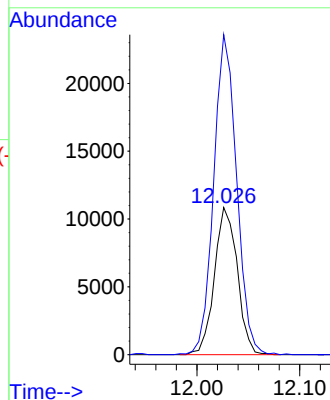
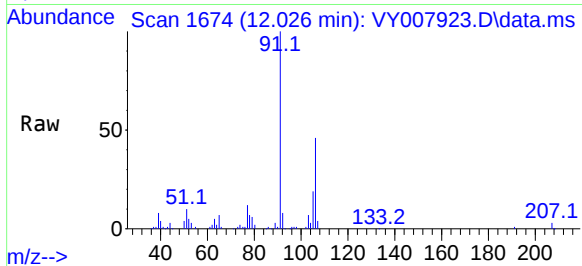




#69
o-Xylene
Concen: 2.417 ug/l
RT: 12.026 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007923.D
Acq: 19 Mar 2022 00:52

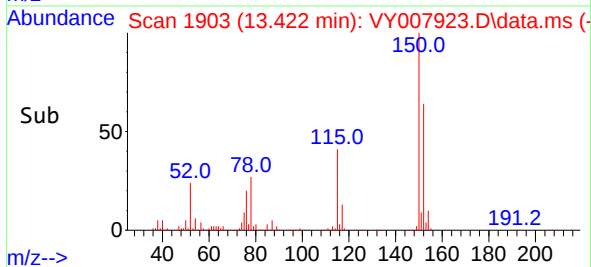
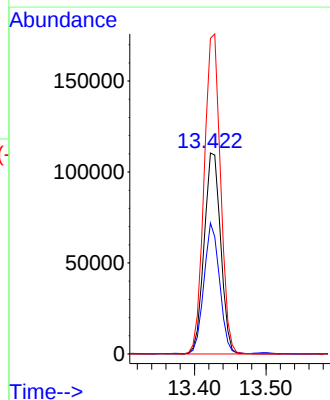
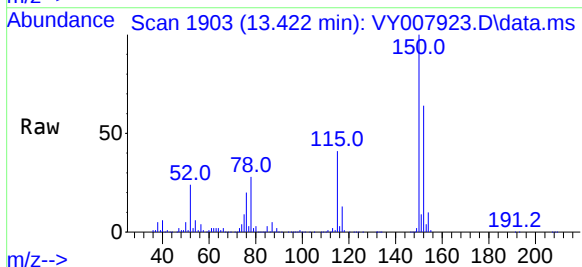
Instrument :
MSVOA_Y
ClientSampleId :
C-3-2-3

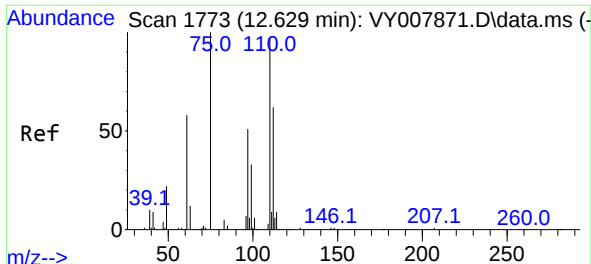
Tgt Ion:106 Resp: 16728
Ion Ratio Lower Upper
106 100
91 218.5 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY007923.D
Acq: 19 Mar 2022 00:52

Tgt Ion:152 Resp: 177363
Ion Ratio Lower Upper
152 100
115 61.6 28.2 84.7
150 157.9 0.0 347.6

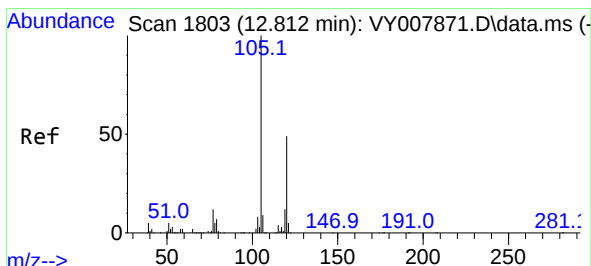
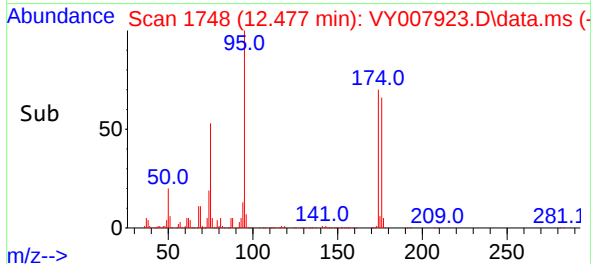
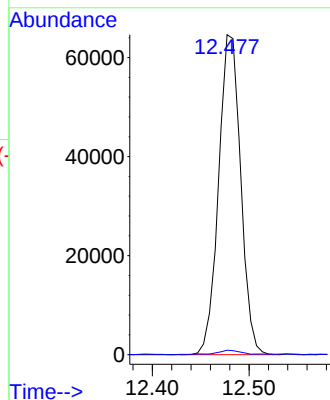
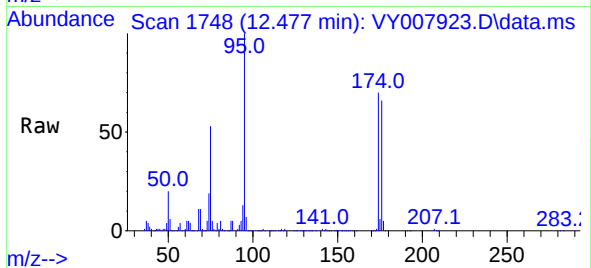




#76
1,2,3-Trichloropropane
Concen: 40.499 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.158 min
Lab File: VY007923.D
Acq: 19 Mar 2022 00:52

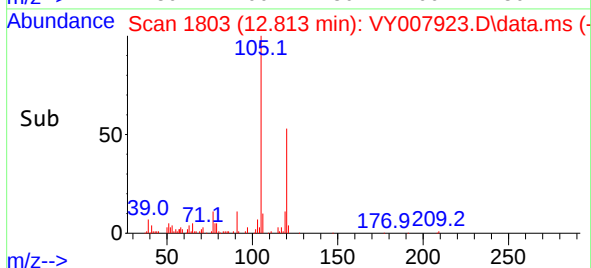
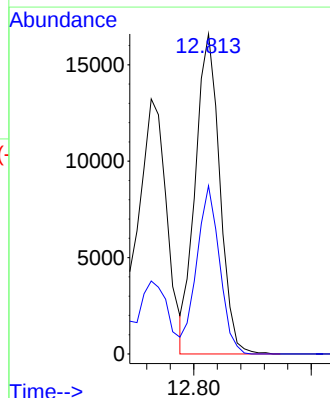
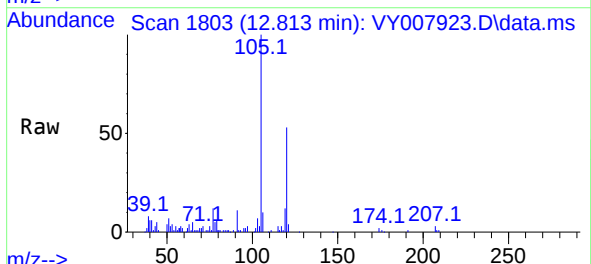
Instrument :
MSVOA_Y
ClientSampleId :
C-3-2-3

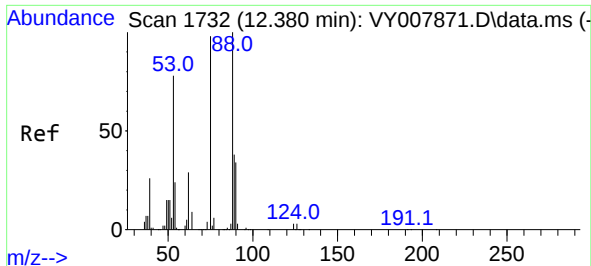
Tgt Ion: 75 Resp: 102382
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.866 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY007923.D
Acq: 19 Mar 2022 00:52

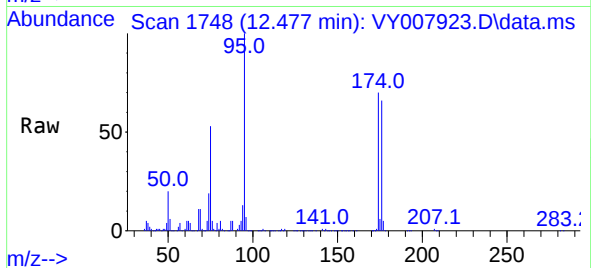
Tgt Ion:105 Resp: 23962
Ion Ratio Lower Upper
105 100
120 49.3 24.4 73.4





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.064 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY007923.D
 Acq: 19 Mar 2022 00:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-3-2-3



Tgt Ion: 75 Resp: 102382
 Ion Ratio Lower Upper
 75 100
 53 0.3 85.3 127.9#
 89 0.0 37.0 55.4#

