

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011172.D
 Acq On : 28 Oct 2022 22:13
 Operator : KP/MD
 Sample : VY1028SBL02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1028SBL02

Quant Time: Oct 28 23:48:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 23:42:14 2022
 Response via : Initial Calibration

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

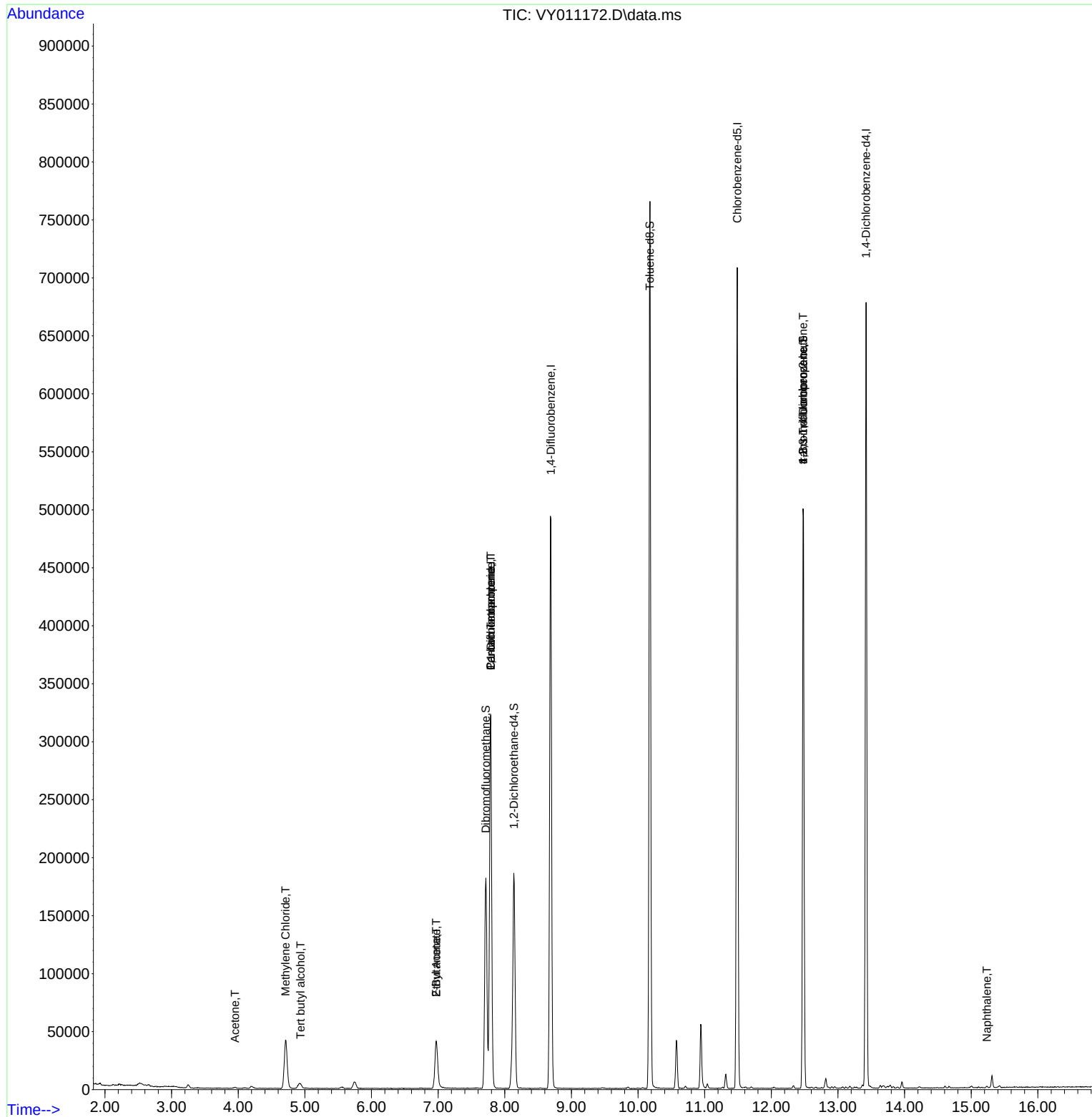
Internal Standards						
1) Pentafluorobenzene	7.789	168	250765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	440626	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	393440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	175037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	135967	52.437	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.880%	
35) Dibromofluoromethane	7.716	113	132403	48.863	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.720%	
50) Toluene-d8	10.179	98	507443	47.270	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.540%	
62) 4-Bromofluorobenzene	12.477	95	156633	44.593	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 89.180%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	144	Below Cal	#	43
3) Chloromethane	2.113	50	368	Below Cal	#	84
4) Vinyl Chloride	2.424	62	64	Below Cal	#	43
5) Bromomethane	2.662	94	549	Below Cal		99
6) Chloroethane	2.522	64	47	Below Cal	#	43
11) Tert butyl alcohol	4.936	59	5029	16.041	ug/l #	79
16) Acetone	3.954	43	1694	2.670	ug/l #	73
17) Carbon Disulfide	4.186	76	116	Below Cal	#	75
18) Methyl Acetate	4.686	43	26	Below Cal	#	56
20) Methylene Chloride	4.710	84	33417	6.945	ug/l	84
25) 2-Butanone	6.972	43	2773	3.049	ug/l	92
31) Cyclohexane	7.783	56	4686	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	19393	5.490	ug/l #	50
37) Ethyl Acetate	6.972	43	2773	1.387	ug/l #	1
38) Carbon Tetrachloride	7.789	117	25403	6.602	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	79043	43.435	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	79043	92.241	ug/l #	7
95) Naphthalene	15.233	128	1403	4.558	ug/l #	85

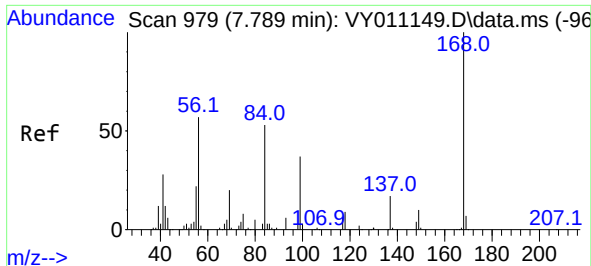
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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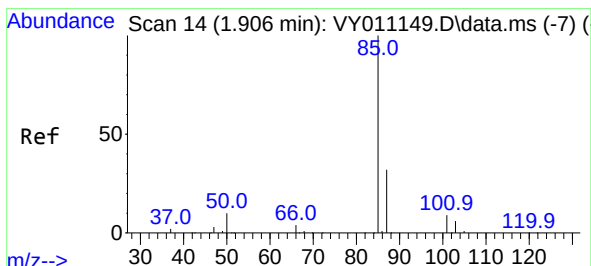
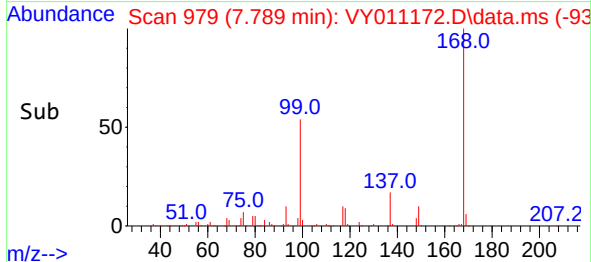
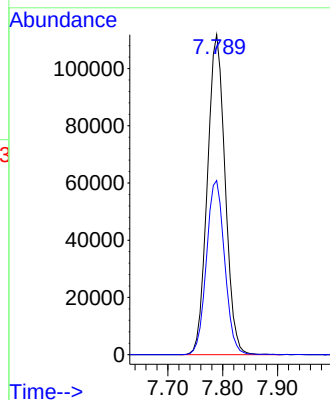
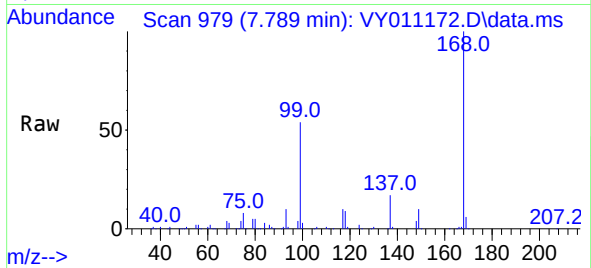




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011172.D
Acq: 28 Oct 2022 22:13

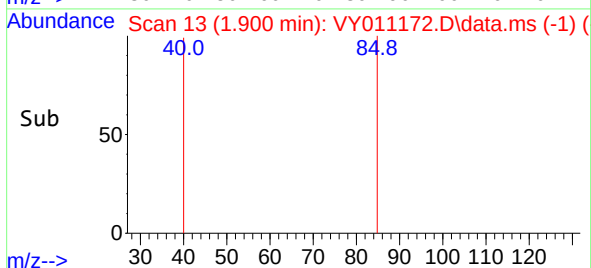
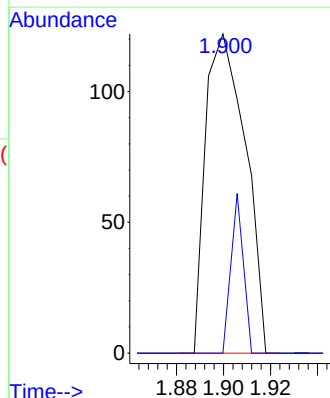
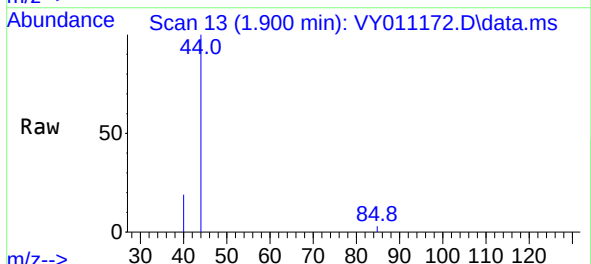
Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL02

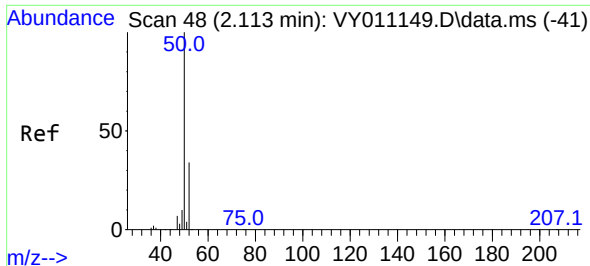
Tgt Ion:168 Resp: 250765
Ion Ratio Lower Upper
168 100
99 54.4 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011172.D
Acq: 28 Oct 2022 22:13

Tgt Ion: 85 Resp: 144
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

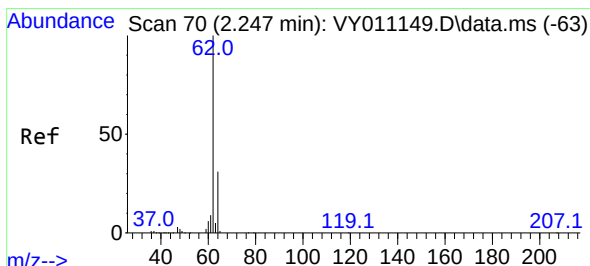
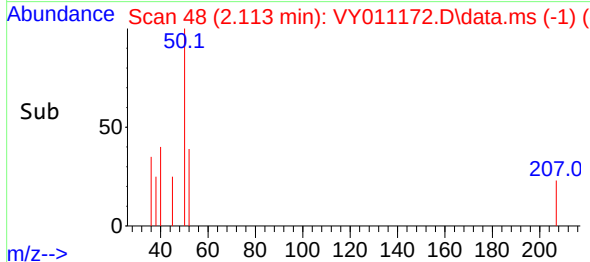
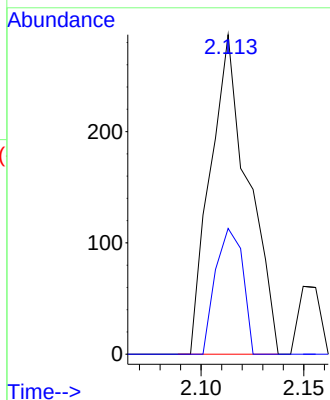
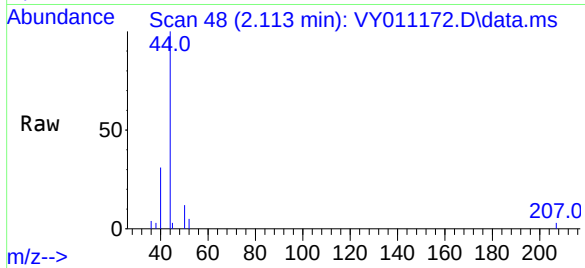




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011172.D
Acq: 28 Oct 2022 22:13

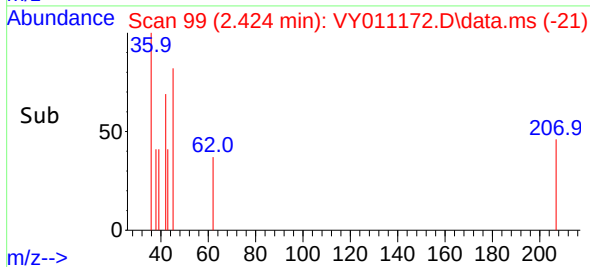
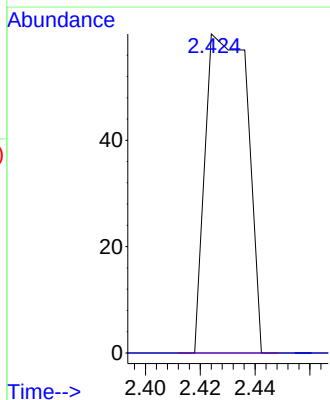
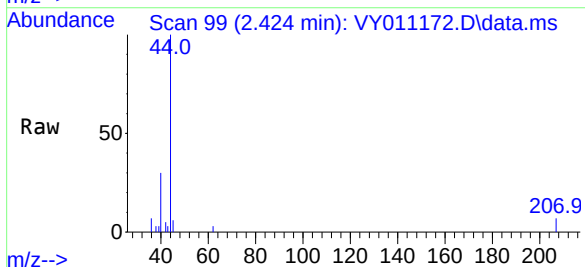
Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL02

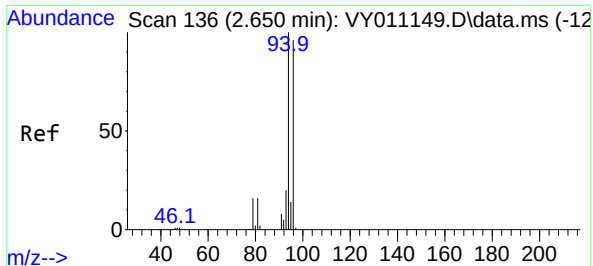
Tgt Ion: 50 Resp: 368
Ion Ratio Lower Upper
50 100
52 39.4 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.424 min Scan# 99
Delta R.T. 0.177 min
Lab File: VY011172.D
Acq: 28 Oct 2022 22:13

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

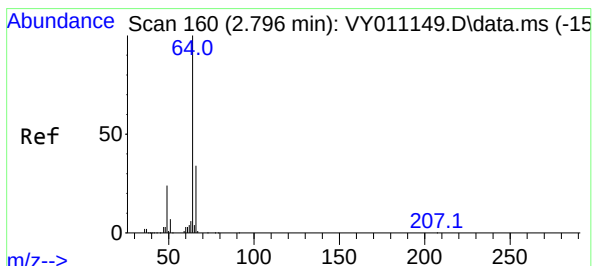
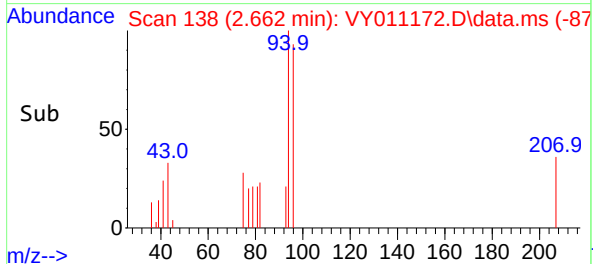
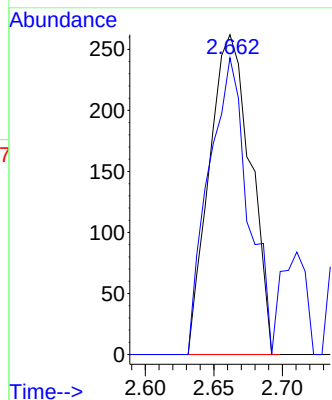
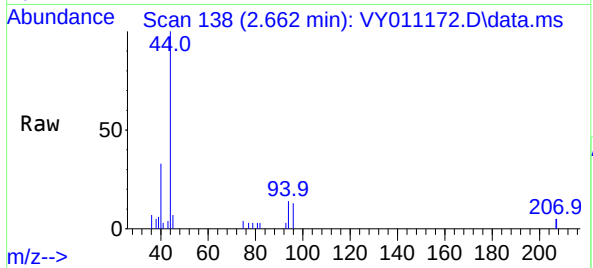




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 115
Delta R.T. 0.012 min
Lab File: VY011172.D
Acq: 28 Oct 2022 22:13

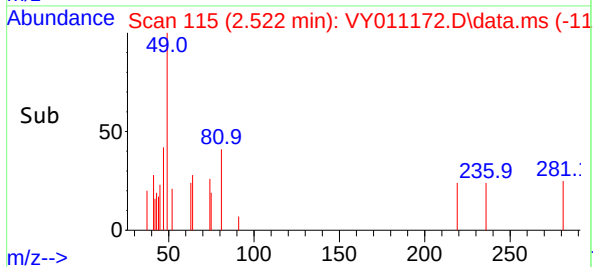
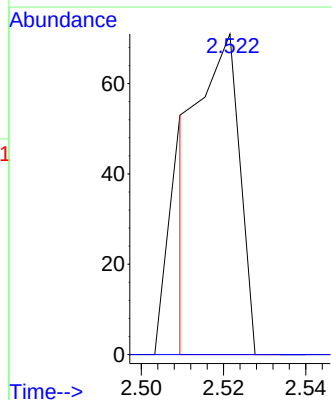
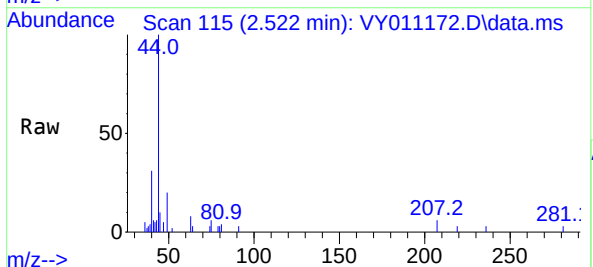
Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL02

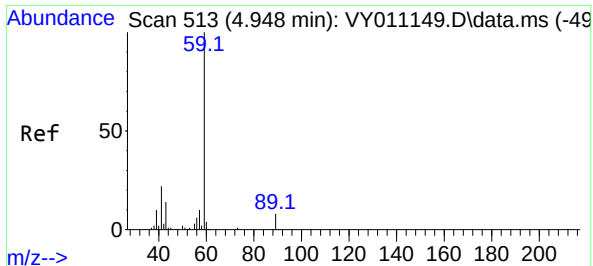
Tgt Ion: 94 Resp: 549
Ion Ratio Lower Upper
94 100
96 92.7 73.5 110.3



#6
Chloroethane
Concen: Below Cal
RT: 2.522 min Scan# 115
Delta R.T. -0.274 min
Lab File: VY011172.D
Acq: 28 Oct 2022 22:13

Tgt Ion: 64 Resp: 47
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#





#11

Tert butyl alcohol

Concen: 16.041 ug/l

RT: 4.936 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY011172.D

Acq: 28 Oct 2022 22:13

Instrument :

MSVOA_Y

ClientSampleId :

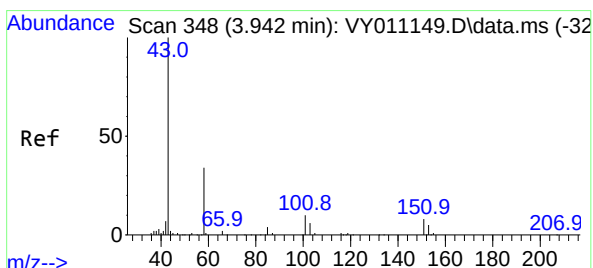
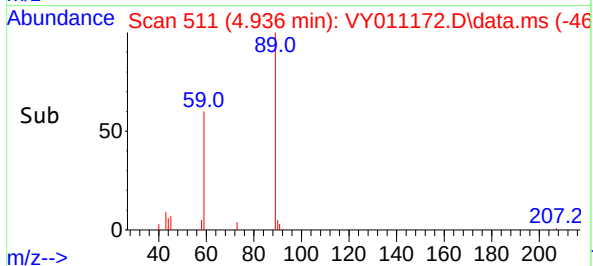
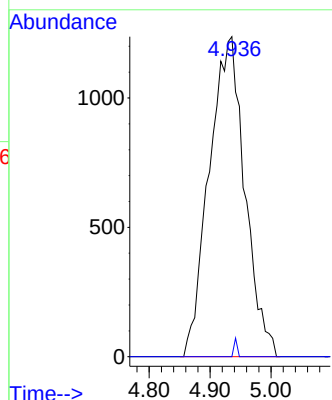
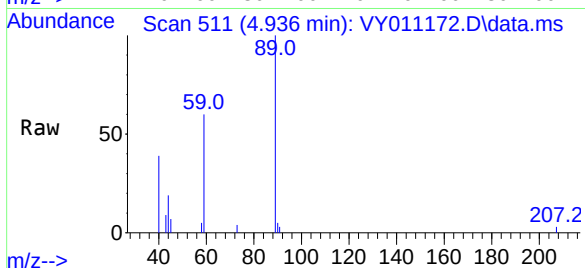
VY1028SBL02

Tgt Ion: 59 Resp: 5029

Ion Ratio Lower Upper

59 100

57 0.5 6.4 9.6#



#16

Acetone

Concen: 2.670 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.012 min

Lab File: VY011172.D

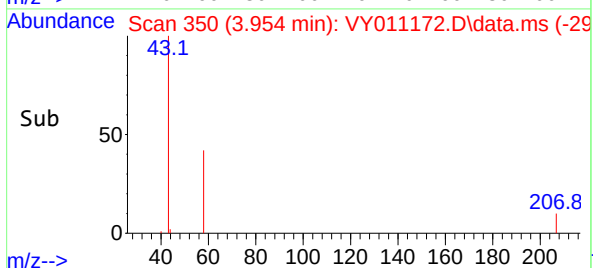
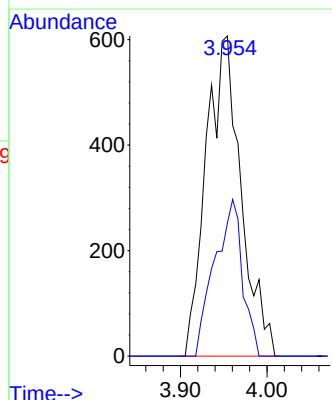
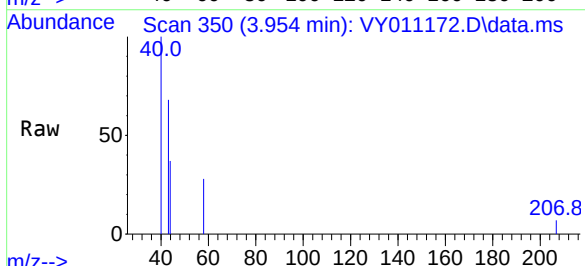
Acq: 28 Oct 2022 22:13

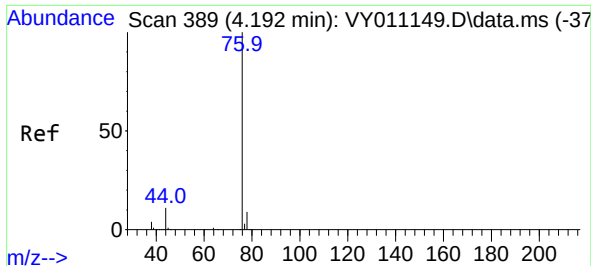
Tgt Ion: 43 Resp: 1694

Ion Ratio Lower Upper

43 100

58 41.5 22.0 33.0#

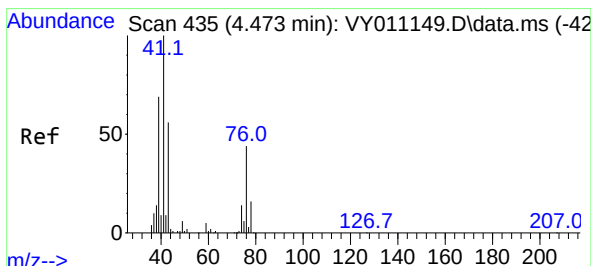
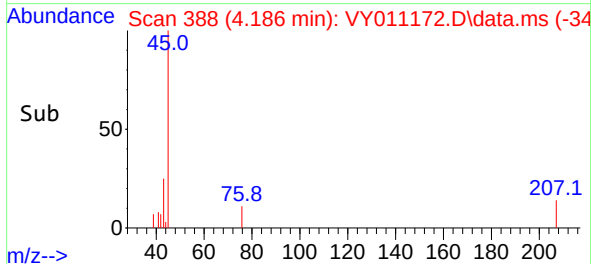
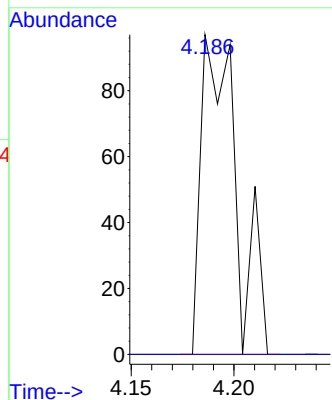
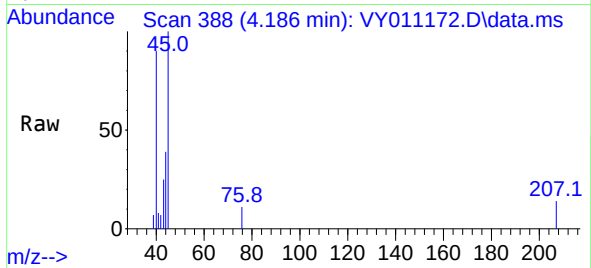




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY011172.D
Acq: 28 Oct 2022 22:13

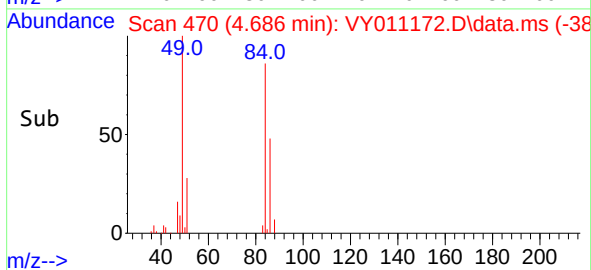
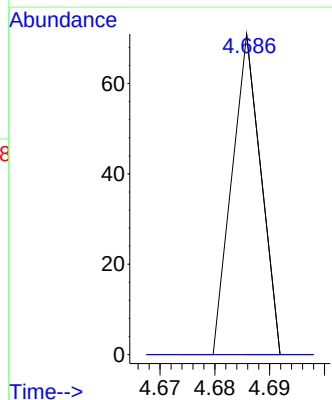
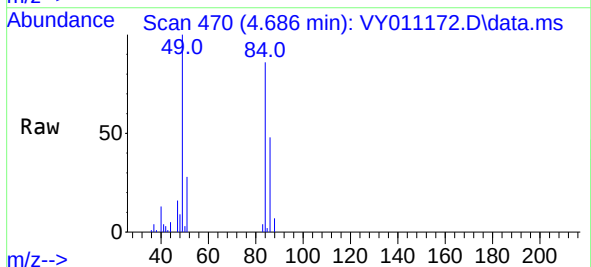
Instrument :
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ClientSampleId :
VY1028SBL02

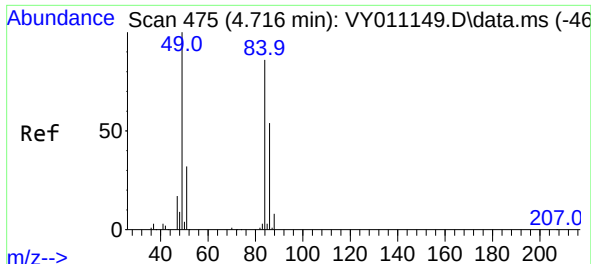
Tgt Ion: 76 Resp: 116
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.686 min Scan# 470
Delta R.T. 0.213 min
Lab File: VY011172.D
Acq: 28 Oct 2022 22:13

Tgt Ion: 43 Resp: 26
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



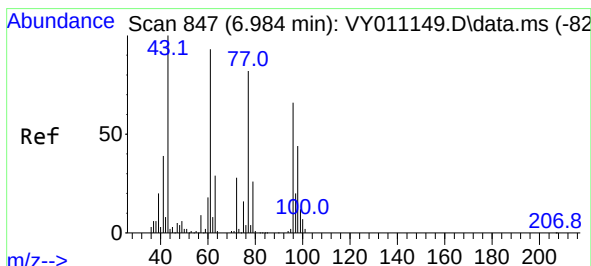
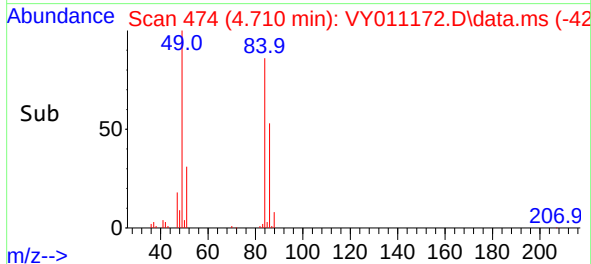
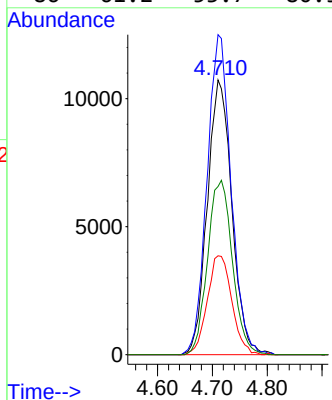
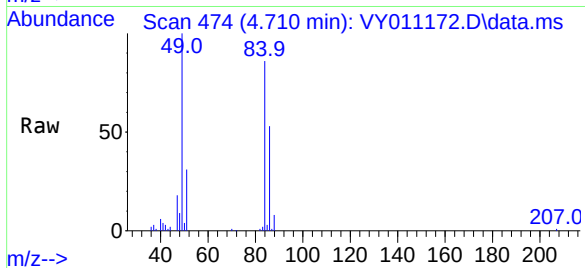


#20
Methylene Chloride
Concen: 6.945 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011172.D
Acq: 28 Oct 2022 22:13

Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL02

Tgt Ion: 84 Resp: 33417

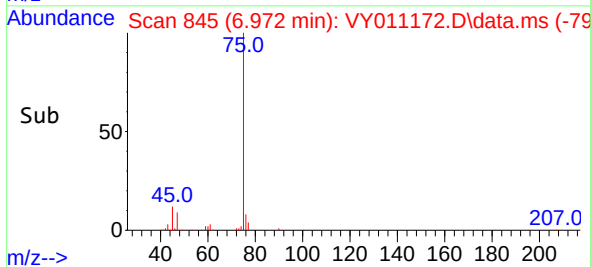
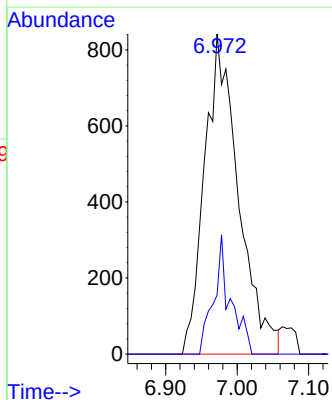
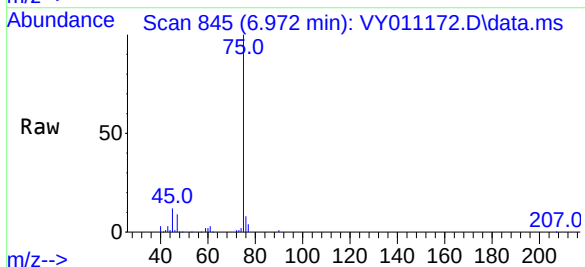
Ion	Ratio	Lower	Upper
84	100		
49	116.5	114.4	171.6
51	36.0	35.3	52.9
86	61.2	53.7	80.5

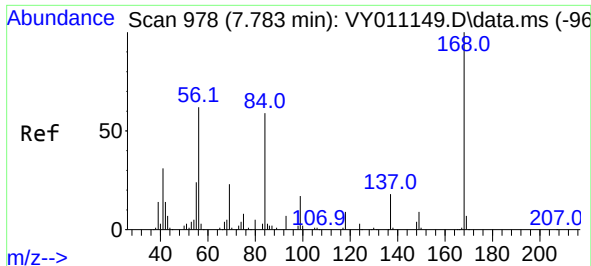


#25
2-Butanone
Concen: 3.049 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY011172.D
Acq: 28 Oct 2022 22:13

Tgt Ion: 43 Resp: 2773

Ion	Ratio	Lower	Upper
43	100		
72	18.4	17.7	26.5

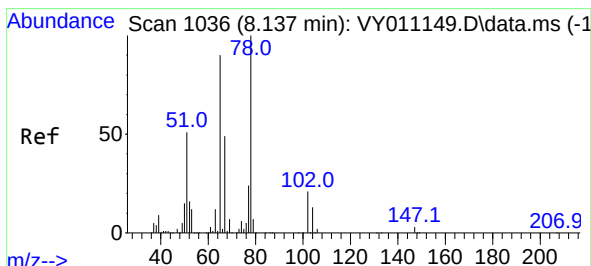
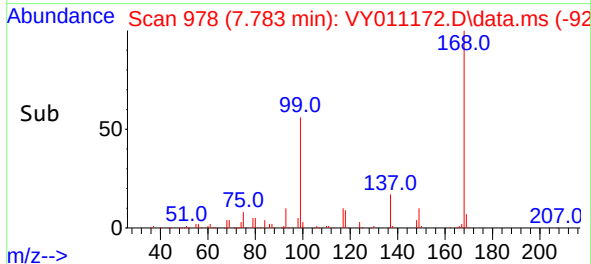
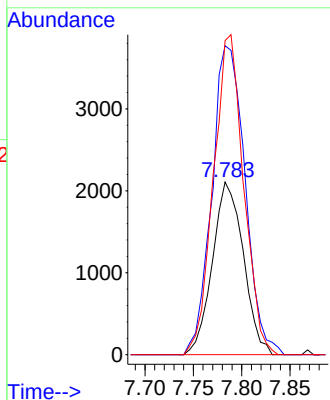
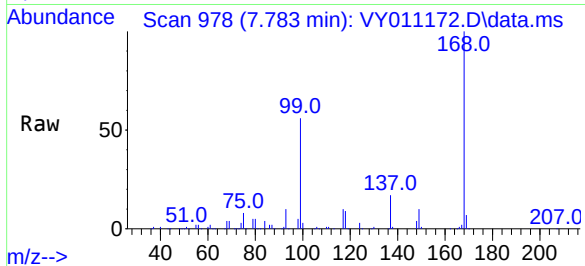




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011172.D
Acq: 28 Oct 2022 22:13

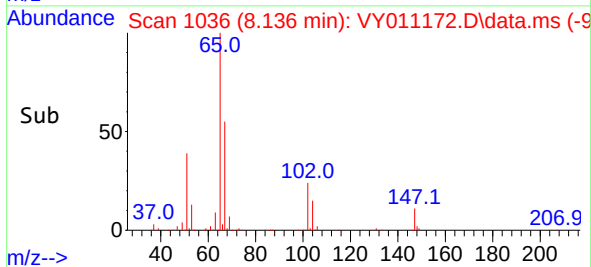
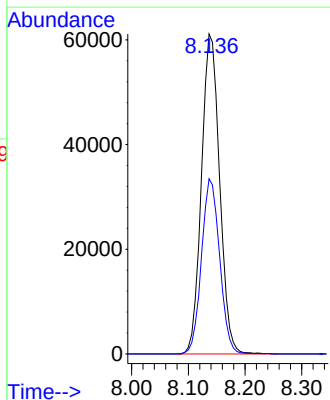
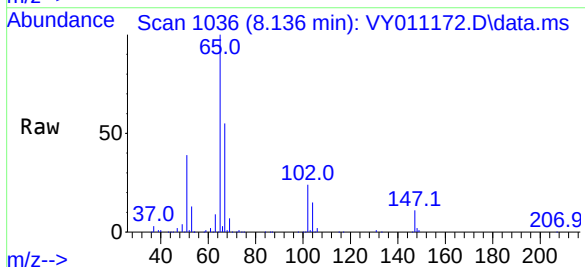
Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL02

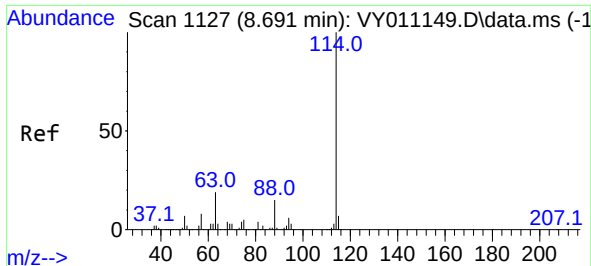
Tgt Ion: 56 Resp: 4686
Ion Ratio Lower Upper
56 100
69 179.0 26.7 40.1#
84 182.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 52.437 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY011172.D
Acq: 28 Oct 2022 22:13

Tgt Ion: 65 Resp: 135967
Ion Ratio Lower Upper
65 100
67 54.8 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011172.D

Acq: 28 Oct 2022 22:13

Instrument :

MSVOA_Y

ClientSampleId :

VY1028SBL02

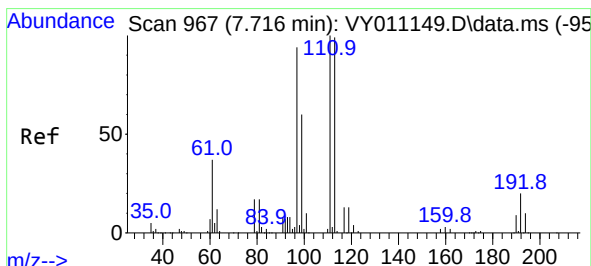
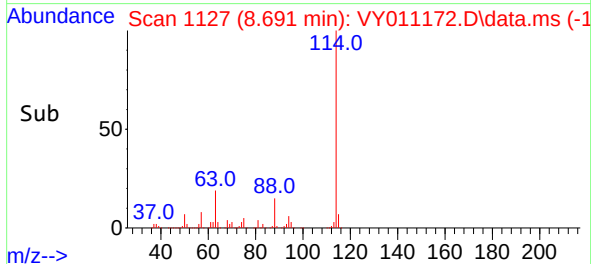
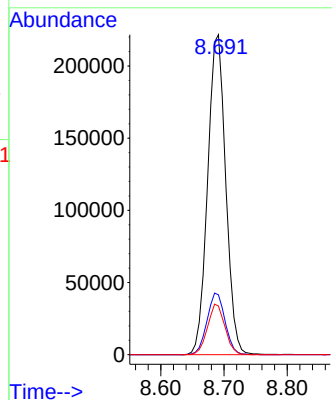
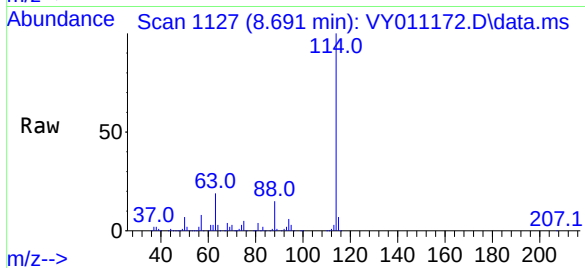
Tgt Ion:114 Resp: 440626

Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.2

88 15.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.863 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011172.D

Acq: 28 Oct 2022 22:13

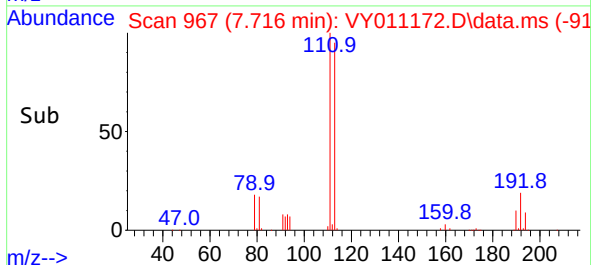
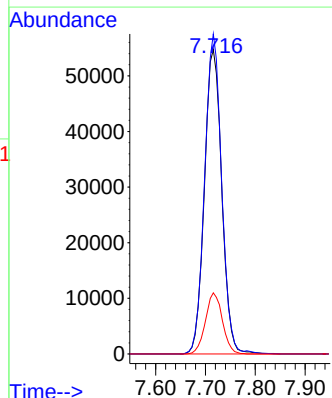
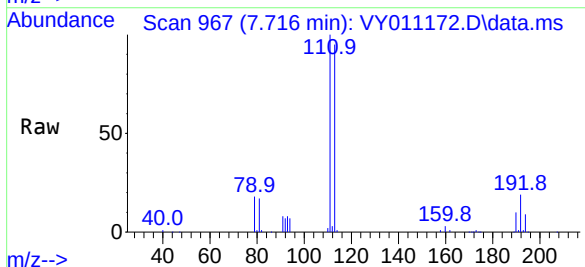
Tgt Ion:113 Resp: 132403

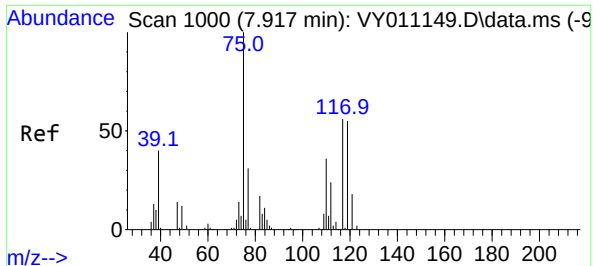
Ion Ratio Lower Upper

113 100

111 102.8 82.6 124.0

192 19.6 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.490 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011172.D

Acq: 28 Oct 2022 22:13

Instrument :

MSVOA_Y

ClientSampleId :

VY1028SBL02

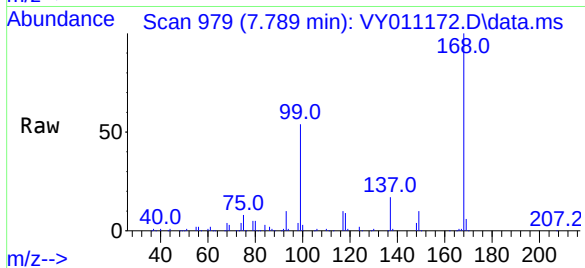
Tgt Ion: 75 Resp: 19393

Ion Ratio Lower Upper

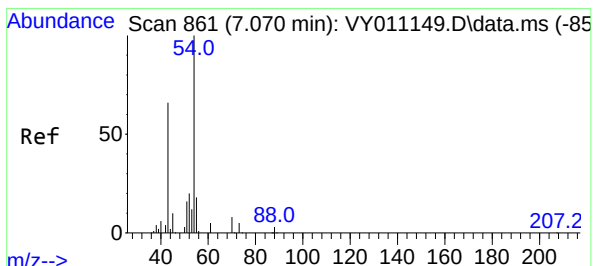
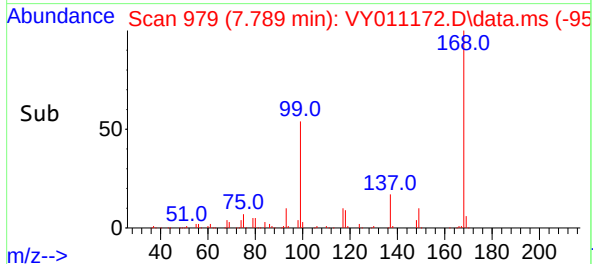
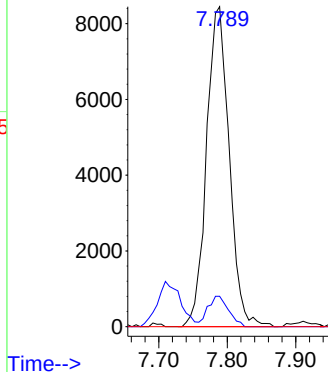
75 100

110 8.7 17.1 51.2#

77 0.0 24.4 36.6#



Abundance



#37

Ethyl Acetate

Concen: 1.387 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.098 min

Lab File: VY011172.D

Acq: 28 Oct 2022 22:13

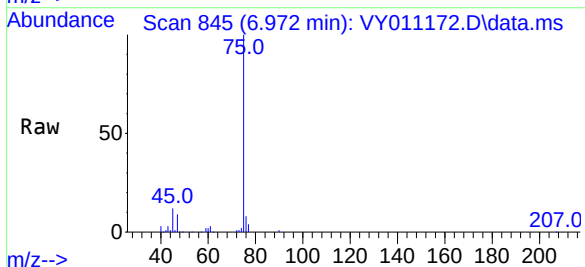
Tgt Ion: 43 Resp: 2773

Ion Ratio Lower Upper

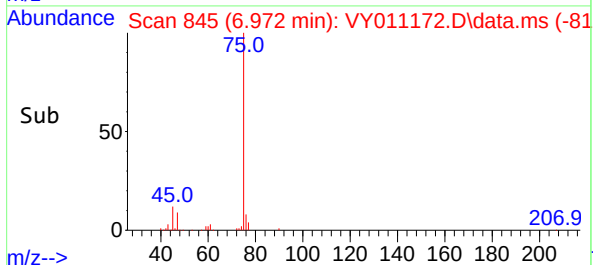
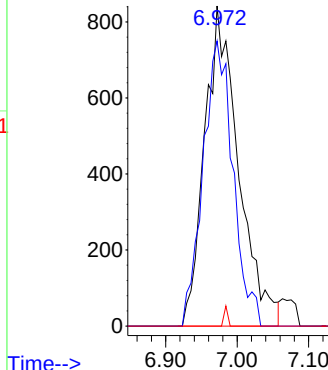
43 100

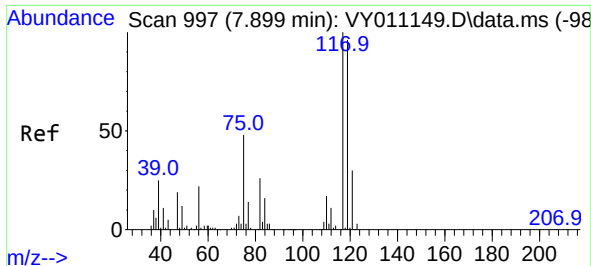
61 78.5 9.7 14.5#

70 0.7 7.1 10.7#



Abundance

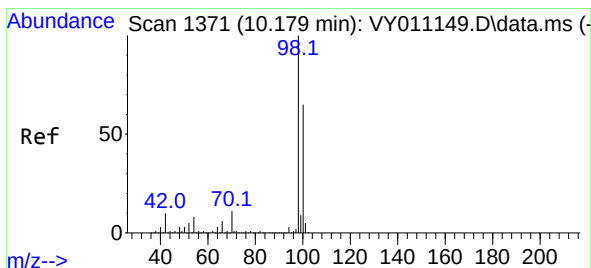
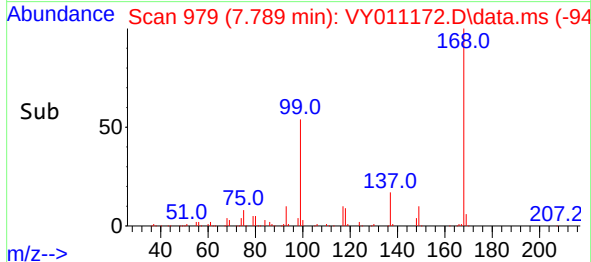
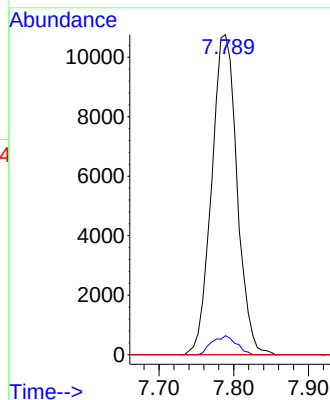
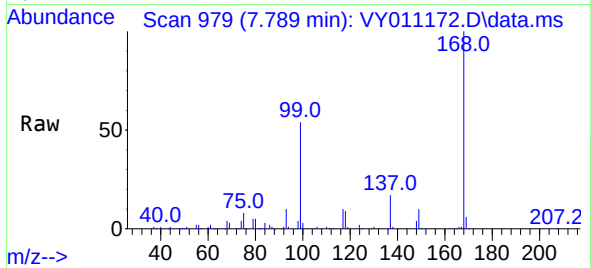




#38
Carbon Tetrachloride
Concen: 6.602 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011172.D
Acq: 28 Oct 2022 22:13

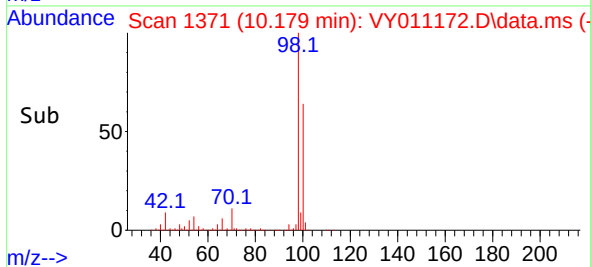
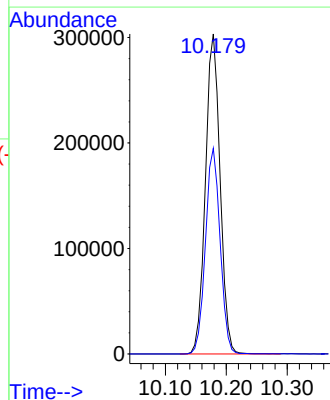
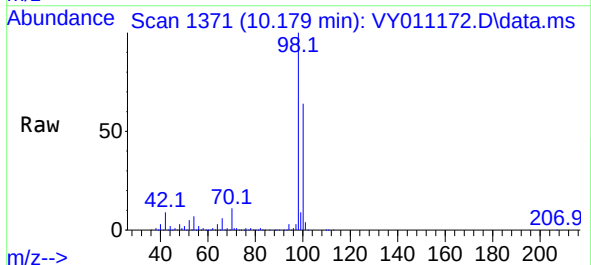
Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL02

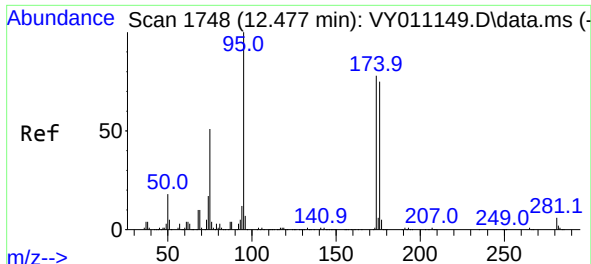
Tgt Ion:117 Resp: 25403
Ion Ratio Lower Upper
117 100
119 6.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.270 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011172.D
Acq: 28 Oct 2022 22:13

Tgt Ion: 98 Resp: 507443
Ion Ratio Lower Upper
98 100
100 64.2 50.2 75.2

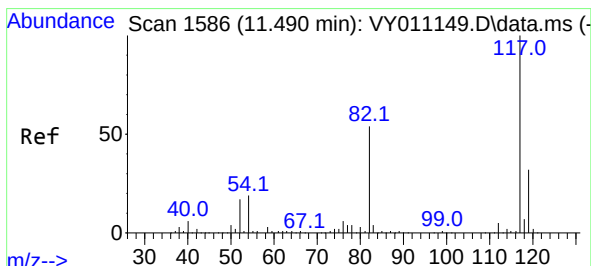
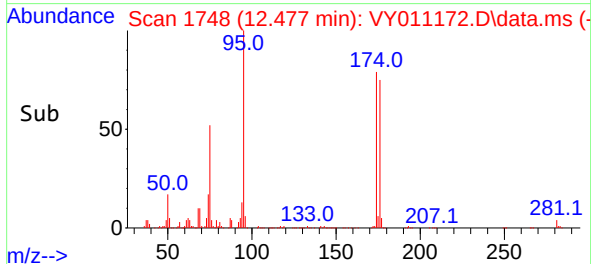
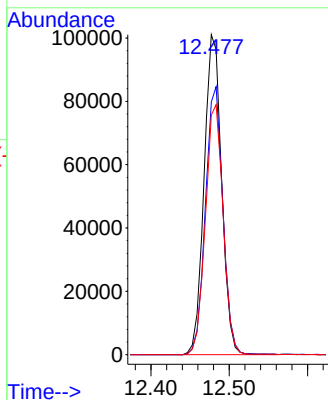
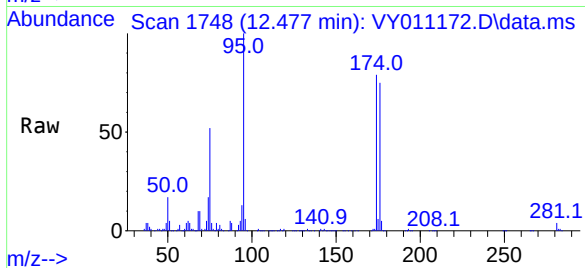




#62
4-Bromofluorobenzene
Concen: 44.593 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011172.D
Acq: 28 Oct 2022 22:13

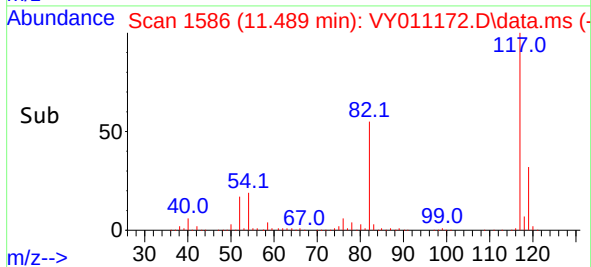
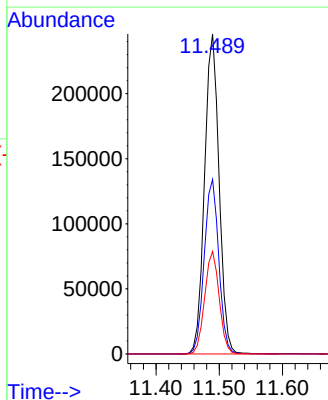
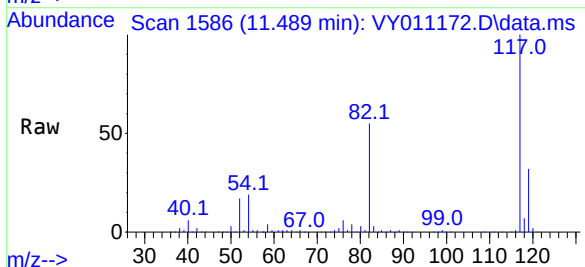
Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL02

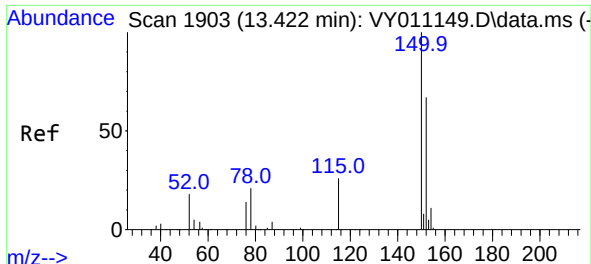
Tgt Ion: 95 Resp: 156633
Ion Ratio Lower Upper
95 100
174 83.6 0.0 177.0
176 79.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011172.D
Acq: 28 Oct 2022 22:13

Tgt Ion: 117 Resp: 393440
Ion Ratio Lower Upper
117 100
82 54.6 43.0 64.4
119 32.0 25.4 38.0

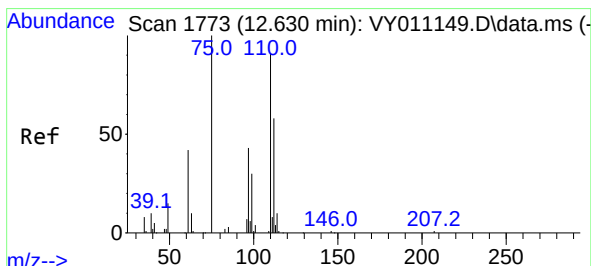
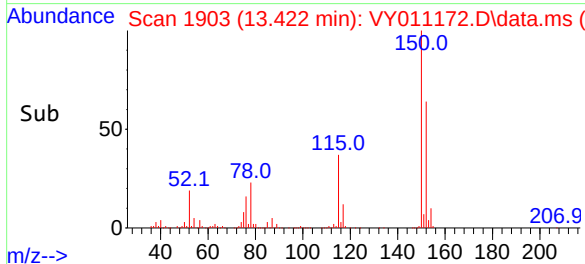
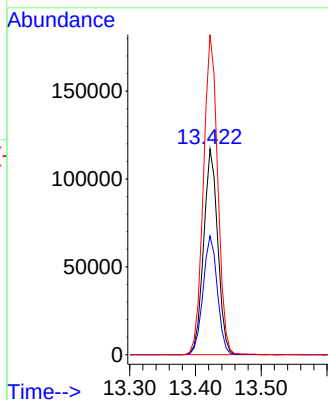
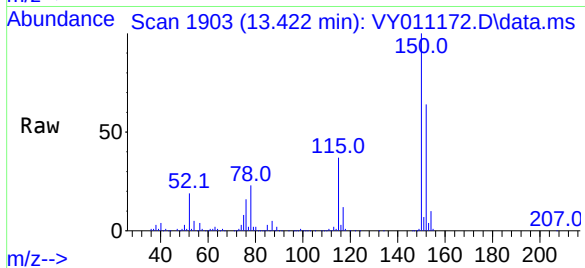




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011172.D
Acq: 28 Oct 2022 22:13

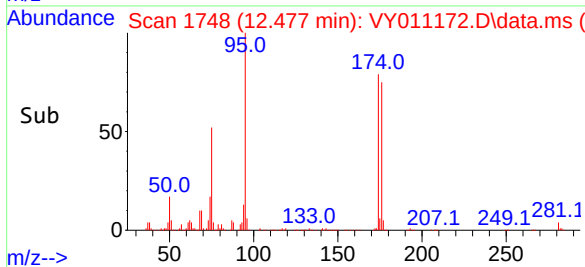
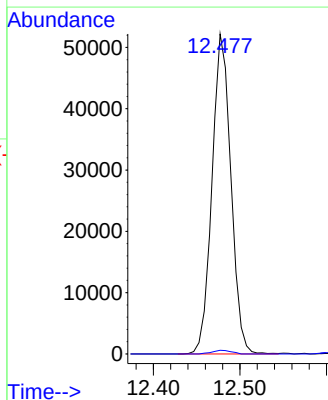
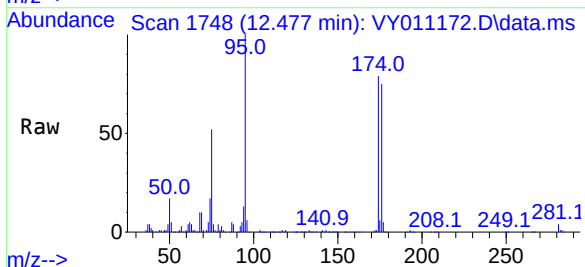
Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL02

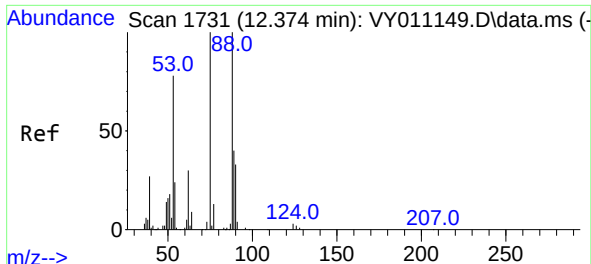
Tgt Ion:152 Resp: 175037
Ion Ratio Lower Upper
152 100
115 58.4 28.2 84.7
150 157.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 43.435 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011172.D
Acq: 28 Oct 2022 22:13

Tgt Ion: 75 Resp: 79043
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

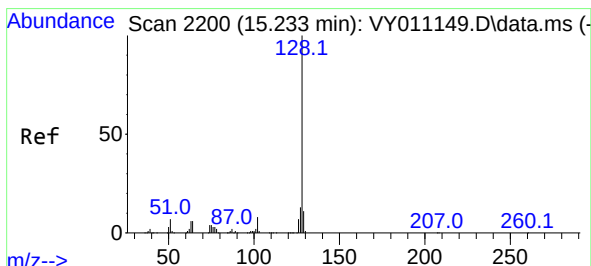
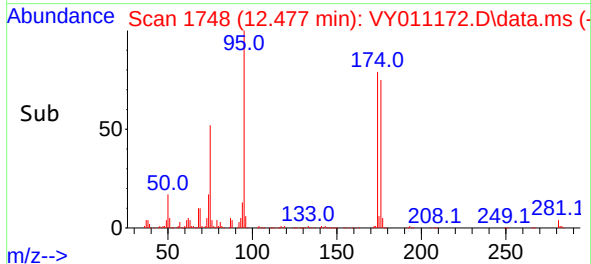
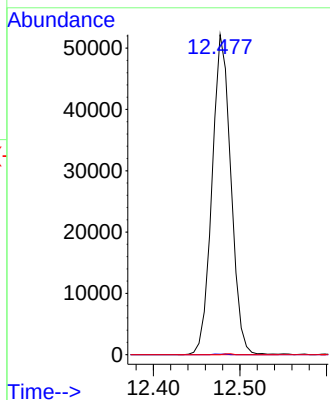
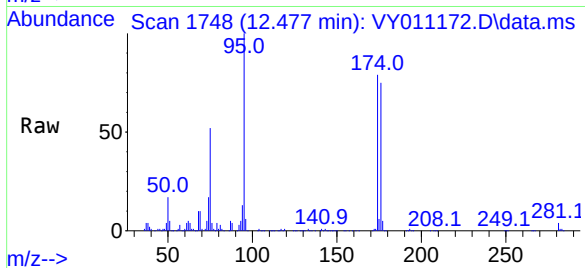




#81
trans-1,4-Dichloro-2-butene
Concen: 92.241 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011172.D
Acq: 28 Oct 2022 22:13

Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL02

Tgt Ion: 75 Resp: 79043
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 4.558 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY011172.D
Acq: 28 Oct 2022 22:13

Tgt Ion:128 Resp: 1403
Ion Ratio Lower Upper
128 100
127 7.0 11.0 16.4#
129 6.0 8.4 12.6#

