

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091922\
 Data File : VY010559.D
 Acq On : 19 Sep 2022 18:24
 Operator : KP/MD
 Sample : N4655-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-3-091522

Quant Time: Sep 20 01:05:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

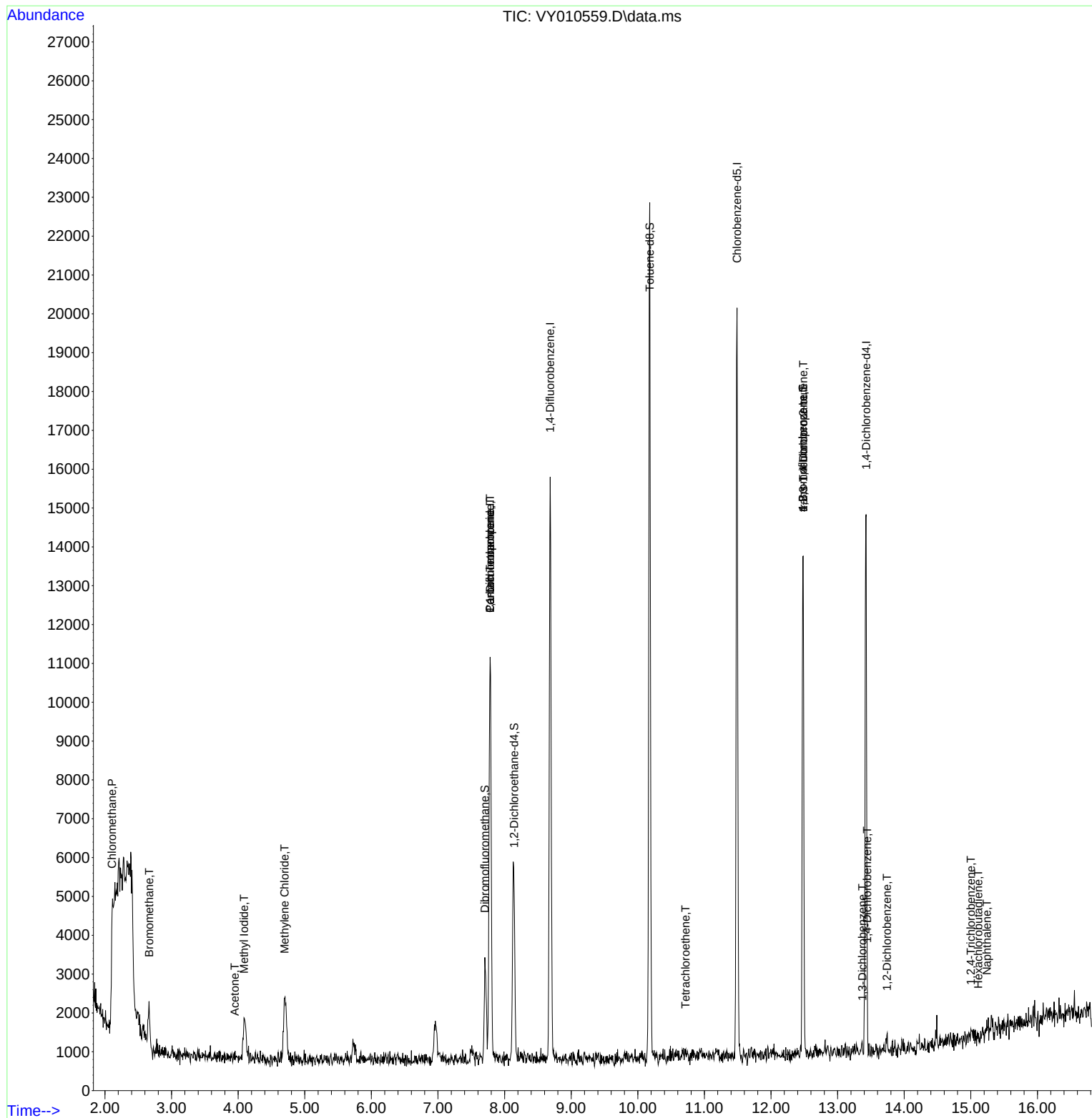
Internal Standards						
1) Pentafluorobenzene	7.783	168	9129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	13312	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	10852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	4119	47.173	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.340%
35) Dibromofluoromethane	7.704	113	1961	23.082	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	46.160%#
50) Toluene-d8	10.179	98	14815	47.360	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.720%
62) 4-Bromofluorobenzene	12.477	95	4151	34.801	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	69.600%
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	791	9.032	ug/l	96
4) Vinyl Chloride	2.247	62	44	Below Cal	#	43
5) Bromomethane	2.662	94	731	9.421	ug/l	92
10) Methyl Iodide	4.088	142	1970	23.621	ug/l	# 88
16) Acetone	3.948	43	166	9.323	ug/l	# 47
20) Methylene Chloride	4.698	84	1436	4.315	ug/l	91
31) Cyclohexane	7.789	56	65	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	574	6.064	ug/l	# 42
38) Carbon Tetrachloride	7.783	117	756	6.946	ug/l	# 11
64) Tetrachloroethene	10.715	164	75	1.035	ug/l	# 42
76) 1,2,3-Trichloropropane	12.483	75	2212	58.837	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	2212	130.821	ug/l	# 7
87) 1,3-Dichlorobenzene	13.373	146	124	1.055	ug/l	# 57
88) 1,4-Dichlorobenzene	13.446	146	161	1.384	ug/l	# 61
91) 1,2-Dichlorobenzene	13.739	146	110	1.050	ug/l	# 57
93) 1,2,4-Trichlorobenzene	15.001	180	127	1.988	ug/l	# 29
94) Hexachlorobutadiene	15.111	225	64	1.648	ug/l	# 19
95) Naphthalene	15.239	128	258	2.004	ug/l	# 69

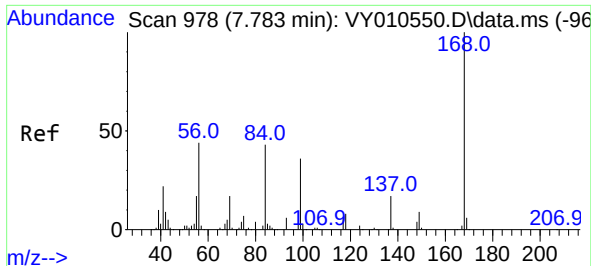
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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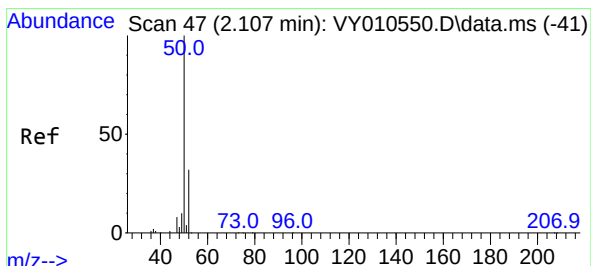
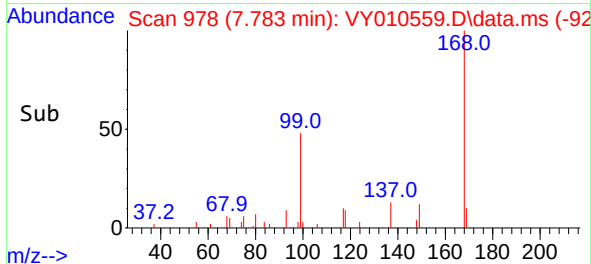
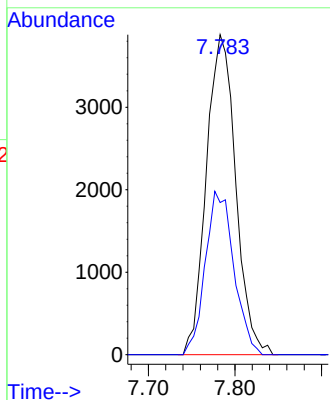
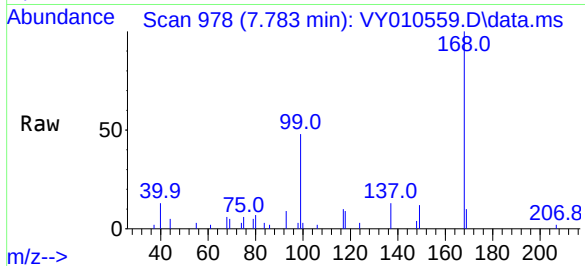




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

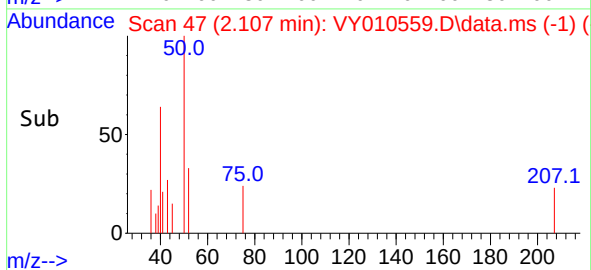
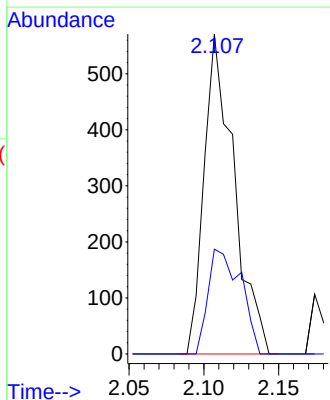
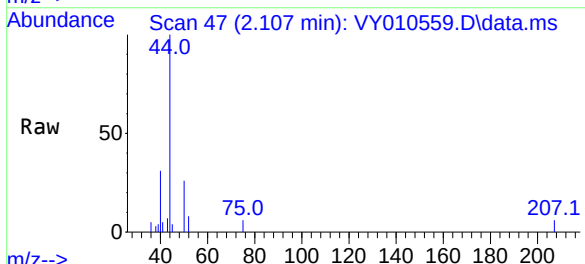
Instrument :
MSVOA_Y
ClientSampleId :
SU-3-091522

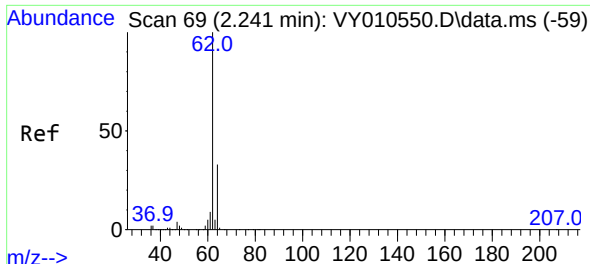
Tgt Ion:168 Resp: 9129
Ion Ratio Lower Upper
168 100
99 47.6 46.9 70.3



#3
Chloromethane
Concen: 9.032 ug/l
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

Tgt Ion: 50 Resp: 791
Ion Ratio Lower Upper
50 100
52 32.7 24.6 37.0

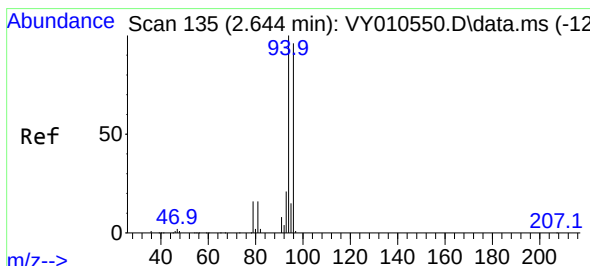
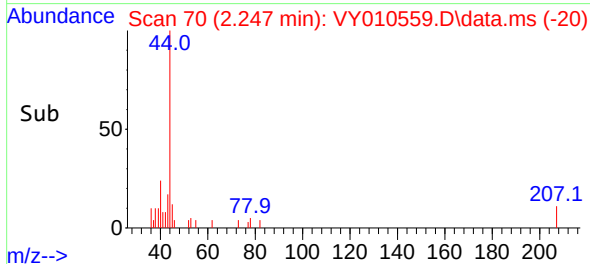
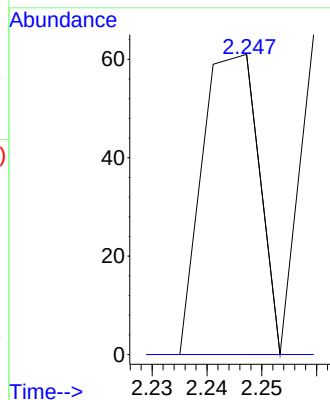
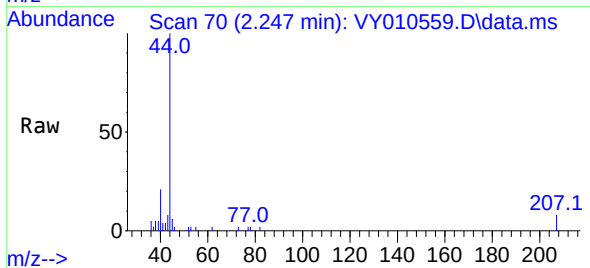




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.247 min Scan# 70
 Delta R.T. 0.006 min
 Lab File: VY010559.D
 Acq: 19 Sep 2022 18:24

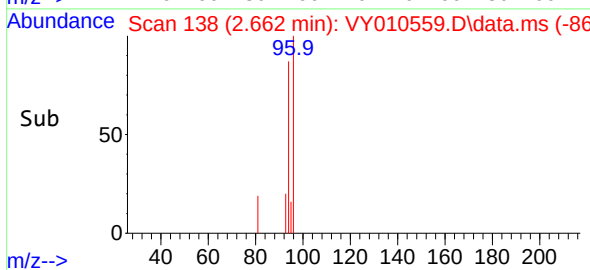
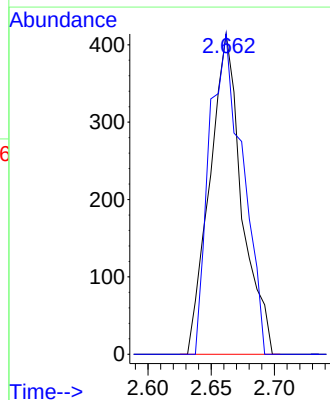
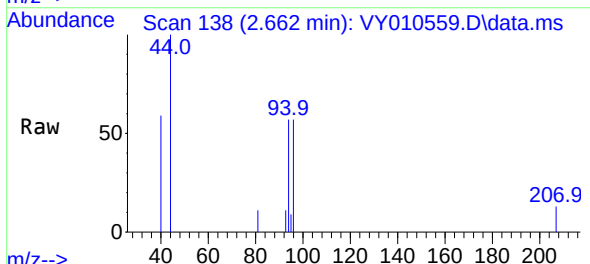
Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-3-091522

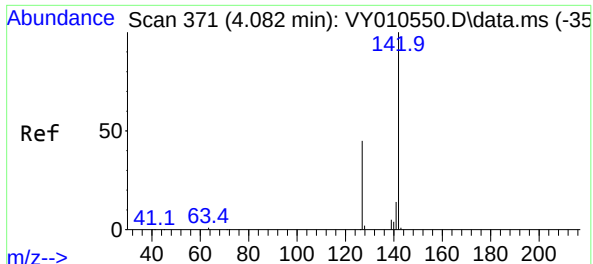
Tgt Ion: 62 Resp: 44
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: 9.421 ug/l
 RT: 2.662 min Scan# 138
 Delta R.T. 0.018 min
 Lab File: VY010559.D
 Acq: 19 Sep 2022 18:24

Tgt Ion: 94 Resp: 731
 Ion Ratio Lower Upper
 94 100
 96 100.0 73.5 110.3

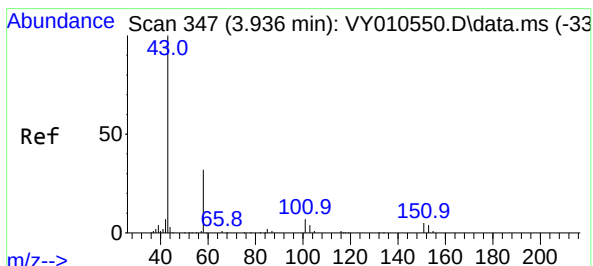
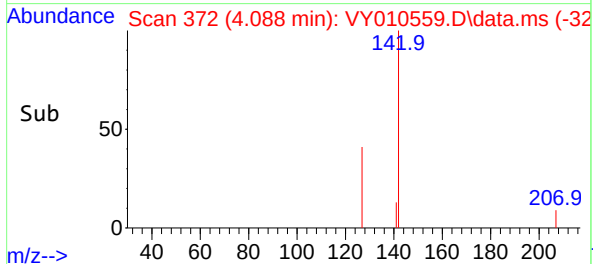
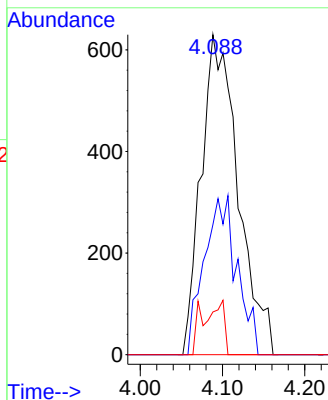
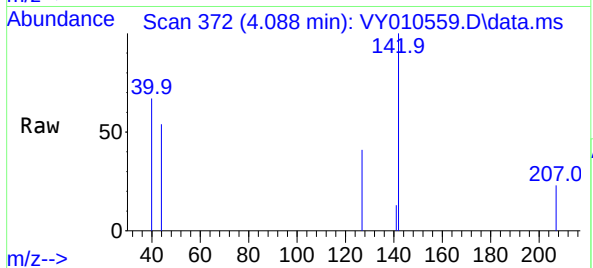




#10
Methyl Iodide
Concen: 23.621 ug/l
RT: 4.088 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

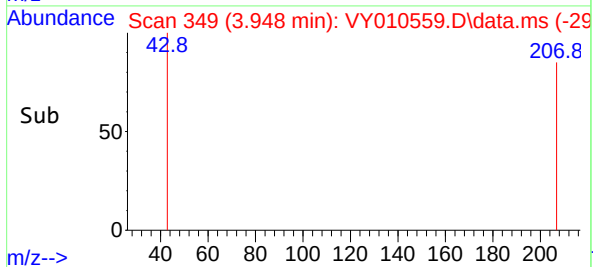
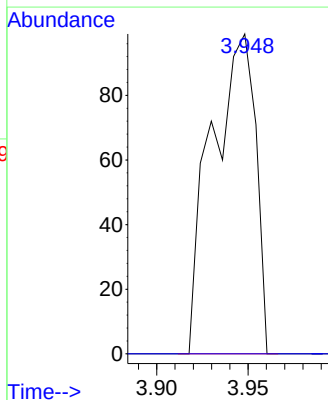
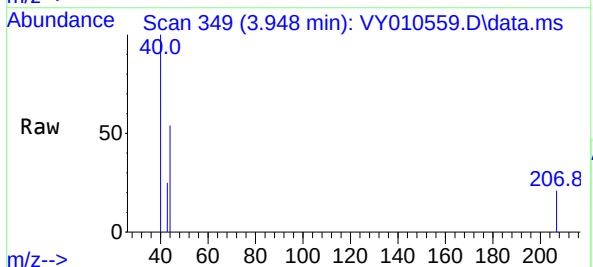
Instrument :
MSVOA_Y
ClientSampleId :
SU-3-091522

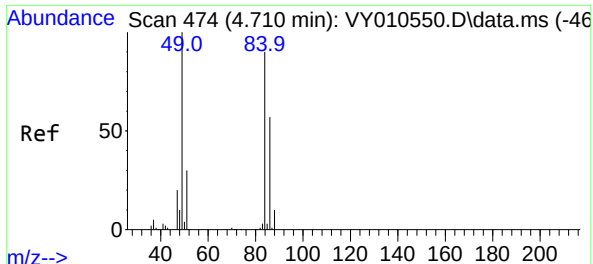
Tgt Ion:142 Resp: 1970
Ion Ratio Lower Upper
142 100
127 43.8 41.5 62.3
141 9.4 11.9 17.9#



#16
Acetone
Concen: 9.323 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.012 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

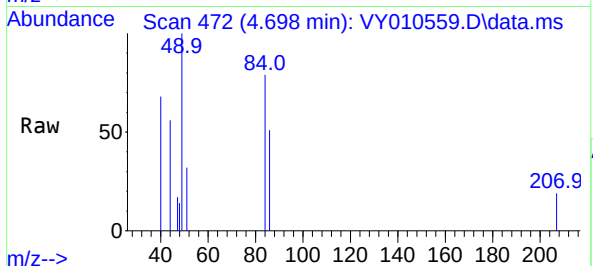
Tgt Ion: 43 Resp: 166
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#





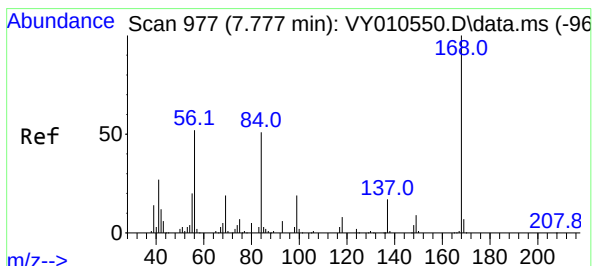
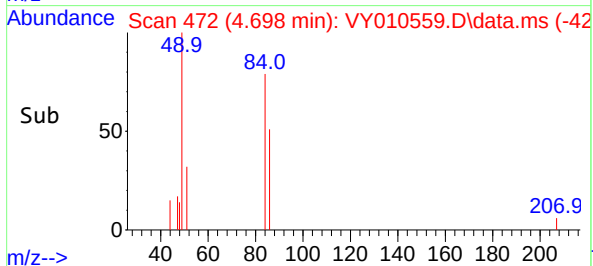
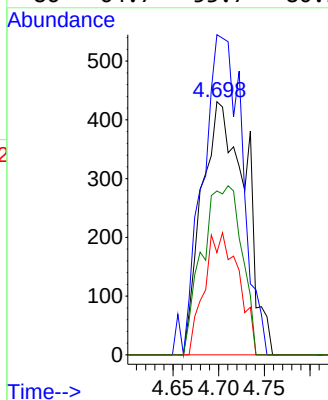
#20
Methylene Chloride
Concen: 4.315 ug/l
RT: 4.698 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

Instrument :
MSVOA_Y
ClientSampleId :
SU-3-091522



Tgt Ion: 84 Resp: 1436

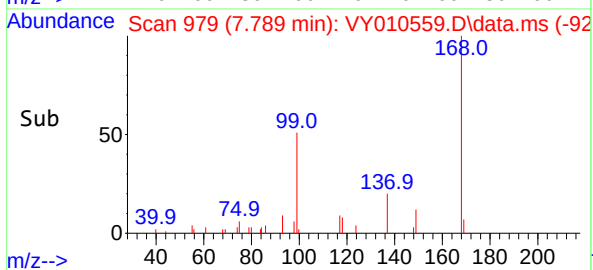
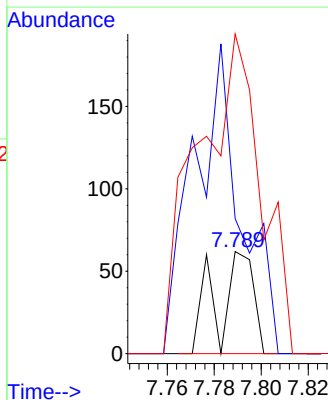
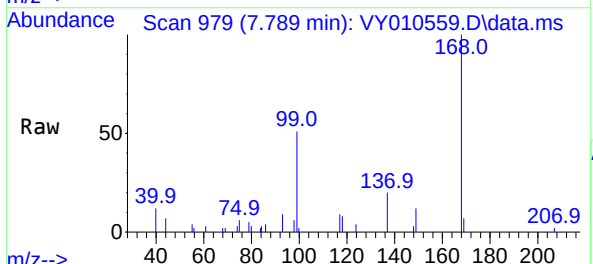
Ion	Ratio	Lower	Upper
84	100		
49	126.5	114.4	171.6
51	40.4	35.3	52.9
86	64.7	53.7	80.5

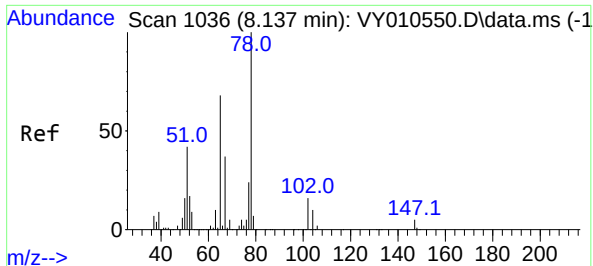


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

Tgt Ion: 56 Resp: 65

Ion	Ratio	Lower	Upper
56	100		
69	132.3	26.7	40.1#
84	164.5	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 47.173 ug/l

RT: 8.143 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VY010559.D

Acq: 19 Sep 2022 18:24

Instrument :

MSVOA_Y

ClientSampleId :

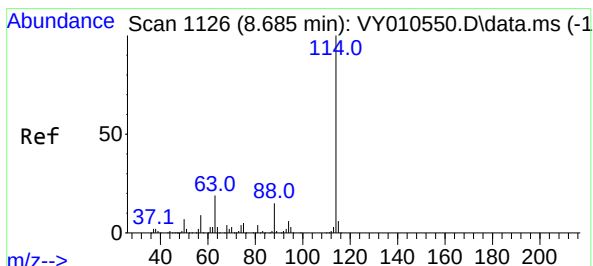
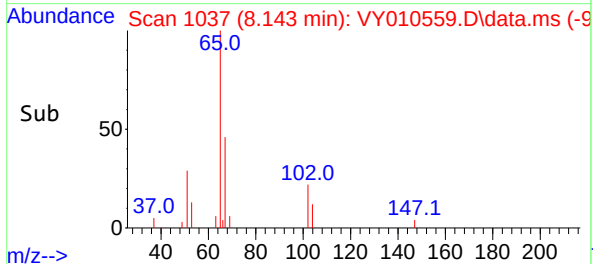
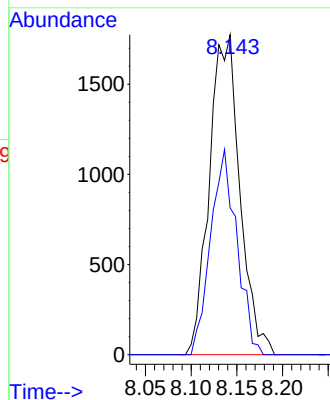
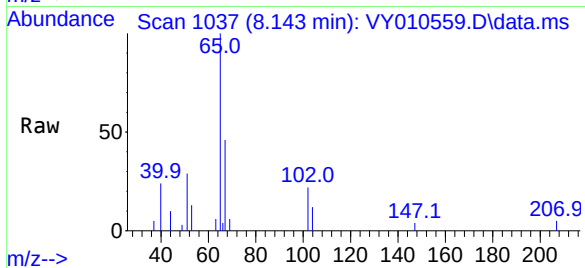
SU-3-091522

Tgt Ion: 65 Resp: 4119

Ion Ratio Lower Upper

65 100

67 55.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010559.D

Acq: 19 Sep 2022 18:24

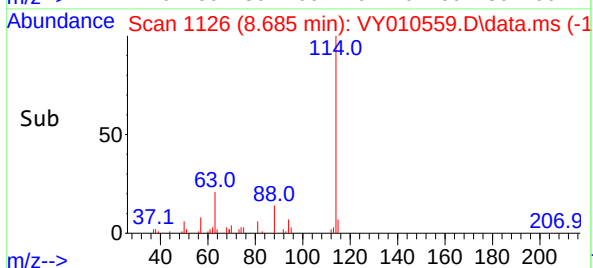
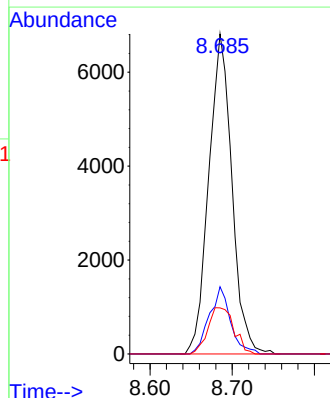
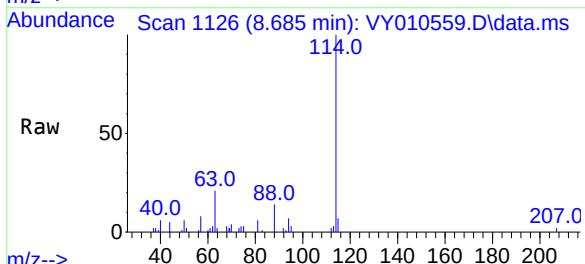
Tgt Ion:114 Resp: 13312

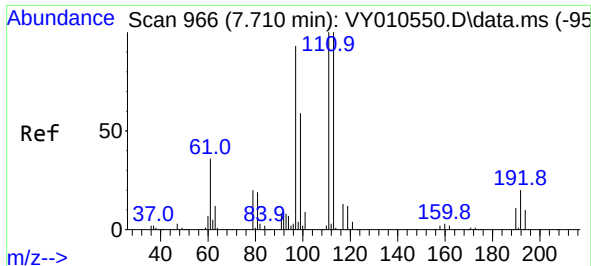
Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

88 14.4 0.0 31.8

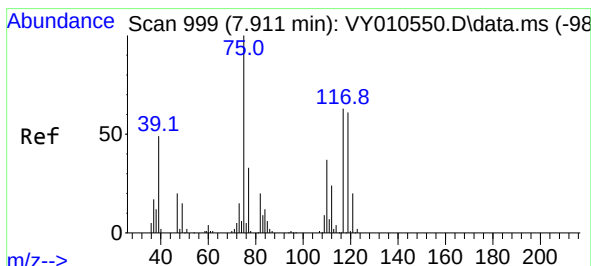
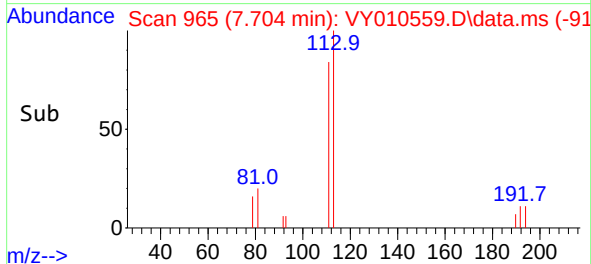
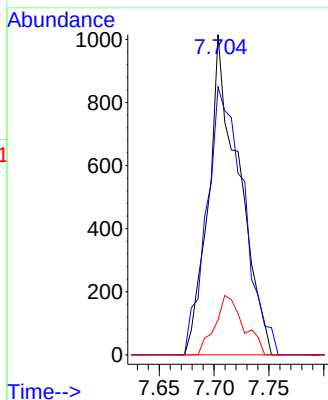
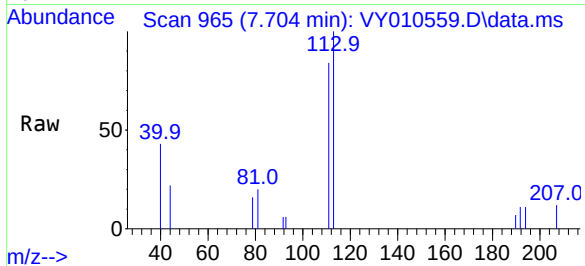




#35
Dibromofluoromethane
Concen: 23.082 ug/l
RT: 7.704 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

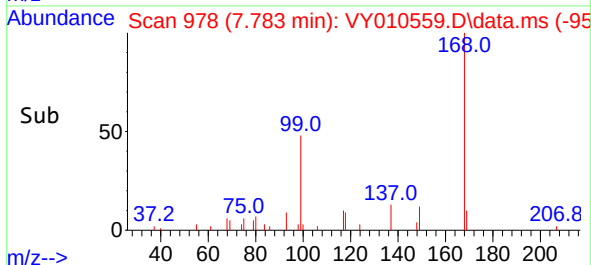
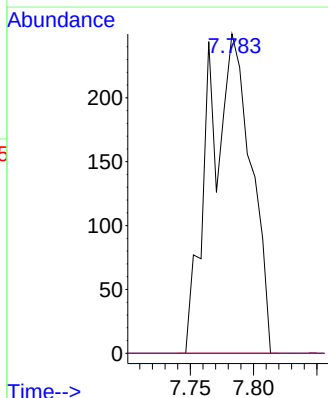
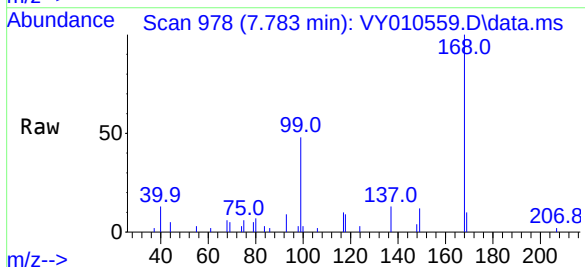
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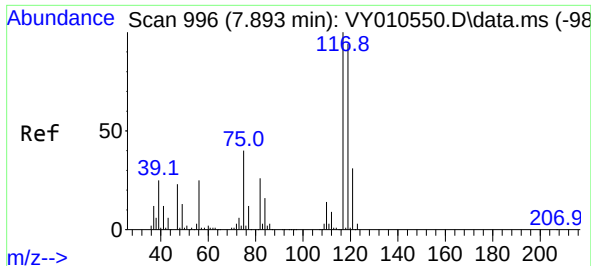
Tgt Ion:	113	Resp:	1961
Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.6	124.0
192	17.3	17.6	26.4#



#36
1,1-Dichloropropene
Concen: 6.064 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

Tgt Ion:	75	Resp:	574
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.1	51.2#
77	0.0	24.4	36.6#

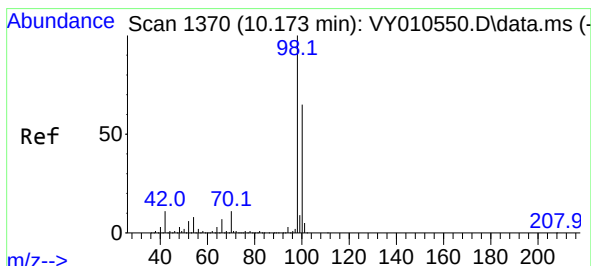
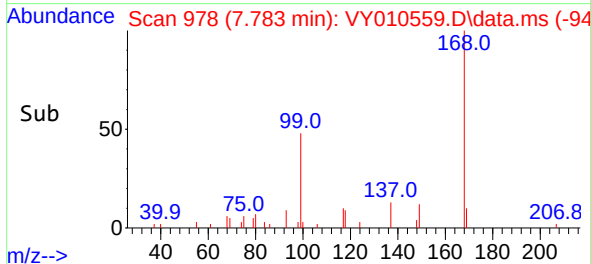
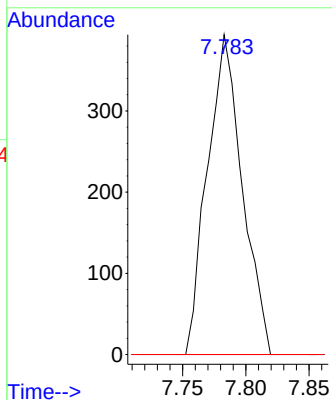
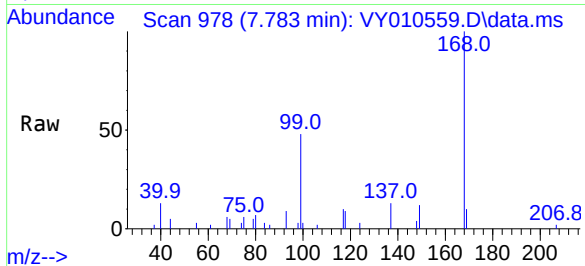




#38
Carbon Tetrachloride
Concen: 6.946 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

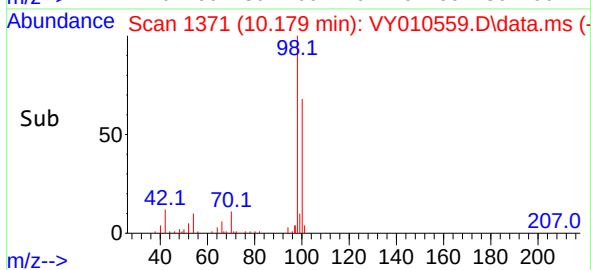
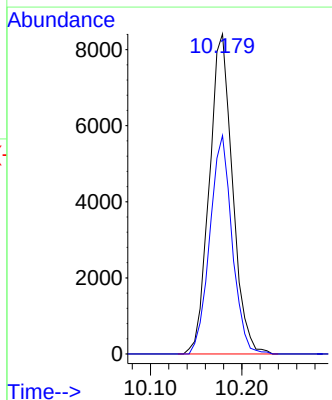
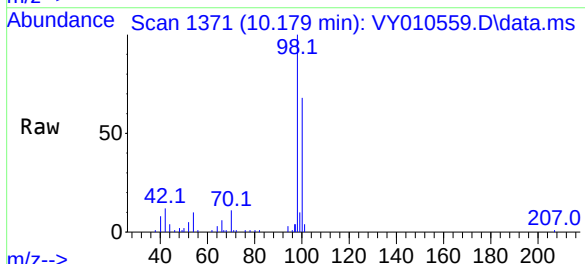
Instrument :
MSVOA_Y
ClientSampleId :
SU-3-091522

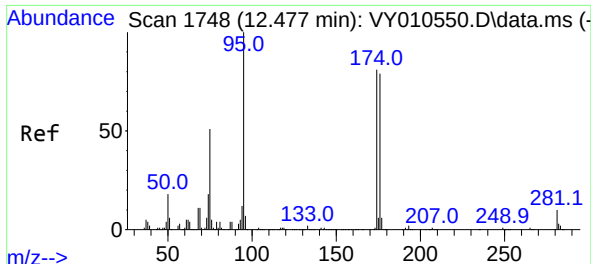
Tgt Ion:117 Resp: 756
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.360 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

Tgt Ion: 98 Resp: 14815
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2

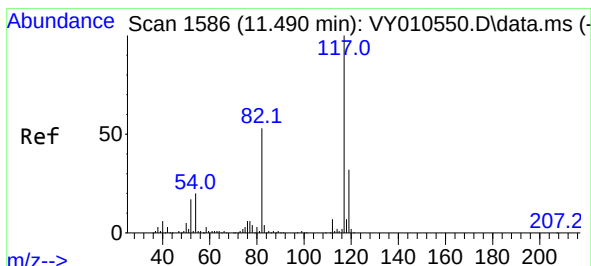
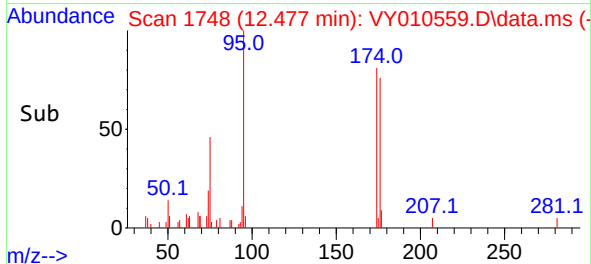
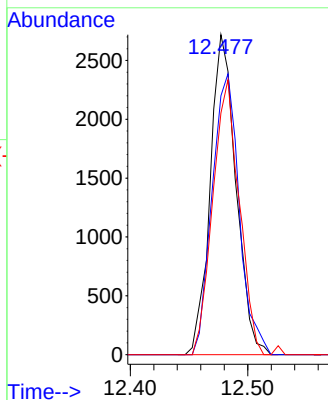
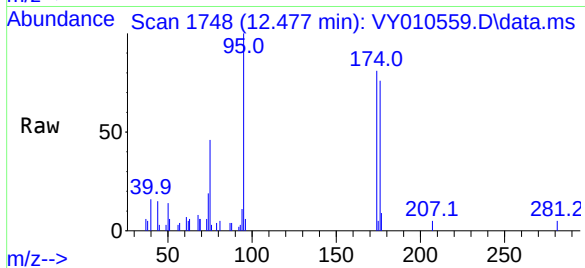




#62
4-Bromofluorobenzene
Concen: 34.801 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

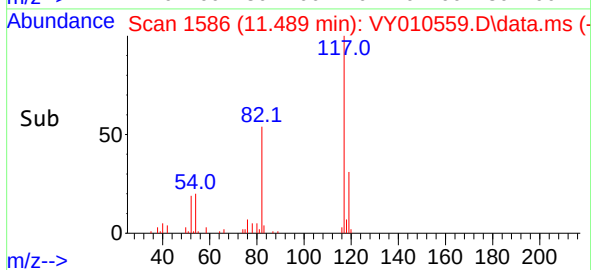
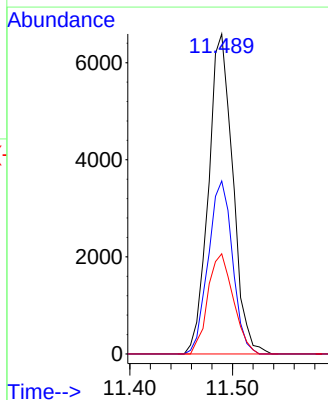
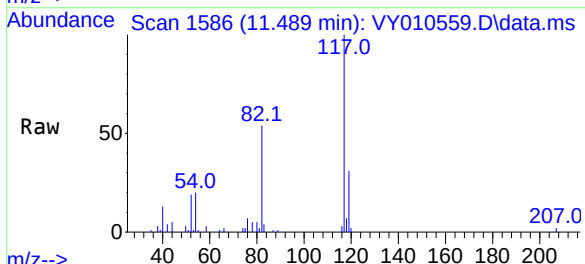
Instrument :
MSVOA_Y
ClientSampleId :
SU-3-091522

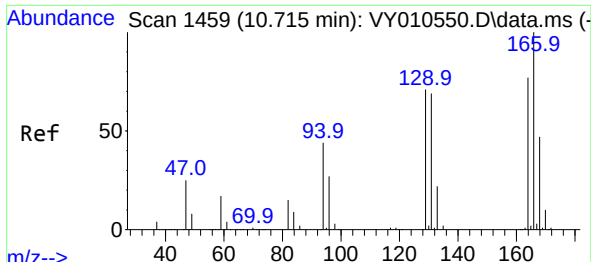
Tgt Ion:	95	Resp:	4151
Ion	Ratio	Lower	Upper
95	100		
174	92.4	0.0	177.0
176	87.9	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

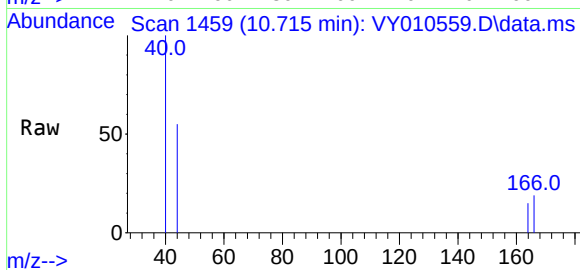
Tgt Ion:	117	Resp:	10852
Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.0	64.4
119	31.3	25.4	38.0





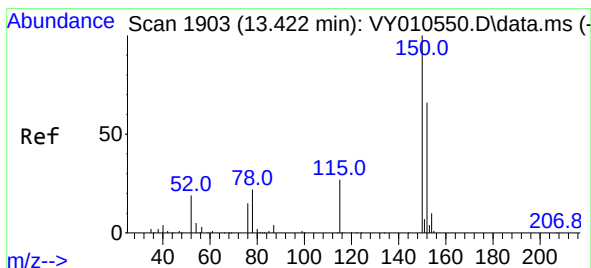
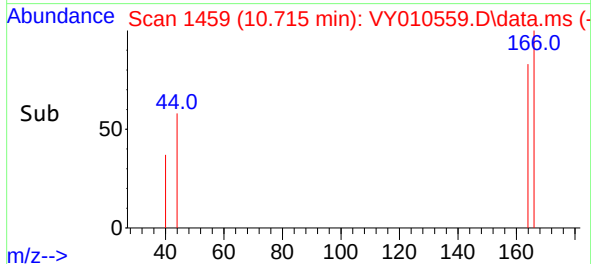
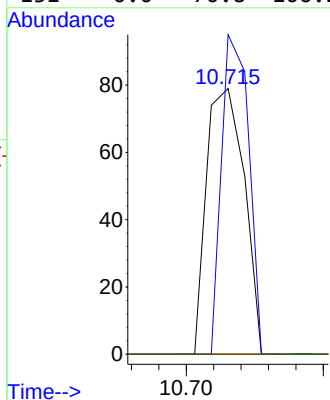
#64
Tetrachloroethene
Concen: 1.035 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

Instrument :
MSVOA_Y
ClientSampleId :
SU-3-091522



Tgt Ion:164 Resp: 75

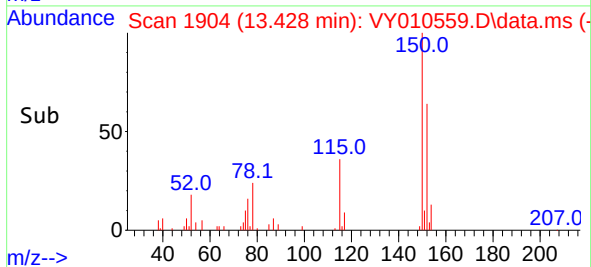
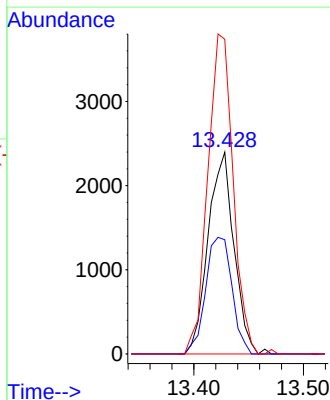
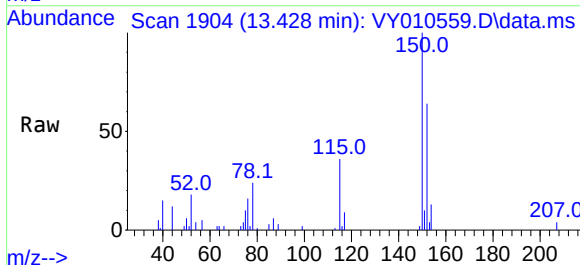
Ion	Ratio	Lower	Upper
164	100		
166	120.3	100.4	150.6
129	0.0	71.4	107.0#
131	0.0	70.8	106.2#

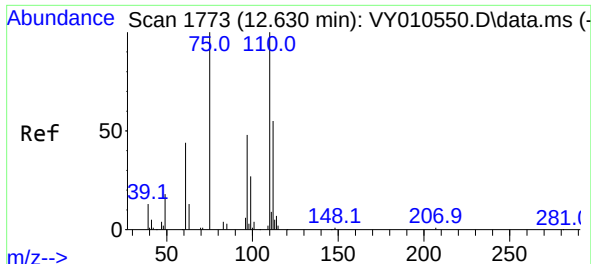


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

Tgt Ion:152 Resp: 3939

Ion	Ratio	Lower	Upper
152	100		
115	58.8	28.2	84.7
150	154.9	0.0	347.6

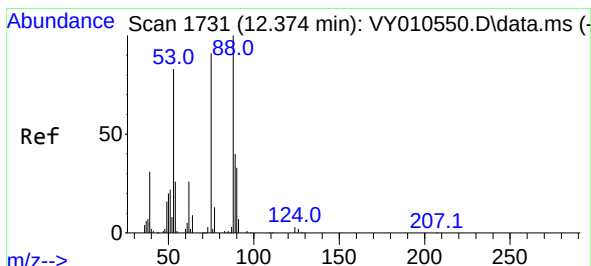
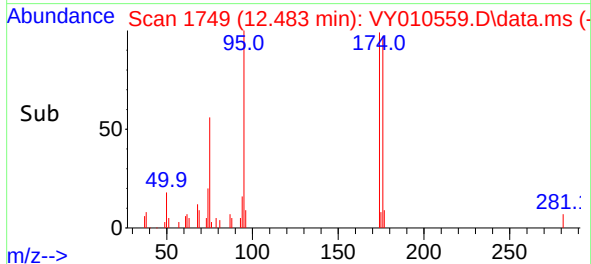
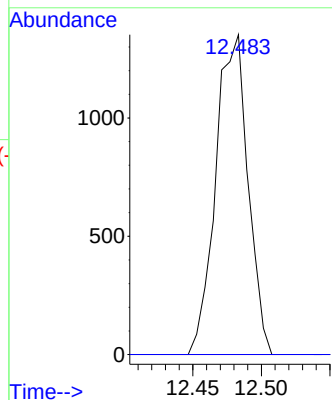
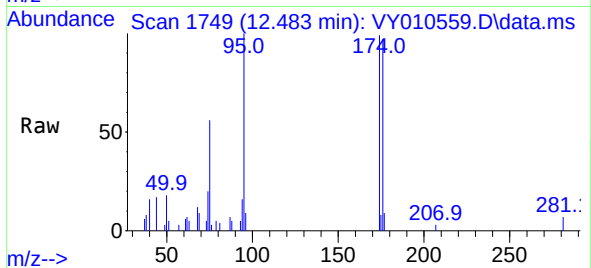




#76
1,2,3-Trichloropropane
Concen: 58.837 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

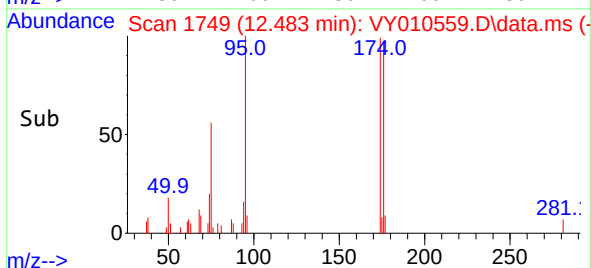
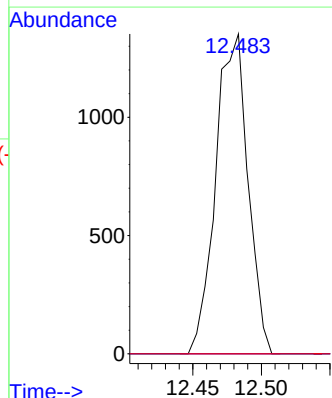
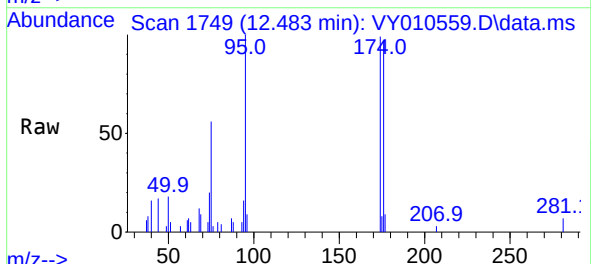
Instrument :
MSVOA_Y
ClientSampleId :
SU-3-091522

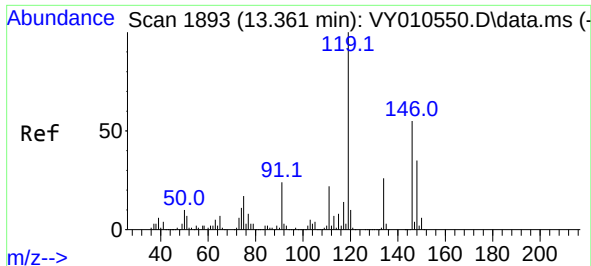
Tgt Ion: 75 Resp: 2212
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 130.821 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

Tgt Ion: 75 Resp: 2212
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#87

1,3-Dichlorobenzene

Concen: 1.055 ug/l

RT: 13.373 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY010559.D

Acq: 19 Sep 2022 18:24

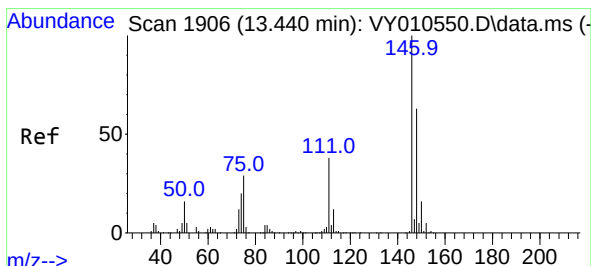
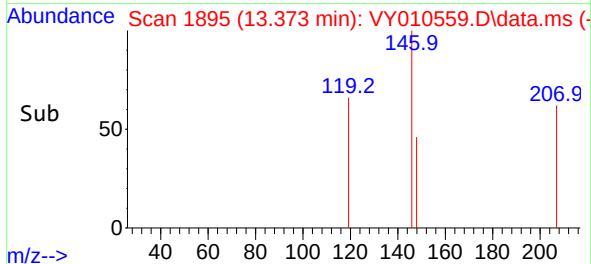
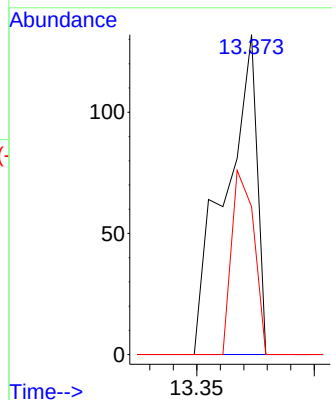
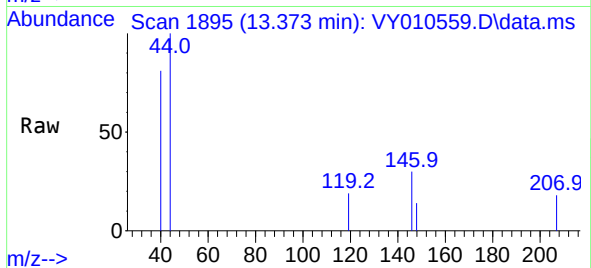
Instrument :

MSVOA_Y

ClientSampleId :

SU-3-091522

Tgt Ion:146	Resp:	124
Ion	Ratio	Lower Upper
146	100	
111	0.0	19.5 58.5#
148	40.3	31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 1.384 ug/l

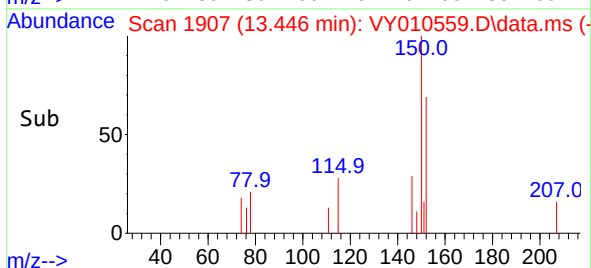
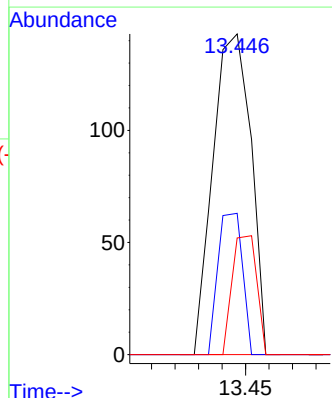
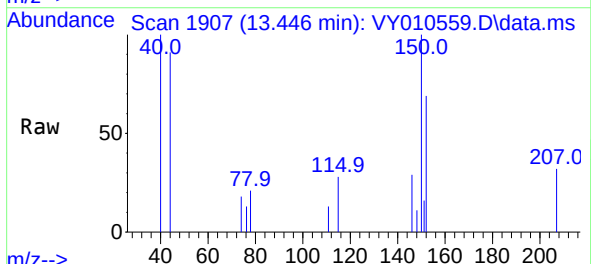
RT: 13.446 min Scan# 1907

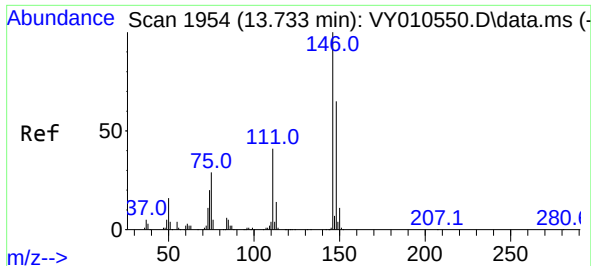
Delta R.T. 0.006 min

Lab File: VY010559.D

Acq: 19 Sep 2022 18:24

Tgt Ion:146	Resp:	161
Ion	Ratio	Lower Upper
146	100	
111	28.6	19.3 57.8
148	23.6	32.6 97.8#

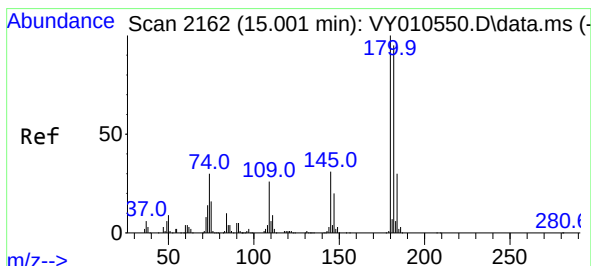
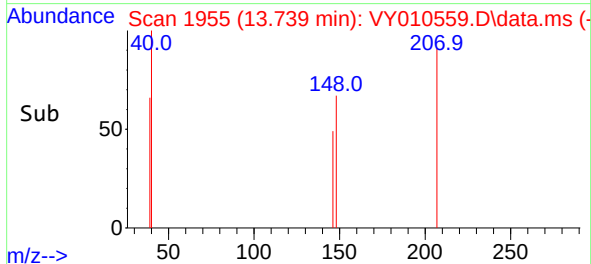
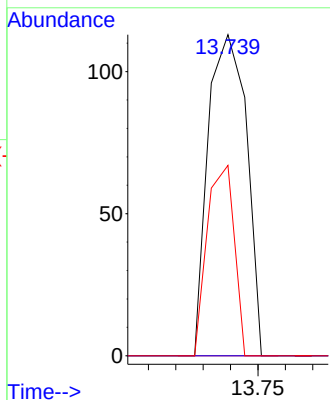
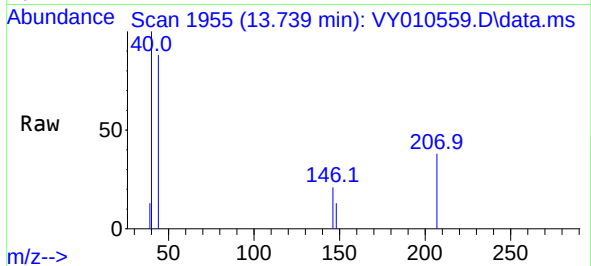




#91
1,2-Dichlorobenzene
Concen: 1.050 ug/l
RT: 13.739 min Scan# 1954
Delta R.T. 0.006 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

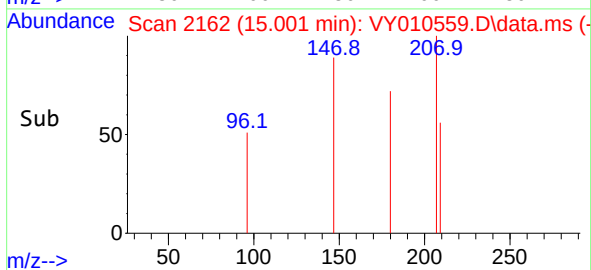
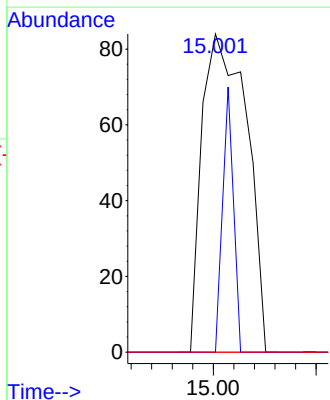
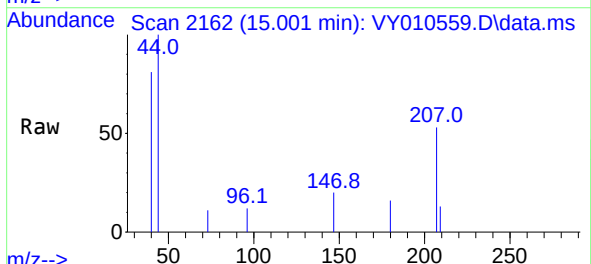
Instrument :
MSVOA_Y
ClientSampleId :
SU-3-091522

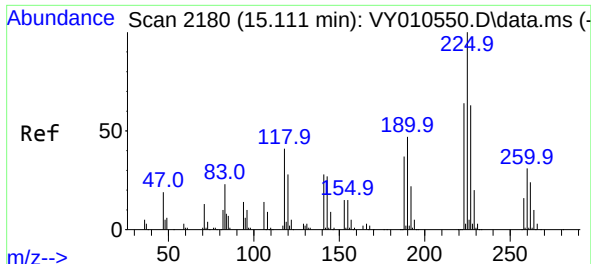
Tgt Ion:146 Resp: 110
Ion Ratio Lower Upper
146 100
111 0.0 20.3 60.9#
148 41.8 32.3 96.9



#93
1,2,4-Trichlorobenzene
Concen: 1.988 ug/l
RT: 15.001 min Scan# 2162
Delta R.T. 0.000 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

Tgt Ion:180 Resp: 127
Ion Ratio Lower Upper
180 100
182 20.5 47.3 141.9#
145 0.0 14.6 43.8#

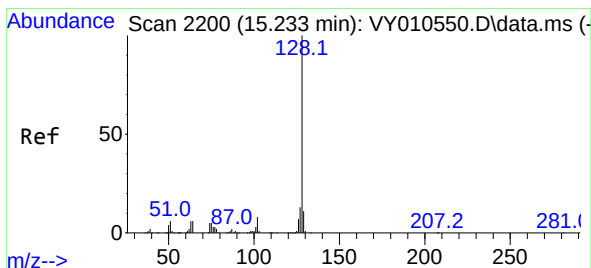
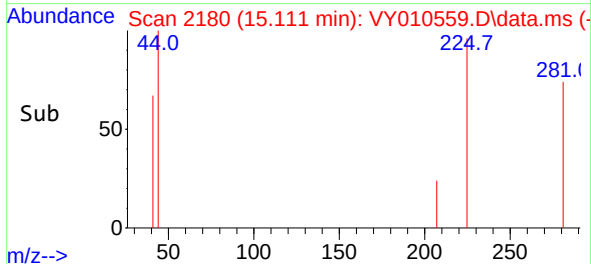
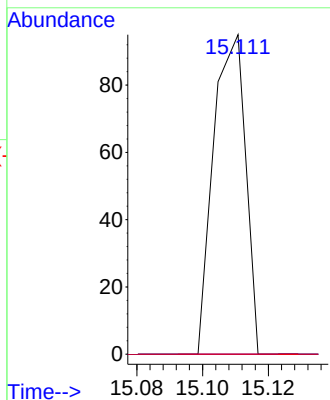
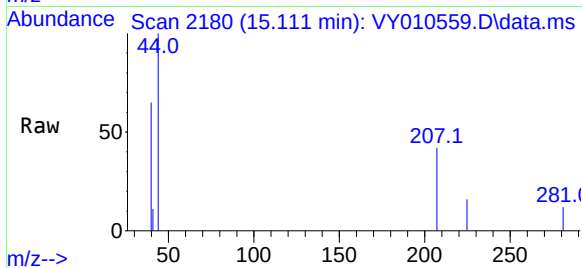




#94
Hexachlorobutadiene
Concen: 1.648 ug/l
RT: 15.111 min Scan# 2180
Delta R.T. -0.000 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

Instrument :
MSVOA_Y
ClientSampleId :
SU-3-091522

Tgt Ion:	225	Resp:	64
Ion	Ratio	Lower	Upper
225	100		
223	0.0	30.8	92.3#
227	0.0	31.6	94.7#



#95
Naphthalene
Concen: 2.004 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY010559.D
Acq: 19 Sep 2022 18:24

Tgt Ion:	128	Resp:	258
Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	0.0	8.4	12.6#

