

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092122\
 Data File : VY010601.D
 Acq On : 21 Sep 2022 16:08
 Operator : KP/MD
 Sample : N4697-13
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 22 06:10:19 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	199650	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	368758	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	365996	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	167089	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	100423	52.588	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.180%	
35) Dibromofluoromethane	7.710	113	93395	39.685	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 79.360%	
50) Toluene-d8	10.179	98	361606	42.101	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 84.200%	
62) 4-Bromofluorobenzene	12.477	95	117610	35.660	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 71.320%	

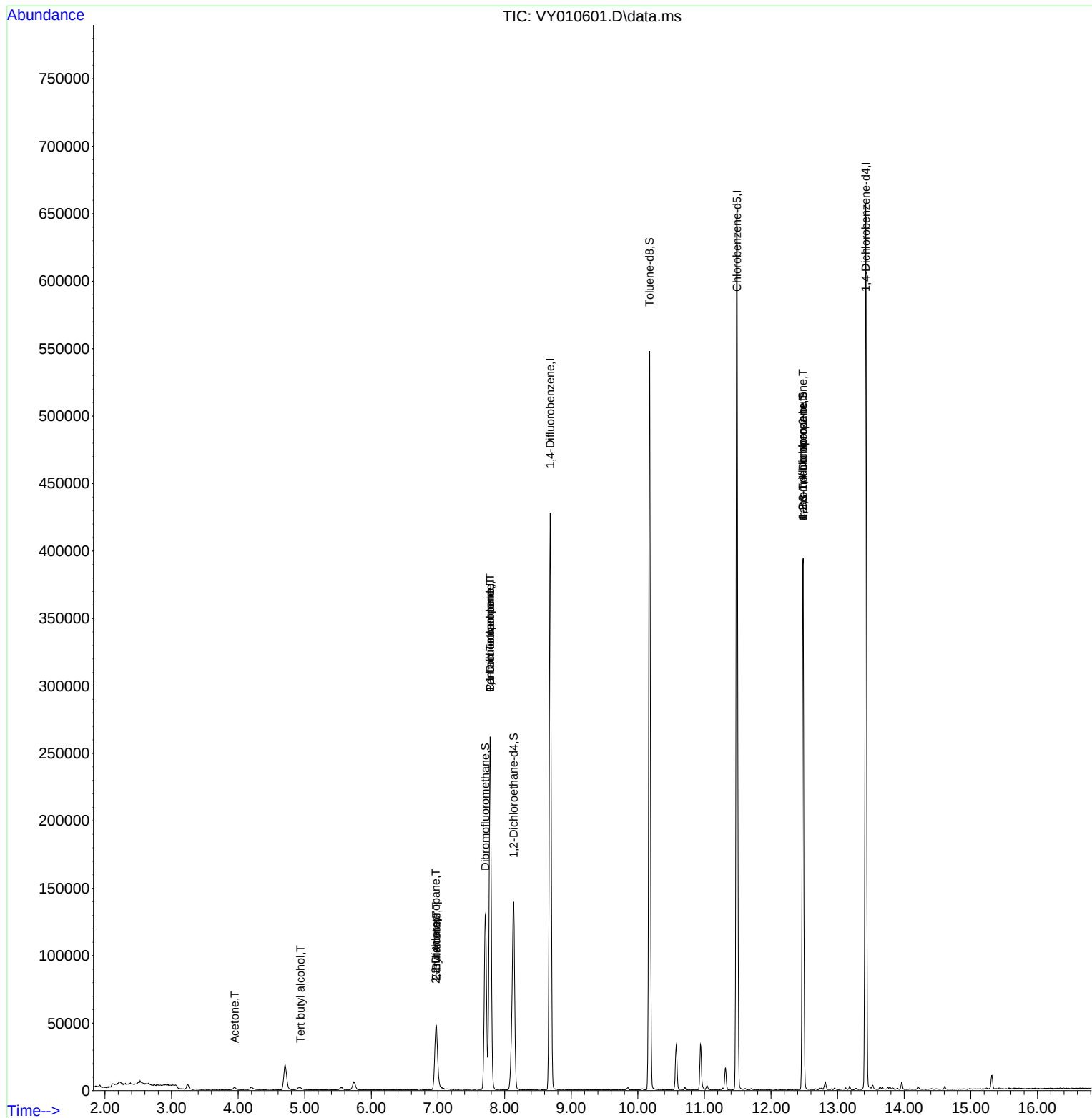
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.900	85	354	Below Cal		81
3) Chloromethane	2.107	50	537	Below Cal	#	86
4) Vinyl Chloride	2.229	62	49	Below Cal	#	43
5) Bromomethane	2.656	94	288	Below Cal		85
11) Tert butyl alcohol	4.936	59	2299	2.397 ug/l	#	77
16) Acetone	3.948	43	3001	7.706 ug/l		98
17) Carbon Disulfide	4.198	76	168	Below Cal	#	75
18) Methyl Acetate	4.466	43	541	Below Cal	#	56
20) Methylene Chloride	4.704	84	14004	Below Cal		84
25) 2-Butanone	6.972	43	2820	4.630 ug/l	#	84
26) 2,2-Dichloropropane	6.966	77	3585	1.238 ug/l	#	55
31) Cyclohexane	7.783	56	4125	Below Cal	#	15
36) 1,1-Dichloropropene	7.783	75	15277	5.826 ug/l	#	51
37) Ethyl Acetate	6.972	43	2820	1.862 ug/l	#	1
38) Carbon Tetrachloride	7.783	117	20022	6.641 ug/l	#	16
76) 1,2,3-Trichloropropane	12.477	75	61940	38.840 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	61940	86.358 ug/l	#	7

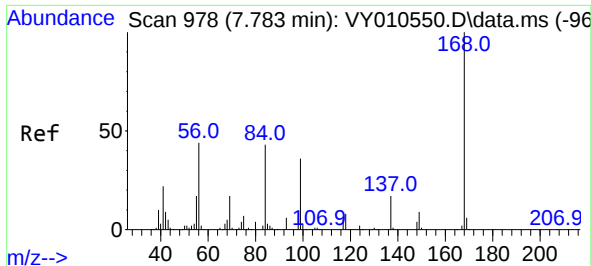
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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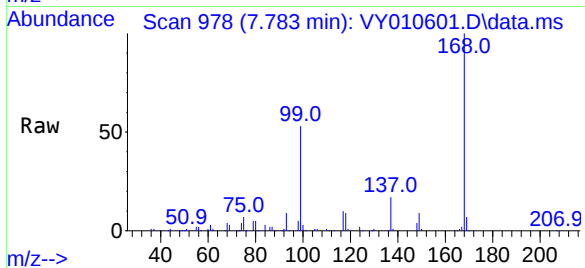
Quant Time: Sep 22 06:10:19 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 20 01:02:44 2022
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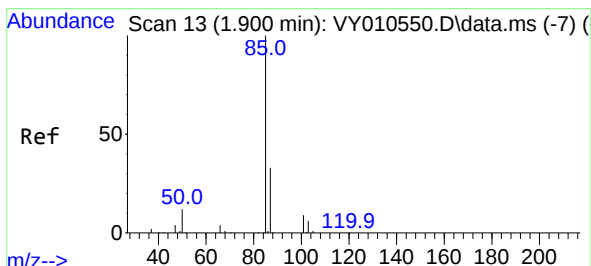
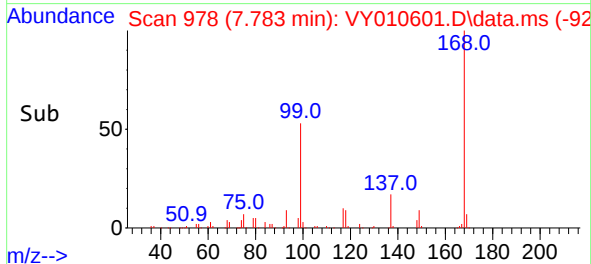
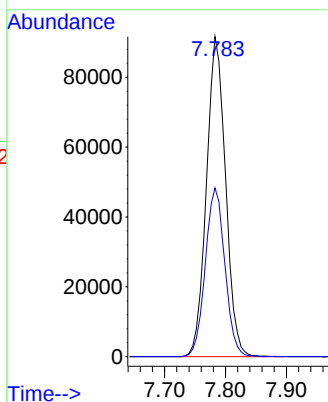


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010601.D
Acq: 21 Sep 2022 16:08

Instrument :
MSVOA_Y
ClientSampleId :

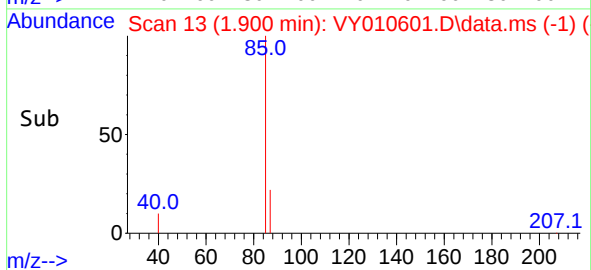
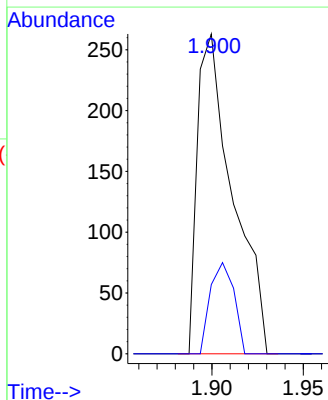
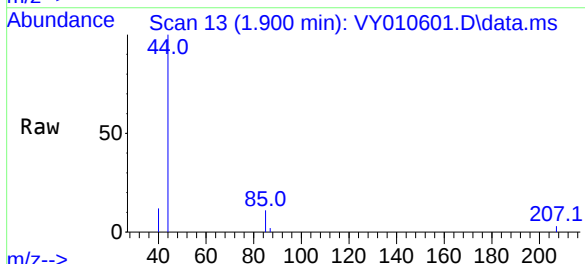


Tgt Ion:168 Resp: 199650
Ion Ratio Lower Upper
168 100
99 52.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010601.D
Acq: 21 Sep 2022 16:08

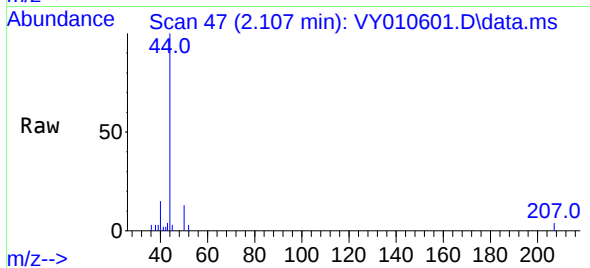
Tgt Ion: 85 Resp: 354
Ion Ratio Lower Upper
85 100
87 21.7 16.1 48.2



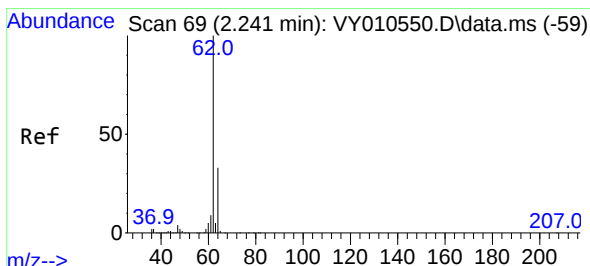
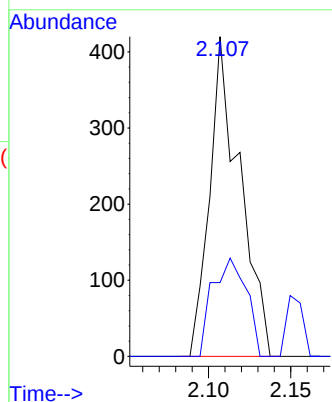


#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY010601.D
Acq: 21 Sep 2022 16:08

Instrument :
MSVOA_Y
ClientSampleId :

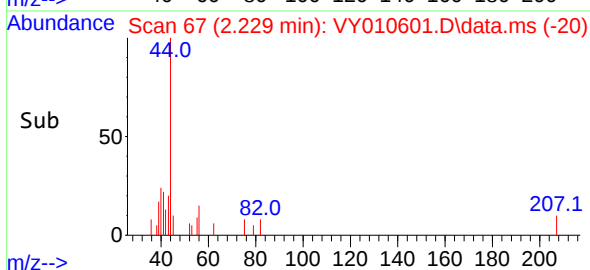
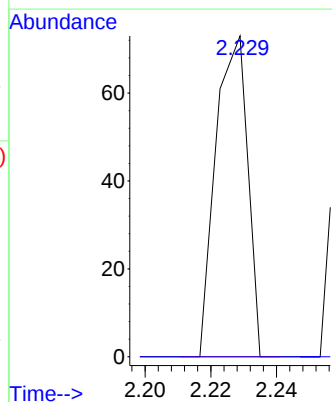
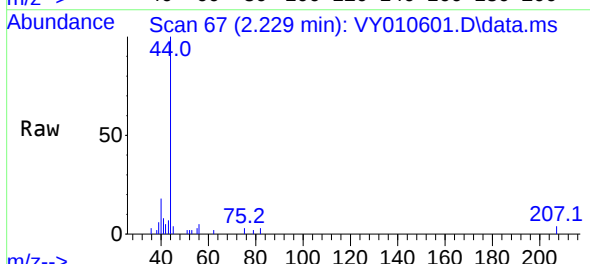


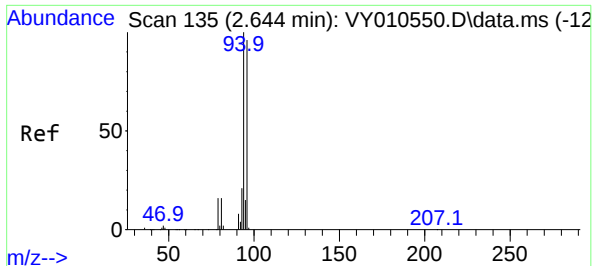
Tgt Ion: 50 Resp: 537
Ion Ratio Lower Upper
50 100
52 23.1 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.229 min Scan# 67
Delta R.T. -0.012 min
Lab File: VY010601.D
Acq: 21 Sep 2022 16:08

Tgt Ion: 62 Resp: 49
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

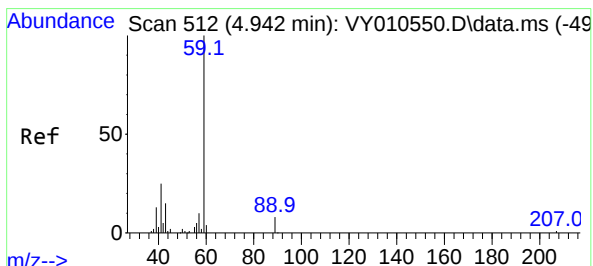
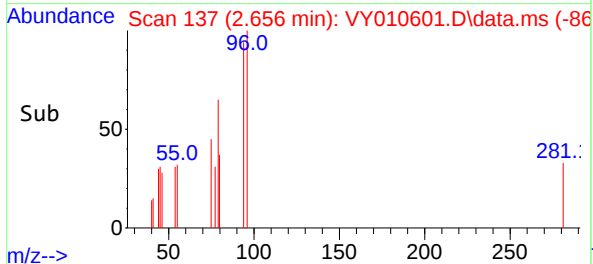
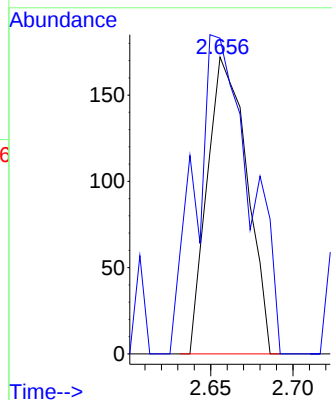
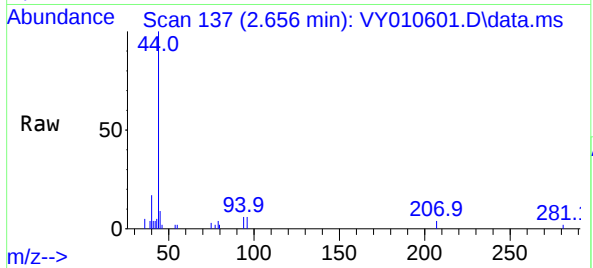




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010601.D
Acq: 21 Sep 2022 16:08

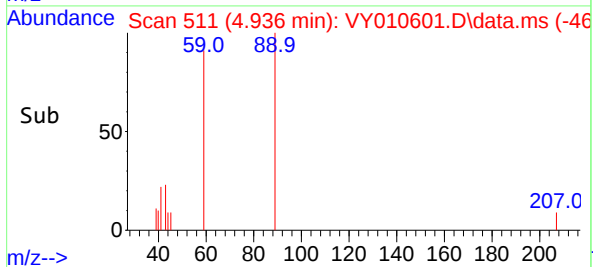
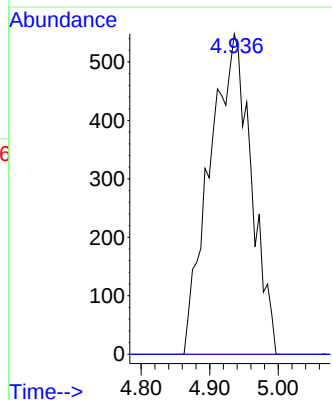
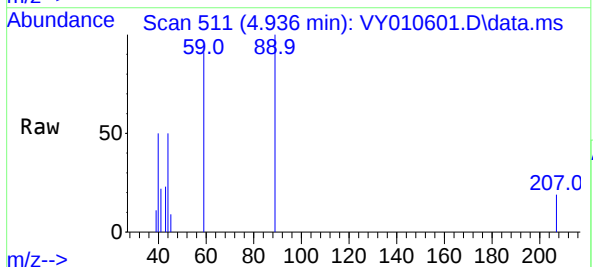
Instrument :
MSVOA_Y
ClientSampleId :

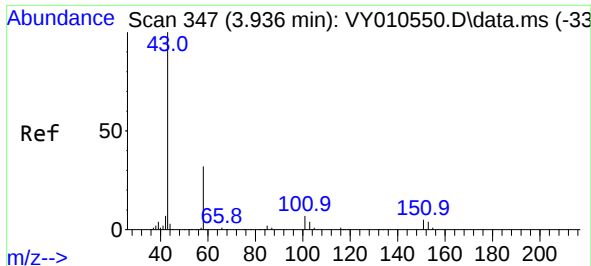
Tgt Ion: 94 Resp: 288
Ion Ratio Lower Upper
94 100
96 106.4 73.5 110.3



#11
Tert butyl alcohol
Concen: 2.397 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY010601.D
Acq: 21 Sep 2022 16:08

Tgt Ion: 59 Resp: 2299
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

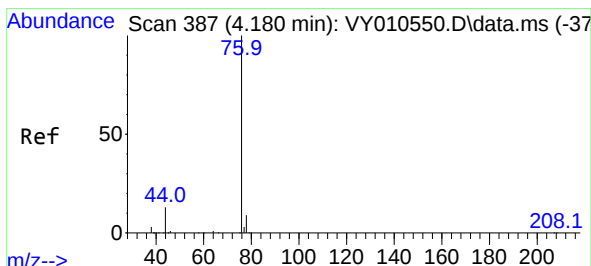
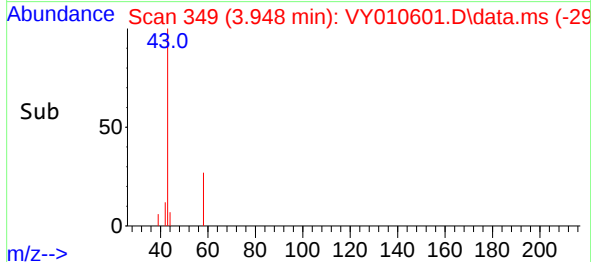
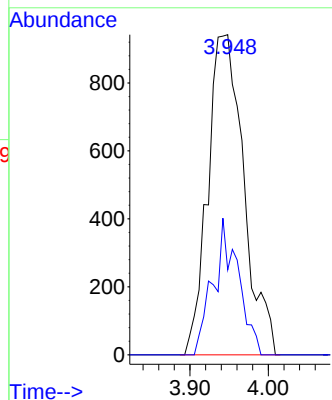
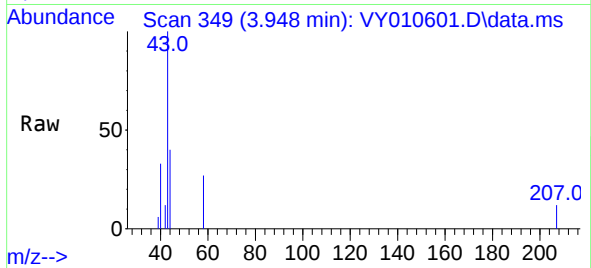




#16
Acetone
Concen: 7.706 ug/l
RT: 3.948 min Scan# 347
Delta R.T. 0.012 min
Lab File: VY010601.D
Acq: 21 Sep 2022 16:08

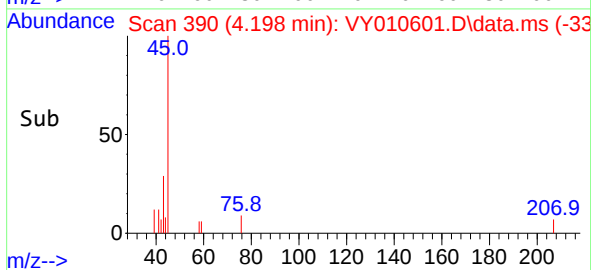
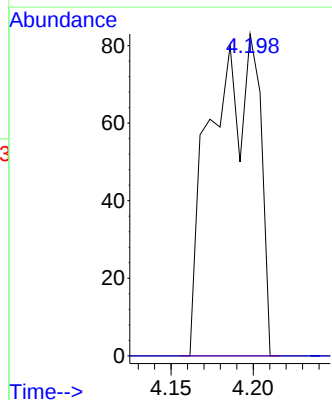
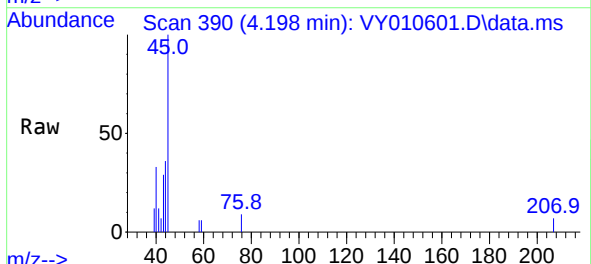
Instrument :
MSVOA_Y
ClientSampleId :

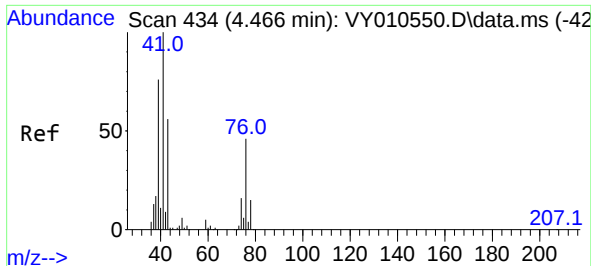
Tgt Ion: 43 Resp: 3001
Ion Ratio Lower Upper
43 100
58 26.5 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.198 min Scan# 390
Delta R.T. 0.018 min
Lab File: VY010601.D
Acq: 21 Sep 2022 16:08

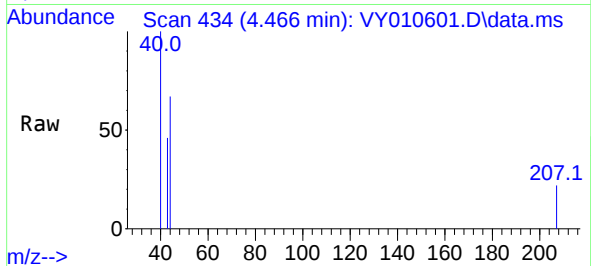
Tgt Ion: 76 Resp: 168
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



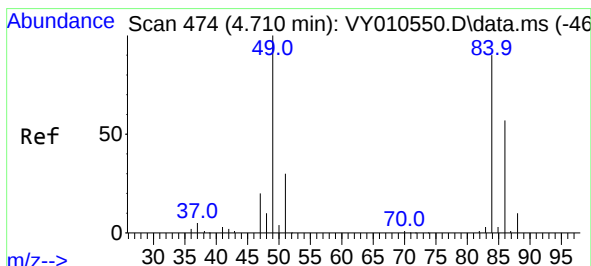
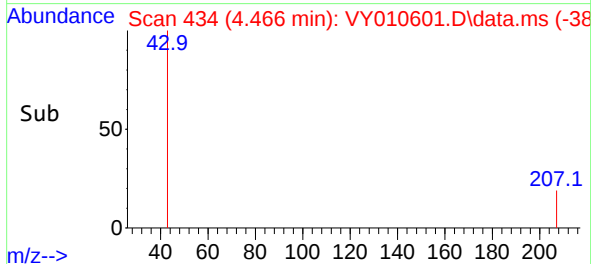
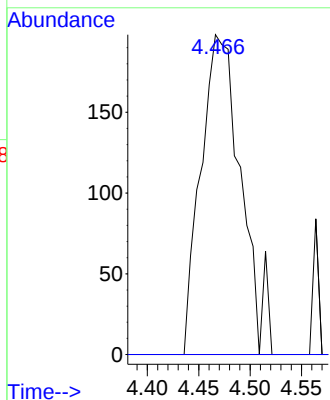


#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 418
Delta R.T. 0.000 min
Lab File: VY010601.D
Acq: 21 Sep 2022 16:08

Instrument :
MSVOA_Y
ClientSampleId :

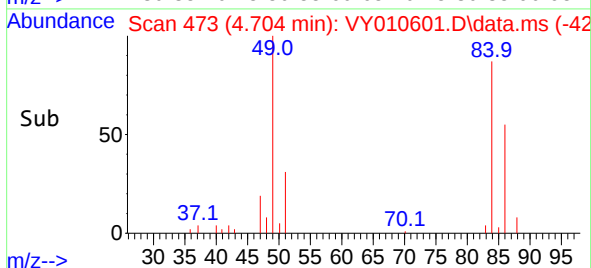
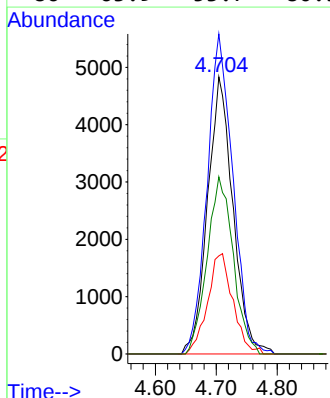
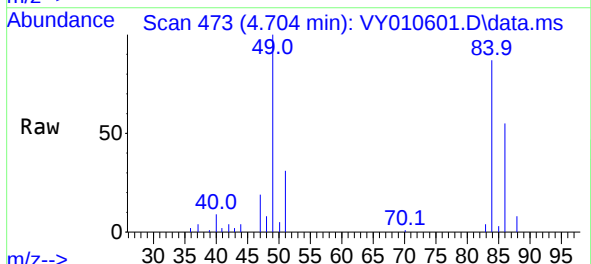


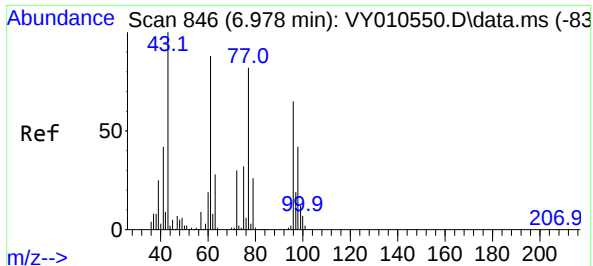
Tgt Ion: 43 Resp: 541
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY010601.D
Acq: 21 Sep 2022 16:08

Tgt Ion: 84 Resp: 14004
Ion Ratio Lower Upper
84 100
49 115.5 114.4 171.6
51 35.4 35.3 52.9
86 63.9 53.7 80.5





#25

2-Butanone

Concen: 4.630 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.006 min

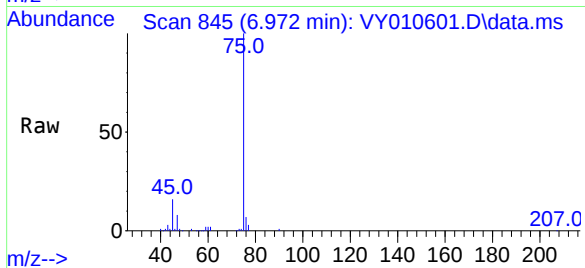
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Acq: 21 Sep 2022 16:08

Instrument :

MSVOA_Y

ClientSampleId :

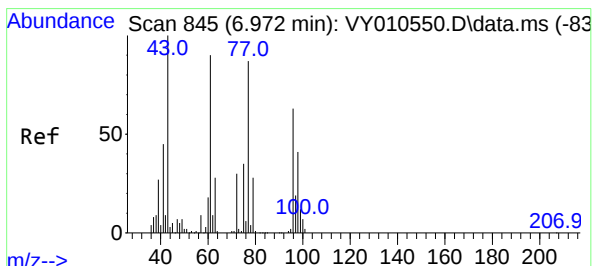
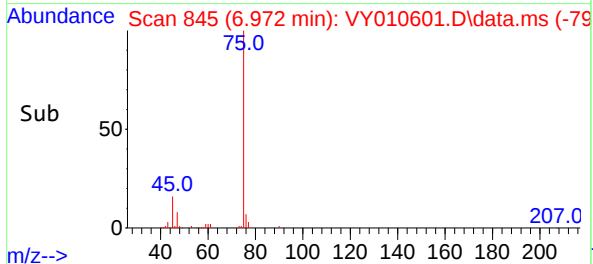
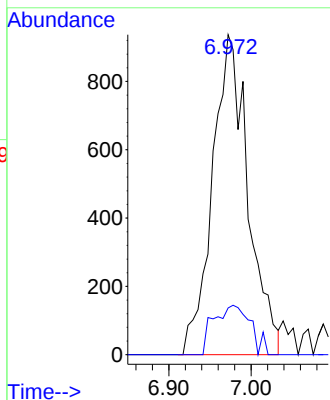


Tgt Ion: 43 Resp: 2820

Ion Ratio Lower Upper

43 100

72 14.6 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.238 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY010601.D

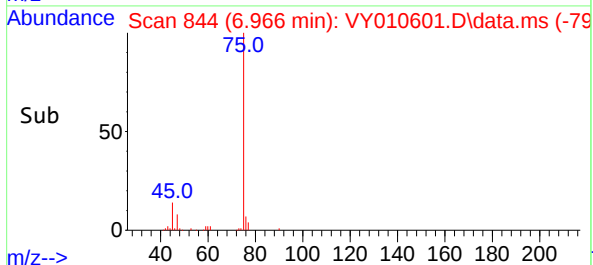
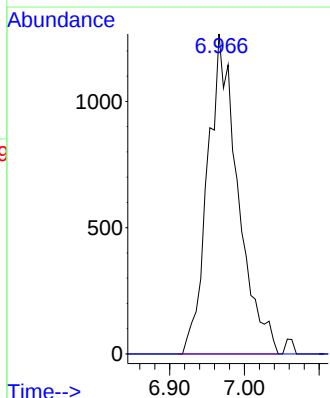
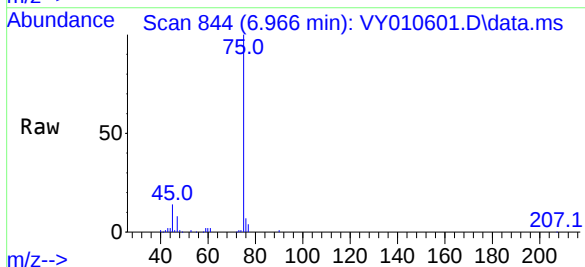
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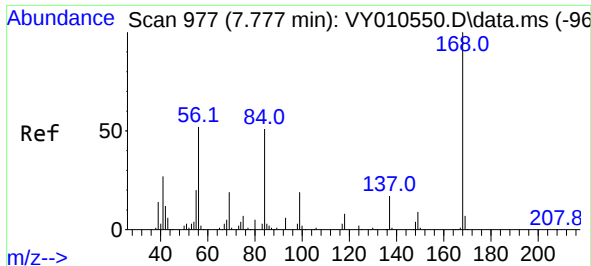
Tgt Ion: 77 Resp: 3585

Ion Ratio Lower Upper

77 100

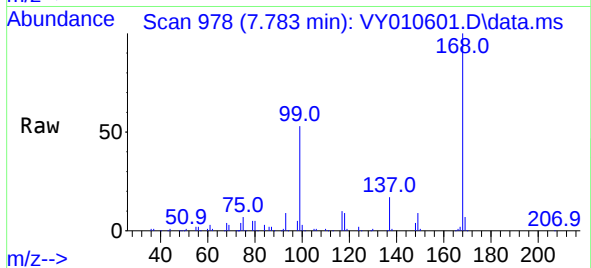
97 0.0 10.4 31.4#



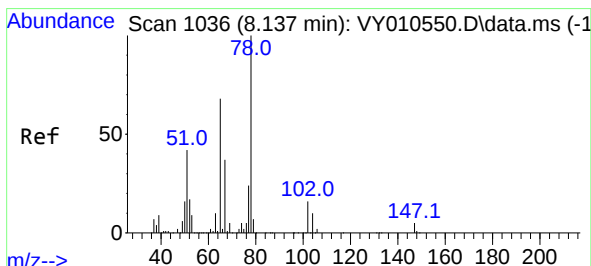
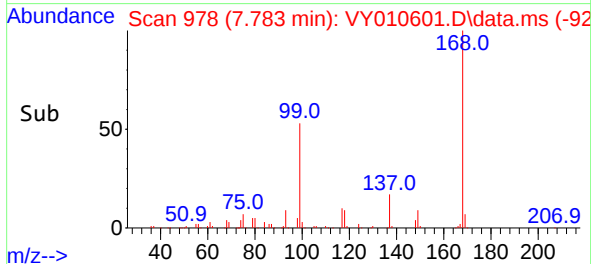
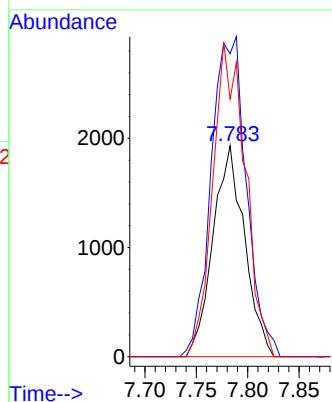


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010601.D
Acq: 21 Sep 2022 16:08

Instrument :
MSVOA_Y
ClientSampleId :

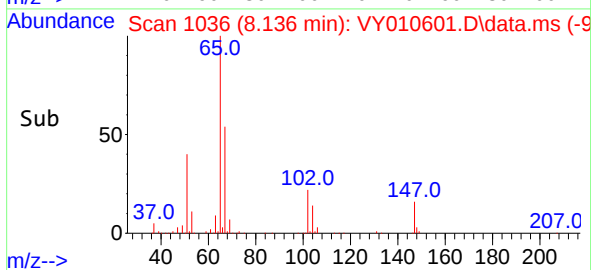
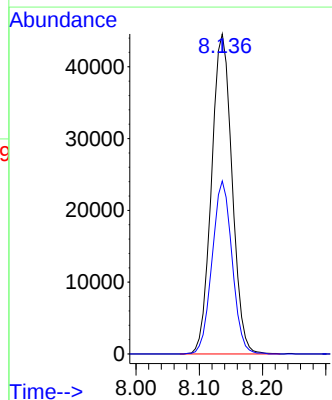
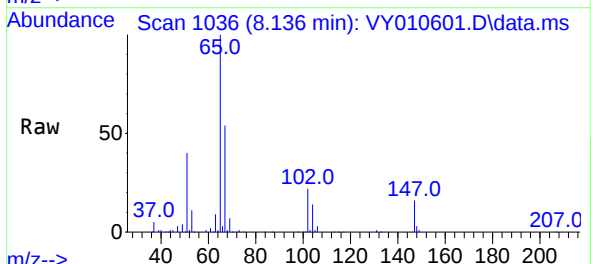


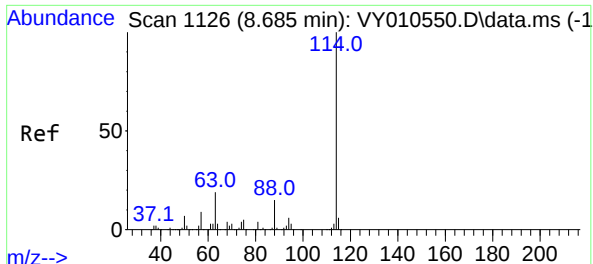
Tgt Ion: 56 Resp: 4125
Ion Ratio Lower Upper
56 100
69 143.7 26.7 40.1#
84 122.1 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 52.588 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010601.D
Acq: 21 Sep 2022 16:08

Tgt Ion: 65 Resp: 100423
Ion Ratio Lower Upper
65 100
67 52.6 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: VY010601.D

Acq: 21 Sep 2022 16:08

Instrument :

MSVOA_Y

ClientSampleId :

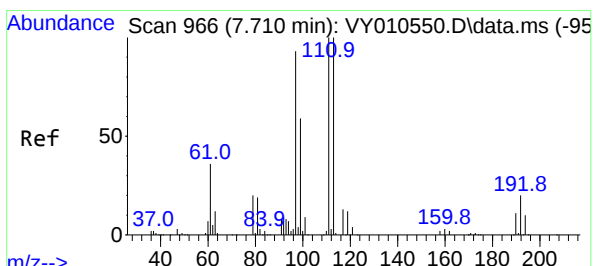
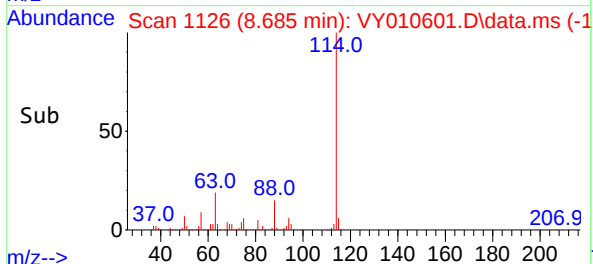
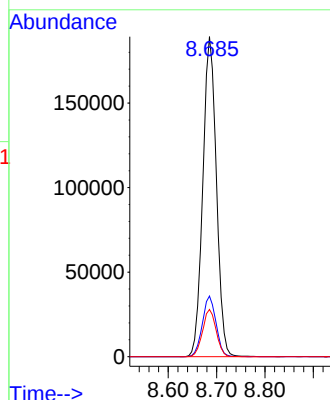
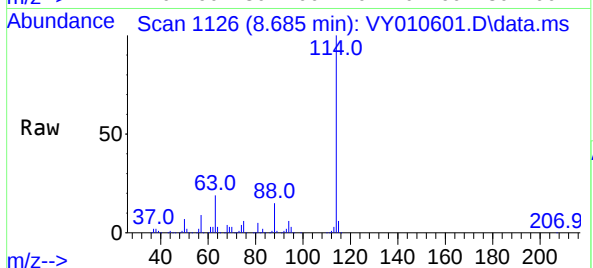
Tgt Ion:114 Resp: 368758

Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 14.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 39.685 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010601.D

Acq: 21 Sep 2022 16:08

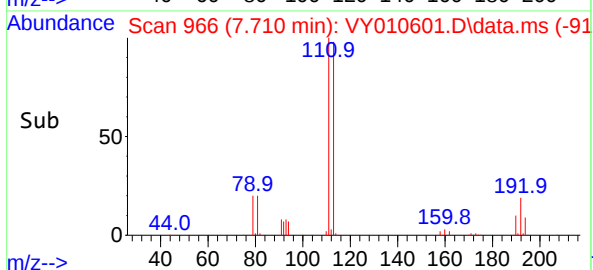
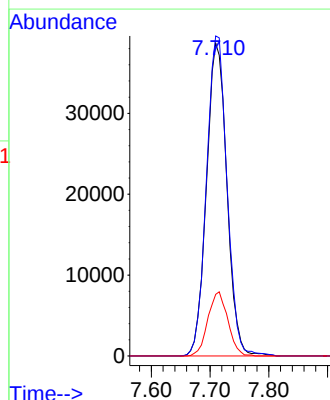
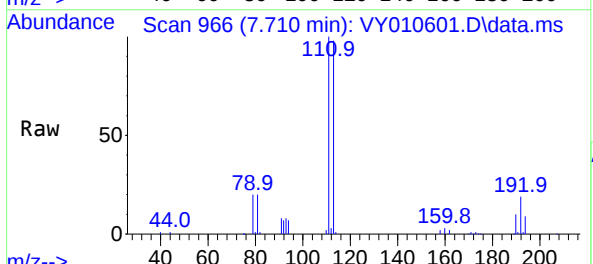
Tgt Ion:113 Resp: 93395

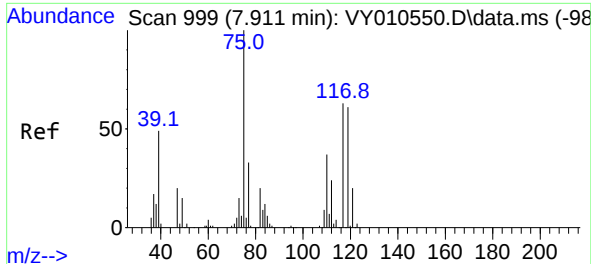
Ion Ratio Lower Upper

113 100

111 102.8 82.6 124.0

192 20.0 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.826 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010601.D

Acq: 21 Sep 2022 16:08

Instrument :

MSVOA_Y

ClientSampleId :

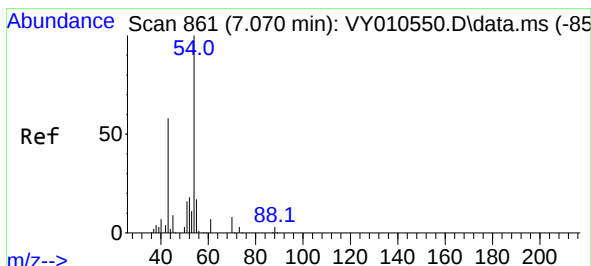
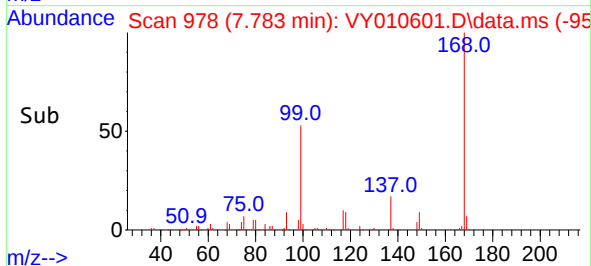
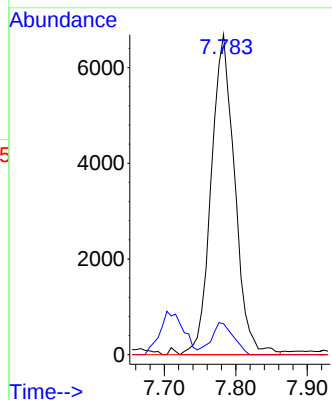
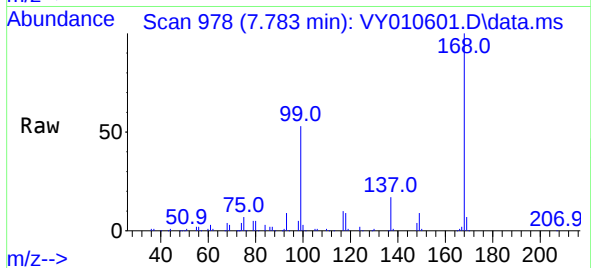
Tgt Ion: 75 Resp: 15277

Ion Ratio Lower Upper

75 100

110 9.4 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.862 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.098 min

Lab File: VY010601.D

Acq: 21 Sep 2022 16:08

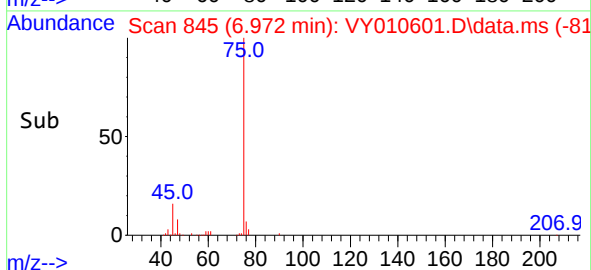
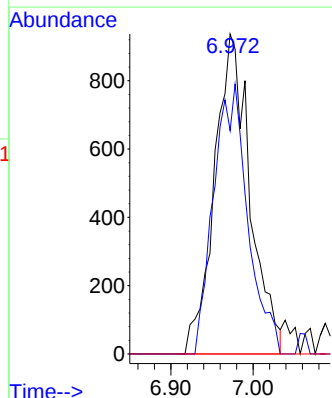
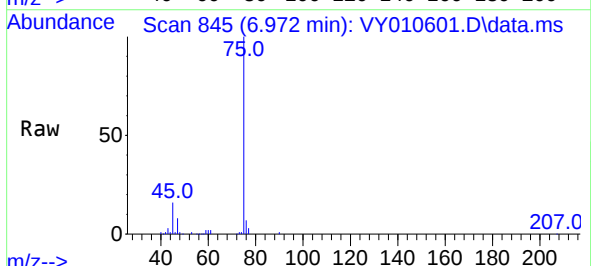
Tgt Ion: 43 Resp: 2820

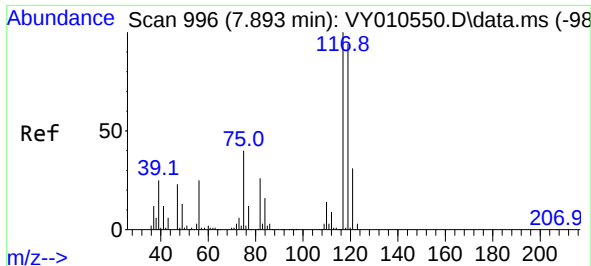
Ion Ratio Lower Upper

43 100

61 80.7 9.7 14.5#

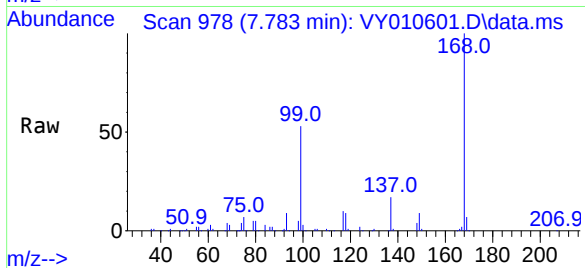
70 0.0 7.1 10.7#



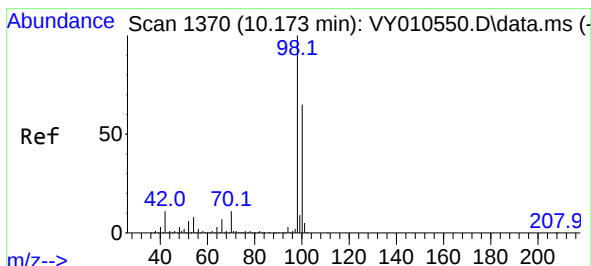
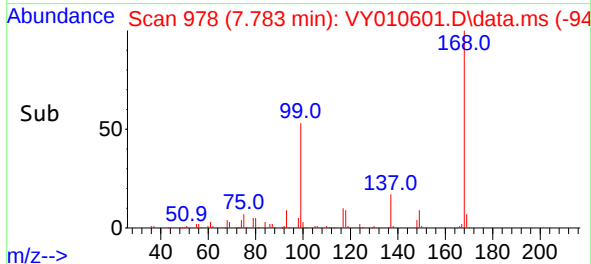
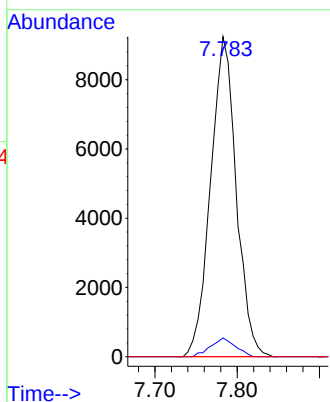


#38
Carbon Tetrachloride
Concen: 6.641 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010601.D
Acq: 21 Sep 2022 16:08

Instrument :
MSVOA_Y
ClientSampleId :

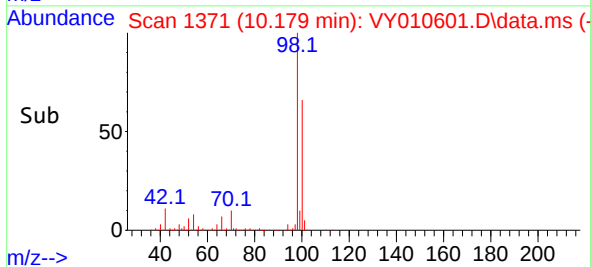
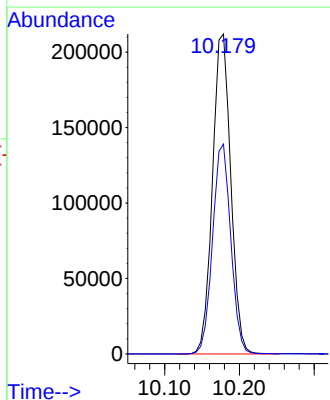
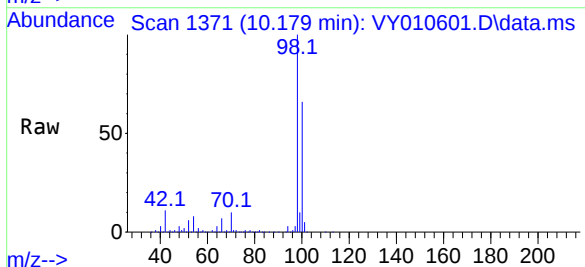


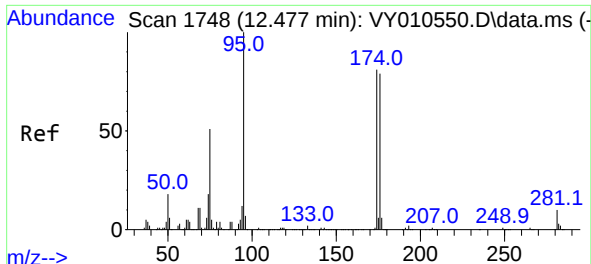
Tgt Ion:117 Resp: 20022
Ion Ratio Lower Upper
117 100
119 5.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 42.101 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010601.D
Acq: 21 Sep 2022 16:08

Tgt Ion: 98 Resp: 361606
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2

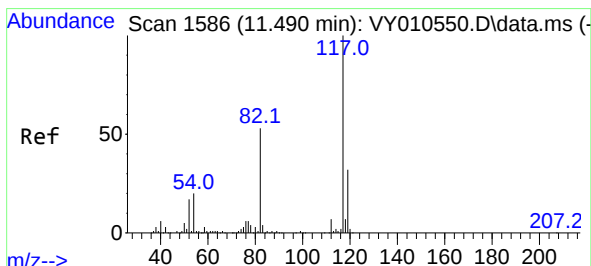
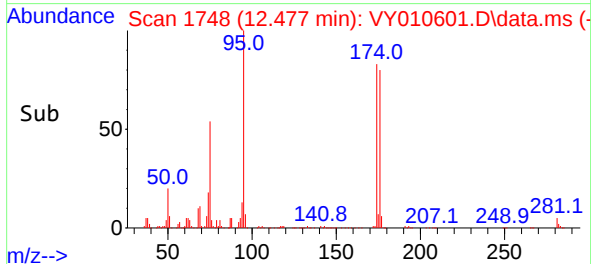
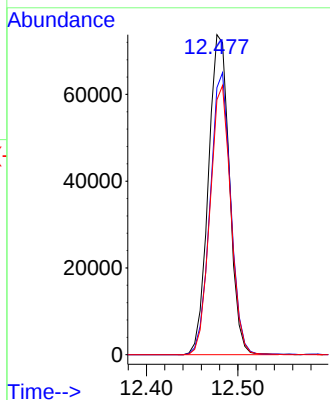
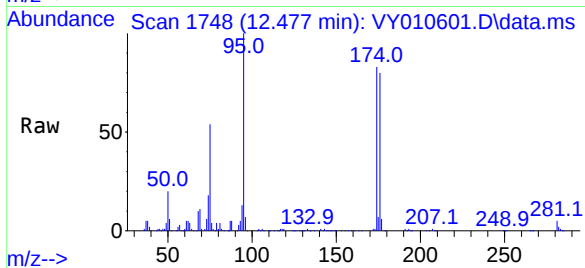




#62
4-Bromofluorobenzene
Concen: 35.660 ug/l
RT: 12.477 min Scan# 117610
Delta R.T. 0.000 min
Lab File: VY010601.D
Acq: 21 Sep 2022 16:08

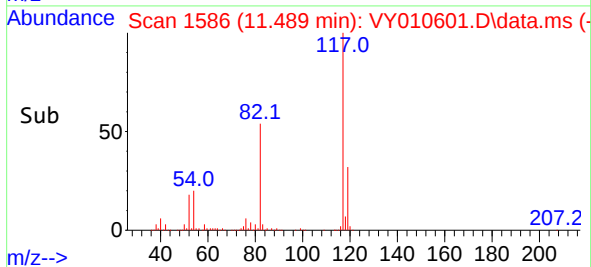
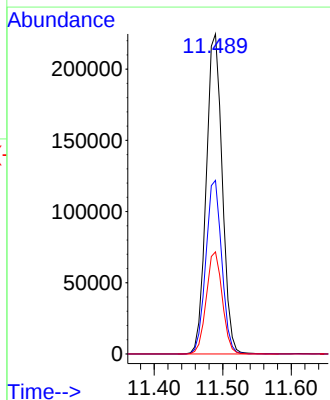
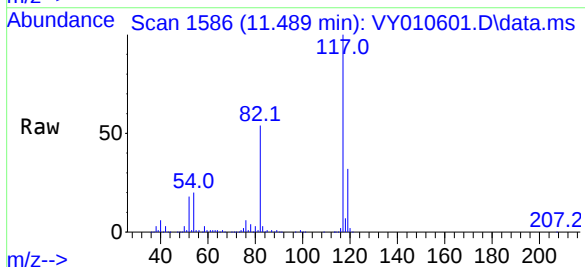
Instrument :
MSVOA_Y
ClientSampleId :

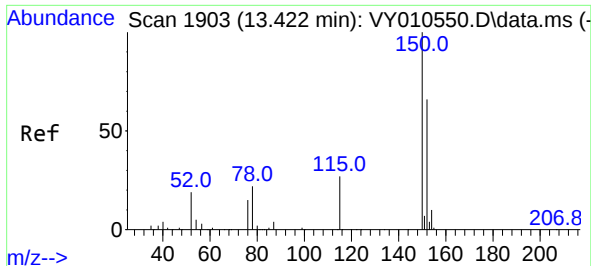
Tgt Ion: 95 Resp: 117610
Ion Ratio Lower Upper
95 100
174 86.6 0.0 177.0
176 82.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010601.D
Acq: 21 Sep 2022 16:08

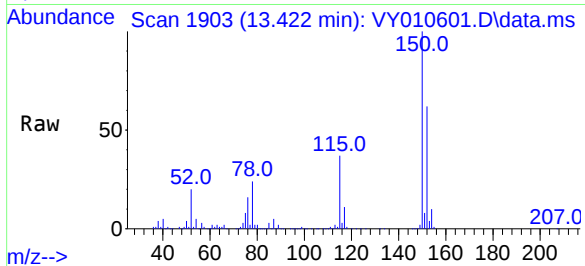
Tgt Ion: 117 Resp: 365996
Ion Ratio Lower Upper
117 100
82 54.2 43.0 64.4
119 31.9 25.4 38.0



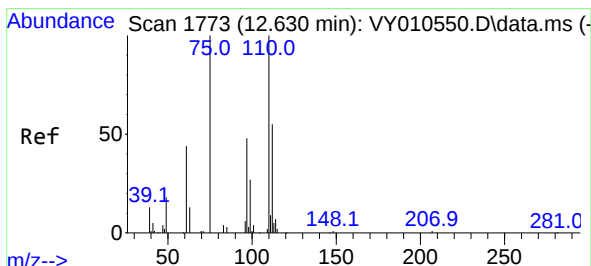
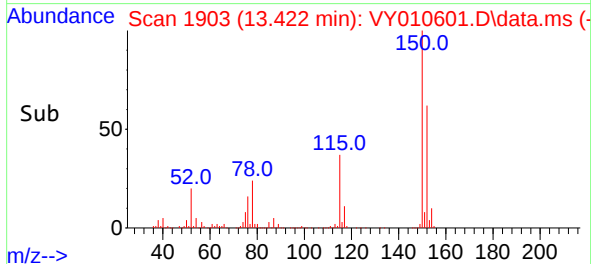
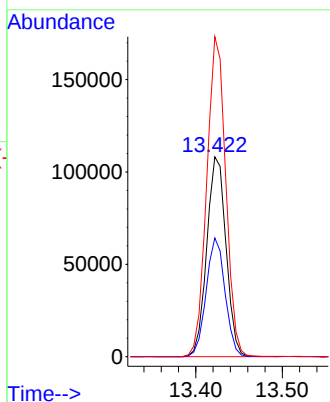


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY010601.D
 Acq: 21 Sep 2022 16:08

Instrument :
 MSVOA_Y
 ClientSampleId :

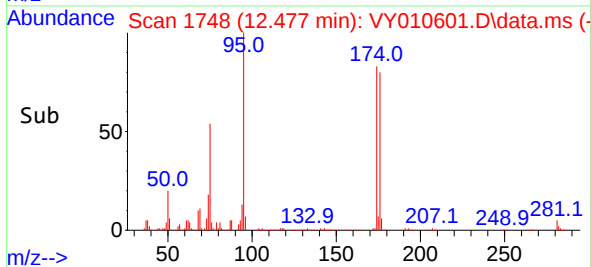
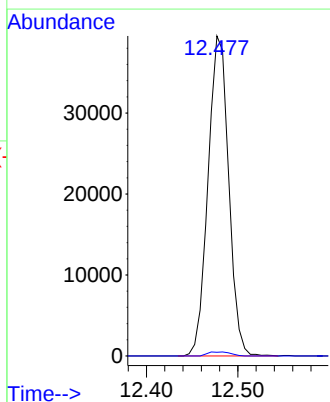
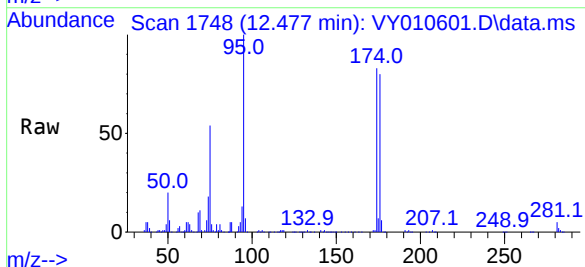


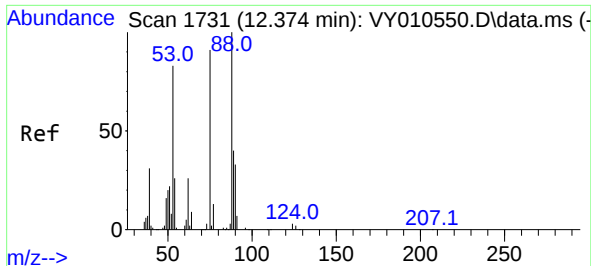
Tgt Ion:152 Resp: 167089
 Ion Ratio Lower Upper
 152 100
 115 58.2 28.2 84.7
 150 158.1 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 38.840 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY010601.D
 Acq: 21 Sep 2022 16:08

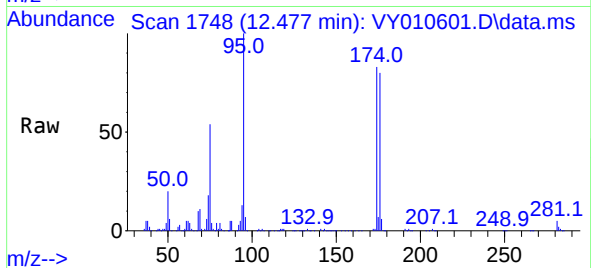
Tgt Ion: 75 Resp: 61940
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.358 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010601.D
 Acq: 21 Sep 2022 16:08

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 61940
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

