

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091922\
 Data File : VY010564.D
 Acq On : 19 Sep 2022 20:21
 Operator : KP/MD
 Sample : N4641-06
 Misc : 6.78g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A2-6-18

Quant Time: Sep 20 01:06:16 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	175892	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	303012	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	271578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	102649	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	107460	63.874	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.740%	
35) Dibromofluoromethane	7.710	113	95736	49.506	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.020%	
50) Toluene-d8	10.179	98	354250	49.593	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.180%	
62) 4-Bromofluorobenzene	12.477	95	107572	40.017	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.040%	

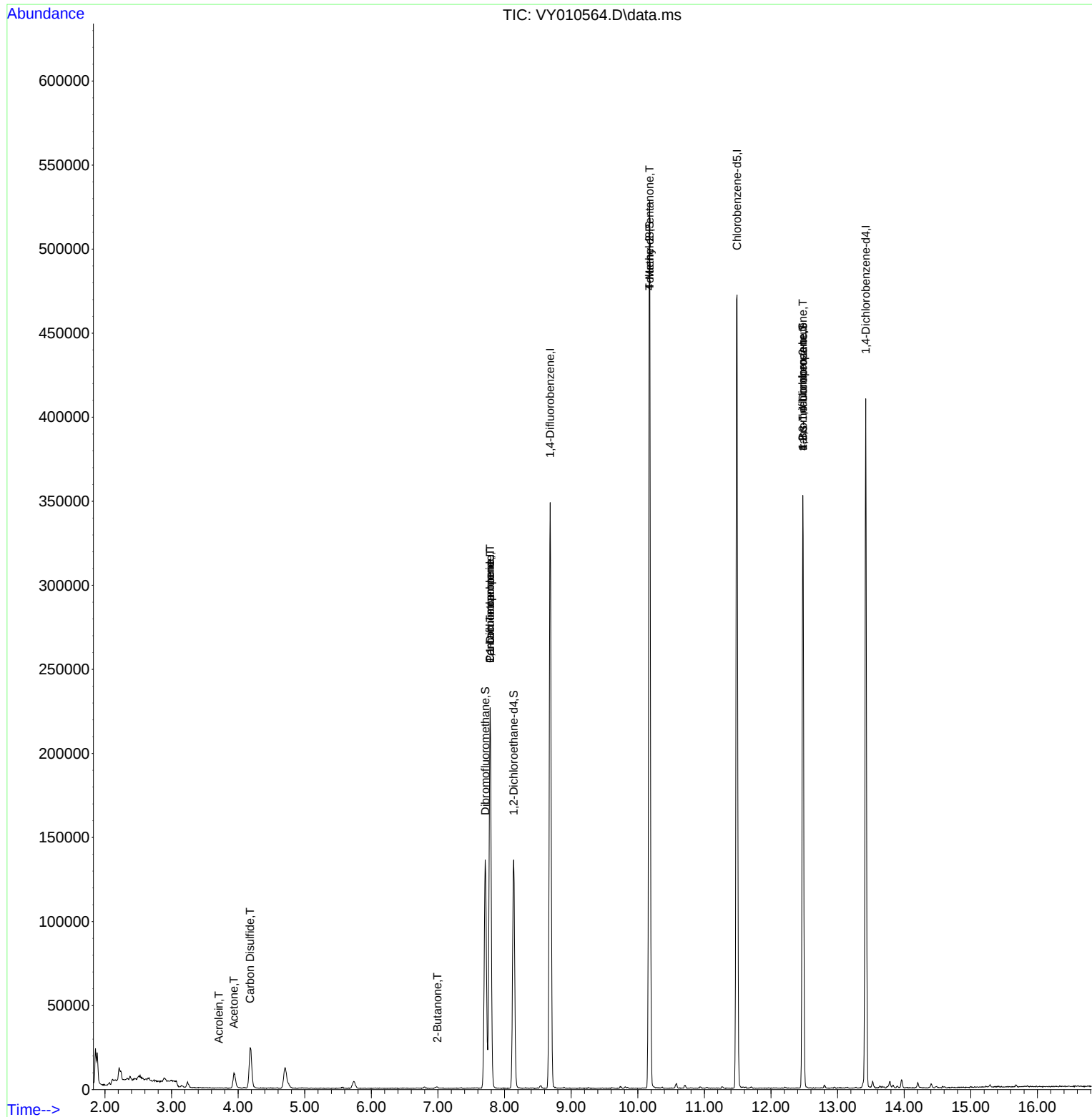
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.894	85	55	Below Cal	#	43
3) Chloromethane	2.107	50	763	Below Cal	#	63
4) Vinyl Chloride	2.290	62	48	Below Cal	#	43
5) Bromomethane	2.644	94	406	Below Cal	#	61
11) Tert butyl alcohol	4.930	59	154	Below Cal	#	77
13) Acrolein	3.711	56	105	1.342	ug/l #	14
16) Acetone	3.936	43	16064	46.823	ug/l #	88
17) Carbon Disulfide	4.180	76	50456	17.812	ug/l	99
18) Methyl Acetate	4.466	43	197	Below Cal	#	56
20) Methylene Chloride	4.704	84	9741	Below Cal	#	79
25) 2-Butanone	6.990	43	1415	2.637	ug/l	98
31) Cyclohexane	7.783	56	3635	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	13325	6.184	ug/l #	51
38) Carbon Tetrachloride	7.783	117	17487	7.058	ug/l #	16
51) 4-Methyl-2-Pentanone	10.179	43	1824	1.416	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	54776	55.910	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	54776	124.312	ug/l #	7

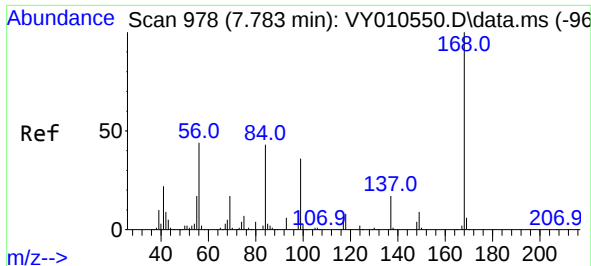
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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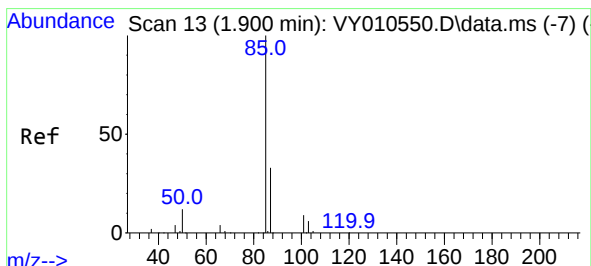
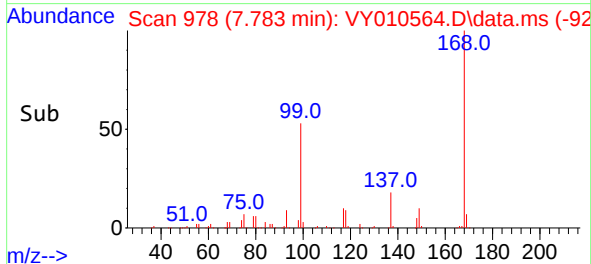
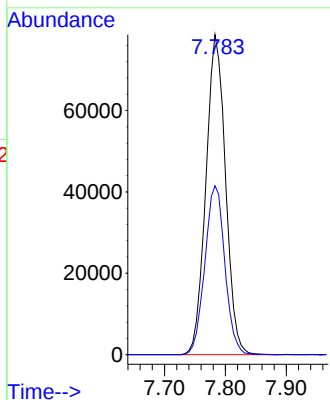
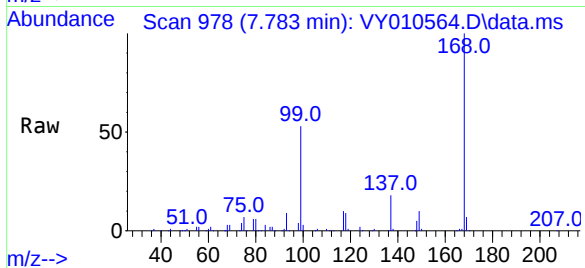




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010564.D
Acq: 19 Sep 2022 20:21

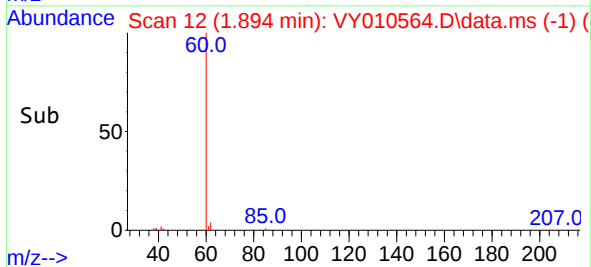
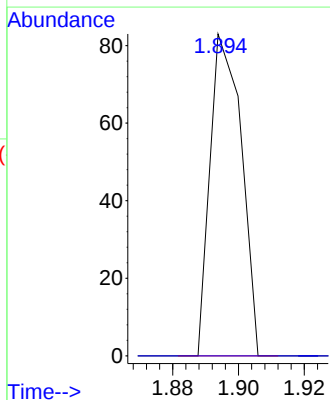
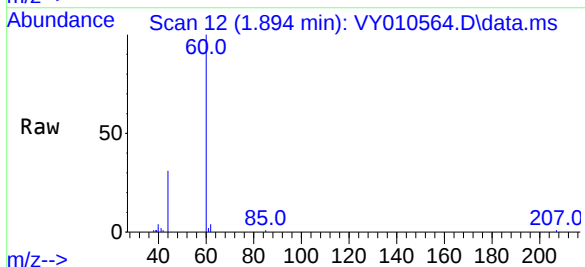
Instrument :
MSVOA_Y
ClientSampleId :
A2-6-18

Tgt Ion:168 Resp: 175892
Ion Ratio Lower Upper
168 100
99 52.8 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.894 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY010564.D
Acq: 19 Sep 2022 20:21

Tgt Ion: 85 Resp: 55
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

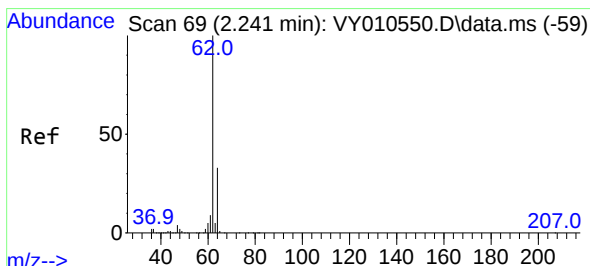
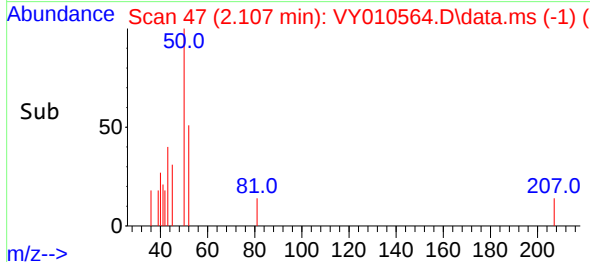
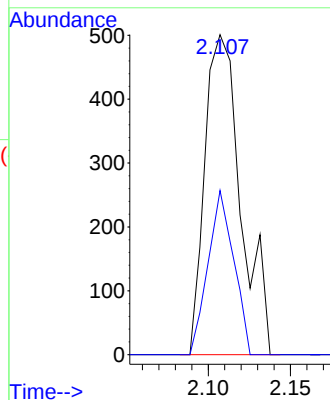
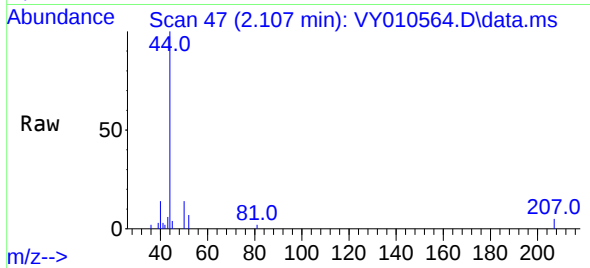




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010564.D
Acq: 19 Sep 2022 20:21

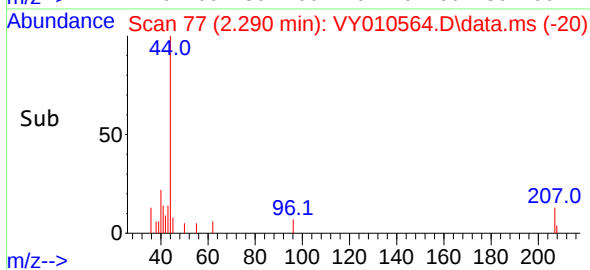
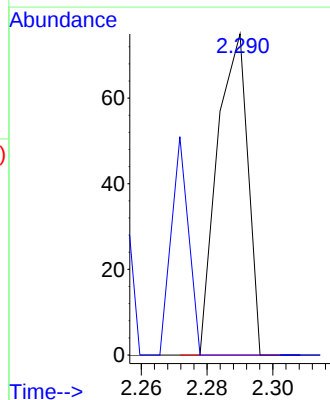
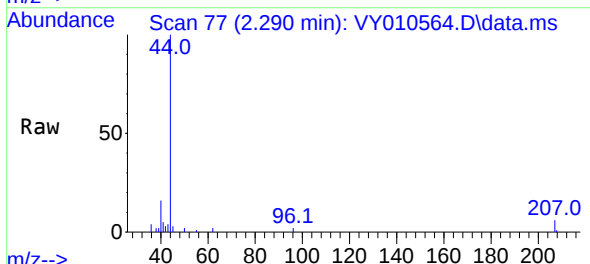
Instrument :
MSVOA_Y
ClientSampleId :
A2-6-18

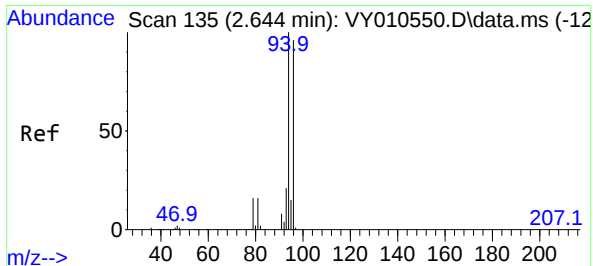
Tgt Ion: 50 Resp: 763
Ion Ratio Lower Upper
50 100
52 51.3 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.290 min Scan# 77
Delta R.T. 0.049 min
Lab File: VY010564.D
Acq: 19 Sep 2022 20:21

Tgt Ion: 62 Resp: 48
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

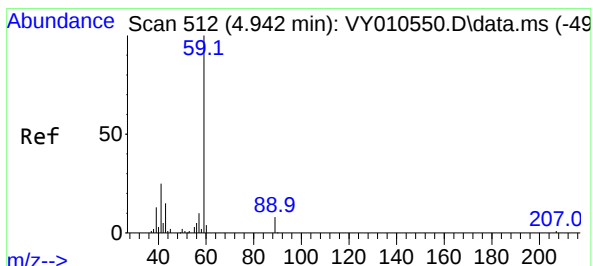
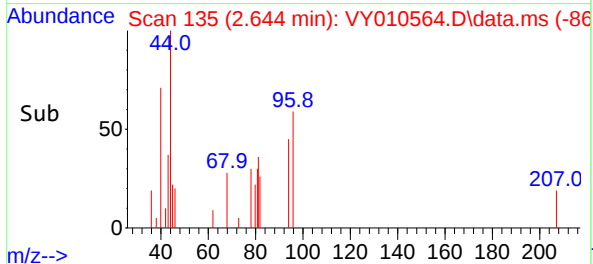
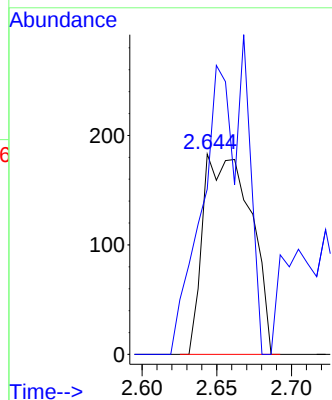
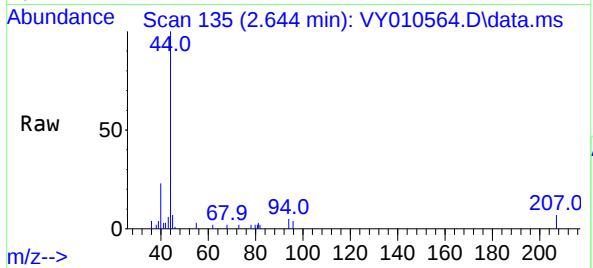




#5
Bromomethane
Concen: Below Cal
RT: 2.644 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010564.D
Acq: 19 Sep 2022 20:21

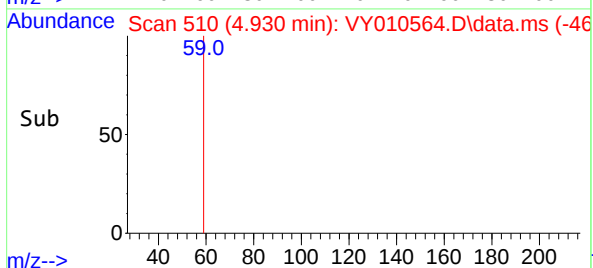
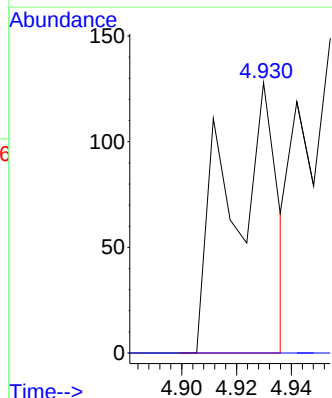
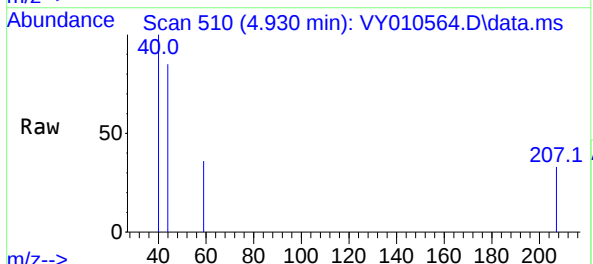
Instrument :
MSVOA_Y
ClientSampleId :
A2-6-18

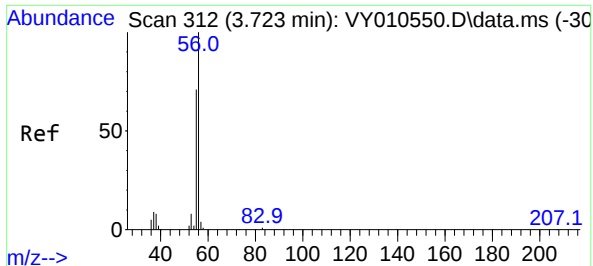
Tgt Ion: 94 Resp: 406
Ion Ratio Lower Upper
94 100
96 55.2 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.012 min
Lab File: VY010564.D
Acq: 19 Sep 2022 20:21

Tgt Ion: 59 Resp: 154
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

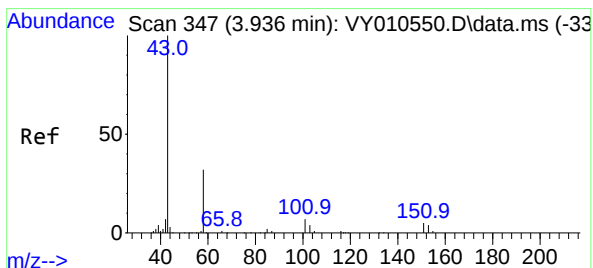
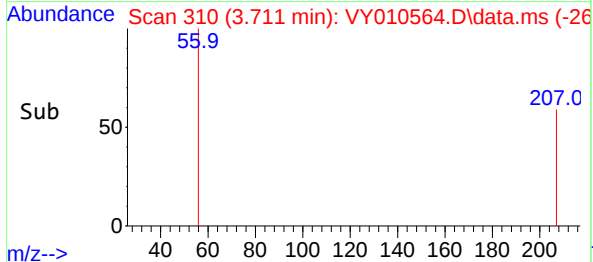
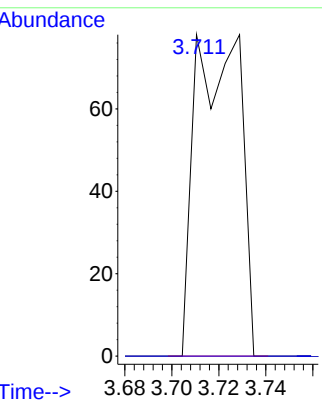
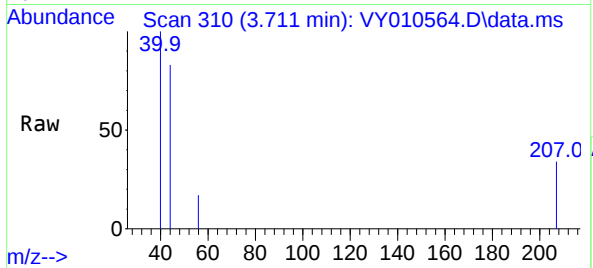




#13
Acrolein
Concen: 1.342 ug/l
RT: 3.711 min Scan# 312
Delta R.T. -0.012 min
Lab File: VY010564.D
Acq: 19 Sep 2022 20:21

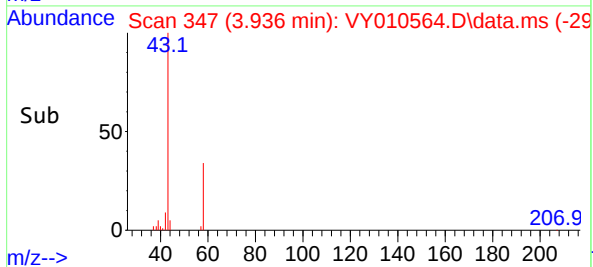
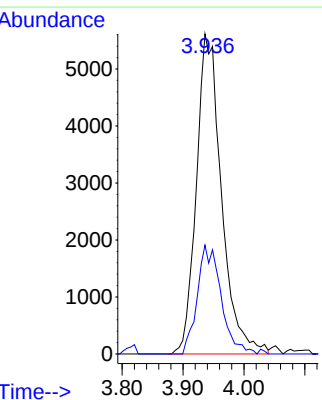
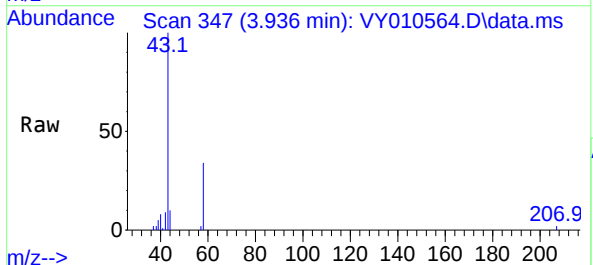
Instrument :
MSVOA_Y
ClientSampleId :
A2-6-18

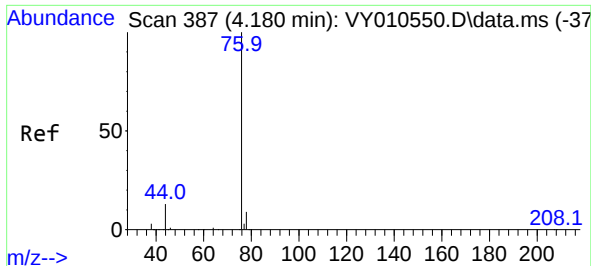
Tgt Ion: 56 Resp: 105
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#16
Acetone
Concen: 46.823 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.000 min
Lab File: VY010564.D
Acq: 19 Sep 2022 20:21

Tgt Ion: 43 Resp: 16064
Ion Ratio Lower Upper
43 100
58 34.0 22.0 33.0#

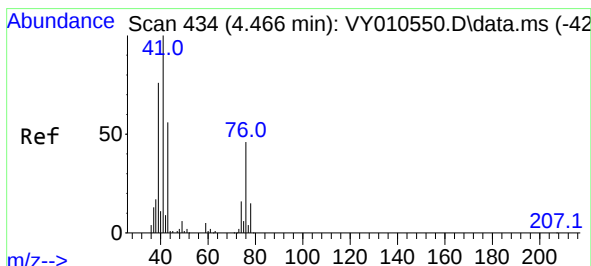
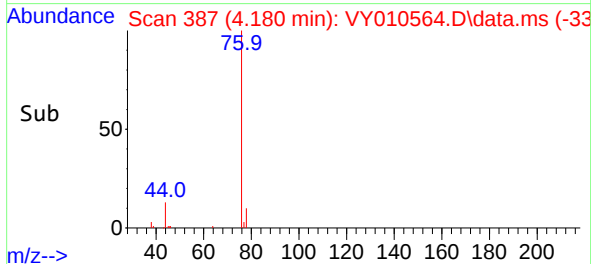
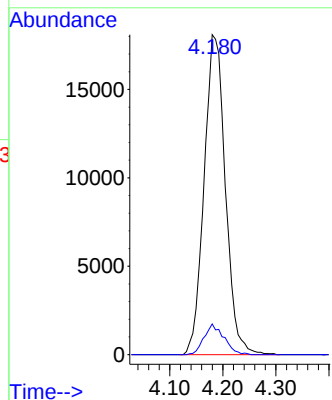
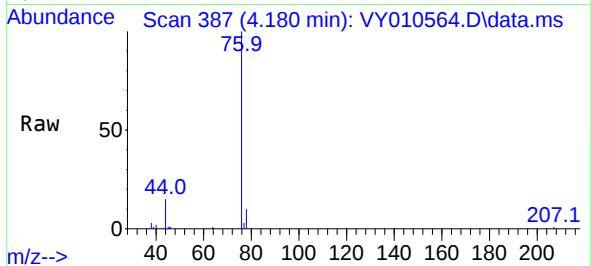




#17
Carbon Disulfide
Concen: 17.812 ug/l
RT: 4.180 min Scan# 387
Delta R.T. -0.000 min
Lab File: VY010564.D
Acq: 19 Sep 2022 20:21

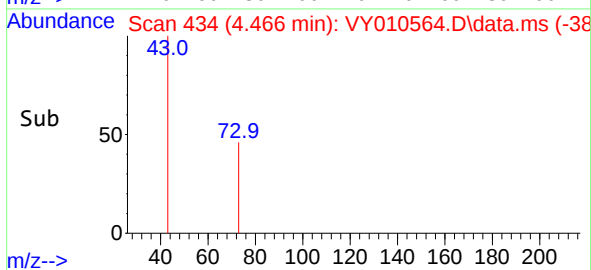
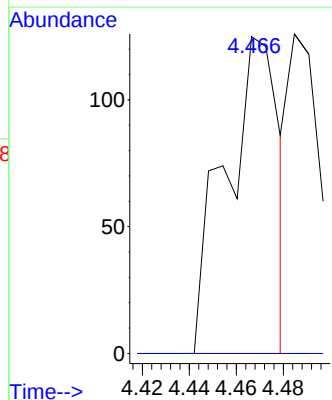
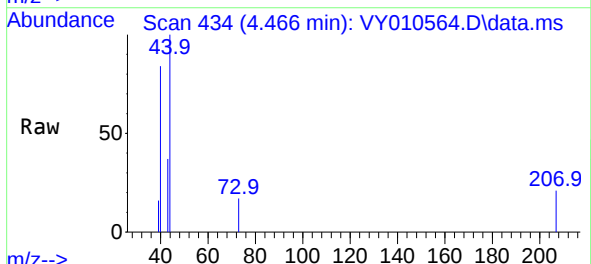
Instrument :
MSVOA_Y
ClientSampleId :
A2-6-18

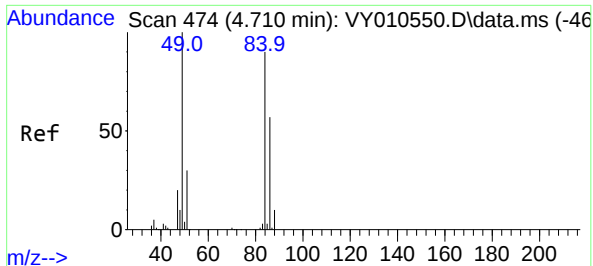
Tgt Ion: 76 Resp: 50456
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 434
Delta R.T. 0.000 min
Lab File: VY010564.D
Acq: 19 Sep 2022 20:21

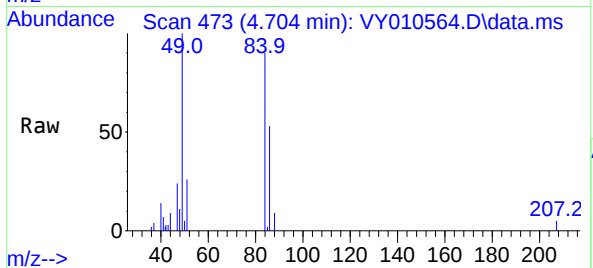
Tgt Ion: 43 Resp: 197
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



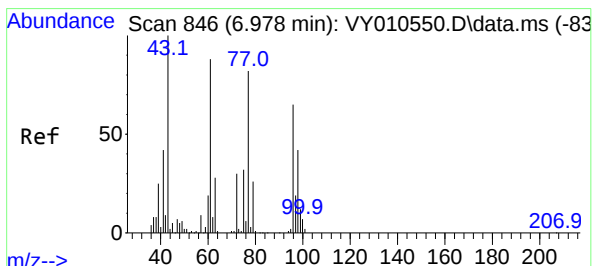
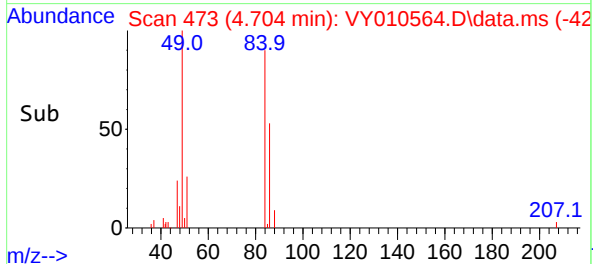
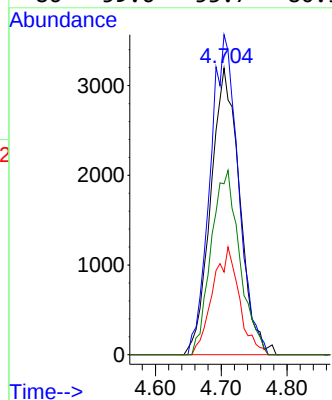


#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010564.D
Acq: 19 Sep 2022 20:21

Instrument :
MSVOA_Y
ClientSampleId :
A2-6-18

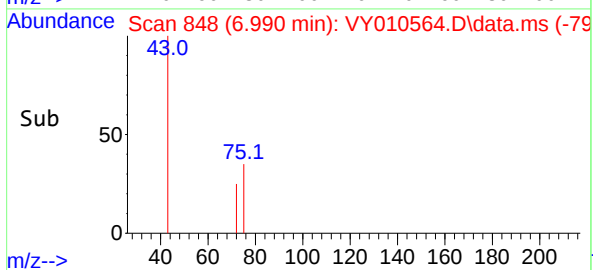
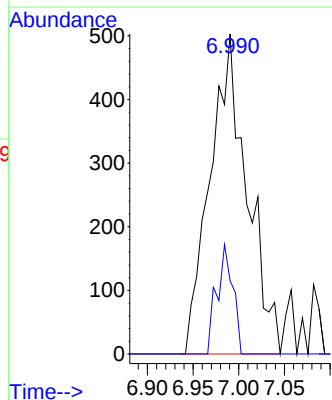
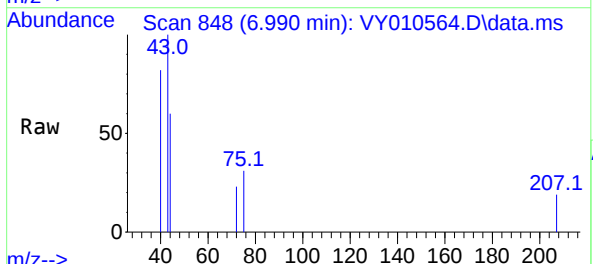


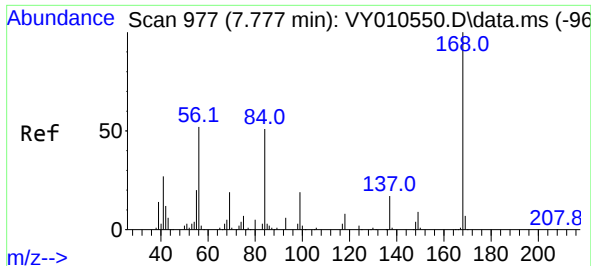
Tgt Ion: 84 Resp: 9741
Ion Ratio Lower Upper
84 100
49 111.6 114.4 171.6#
51 28.8 35.3 52.9#
86 59.6 53.7 80.5



#25
2-Butanone
Concen: 2.637 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY010564.D
Acq: 19 Sep 2022 20:21

Tgt Ion: 43 Resp: 1415
Ion Ratio Lower Upper
43 100
72 22.9 17.7 26.5

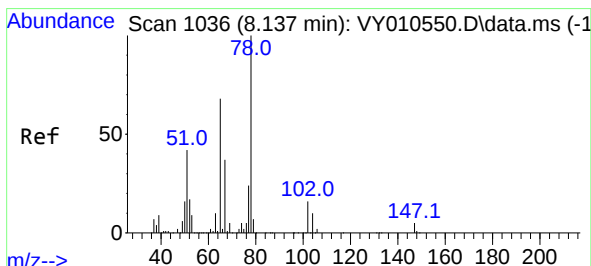
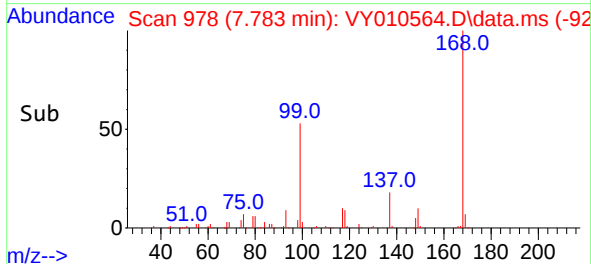
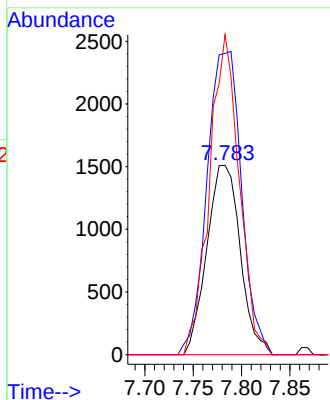
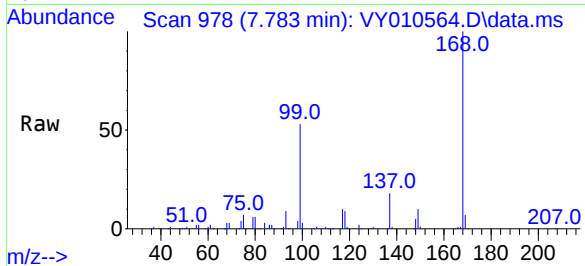




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010564.D
Acq: 19 Sep 2022 20:21

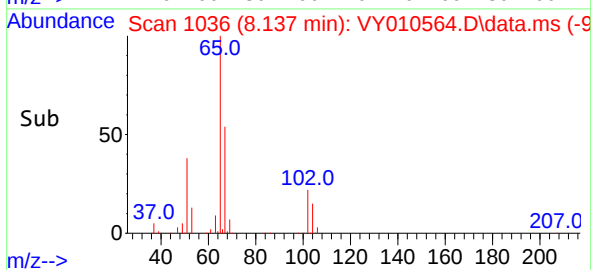
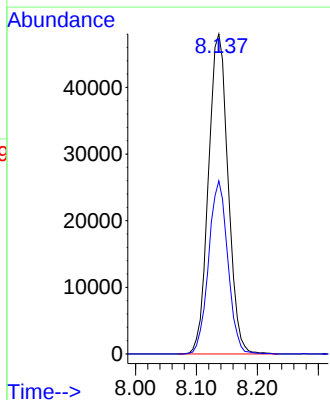
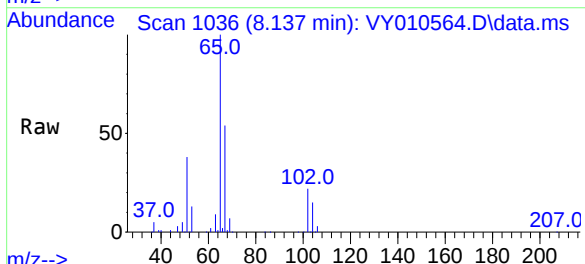
Instrument :
MSVOA_Y
ClientSampleId :
A2-6-18

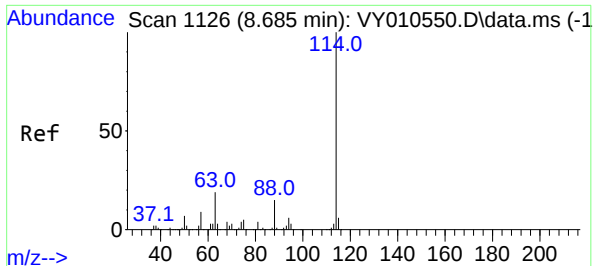
Tgt Ion: 56 Resp: 3635
Ion Ratio Lower Upper
56 100
69 159.1 26.7 40.1#
84 169.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 63.874 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY010564.D
Acq: 19 Sep 2022 20:21

Tgt Ion: 65 Resp: 107460
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# 1126

Delta R.T. 0.000 min

Lab File: VY010564.D

Acq: 19 Sep 2022 20:21

Instrument :

MSVOA_Y

ClientSampleId :

A2-6-18

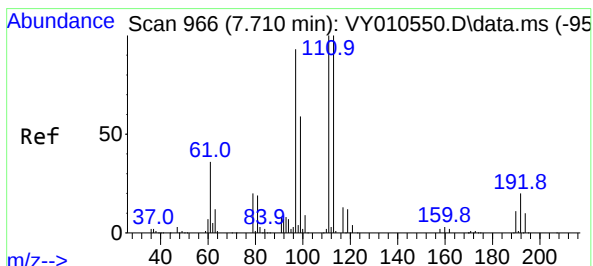
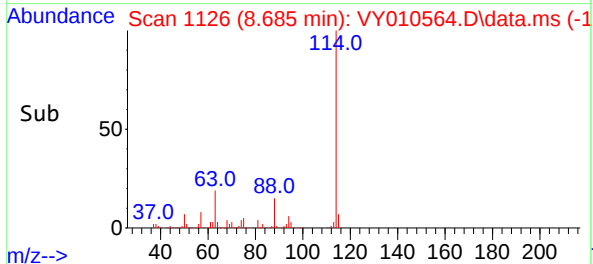
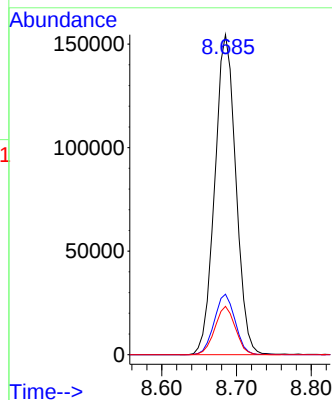
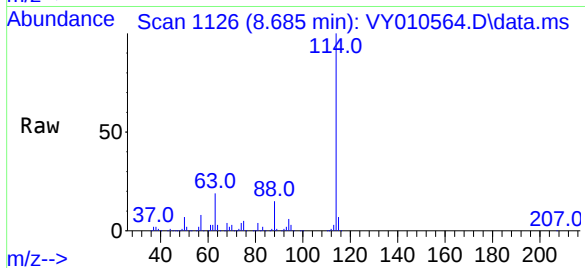
Tgt Ion:114 Resp: 303012

Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 49.506 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010564.D

Acq: 19 Sep 2022 20:21

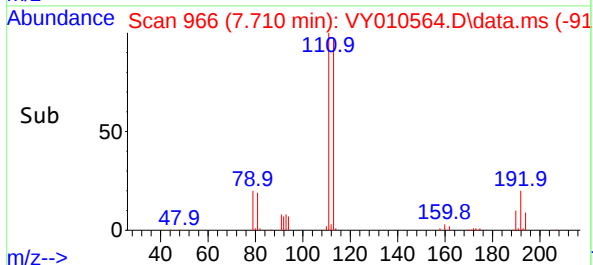
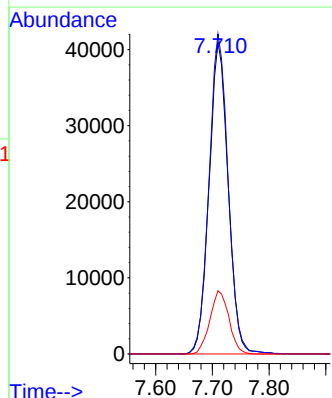
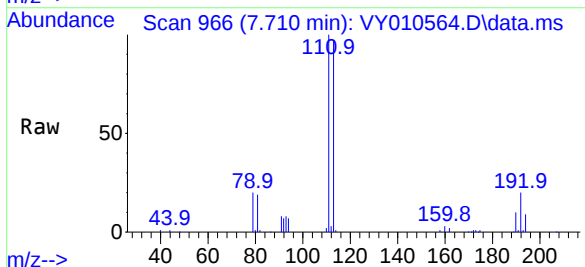
Tgt Ion:113 Resp: 95736

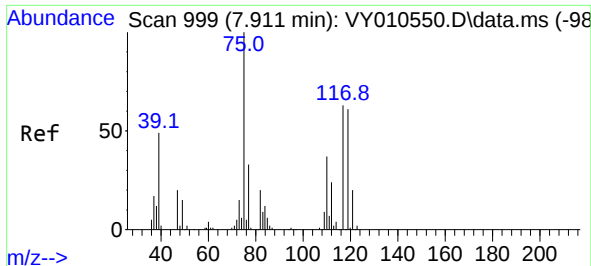
Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

192 20.2 17.6 26.4





#36

1,1-Dichloropropene

Concen: 6.184 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010564.D

Acq: 19 Sep 2022 20:21

Instrument :

MSVOA_Y

ClientSampleId :

A2-6-18

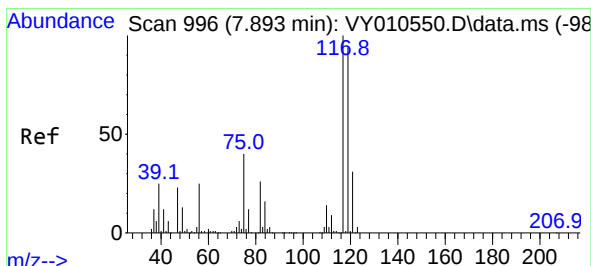
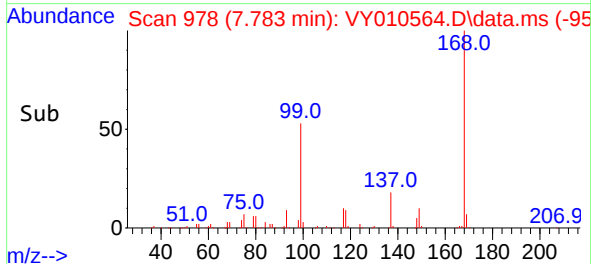
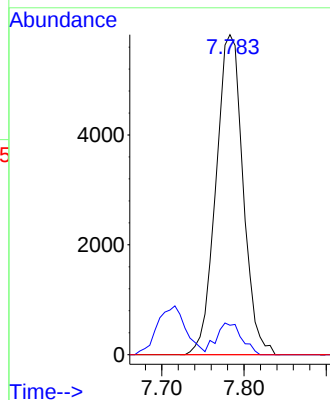
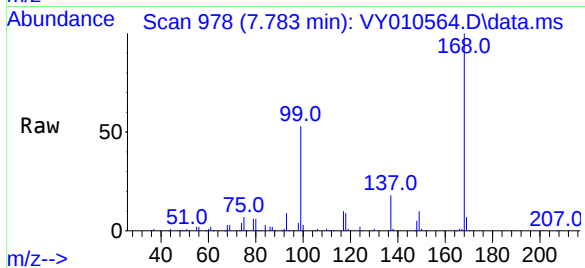
Tgt Ion: 75 Resp: 13325

Ion Ratio Lower Upper

75 100

110 9.3 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 7.058 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY010564.D

Acq: 19 Sep 2022 20:21

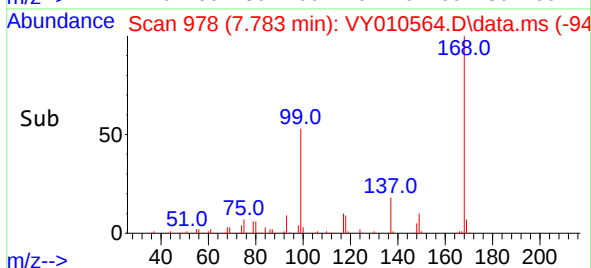
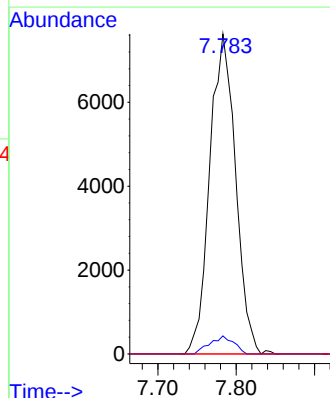
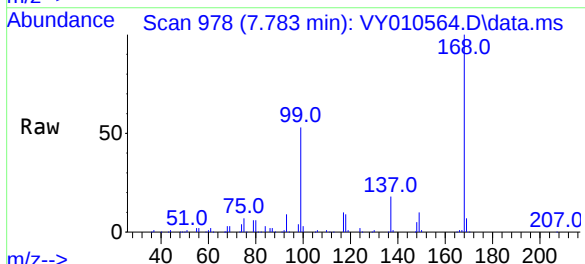
Tgt Ion: 117 Resp: 17487

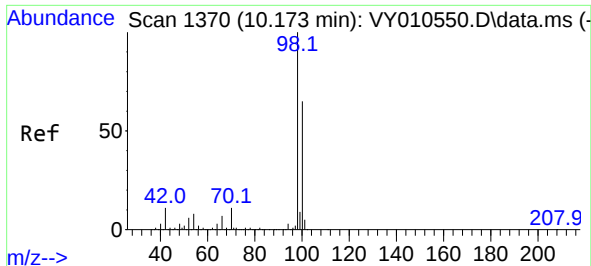
Ion Ratio Lower Upper

117 100

119 5.6 77.9 116.9#

121 0.0 24.8 37.2#

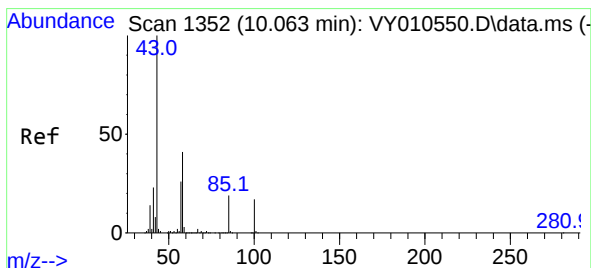
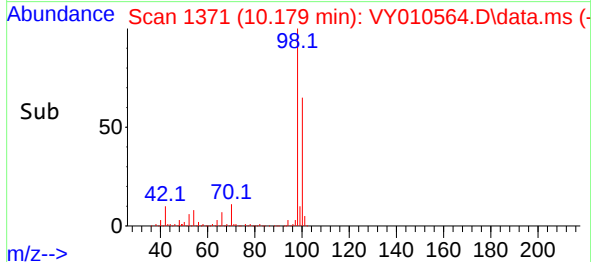
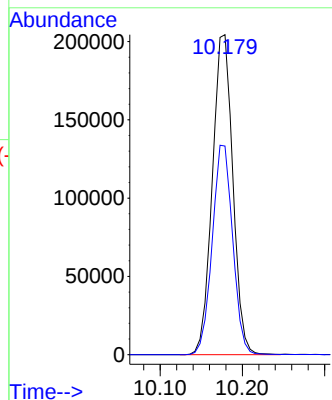
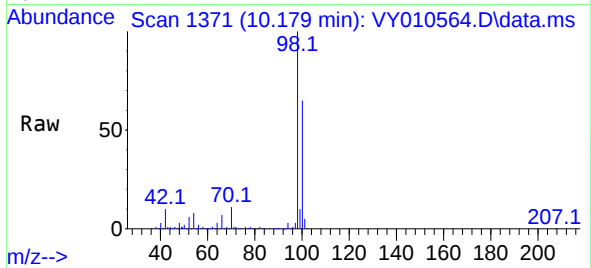




#50
Toluene-d8
Concen: 49.593 ug/l
RT: 10.179 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VY010564.D
Acq: 19 Sep 2022 20:21

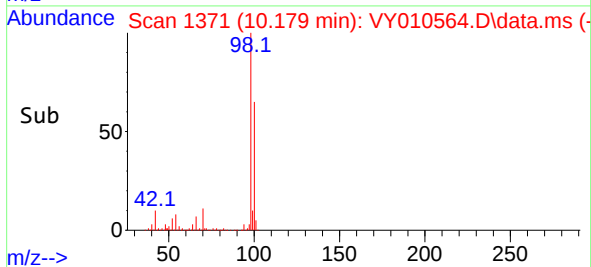
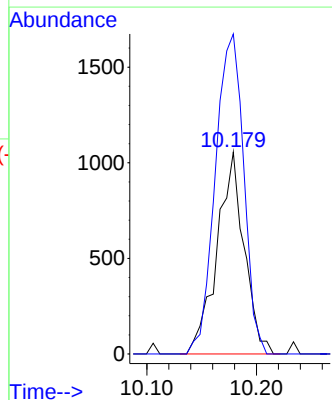
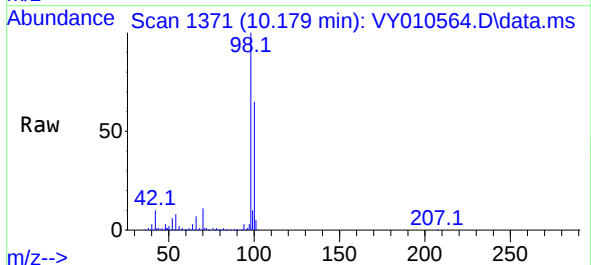
Instrument :
MSVOA_Y
ClientSampleId :
A2-6-18

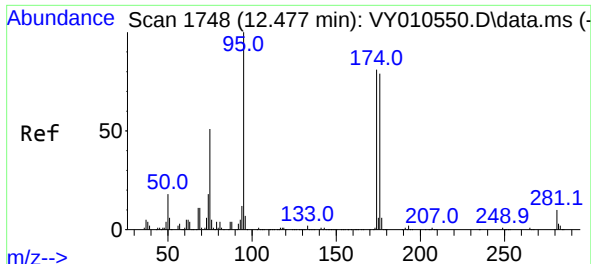
Tgt Ion: 98 Resp: 354250
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.416 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.116 min
Lab File: VY010564.D
Acq: 19 Sep 2022 20:21

Tgt Ion: 43 Resp: 1824
Ion Ratio Lower Upper
43 100
58 165.1 28.1 42.1#

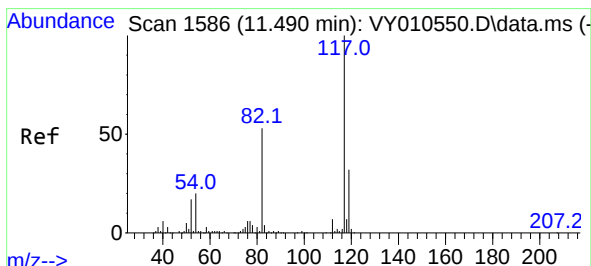
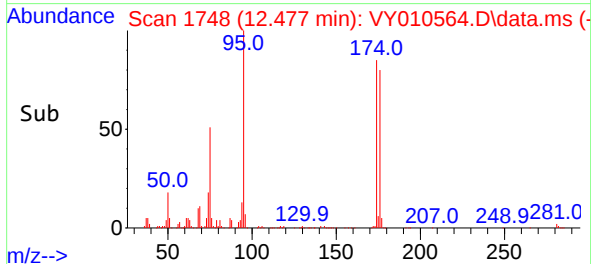
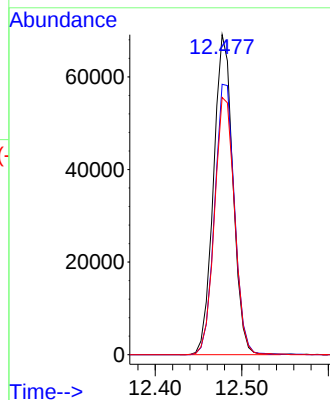
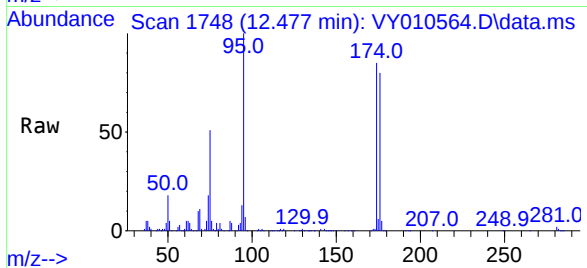




#62
4-Bromofluorobenzene
Concen: 40.017 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010564.D
Acq: 19 Sep 2022 20:21

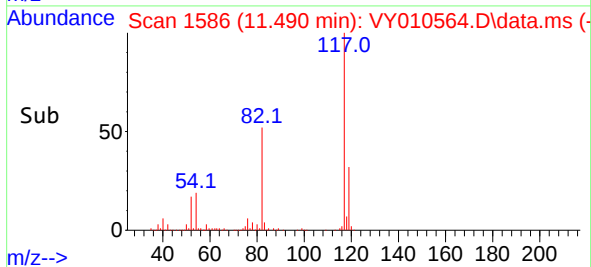
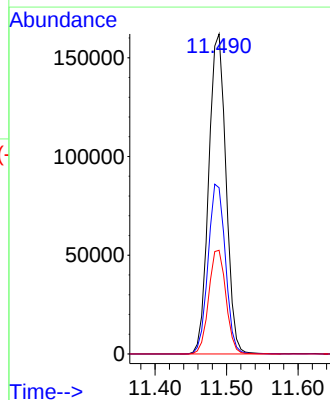
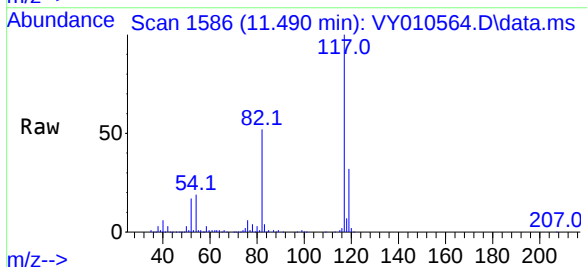
Instrument :
MSVOA_Y
ClientSampleId :
A2-6-18

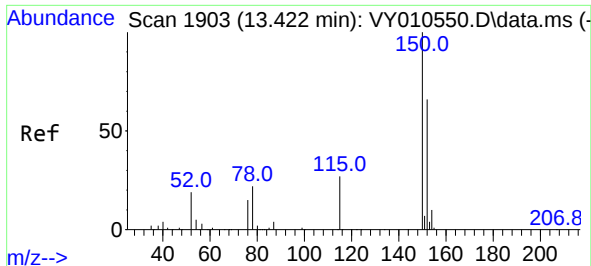
Tgt Ion: 95 Resp: 107572
Ion Ratio Lower Upper
95 100
174 86.6 0.0 177.0
176 83.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010564.D
Acq: 19 Sep 2022 20:21

Tgt Ion: 117 Resp: 271578
Ion Ratio Lower Upper
117 100
82 52.0 43.0 64.4
119 32.4 25.4 38.0

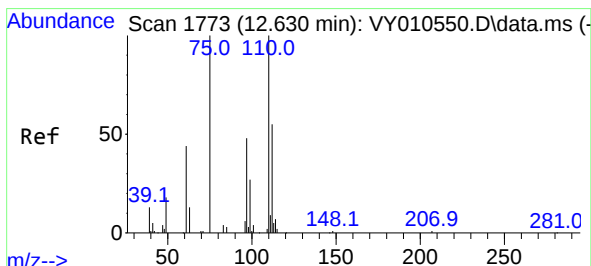
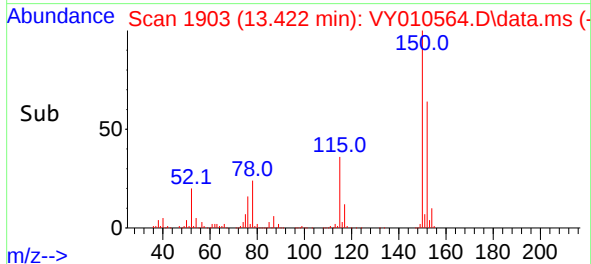
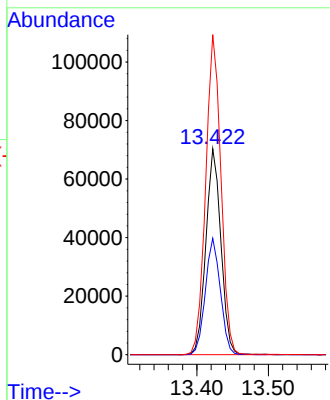
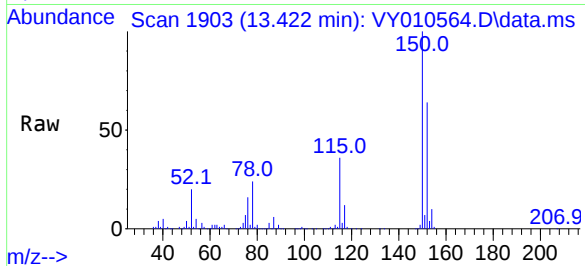




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010564.D
Acq: 19 Sep 2022 20:21

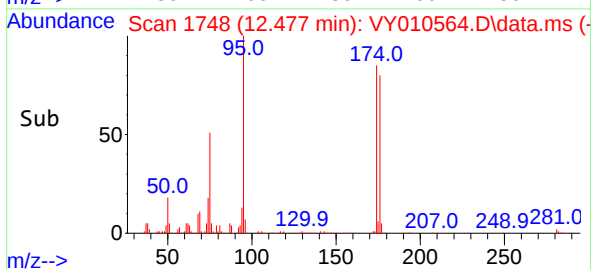
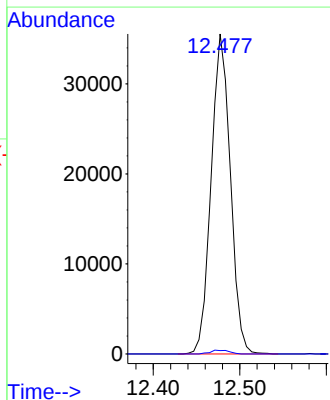
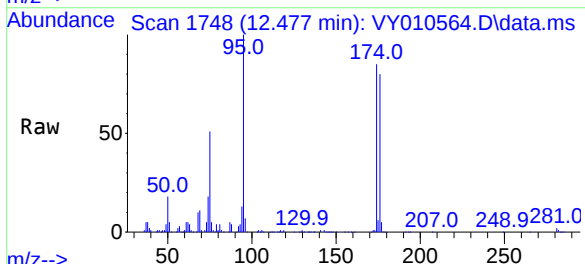
Instrument :
MSVOA_Y
ClientSampleId :
A2-6-18

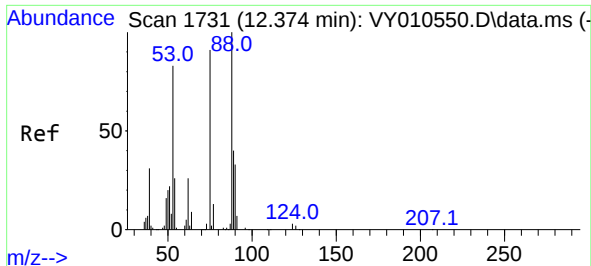
Tgt Ion:152 Resp: 102649
Ion Ratio Lower Upper
152 100
115 56.5 28.2 84.7
150 157.6 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 55.910 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010564.D
Acq: 19 Sep 2022 20:21

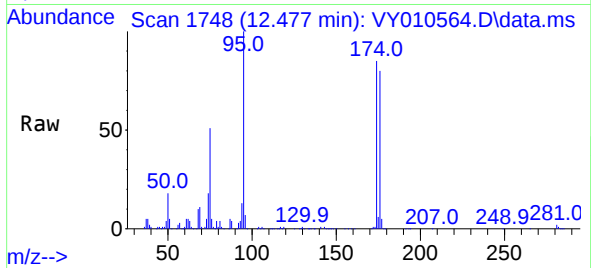
Tgt Ion: 75 Resp: 54776
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.312 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010564.D
 Acq: 19 Sep 2022 20:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 A2-6-18



Tgt Ion: 75 Resp: 54776
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

