

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011154.D
 Acq On : 28 Oct 2022 13:54
 Operator : KP/MD
 Sample : VY1028SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1028SBL01

Quant Time: Oct 28 23:44:50 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	269833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	459389	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	403077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	177359	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	140238	50.262	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.520%	
35) Dibromofluoromethane	7.716	113	138002	48.849	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.700%	
50) Toluene-d8	10.179	98	530666	47.415	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.820%	
62) 4-Bromofluorobenzene	12.477	95	161488	44.097	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 88.200%	

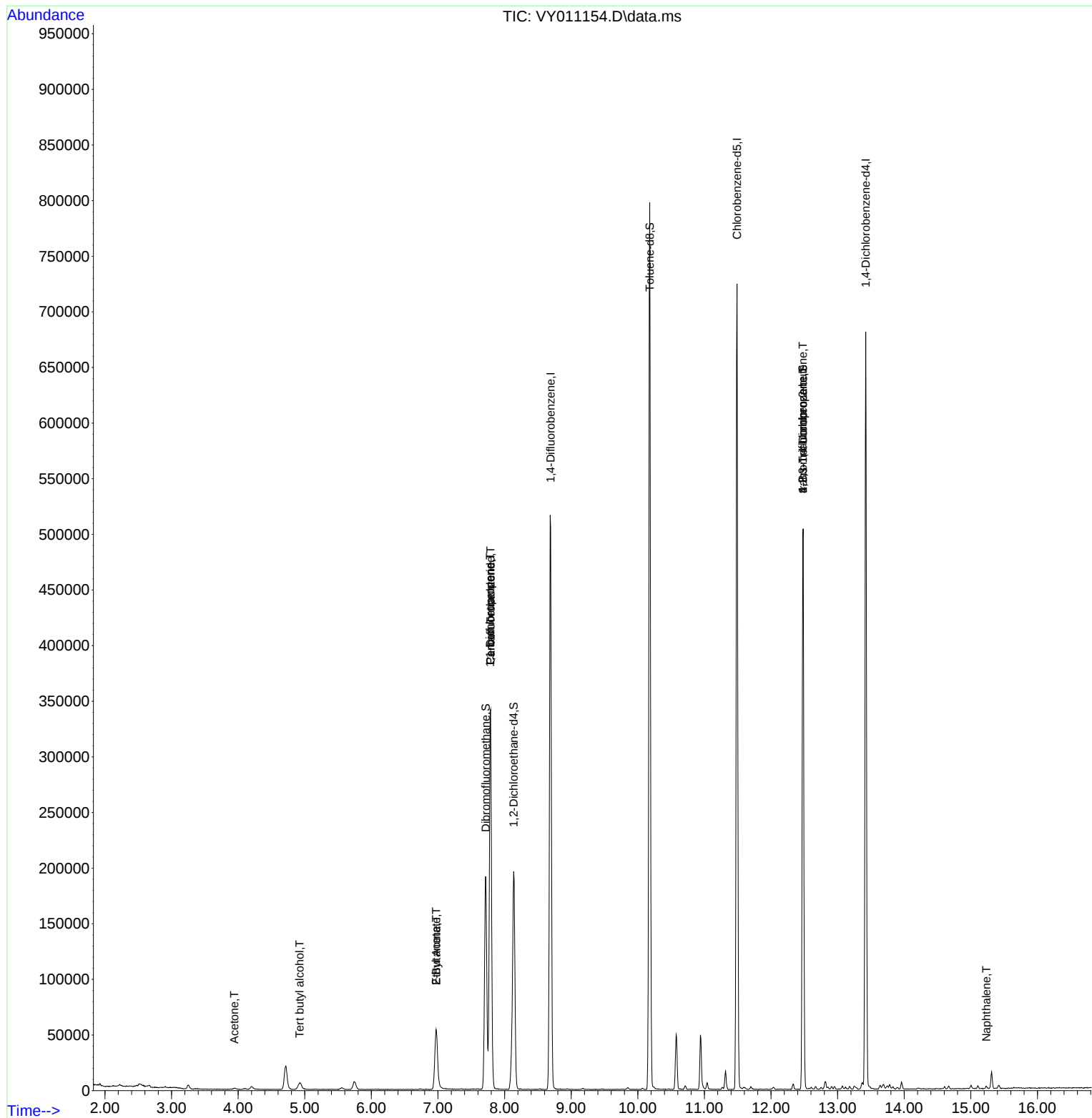
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.906	85	598	Below Cal		99
3) Chloromethane	2.119	50	550	Below Cal	#	73
4) Vinyl Chloride	2.235	62	41	Below Cal	#	43
5) Bromomethane	2.662	94	574	Below Cal	#	67
11) Tert butyl alcohol	4.923	59	6336	19.526	ug/l #	78
16) Acetone	3.942	43	1928	2.824	ug/l	94
17) Carbon Disulfide	4.204	76	432	Below Cal	#	75
18) Methyl Acetate	4.710	43	258	Below Cal	#	56
20) Methylene Chloride	4.716	84	16275	Below Cal		84
25) 2-Butanone	6.972	43	3350	3.423	ug/l	95
31) Cyclohexane	7.783	56	5264	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	20316	5.516	ug/l #	51
37) Ethyl Acetate	6.972	43	3350	1.608	ug/l #	1
38) Carbon Tetrachloride	7.789	117	26478	6.600	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	80931	43.890	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	80931	93.208	ug/l #	7
95) Naphthalene	15.232	128	2064	4.650	ug/l #	95

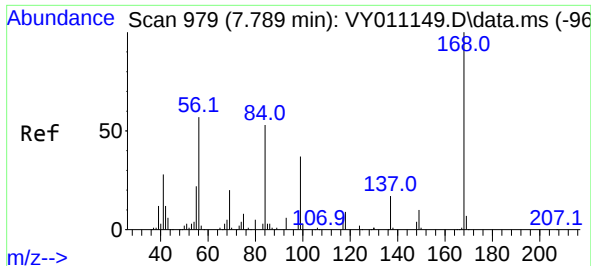
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 28 23:44:50 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

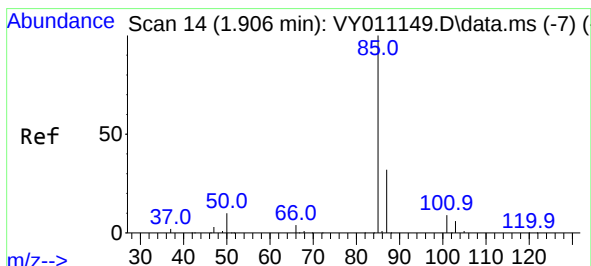
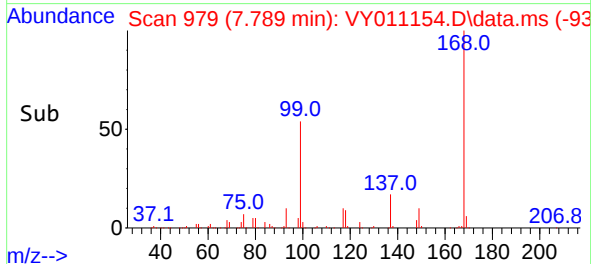
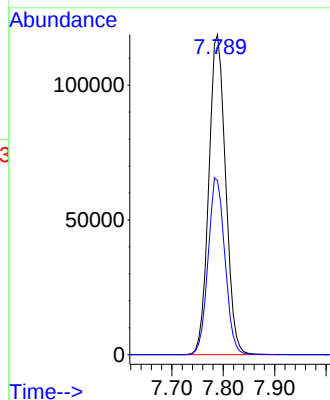
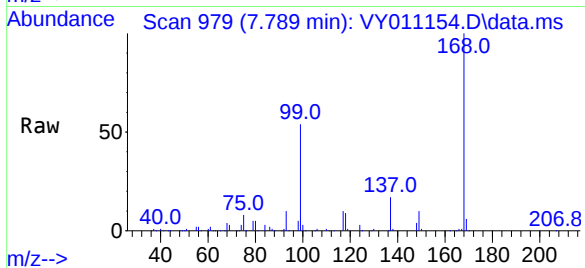




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011154.D
Acq: 28 Oct 2022 13:54

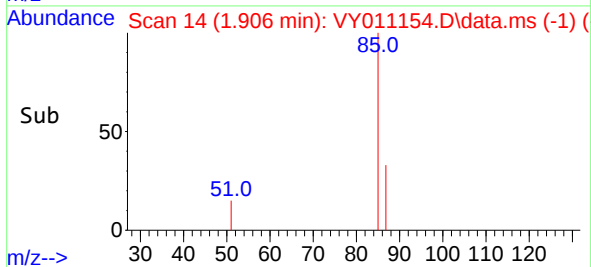
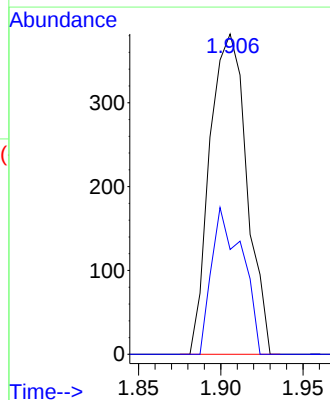
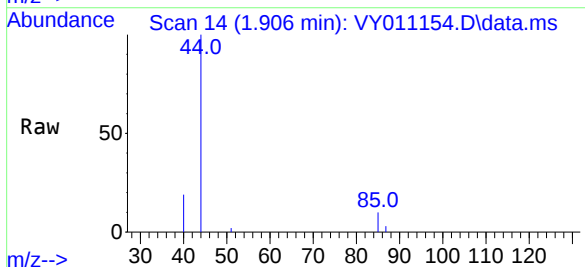
Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL01

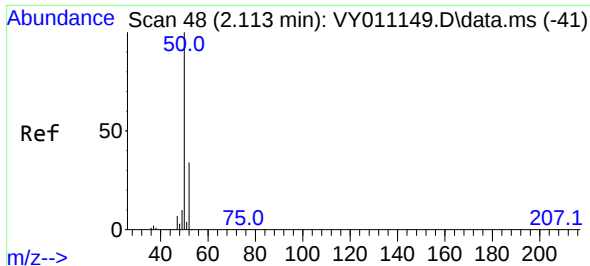
Tgt Ion:168 Resp: 269833
Ion Ratio Lower Upper
168 100
99 54.4 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011154.D
Acq: 28 Oct 2022 13:54

Tgt Ion: 85 Resp: 598
Ion Ratio Lower Upper
85 100
87 32.7 16.1 48.2

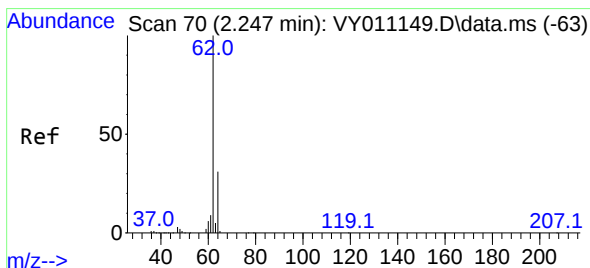
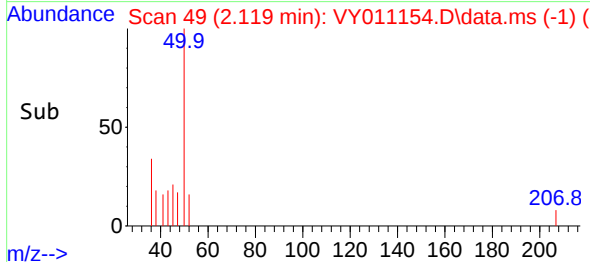
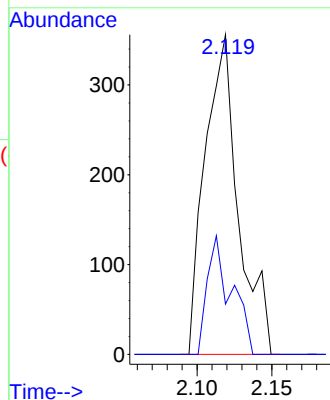
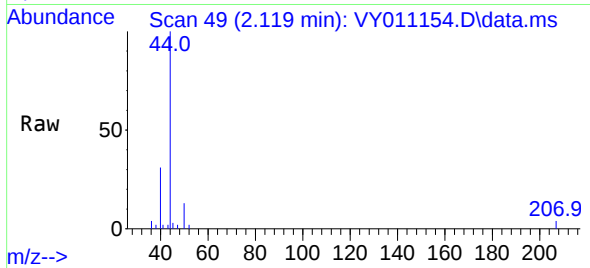




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011154.D
Acq: 28 Oct 2022 13:54

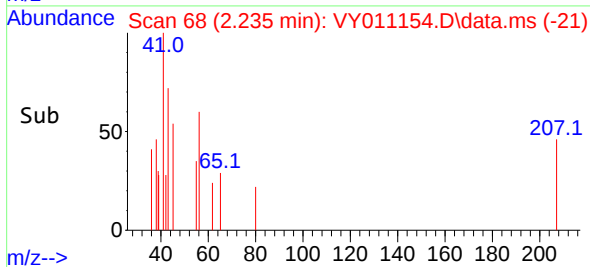
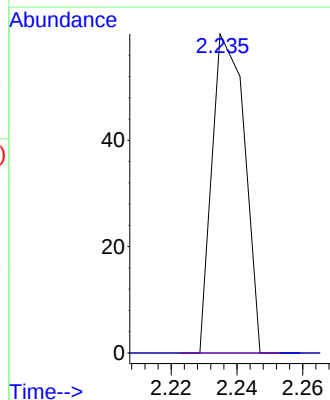
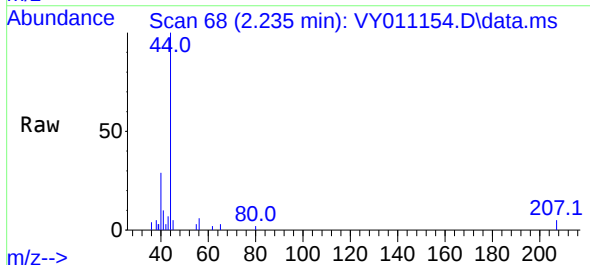
Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL01

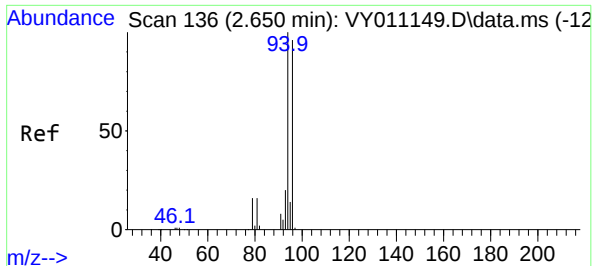
Tgt Ion: 50 Resp: 550
Ion Ratio Lower Upper
50 100
52 15.7 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.235 min Scan# 68
Delta R.T. -0.012 min
Lab File: VY011154.D
Acq: 28 Oct 2022 13:54

Tgt Ion: 62 Resp: 41
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

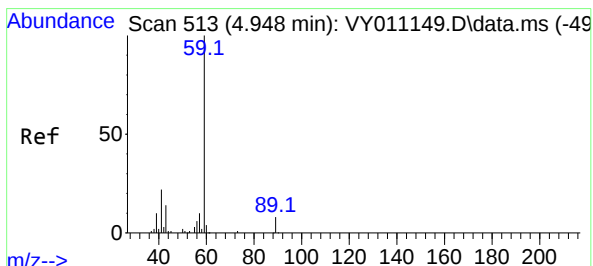
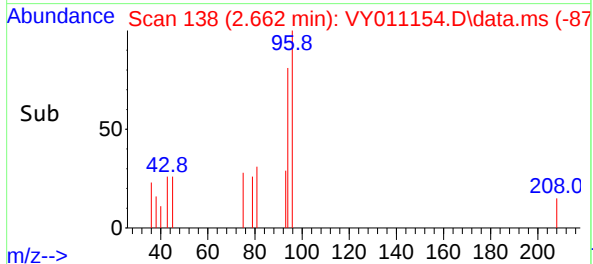
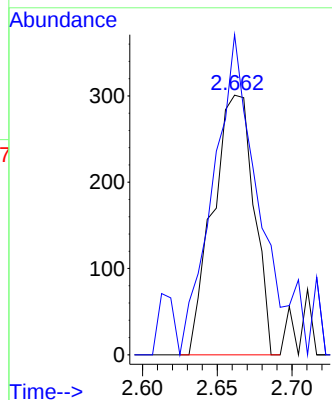
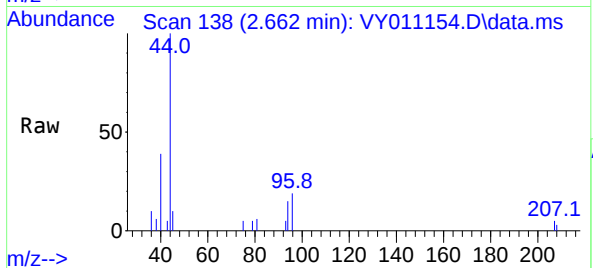




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011154.D
Acq: 28 Oct 2022 13:54

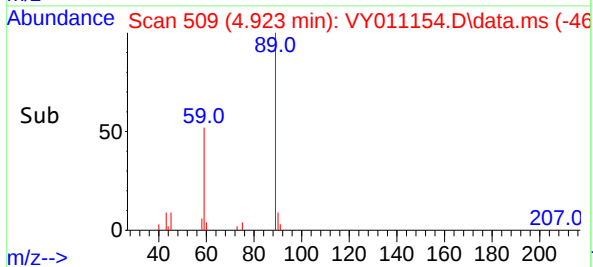
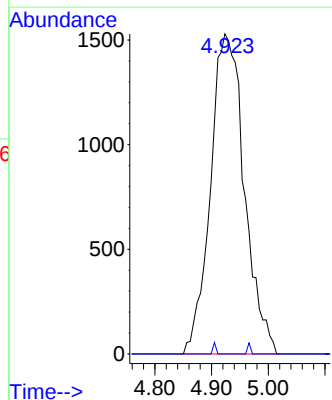
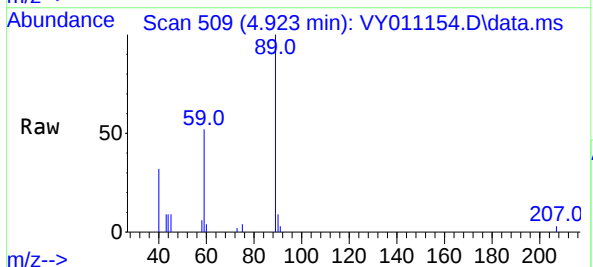
Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL01

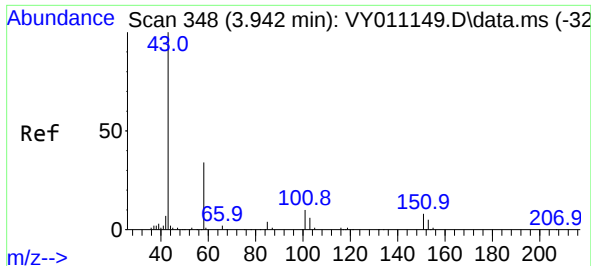
Tgt Ion: 94 Resp: 574
Ion Ratio Lower Upper
94 100
96 123.3 73.5 110.3#



#11
Tert butyl alcohol
Concen: 19.526 ug/l
RT: 4.923 min Scan# 509
Delta R.T. -0.025 min
Lab File: VY011154.D
Acq: 28 Oct 2022 13:54

Tgt Ion: 59 Resp: 6336
Ion Ratio Lower Upper
59 100
57 0.3 6.4 9.6#

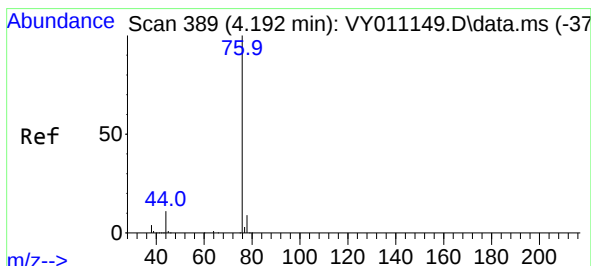
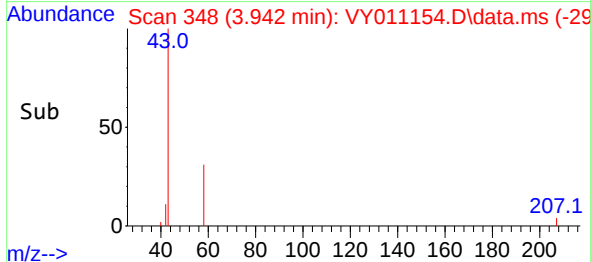
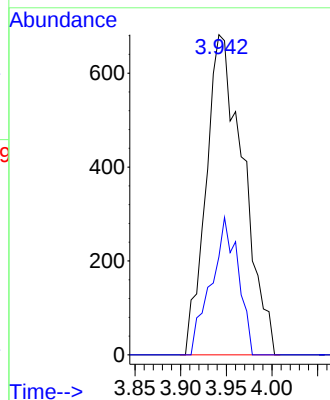
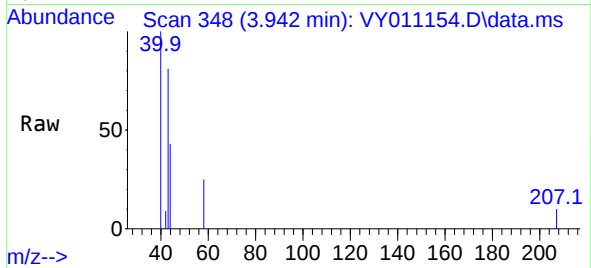




#16
Acetone
Concen: 2.824 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY011154.D
Acq: 28 Oct 2022 13:54

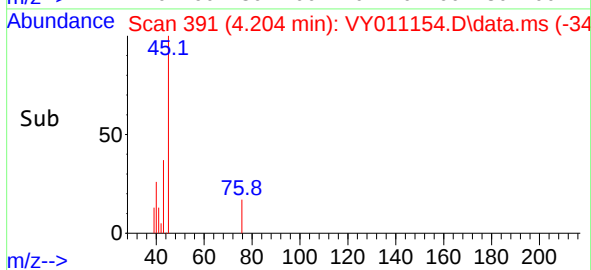
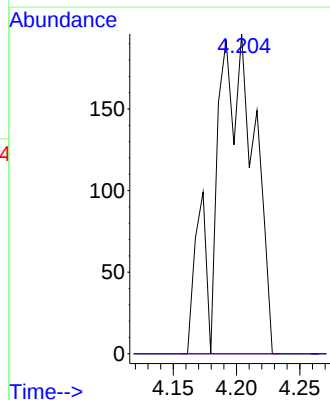
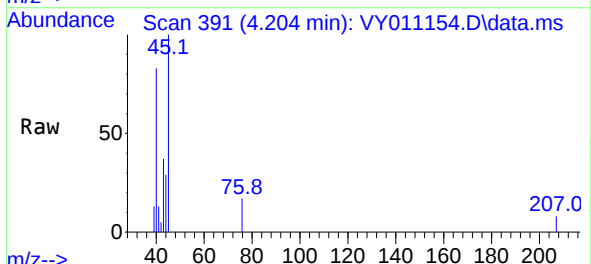
Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL01

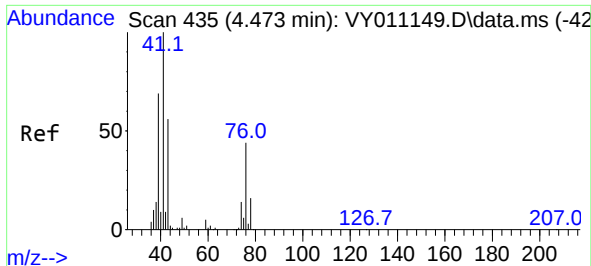
Tgt Ion: 43 Resp: 1928
Ion Ratio Lower Upper
43 100
58 30.6 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.204 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY011154.D
Acq: 28 Oct 2022 13:54

Tgt Ion: 76 Resp: 432
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. 0.237 min

Lab File: VY011154.D

Acq: 28 Oct 2022 13:54

Instrument :

MSVOA_Y

ClientSampleId :

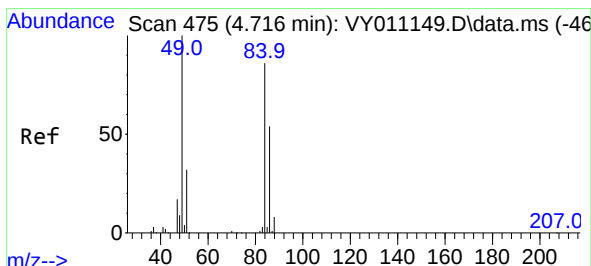
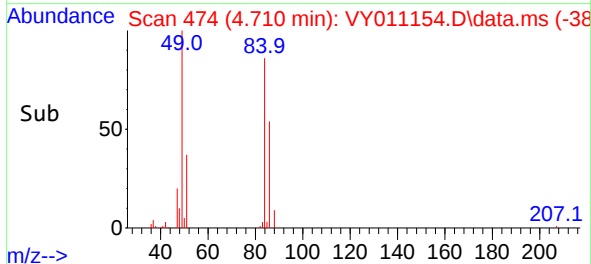
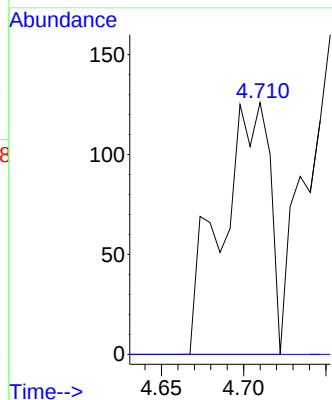
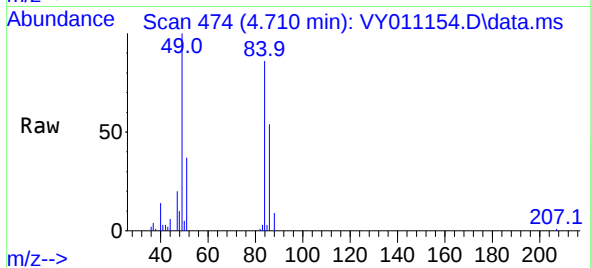
VY1028SBL01

Tgt Ion: 43 Resp: 258

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. 0.000 min

Lab File: VY011154.D

Acq: 28 Oct 2022 13:54

Tgt Ion: 84 Resp: 16275

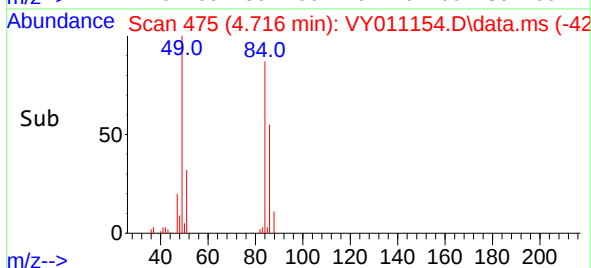
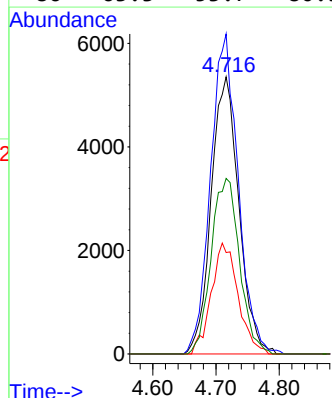
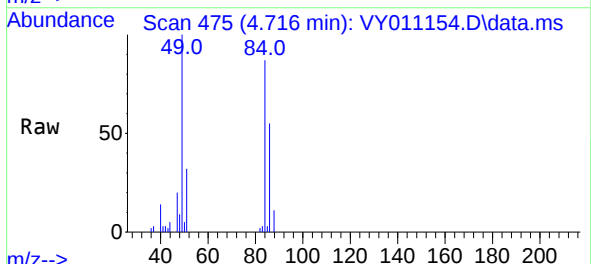
Ion Ratio Lower Upper

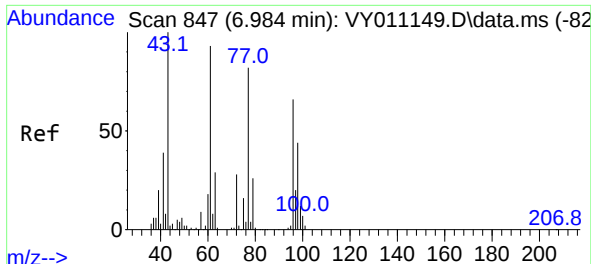
84 100

49 115.5 114.4 171.6

51 36.6 35.3 52.9

86 63.3 53.7 80.5

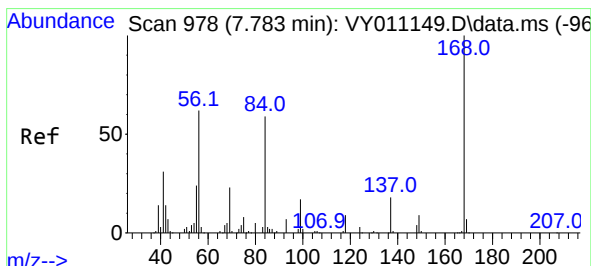
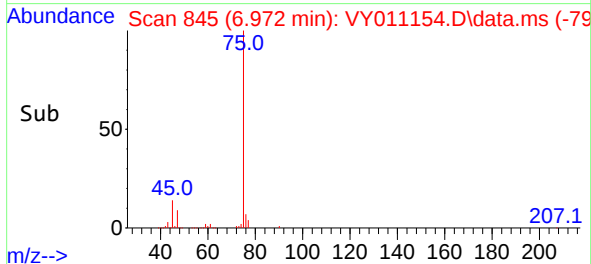
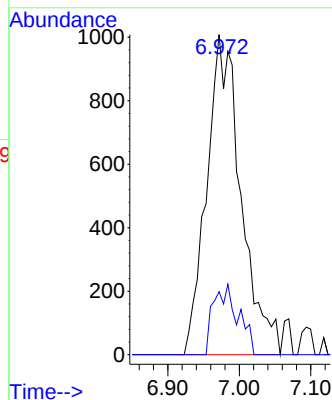
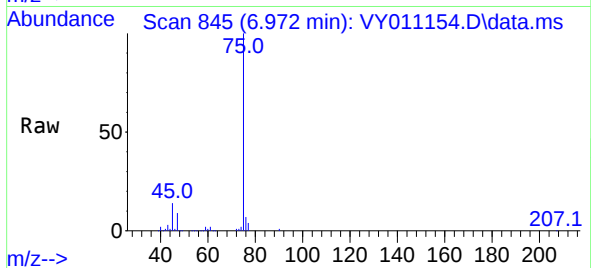




#25
2-Butanone
Concen: 3.423 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY011154.D
Acq: 28 Oct 2022 13:54

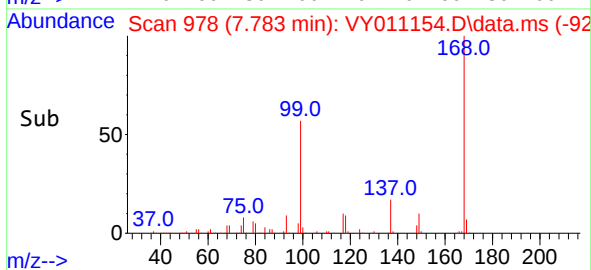
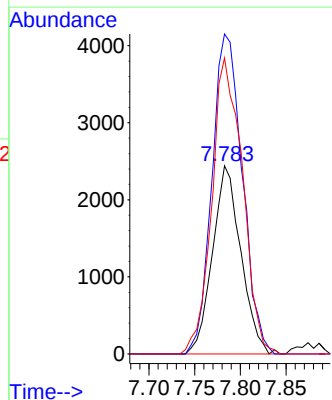
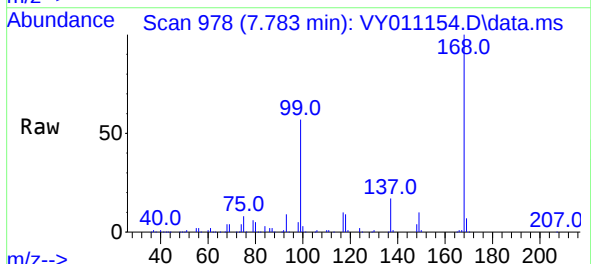
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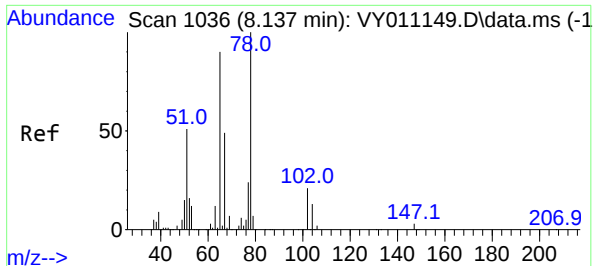
Tgt Ion: 43 Resp: 3350
Ion Ratio Lower Upper
43 100
72 19.7 17.7 26.5



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY011154.D
Acq: 28 Oct 2022 13:54

Tgt Ion: 56 Resp: 5264
Ion Ratio Lower Upper
56 100
69 170.1 26.7 40.1#
84 157.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 50.262 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.001 min

Lab File: VY011154.D

Acq: 28 Oct 2022 13:54

Instrument :

MSVOA_Y

ClientSampleId :

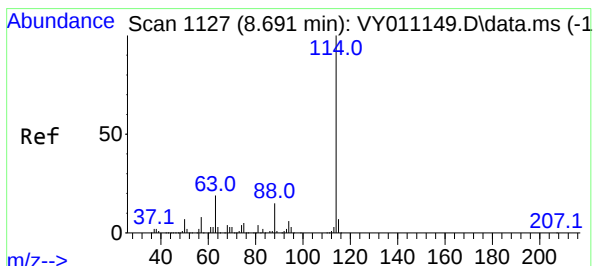
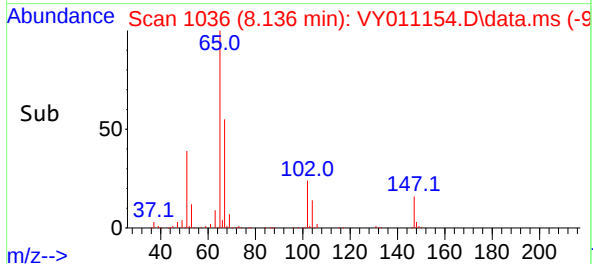
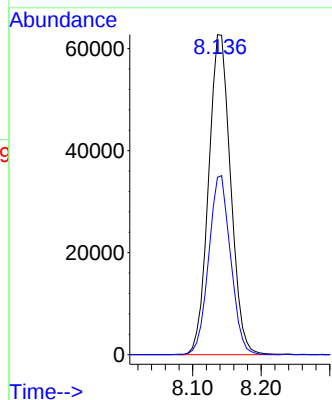
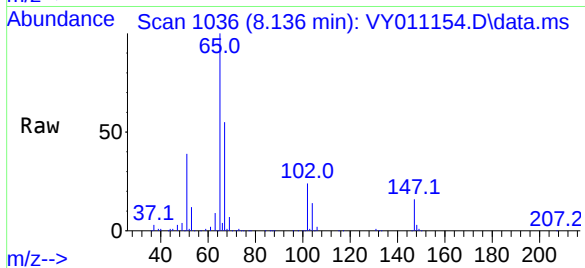
VY1028SBL01

Tgt Ion: 65 Resp: 140238

Ion Ratio Lower Upper

65 100

67 55.6 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: VY011154.D

Acq: 28 Oct 2022 13:54

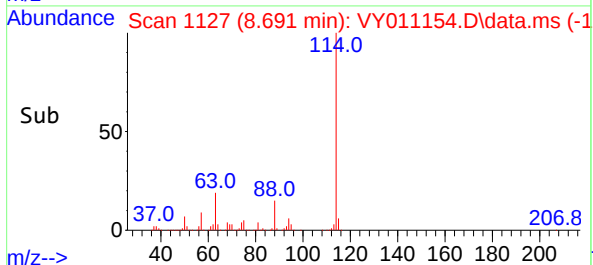
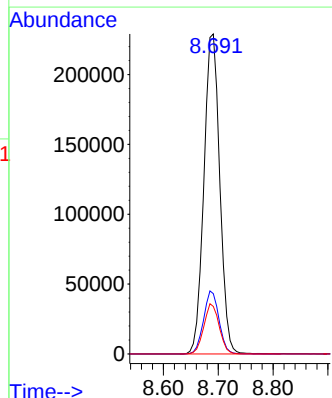
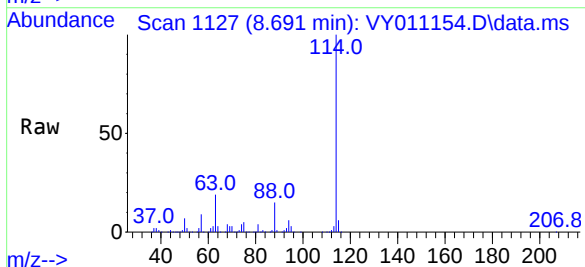
Tgt Ion: 114 Resp: 459389

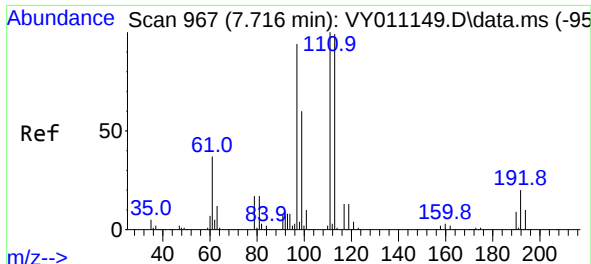
Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 14.9 0.0 31.8

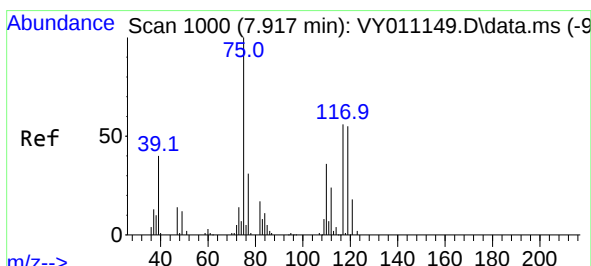
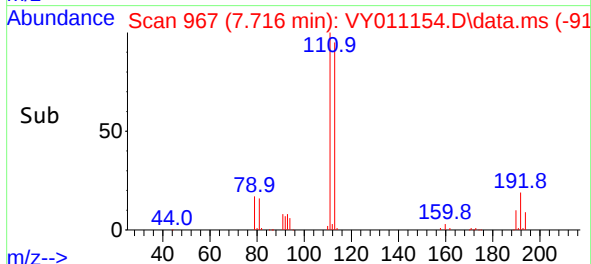
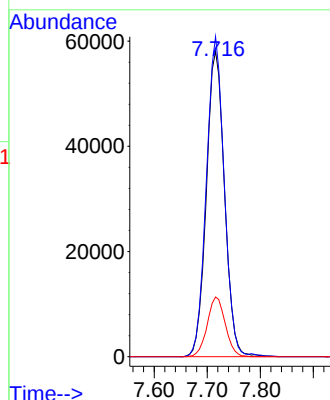
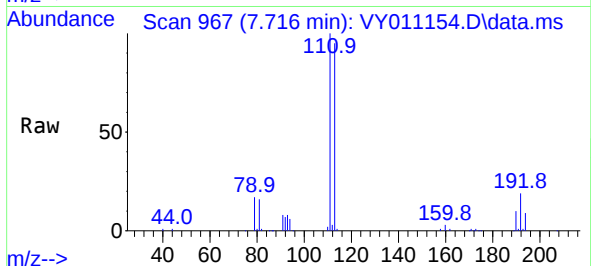




#35
Dibromofluoromethane
Concen: 48.849 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011154.D
Acq: 28 Oct 2022 13:54

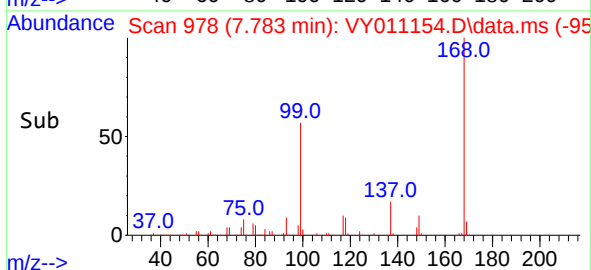
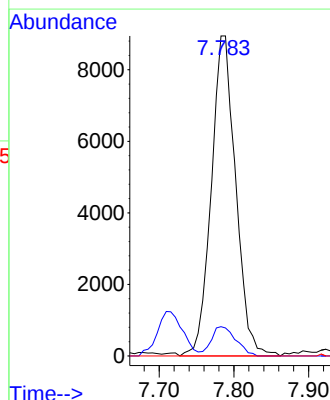
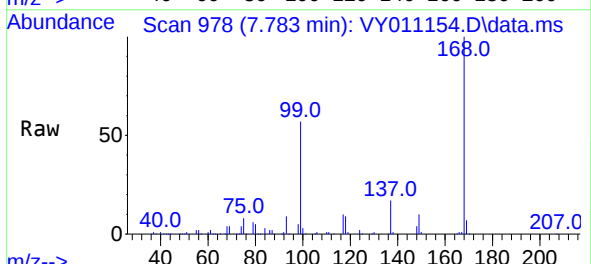
Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL01

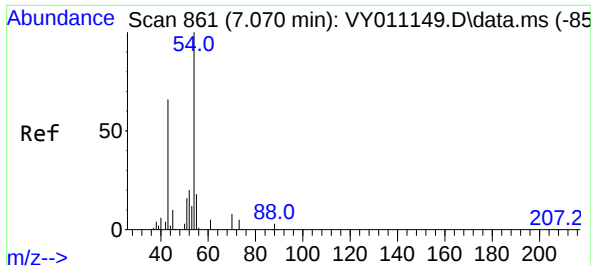
Tgt Ion:113 Resp: 138002
Ion Ratio Lower Upper
113 100
111 103.2 82.6 124.0
192 19.5 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.516 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY011154.D
Acq: 28 Oct 2022 13:54

Tgt Ion: 75 Resp: 20316
Ion Ratio Lower Upper
75 100
110 9.2 17.1 51.2#
77 0.0 24.4 36.6#

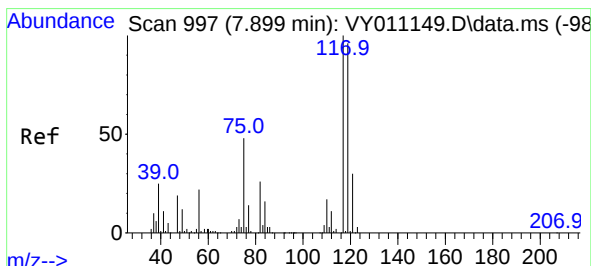
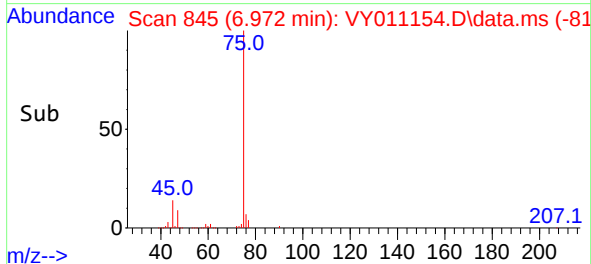
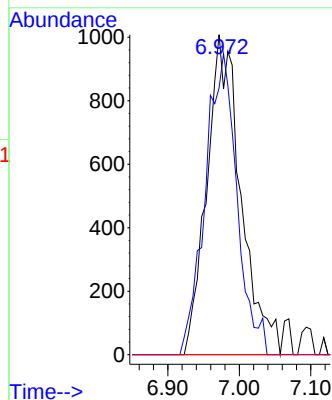
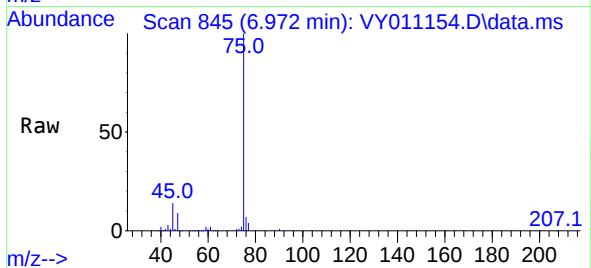




#37
Ethyl Acetate
Concen: 1.608 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.098 min
Lab File: VY011154.D
Acq: 28 Oct 2022 13:54

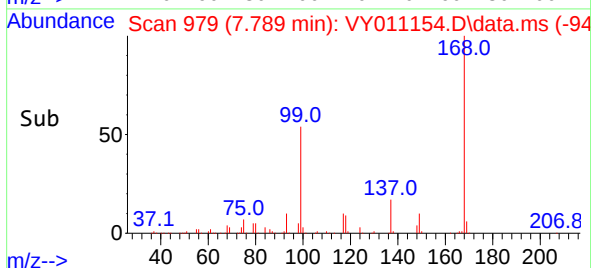
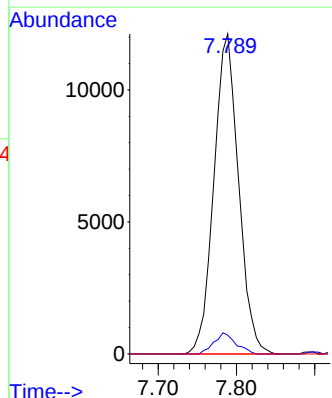
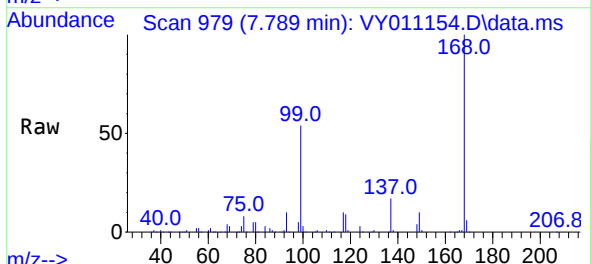
Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL01

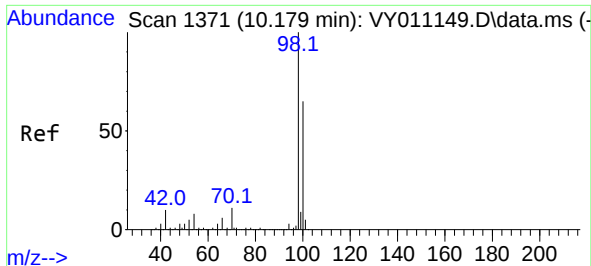
Tgt Ion: 43 Resp: 3350
Ion Ratio Lower Upper
43 100
61 87.4 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.600 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY011154.D
Acq: 28 Oct 2022 13:54

Tgt Ion: 117 Resp: 26478
Ion Ratio Lower Upper
117 100
119 5.9 77.9 116.9#
121 0.0 24.8 37.2#

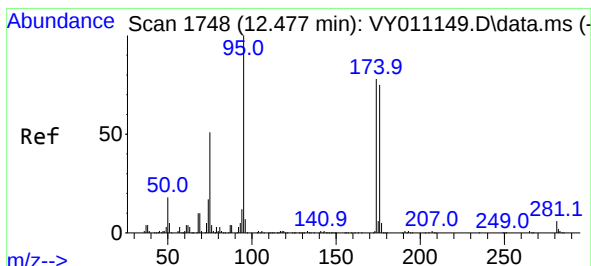
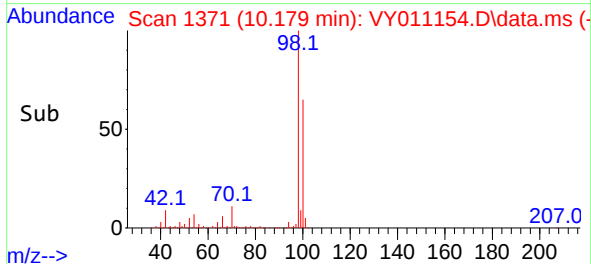
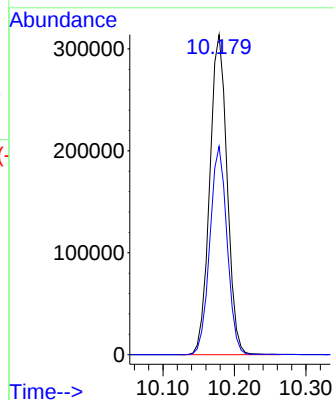
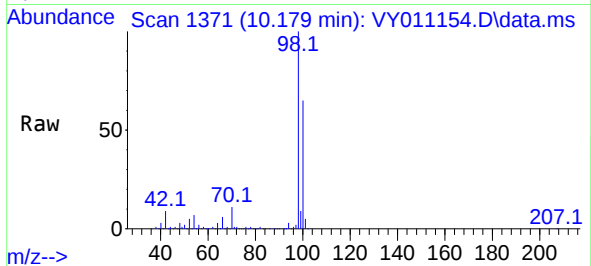




#50
Toluene-d8
Concen: 47.415 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011154.D
Acq: 28 Oct 2022 13:54

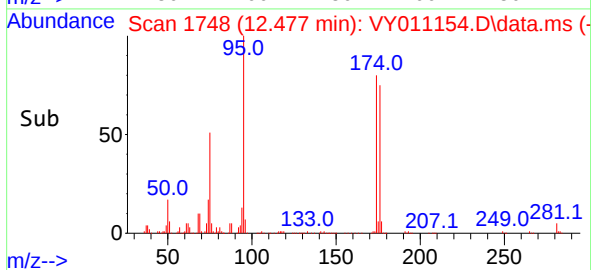
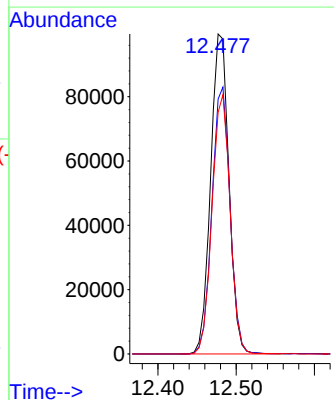
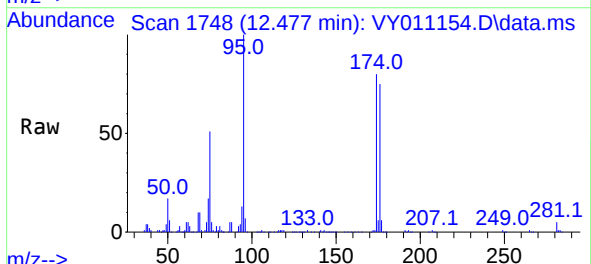
Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL01

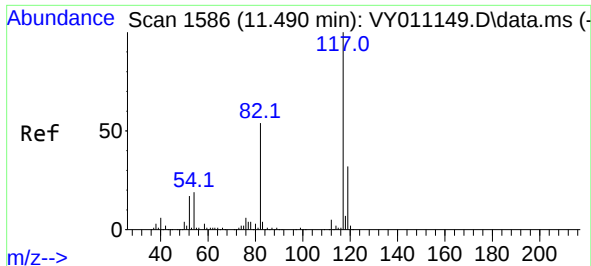
Tgt Ion: 98 Resp: 530666
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 44.097 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY011154.D
Acq: 28 Oct 2022 13:54

Tgt Ion: 95 Resp: 161488
Ion Ratio Lower Upper
95 100
174 82.4 0.0 177.0
176 79.9 0.0 175.8

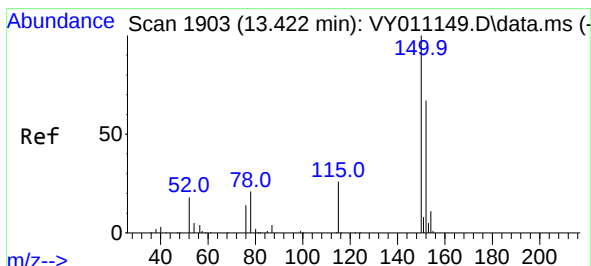
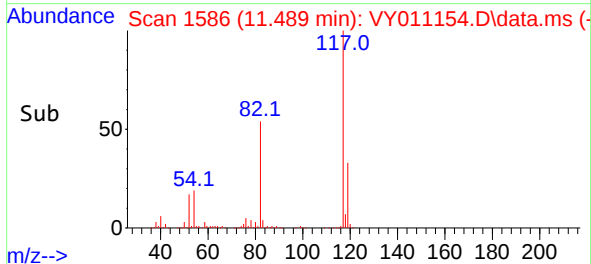
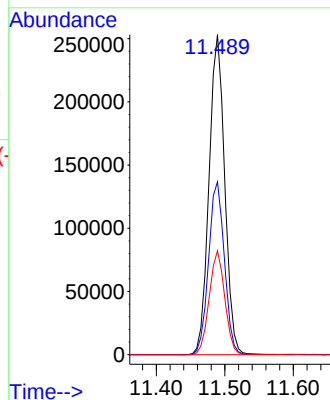
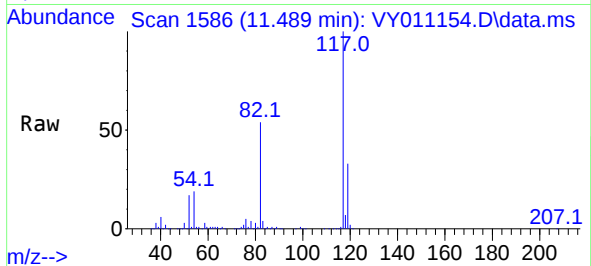




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY011154.D
Acq: 28 Oct 2022 13:54

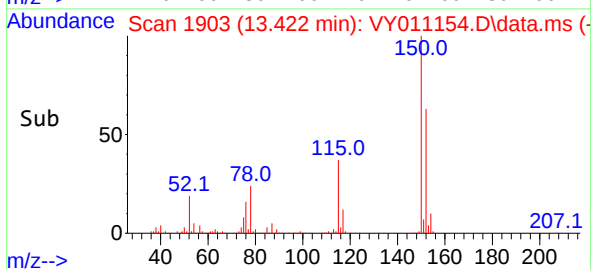
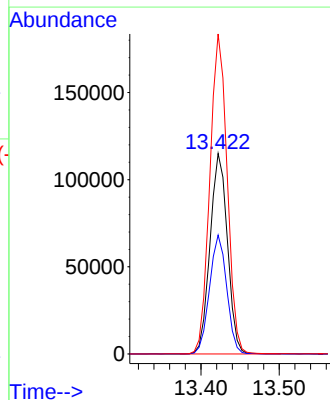
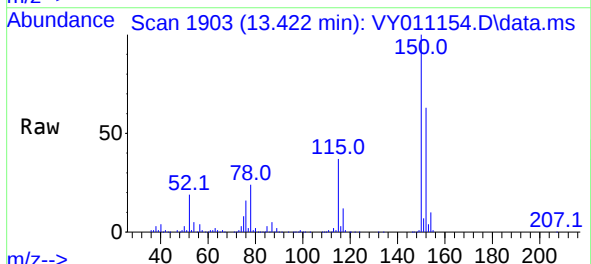
Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL01

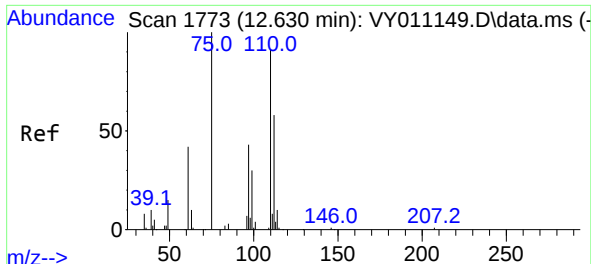
Tgt Ion:117 Resp: 403077
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.4
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY011154.D
Acq: 28 Oct 2022 13:54

Tgt Ion:152 Resp: 177359
Ion Ratio Lower Upper
152 100
115 58.4 28.2 84.7
150 159.0 0.0 347.6

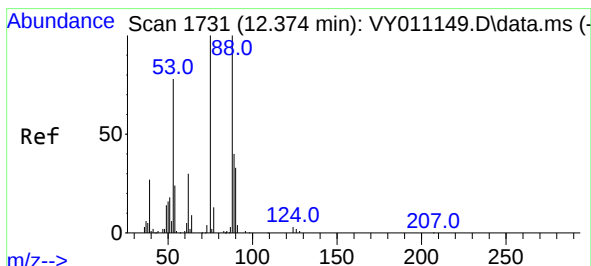
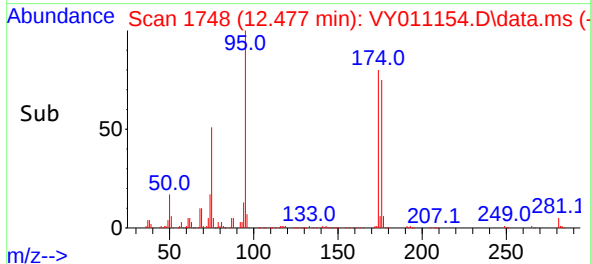
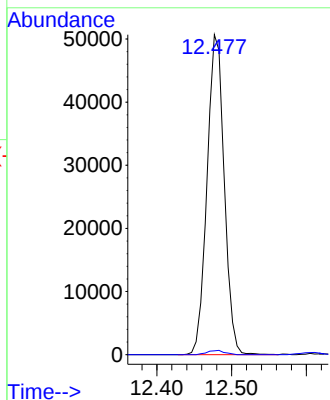
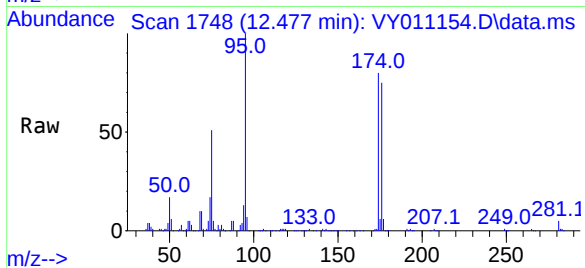




#76
1,2,3-Trichloropropane
Concen: 43.890 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011154.D
Acq: 28 Oct 2022 13:54

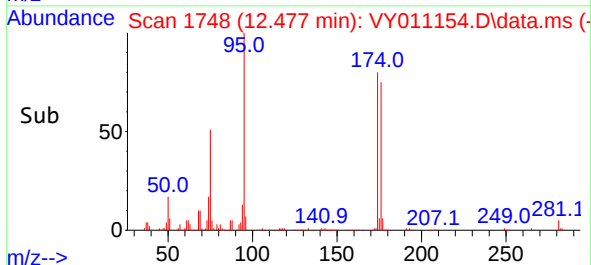
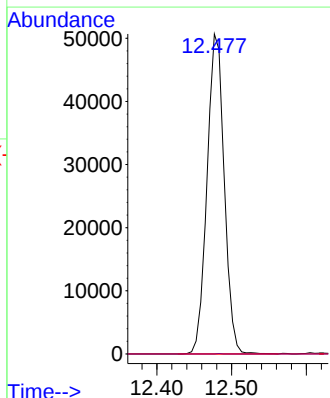
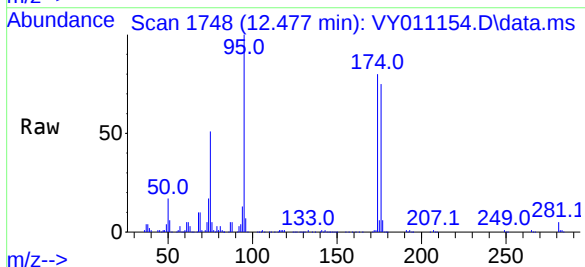
Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL01

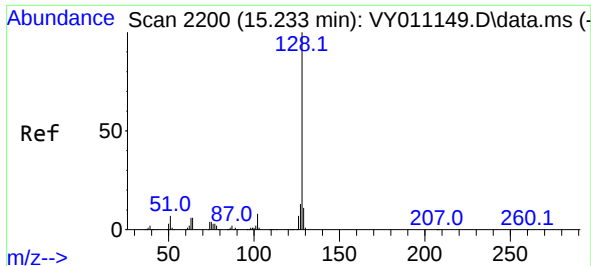
Tgt Ion: 75 Resp: 80931
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.208 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY011154.D
Acq: 28 Oct 2022 13:54

Tgt Ion: 75 Resp: 80931
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 4.650 ug/l
RT: 15.232 min Scan# 21
Delta R.T. -0.001 min
Lab File: VY011154.D
Acq: 28 Oct 2022 13:54

Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL01

Tgt Ion:128 Resp: 2064
Ion Ratio Lower Upper
128 100
127 12.4 11.0 16.4
129 7.4 8.4 12.6#

