

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120922\
 Data File : VY011742.D
 Acq On : 09 Dec 2022 13:35
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Dec 10 03:35:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 03:30:20 2022
 Response via : Initial Calibration

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

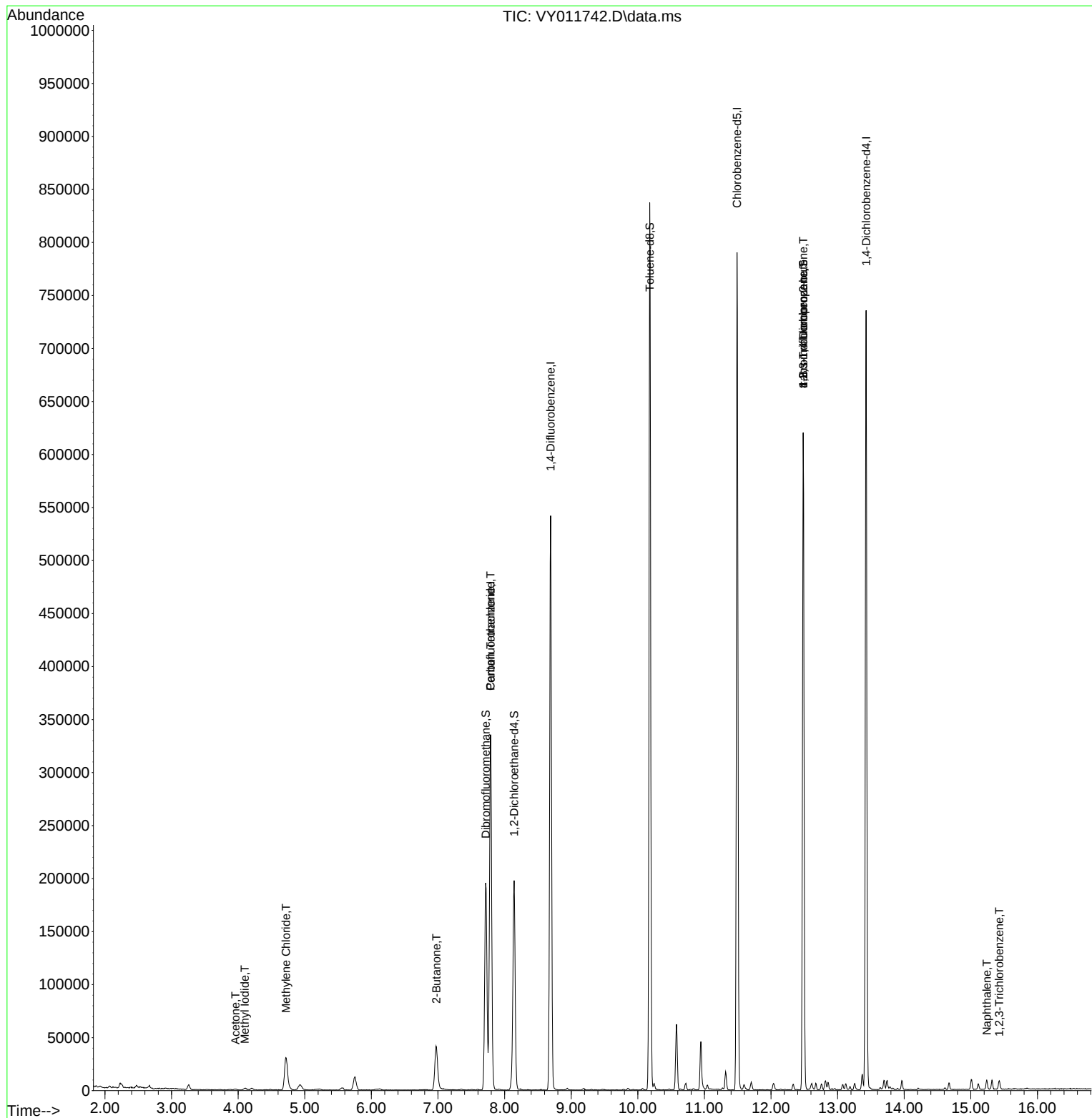
Internal Standards						
1) Pentafluorobenzene	7.789	168	260896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	457712	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	428534	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	191392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	150867	88.425	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 176.860%#	
35) Dibromofluoromethane	7.716	113	140814	70.867	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 141.740%	
50) Toluene-d8	10.179	98	543897	86.411	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 172.820%#	
62) 4-Bromofluorobenzene	12.483	95	181941	70.427	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 140.860%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	436	Below Cal		96
3) Chloromethane	2.119	50	724	Below Cal	#	74
4) Vinyl Chloride	2.247	62	89	Below Cal	#	43
5) Bromomethane	2.668	94	1315	Below Cal		95
10) Methyl Iodide	4.101	142	3082	1.230	ug/l	95
11) Tert butyl alcohol	4.936	59	5728	Below Cal	#	74
16) Acetone	3.960	43	1621	2.275	ug/l	94
18) Methyl Acetate	4.472	43	670	Below Cal	#	57
20) Methylene Chloride	4.716	84	24228	4.169	ug/l	99
25) 2-Butanone	6.978	43	2825	3.083	ug/l	# 70
31) Cyclohexane	7.789	56	5626	Below Cal	#	8
38) Carbon Tetrachloride	7.789	117	25883	6.344	ug/l	# 17
76) 1,2,3-Trichloropropane	12.483	75	93141	48.100	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	93141	109.150	ug/l	# 13
95) Naphthalene	15.239	128	7436	1.255	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	2863	1.084	ug/l	98

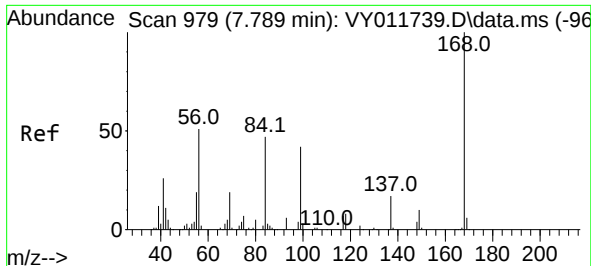
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Dec 10 03:30:20 2022
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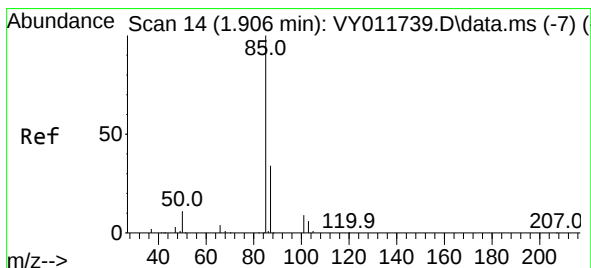
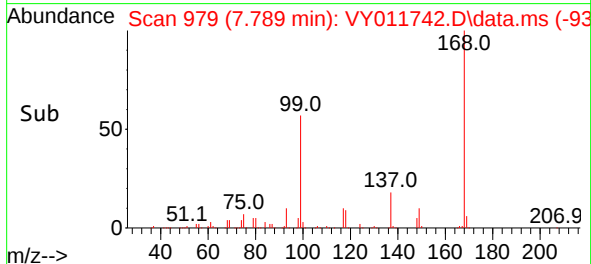
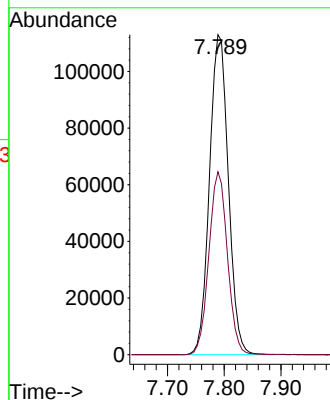
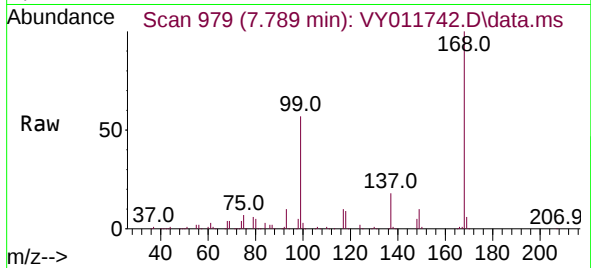




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011742.D
Acq: 09 Dec 2022 13:35

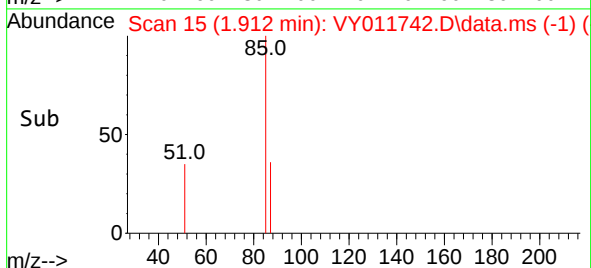
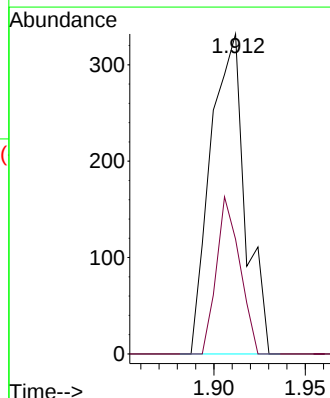
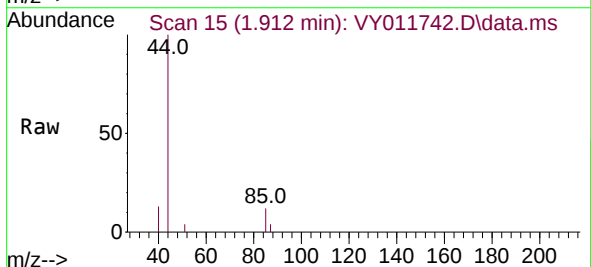
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

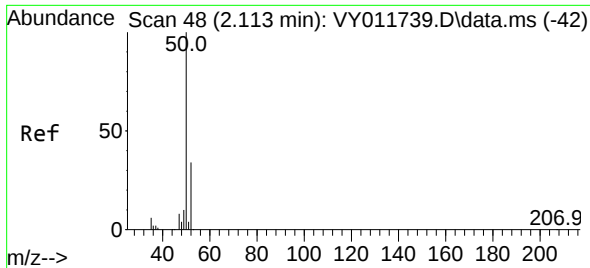
Tgt Ion:168 Resp: 260896
Ion Ratio Lower Upper
168 100
99 57.2 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY011742.D
Acq: 09 Dec 2022 13:35

Tgt Ion: 85 Resp: 436
Ion Ratio Lower Upper
85 100
87 35.8 16.8 50.4

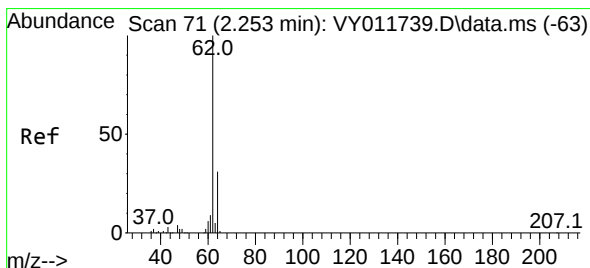
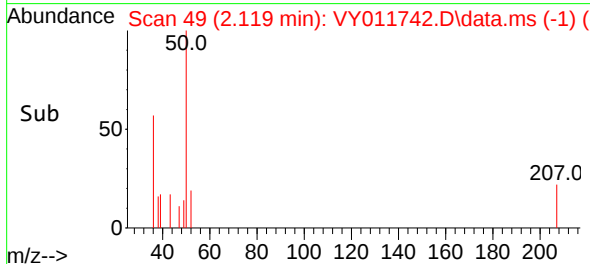
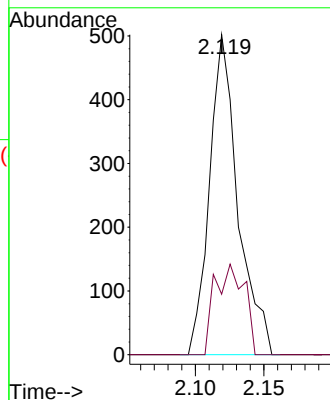
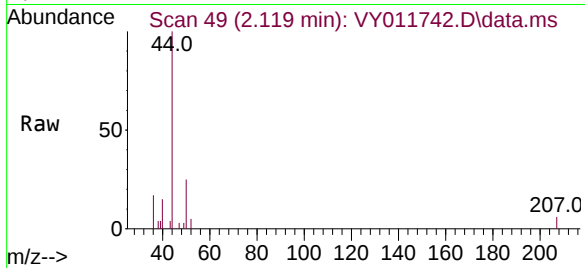




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011742.D
Acq: 09 Dec 2022 13:35

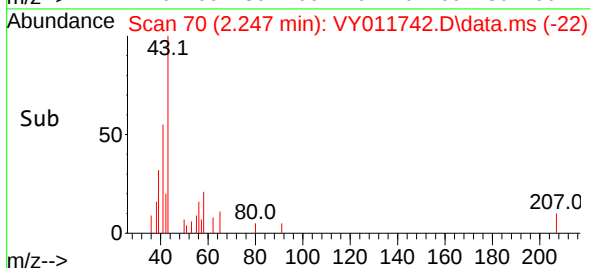
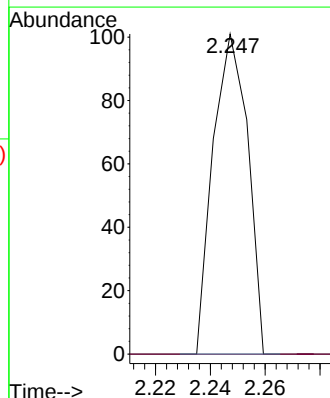
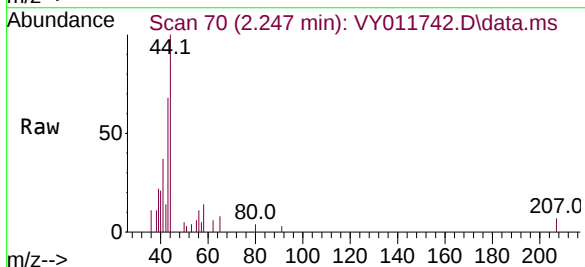
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

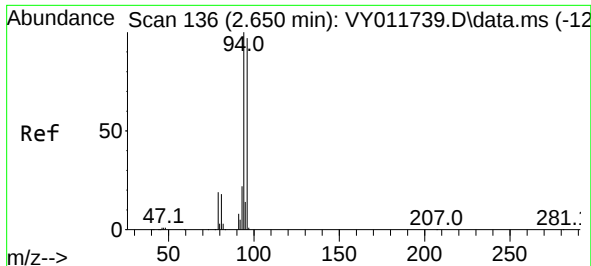
Tgt Ion: 50 Resp: 724
Ion Ratio Lower Upper
50 100
52 18.9 26.8 40.2#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. -0.006 min
Lab File: VY011742.D
Acq: 09 Dec 2022 13:35

Tgt Ion: 62 Resp: 89
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

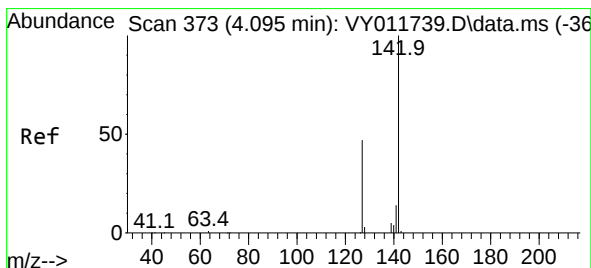
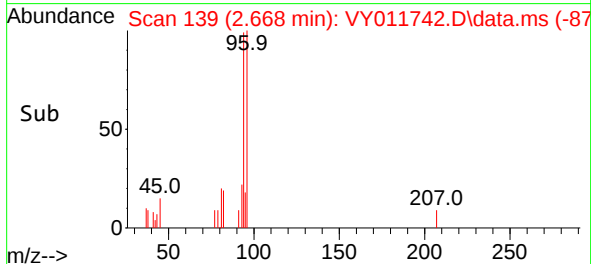
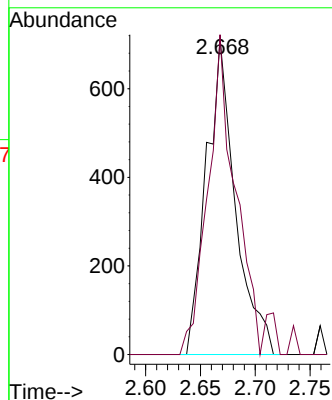
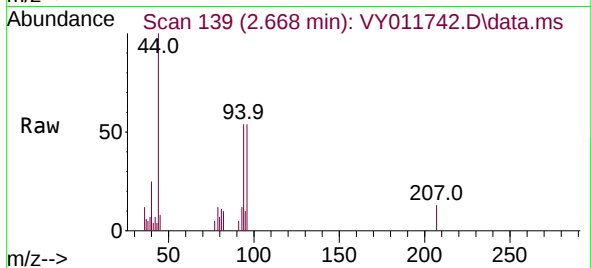




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY011742.D
Acq: 09 Dec 2022 13:35

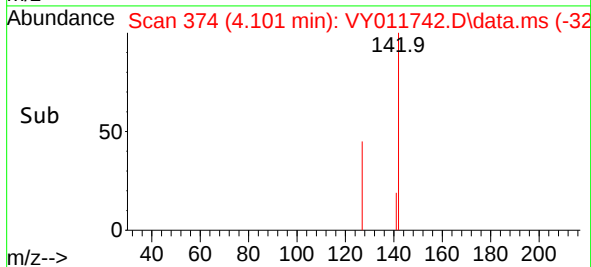
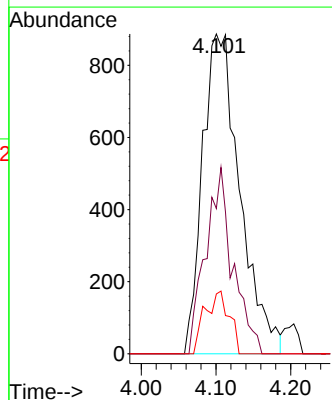
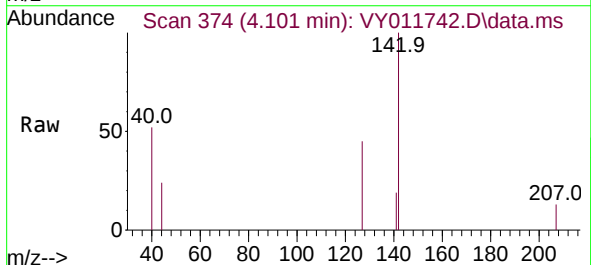
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

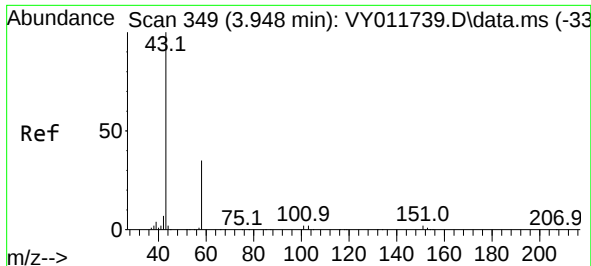
Tgt Ion: 94 Resp: 1315
Ion Ratio Lower Upper
94 100
96 101.3 77.4 116.2



#10
Methyl Iodide
Concen: 1.230 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY011742.D
Acq: 09 Dec 2022 13:35

Tgt Ion:142 Resp: 3082
Ion Ratio Lower Upper
142 100
127 42.3 37.0 55.4
141 12.7 11.4 17.0

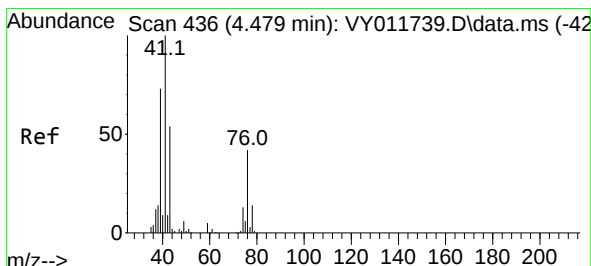
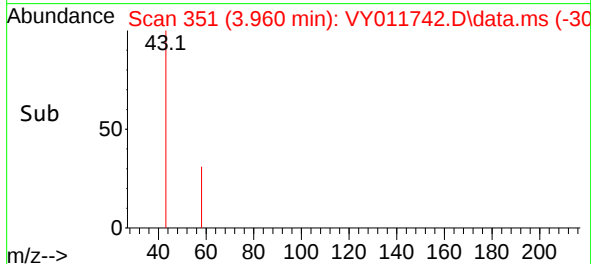
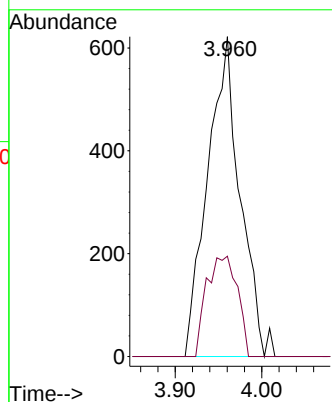
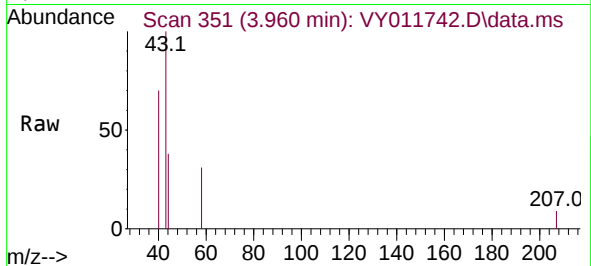




#16
Acetone
Concen: 2.275 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY011742.D
Acq: 09 Dec 2022 13:35

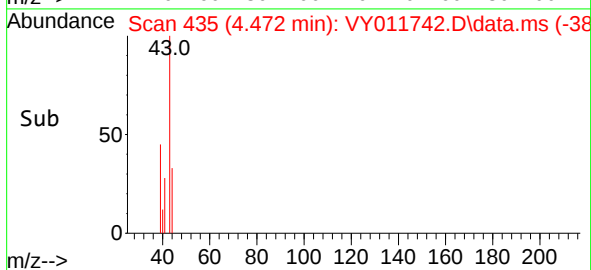
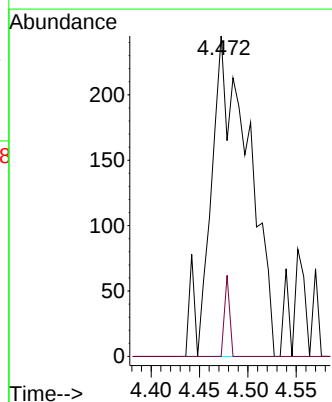
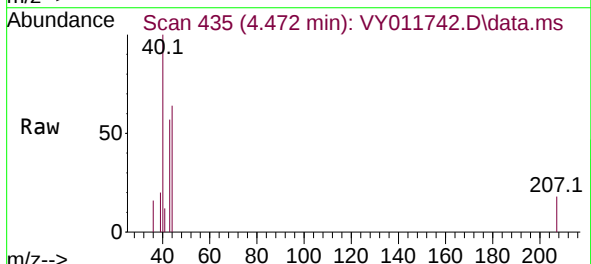
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

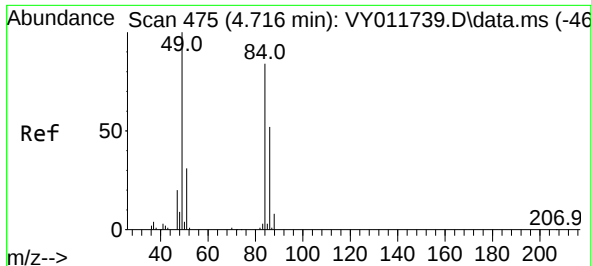
Tgt Ion: 43 Resp: 1621
Ion Ratio Lower Upper
43 100
58 31.4 27.9 41.9



#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 435
Delta R.T. -0.007 min
Lab File: VY011742.D
Acq: 09 Dec 2022 13:35

Tgt Ion: 43 Resp: 670
Ion Ratio Lower Upper
43 100
74 3.4 20.1 30.1#

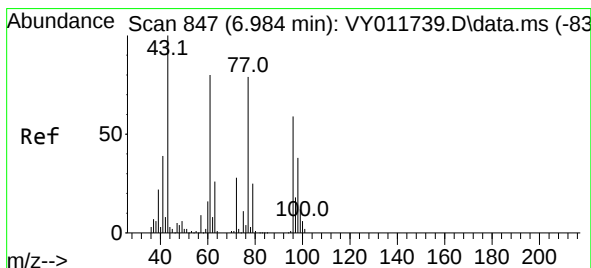
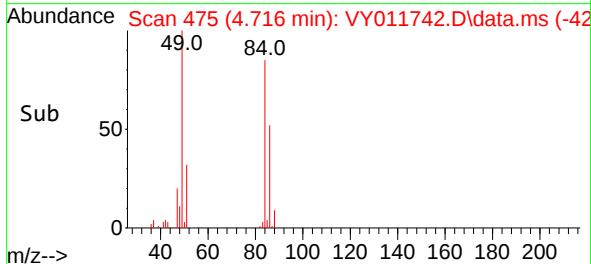
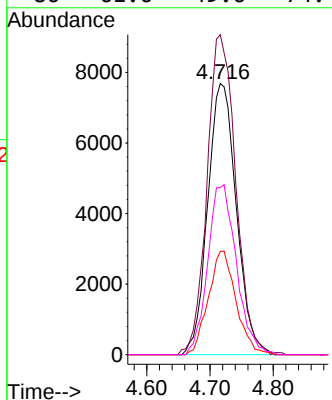
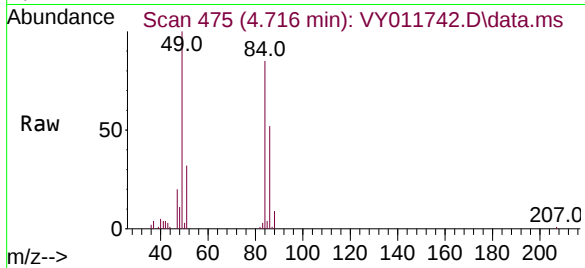




#20
Methylene Chloride
Concen: 4.169 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011742.D
Acq: 09 Dec 2022 13:35

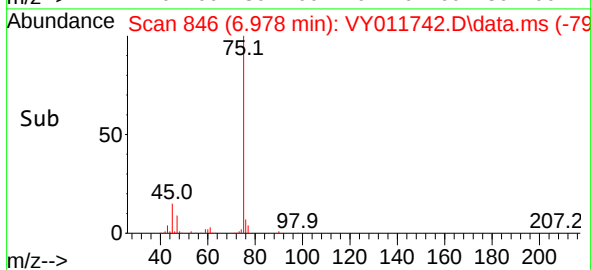
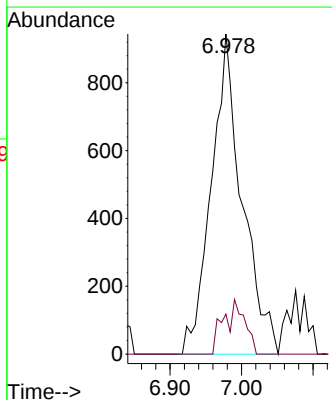
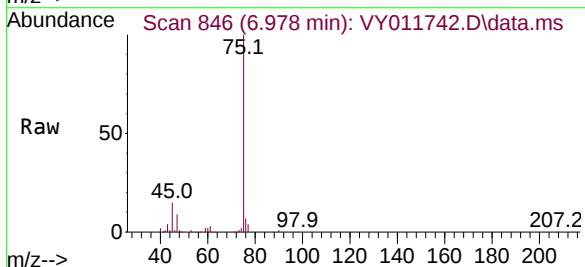
Instrument :
MSVOA_Y
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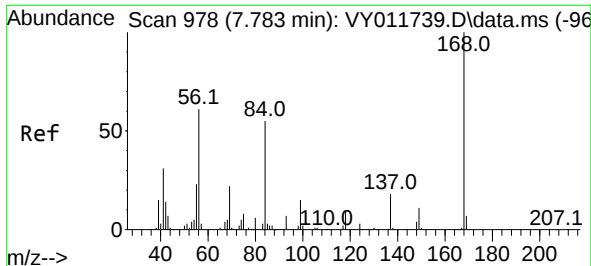
Tgt Ion:	84	Resp:	24228
Ion	Ratio	Lower	Upper
84	100		
49	118.0	95.4	143.2
51	38.1	29.9	44.9
86	61.6	49.6	74.4



#25
2-Butanone
Concen: 3.083 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY011742.D
Acq: 09 Dec 2022 13:35

Tgt Ion:	43	Resp:	2825
Ion	Ratio	Lower	Upper
43	100		
72	12.5	22.6	34.0#

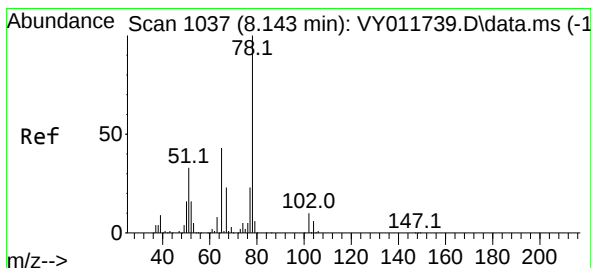
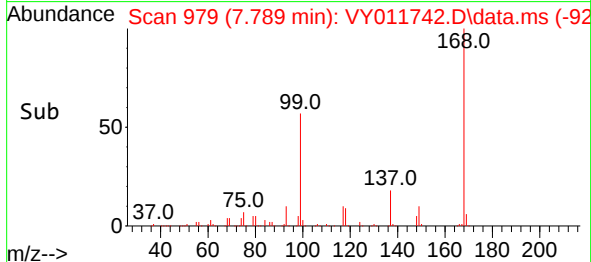
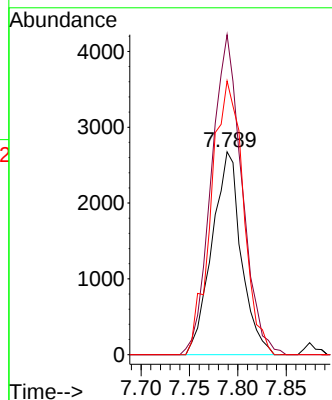
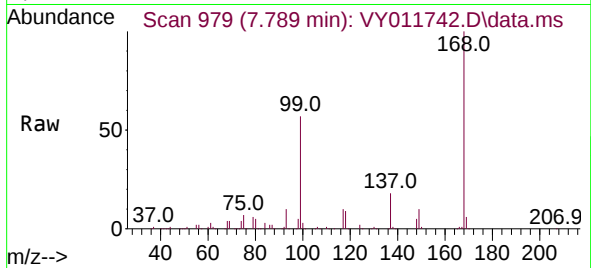




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011742.D
Acq: 09 Dec 2022 13:35

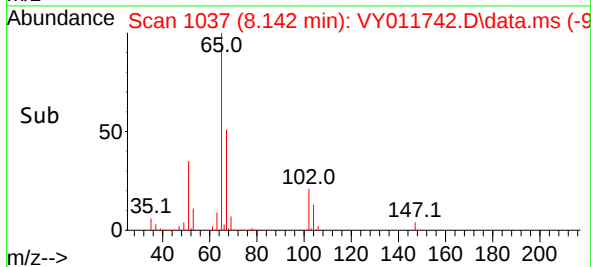
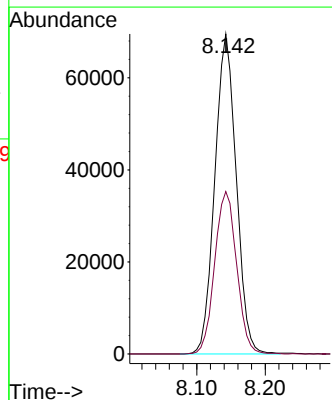
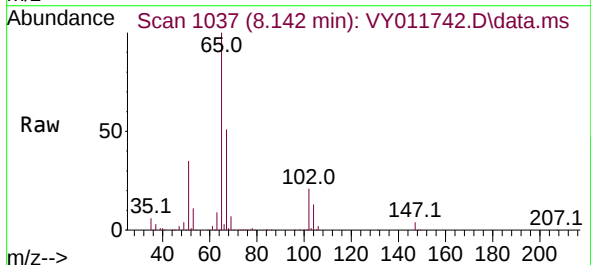
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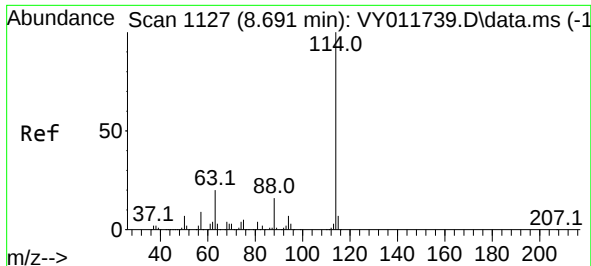
Tgt Ion: 56 Resp: 5626
Ion Ratio Lower Upper
56 100
69 157.7 29.2 43.8#
84 135.0 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 88.425 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011742.D
Acq: 09 Dec 2022 13:35

Tgt Ion: 65 Resp: 150867
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.2

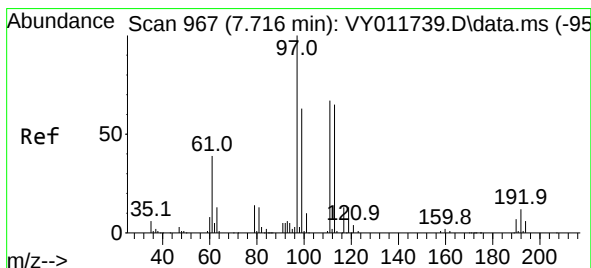
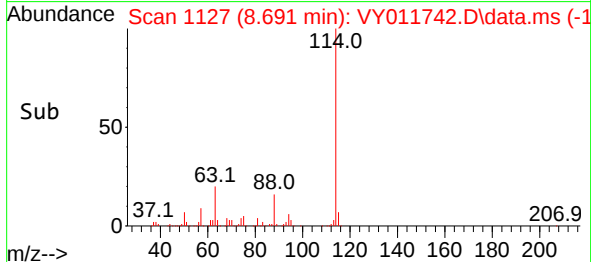
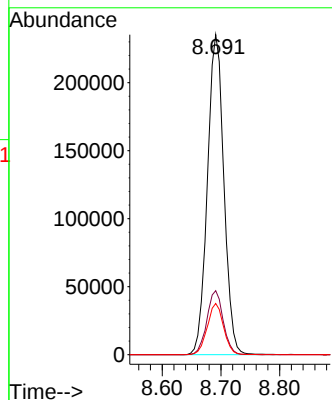
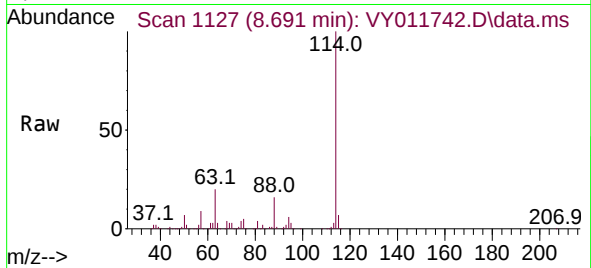




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY011742.D
Acq: 09 Dec 2022 13:35

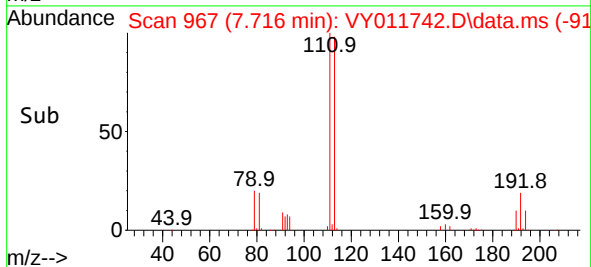
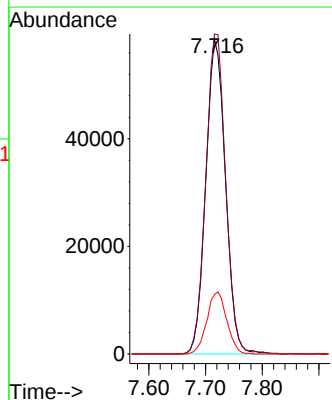
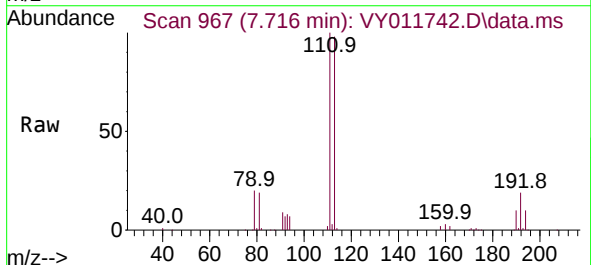
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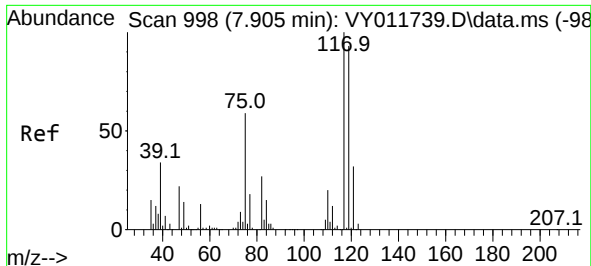
Tgt Ion:114 Resp: 457712
Ion Ratio Lower Upper
114 100
63 20.0 0.0 39.6
88 16.0 0.0 32.2



#35
Dibromofluoromethane
Concen: 70.867 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY011742.D
Acq: 09 Dec 2022 13:35

Tgt Ion:113 Resp: 140814
Ion Ratio Lower Upper
113 100
111 103.2 83.0 124.4
192 20.0 16.0 24.0

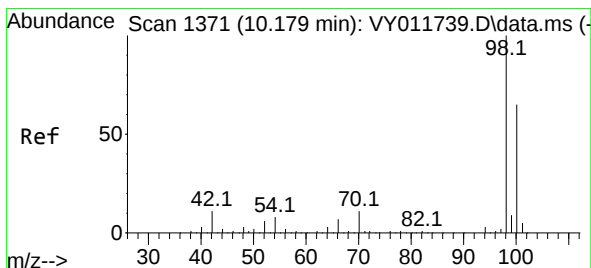
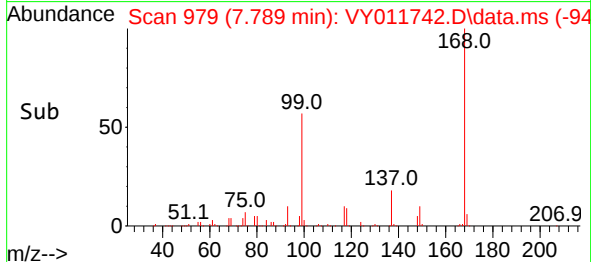
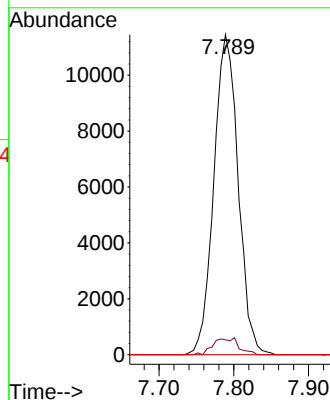
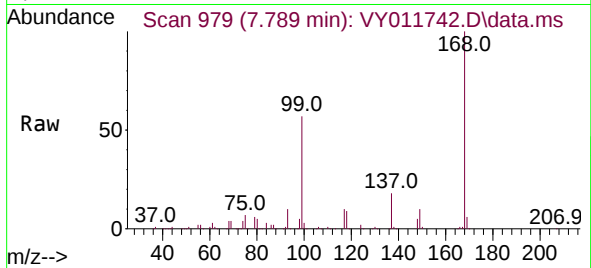




#38
Carbon Tetrachloride
Concen: 6.344 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011742.D
Acq: 09 Dec 2022 13:35

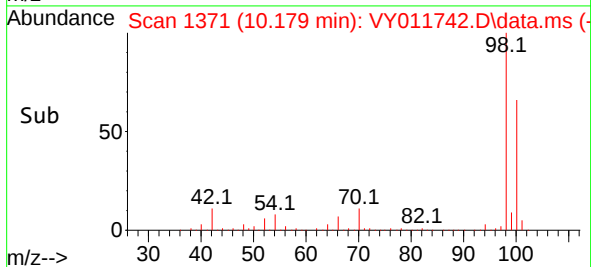
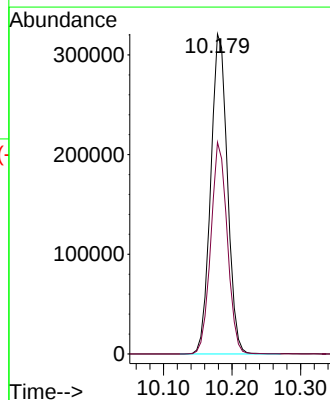
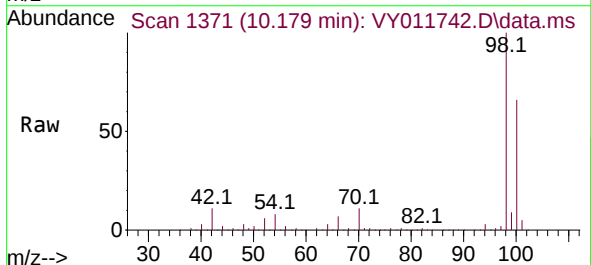
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

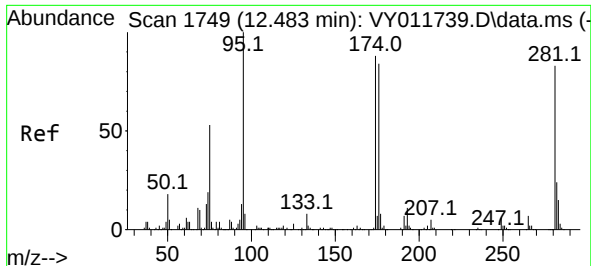
Tgt Ion:117 Resp: 25883
Ion Ratio Lower Upper
117 100
119 4.6 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 86.411 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011742.D
Acq: 09 Dec 2022 13:35

Tgt Ion: 98 Resp: 543897
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9

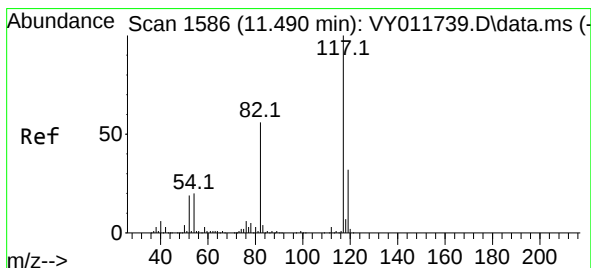
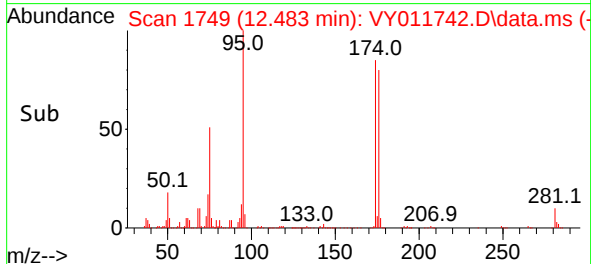
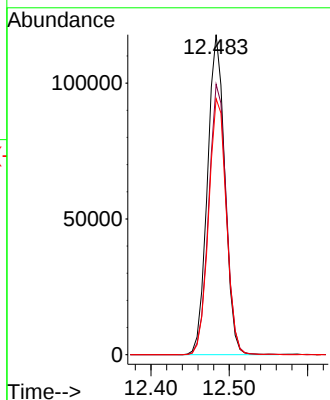
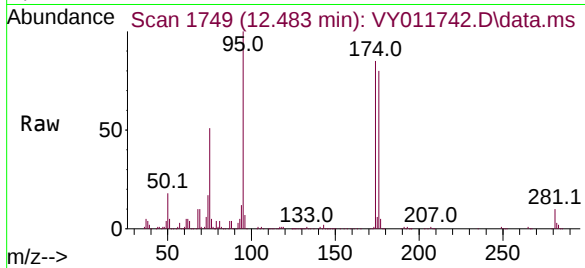




#62
4-Bromofluorobenzene
Concen: 70.427 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011742.D
Acq: 09 Dec 2022 13:35

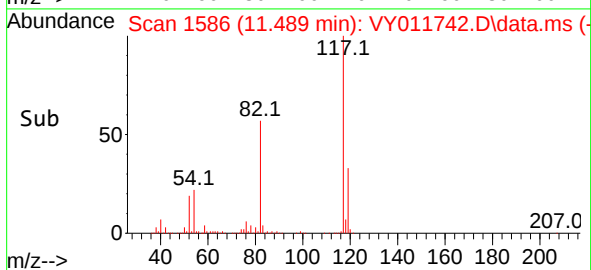
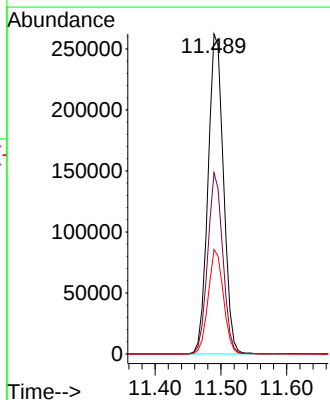
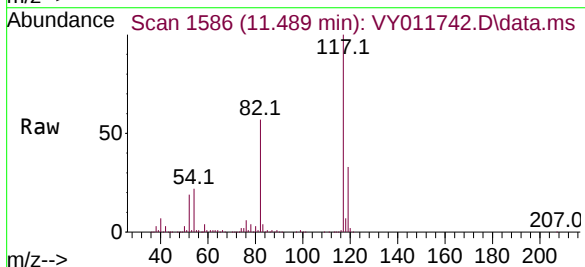
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

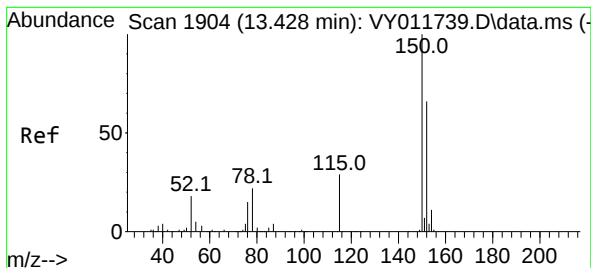
Tgt Ion: 95 Resp: 181941
Ion Ratio Lower Upper
95 100
174 85.5 0.0 172.0
176 81.4 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011742.D
Acq: 09 Dec 2022 13:35

Tgt Ion: 117 Resp: 428534
Ion Ratio Lower Upper
117 100
82 56.7 44.8 67.2
119 32.6 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY011742.D

Acq: 09 Dec 2022 13:35

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

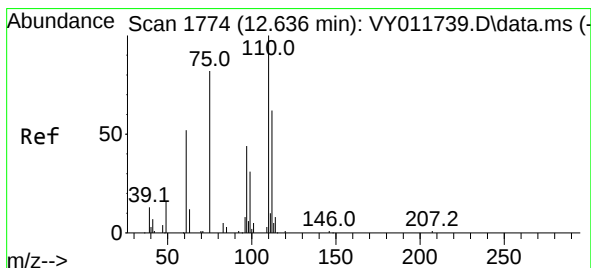
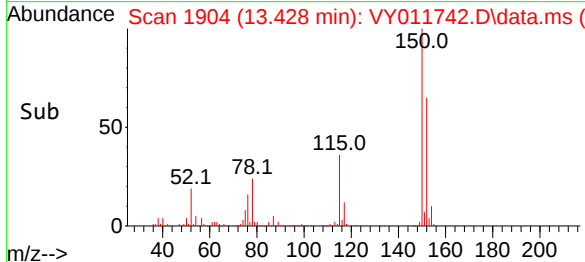
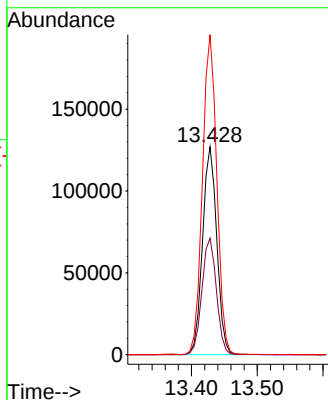
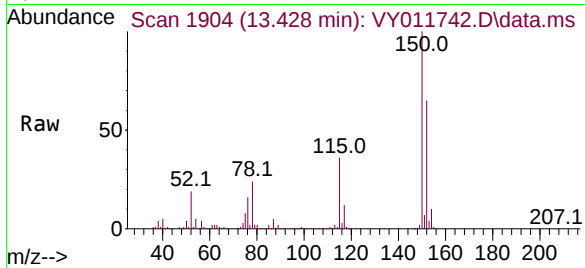
Tgt Ion:152 Resp: 191392

Ion Ratio Lower Upper

152 100

115 57.1 29.1 87.3

150 155.4 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 48.100 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY011742.D

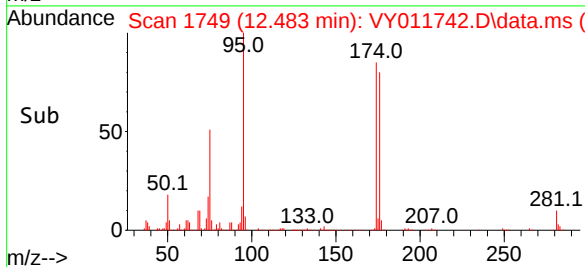
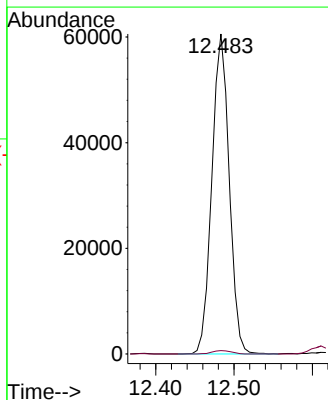
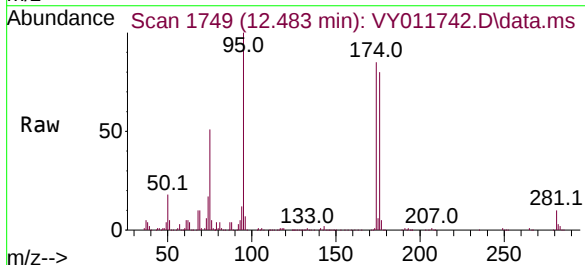
Acq: 09 Dec 2022 13:35

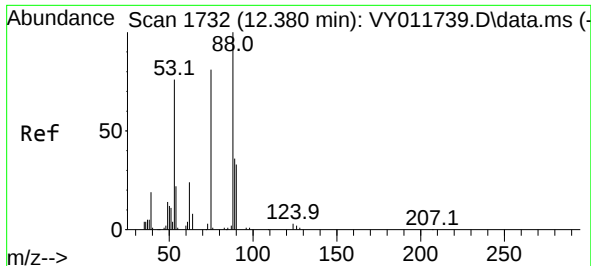
Tgt Ion: 75 Resp: 93141

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

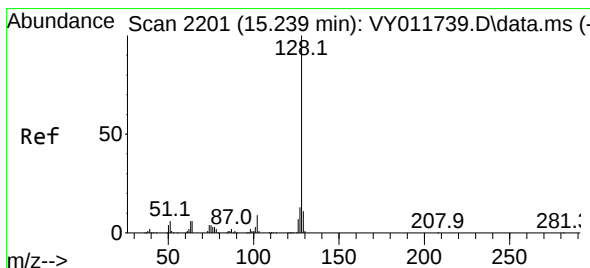
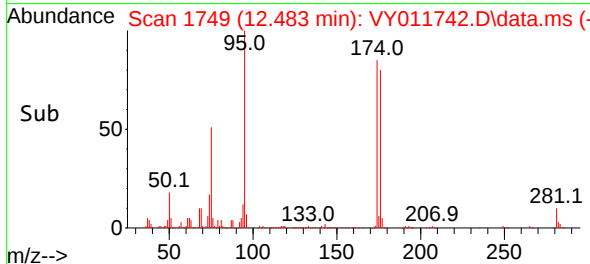
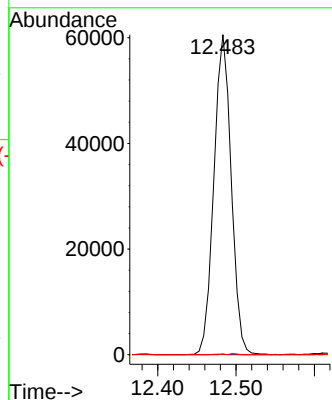
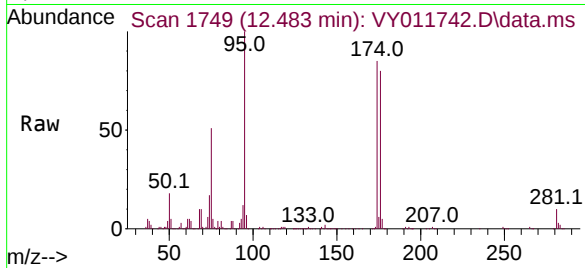




#81
trans-1,4-Dichloro-2-butene
Concen: 109.150 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011742.D
Acq: 09 Dec 2022 13:35

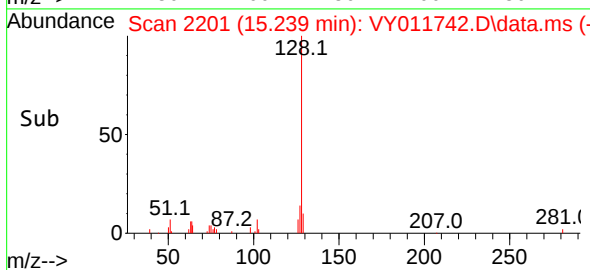
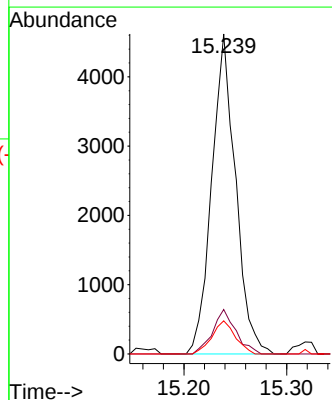
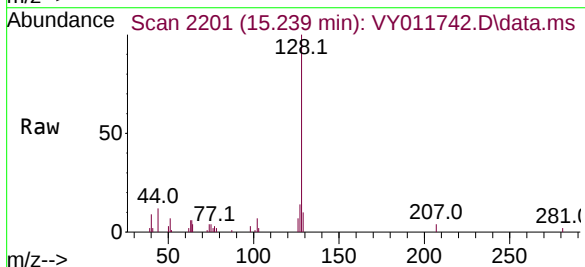
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

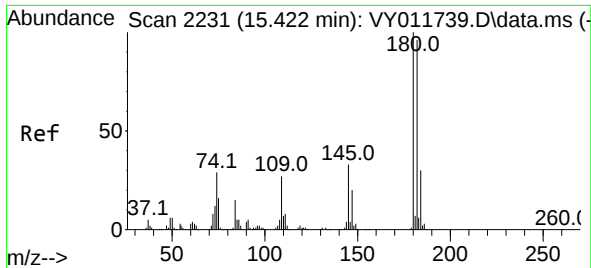
Tgt Ion: 75 Resp: 93141
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.2 37.0 55.4#



#95
Naphthalene
Concen: 1.255 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY011742.D
Acq: 09 Dec 2022 13:35

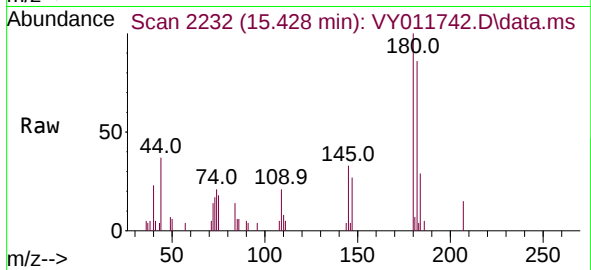
Tgt Ion: 128 Resp: 7436
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.2
129 10.1 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 1.084 ug/l
 RT: 15.428 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY011742.D
 Acq: 09 Dec 2022 13:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK



Tgt Ion:	180	Resp:	2863
Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.9	143.7
145	33.7	16.1	48.2

