

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100522\
 Data File : VY010826.D
 Acq On : 05 Oct 2022 17:32
 Operator : KP/MD
 Sample : N5004-06
 Misc : 6.64g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DA-21-17

Quant Time: Oct 06 09:22:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

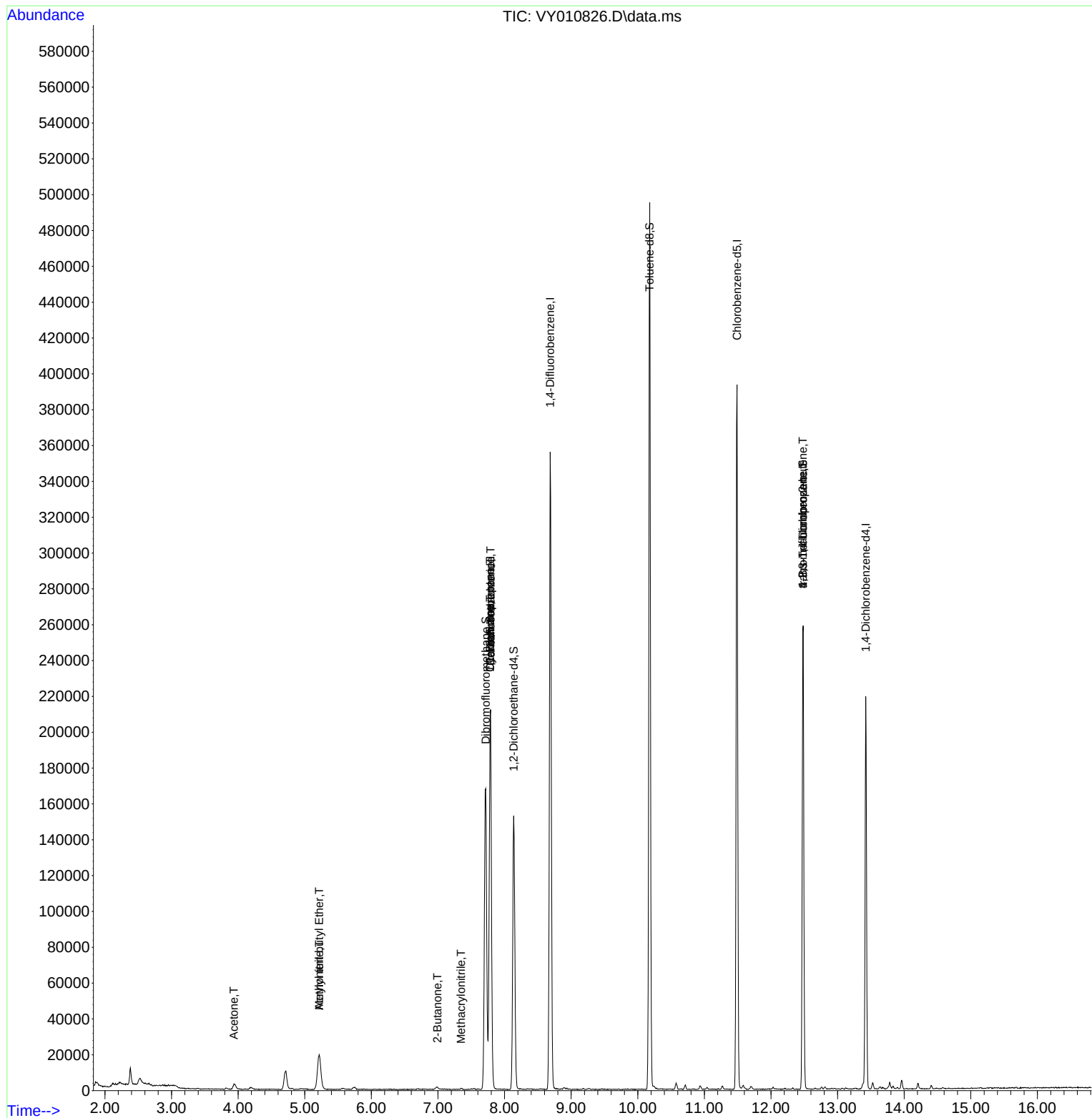
Internal Standards						
1) Pentafluorobenzene	7.789	168	164576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	301013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	214443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	55312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	117904	70.678	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 141.360%	
35) Dibromofluoromethane	7.716	113	121765	60.939	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 121.880%	
50) Toluene-d8	10.179	98	315867	46.224	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.440%	
62) 4-Bromofluorobenzene	12.477	95	77937	27.540	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 55.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	889	Below Cal	#	77
15) Acrylonitrile	5.216	53	452	1.037	ug/l #	14
16) Acetone	3.936	43	5575	13.159	ug/l #	88
19) Methyl tert-butyl Ether	5.216	73	31950	7.844	ug/l	100
20) Methylene Chloride	4.716	84	7837	Below Cal	#	88
25) 2-Butanone	6.990	43	1864	3.060	ug/l	96
31) Cyclohexane	7.783	56	3498	1.171	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	13295	4.609	ug/l #	49
38) Carbon Tetrachloride	7.789	117	16498	5.491	ug/l #	16
41) Methacrylonitrile	7.344	41	155	2.759	ug/l #	8
76) 1,2,3-Trichloropropane	12.477	75	40005	71.420	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	40005	149.190	ug/l #	7

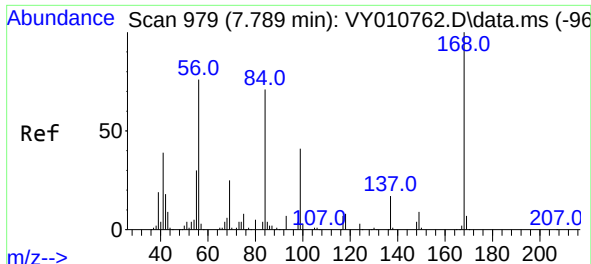
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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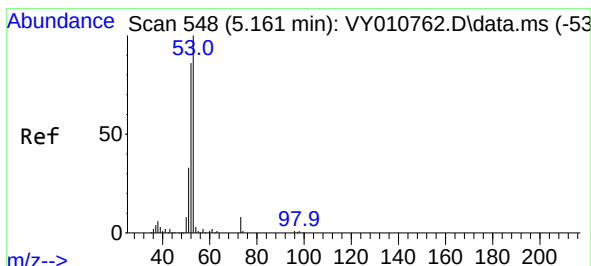
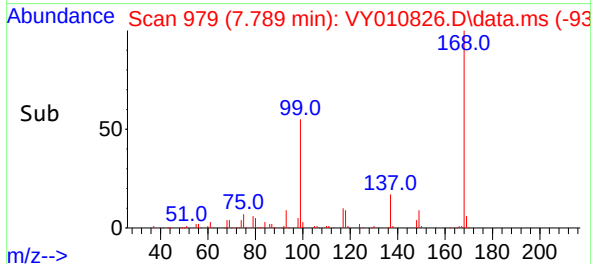
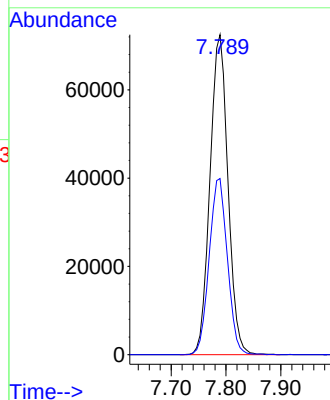
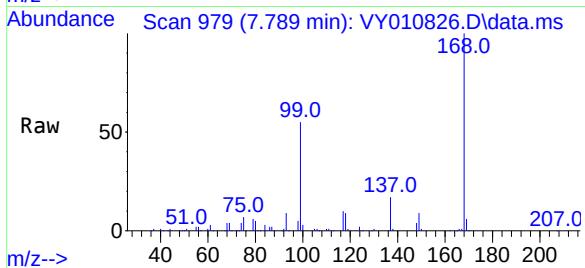




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY010826.D
Acq: 05 Oct 2022 17:32

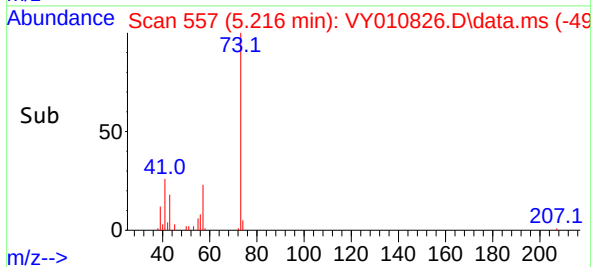
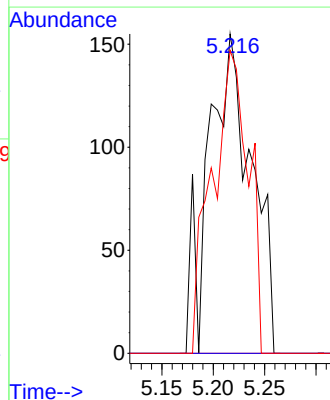
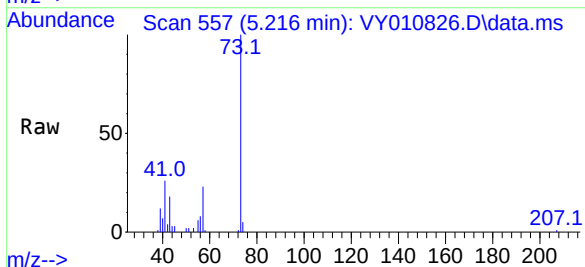
Instrument :
MSVOA_Y
ClientSampleId :
DA-21-17

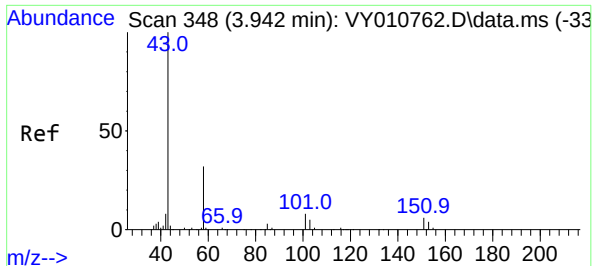
Tgt Ion:168 Resp: 164576
Ion Ratio Lower Upper
168 100
99 55.1 46.9 70.3



#15
Acrylonitrile
Concen: 1.037 ug/l
RT: 5.216 min Scan# 557
Delta R.T. 0.055 min
Lab File: VY010826.D
Acq: 05 Oct 2022 17:32

Tgt Ion: 53 Resp: 452
Ion Ratio Lower Upper
53 100
52 0.0 67.0 100.4#
51 80.3 29.8 44.6#





#16

Acetone

Concen: 13.159 ug/l

RT: 3.936 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY010826.D

Acq: 05 Oct 2022 17:32

Instrument :

MSVOA_Y

ClientSampleId :

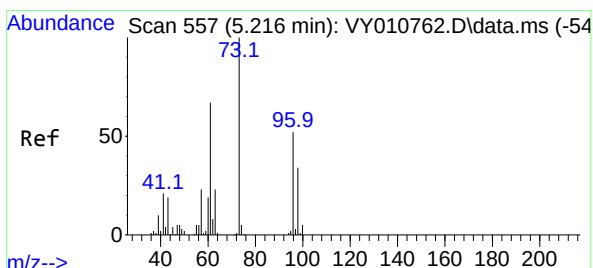
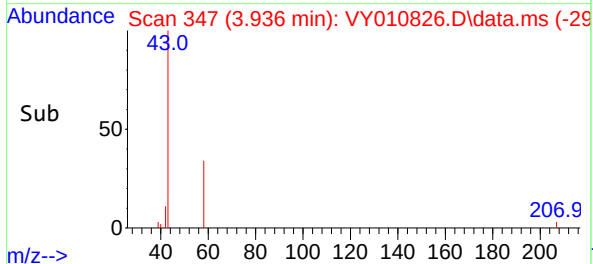
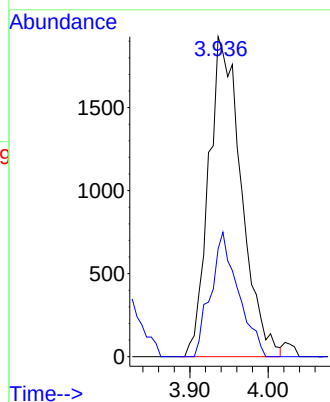
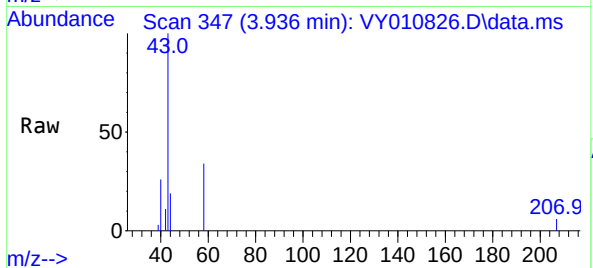
DA-21-17

Tgt Ion: 43 Resp: 5575

Ion Ratio Lower Upper

43 100

58 33.7 22.0 33.0#



#19

Methyl tert-butyl Ether

Concen: 7.844 ug/l

RT: 5.216 min Scan# 557

Delta R.T. 0.000 min

Lab File: VY010826.D

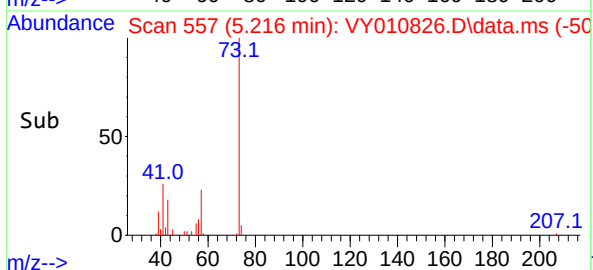
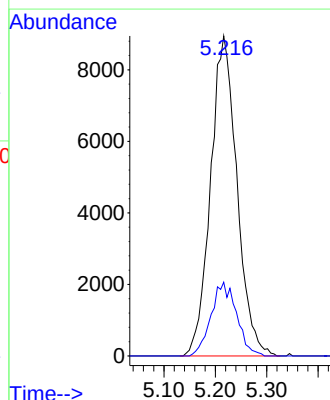
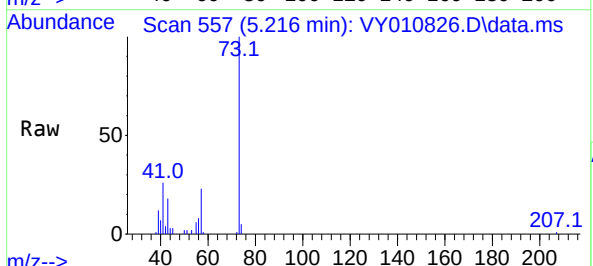
Acq: 05 Oct 2022 17:32

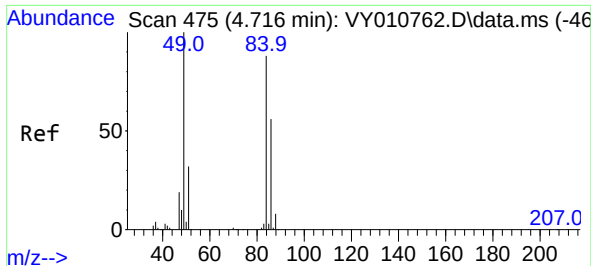
Tgt Ion: 73 Resp: 31950

Ion Ratio Lower Upper

73 100

57 23.0 18.6 27.8



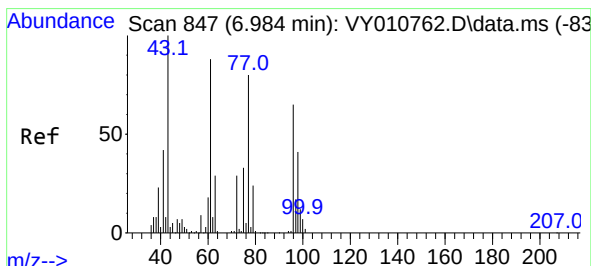
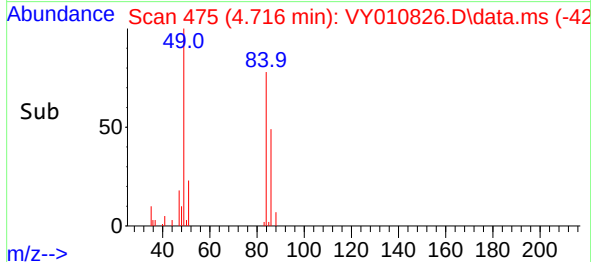
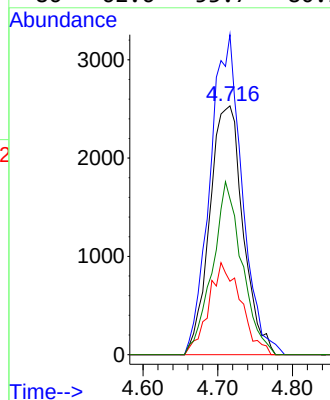
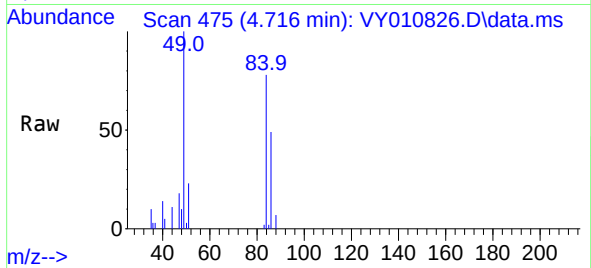


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010826.D
Acq: 05 Oct 2022 17:32

Instrument :
MSVOA_Y
ClientSampleId :
DA-21-17

Tgt Ion: 84 Resp: 7837

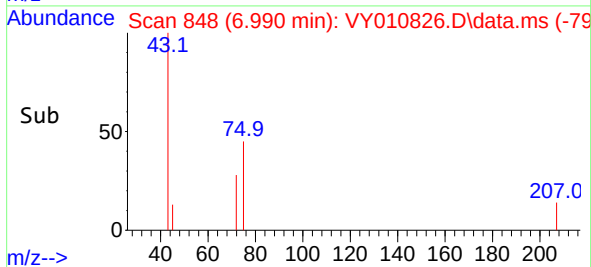
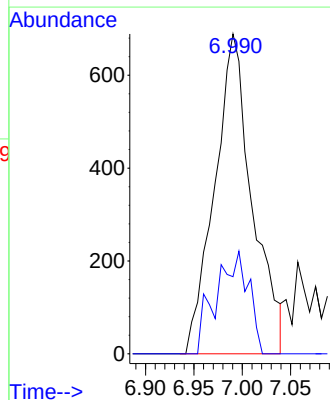
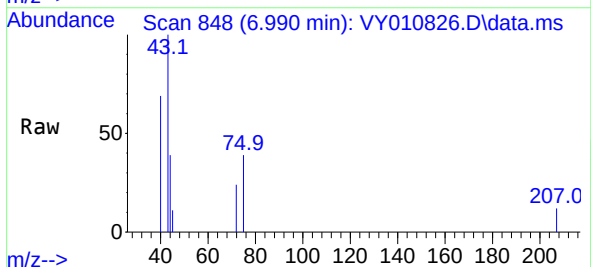
Ion	Ratio	Lower	Upper
84	100		
49	128.6	114.4	171.6
51	29.5	35.3	52.9#
86	62.6	53.7	80.5

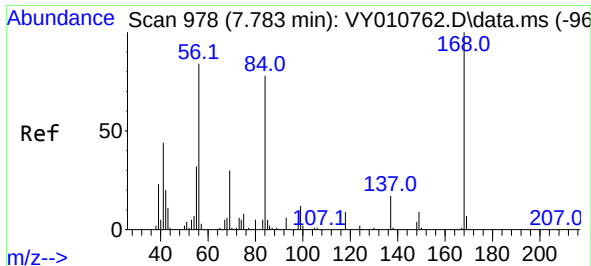


#25
2-Butanone
Concen: 3.060 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY010826.D
Acq: 05 Oct 2022 17:32

Tgt Ion: 43 Resp: 1864

Ion	Ratio	Lower	Upper
43	100		
72	24.1	17.7	26.5

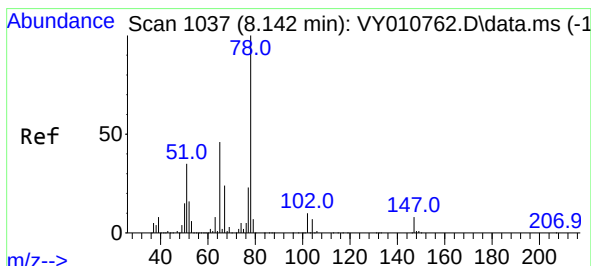
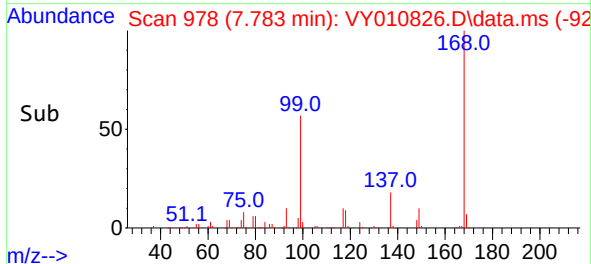
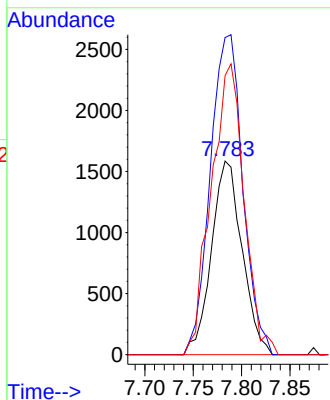
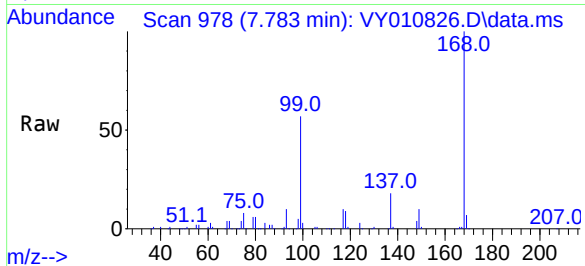




#31
Cyclohexane
Concen: 1.171 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010826.D
Acq: 05 Oct 2022 17:32

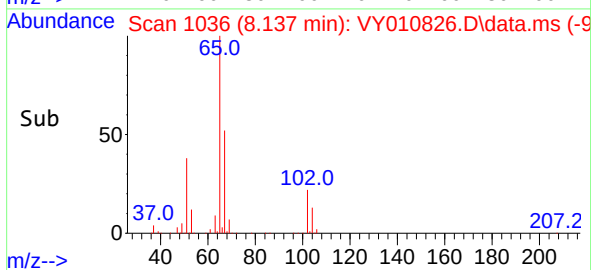
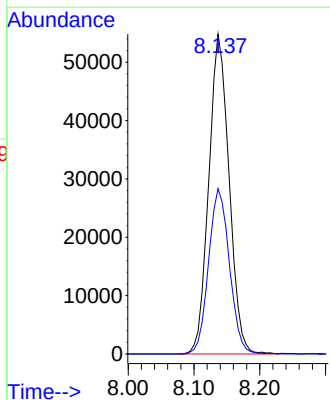
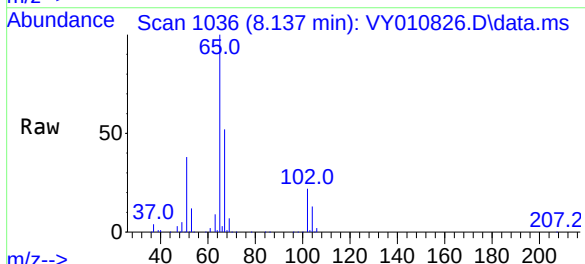
Instrument :
MSVOA_Y
ClientSampleId :
DA-21-17

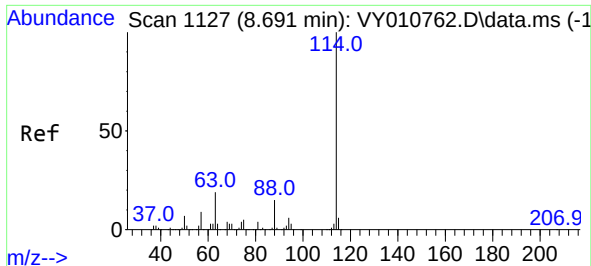
Tgt Ion: 56 Resp: 3498
Ion Ratio Lower Upper
56 100
69 163.8 26.7 40.1#
84 144.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 70.678 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY010826.D
Acq: 05 Oct 2022 17:32

Tgt Ion: 65 Resp: 117904
Ion Ratio Lower Upper
65 100
67 52.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY010826.D

Acq: 05 Oct 2022 17:32

Instrument :

MSVOA_Y

ClientSampleId :

DA-21-17

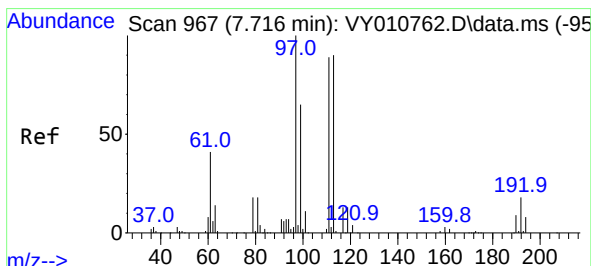
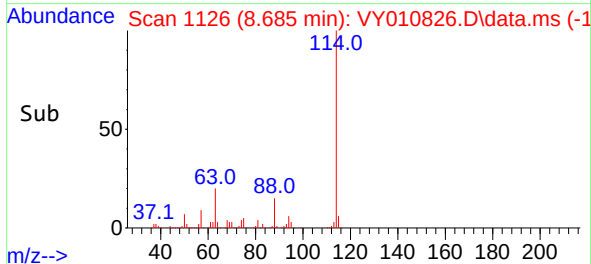
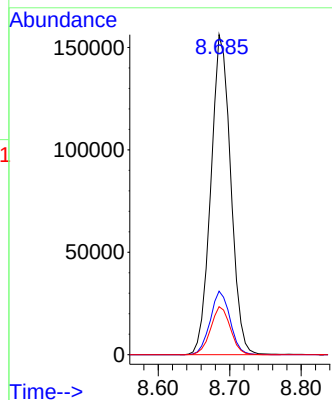
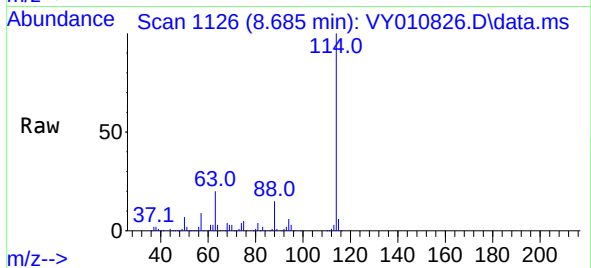
Tgt Ion:114 Resp: 301013

Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 60.939 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY010826.D

Acq: 05 Oct 2022 17:32

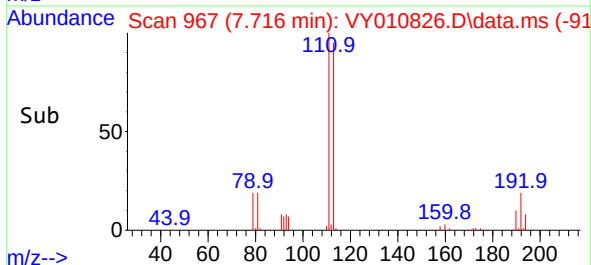
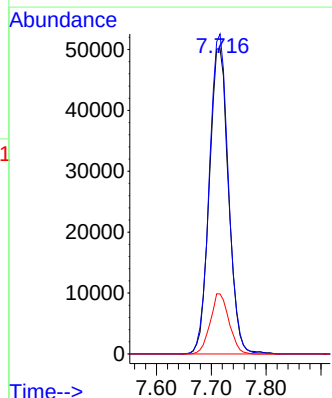
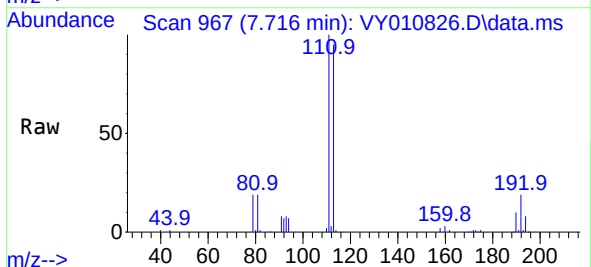
Tgt Ion:113 Resp: 121765

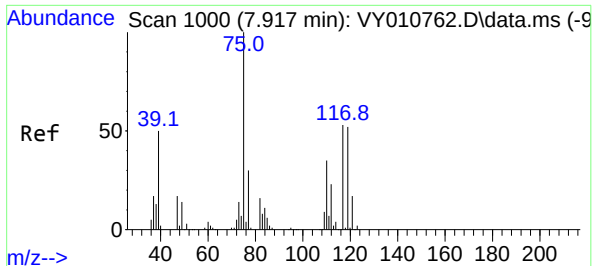
Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

192 19.2 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.609 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY010826.D

Acq: 05 Oct 2022 17:32

Instrument :

MSVOA_Y

ClientSampleId :

DA-21-17

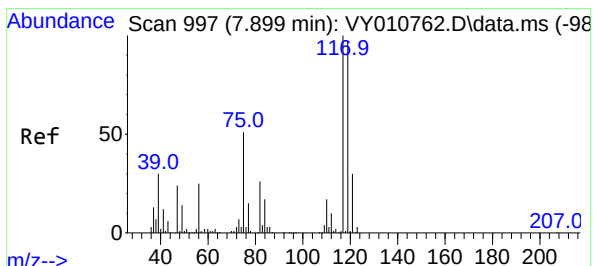
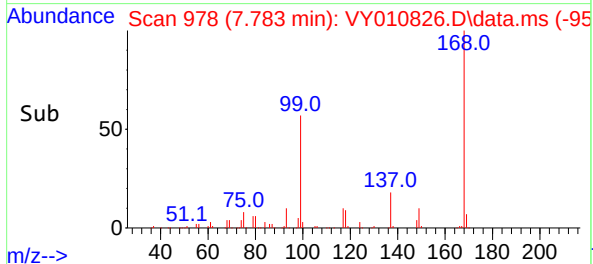
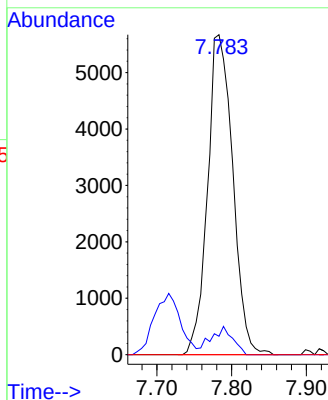
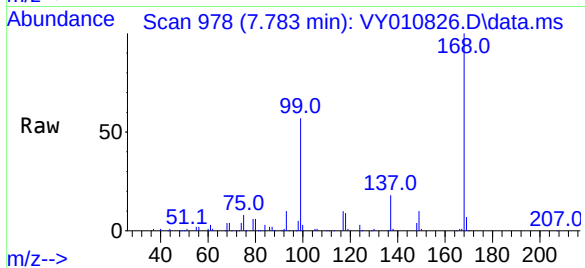
Tgt Ion: 75 Resp: 13295

Ion Ratio Lower Upper

75 100

110 7.7 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.491 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY010826.D

Acq: 05 Oct 2022 17:32

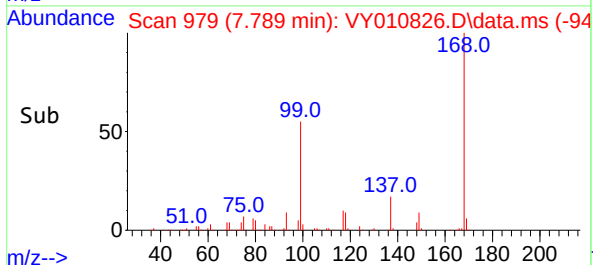
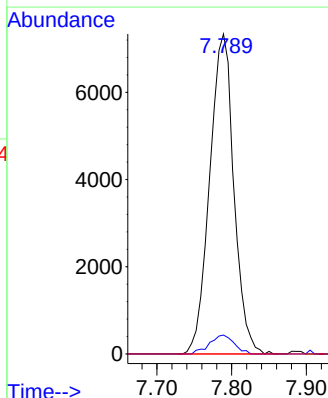
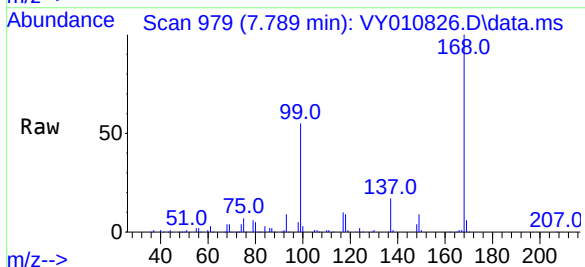
Tgt Ion: 117 Resp: 16498

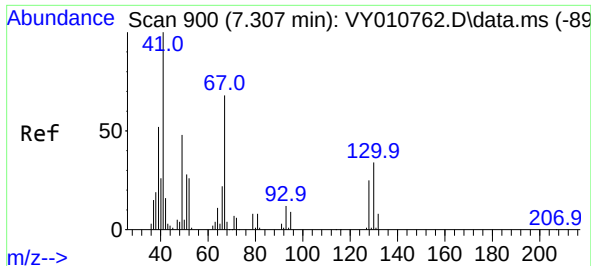
Ion Ratio Lower Upper

117 100

119 5.9 77.9 116.9#

121 0.0 24.8 37.2#

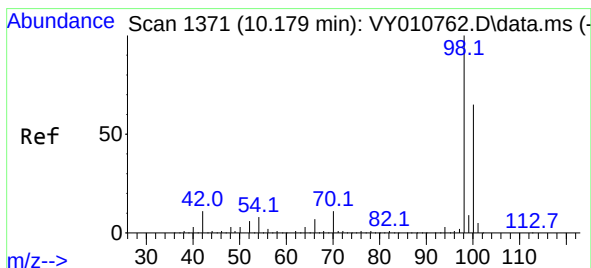
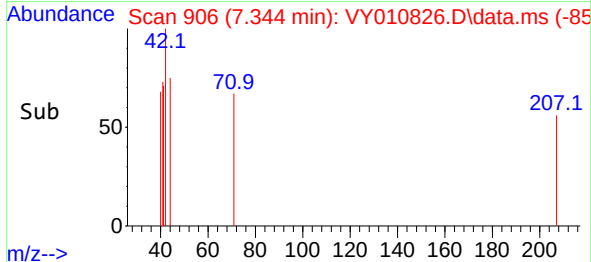
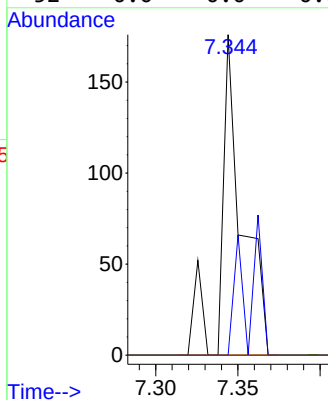
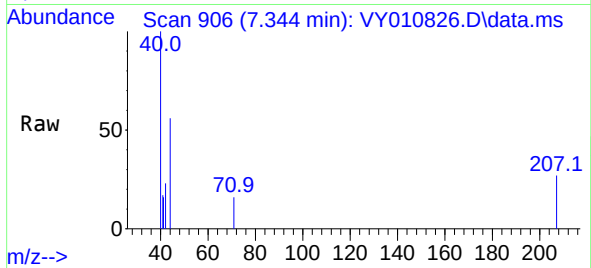




#41
Methacrylonitrile
Concen: 2.759 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.037 min
Lab File: VY010826.D
Acq: 05 Oct 2022 17:32

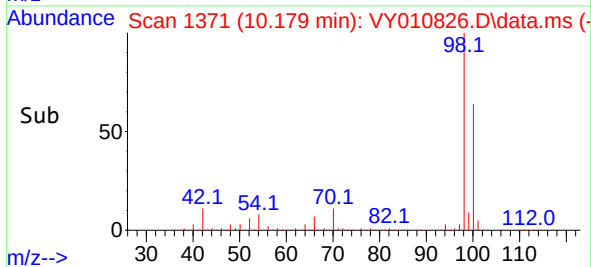
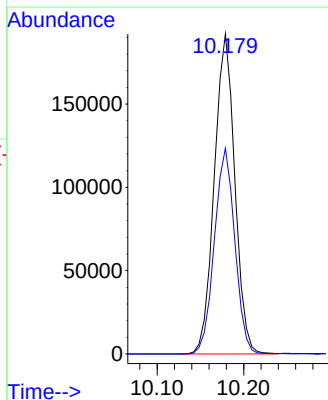
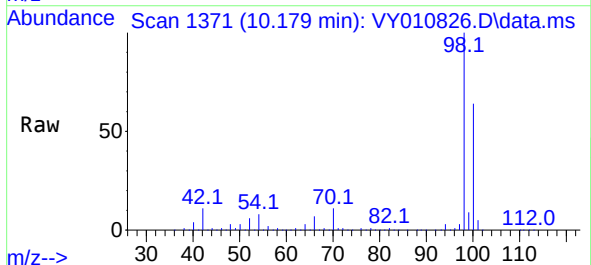
Instrument :
MSVOA_Y
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DA-21-17

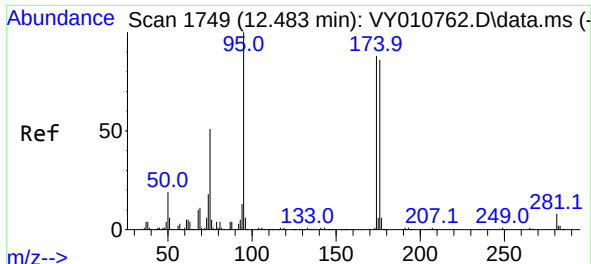
Tgt Ion: 41	Resp: 155
Ion Ratio	Lower Upper
41	100
39	15.5 92.9 139.3#
67	0.0 0.0 0.0
52	0.0 0.0 0.0



#50
Toluene-d8
Concen: 46.224 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010826.D
Acq: 05 Oct 2022 17:32

Tgt Ion: 98	Resp: 315867
Ion Ratio	Lower Upper
98	100
100	64.1 50.2 75.2

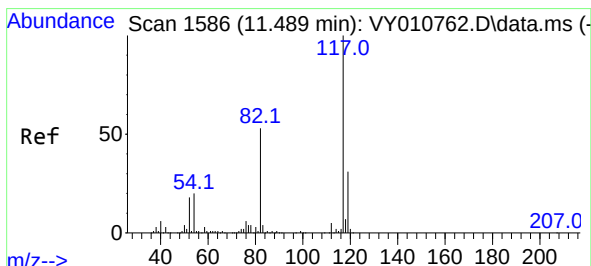
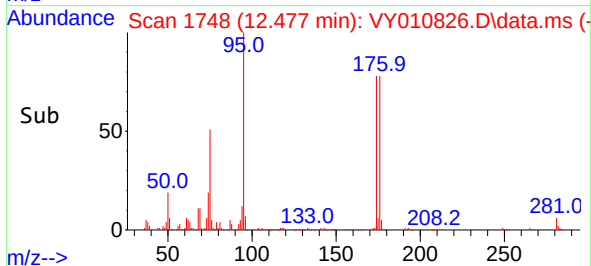
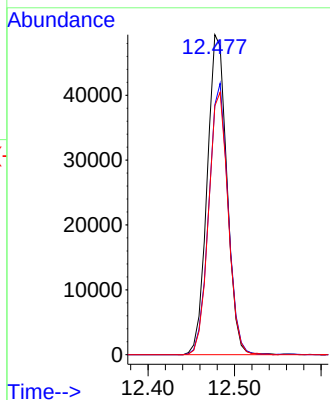
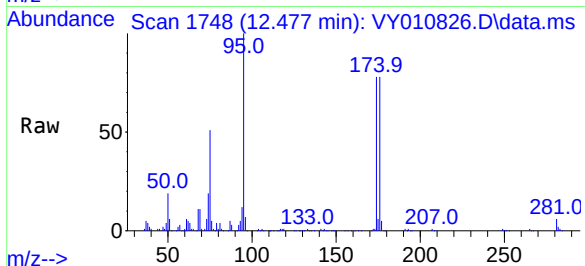




#62
4-Bromofluorobenzene
Concen: 27.540 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010826.D
Acq: 05 Oct 2022 17:32

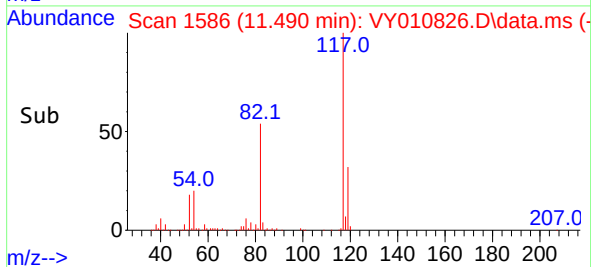
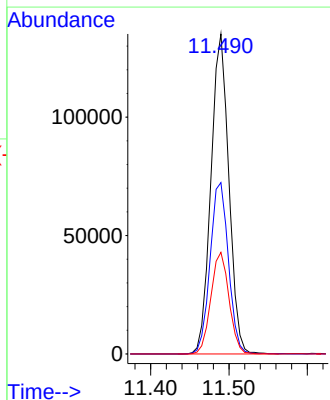
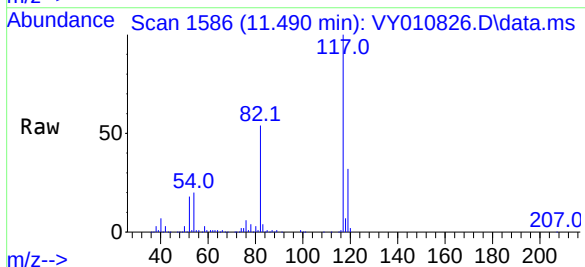
Instrument :
MSVOA_Y
ClientSampleId :
DA-21-17

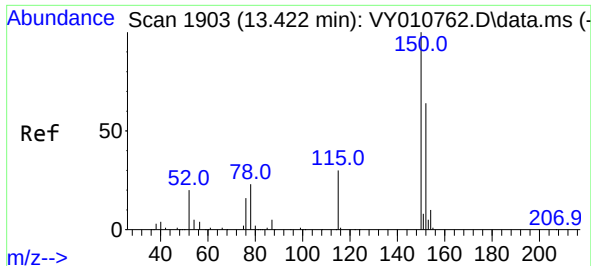
Tgt Ion: 95 Resp: 77937
Ion Ratio Lower Upper
95 100
174 83.0 0.0 177.0
176 81.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY010826.D
Acq: 05 Oct 2022 17:32

Tgt Ion: 117 Resp: 214443
Ion Ratio Lower Upper
117 100
82 53.5 43.0 64.4
119 31.8 25.4 38.0

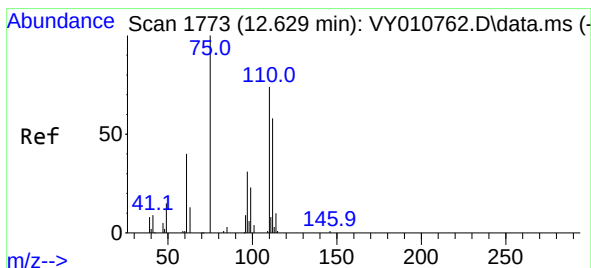
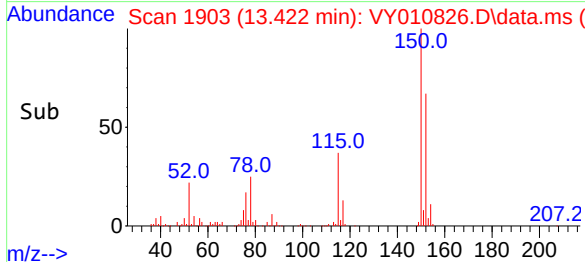
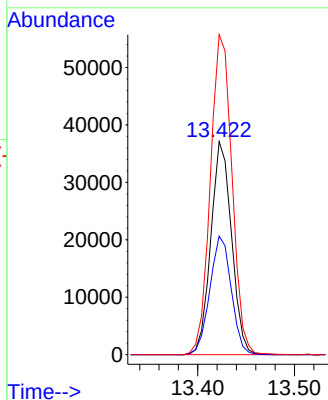
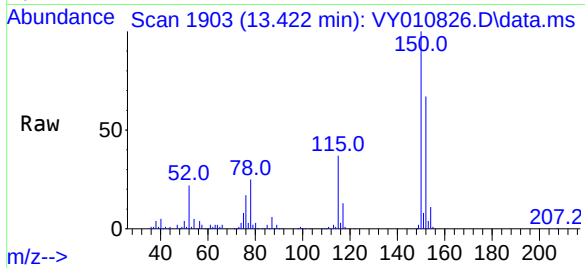




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY010826.D
 Acq: 05 Oct 2022 17:32

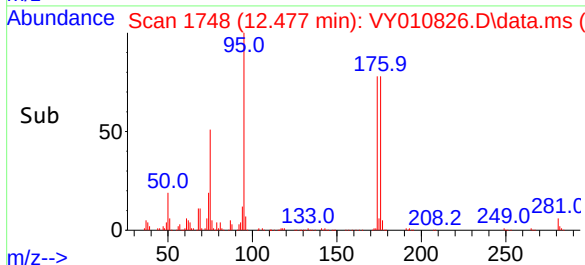
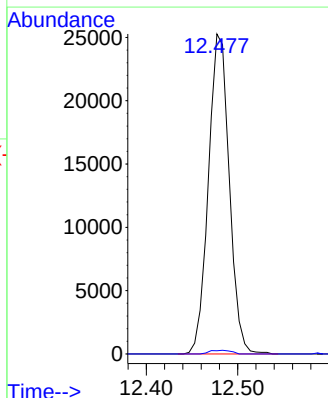
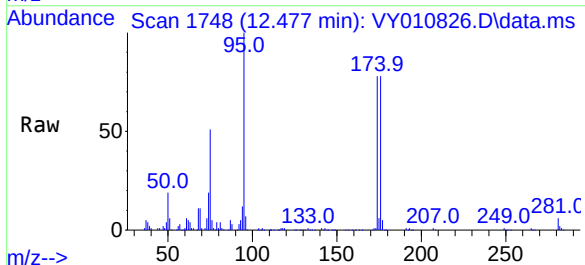
Instrument :
 MSVOA_Y
 ClientSampleId :
 DA-21-17

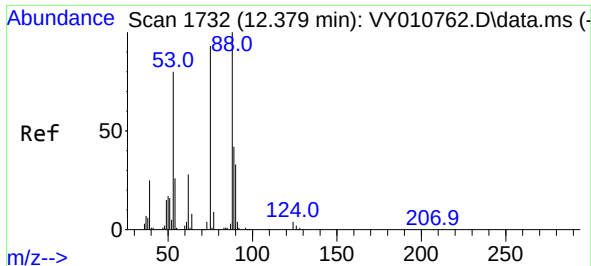
Tgt Ion:152 Resp: 55312
 Ion Ratio Lower Upper
 152 100
 115 57.4 28.2 84.7
 150 156.7 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 71.420 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY010826.D
 Acq: 05 Oct 2022 17:32

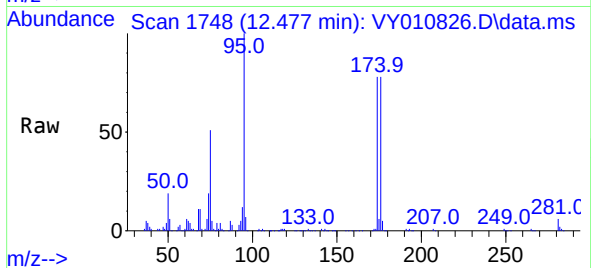
Tgt Ion: 75 Resp: 40005
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 149.190 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY010826.D
 Acq: 05 Oct 2022 17:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 DA-21-17



Tgt Ion: 75 Resp: 40005
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.2 37.0 55.4#

