

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101322\
 Data File : VY010961.D
 Acq On : 13 Oct 2022 16:33
 Operator : KP/MD
 Sample : N5118-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-4-101222

Quant Time: Oct 14 02:12:02 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)

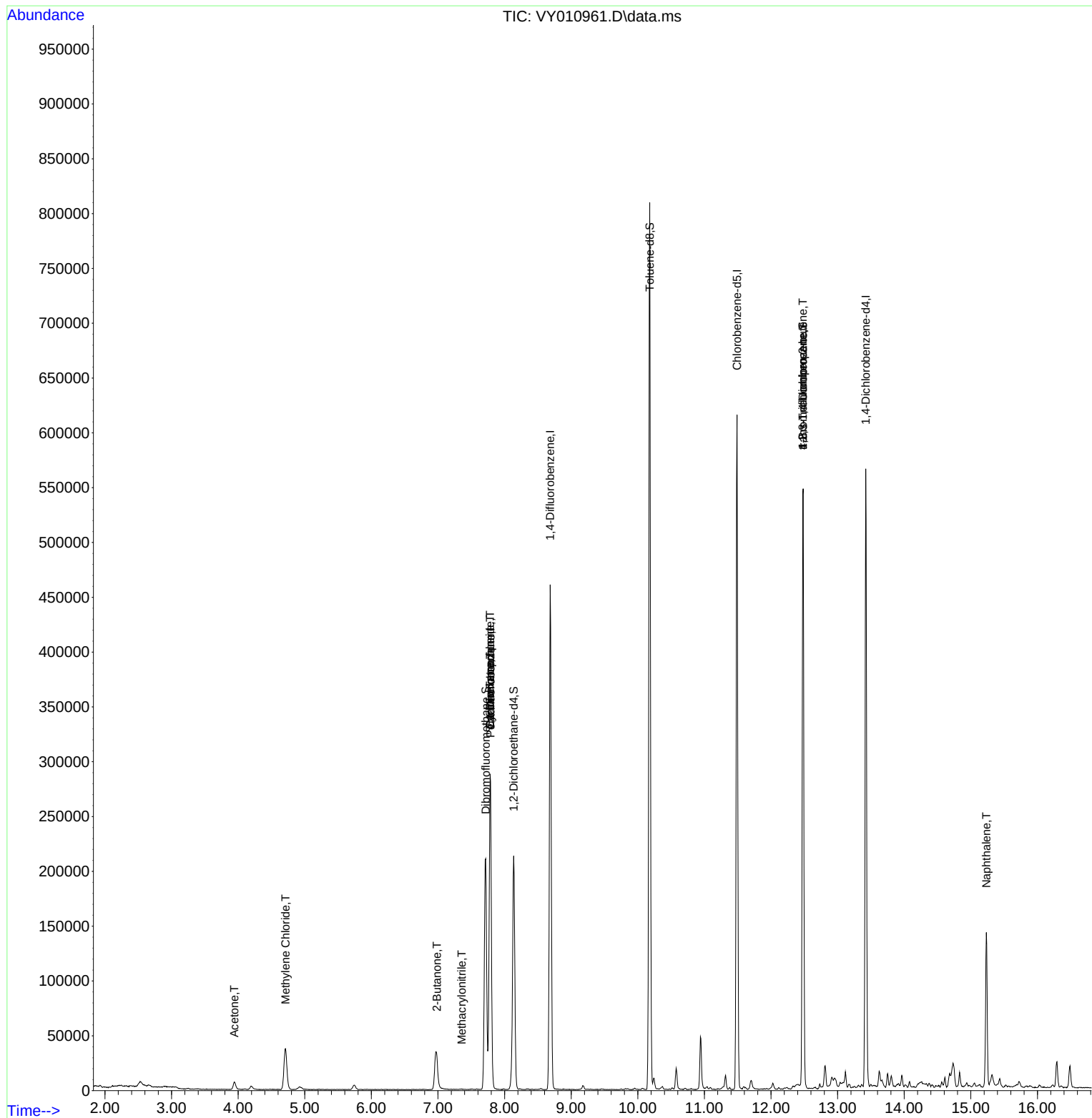
Internal Standards						
1) Pentafluorobenzene	7.789	168	224049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	390452	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	333224	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	145098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	158415	69.755	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 139.520%	
35) Dibromofluoromethane	7.716	113	155297	59.918	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.840%	
50) Toluene-d8	10.179	98	530581	59.859	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 119.720%	
62) 4-Bromofluorobenzene	12.477	95	170874	49.291	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.580%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	3506	Below Cal	#	80
16) Acetone	3.942	43	11882	20.601	ug/l #	87
20) Methylene Chloride	4.710	84	28858	6.920	ug/l #	88
25) 2-Butanone	6.984	43	3795	4.577	ug/l	93
31) Cyclohexane	7.783	56	5067	1.246	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	17855	4.772	ug/l #	51
38) Carbon Tetrachloride	7.783	117	22820	5.856	ug/l #	16
41) Methacrylonitrile	7.356	41	142	2.707	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	86560	58.909	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	86560	123.055	ug/l #	7
95) Naphthalene	15.233	128	116303	24.025	ug/l	99

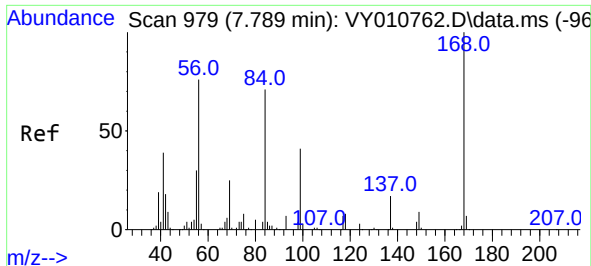
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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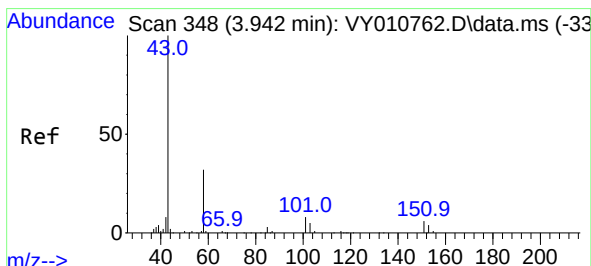
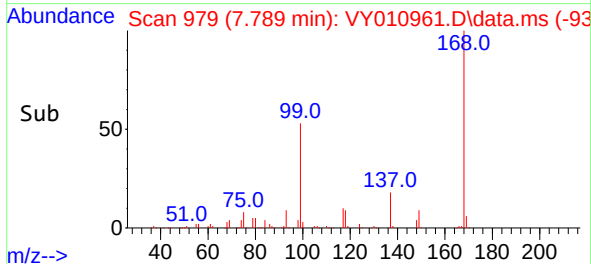
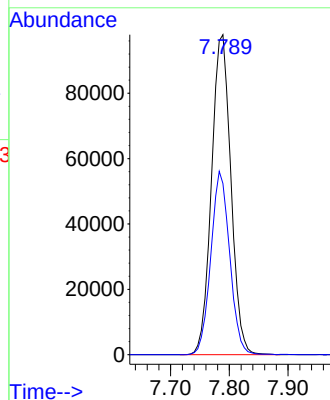
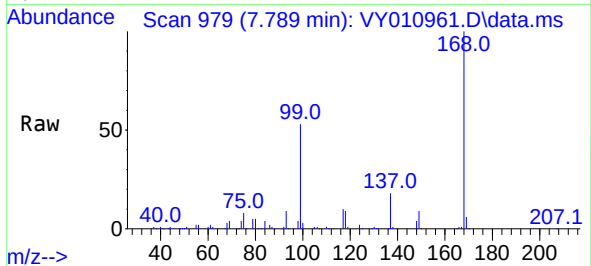




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010961.D
Acq: 13 Oct 2022 16:33

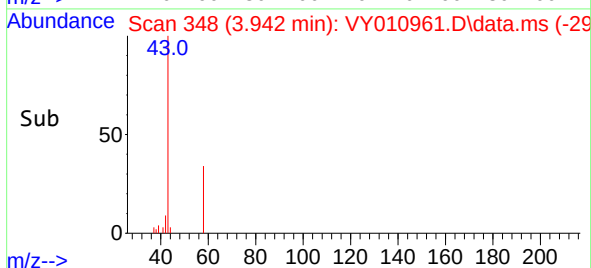
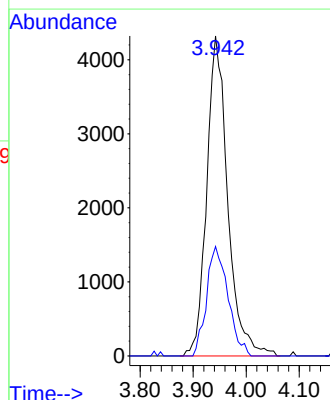
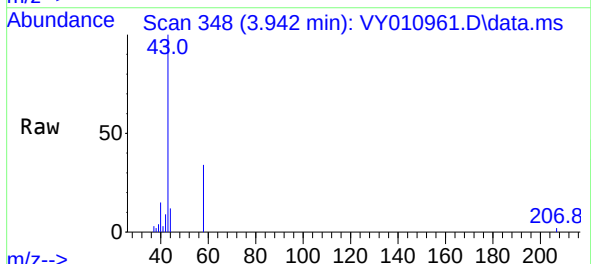
Instrument :
MSVOA_Y
ClientSampleId :
SU-4-101222

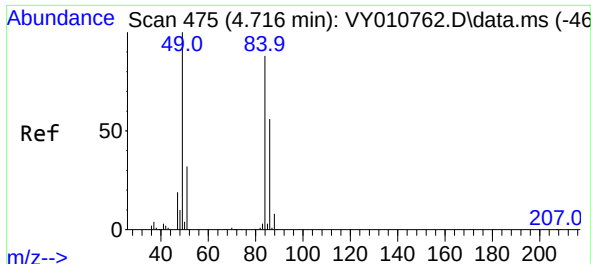
Tgt Ion:168 Resp: 224049
Ion Ratio Lower Upper
168 100
99 53.5 46.9 70.3



#16
Acetone
Concen: 20.601 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010961.D
Acq: 13 Oct 2022 16:33

Tgt Ion: 43 Resp: 11882
Ion Ratio Lower Upper
43 100
58 34.2 22.0 33.0#

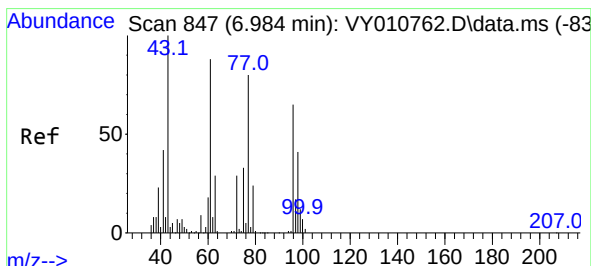
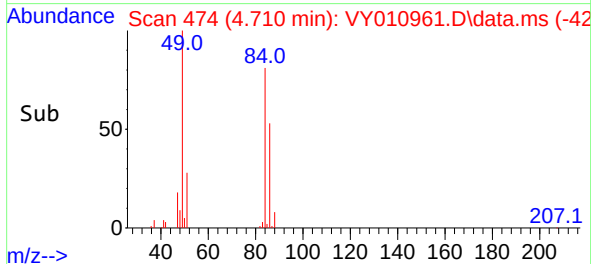
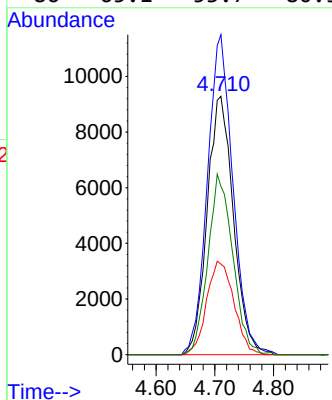
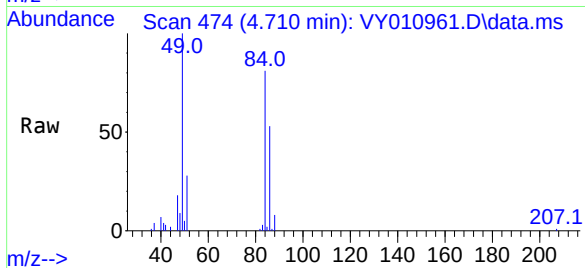




#20
Methylene Chloride
Concen: 6.920 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010961.D
Acq: 13 Oct 2022 16:33

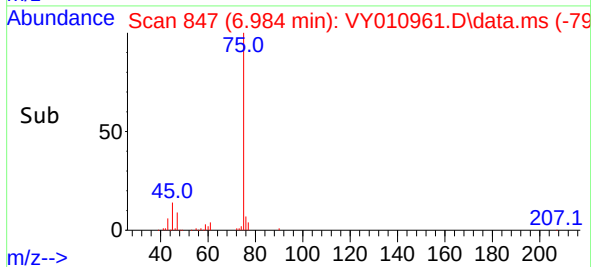
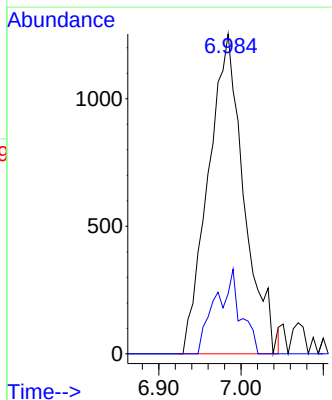
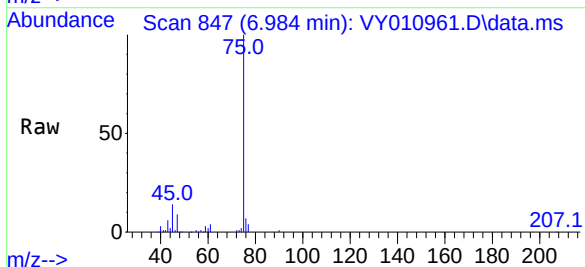
Instrument :
MSVOA_Y
ClientSampleId :
SU-4-101222

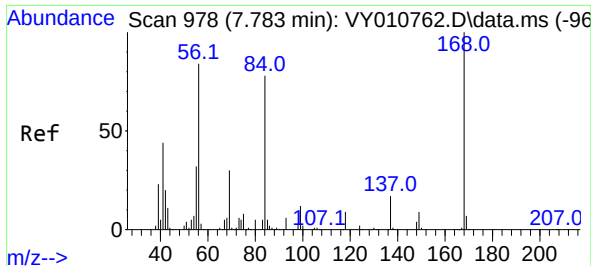
Tgt Ion: 84 Resp: 28858
Ion Ratio Lower Upper
84 100
49 123.8 114.4 171.6
51 35.0 35.3 52.9#
86 65.1 53.7 80.5



#25
2-Butanone
Concen: 4.577 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY010961.D
Acq: 13 Oct 2022 16:33

Tgt Ion: 43 Resp: 3795
Ion Ratio Lower Upper
43 100
72 18.7 17.7 26.5

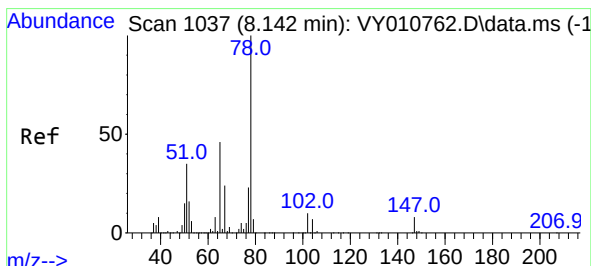
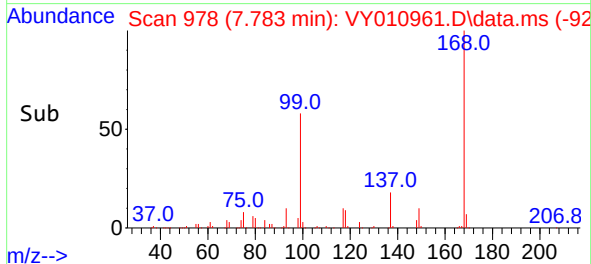
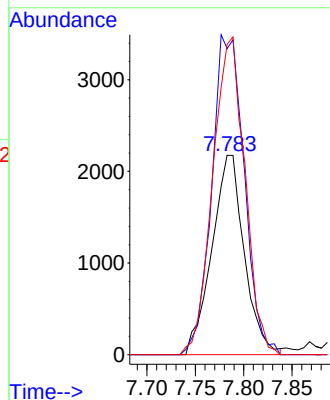
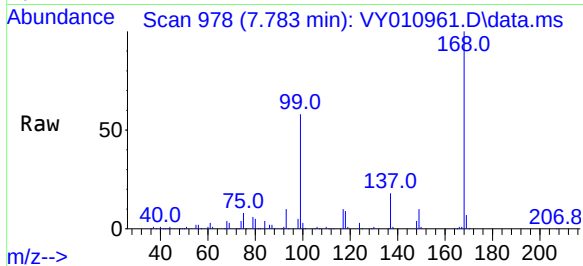




#31
Cyclohexane
Concen: 1.246 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010961.D
Acq: 13 Oct 2022 16:33

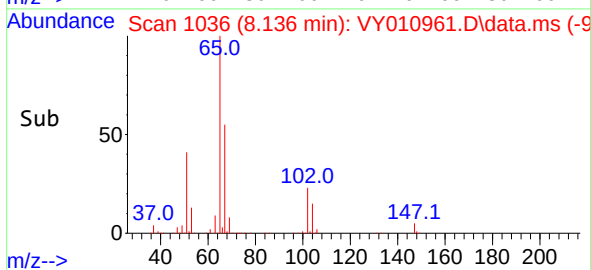
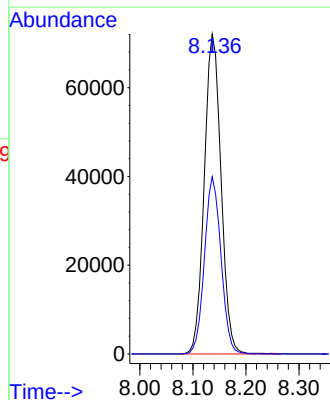
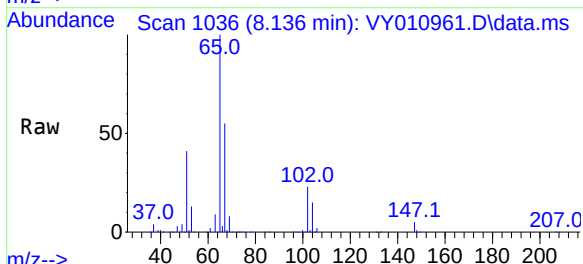
Instrument :
MSVOA_Y
ClientSampleId :
SU-4-101222

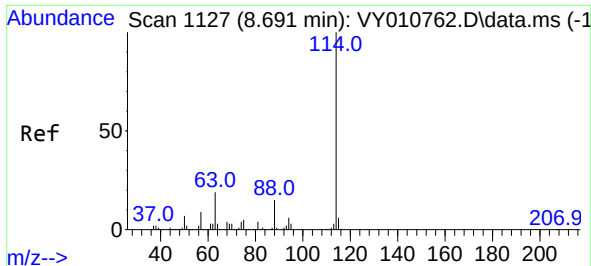
Tgt Ion: 56 Resp: 5067
Ion Ratio Lower Upper
56 100
69 153.6 26.7 40.1#
84 155.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 69.755 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY010961.D
Acq: 13 Oct 2022 16:33

Tgt Ion: 65 Resp: 158415
Ion Ratio Lower Upper
65 100
67 54.4 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: VY010961.D

Acq: 13 Oct 2022 16:33

Instrument :

MSVOA_Y

ClientSampleId :

SU-4-101222

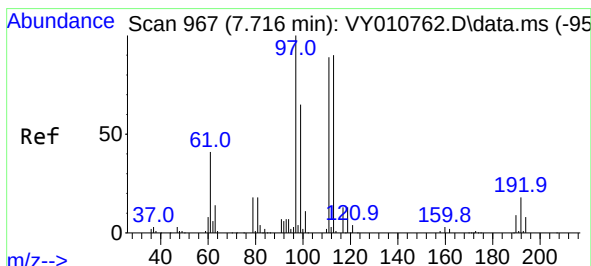
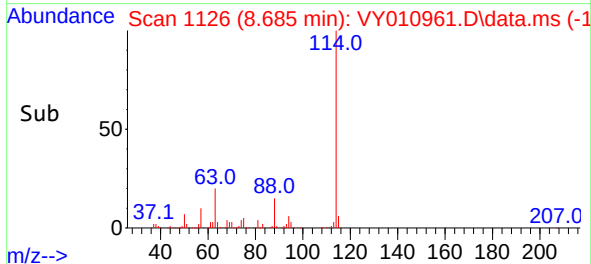
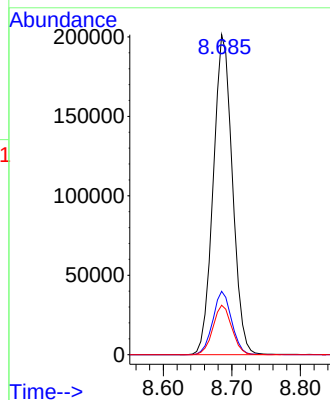
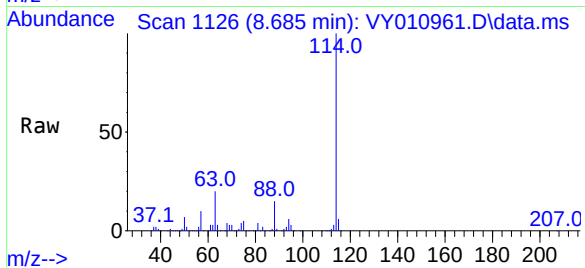
Tgt Ion:114 Resp: 390452

Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

88 15.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 59.918 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY010961.D

Acq: 13 Oct 2022 16:33

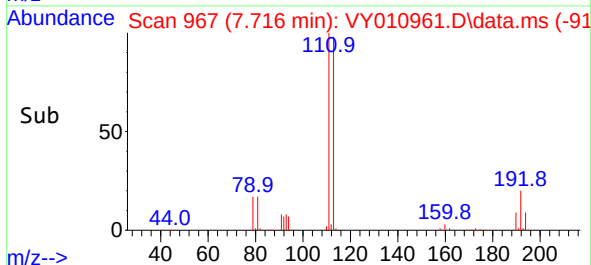
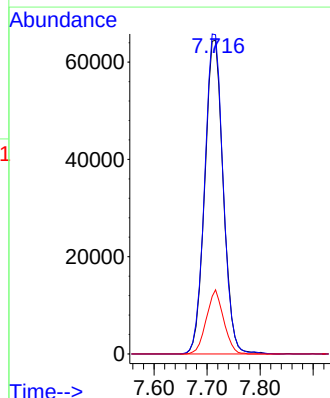
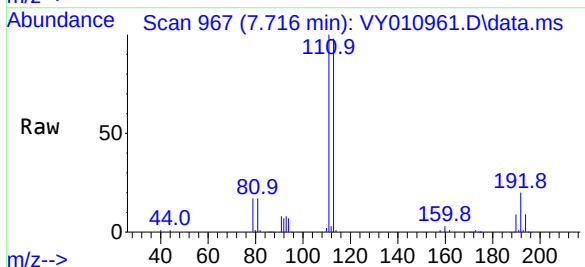
Tgt Ion:113 Resp: 155297

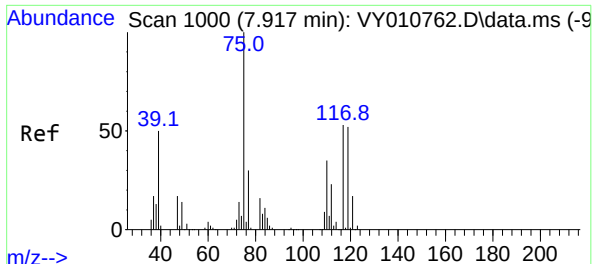
Ion Ratio Lower Upper

113 100

111 102.1 82.6 124.0

192 19.2 17.6 26.4

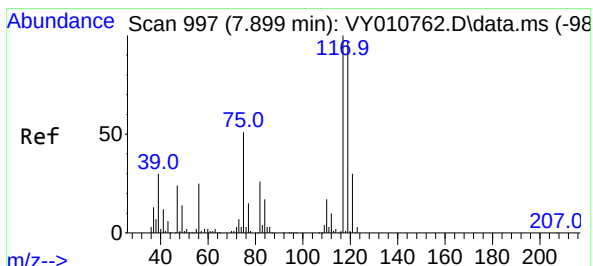
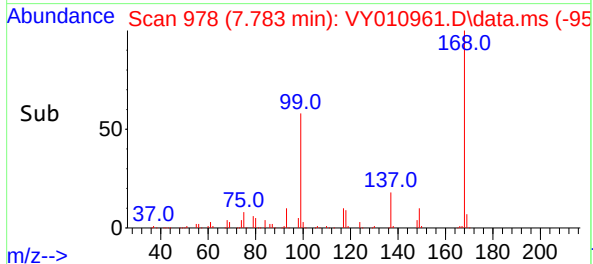
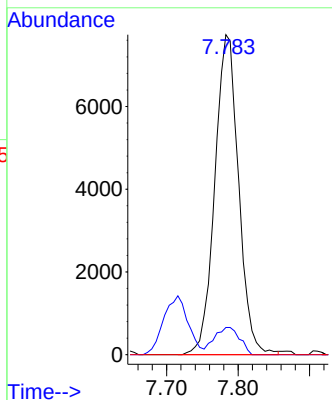
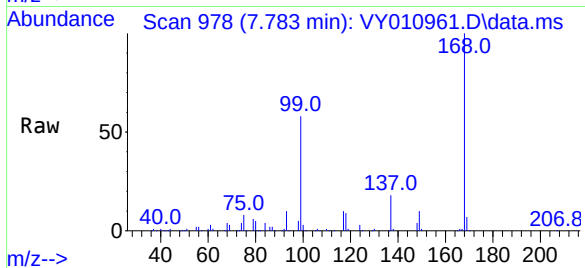




#36
 1,1-Dichloropropene
 Concen: 4.772 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY010961.D
 Acq: 13 Oct 2022 16:33

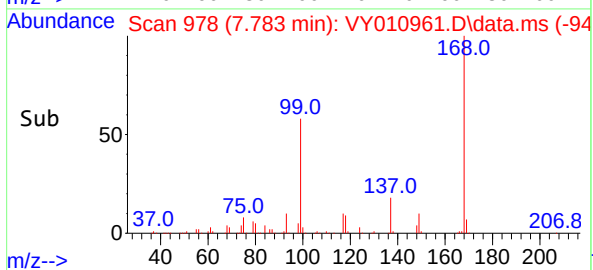
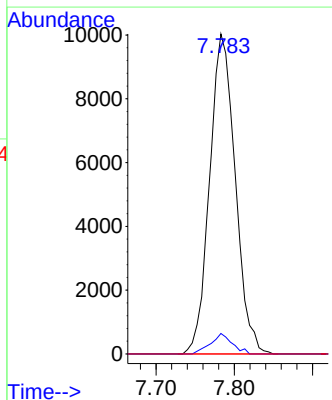
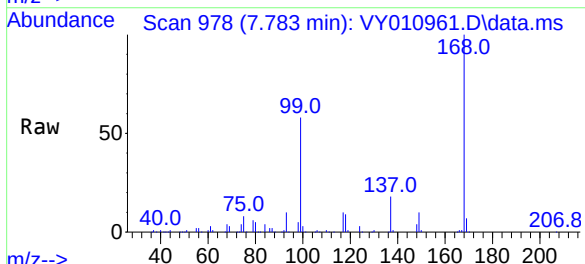
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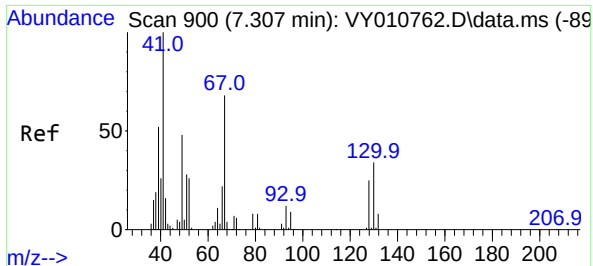
Tgt Ion: 75 Resp: 17855
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.1 51.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.856 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.116 min
 Lab File: VY010961.D
 Acq: 13 Oct 2022 16:33

Tgt Ion: 117 Resp: 22820
 Ion Ratio Lower Upper
 117 100
 119 6.4 77.9 116.9#
 121 0.0 24.8 37.2#

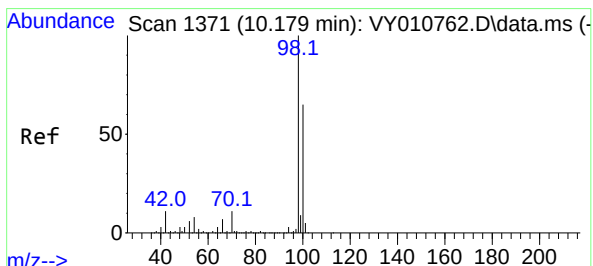
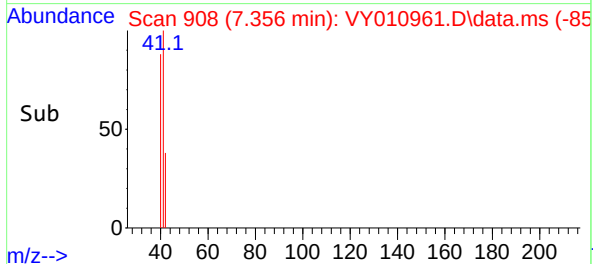
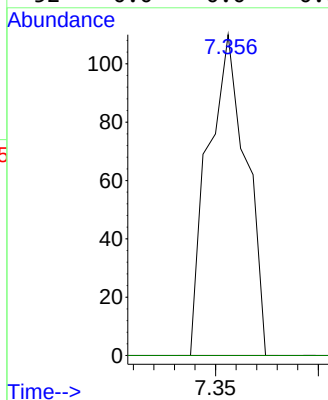
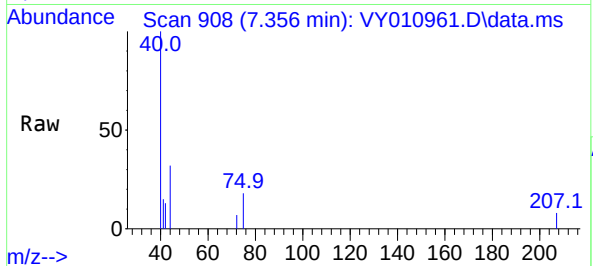




#41
Methacrylonitrile
Concen: 2.707 ug/l
RT: 7.356 min Scan# 90
Delta R.T. 0.049 min
Lab File: VY010961.D
Acq: 13 Oct 2022 16:33

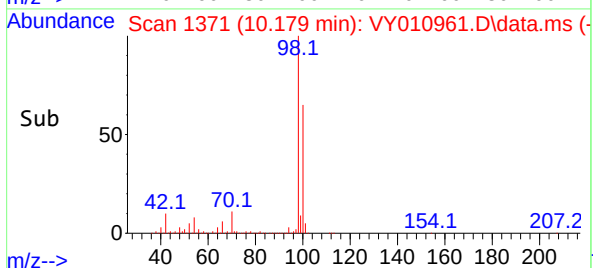
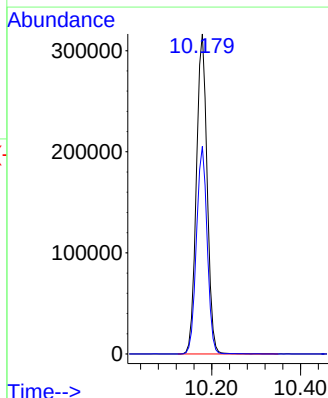
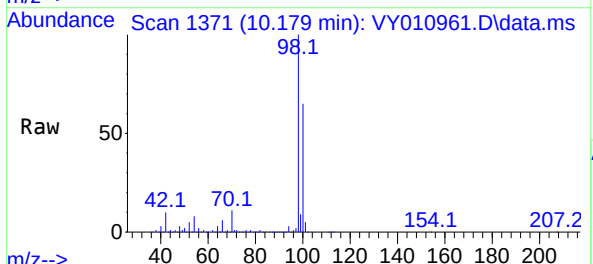
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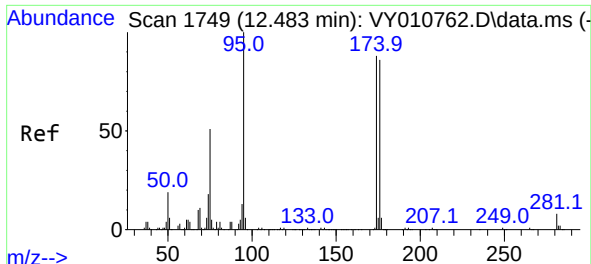
Tgt Ion: 41	Resp:	142
Ion	Ratio	Lower Upper
41	100	
39	0.0	92.9 139.3#
67	0.0	0.0 0.0
52	0.0	0.0 0.0



#50
Toluene-d8
Concen: 59.859 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010961.D
Acq: 13 Oct 2022 16:33

Tgt Ion: 98	Resp:	530581
Ion	Ratio	Lower Upper
98	100	
100	64.6	50.2 75.2

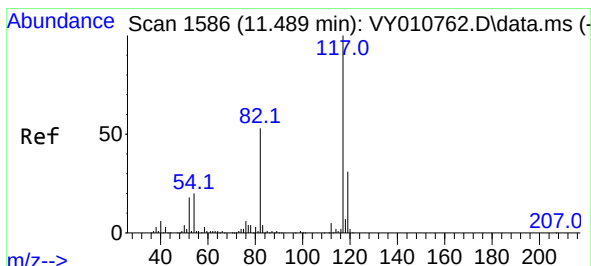
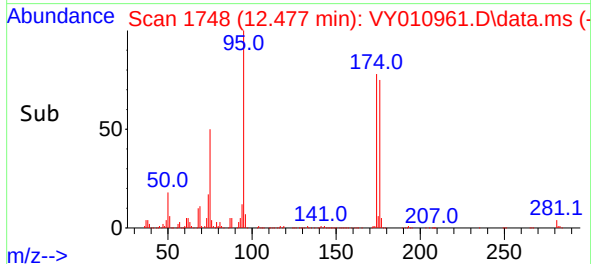
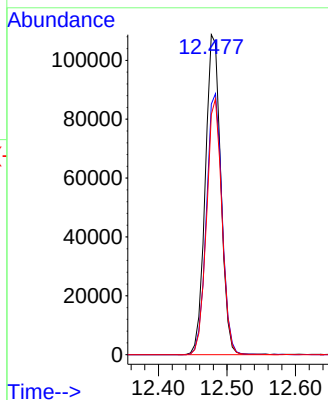
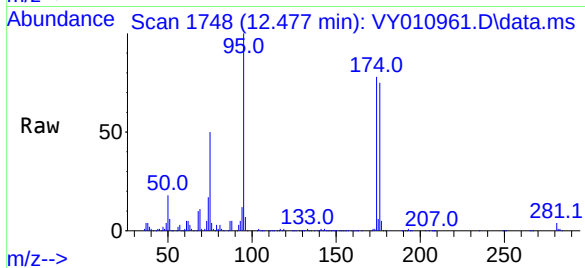




#62
4-Bromofluorobenzene
Concen: 49.291 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010961.D
Acq: 13 Oct 2022 16:33

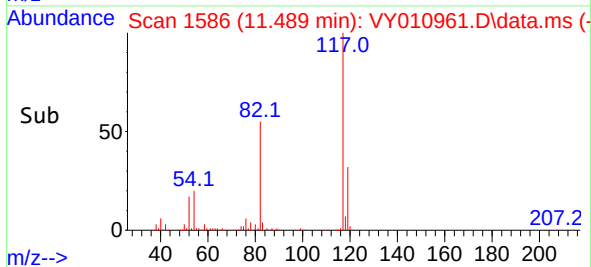
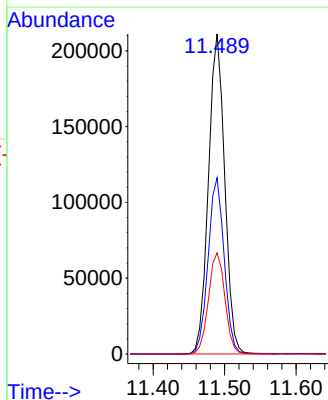
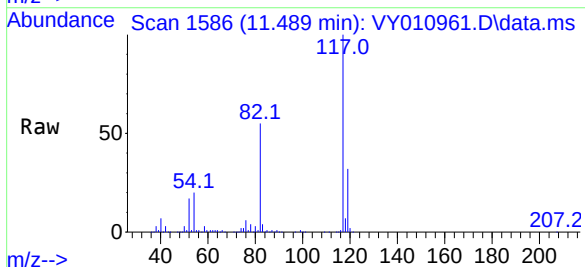
Instrument :
MSVOA_Y
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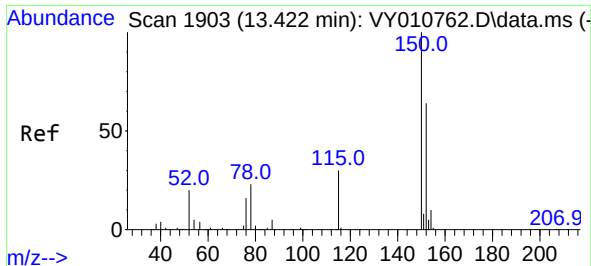
Tgt Ion: 95 Resp: 170874
Ion Ratio Lower Upper
95 100
174 82.6 0.0 177.0
176 79.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010961.D
Acq: 13 Oct 2022 16:33

Tgt Ion: 117 Resp: 333224
Ion Ratio Lower Upper
117 100
82 55.1 43.0 64.4
119 31.6 25.4 38.0

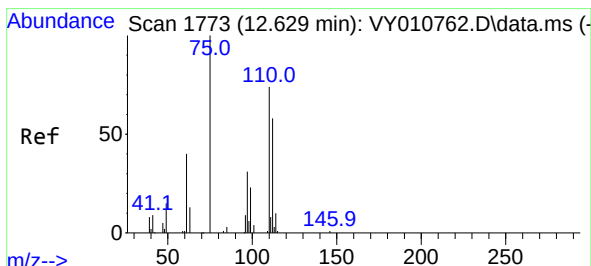
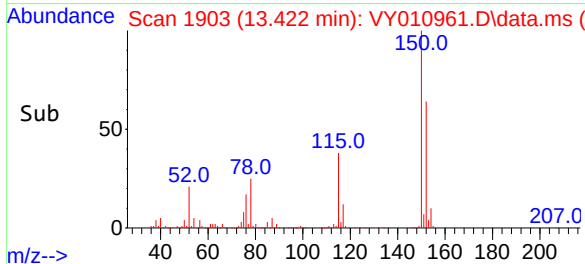
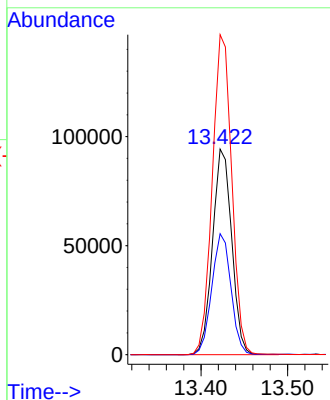
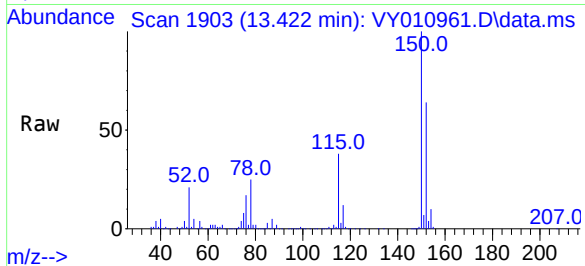




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 14
Delta R.T. 0.000 min
Lab File: VY010961.D
Acq: 13 Oct 2022 16:33

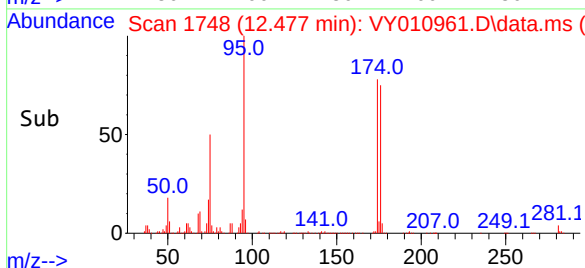
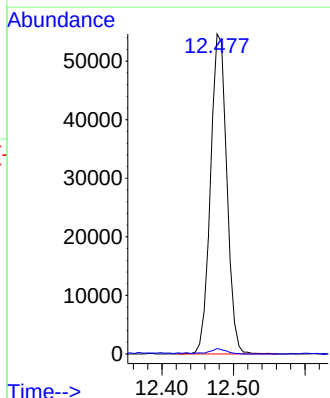
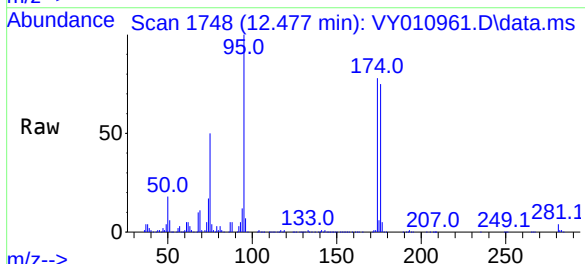
Instrument :
MSVOA_Y
ClientSampleId :
SU-4-101222

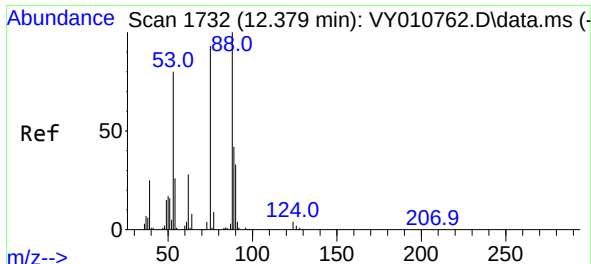
Tgt Ion:152 Resp: 145098
Ion Ratio Lower Upper
152 100
115 58.8 28.2 84.7
150 158.0 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 58.909 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010961.D
Acq: 13 Oct 2022 16:33

Tgt Ion: 75 Resp: 86560
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#

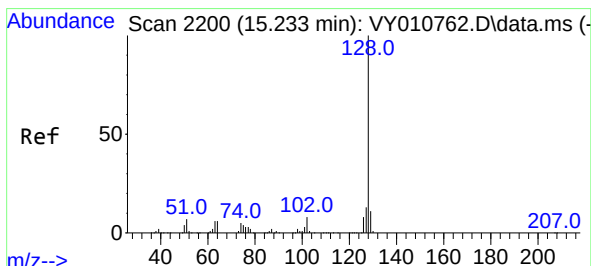
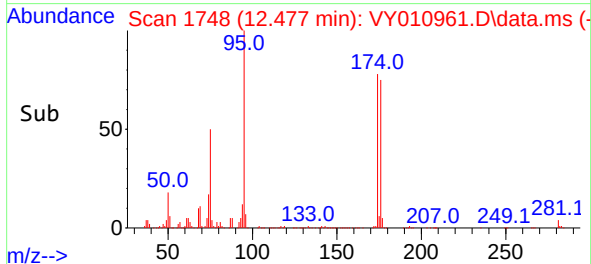
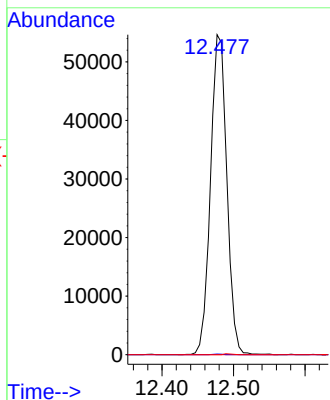
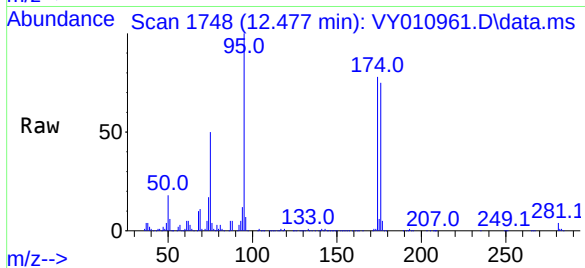




#81
trans-1,4-Dichloro-2-butene
Concen: 123.055 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY010961.D
Acq: 13 Oct 2022 16:33

Instrument :
MSVOA_Y
ClientSampleId :
SU-4-101222

Tgt Ion: 75 Resp: 86560
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 24.025 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY010961.D
Acq: 13 Oct 2022 16:33

Tgt Ion:128 Resp: 116303
Ion Ratio Lower Upper
128 100
127 13.2 11.0 16.4
129 10.8 8.4 12.6

