

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122122\
 Data File : VY011952.D
 Acq On : 21 Dec 2022 17:20
 Operator : KP/MD
 Sample : N6088-02
 Misc : 1.84g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-27-5B02

Quant Time: Dec 22 00:14:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

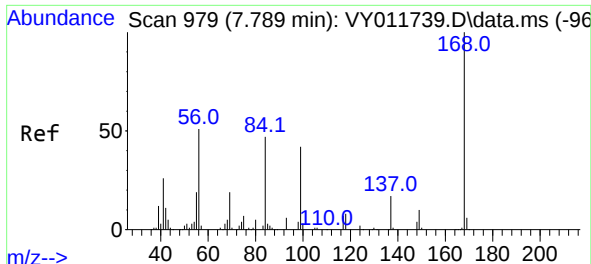
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	232833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	406475	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	377761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	148833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	138731	59.142	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.280%			
35) Dibromofluoromethane	7.716	113	126223	51.581	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.160%			
50) Toluene-d8	10.179	98	492784	49.634	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.260%			
62) 4-Bromofluorobenzene	12.483	95	156897	46.987	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.980%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	79	2.508	ug/l #	41
11) Tert butyl alcohol	4.942	59	1117	Below Cal	#	74
13) Acrolein	3.729	56	738	3.366	ug/l #	14
16) Acetone	3.948	43	178629	254.963	ug/l	97
17) Carbon Disulfide	4.198	76	15758	2.243	ug/l	95
20) Methylene Chloride	4.710	84	19506	1.365	ug/l	91
25) 2-Butanone	6.984	43	74319	95.112	ug/l	95
31) Cyclohexane	7.783	56	5505	1.394	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	16923	4.311	ug/l #	51
37) Ethyl Acetate	6.984	43	74319	42.201	ug/l #	69
38) Carbon Tetrachloride	7.789	117	22976	5.068	ug/l #	18
69) o-Xylene	12.032	106	7274	1.418	ug/l	99
76) 1,2,3-Trichloropropane	12.483	75	79591	42.976	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	15287	1.617	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.483	75	79591	117.690	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.117	105	24821	2.668	ug/l	95
85) sec-Butylbenzene	13.117	105	24821	2.074	ug/l #	56
89) n-Butylbenzene	13.629	91	20630	2.257	ug/l #	42
95) Naphthalene	15.233	128	77045	16.053	ug/l	99

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

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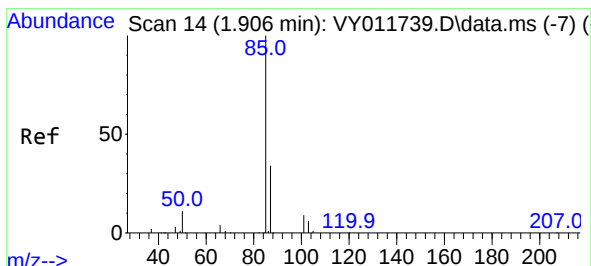
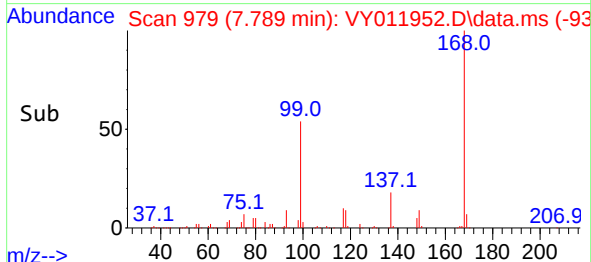
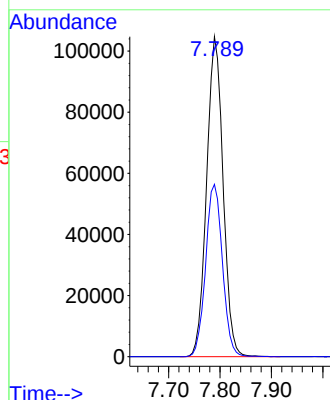
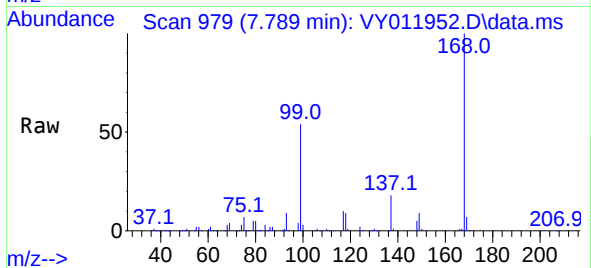




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011952.D
Acq: 21 Dec 2022 17:20

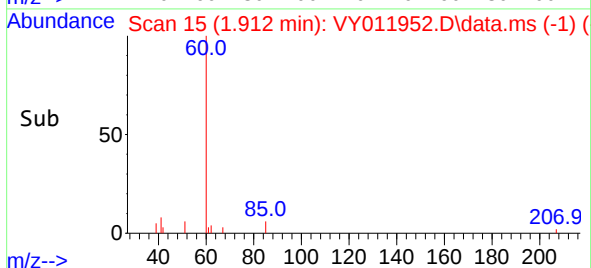
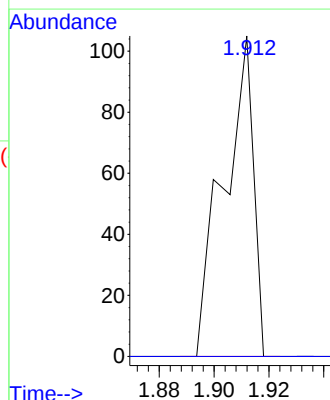
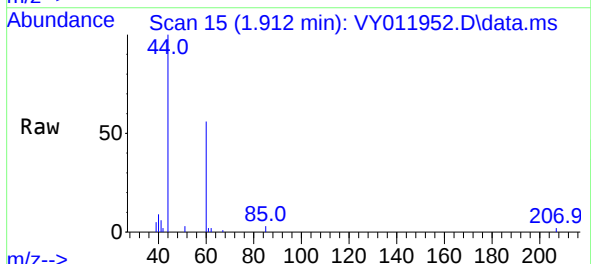
Instrument :
MSVOA_Y
ClientSampleId :
B-27-5B02

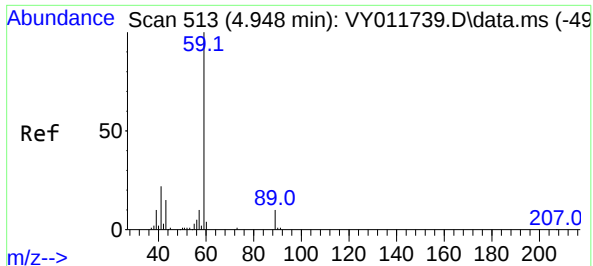
Tgt Ion:168 Resp: 232833
Ion Ratio Lower Upper
168 100
99 53.9 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.508 ug/l
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY011952.D
Acq: 21 Dec 2022 17:20

Tgt Ion: 85 Resp: 79
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 513

Delta R.T. -0.006 min

Lab File: VY011952.D

Acq: 21 Dec 2022 17:20

Instrument :

MSVOA_Y

ClientSampleId :

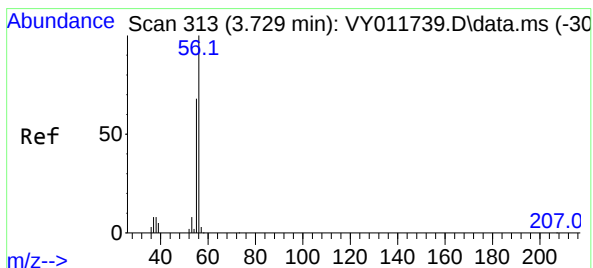
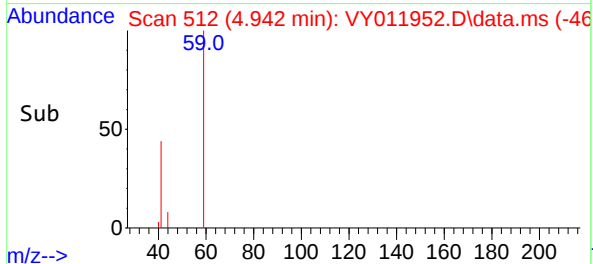
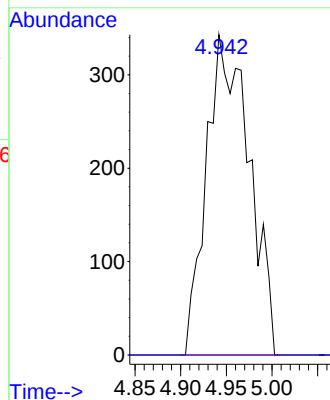
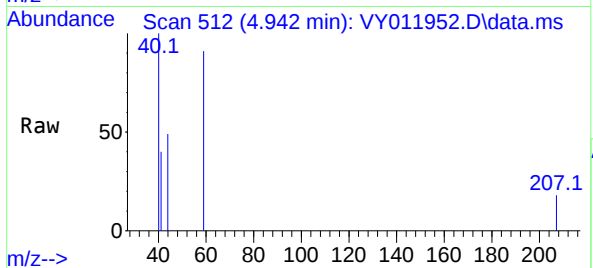
B-27-5B02

Tgt Ion: 59 Resp: 1117

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#13

Acrolein

Concen: 3.366 ug/l

RT: 3.729 min Scan# 313

Delta R.T. -0.000 min

Lab File: VY011952.D

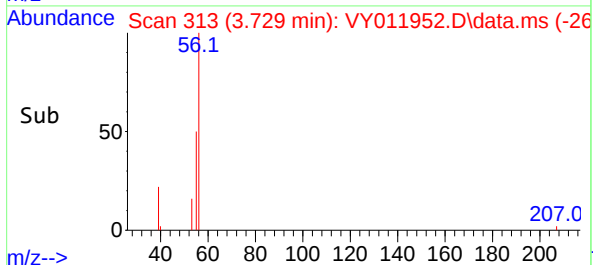
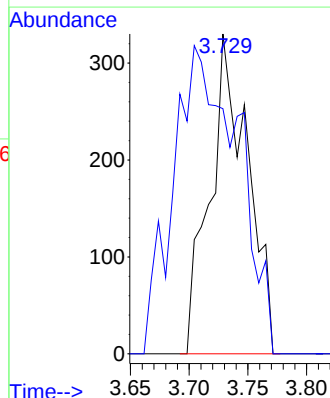
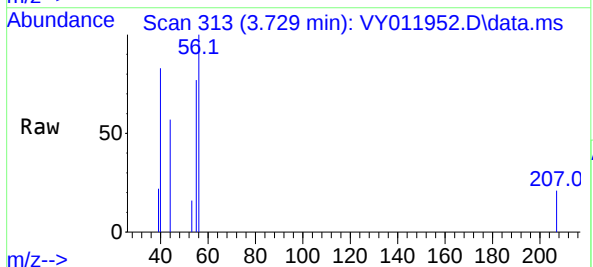
Acq: 21 Dec 2022 17:20

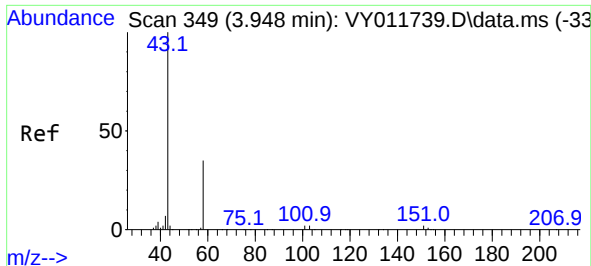
Tgt Ion: 56 Resp: 738

Ion Ratio Lower Upper

56 100

55 0.0 56.6 85.0#

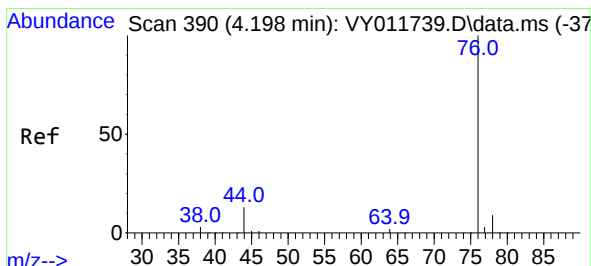
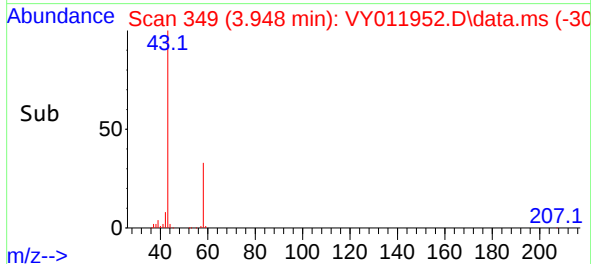
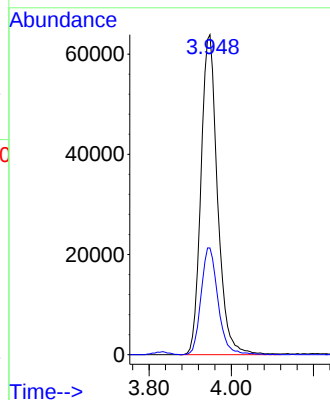
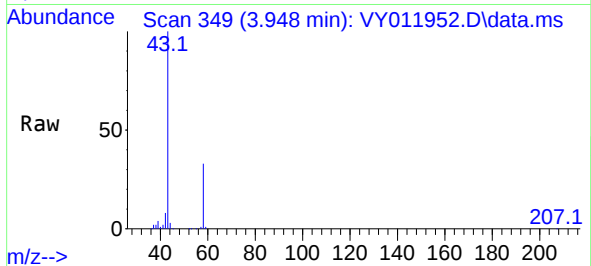




#16
Acetone
Concen: 254.963 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011952.D
Acq: 21 Dec 2022 17:20

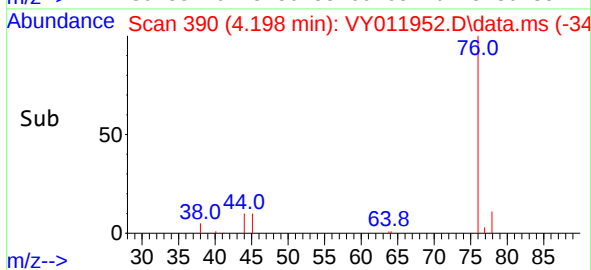
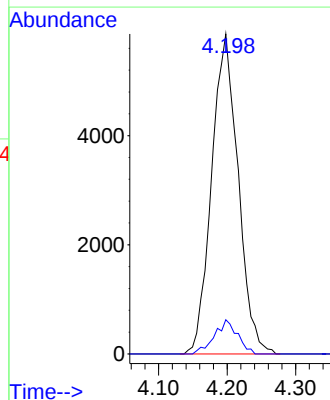
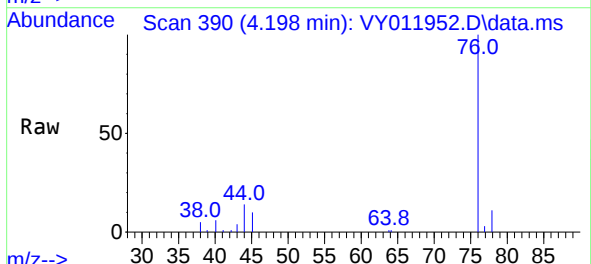
Instrument :
MSVOA_Y
ClientSampleId :
B-27-5B02

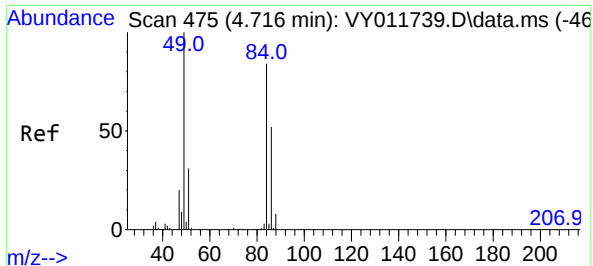
Tgt Ion: 43 Resp: 178629
Ion Ratio Lower Upper
43 100
58 33.3 27.9 41.9



#17
Carbon Disulfide
Concen: 2.243 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.000 min
Lab File: VY011952.D
Acq: 21 Dec 2022 17:20

Tgt Ion: 76 Resp: 15758
Ion Ratio Lower Upper
76 100
78 10.7 7.2 10.8



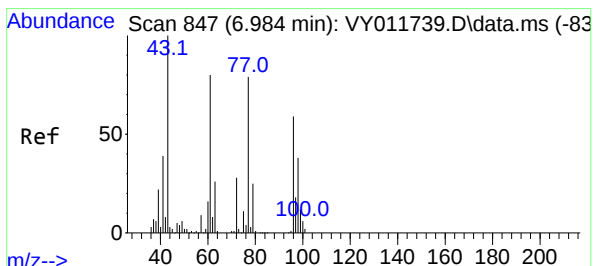
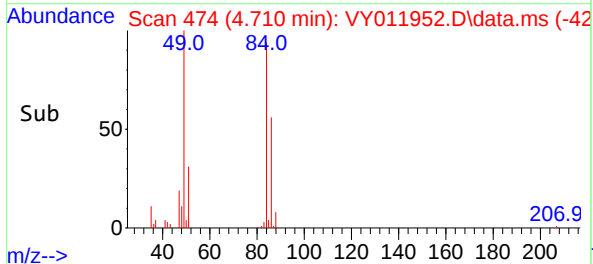
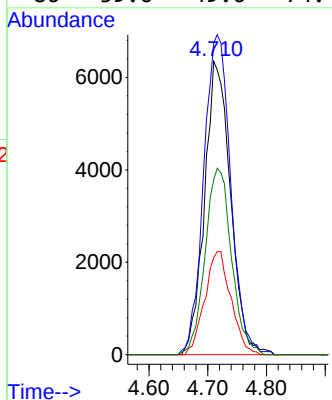
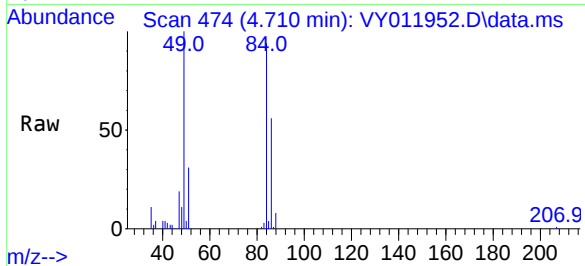


#20
Methylene Chloride
Concen: 1.365 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011952.D
Acq: 21 Dec 2022 17:20

Instrument :
MSVOA_Y
ClientSampleId :
B-27-5B02

Tgt Ion: 84 Resp: 19506

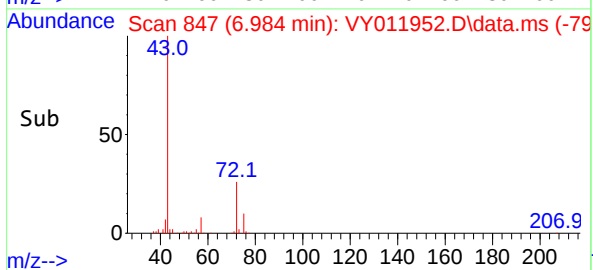
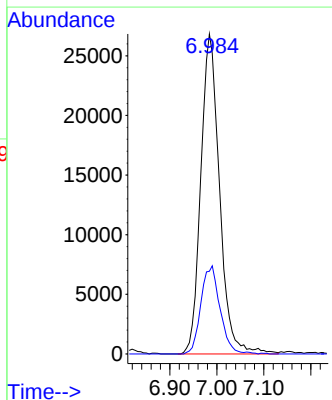
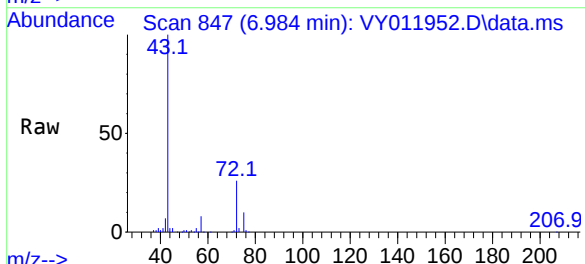
Ion	Ratio	Lower	Upper
84	100		
49	106.3	95.4	143.2
51	33.0	29.9	44.9
86	59.6	49.6	74.4

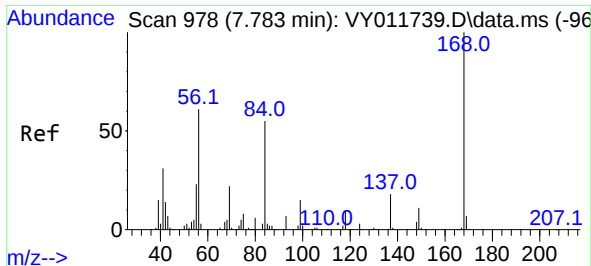


#25
2-Butanone
Concen: 95.112 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY011952.D
Acq: 21 Dec 2022 17:20

Tgt Ion: 43 Resp: 74319

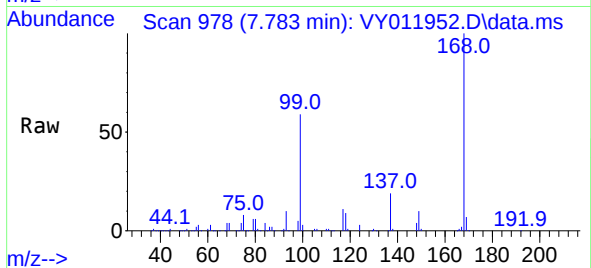
Ion	Ratio	Lower	Upper
43	100		
72	25.8	22.6	34.0



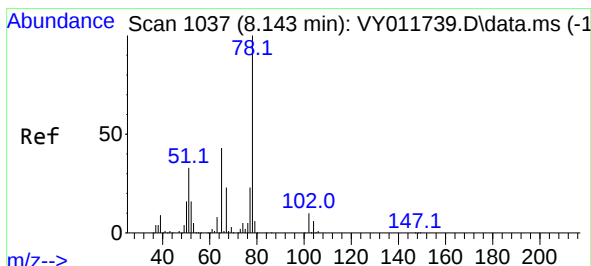
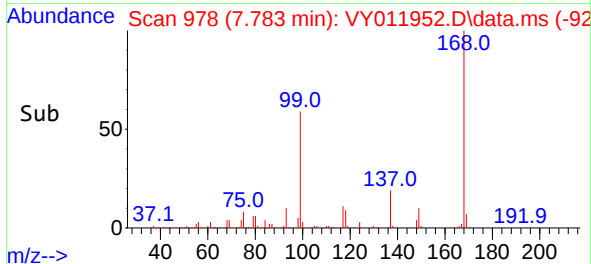
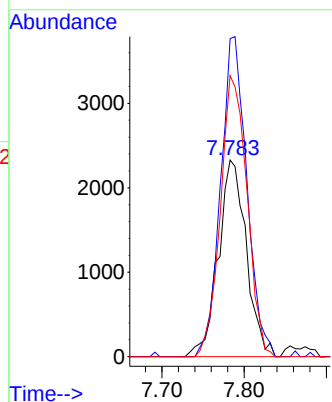


#31
Cyclohexane
Concen: 1.394 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011952.D
Acq: 21 Dec 2022 17:20

Instrument :
MSVOA_Y
ClientSampleId :
B-27-5B02

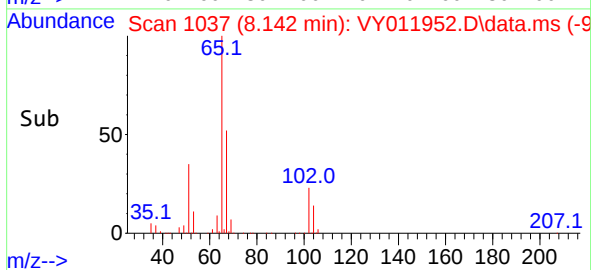
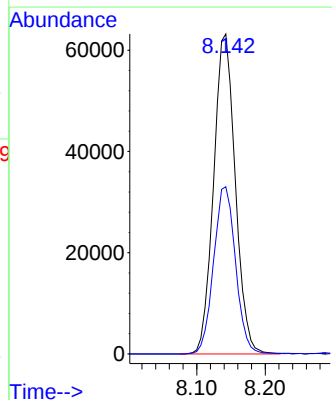
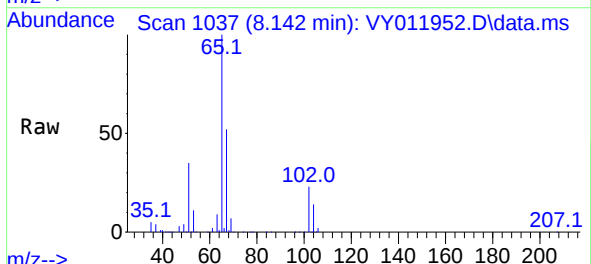


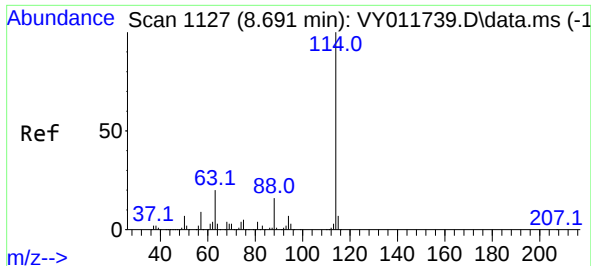
Tgt Ion: 56 Resp: 5505
Ion Ratio Lower Upper
56 100
69 161.8 29.2 43.8#
84 142.9 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 59.142 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011952.D
Acq: 21 Dec 2022 17:20

Tgt Ion: 65 Resp: 138731
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011952.D

Acq: 21 Dec 2022 17:20

Instrument :

MSVOA_Y

ClientSampleId :

B-27-5B02

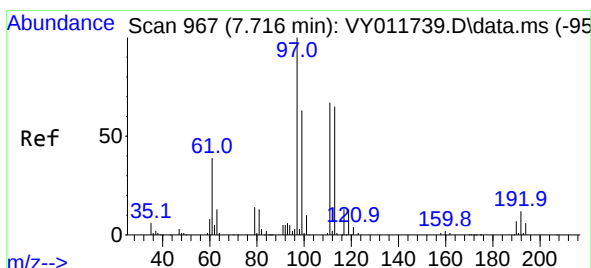
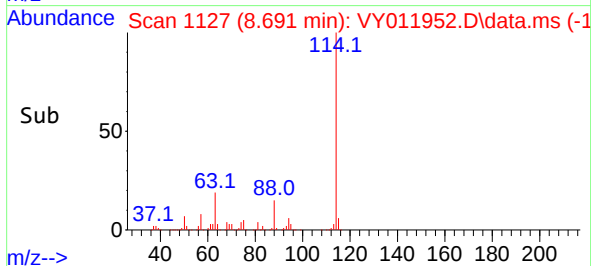
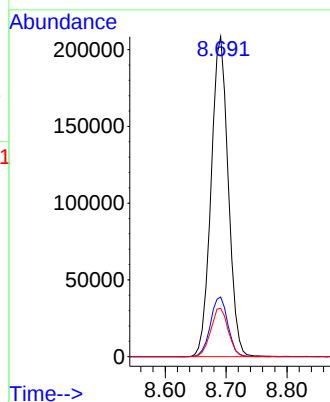
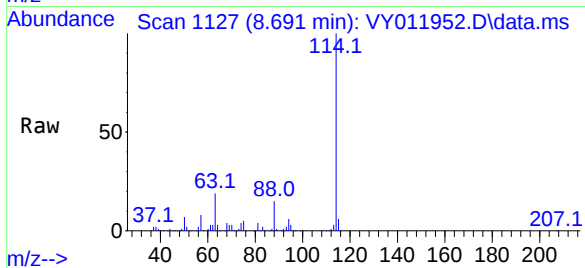
Tgt Ion:114 Resp: 406475

Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.6

88 15.1 0.0 32.2



#35

Dibromofluoromethane

Concen: 51.581 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011952.D

Acq: 21 Dec 2022 17:20

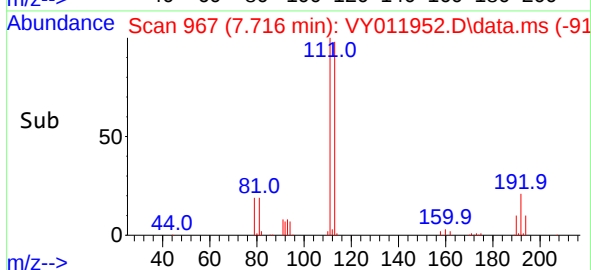
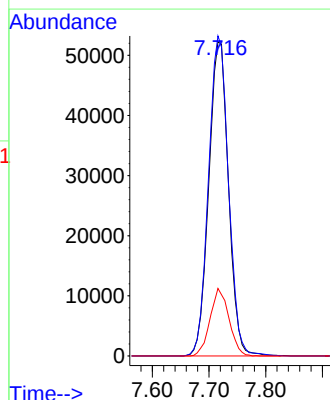
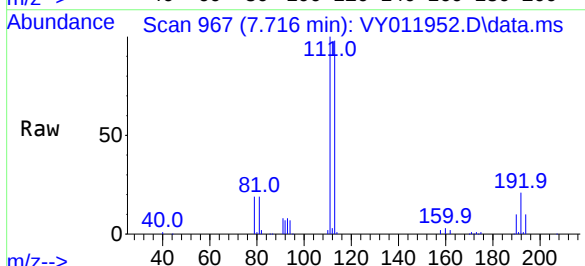
Tgt Ion:113 Resp: 126223

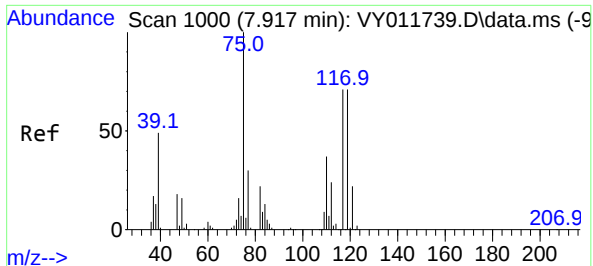
Ion Ratio Lower Upper

113 100

111 103.2 83.0 124.4

192 20.6 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.311 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011952.D

Acq: 21 Dec 2022 17:20

Instrument :

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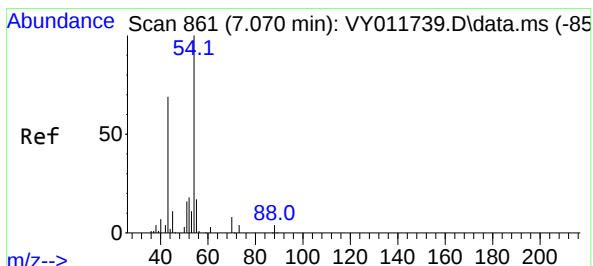
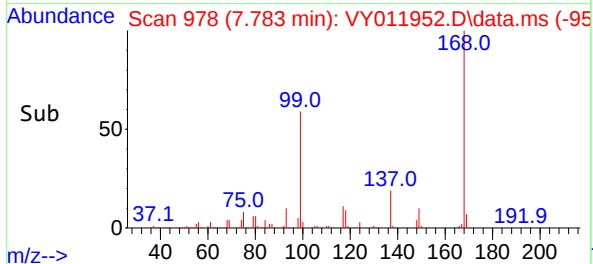
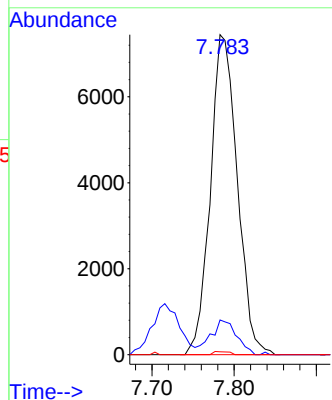
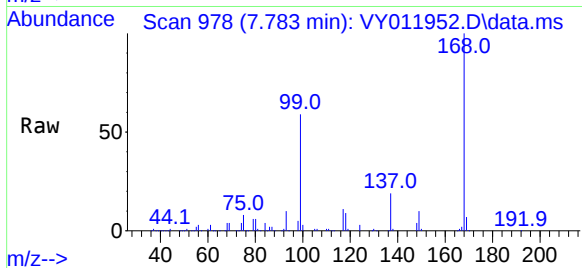
Tgt Ion: 75 Resp: 16923

Ion Ratio Lower Upper

75 100

110 10.5 18.1 54.1#

77 0.6 25.1 37.7#



#37

Ethyl Acetate

Concen: 42.201 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY011952.D

Acq: 21 Dec 2022 17:20

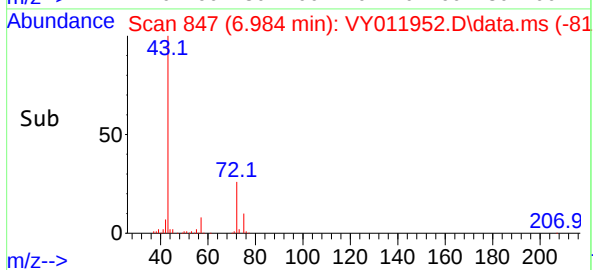
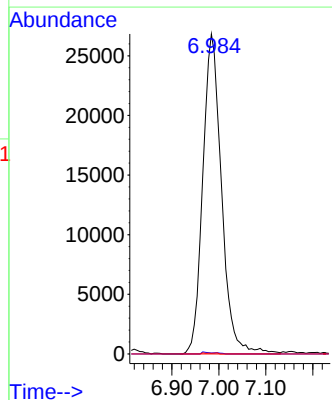
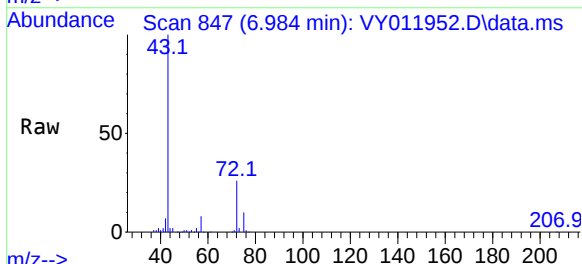
Tgt Ion: 43 Resp: 74319

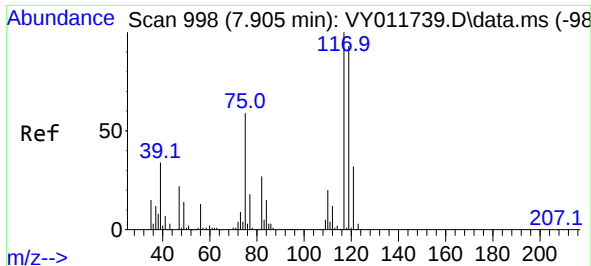
Ion Ratio Lower Upper

43 100

61 0.2 11.3 16.9#

70 0.1 8.2 12.4#

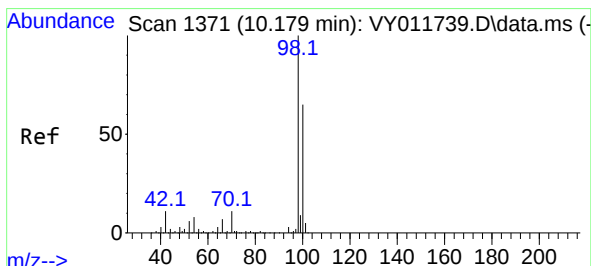
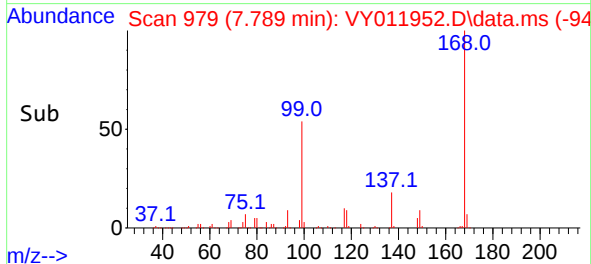
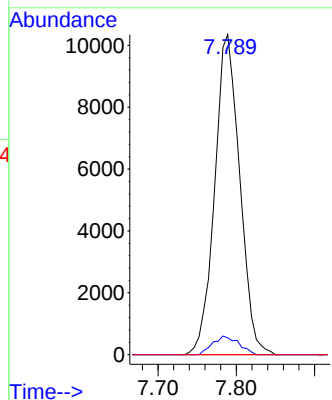
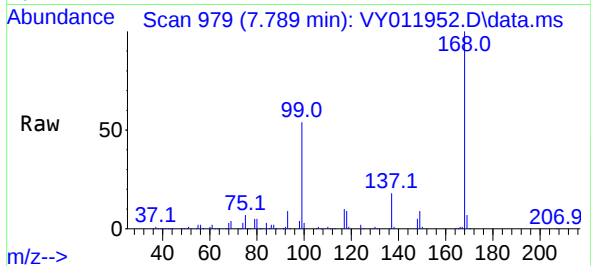




#38
Carbon Tetrachloride
Concen: 5.068 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011952.D
Acq: 21 Dec 2022 17:20

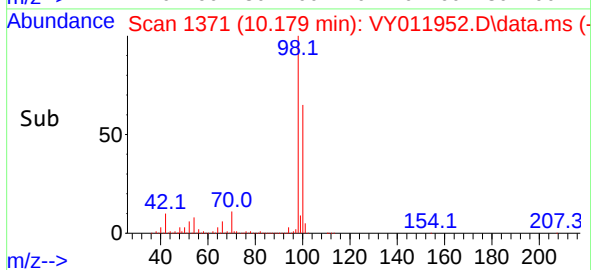
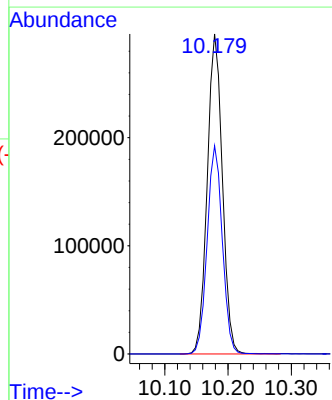
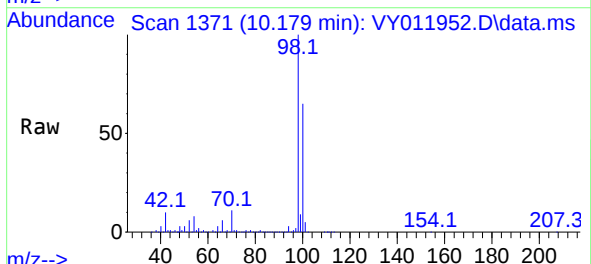
Instrument :
MSVOA_Y
ClientSampleId :
B-27-5B02

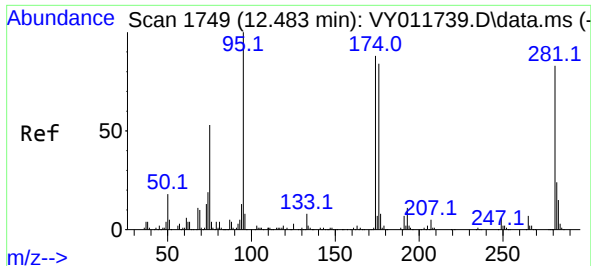
Tgt Ion:117 Resp: 22976
Ion Ratio Lower Upper
117 100
119 5.3 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 49.634 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011952.D
Acq: 21 Dec 2022 17:20

Tgt Ion: 98 Resp: 492784
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9

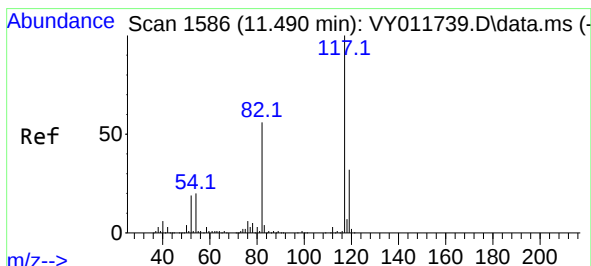
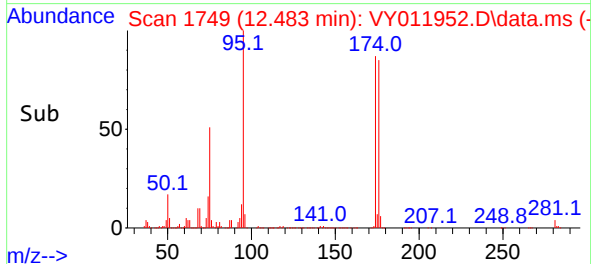
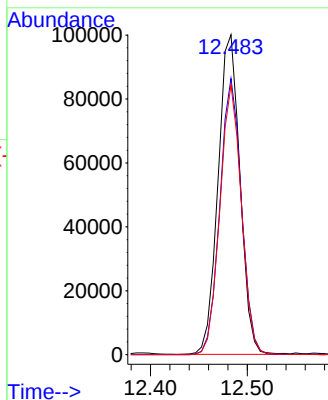
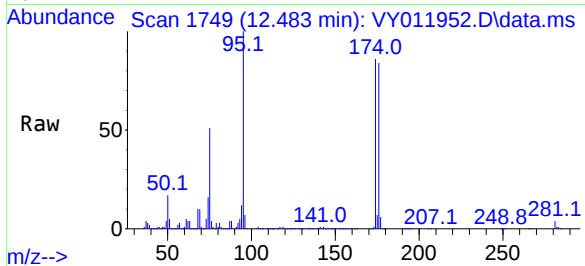




#62
4-Bromofluorobenzene
Concen: 46.987 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011952.D
Acq: 21 Dec 2022 17:20

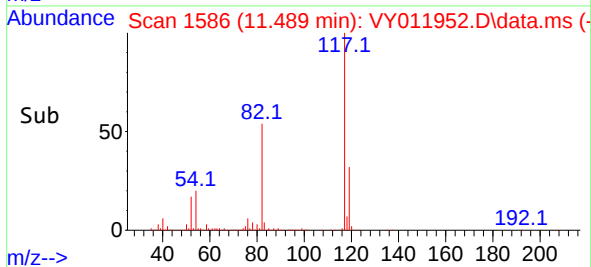
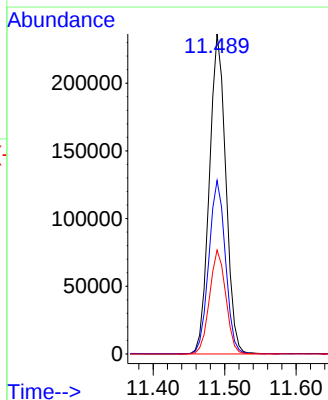
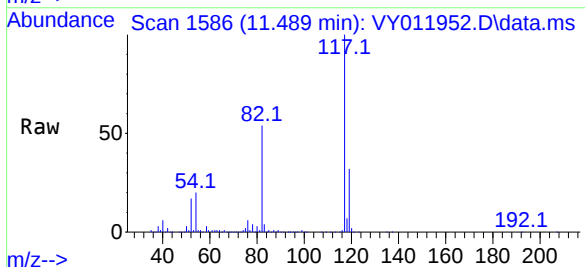
Instrument :
MSVOA_Y
ClientSampleId :
B-27-5B02

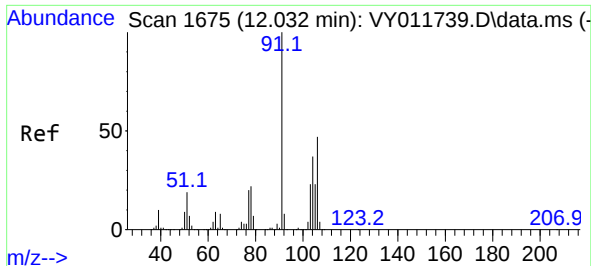
Tgt Ion: 95 Resp: 156897
Ion Ratio Lower Upper
95 100
174 85.1 0.0 172.0
176 82.8 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011952.D
Acq: 21 Dec 2022 17:20

Tgt Ion: 117 Resp: 377761
Ion Ratio Lower Upper
117 100
82 54.2 44.8 67.2
119 32.5 25.4 38.2

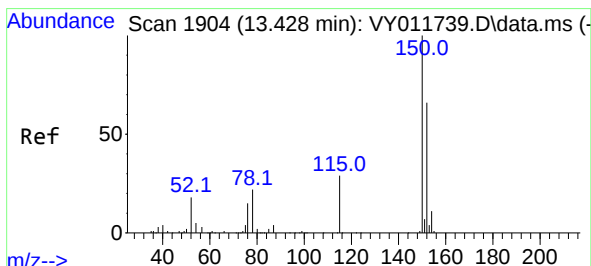
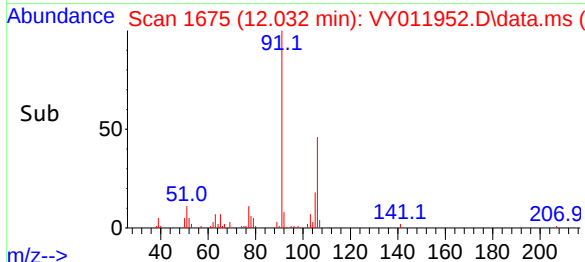
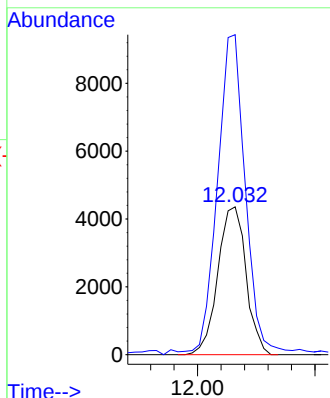
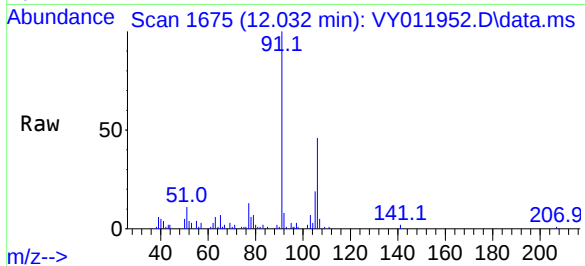




#69
o-Xylene
Concen: 1.418 ug/l
RT: 12.032 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY011952.D
Acq: 21 Dec 2022 17:20

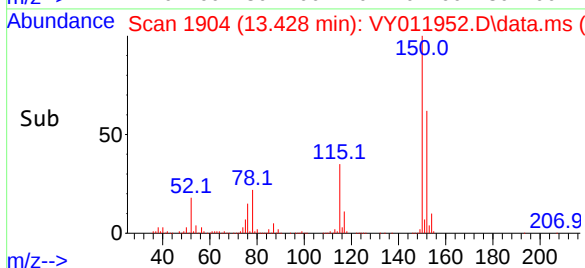
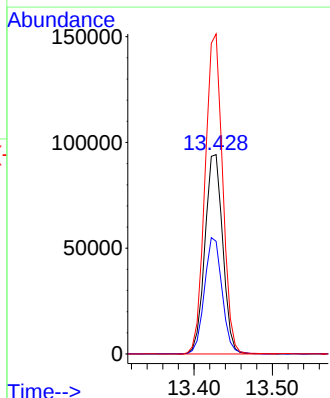
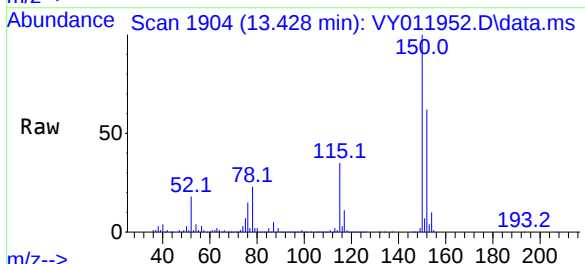
Instrument :
MSVOA_Y
ClientSampleId :
B-27-5B02

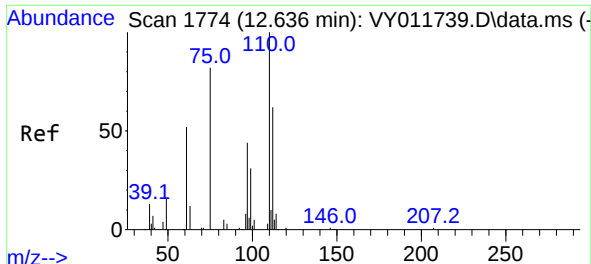
Tgt Ion:106 Resp: 7274
Ion Ratio Lower Upper
106 100
91 216.8 107.5 322.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011952.D
Acq: 21 Dec 2022 17:20

Tgt Ion:152 Resp: 148833
Ion Ratio Lower Upper
152 100
115 58.2 29.1 87.3
150 158.2 0.0 342.6

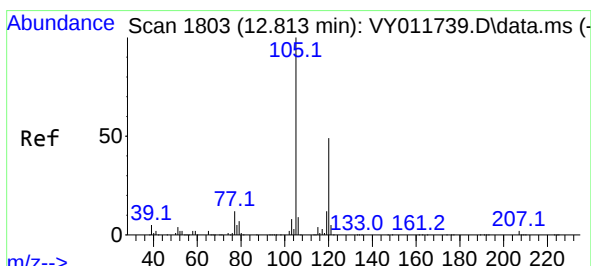
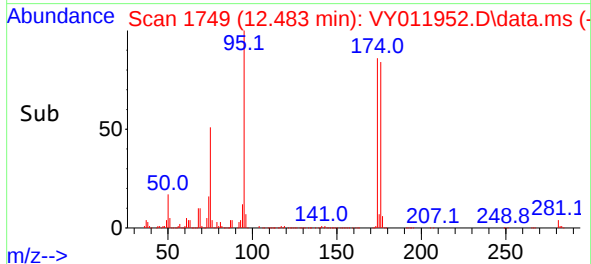
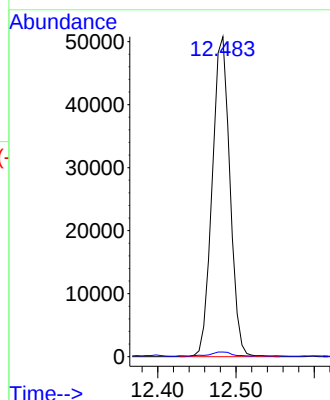
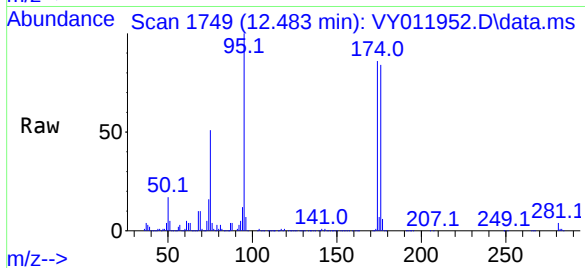




#76
 1,2,3-Trichloropropane
 Concen: 42.976 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. -0.153 min
 Lab File: VY011952.D
 Acq: 21 Dec 2022 17:20

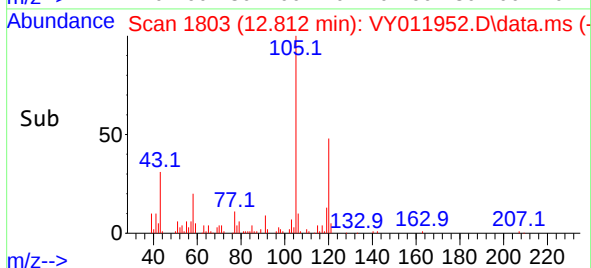
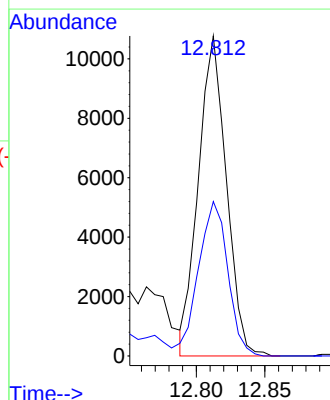
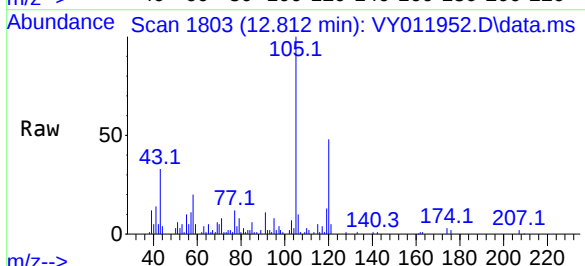
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-27-5B02

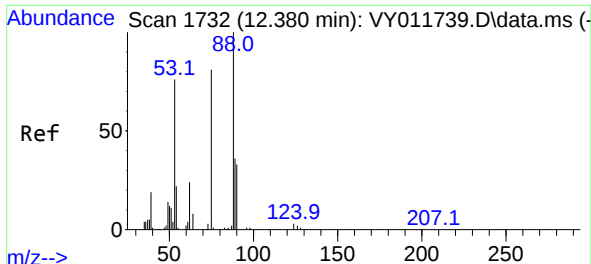
Tgt Ion: 75 Resp: 79591
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.617 ug/l
 RT: 12.812 min Scan# 1803
 Delta R.T. -0.000 min
 Lab File: VY011952.D
 Acq: 21 Dec 2022 17:20

Tgt Ion: 105 Resp: 15287
 Ion Ratio Lower Upper
 105 100
 120 50.9 24.2 72.6

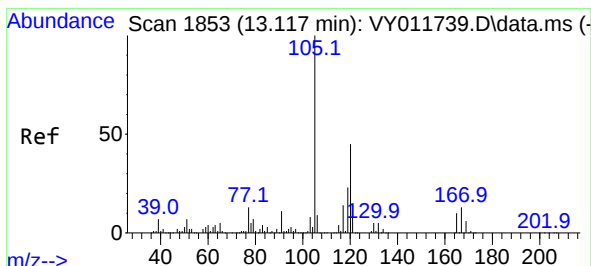
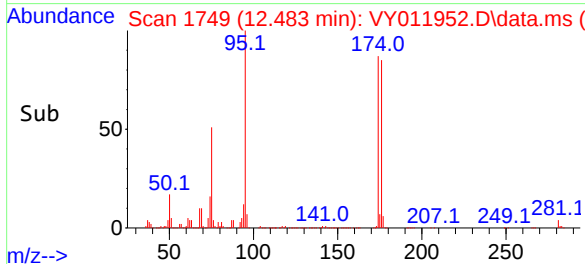
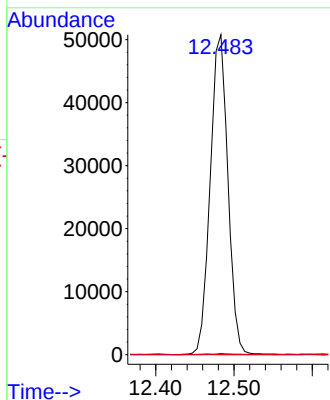
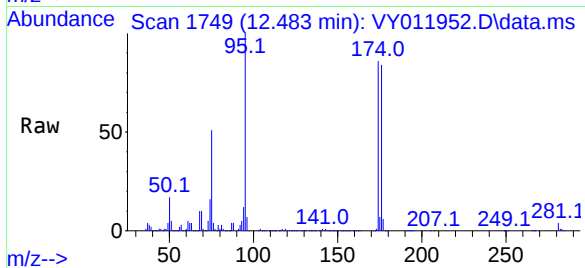




#81
trans-1,4-Dichloro-2-butene
Concen: 117.690 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY011952.D
Acq: 21 Dec 2022 17:20

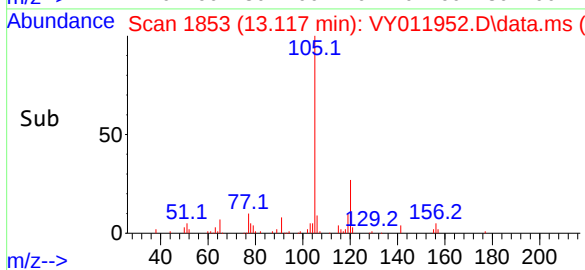
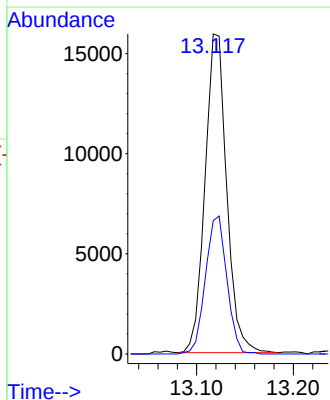
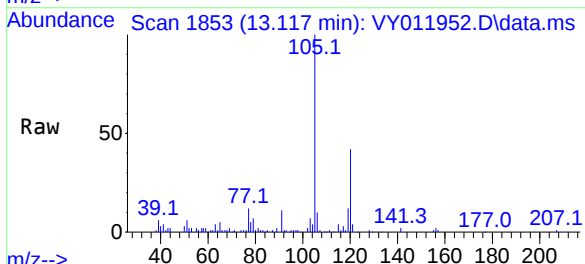
Instrument :
MSVOA_Y
ClientSampleId :
B-27-5B02

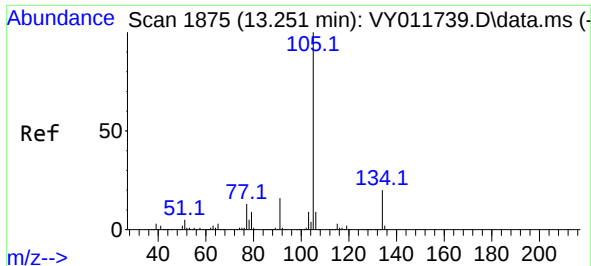
Tgt Ion: 75 Resp: 79591
Ion Ratio Lower Upper
75 100
53 0.2 72.5 108.7#
89 0.1 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 2.668 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY011952.D
Acq: 21 Dec 2022 17:20

Tgt Ion: 105 Resp: 24821
Ion Ratio Lower Upper
105 100
120 42.7 22.9 68.7

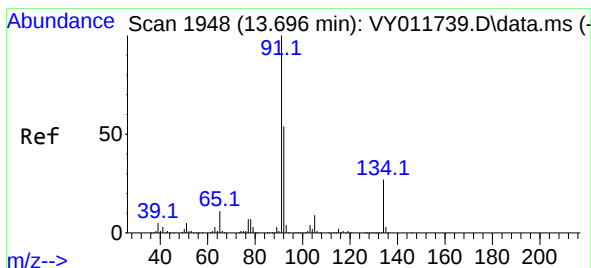
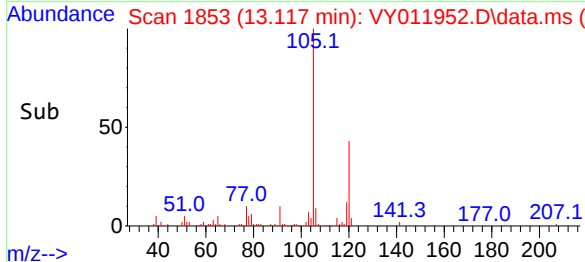
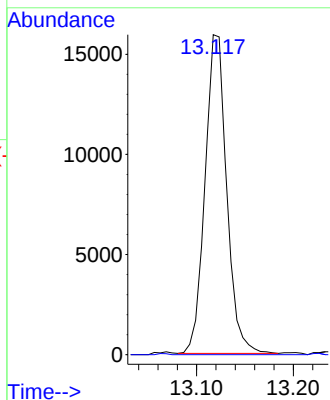
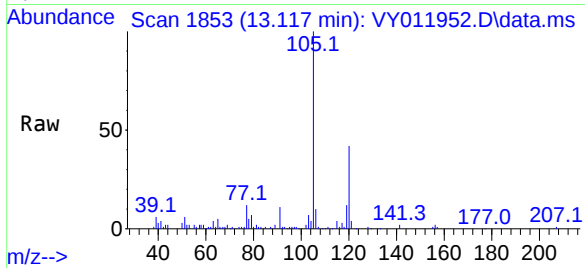




#85
sec-Butylbenzene
Concen: 2.074 ug/l
RT: 13.117 min Scan# 11
Delta R.T. -0.134 min
Lab File: VY011952.D
Acq: 21 Dec 2022 17:20

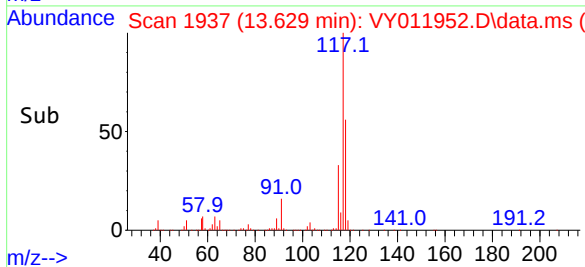
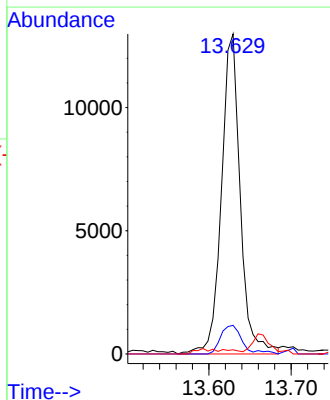
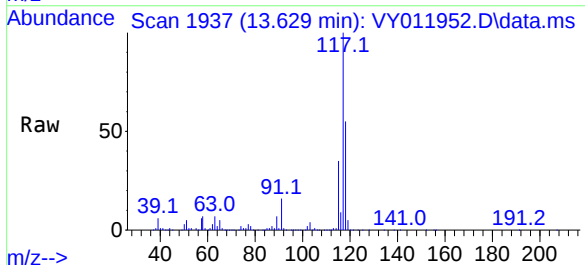
Instrument :
MSVOA_Y
ClientSampleId :
B-27-5B02

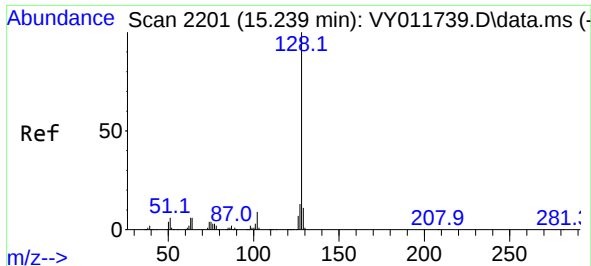
Tgt Ion:105 Resp: 24821
Ion Ratio Lower Upper
105 100
134 0.0 10.1 30.3#



#89
n-Butylbenzene
Concen: 2.257 ug/l
RT: 13.629 min Scan# 1937
Delta R.T. -0.067 min
Lab File: VY011952.D
Acq: 21 Dec 2022 17:20

Tgt Ion: 91 Resp: 20630
Ion Ratio Lower Upper
91 100
92 10.2 26.8 80.4#
134 0.0 13.3 39.8#





#95
Naphthalene
Concen: 16.053 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY011952.D
Acq: 21 Dec 2022 17:20

Instrument :
MSVOA_Y
ClientSampleId :
B-27-5B02

Tgt Ion:128 Resp: 77045
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.2
129 11.1 8.8 13.2

