

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100322\
 Data File : VY010765.D
 Acq On : 03 Oct 2022 14:06
 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: Oct 04 07:27:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

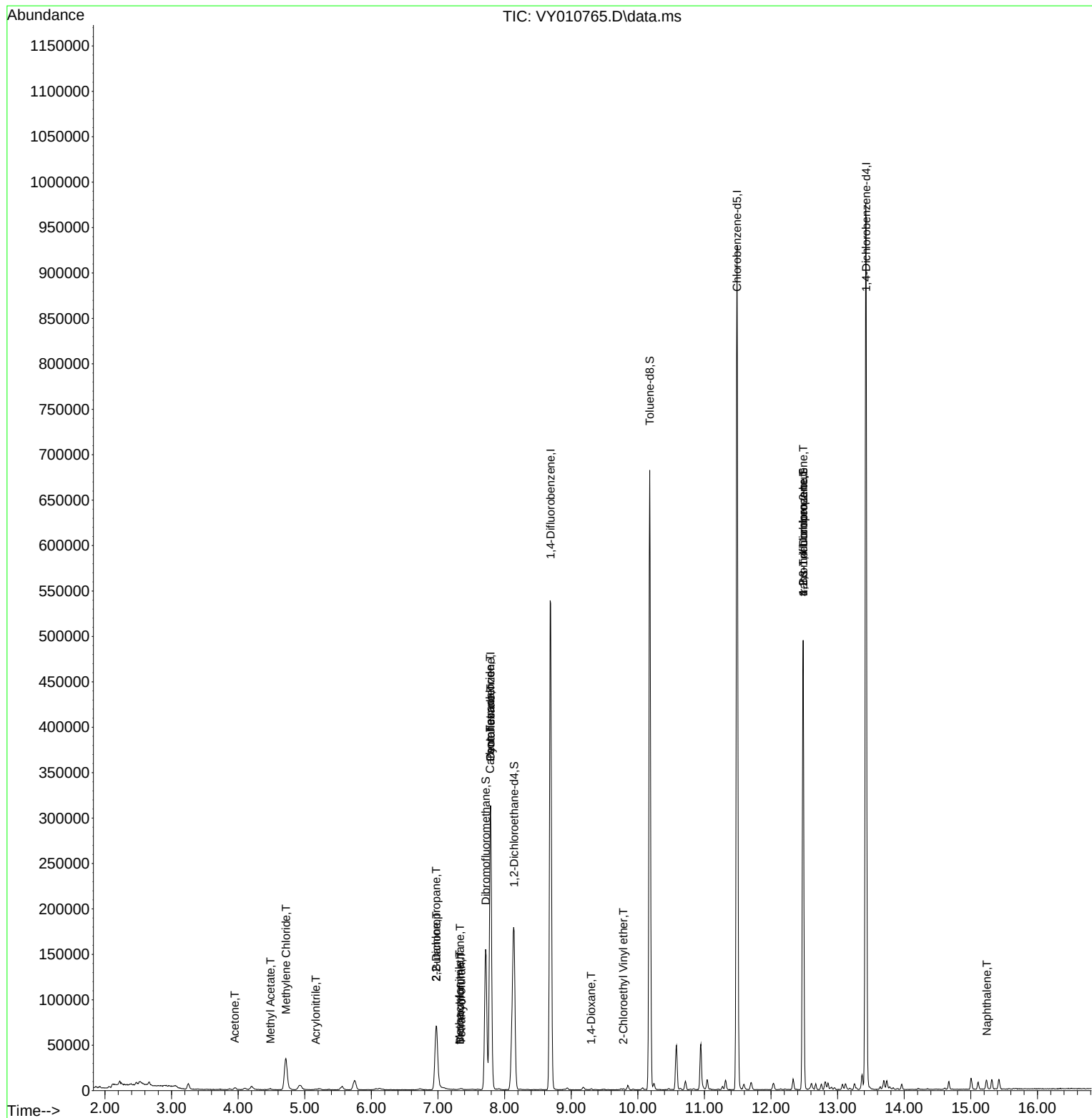
Internal Standards						
1) Pentafluorobenzene	7.789	168	245077	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	475464	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	501838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	257181	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	120936	48.683	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.360%
35) Dibromofluoromethane	7.716	113	110631	35.052	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	70.100%
50) Toluene-d8	10.179	98	437600	40.542	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	81.080%
62) 4-Bromofluorobenzene	12.483	95	144546	33.029	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	66.060%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.917	59	5516	Below Cal	#	77
13) Acrolein	3.747	56	230	Below Cal		85
15) Acrylonitrile	5.167	53	932	1.436	ug/l	96
16) Acetone	3.948	43	3398	5.386	ug/l #	89
18) Methyl Acetate	4.484	43	1828	1.134	ug/l	92
20) Methylene Chloride	4.716	84	26605	4.916	ug/l #	81
25) 2-Butanone	6.978	43	4604	5.076	ug/l #	89
26) 2,2-Dichloropropane	6.972	77	5493	1.249	ug/l #	55
28) Bromochloromethane	7.332	49	254	4.846	ug/l #	85
29) Tetrahydrofuran	7.350	42	612	1.147	ug/l #	90
31) Cyclohexane	7.789	56	5648	1.270	ug/l #	6
38) Carbon Tetrachloride	7.783	117	23617	4.977	ug/l #	15
41) Methacrylonitrile	7.325	41	268	2.775	ug/l #	1
49) 1,4-Dioxane	9.301	88	27	1.212	ug/l #	20
58) 2-Chloroethyl Vinyl ether	9.782	63	559	26.095	ug/l	90
76) 1,2,3-Trichloropropane	12.483	75	74537	28.619	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	74537	59.783	ug/l #	7
95) Naphthalene	15.239	128	8825	1.028	ug/l	97

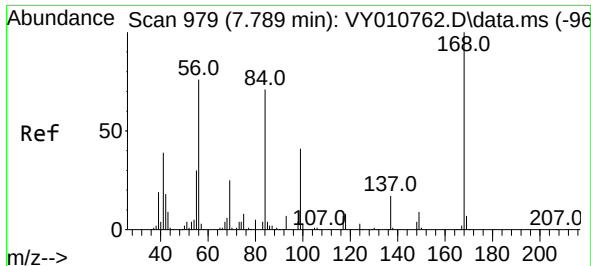
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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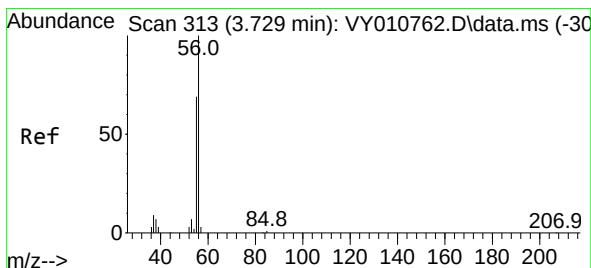
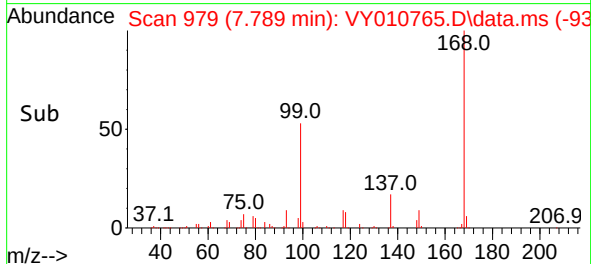
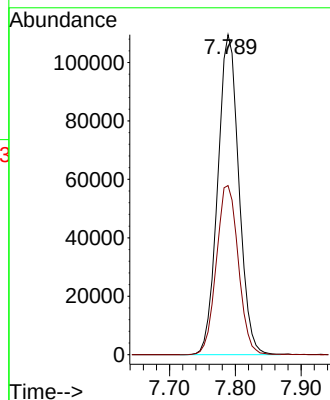
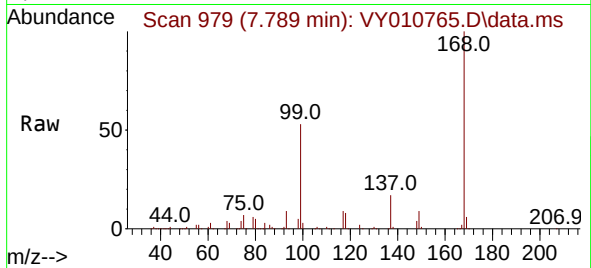




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010765.D
Acq: 03 Oct 2022 14:06

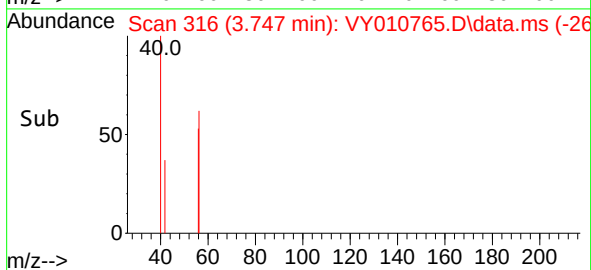
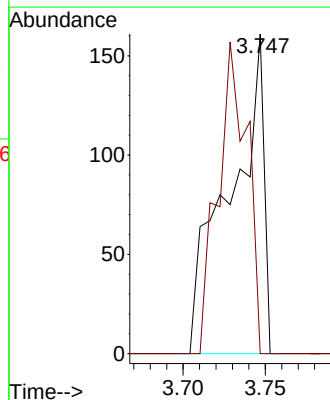
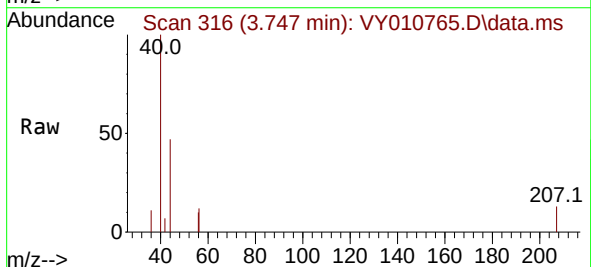
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

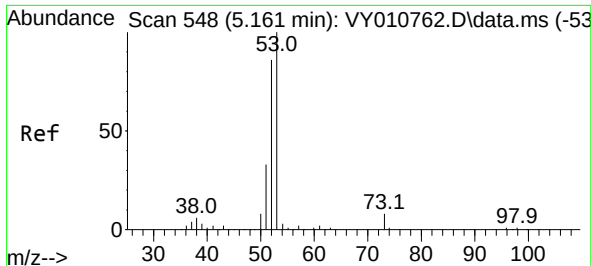
Tgt Ion:168 Resp: 245077
Ion Ratio Lower Upper
168 100
99 52.8 46.9 70.3



#13
Acrolein
Concen: Below Cal
RT: 3.747 min Scan# 316
Delta R.T. 0.018 min
Lab File: VY010765.D
Acq: 03 Oct 2022 14:06

Tgt Ion: 56 Resp: 230
Ion Ratio Lower Upper
56 100
55 84.3 57.6 86.4

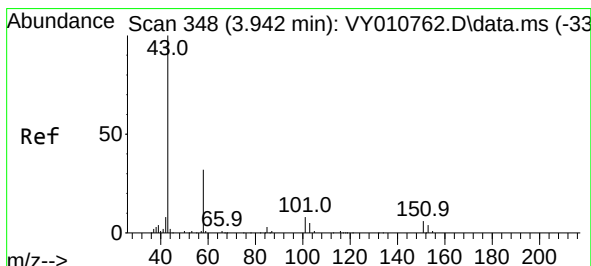
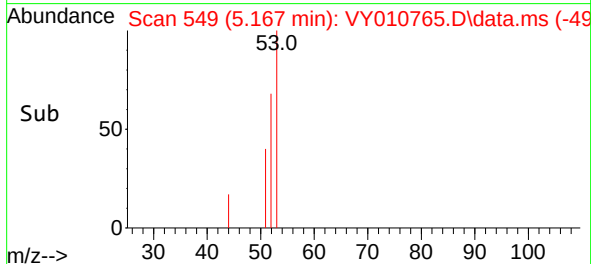
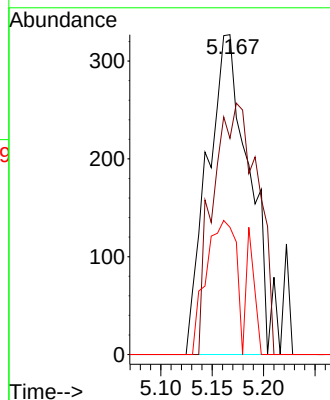
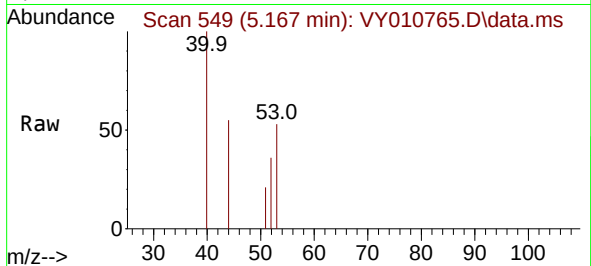




#15
Acrylonitrile
Concen: 1.436 ug/l
RT: 5.167 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY010765.D
Acq: 03 Oct 2022 14:06

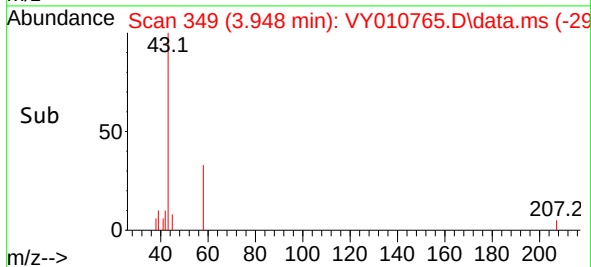
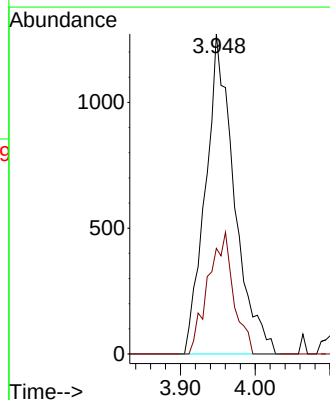
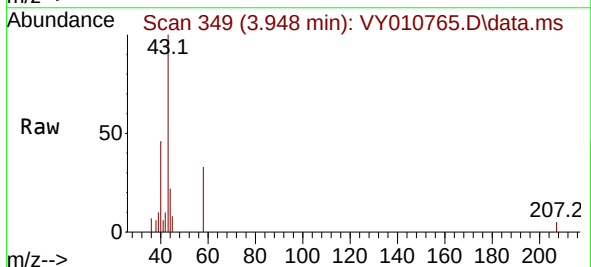
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

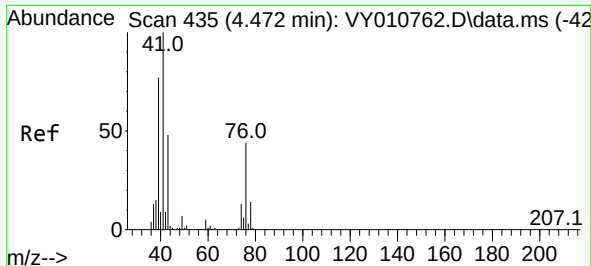
Tgt Ion: 53	Resp:	932	
Ion	Ratio	Lower	Upper
53	100		
52	83.8	67.0	100.4
51	29.9	29.8	44.6



#16
Acetone
Concen: 5.386 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY010765.D
Acq: 03 Oct 2022 14:06

Tgt Ion: 43	Resp:	3398	
Ion	Ratio	Lower	Upper
43	100		
58	33.0	22.0	33.0#

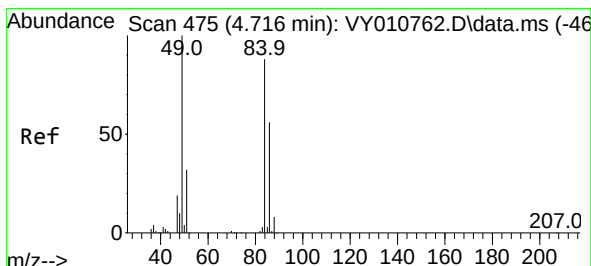
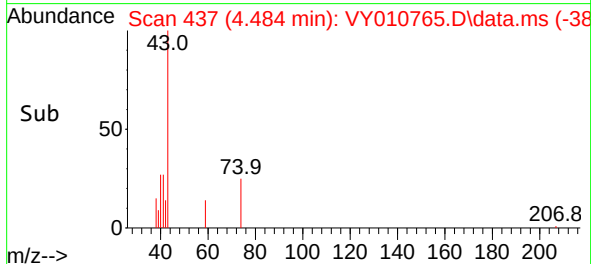
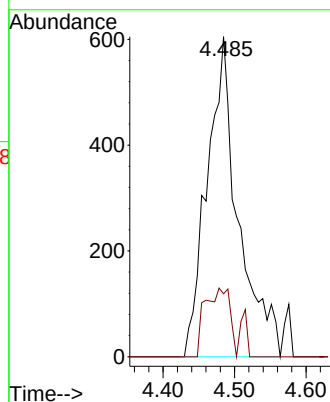
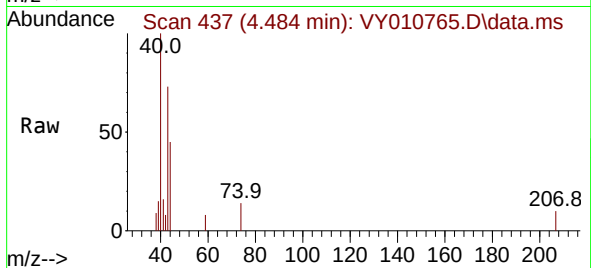




#18
Methyl Acetate
Concen: 1.134 ug/l
RT: 4.484 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY010765.D
Acq: 03 Oct 2022 14:06

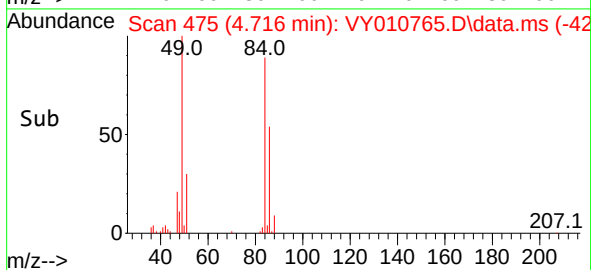
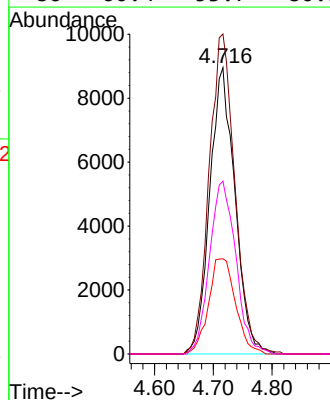
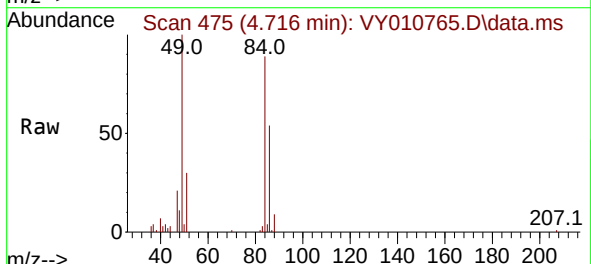
Instrument :
MSVOA_Y
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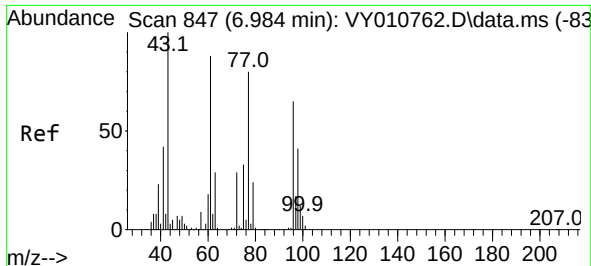
Tgt Ion: 43 Resp: 1828
Ion Ratio Lower Upper
43 100
74 17.1 16.6 24.8



#20
Methylene Chloride
Concen: 4.916 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY010765.D
Acq: 03 Oct 2022 14:06

Tgt Ion: 84 Resp: 26605
Ion Ratio Lower Upper
84 100
49 111.8 114.4 171.6#
51 33.3 35.3 52.9#
86 60.4 53.7 80.5

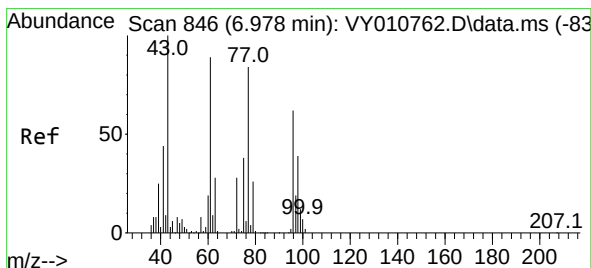
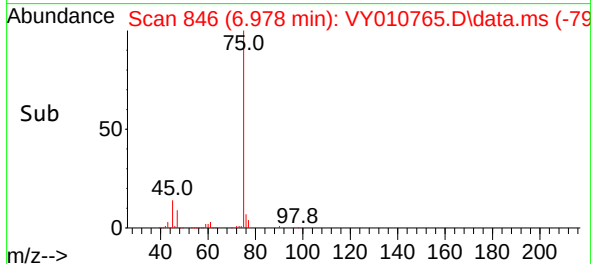
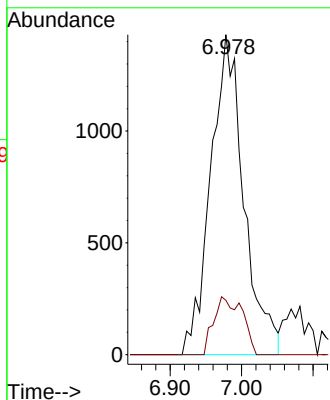
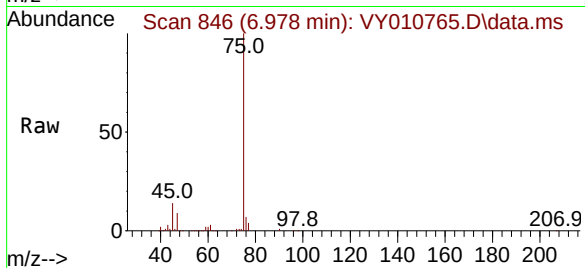




#25
2-Butanone
Concen: 5.076 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY010765.D
Acq: 03 Oct 2022 14:06

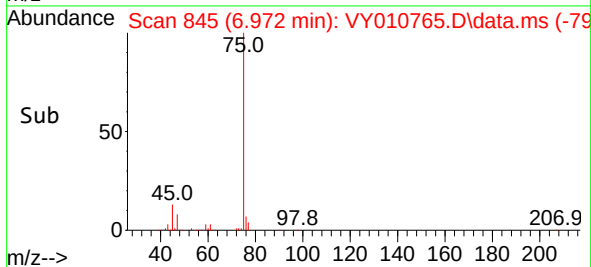
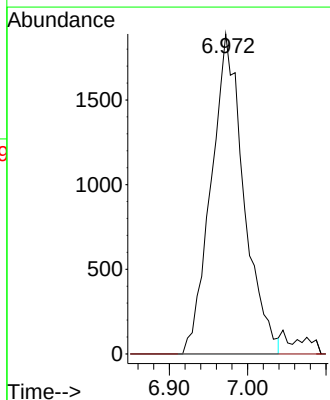
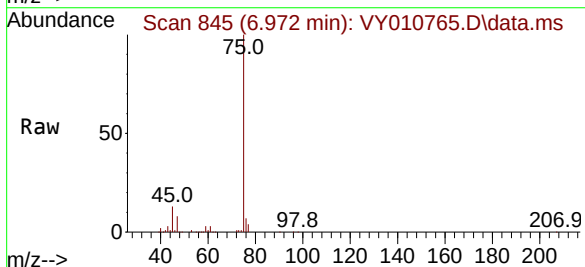
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

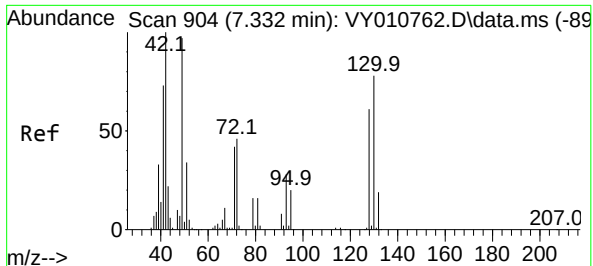
Tgt Ion: 43 Resp: 4604
Ion Ratio Lower Upper
43 100
72 17.0 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 1.249 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY010765.D
Acq: 03 Oct 2022 14:06

Tgt Ion: 77 Resp: 5493
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#

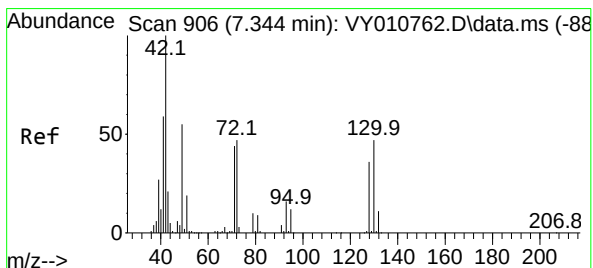
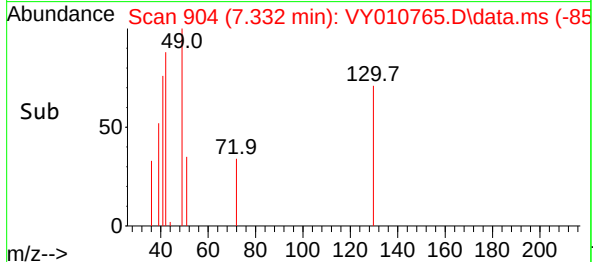
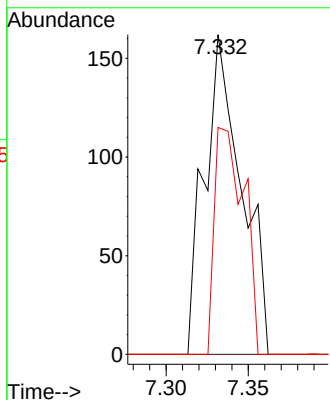
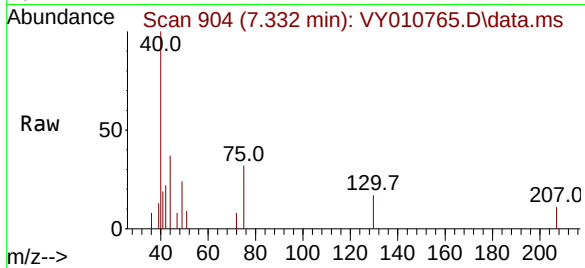




#28
Bromochloromethane
Concen: 4.846 ug/l
RT: 7.332 min Scan# 904
Delta R.T. -0.000 min
Lab File: VY010765.D
Acq: 03 Oct 2022 14:06

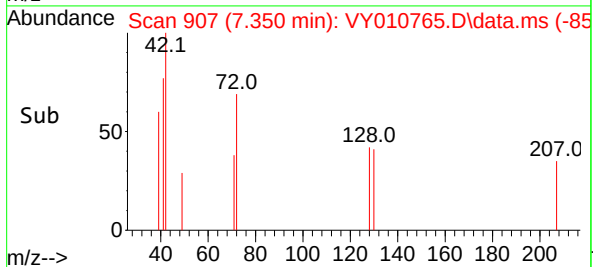
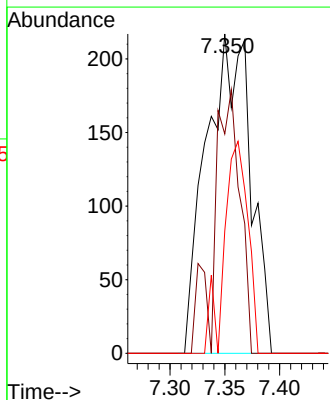
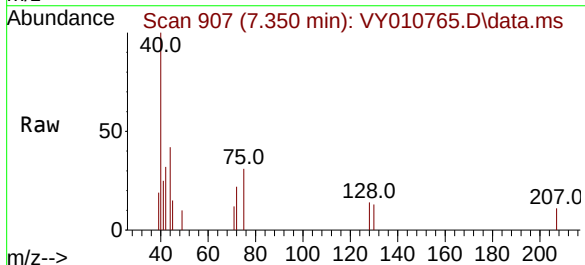
Instrument :
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ClientSampleId :
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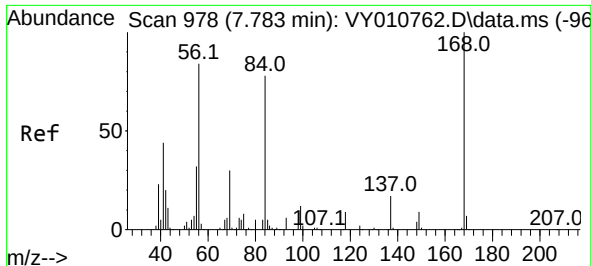
Tgt Ion: 49 Resp: 254
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 56.7 55.4 83.0



#29
Tetrahydrofuran
Concen: 1.147 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY010765.D
Acq: 03 Oct 2022 14:06

Tgt Ion: 42 Resp: 612
Ion Ratio Lower Upper
42 100
72 48.4 30.3 45.5#
71 35.5 29.0 43.4

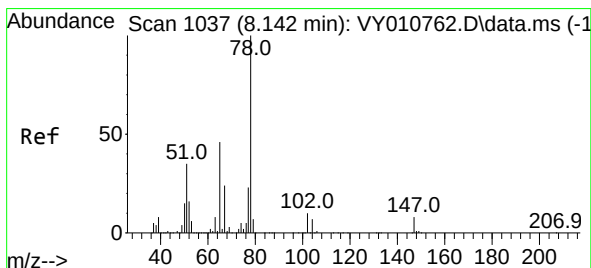
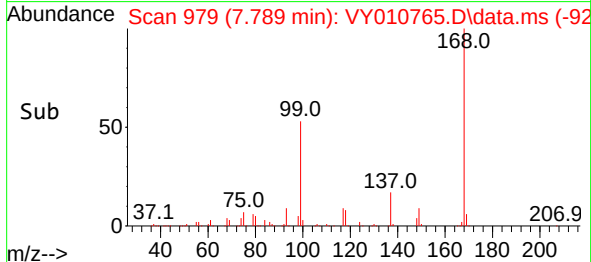
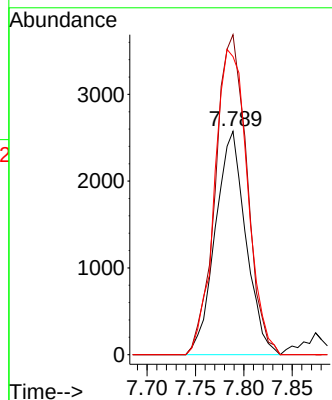
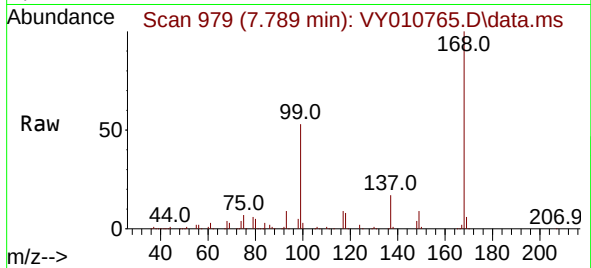




#31
Cyclohexane
Concen: 1.270 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010765.D
Acq: 03 Oct 2022 14:06

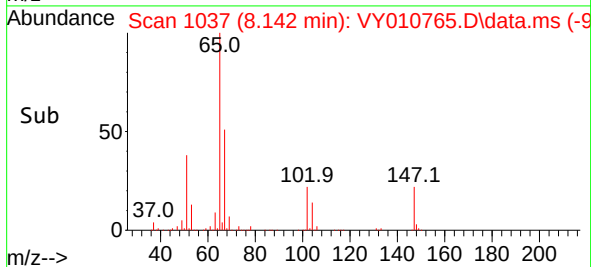
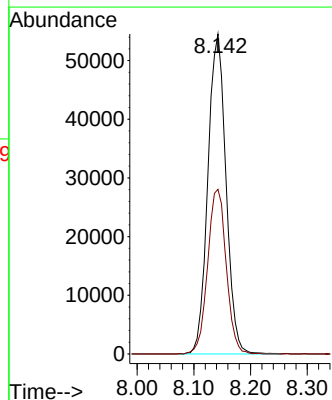
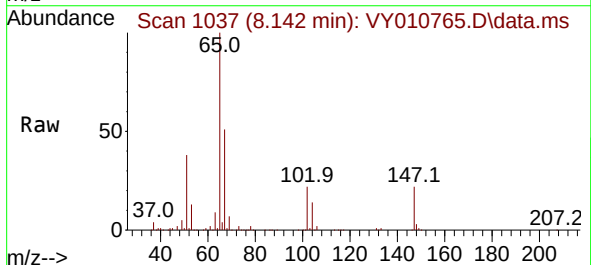
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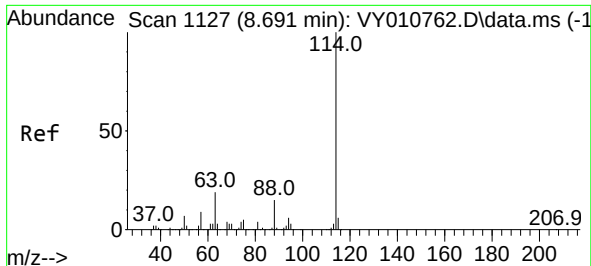
Tgt Ion: 56 Resp: 5648
Ion Ratio Lower Upper
56 100
69 143.2 26.7 40.1#
84 133.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 48.683 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY010765.D
Acq: 03 Oct 2022 14:06

Tgt Ion: 65 Resp: 120936
Ion Ratio Lower Upper
65 100
67 52.8 0.0 99.4

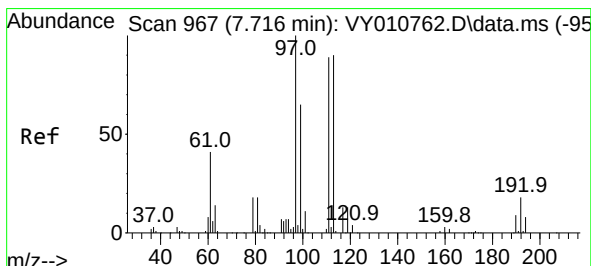
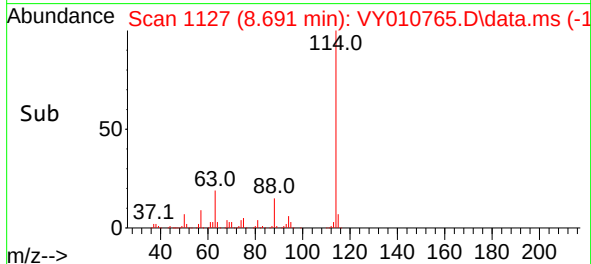
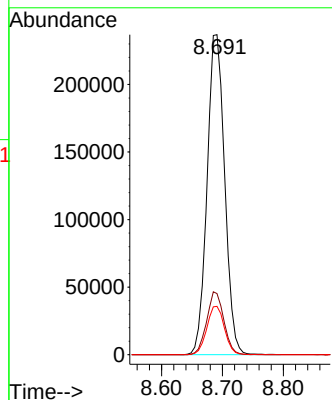
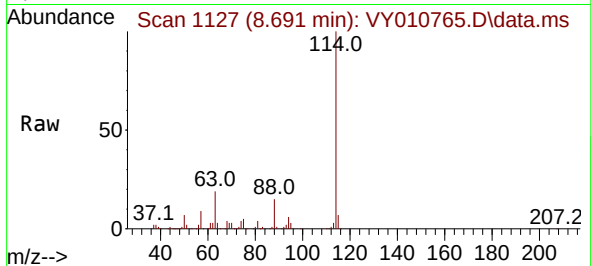




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY010765.D
Acq: 03 Oct 2022 14:06

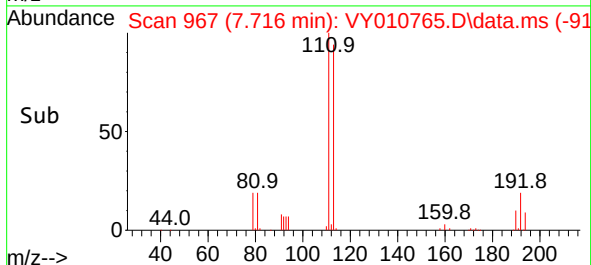
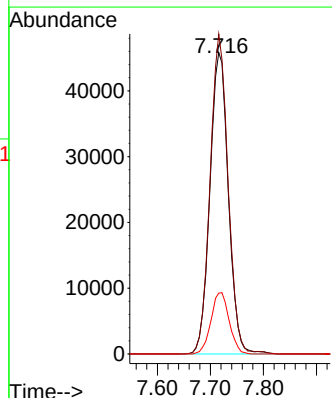
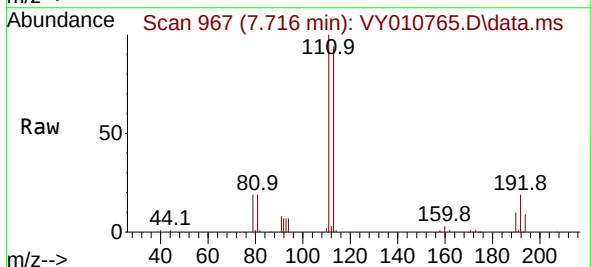
Instrument :
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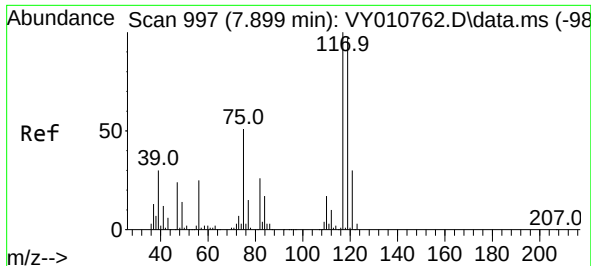
Tgt Ion:114 Resp: 475464
Ion Ratio Lower Upper
114 100
63 19.1 0.0 43.2
88 15.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 35.052 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY010765.D
Acq: 03 Oct 2022 14:06

Tgt Ion:113 Resp: 110631
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 20.1 17.6 26.4

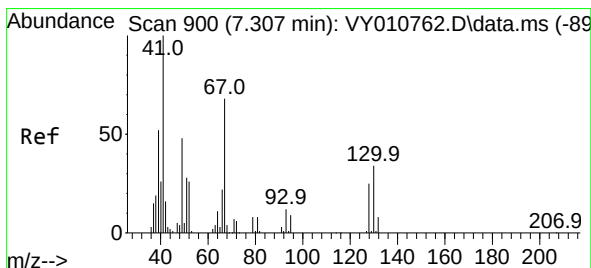
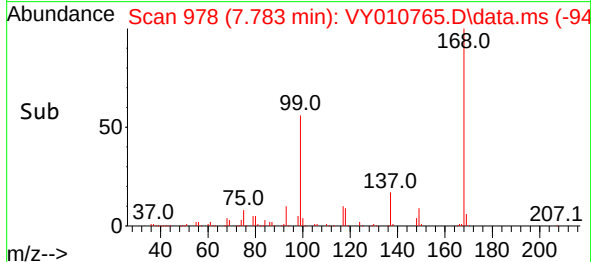
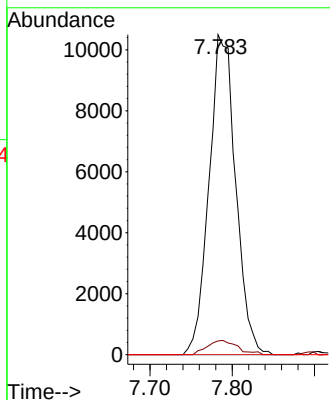
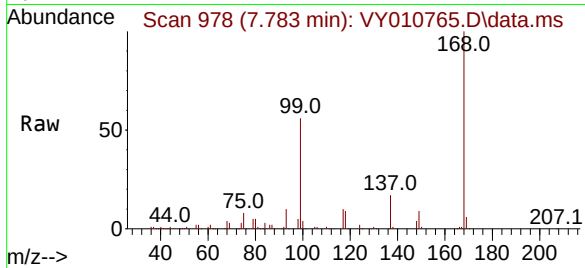




#38
Carbon Tetrachloride
Concen: 4.977 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY010765.D
Acq: 03 Oct 2022 14:06

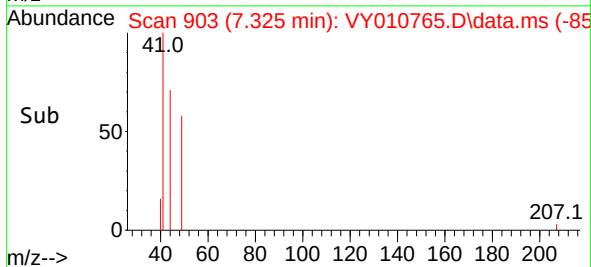
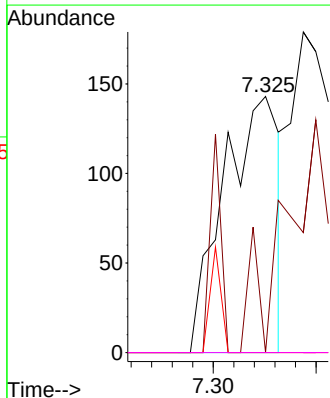
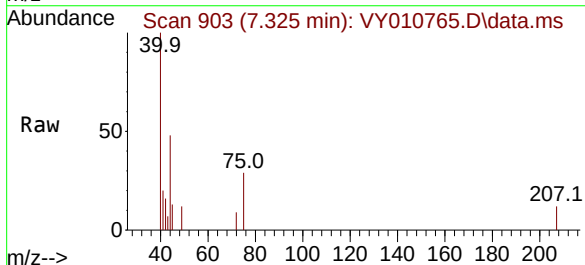
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

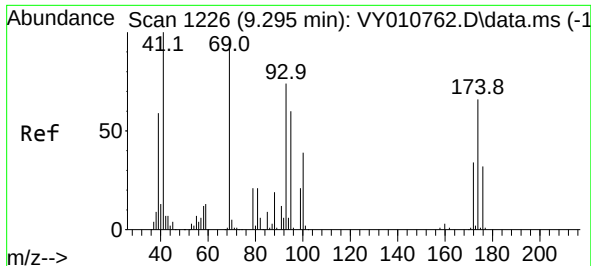
Tgt Ion:117 Resp: 23617
Ion Ratio Lower Upper
117 100
119 4.3 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 2.775 ug/l
RT: 7.325 min Scan# 903
Delta R.T. 0.018 min
Lab File: VY010765.D
Acq: 03 Oct 2022 14:06

Tgt Ion: 41 Resp: 268
Ion Ratio Lower Upper
41 100
39 0.0 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0





#49

1,4-Dioxane

Concen: 1.212 ug/l

RT: 9.301 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY010765.D

Acq: 03 Oct 2022 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

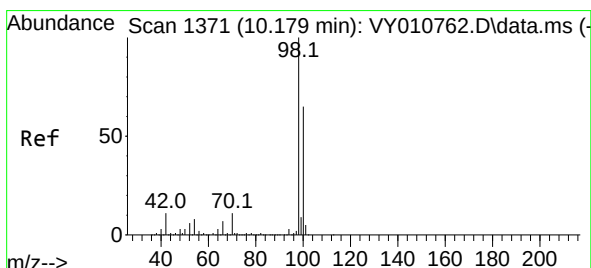
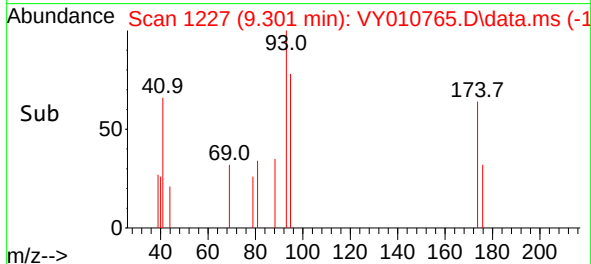
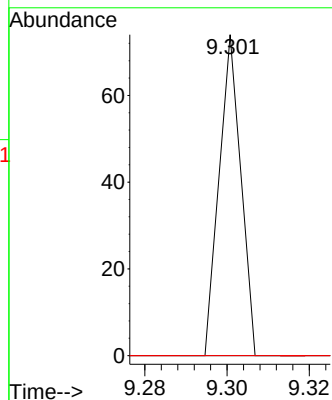
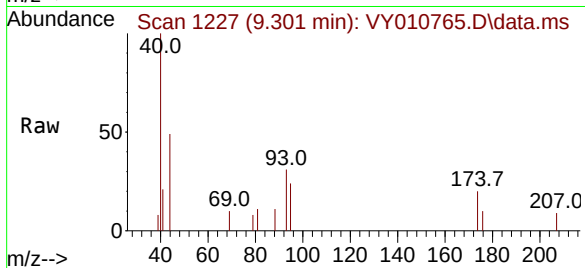
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 0.0 32.8 49.2#

58 0.0 59.8 89.6#



#50

Toluene-d8

Concen: 40.542 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY010765.D

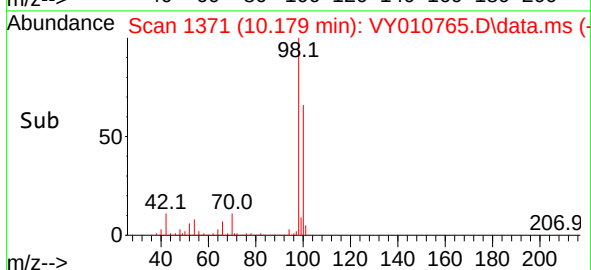
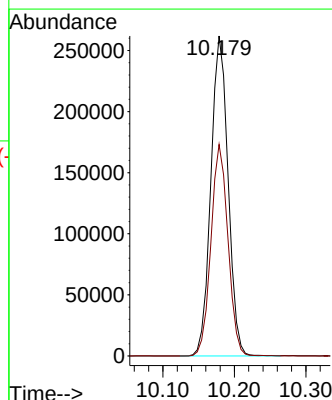
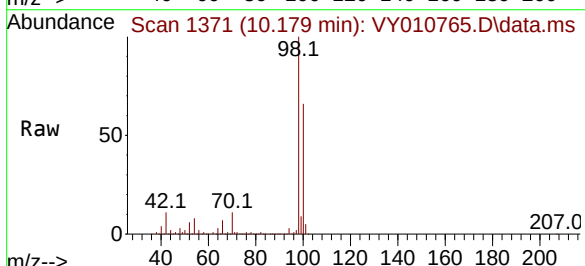
Acq: 03 Oct 2022 14:06

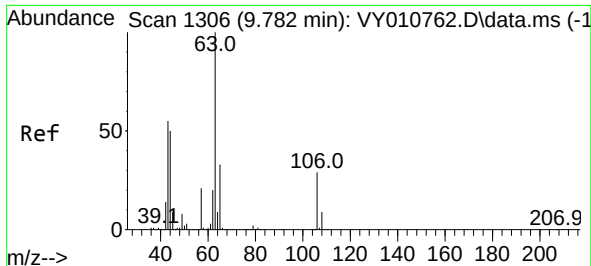
Tgt Ion: 98 Resp: 437600

Ion Ratio Lower Upper

98 100

100 65.3 50.2 75.2

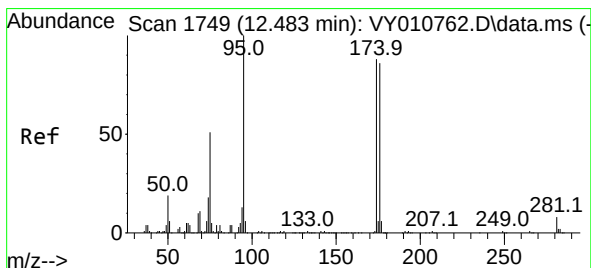
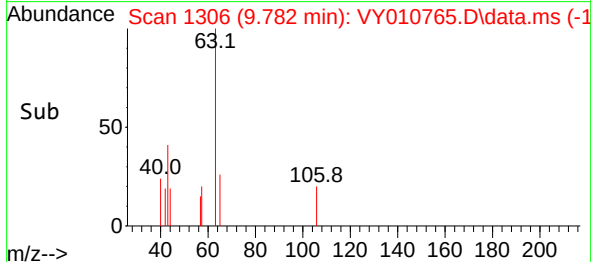
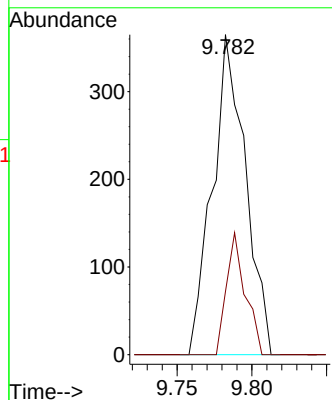
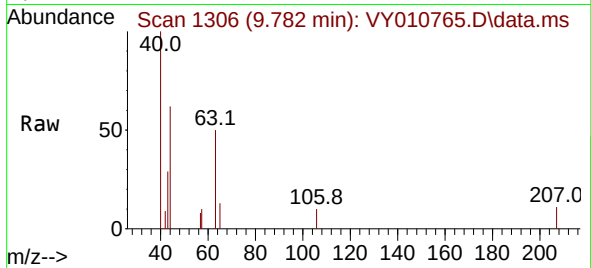




#58
2-Chloroethyl Vinyl ether
Concen: 26.095 ug/l
RT: 9.782 min Scan# 1306
Delta R.T. 0.000 min
Lab File: VY010765.D
Acq: 03 Oct 2022 14:06

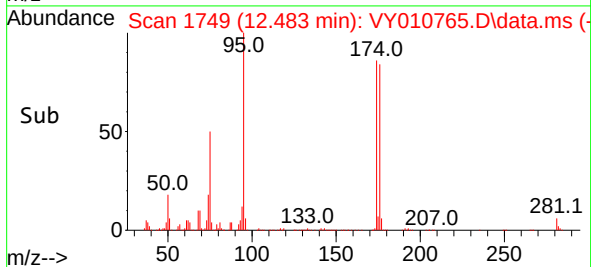
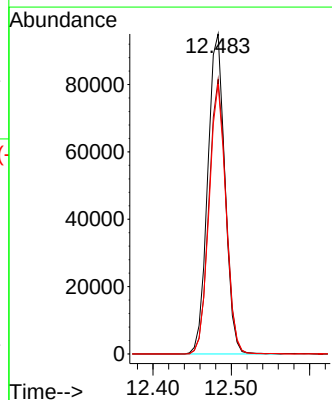
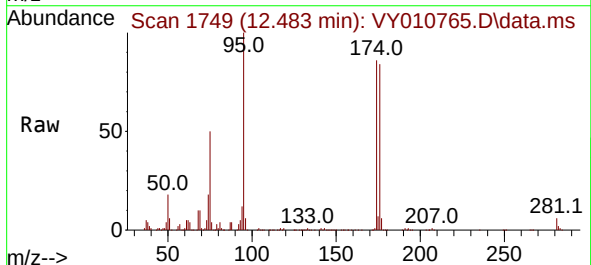
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

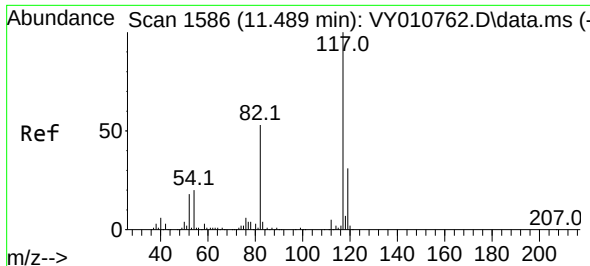
Tgt Ion: 63 Resp: 559
Ion Ratio Lower Upper
63 100
106 21.6 21.5 32.3



#62
4-Bromofluorobenzene
Concen: 33.029 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010765.D
Acq: 03 Oct 2022 14:06

Tgt Ion: 95 Resp: 144546
Ion Ratio Lower Upper
95 100
174 85.2 0.0 177.0
176 82.6 0.0 175.8

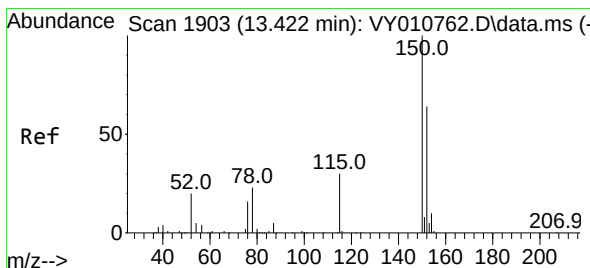
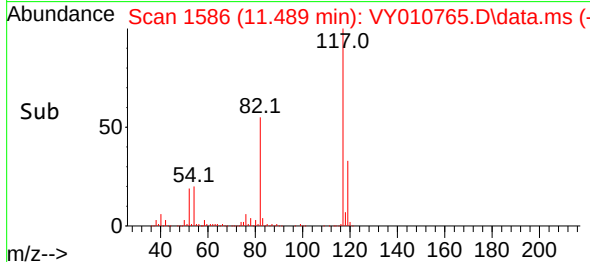
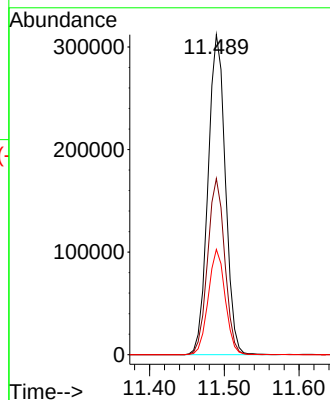
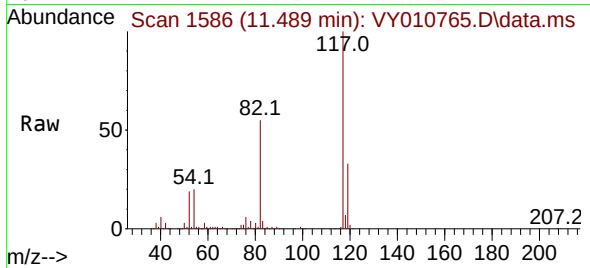




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010765.D
Acq: 03 Oct 2022 14:06

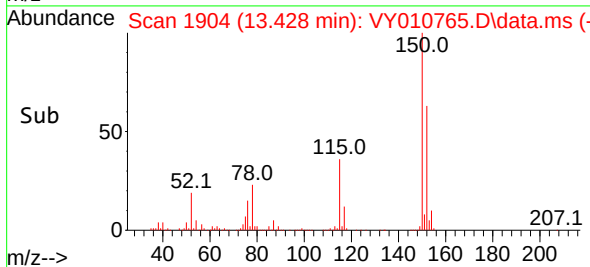
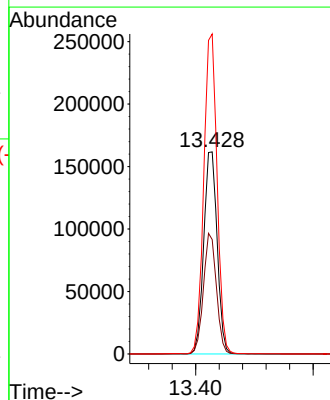
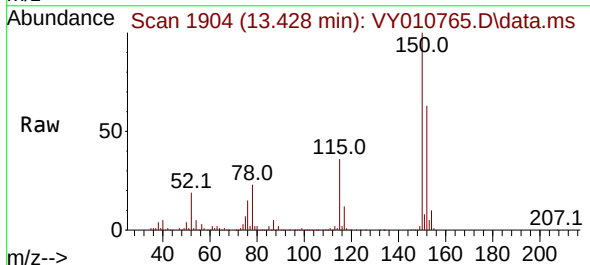
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

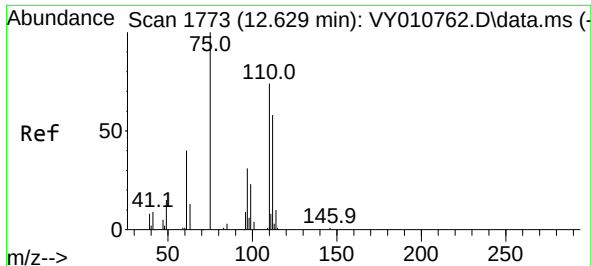
Tgt Ion:117 Resp: 501838
Ion Ratio Lower Upper
117 100
82 55.0 43.0 64.4
119 32.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY010765.D
Acq: 03 Oct 2022 14:06

Tgt Ion:152 Resp: 257181
Ion Ratio Lower Upper
152 100
115 57.6 28.2 84.7
150 156.3 0.0 347.6

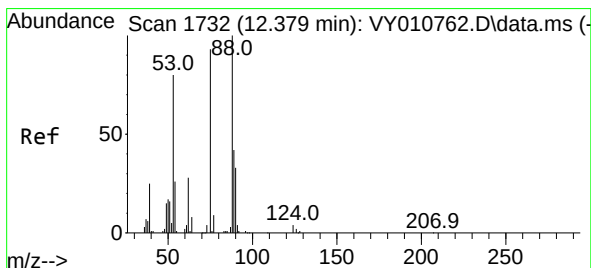
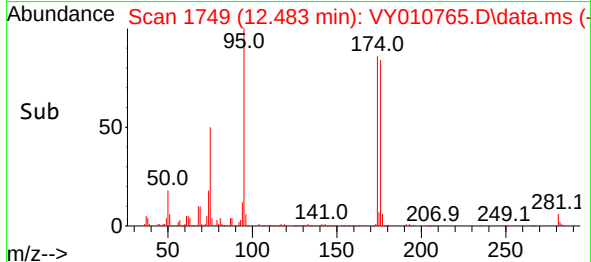
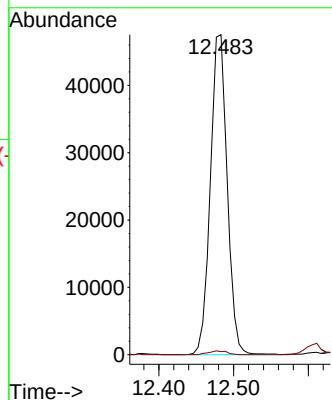
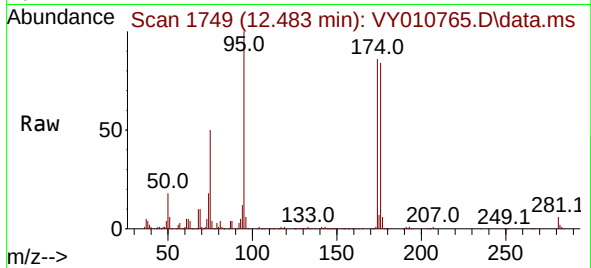




#76
1,2,3-Trichloropropane
Concen: 28.619 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY010765.D
Acq: 03 Oct 2022 14:06

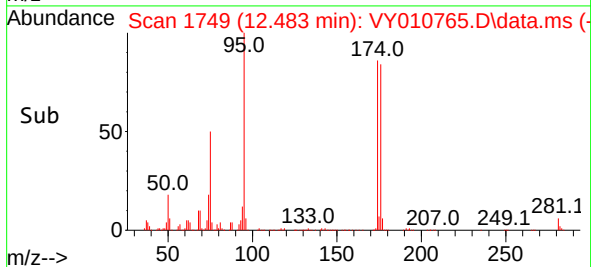
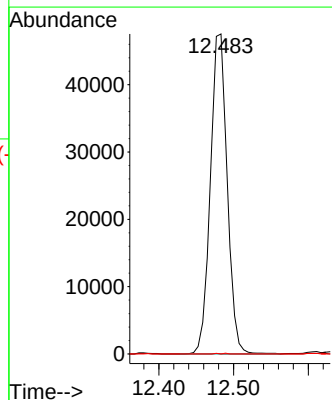
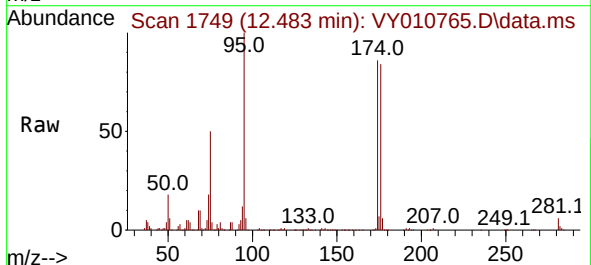
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

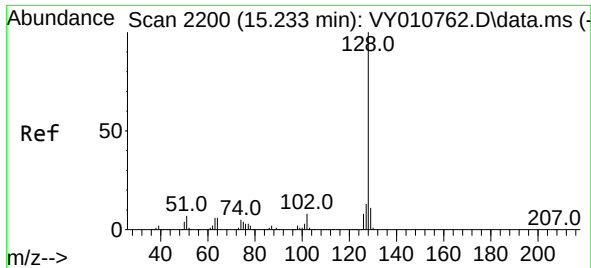
Tgt Ion: 75 Resp: 74537
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.783 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY010765.D
Acq: 03 Oct 2022 14:06

Tgt Ion: 75 Resp: 74537
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 1.028 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY010765.D

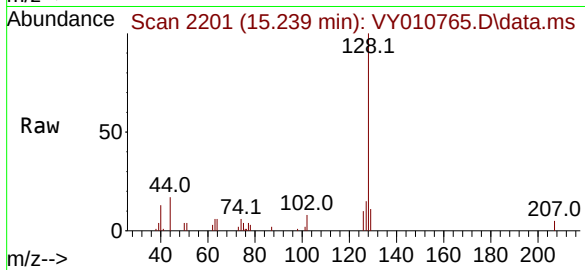
Acq: 03 Oct 2022 14:06

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK



Tgt Ion:128 Resp: 8825

Ion Ratio Lower Upper

128 100

127 15.7 11.0 16.4

129 10.7 8.4 12.6

