

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122322\
 Data File : VY011992.D
 Acq On : 23 Dec 2022 13:04
 Operator : KP/MD
 Sample : N6196-04
 Misc : 7.90g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 23 22:24:36 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)

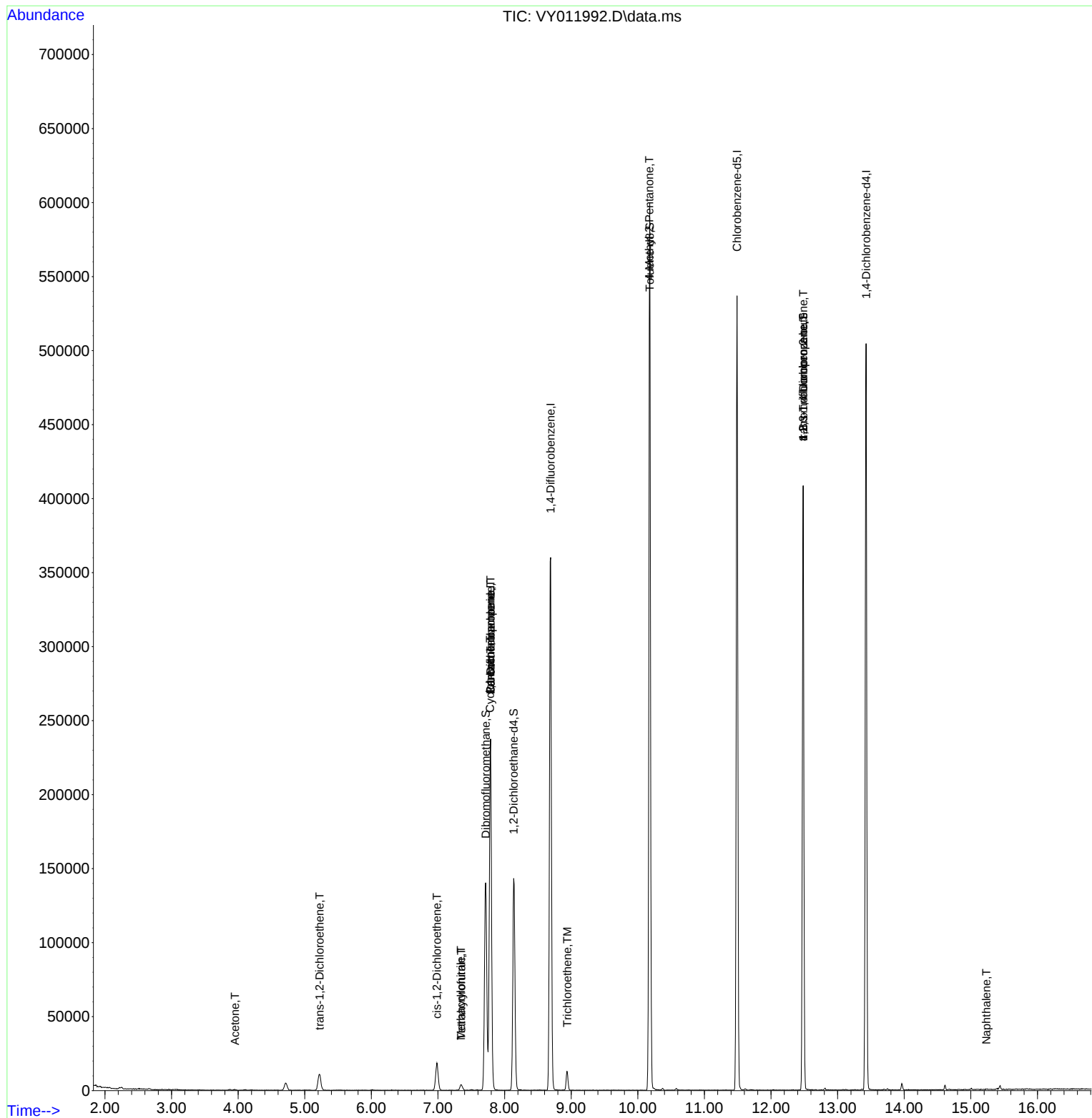
Internal Standards						
1) Pentafluorobenzene	7.789	168	187697	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	320924	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	296595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	134816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	116388	61.548	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.100%			
35) Dibromofluoromethane	7.716	113	99922	51.718	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.440%			
50) Toluene-d8	10.179	98	387634	49.451	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.900%			
62) 4-Bromofluorobenzene	12.483	95	121991	46.273	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.540%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.204	59	127	Below Cal	#	1
16) Acetone	3.954	43	747	6.172	ug/l	95
20) Methylene Chloride	4.716	84	3976	Below Cal		88
21) trans-1,2-Dichloroethene	5.222	96	7117	3.527	ug/l	89
27) cis-1,2-Dichloroethene	6.984	96	12253	5.615	ug/l	84
29) Tetrahydrofuran	7.350	42	3062	8.580	ug/l	95
31) Cyclohexane	7.783	56	3407	1.070	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	13017	4.200	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	18637	5.207	ug/l	# 18
41) Methacrylonitrile	7.344	41	1736	2.582	ug/l	# 100
44) Trichloroethene	8.941	130	4777	1.911	ug/l	96
51) 4-Methyl-2-Pentanone	10.173	43	1423	1.051	ug/l	# 1
76) 1,2,3-Trichloropropane	12.483	75	64140	38.234	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	64140	104.704	ug/l	# 13
95) Naphthalene	15.233	128	575	2.888	ug/l	# 69

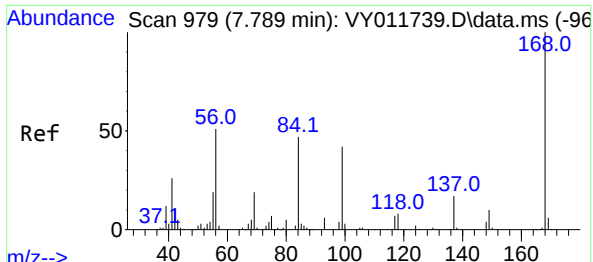
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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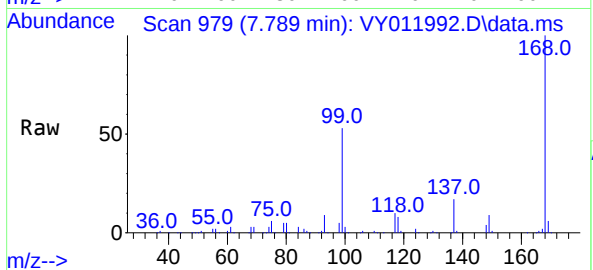
Quant Time: Dec 23 22:24:36 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 20 12:37:37 2022
Response via : Initial Calibration



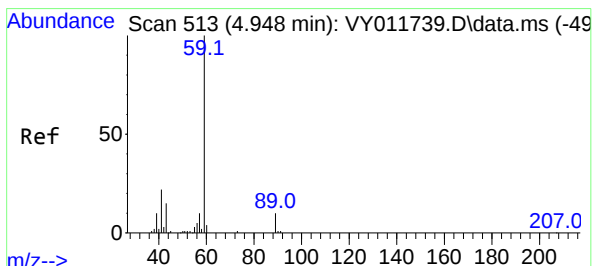
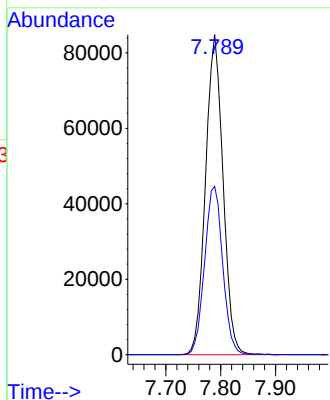
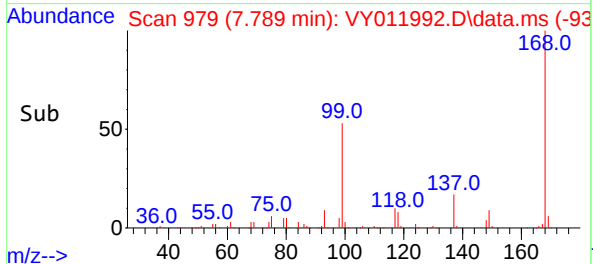


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011992.D
Acq: 23 Dec 2022 13:04

Instrument :
MSVOA_Y
ClientSampleId :

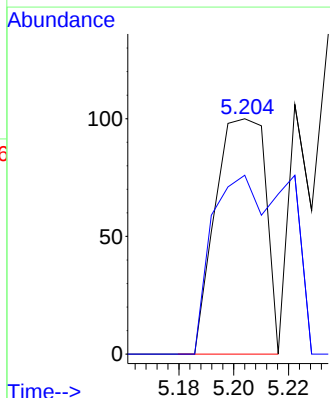
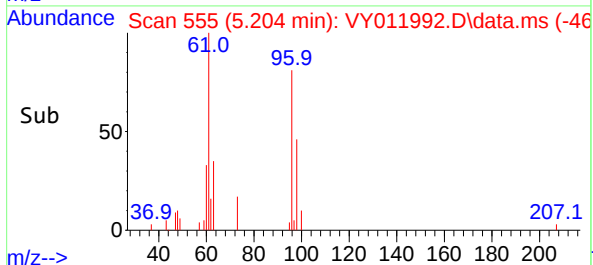
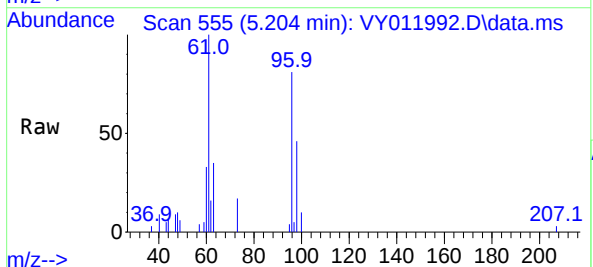


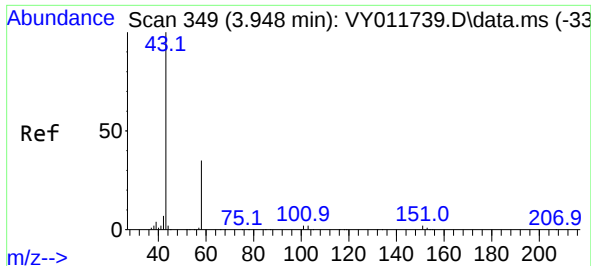
Tgt Ion:168 Resp: 187697
Ion Ratio Lower Upper
168 100
99 52.6 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.204 min Scan# 555
Delta R.T. 0.256 min
Lab File: VY011992.D
Acq: 23 Dec 2022 13:04

Tgt Ion: 59 Resp: 127
Ion Ratio Lower Upper
59 100
57 96.1 7.4 11.2#

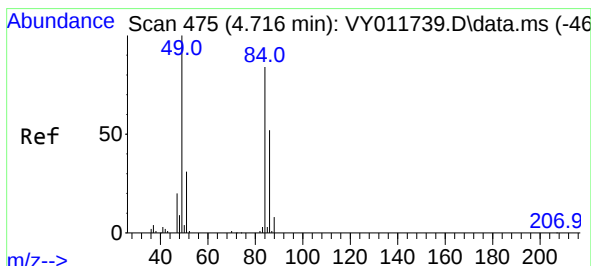
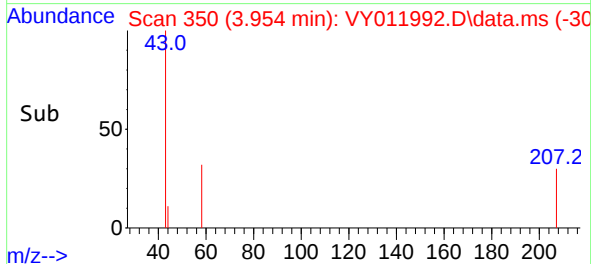
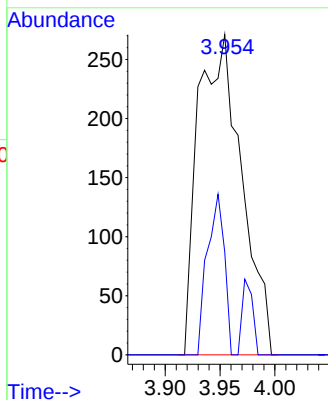
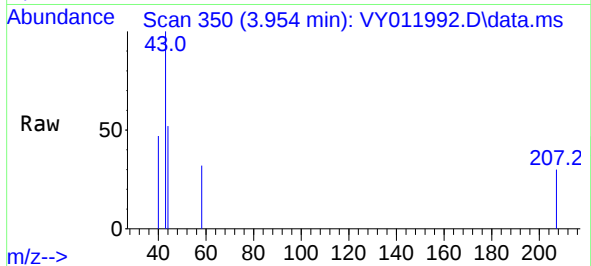




#16
Acetone
Concen: 6.172 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY011992.D
Acq: 23 Dec 2022 13:04

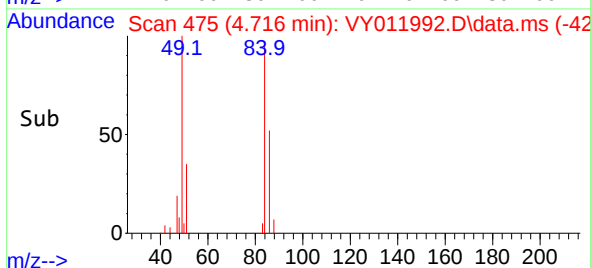
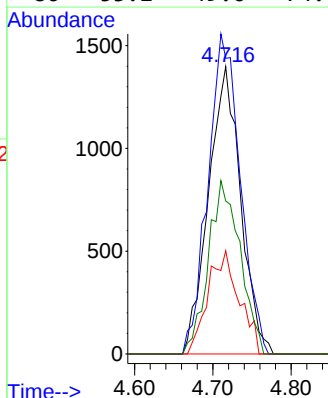
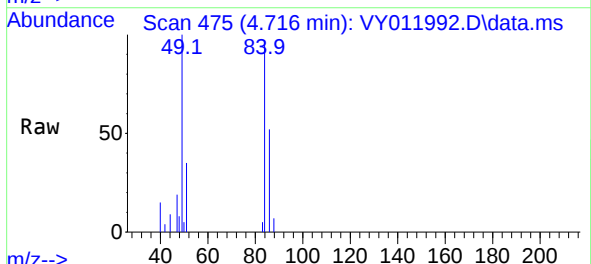
Instrument :
MSVOA_Y
ClientSampleId :

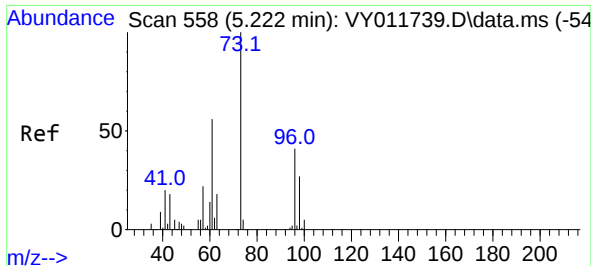
Tgt Ion: 43 Resp: 747
Ion Ratio Lower Upper
43 100
58 32.1 27.9 41.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011992.D
Acq: 23 Dec 2022 13:04

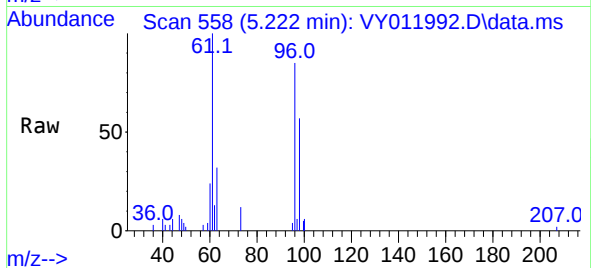
Tgt Ion: 84 Resp: 3976
Ion Ratio Lower Upper
84 100
49 102.9 95.4 143.2
51 35.9 29.9 44.9
86 53.2 49.6 74.4





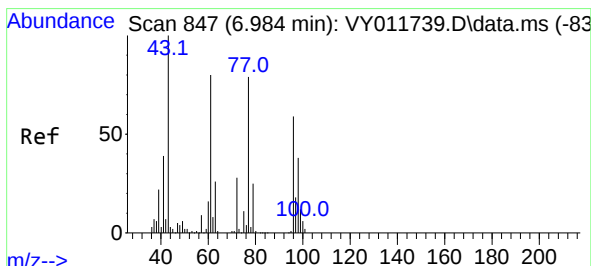
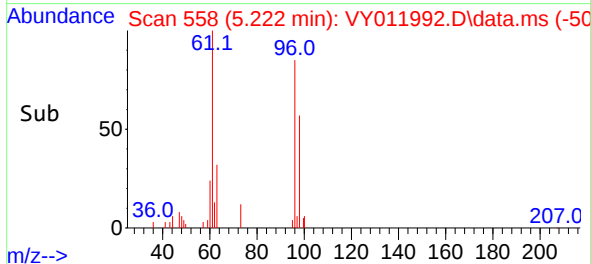
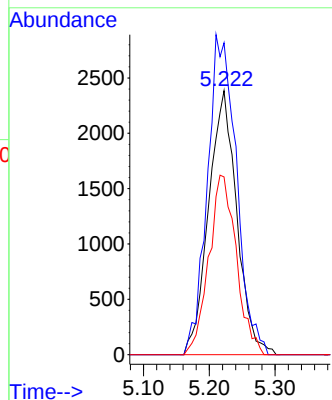
#21
trans-1,2-Dichloroethene
Concen: 3.527 ug/l
RT: 5.222 min Scan# 511
Delta R.T. -0.000 min
Lab File: VY011992.D
Acq: 23 Dec 2022 13:04

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 96 Resp: 7117

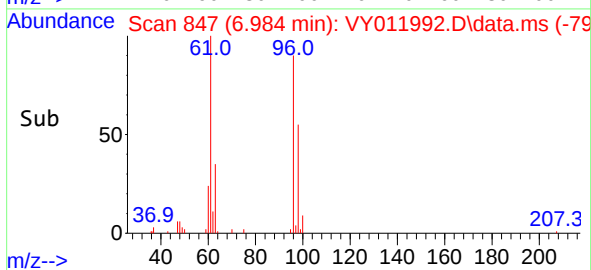
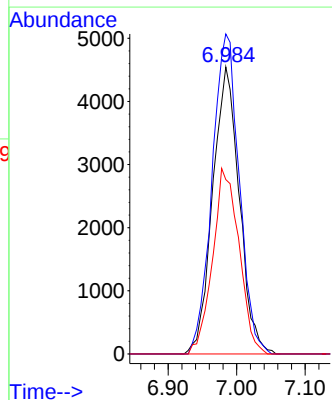
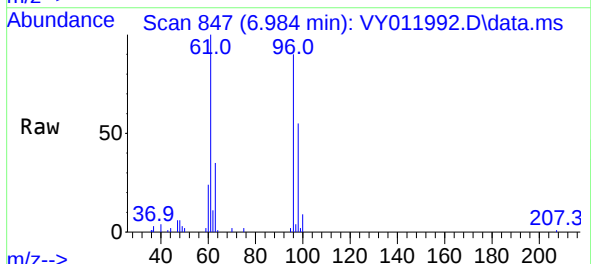
Ion	Ratio	Lower	Upper
96	100		
61	118.2	108.0	162.0
98	67.3	51.6	77.4

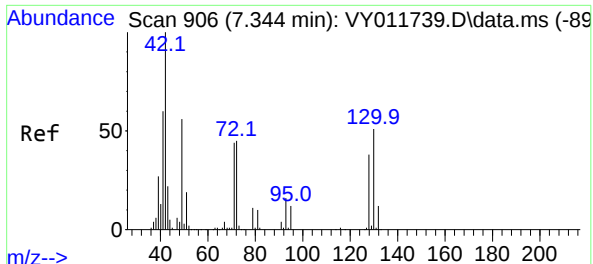


#27
cis-1,2-Dichloroethene
Concen: 5.615 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY011992.D
Acq: 23 Dec 2022 13:04

Tgt Ion: 96 Resp: 12253

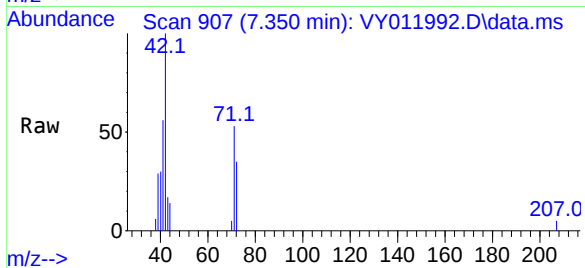
Ion	Ratio	Lower	Upper
96	100		
61	113.5	0.0	283.4
98	64.2	0.0	127.6





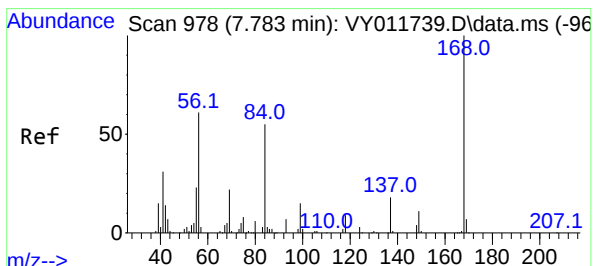
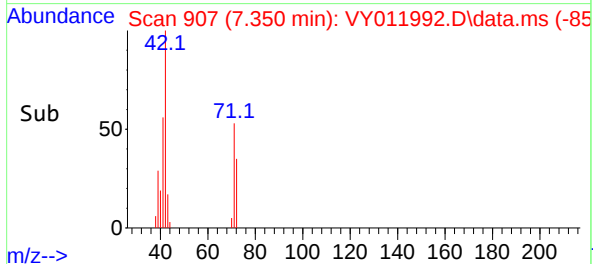
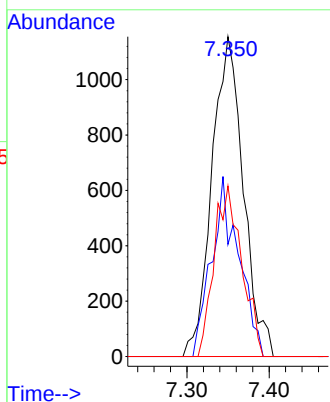
#29
Tetrahydrofuran
Concen: 8.580 ug/l
RT: 7.350 min Scan# 906
Delta R.T. 0.006 min
Lab File: VY011992.D
Acq: 23 Dec 2022 13:04

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 42 Resp: 3062

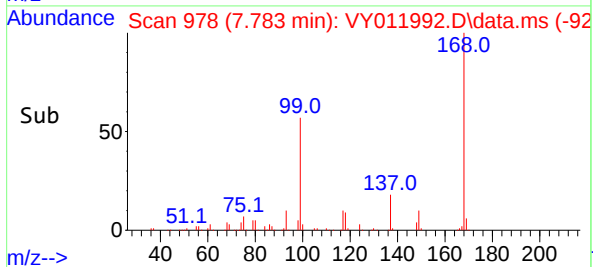
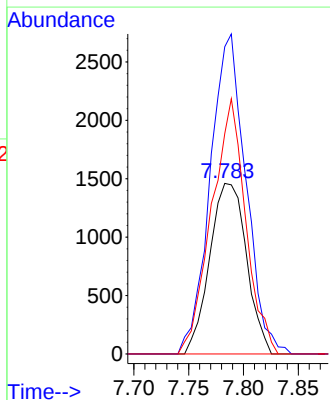
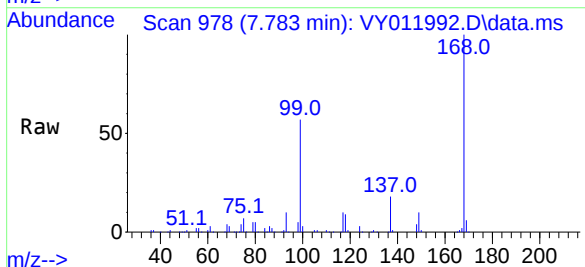
Ion	Ratio	Lower	Upper
42	100		
72	49.0	37.0	55.6
71	47.1	34.9	52.3

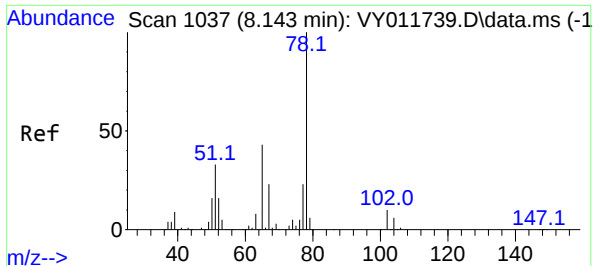


#31
Cyclohexane
Concen: 1.070 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY011992.D
Acq: 23 Dec 2022 13:04

Tgt Ion: 56 Resp: 3407

Ion	Ratio	Lower	Upper
56	100		
69	180.1	29.2	43.8#
84	129.2	72.6	108.8#





#33

1,2-Dichloroethane-d4

Concen: 61.548 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. -0.007 min

Lab File: VY011992.D

Acq: 23 Dec 2022 13:04

Instrument :

MSVOA_Y

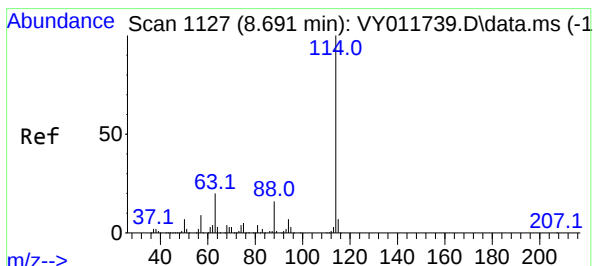
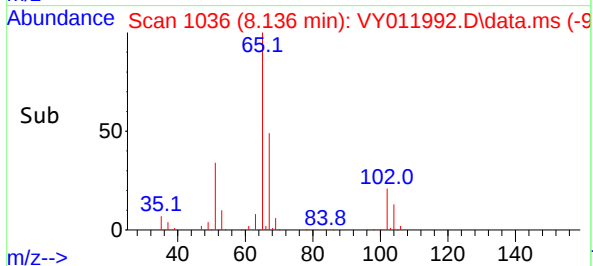
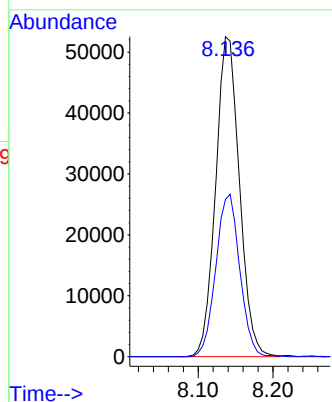
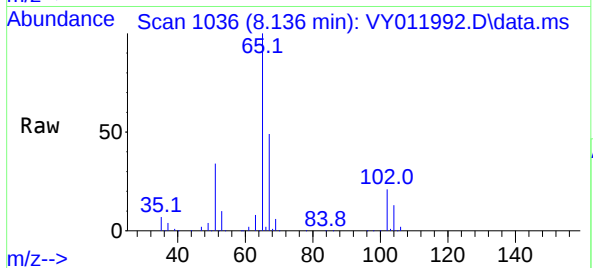
ClientSampleId :

Tgt Ion: 65 Resp: 116388

Ion Ratio Lower Upper

65 100

67 51.1 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: VY011992.D

Acq: 23 Dec 2022 13:04

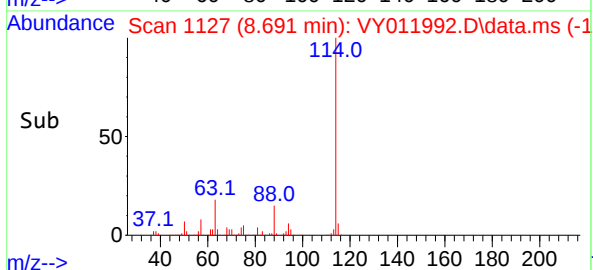
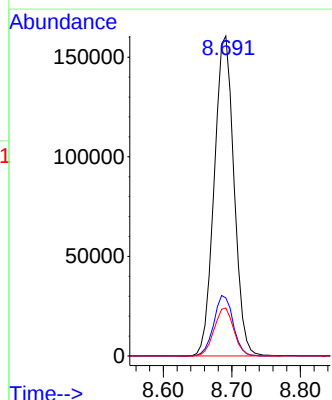
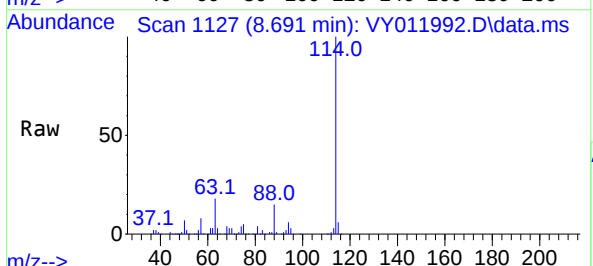
Tgt Ion: 114 Resp: 320924

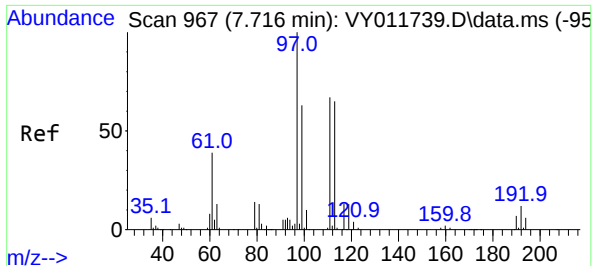
Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.6

88 15.0 0.0 32.2

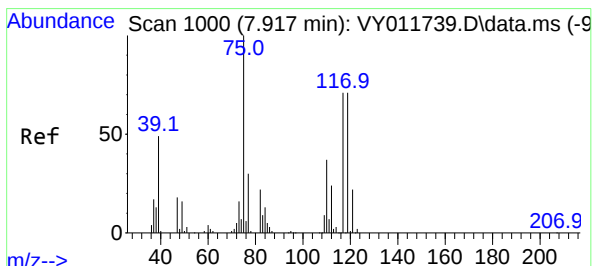
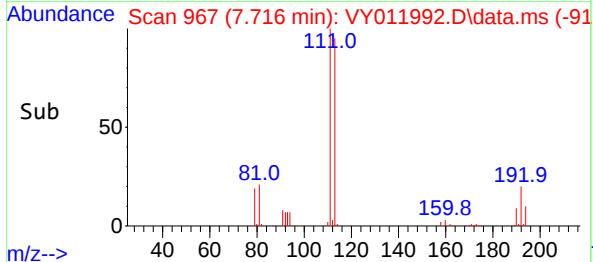
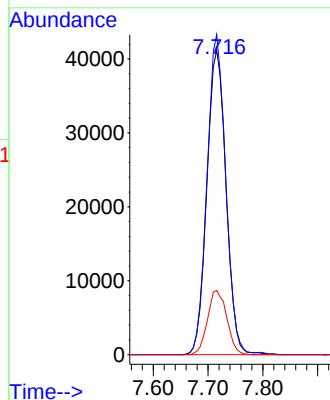
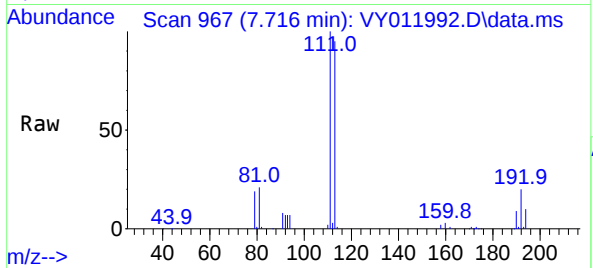




#35
Dibromofluoromethane
Concen: 51.718 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011992.D
Acq: 23 Dec 2022 13:04

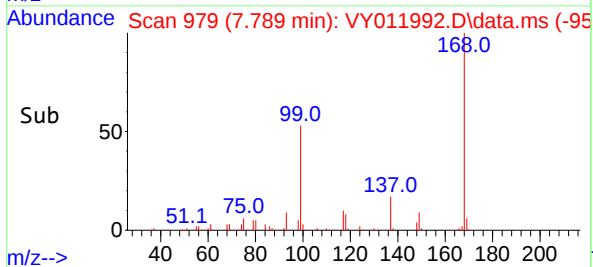
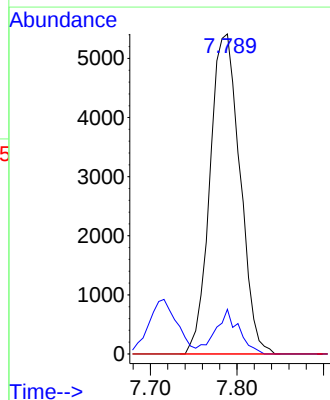
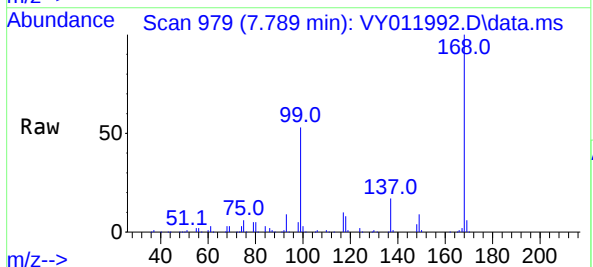
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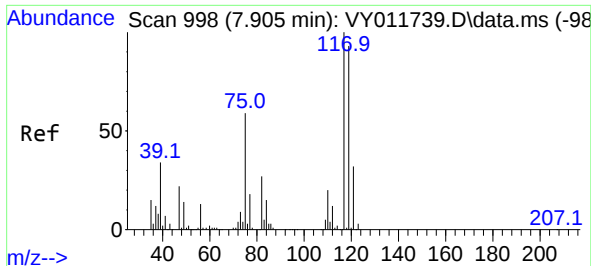
Tgt Ion:113 Resp: 99922
Ion Ratio Lower Upper
113 100
111 102.8 83.0 124.4
192 21.2 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.200 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011992.D
Acq: 23 Dec 2022 13:04

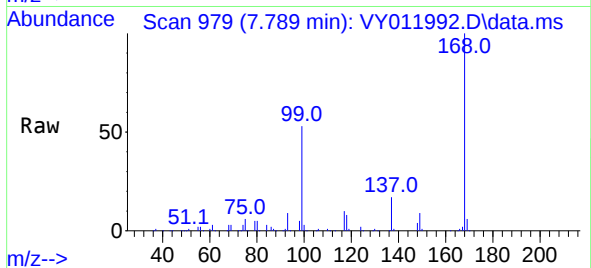
Tgt Ion: 75 Resp: 13017
Ion Ratio Lower Upper
75 100
110 11.0 18.1 54.1#
77 0.0 25.1 37.7#



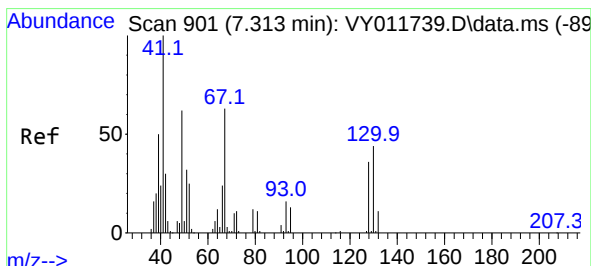
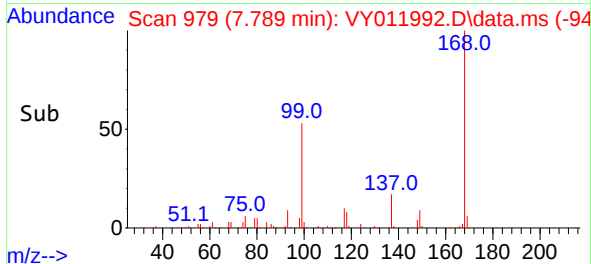
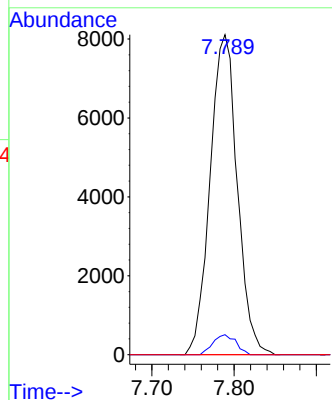


#38
Carbon Tetrachloride
Concen: 5.207 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011992.D
Acq: 23 Dec 2022 13:04

Instrument :
MSVOA_Y
ClientSampleId :

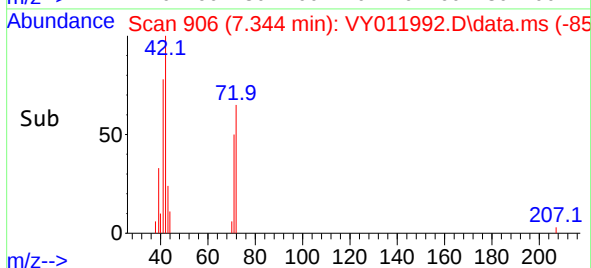
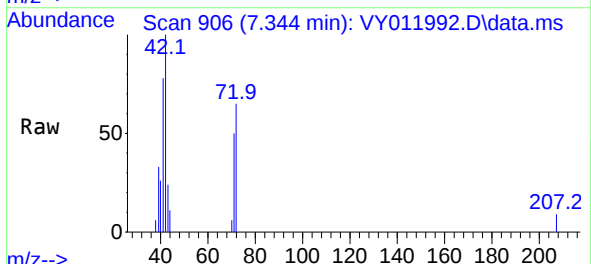
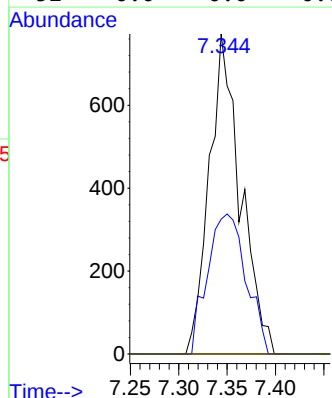


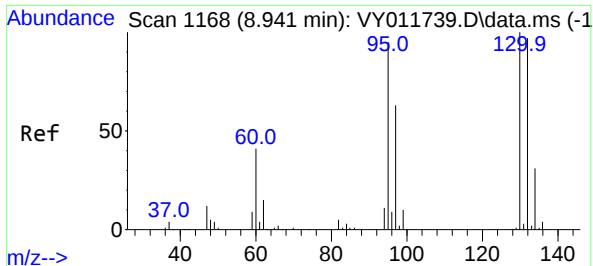
Tgt Ion:117 Resp: 18637
Ion Ratio Lower Upper
117 100
119 6.3 73.8 110.8#
121 0.0 25.2 37.8#



#41
Methacrylonitrile
Concen: 2.582 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.030 min
Lab File: VY011992.D
Acq: 23 Dec 2022 13:04

Tgt Ion: 41 Resp: 1736
Ion Ratio Lower Upper
41 100
39 54.0 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0





#44

Trichloroethene

Concen: 1.911 ug/l

RT: 8.941 min Scan# 1168

Delta R.T. -0.000 min

Lab File: VY011992.D

Acq: 23 Dec 2022 13:04

Instrument :

MSVOA_Y

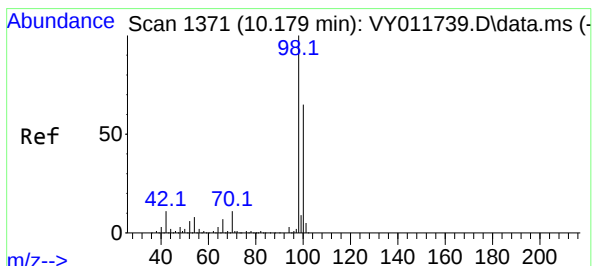
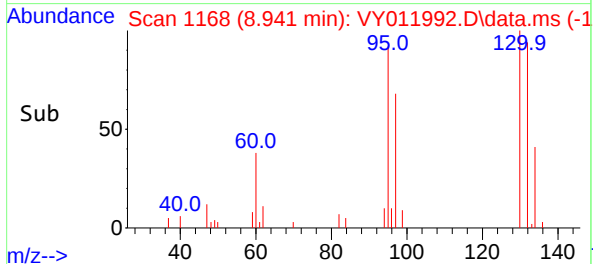
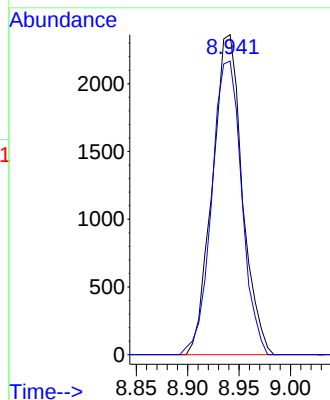
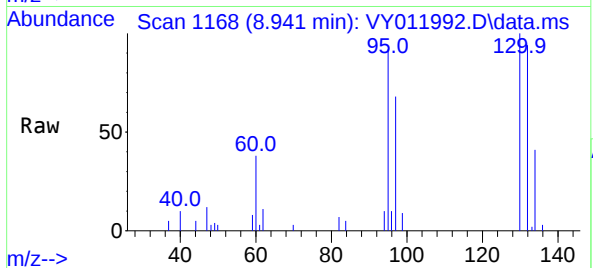
ClientSampleId :

Tgt Ion:130 Resp: 4777

Ion Ratio Lower Upper

130 100

95 91.7 0.0 190.6



#50

Toluene-d8

Concen: 49.451 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY011992.D

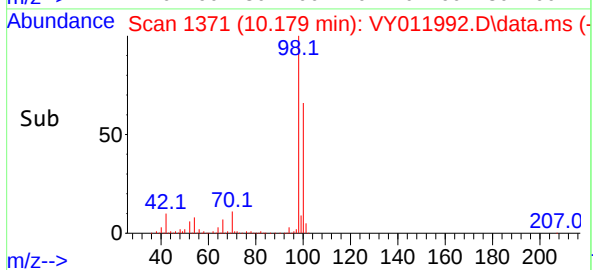
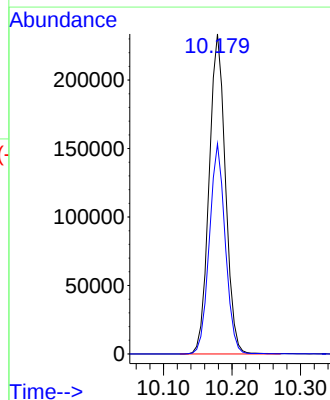
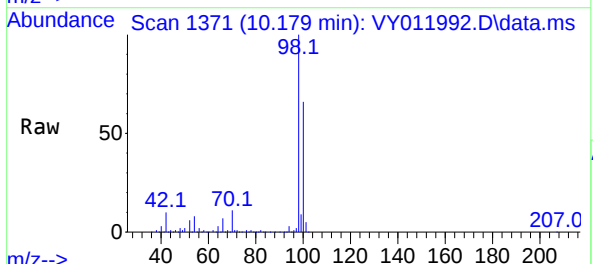
Acq: 23 Dec 2022 13:04

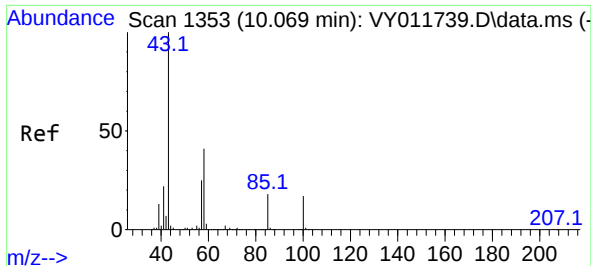
Tgt Ion: 98 Resp: 387634

Ion Ratio Lower Upper

98 100

100 63.9 51.9 77.9

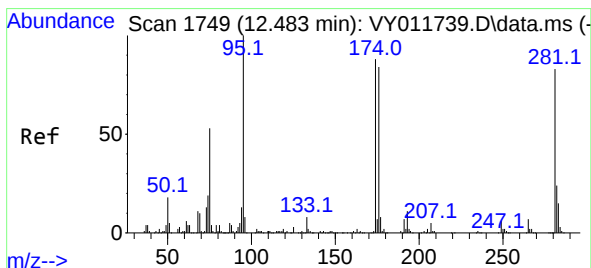
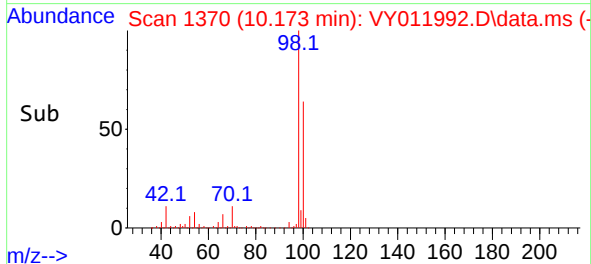
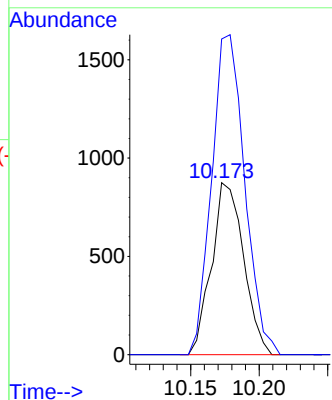
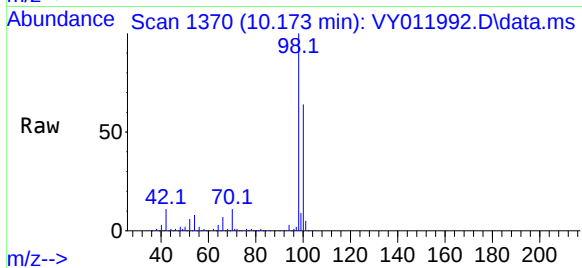




#51
4-Methyl-2-Pentanone
Concen: 1.051 ug/l
RT: 10.173 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY011992.D
Acq: 23 Dec 2022 13:04

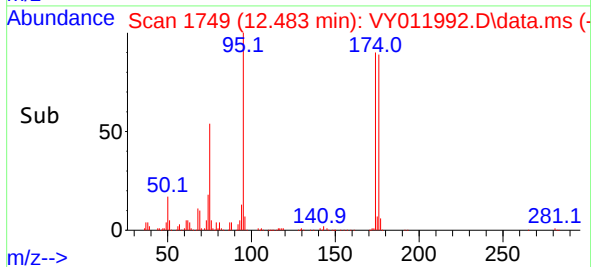
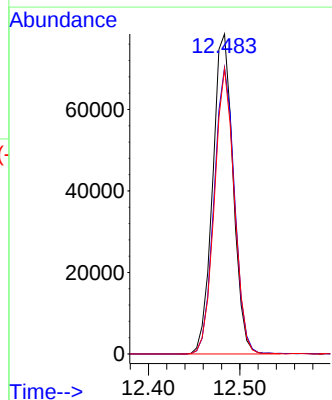
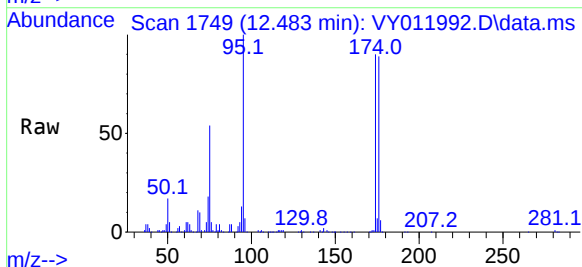
Instrument :
MSVOA_Y
ClientSampleId :

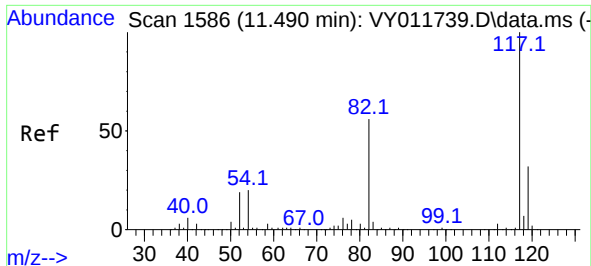
Tgt Ion: 43 Resp: 1423
Ion Ratio Lower Upper
43 100
58 191.8 32.9 49.3#



#62
4-Bromofluorobenzene
Concen: 46.273 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011992.D
Acq: 23 Dec 2022 13:04

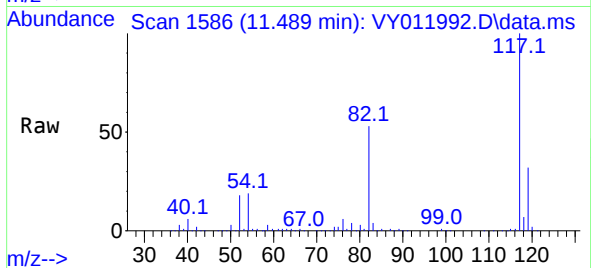
Tgt Ion: 95 Resp: 121991
Ion Ratio Lower Upper
95 100
174 89.7 0.0 172.0
176 86.8 0.0 167.6



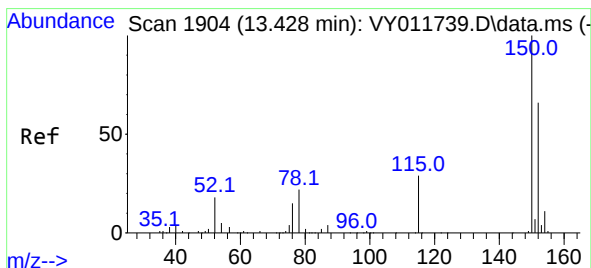
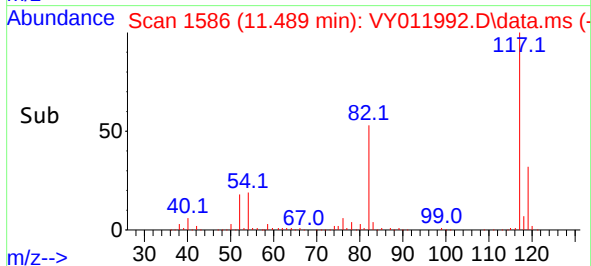
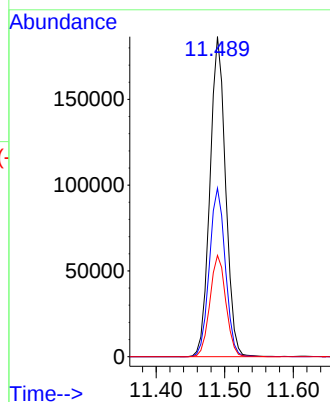


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011992.D
Acq: 23 Dec 2022 13:04

Instrument :
MSVOA_Y
ClientSampleId :

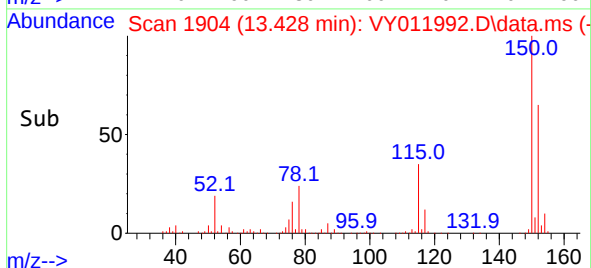
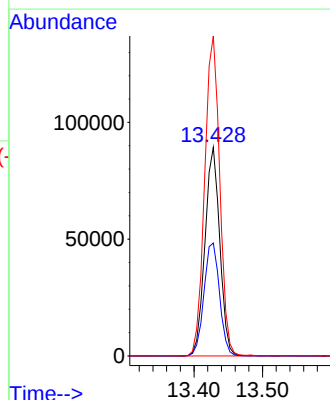
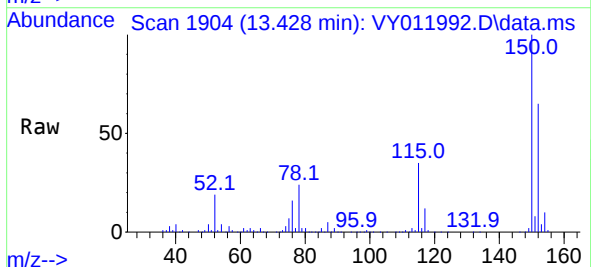


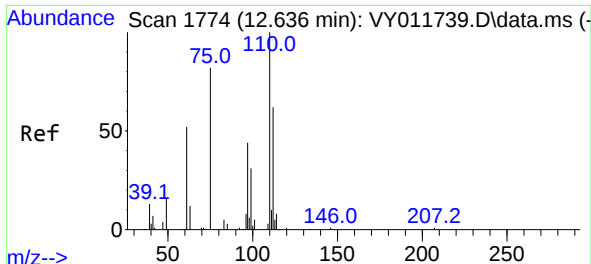
Tgt Ion:117 Resp: 296595
Ion Ratio Lower Upper
117 100
82 52.7 44.8 67.2
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011992.D
Acq: 23 Dec 2022 13:04

Tgt Ion:152 Resp: 134816
Ion Ratio Lower Upper
152 100
115 56.9 29.1 87.3
150 156.3 0.0 342.6

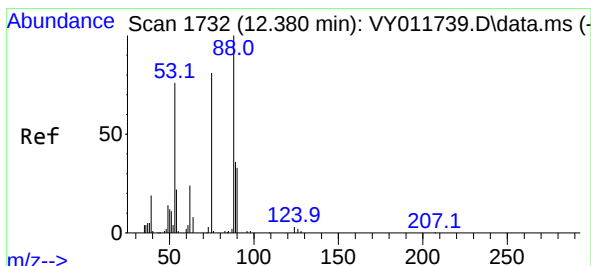
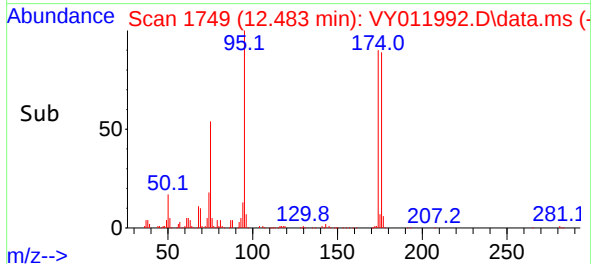
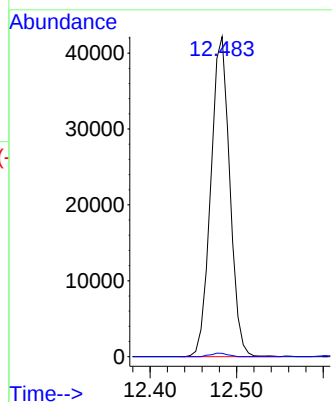
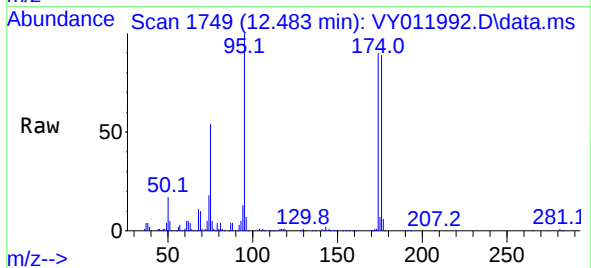




#76
1,2,3-Trichloropropane
Concen: 38.234 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011992.D
Acq: 23 Dec 2022 13:04

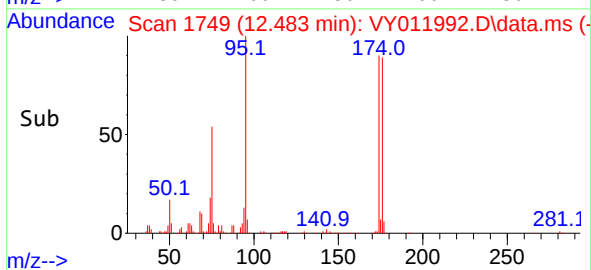
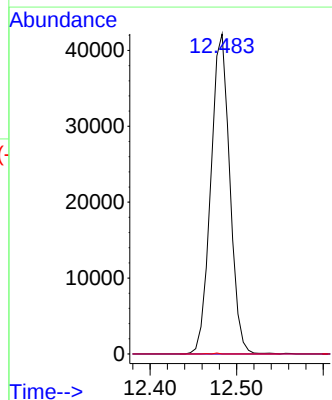
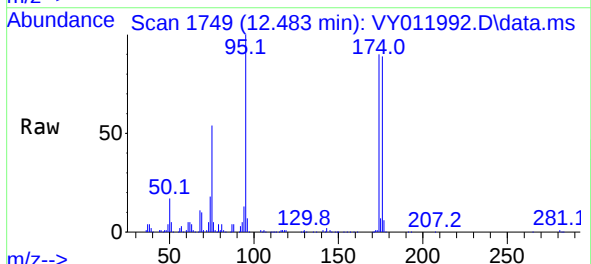
Instrument :
MSVOA_Y
ClientSampleId :

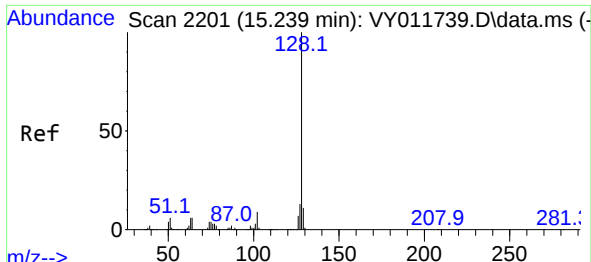
Tgt Ion: 75 Resp: 64140
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.704 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011992.D
Acq: 23 Dec 2022 13:04

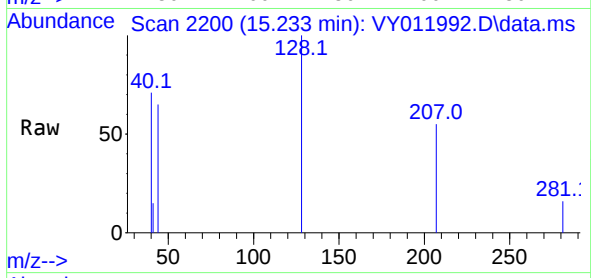
Tgt Ion: 75 Resp: 64140
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.1 37.0 55.4#





#95
Naphthalene
Concen: 2.888 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY011992.D
Acq: 23 Dec 2022 13:04

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	575
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.8	13.2#

