

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092722\
 Data File : VY010691.D
 Acq On : 27 Sep 2022 12:36
 Operator : KP/MD
 Sample : N4751-01
 Misc : 11.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 28 01:24:55 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)

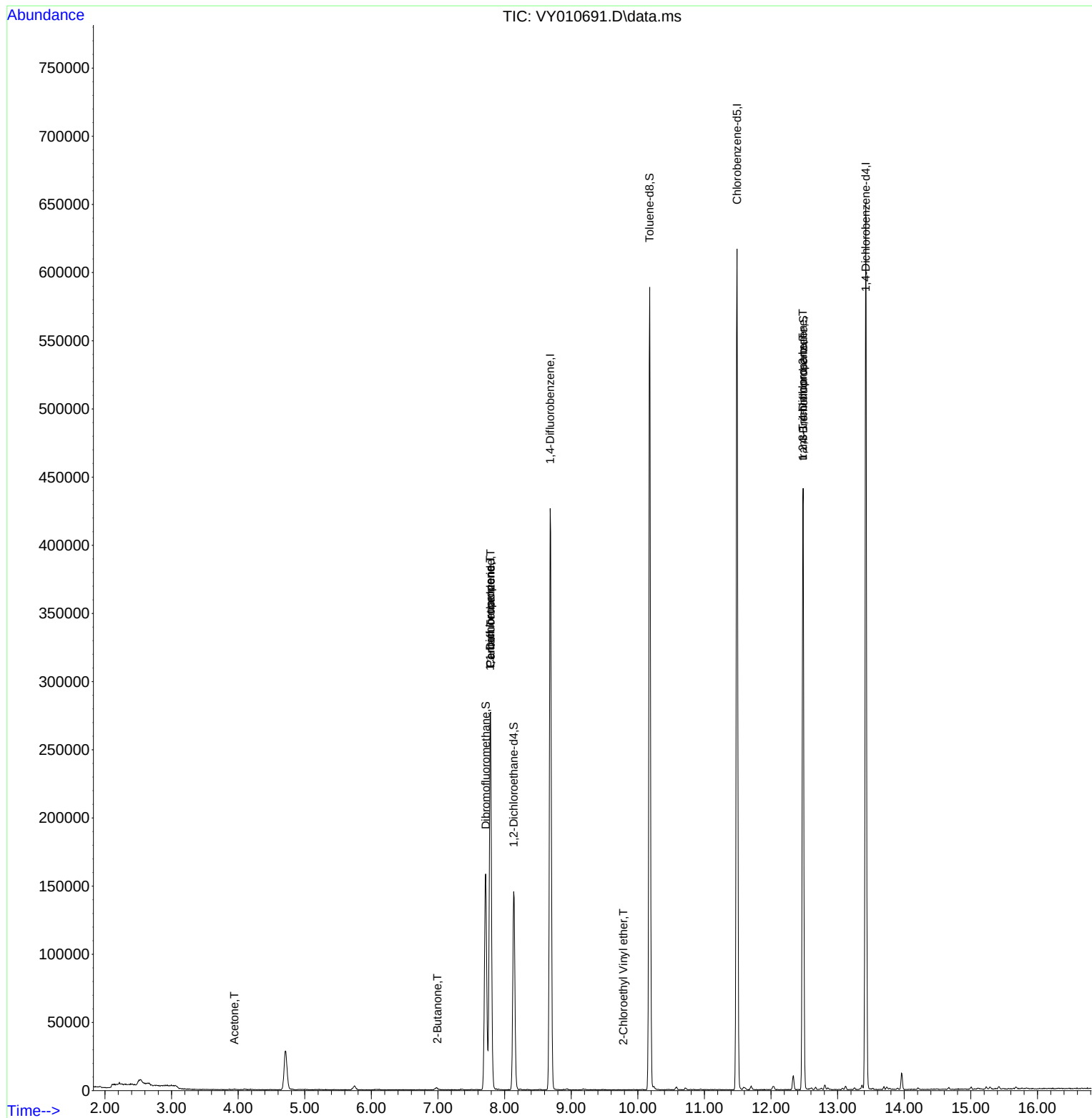
Internal Standards						
1) Pentafluorobenzene	7.789	168	213969	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	361846	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	332417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	157443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	113526	55.472	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.940%
35) Dibromofluoromethane	7.716	113	112087	48.537	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.080%
50) Toluene-d8	10.179	98	375781	44.403	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	88.800%
62) 4-Bromofluorobenzene	12.483	95	133820	41.806	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	83.620%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	132	Below Cal	#	43
3) Chloromethane	2.113	50	693	Below Cal		96
4) Vinyl Chloride	2.253	62	51	Below Cal	#	43
5) Bromomethane	2.656	94	477	Below Cal		86
11) Tert butyl alcohol	4.948	59	329	Below Cal	#	77
16) Acetone	3.942	43	742	1.778	ug/l	100
17) Carbon Disulfide	4.186	76	185	Below Cal	#	75
18) Methyl Acetate	4.497	43	48	Below Cal	#	56
20) Methylene Chloride	4.716	84	22249	Below Cal	#	83
25) 2-Butanone	6.990	43	743	1.138	ug/l	96
31) Cyclohexane	7.783	56	4573	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	16636	6.465	ug/l #	51
38) Carbon Tetrachloride	7.789	117	21859	7.388	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.783	63	52	20.514	ug/l #	48
76) 1,2,3-Trichloropropane	12.477	75	69275	46.101	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	69275	102.502	ug/l #	7

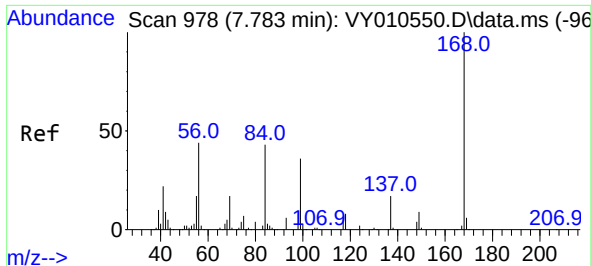
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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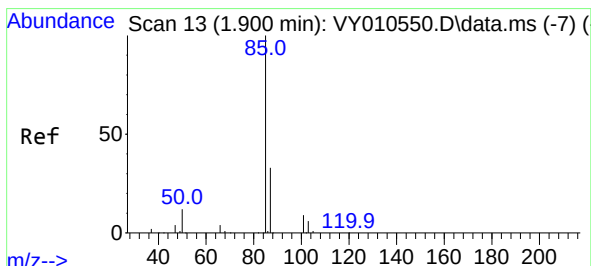
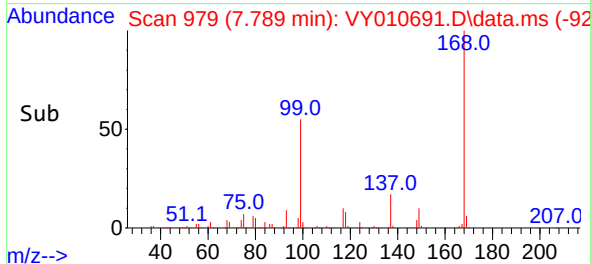
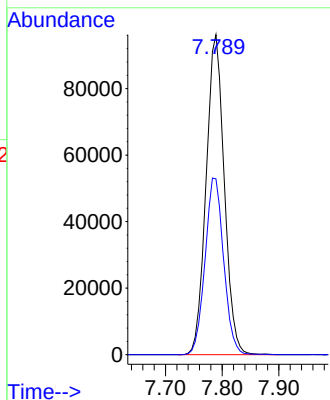
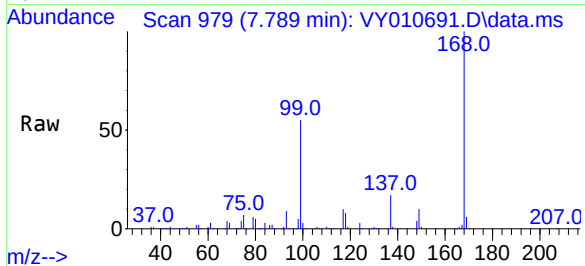




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010691.D
Acq: 27 Sep 2022 12:36

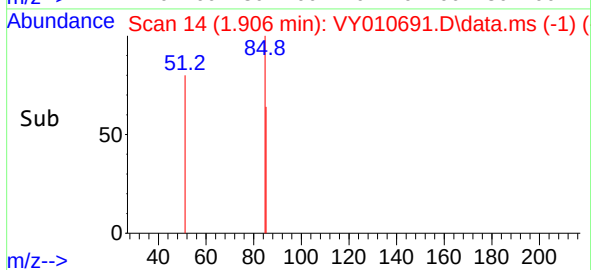
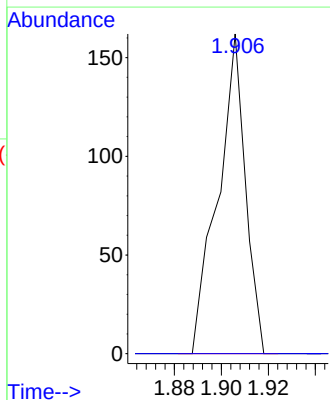
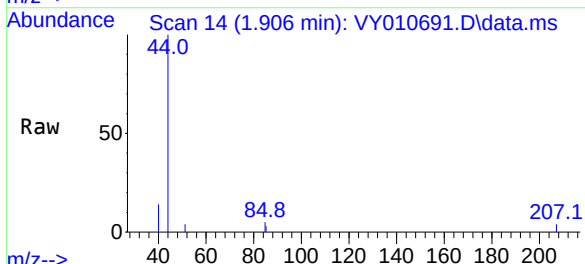
Instrument :
MSVOA_Y
ClientSampleId :

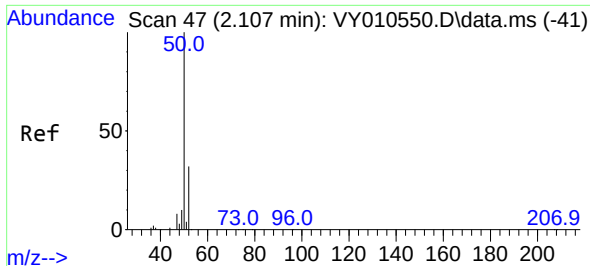
Tgt Ion:168 Resp: 213969
Ion Ratio Lower Upper
168 100
99 54.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY010691.D
Acq: 27 Sep 2022 12:36

Tgt Ion: 85 Resp: 132
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

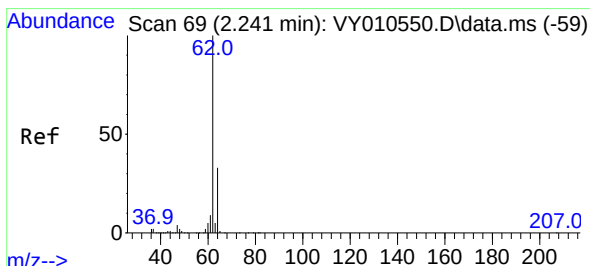
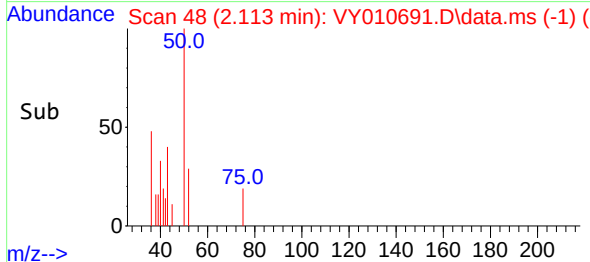
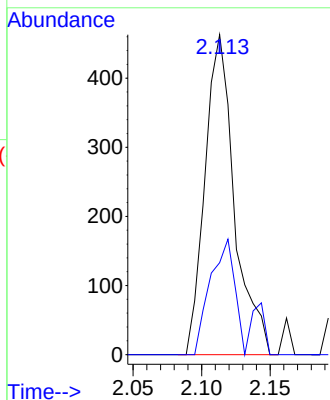
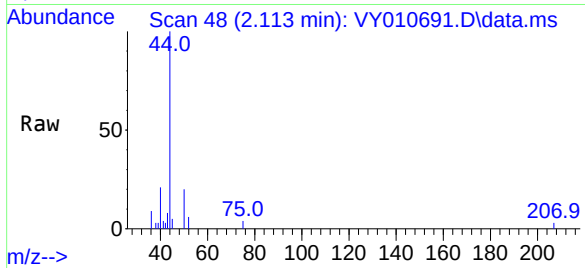




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010691.D
Acq: 27 Sep 2022 12:36

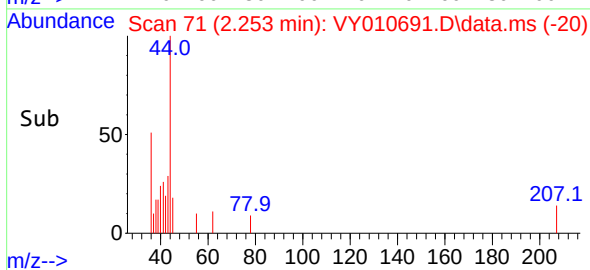
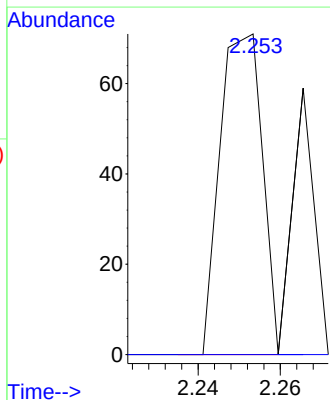
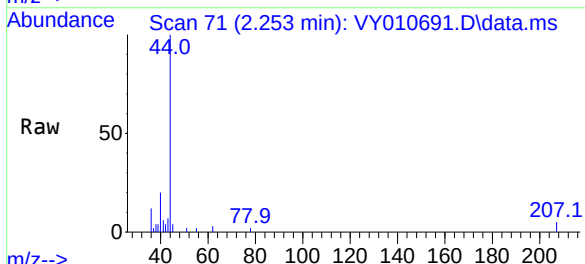
Instrument :
MSVOA_Y
ClientSampleId :

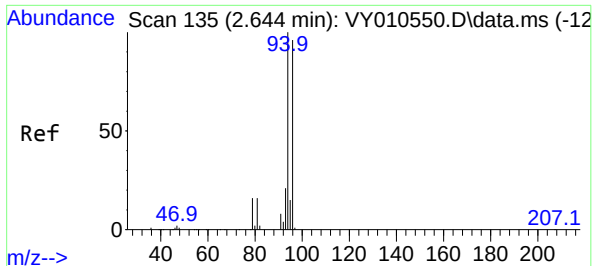
Tgt Ion: 50 Resp: 693
Ion Ratio Lower Upper
50 100
52 28.7 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.253 min Scan# 71
Delta R.T. 0.012 min
Lab File: VY010691.D
Acq: 27 Sep 2022 12:36

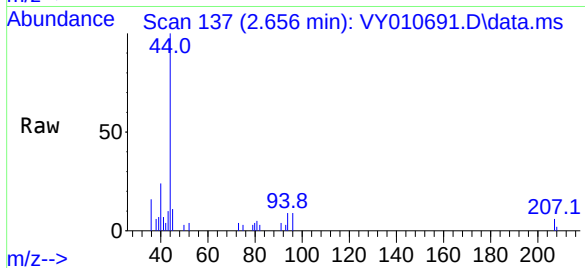
Tgt Ion: 62 Resp: 51
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#



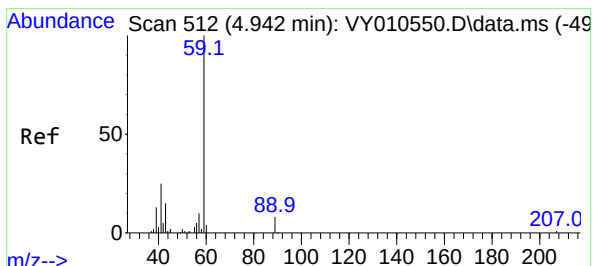
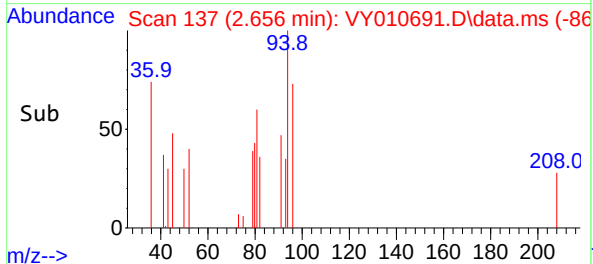
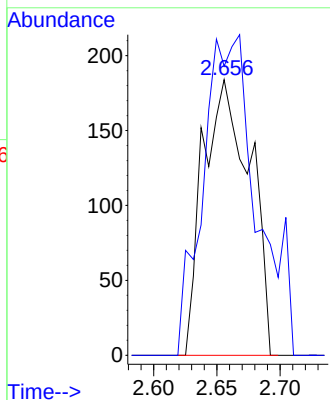


#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010691.D
Acq: 27 Sep 2022 12:36

Instrument :
MSVOA_Y
ClientSampleId :

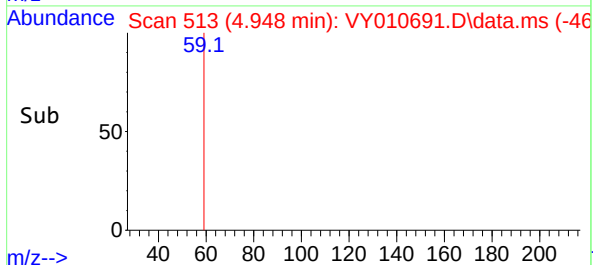
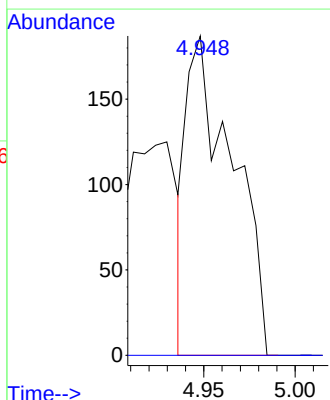
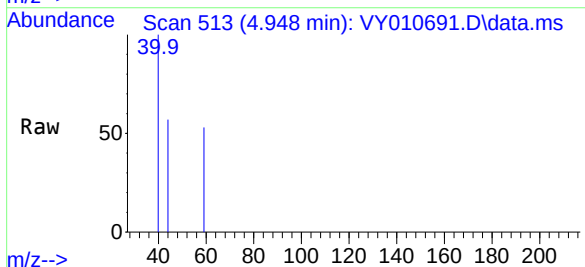


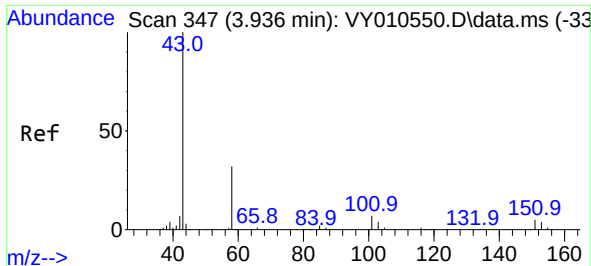
Tgt Ion: 94 Resp: 477
Ion Ratio Lower Upper
94 100
96 104.9 73.5 110.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. 0.006 min
Lab File: VY010691.D
Acq: 27 Sep 2022 12:36

Tgt Ion: 59 Resp: 329
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

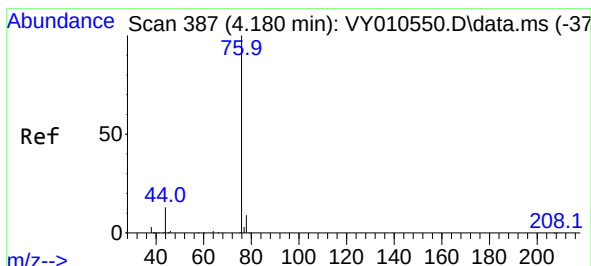
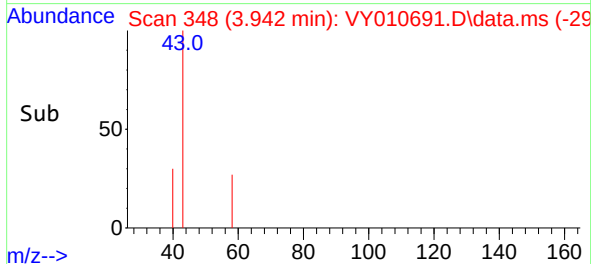
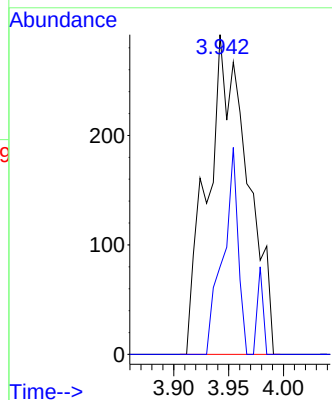
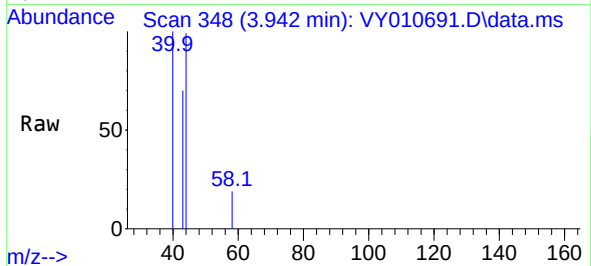




#16
Acetone
Concen: 1.778 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY010691.D
Acq: 27 Sep 2022 12:36

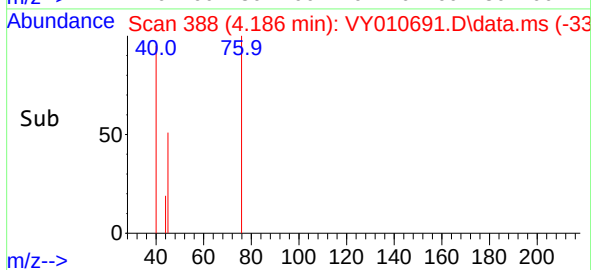
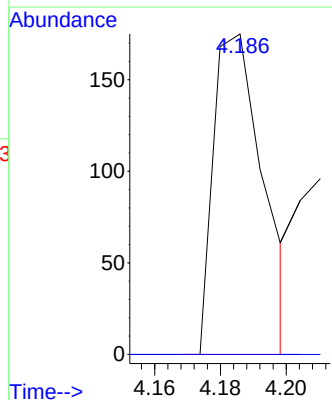
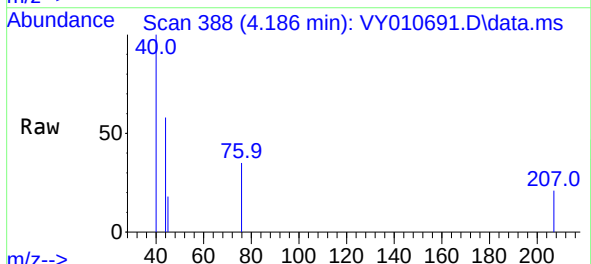
Instrument :
MSVOA_Y
ClientSampleId :

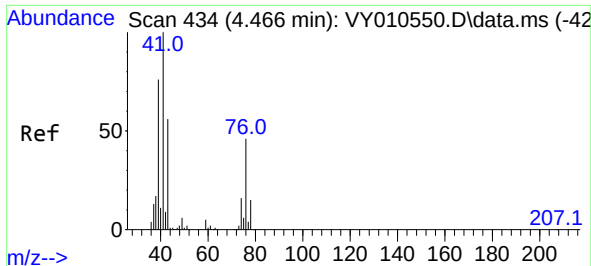
Tgt Ion: 43 Resp: 742
Ion Ratio Lower Upper
43 100
58 27.4 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 388
Delta R.T. 0.006 min
Lab File: VY010691.D
Acq: 27 Sep 2022 12:36

Tgt Ion: 76 Resp: 185
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

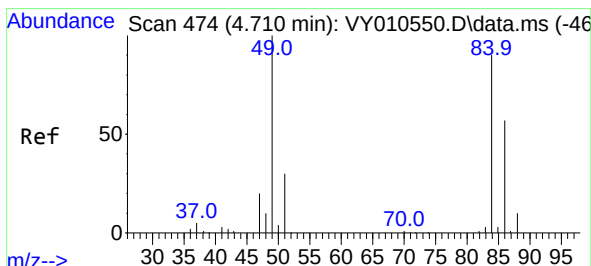
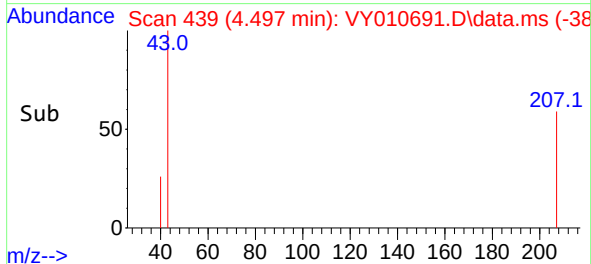
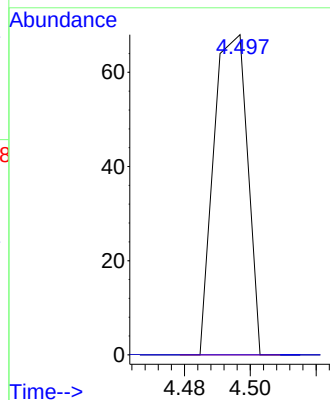
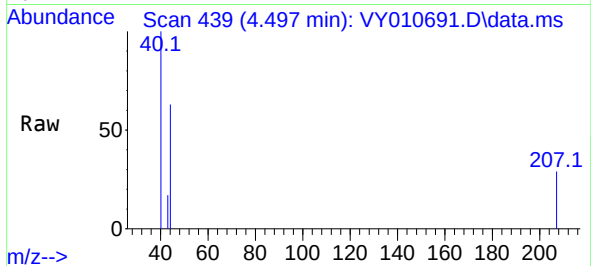




#18
Methyl Acetate
Concen: Below Cal
RT: 4.497 min Scan# 41
Delta R.T. 0.031 min
Lab File: VY010691.D
Acq: 27 Sep 2022 12:36

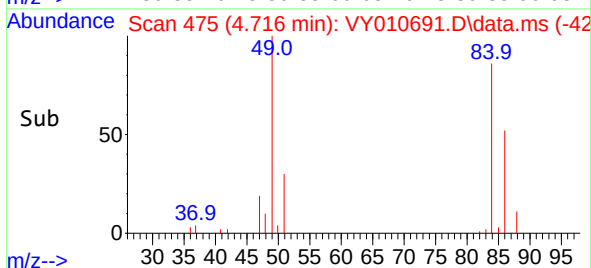
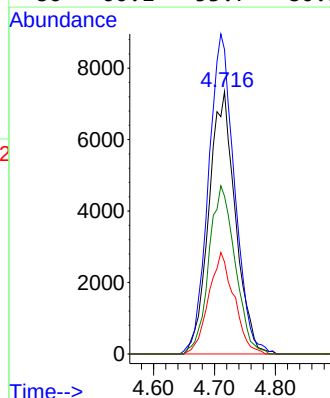
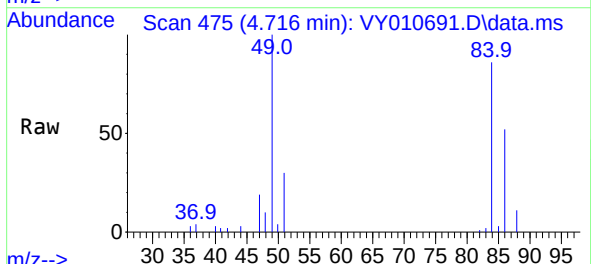
Instrument :
MSVOA_Y
ClientSampleId :

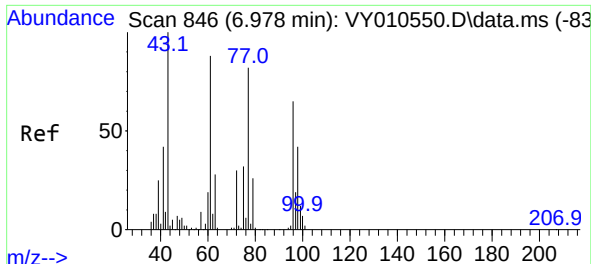
Tgt Ion: 43 Resp: 48
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY010691.D
Acq: 27 Sep 2022 12:36

Tgt Ion: 84 Resp: 22249
Ion Ratio Lower Upper
84 100
49 116.0 114.4 171.6
51 35.1 35.3 52.9#
86 60.1 53.7 80.5





#25

2-Butanone

Concen: 1.138 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.012 min

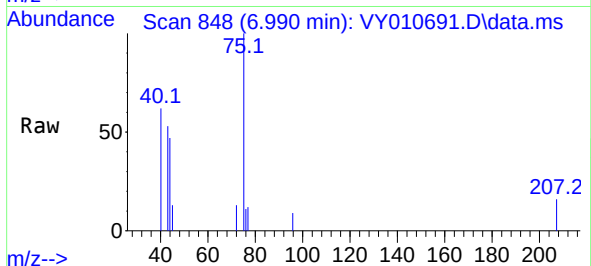
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Acq: 27 Sep 2022 12:36

Instrument :

MSVOA_Y

ClientSampleId :

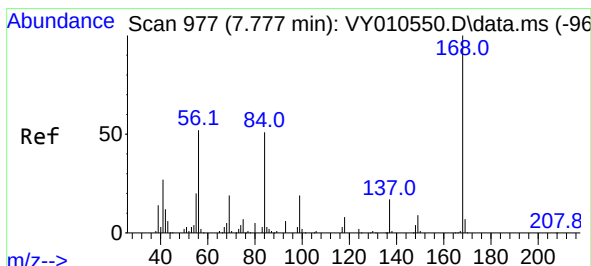
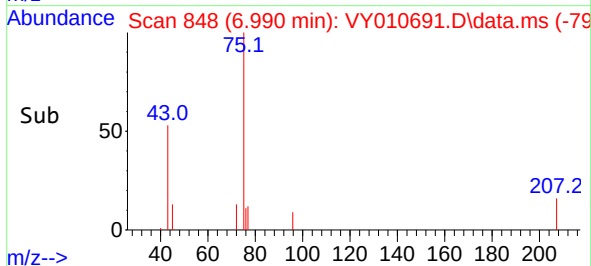
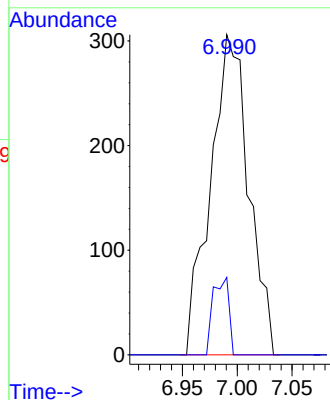


Tgt Ion: 43 Resp: 743

Ion Ratio Lower Upper

43 100

72 24.2 17.7 26.5



#31

Cyclohexane

Concen: Below Cal

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY010691.D

Acq: 27 Sep 2022 12:36

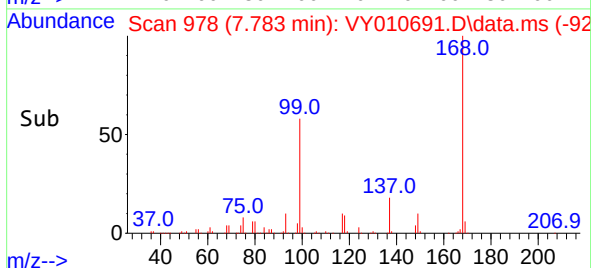
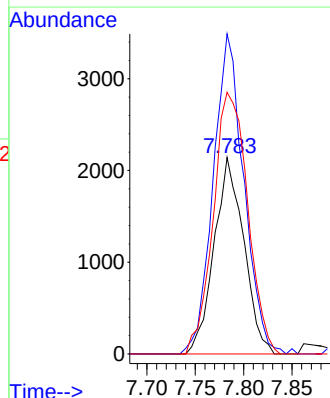
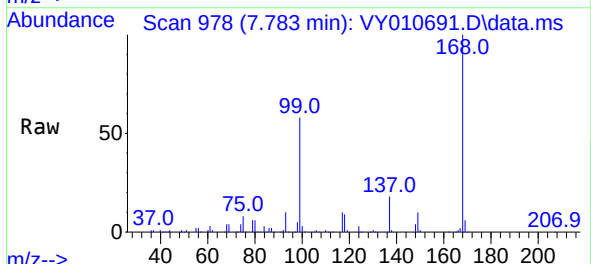
Tgt Ion: 56 Resp: 4573

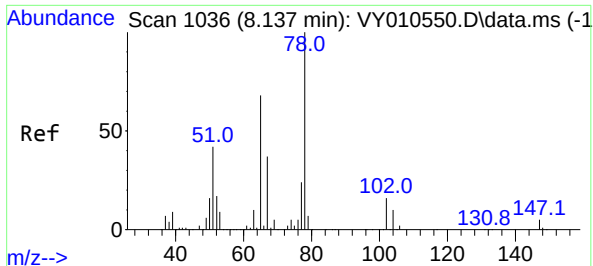
Ion Ratio Lower Upper

56 100

69 162.8 26.7 40.1#

84 133.1 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 55.472 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.001 min

Lab File: VY010691.D

Acq: 27 Sep 2022 12:36

Instrument :

MSVOA_Y

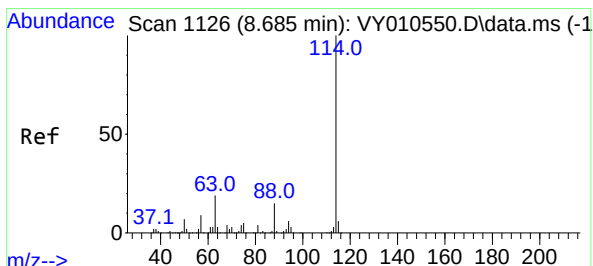
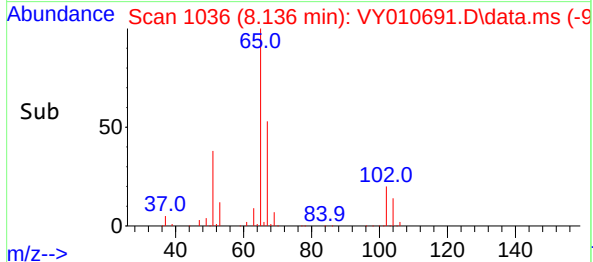
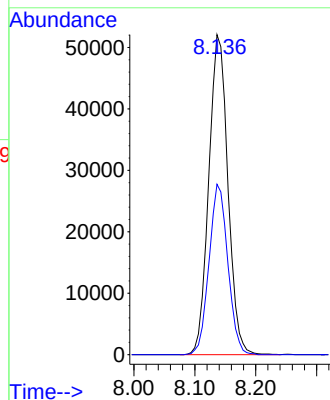
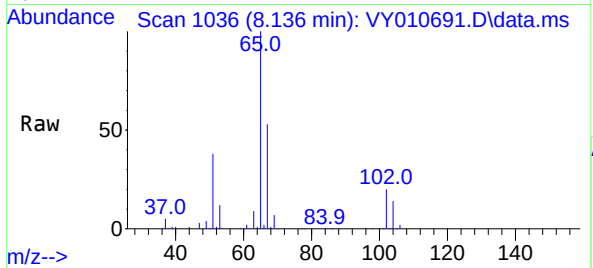
ClientSampleId :

Tgt Ion: 65 Resp: 113526

Ion Ratio Lower Upper

65 100

67 52.4 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: VY010691.D

Acq: 27 Sep 2022 12:36

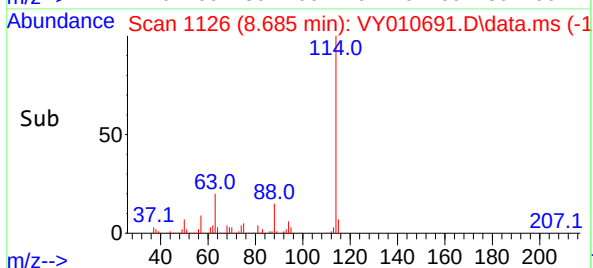
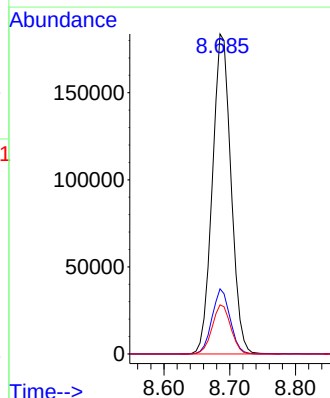
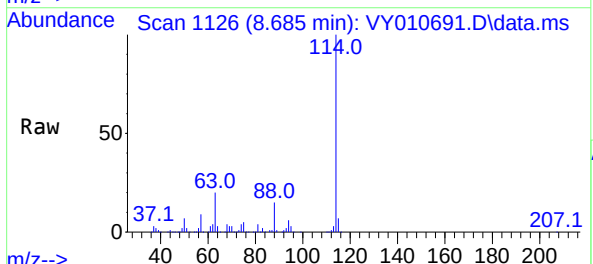
Tgt Ion:114 Resp: 361846

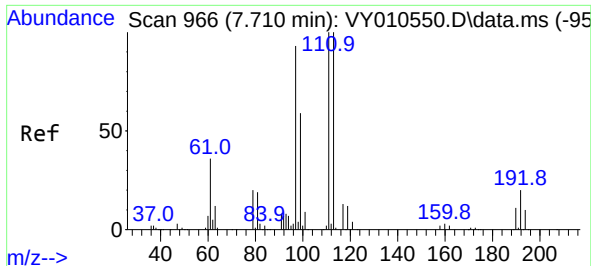
Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.2

88 15.3 0.0 31.8

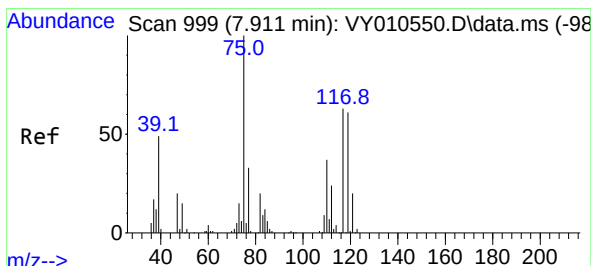
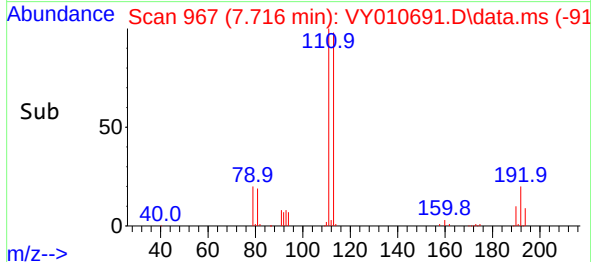
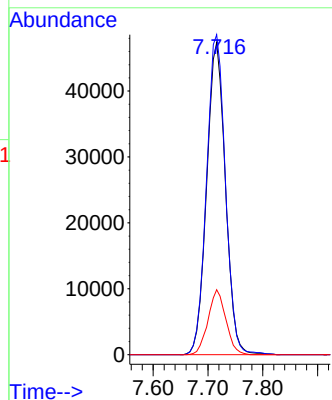
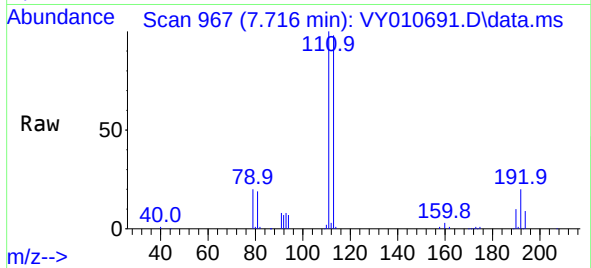




#35
Dibromofluoromethane
Concen: 48.537 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010691.D
Acq: 27 Sep 2022 12:36

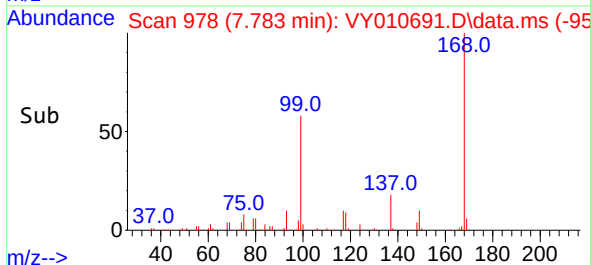
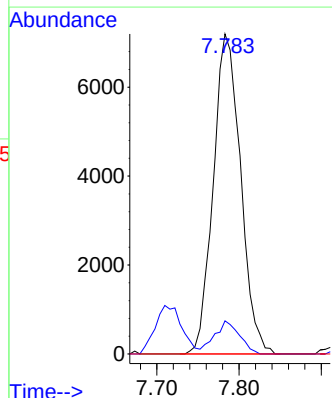
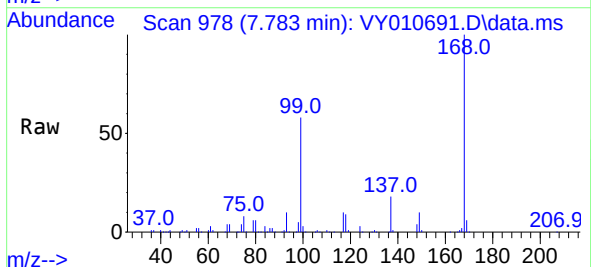
Instrument :
MSVOA_Y
ClientSampleId :

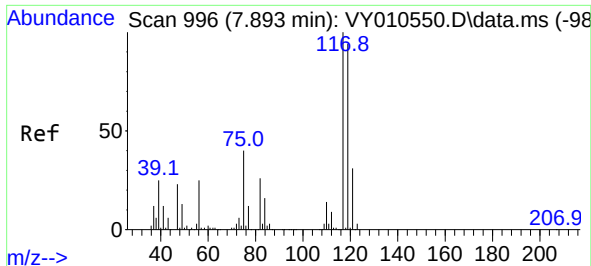
Tgt Ion:113 Resp: 112087
Ion Ratio Lower Upper
113 100
111 103.3 82.6 124.0
192 19.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 6.465 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010691.D
Acq: 27 Sep 2022 12:36

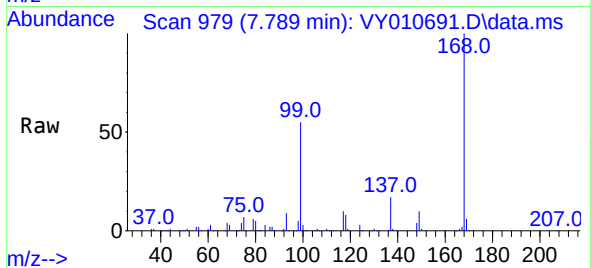
Tgt Ion: 75 Resp: 16636
Ion Ratio Lower Upper
75 100
110 9.4 17.1 51.2#
77 0.0 24.4 36.6#



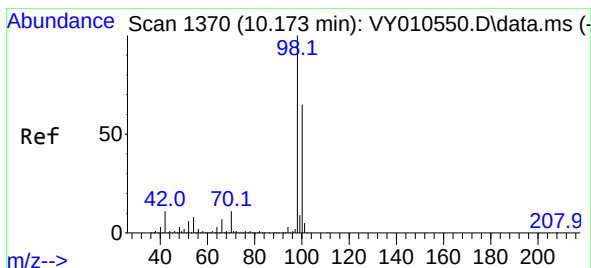
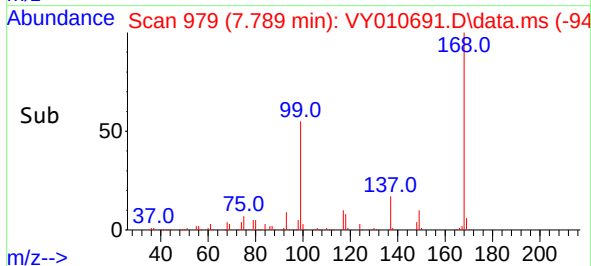
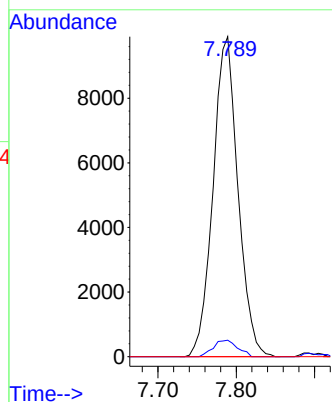


#38
Carbon Tetrachloride
Concen: 7.388 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY010691.D
Acq: 27 Sep 2022 12:36

Instrument :
MSVOA_Y
ClientSampleId :

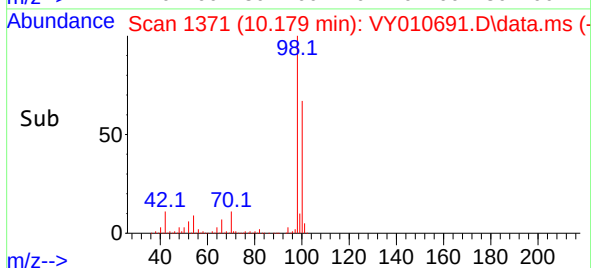
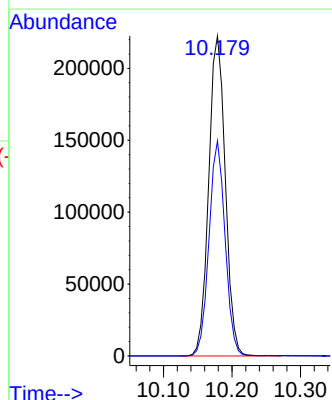
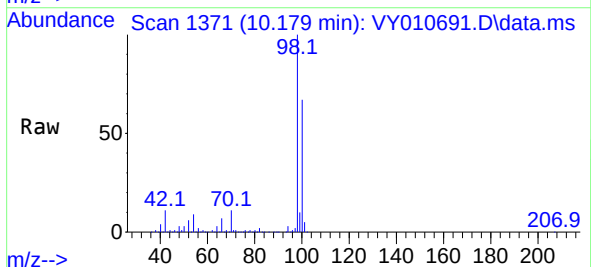


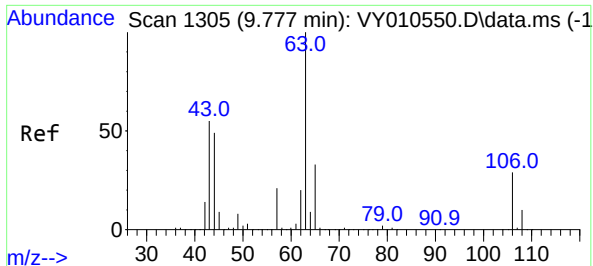
Tgt Ion:117 Resp: 21859
Ion Ratio Lower Upper
117 100
119 5.1 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 44.403 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010691.D
Acq: 27 Sep 2022 12:36

Tgt Ion: 98 Resp: 375781
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2

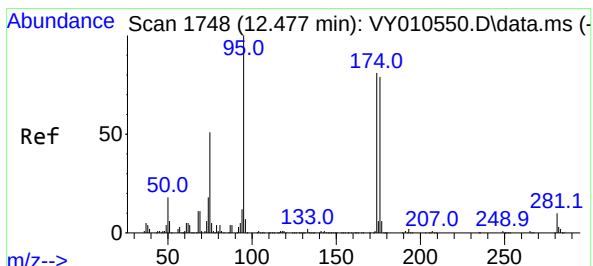
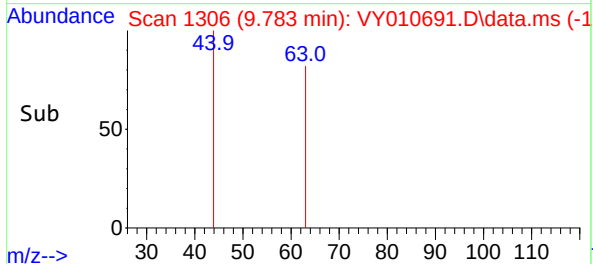
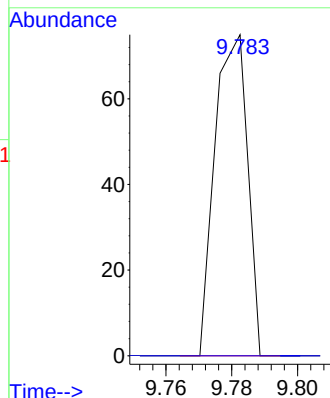
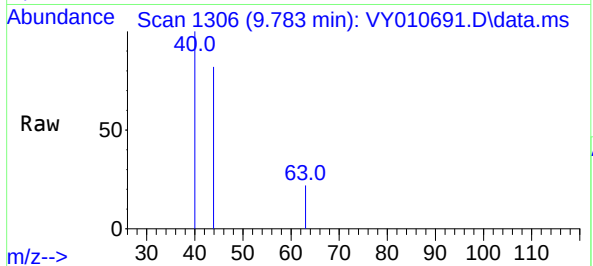




#58
2-Chloroethyl Vinyl ether
Concen: 20.514 ug/l
RT: 9.783 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010691.D
Acq: 27 Sep 2022 12:36

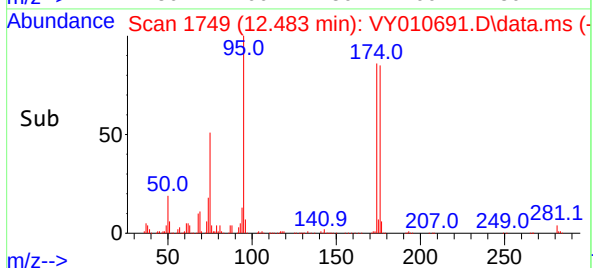
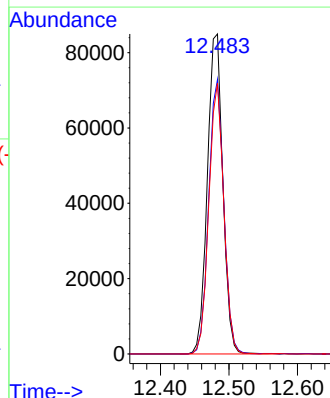
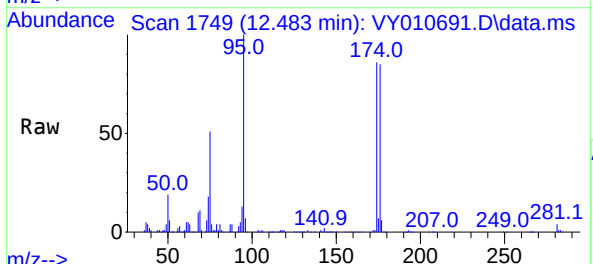
Instrument :
MSVOA_Y
ClientSampleId :

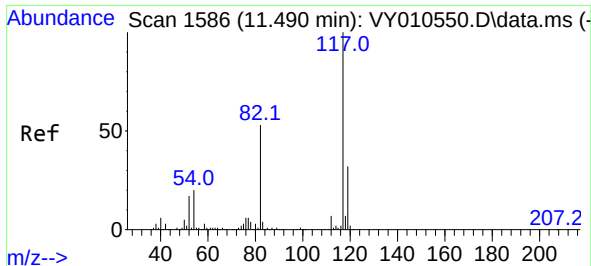
Tgt Ion: 63 Resp: 52
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#



#62
4-Bromofluorobenzene
Concen: 41.806 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010691.D
Acq: 27 Sep 2022 12:36

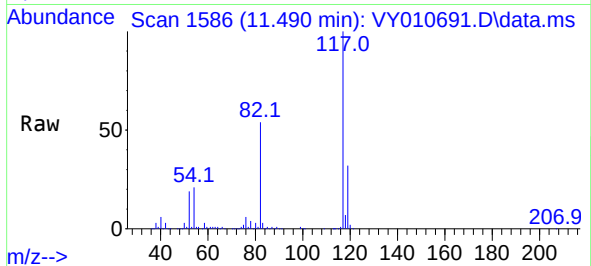
Tgt Ion: 95 Resp: 133820
Ion Ratio Lower Upper
95 100
174 83.8 0.0 177.0
176 81.7 0.0 175.8



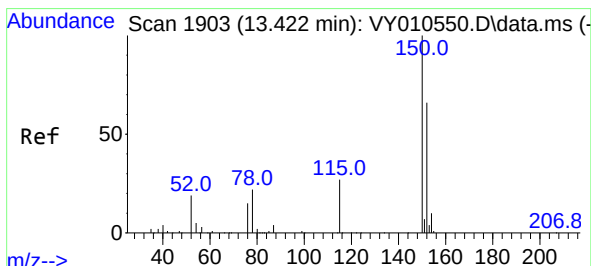
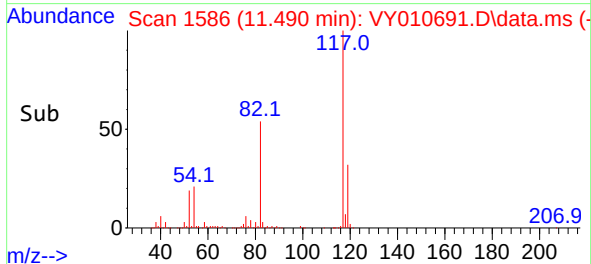
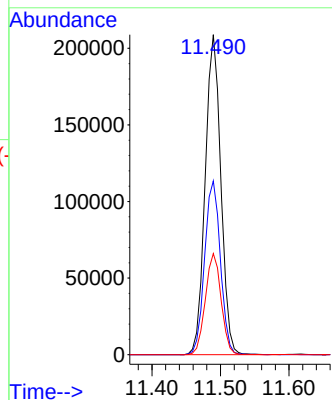


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010691.D
Acq: 27 Sep 2022 12:36

Instrument :
MSVOA_Y
ClientSampleId :

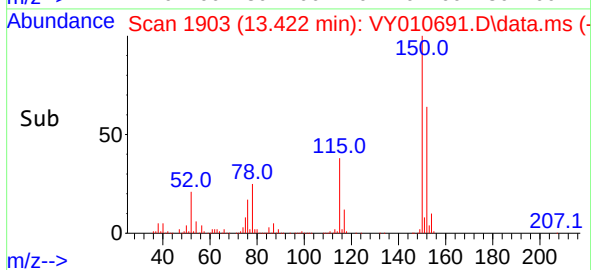
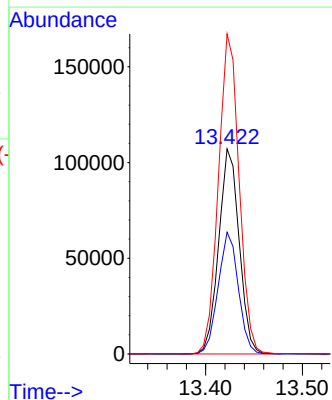
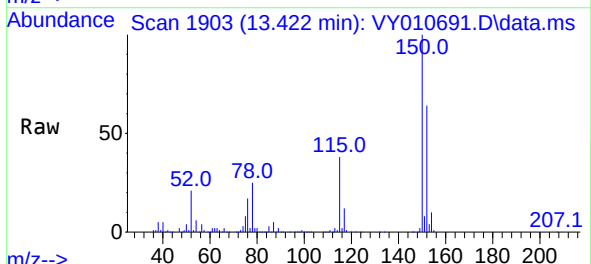


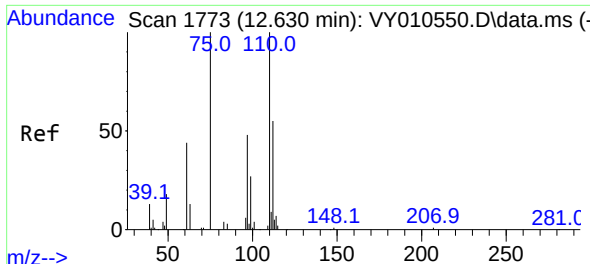
Tgt Ion:117 Resp: 332417
Ion Ratio Lower Upper
117 100
82 54.3 43.0 64.4
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010691.D
Acq: 27 Sep 2022 12:36

Tgt Ion:152 Resp: 157443
Ion Ratio Lower Upper
152 100
115 58.6 28.2 84.7
150 157.7 0.0 347.6

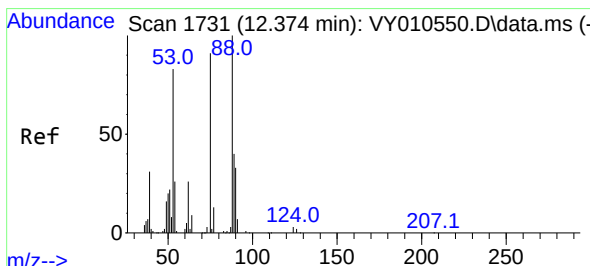
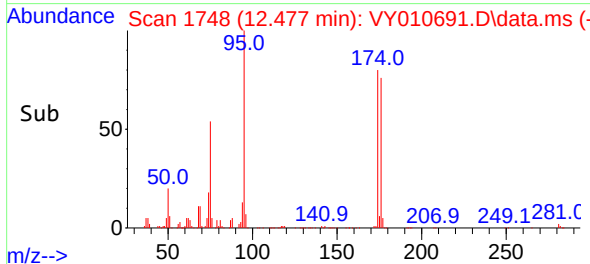
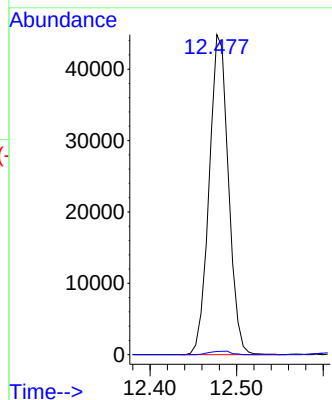
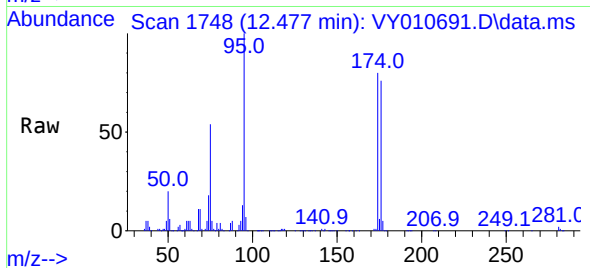




#76
1,2,3-Trichloropropane
Concen: 46.101 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010691.D
Acq: 27 Sep 2022 12:36

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 69275
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.502 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010691.D
Acq: 27 Sep 2022 12:36

Tgt Ion: 75 Resp: 69275
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#

