

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092022\
 Data File : VY010584.D
 Acq On : 20 Sep 2022 18:44
 Operator : KP/MD
 Sample : N4697-11
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 21 01:22:07 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)

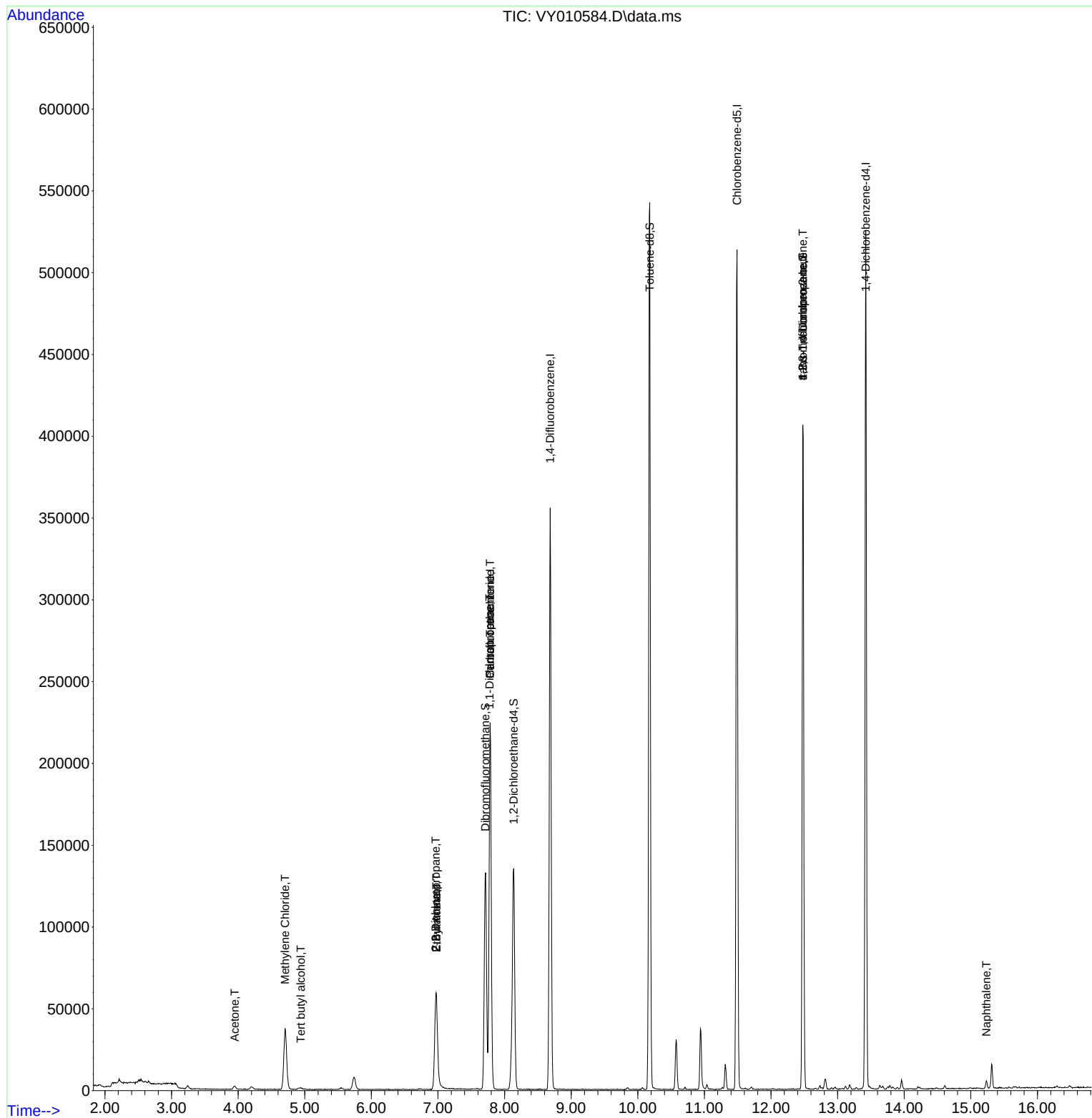
Internal Standards						
1) Pentafluorobenzene	7.783	168	173495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	304254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	286473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	130560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	98274	59.221	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.440%	
35) Dibromofluoromethane	7.710	113	95691	49.281	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.560%	
50) Toluene-d8	10.179	98	360553	50.227	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.460%	
62) 4-Bromofluorobenzene	12.477	95	121593	45.407	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.820%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	266	Below Cal	#	43
3) Chloromethane	2.107	50	554	Below Cal		96
4) Vinyl Chloride	2.150	62	19	Below Cal	#	43
5) Bromomethane	2.662	94	291	Below Cal		85
11) Tert butyl alcohol	4.942	59	1878	1.552	ug/l #	77
16) Acetone	3.948	43	3545	10.476	ug/l	94
17) Carbon Disulfide	4.180	76	25	Below Cal	#	75
18) Methyl Acetate	4.460	43	117	Below Cal	#	56
20) Methylene Chloride	4.704	84	28374	5.102	ug/l #	78
25) 2-Butanone	6.978	43	2982	5.634	ug/l	94
26) 2,2-Dichloropropane	6.966	77	4817	1.914	ug/l #	55
31) Cyclohexane	7.789	56	3423	Below Cal	#	1
36) 1,1-Dichloropropene	7.777	75	13264	6.131	ug/l #	50
37) Ethyl Acetate	6.978	43	2982	2.386	ug/l #	1
38) Carbon Tetrachloride	7.783	117	16877	6.784	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	63247	50.756	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	63247	112.852	ug/l #	7
95) Naphthalene	15.233	128	4273	1.001	ug/l	99

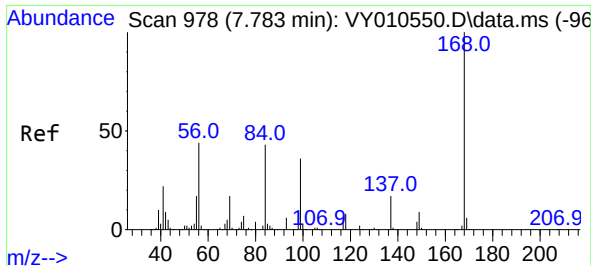
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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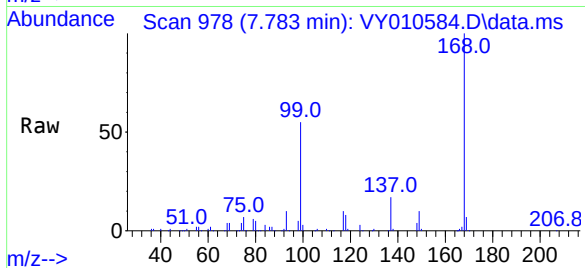
Quant Time: Sep 21 01:22:07 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 20 01:02:44 2022
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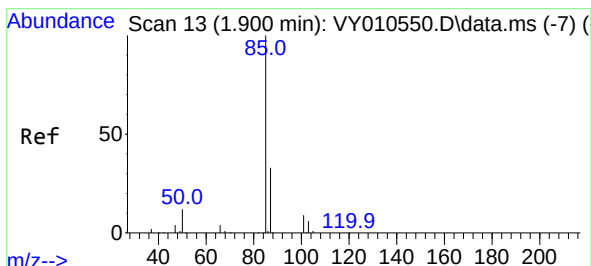
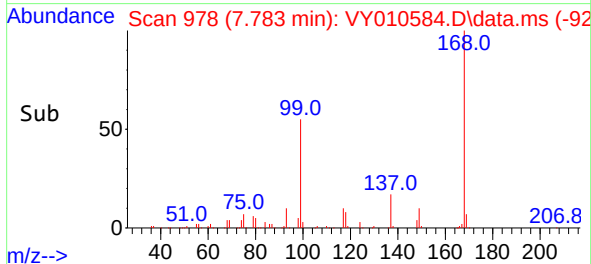
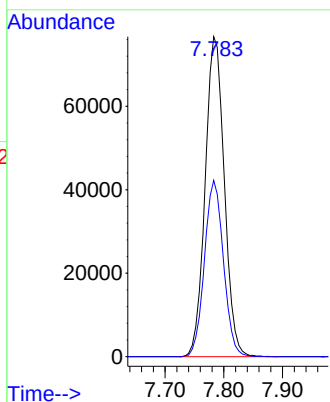


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010584.D
Acq: 20 Sep 2022 18:44

Instrument :
MSVOA_Y
ClientSampleId :

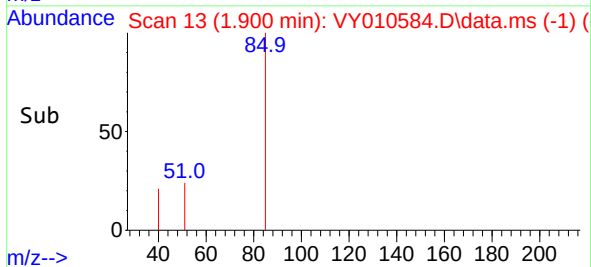
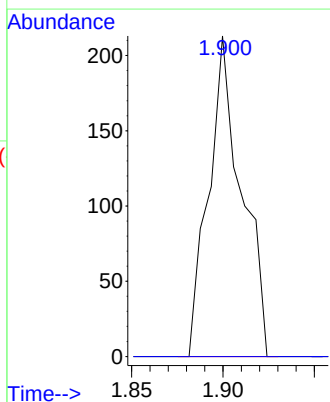
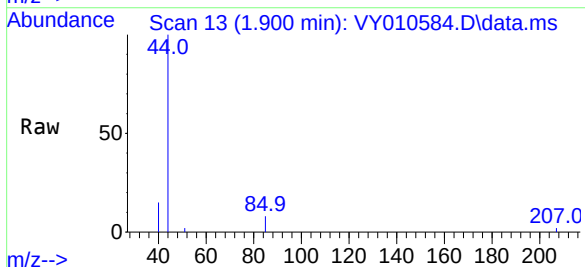


Tgt Ion:168 Resp: 173495
Ion Ratio Lower Upper
168 100
99 55.1 46.9 70.3

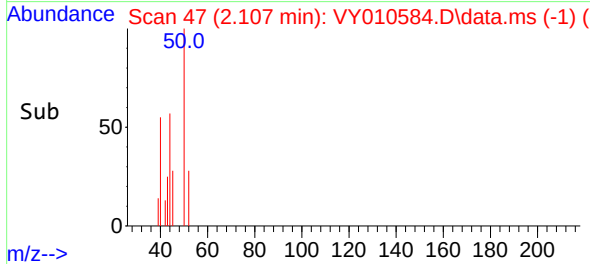
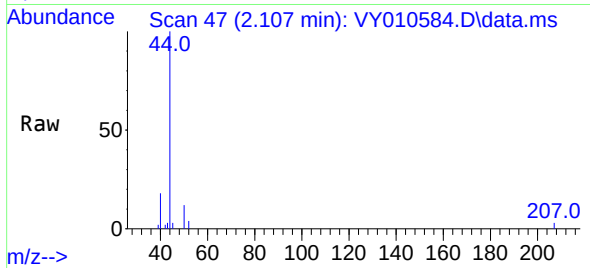
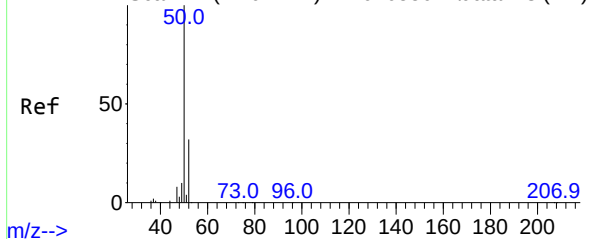


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010584.D
Acq: 20 Sep 2022 18:44

Tgt Ion: 85 Resp: 266
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



Abundance Scan 47 (2.107 min): VY010550.D\data.ms (-41)



#3

Chloromethane

Concen: Below Cal

RT: 2.107 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY010584.D

Acq: 20 Sep 2022 18:44

Instrument :

MSVOA_Y

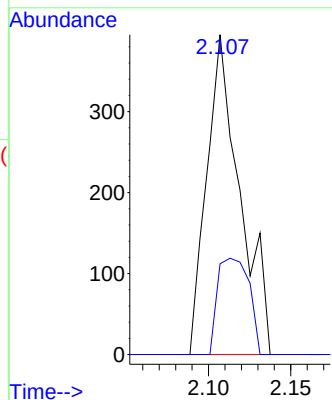
ClientSampleId :

Tgt Ion: 50 Resp: 554

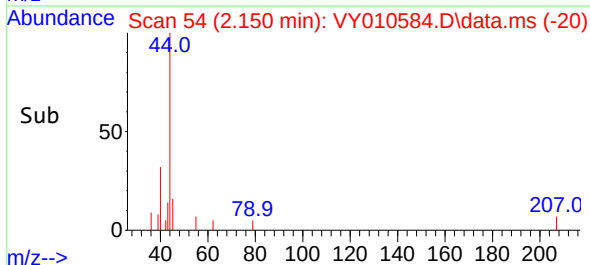
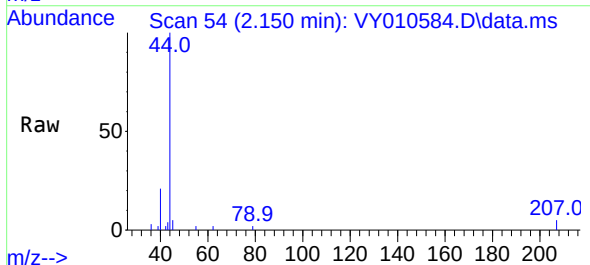
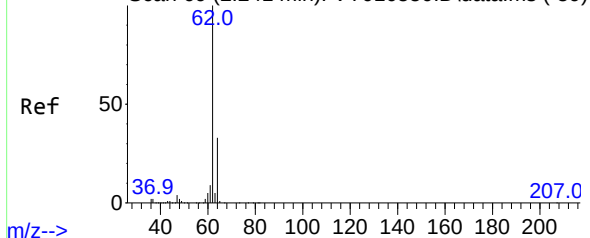
Ion Ratio Lower Upper

50 100

52 28.4 24.6 37.0



Abundance Scan 69 (2.241 min): VY010550.D\data.ms (-59)



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.150 min Scan# 54

Delta R.T. -0.091 min

Lab File: VY010584.D

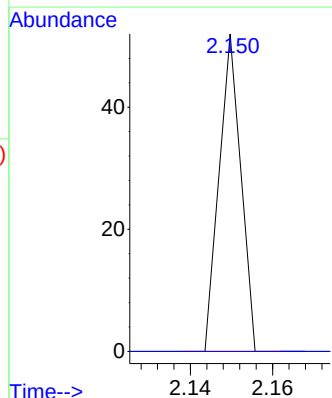
Acq: 20 Sep 2022 18:44

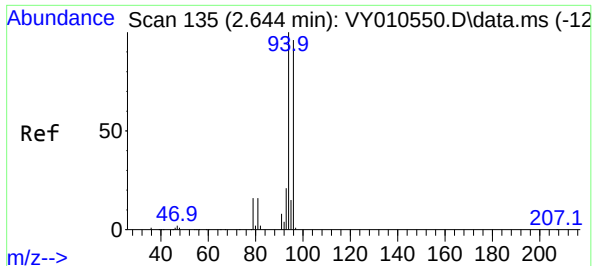
Tgt Ion: 62 Resp: 19

Ion Ratio Lower Upper

62 100

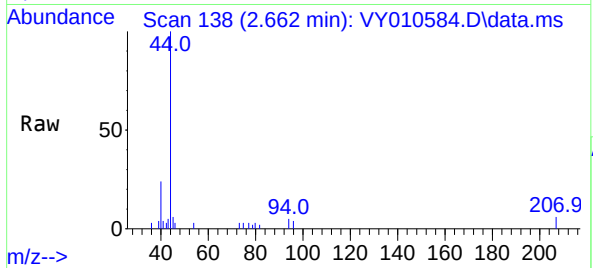
64 0.0 25.0 37.6#



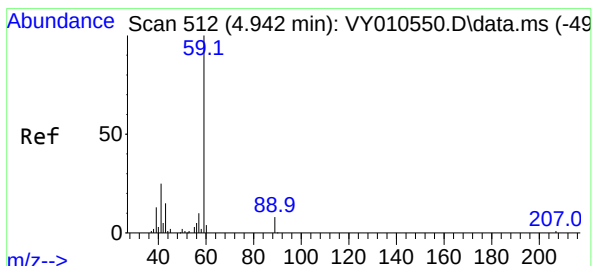
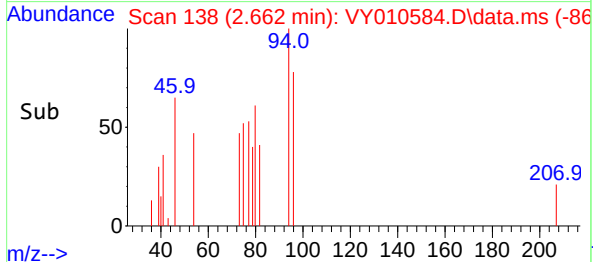
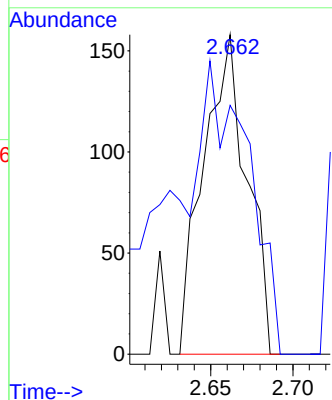


#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY010584.D
Acq: 20 Sep 2022 18:44

Instrument :
MSVOA_Y
ClientSampleId :

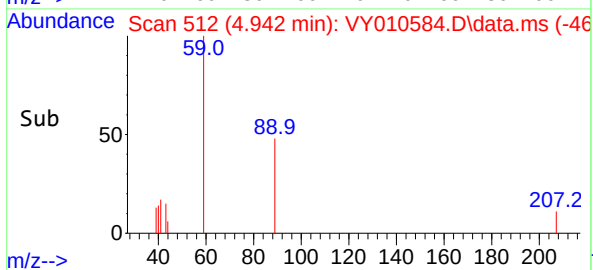
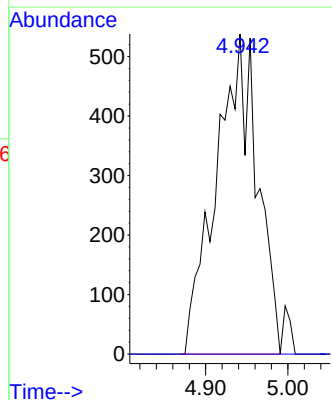
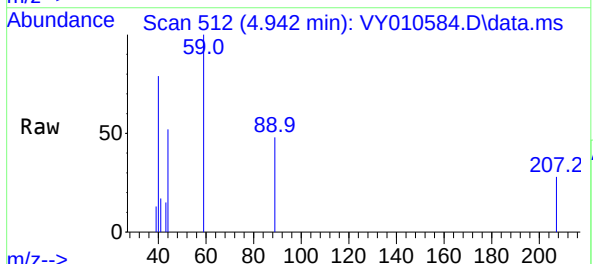


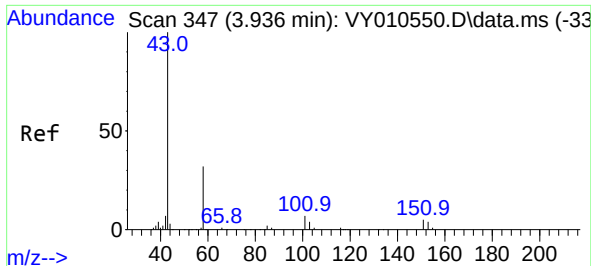
Tgt Ion: 94 Resp: 291
Ion Ratio Lower Upper
94 100
96 77.8 73.5 110.3



#11
Tert butyl alcohol
Concen: 1.552 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.000 min
Lab File: VY010584.D
Acq: 20 Sep 2022 18:44

Tgt Ion: 59 Resp: 1878
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

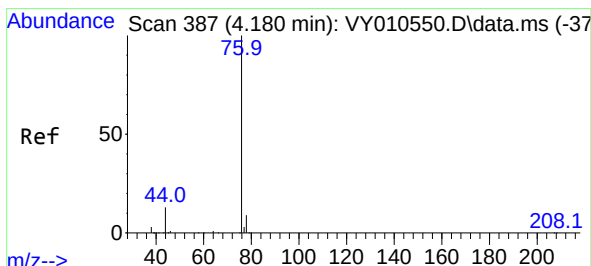
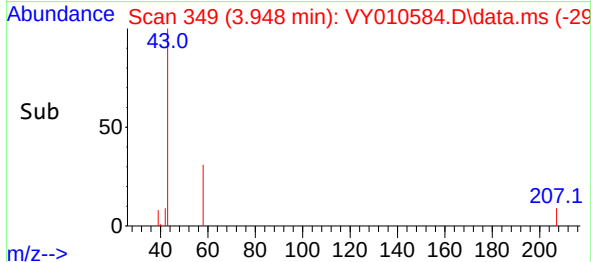
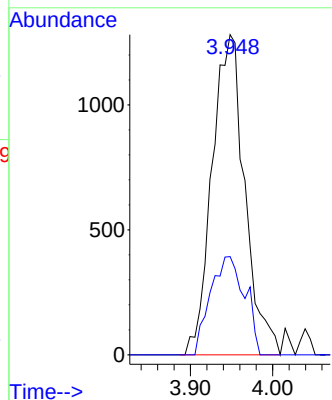
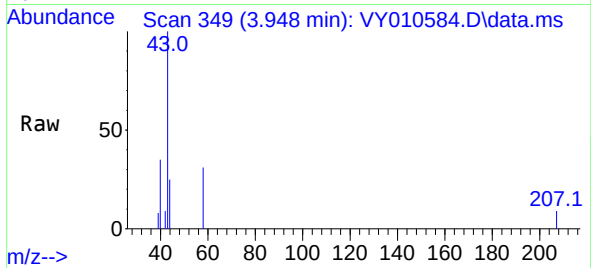




#16
Acetone
Concen: 10.476 ug/l
RT: 3.948 min Scan# 347
Delta R.T. 0.012 min
Lab File: VY010584.D
Acq: 20 Sep 2022 18:44

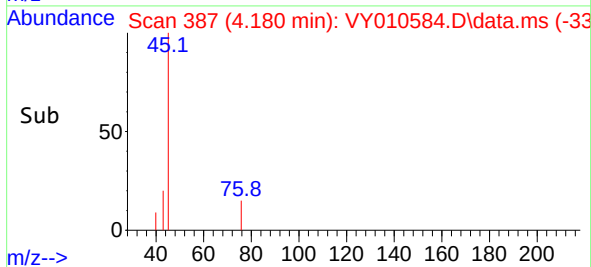
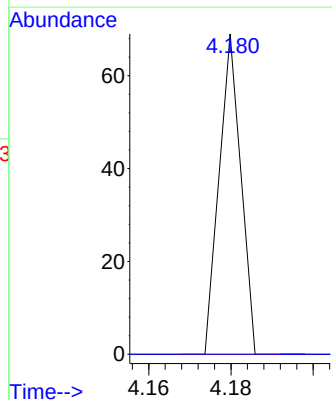
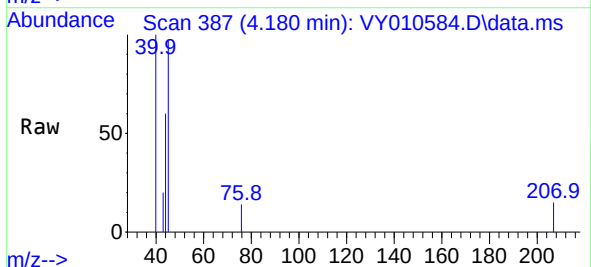
Instrument :
MSVOA_Y
ClientSampleId :

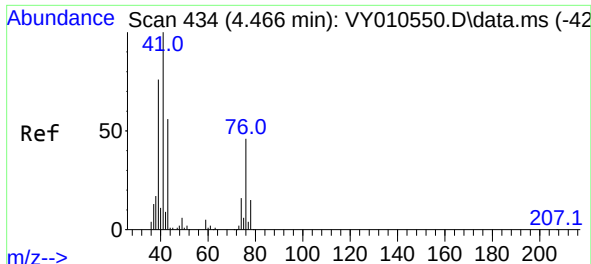
Tgt Ion: 43 Resp: 3545
Ion Ratio Lower Upper
43 100
58 30.7 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.180 min Scan# 387
Delta R.T. -0.000 min
Lab File: VY010584.D
Acq: 20 Sep 2022 18:44

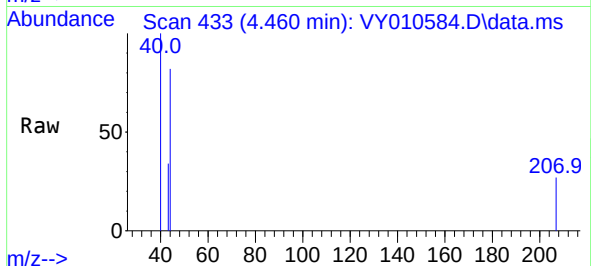
Tgt Ion: 76 Resp: 25
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



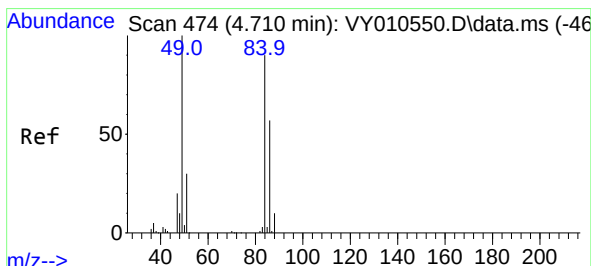
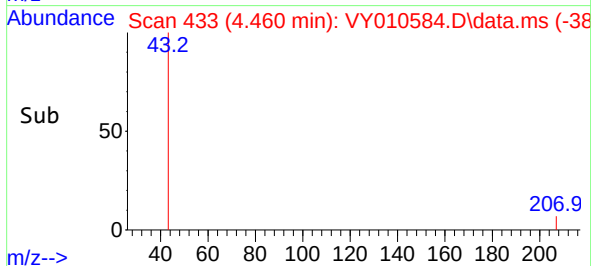
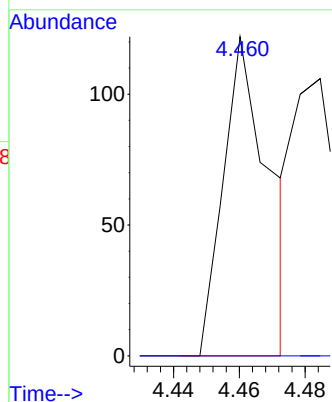


#18
Methyl Acetate
Concen: Below Cal
RT: 4.460 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010584.D
Acq: 20 Sep 2022 18:44

Instrument :
MSVOA_Y
ClientSampleId :

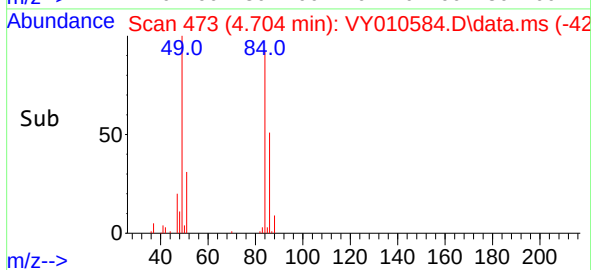
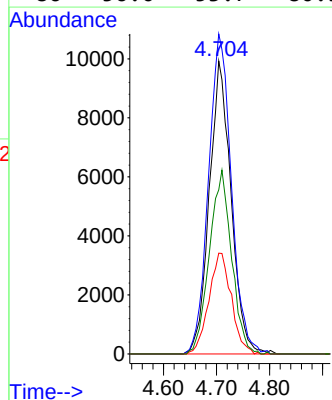
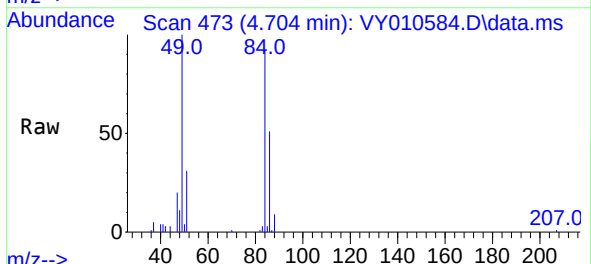


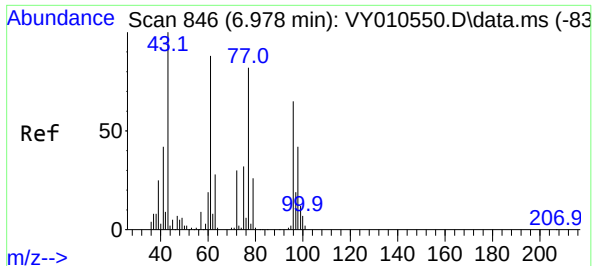
Tgt Ion: 43 Resp: 117
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 5.102 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY010584.D
Acq: 20 Sep 2022 18:44

Tgt Ion: 84 Resp: 28374
Ion Ratio Lower Upper
84 100
49 109.2 114.4 171.6#
51 34.4 35.3 52.9#
86 56.0 53.7 80.5





#25

2-Butanone

Concen: 5.634 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

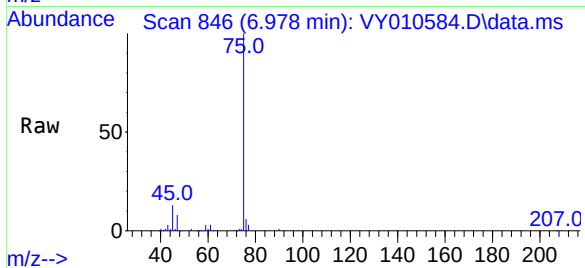
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Acq: 20 Sep 2022 18:44

Instrument :

MSVOA_Y

ClientSampleId :

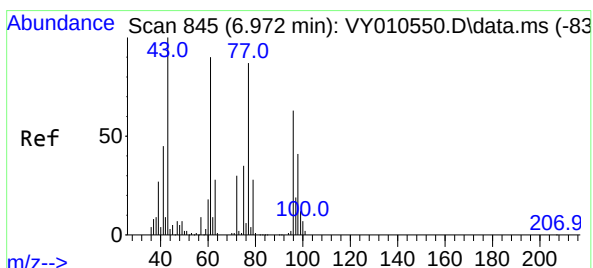
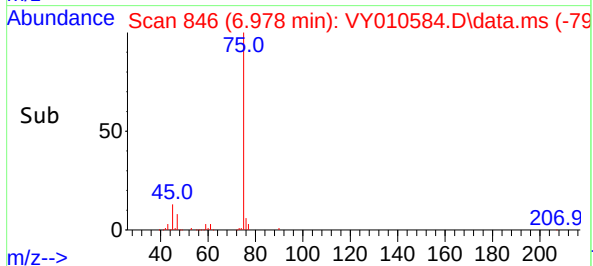
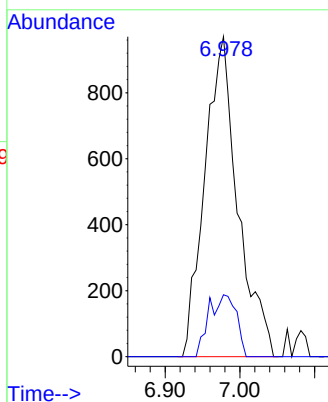


Tgt Ion: 43 Resp: 2982

Ion Ratio Lower Upper

43 100

72 19.4 17.7 26.5



#26

2,2-Dichloropropane

Concen: 1.914 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY010584.D

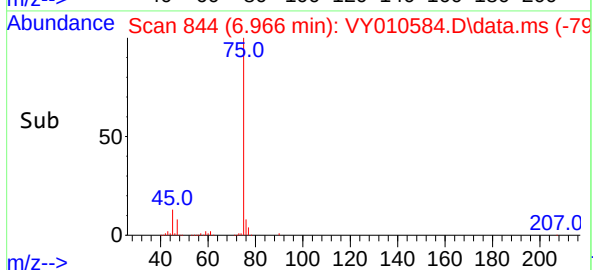
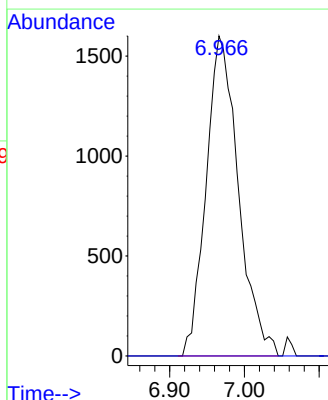
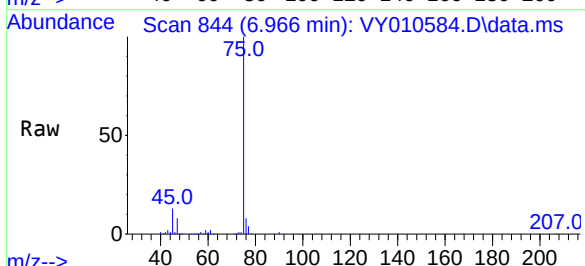
Acq: 20 Sep 2022 18:44

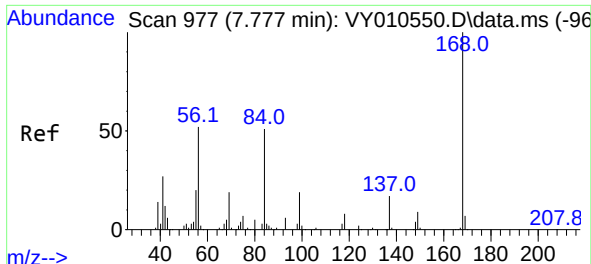
Tgt Ion: 77 Resp: 4817

Ion Ratio Lower Upper

77 100

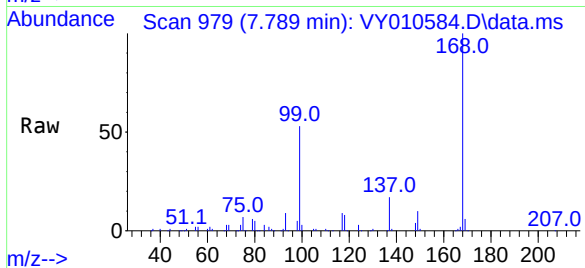
97 0.0 10.4 31.4#



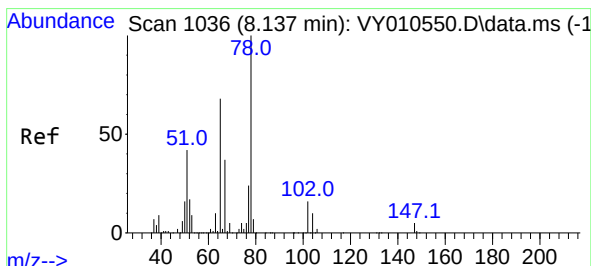
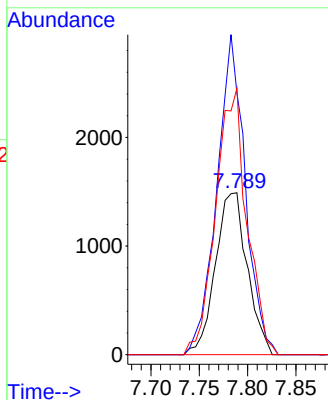
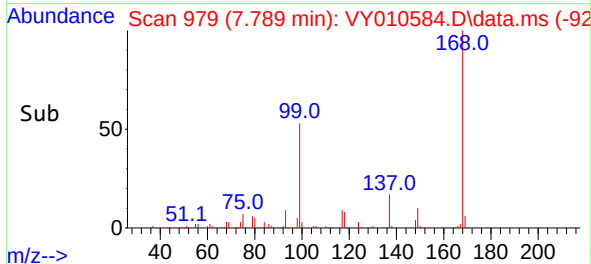


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY010584.D
Acq: 20 Sep 2022 18:44

Instrument :
MSVOA_Y
ClientSampleId :

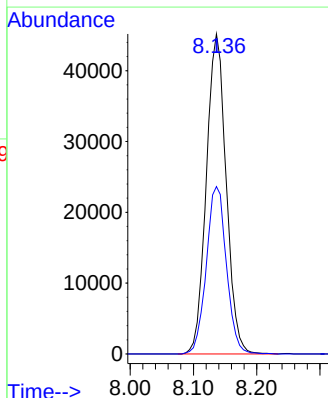
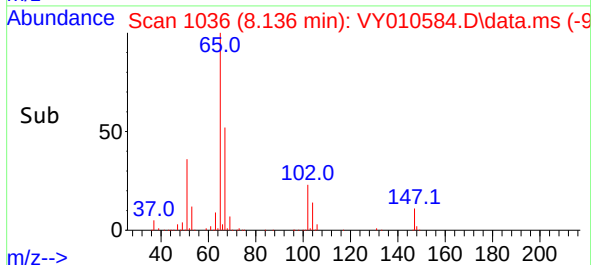
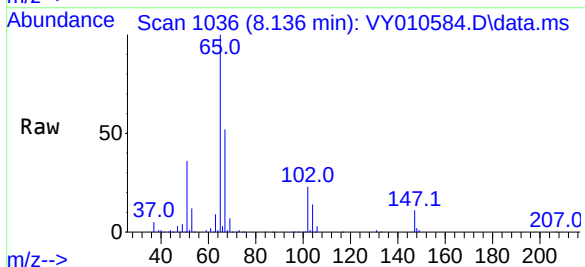


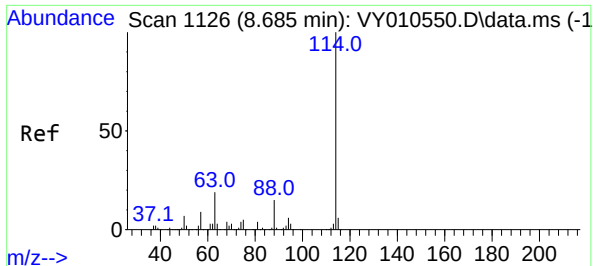
Tgt Ion: 56 Resp: 3423
Ion Ratio Lower Upper
56 100
69 161.5 26.7 40.1#
84 164.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 59.221 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010584.D
Acq: 20 Sep 2022 18:44

Tgt Ion: 65 Resp: 98274
Ion Ratio Lower Upper
65 100
67 53.1 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: VY010584.D

Acq: 20 Sep 2022 18:44

Instrument :

MSVOA_Y

ClientSampleId :

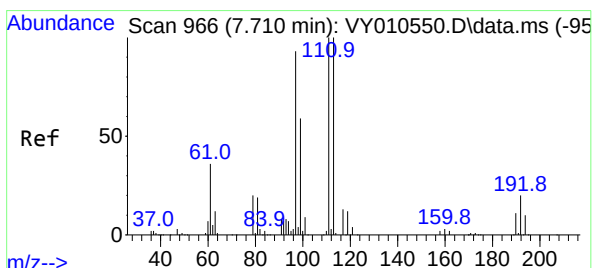
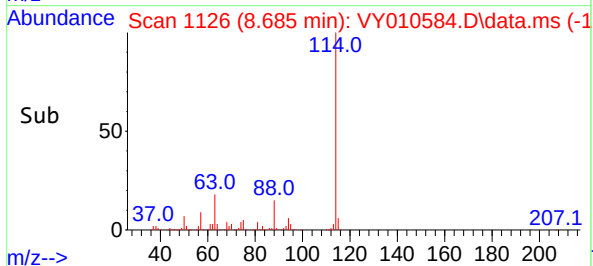
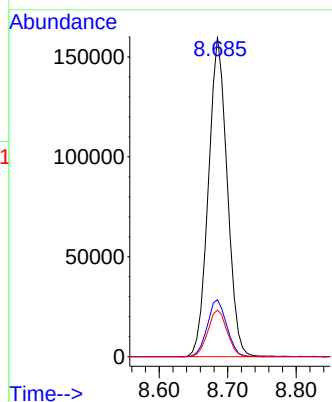
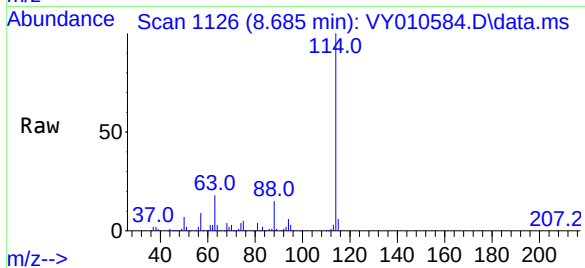
Tgt Ion:114 Resp: 304254

Ion Ratio Lower Upper

114 100

63 17.8 0.0 43.2

88 14.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 49.281 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010584.D

Acq: 20 Sep 2022 18:44

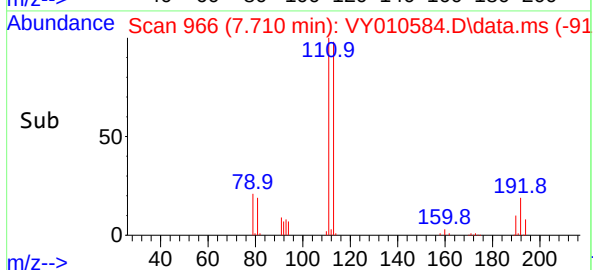
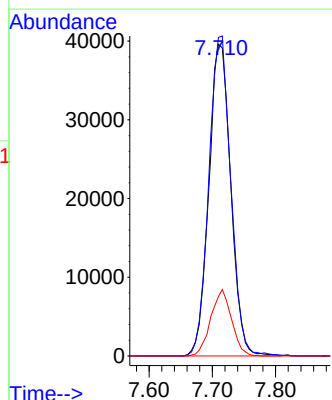
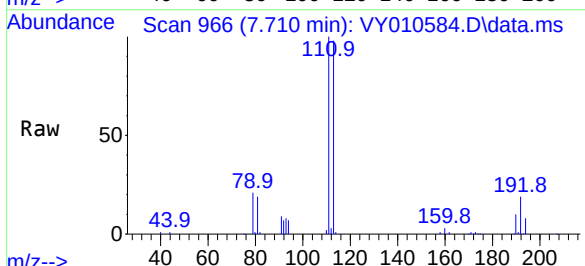
Tgt Ion:113 Resp: 95691

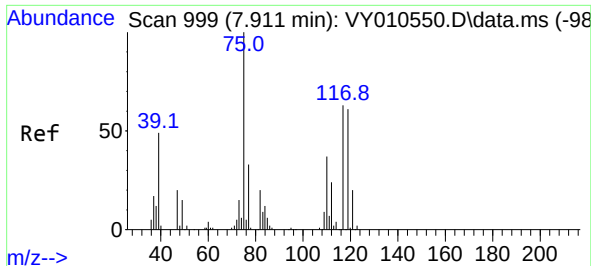
Ion Ratio Lower Upper

113 100

111 102.6 82.6 124.0

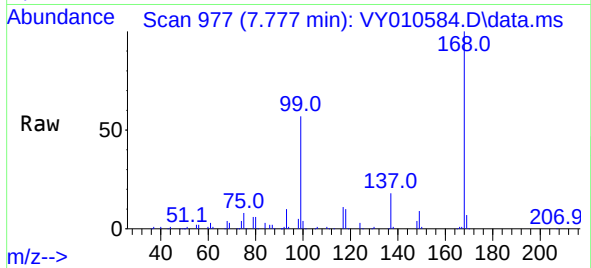
192 20.2 17.6 26.4



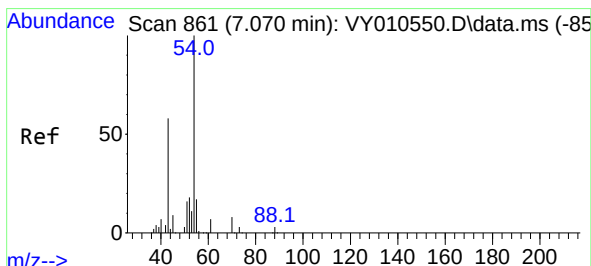
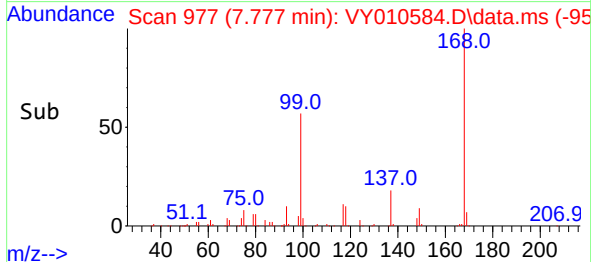
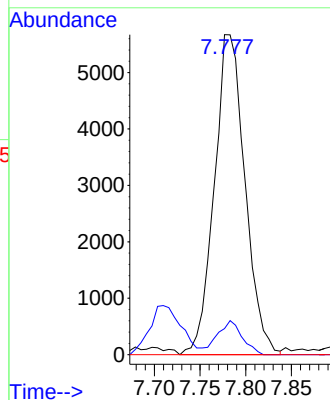


#36
1,1-Dichloropropene
Concen: 6.131 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY010584.D
Acq: 20 Sep 2022 18:44

Instrument :
MSVOA_Y
ClientSampleId :

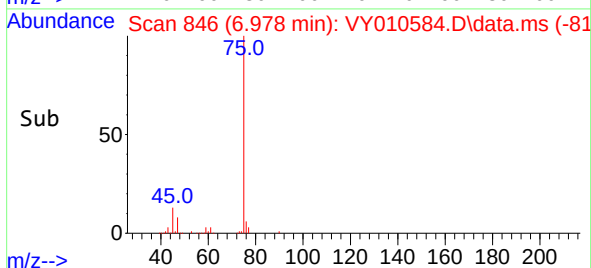
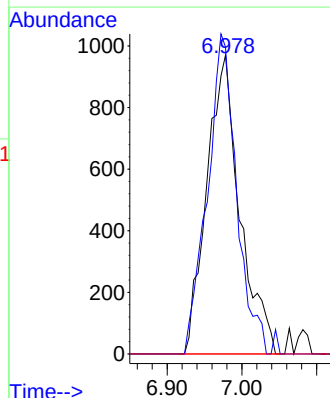
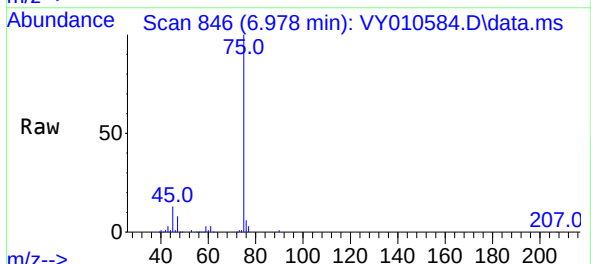


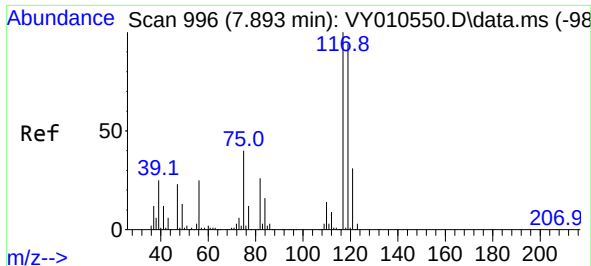
Tgt Ion: 75 Resp: 13264
Ion Ratio Lower Upper
75 100
110 8.6 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 2.386 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.092 min
Lab File: VY010584.D
Acq: 20 Sep 2022 18:44

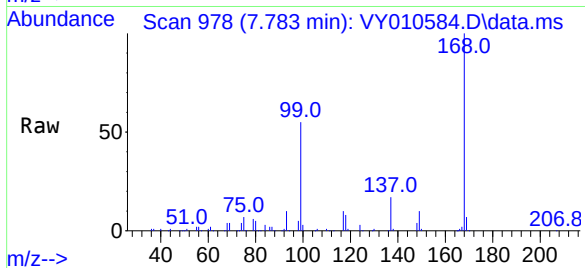
Tgt Ion: 43 Resp: 2982
Ion Ratio Lower Upper
43 100
61 94.6 9.7 14.5#
70 0.0 7.1 10.7#



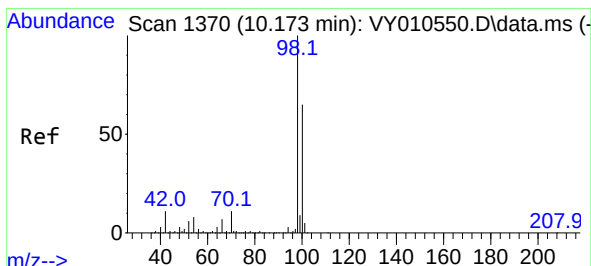
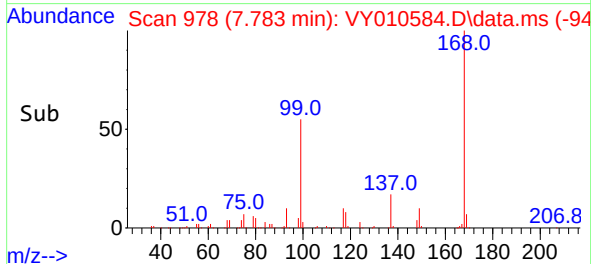
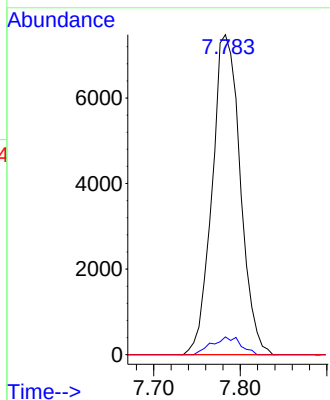


#38
Carbon Tetrachloride
Concen: 6.784 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010584.D
Acq: 20 Sep 2022 18:44

Instrument :
MSVOA_Y
ClientSampleId :

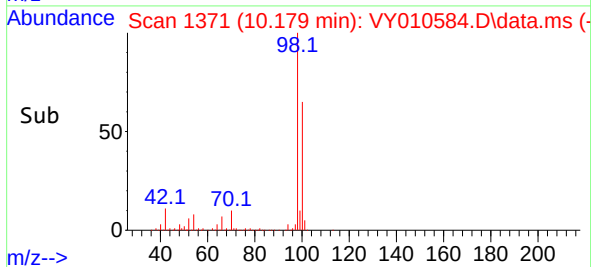
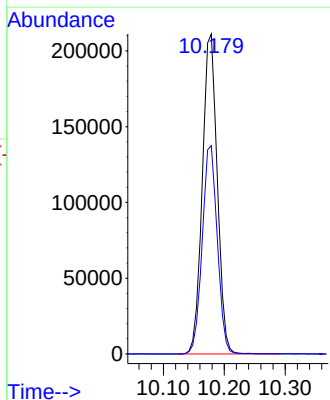
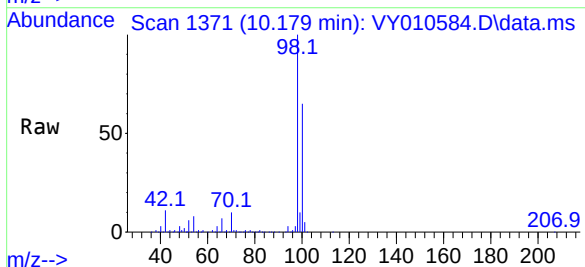


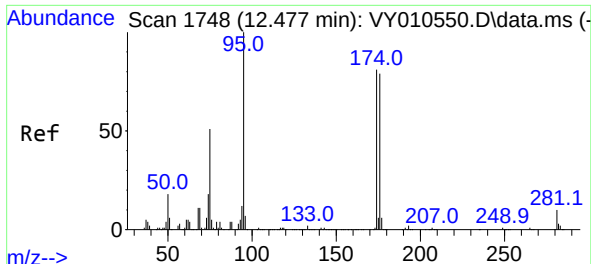
Tgt Ion:117 Resp: 16877
Ion Ratio Lower Upper
117 100
119 5.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.227 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010584.D
Acq: 20 Sep 2022 18:44

Tgt Ion: 98 Resp: 360553
Ion Ratio Lower Upper
98 100
100 65.6 50.2 75.2

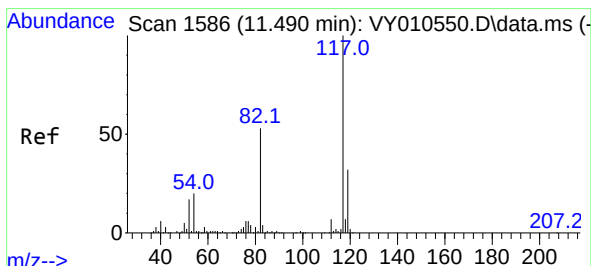
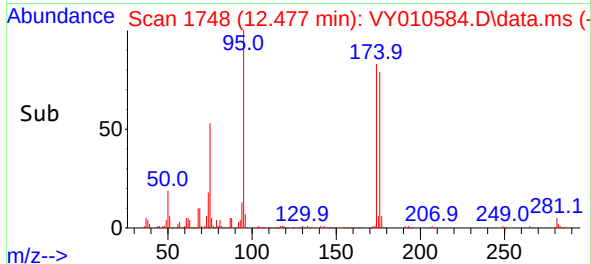
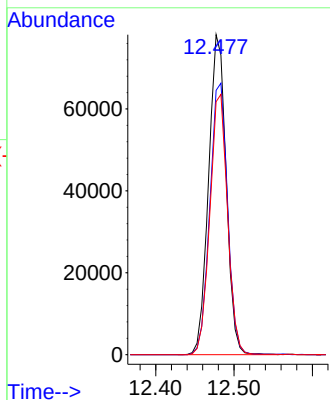
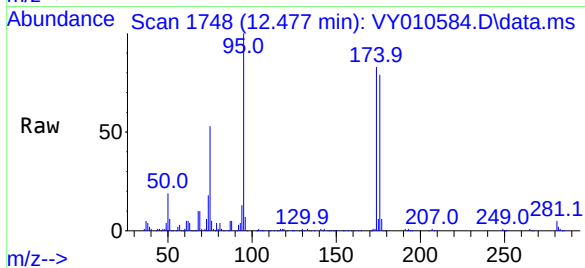




#62
4-Bromofluorobenzene
Concen: 45.407 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010584.D
Acq: 20 Sep 2022 18:44

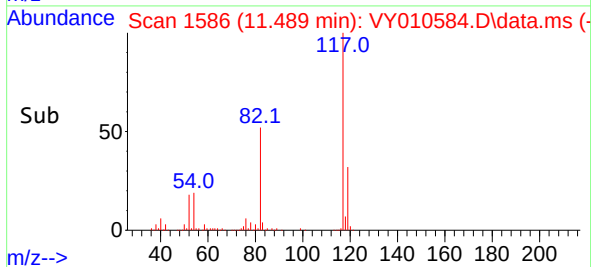
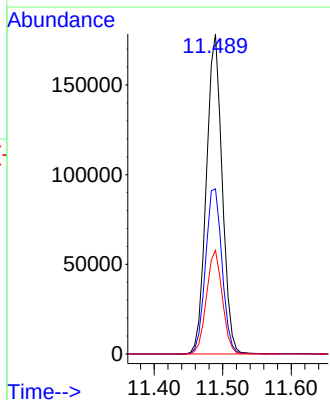
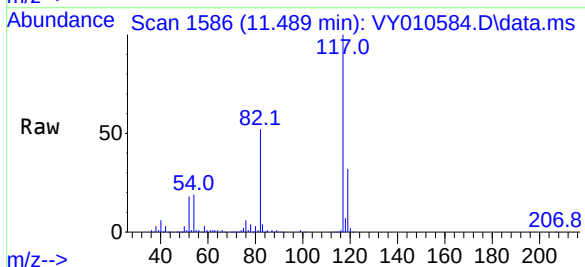
Instrument :
MSVOA_Y
ClientSampleId :

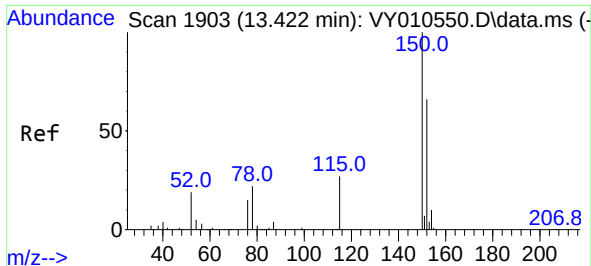
Tgt Ion: 95 Resp: 121593
Ion Ratio Lower Upper
95 100
174 85.9 0.0 177.0
176 81.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010584.D
Acq: 20 Sep 2022 18:44

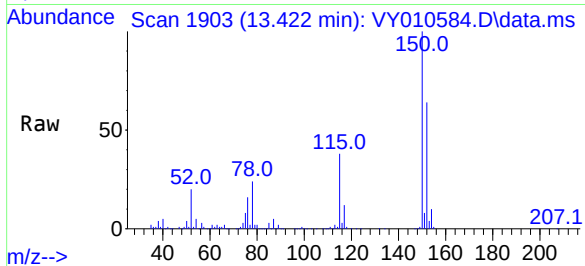
Tgt Ion: 117 Resp: 286473
Ion Ratio Lower Upper
117 100
82 51.6 43.0 64.4
119 32.4 25.4 38.0



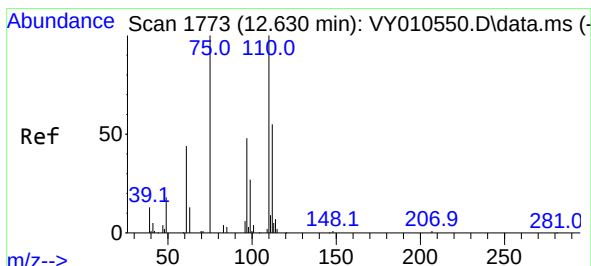
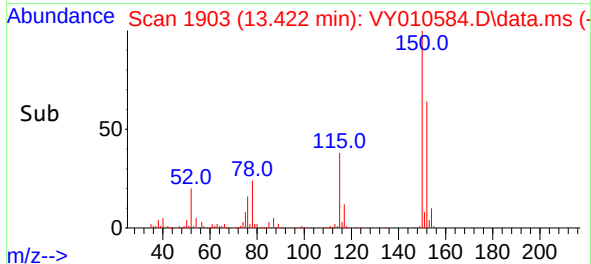
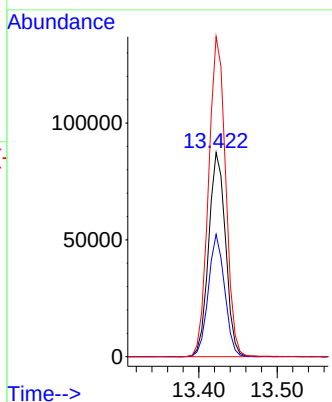


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY010584.D
 Acq: 20 Sep 2022 18:44

Instrument :
 MSVOA_Y
 ClientSampleId :

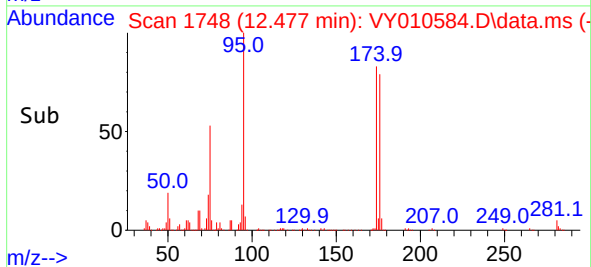
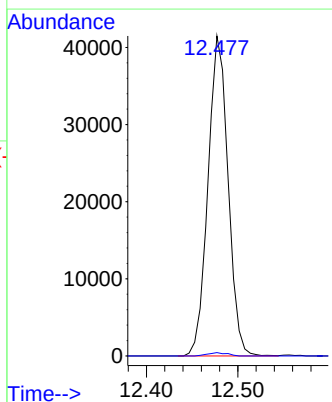
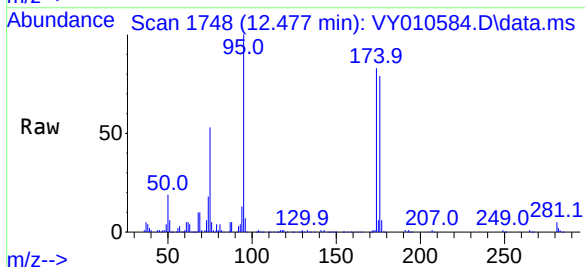


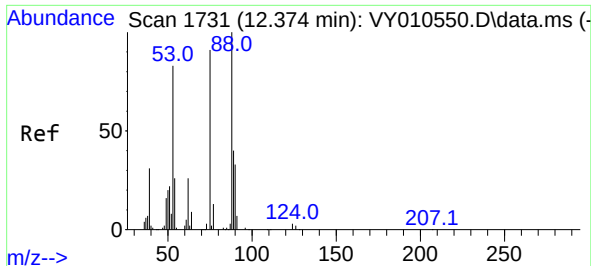
Tgt Ion:152 Resp: 130560
 Ion Ratio Lower Upper
 152 100
 115 57.9 28.2 84.7
 150 158.4 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 50.756 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY010584.D
 Acq: 20 Sep 2022 18:44

Tgt Ion: 75 Resp: 63247
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

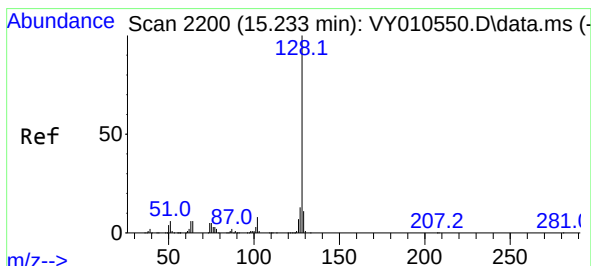
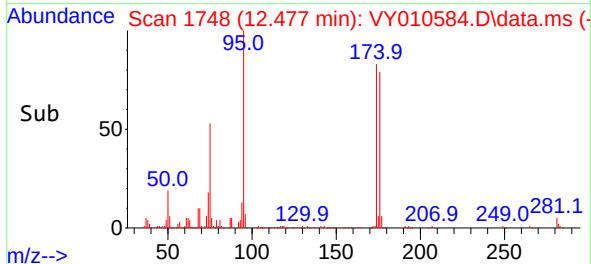
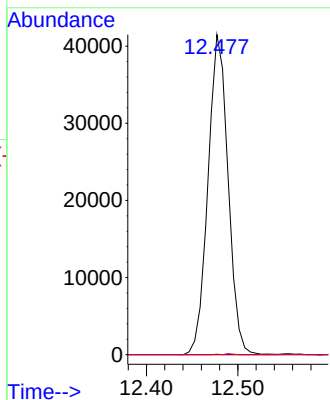
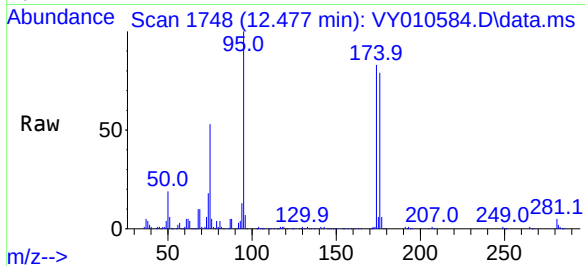




#81
trans-1,4-Dichloro-2-butene
Concen: 112.852 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY010584.D
Acq: 20 Sep 2022 18:44

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 63247
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 1.001 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY010584.D
Acq: 20 Sep 2022 18:44

Tgt Ion:128 Resp: 4273
Ion Ratio Lower Upper
128 100
127 14.1 11.0 16.4
129 9.9 8.4 12.6

