

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101822\
 Data File : VY010997.D
 Acq On : 18 Oct 2022 16:22
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Oct 18 17:26:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

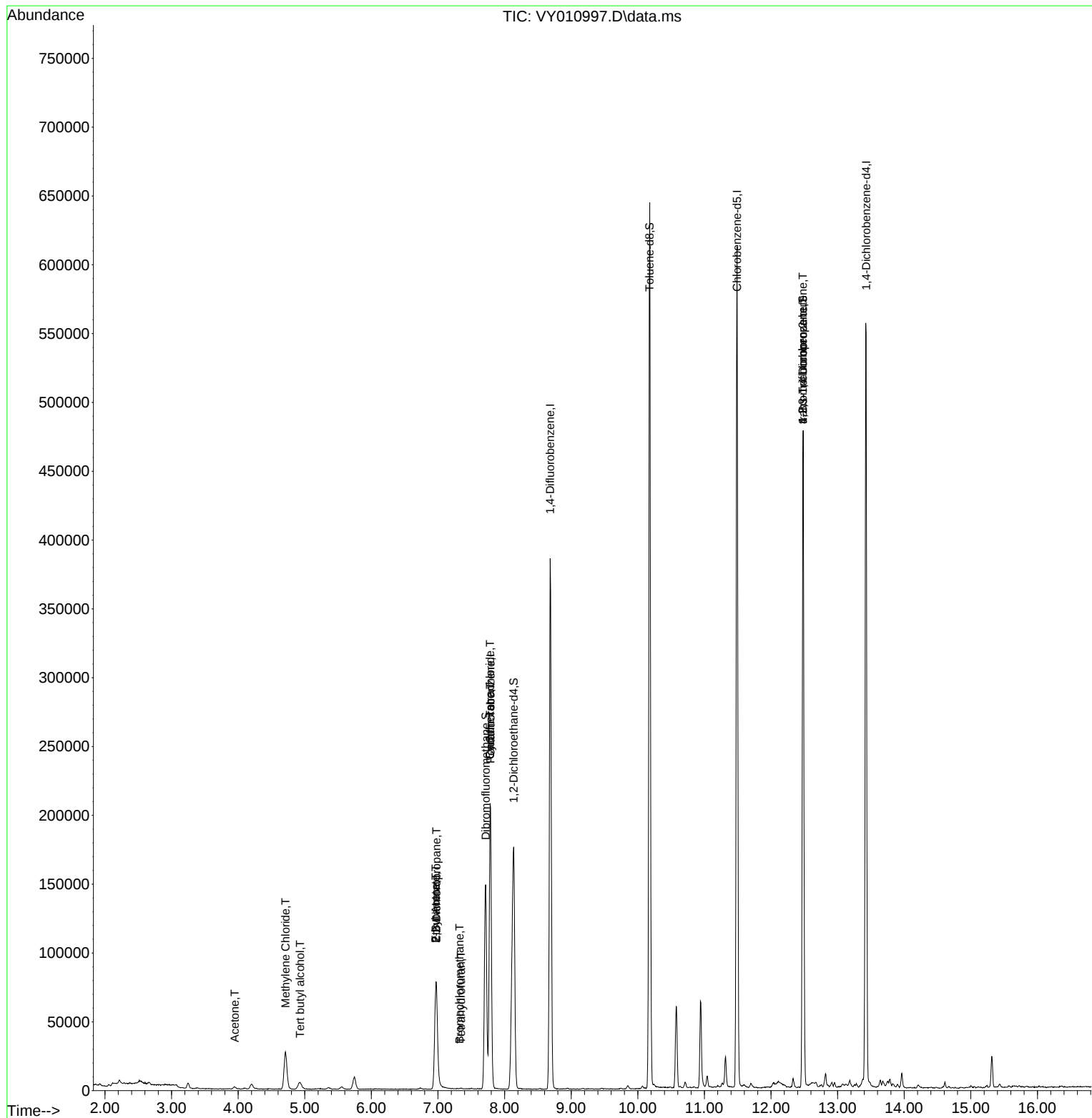
Internal Standards						
1) Pentafluorobenzene	7.789	168	163590	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	336687	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	335733	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	149091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	110313	73.205	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 146.420%		
35) Dibromofluoromethane	7.716	113	109159	58.530	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 117.060%		
50) Toluene-d8	10.179	98	421452	59.950	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 119.900%		
62) 4-Bromofluorobenzene	12.477	95	142880	57.859	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 115.720%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	5913	14.407	ug/l #	77
16) Acetone	3.948	43	2735	6.250	ug/l #	79
18) Methyl Acetate	4.472	43	261	Below Cal	#	71
20) Methylene Chloride	4.710	84	20573	5.117	ug/l #	84
25) 2-Butanone	6.966	43	4085	6.156	ug/l #	84
26) 2,2-Dichloropropane	6.978	77	5926	2.097	ug/l #	55
28) Bromochloromethane	7.326	49	20	3.537	ug/l #	16
29) Tetrahydrofuran	7.344	42	418	1.024	ug/l #	53
31) Cyclohexane	7.783	56	3253	1.128	ug/l #	1
37) Ethyl Acetate	6.966	43	4085	2.354	ug/l #	1
38) Carbon Tetrachloride	7.783	117	16041	4.958	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	73058	43.162	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	73058	92.829	ug/l #	7

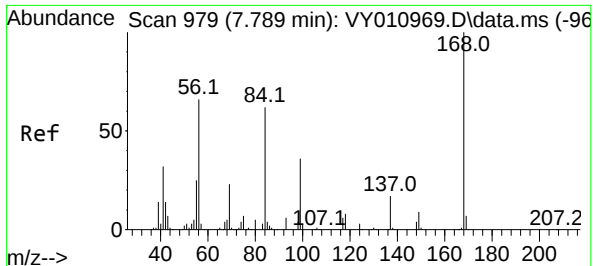
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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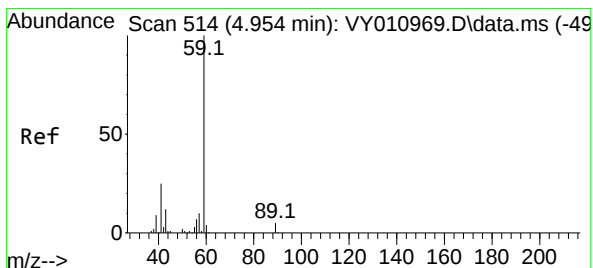
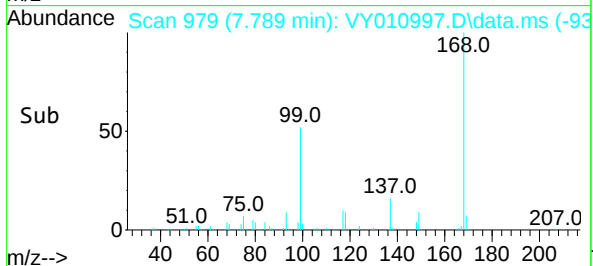
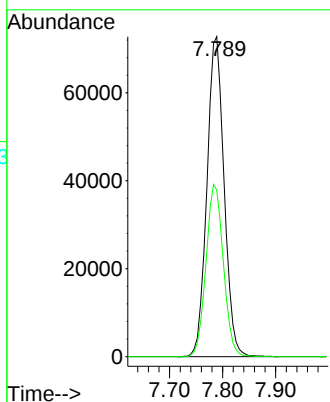
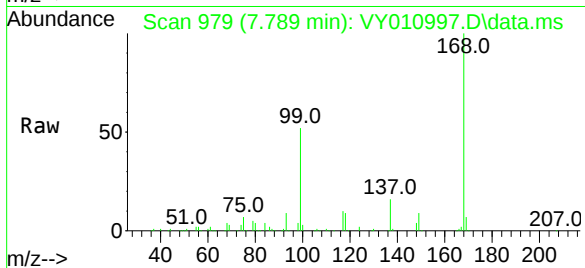




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010997.D
Acq: 18 Oct 2022 16:22

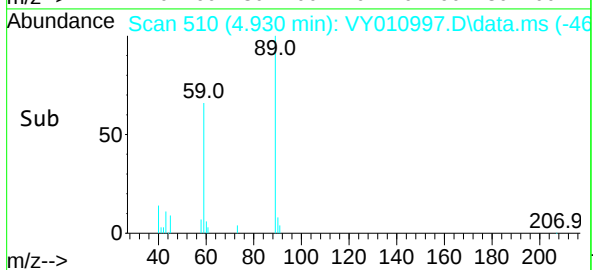
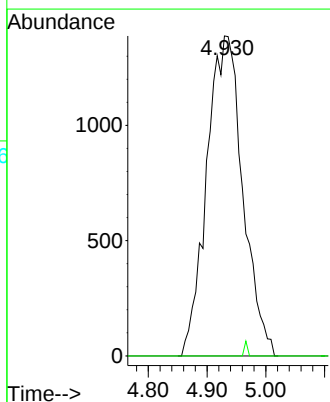
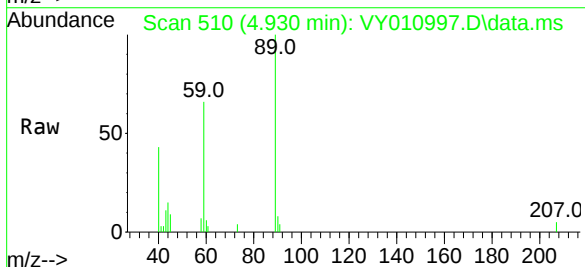
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

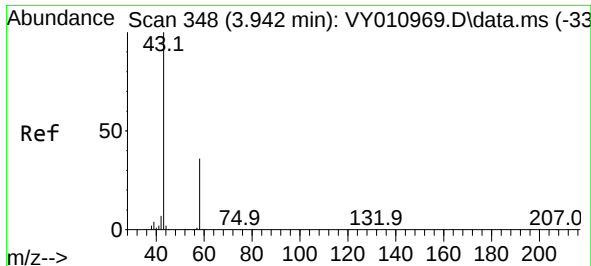
Tgt Ion:168 Resp: 163590
Ion Ratio Lower Upper
168 100
99 52.0 46.9 70.3



#11
Tert butyl alcohol
Concen: 14.407 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.024 min
Lab File: VY010997.D
Acq: 18 Oct 2022 16:22

Tgt Ion: 59 Resp: 5913
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

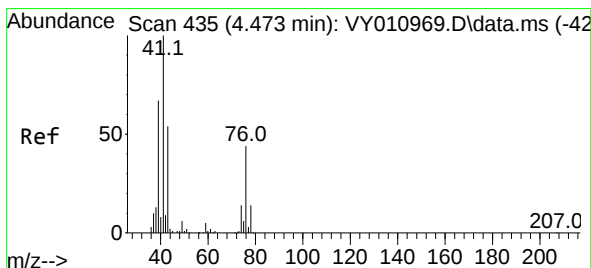
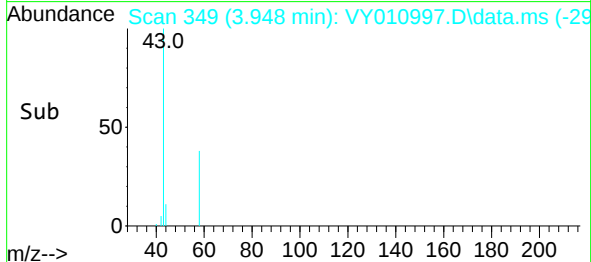
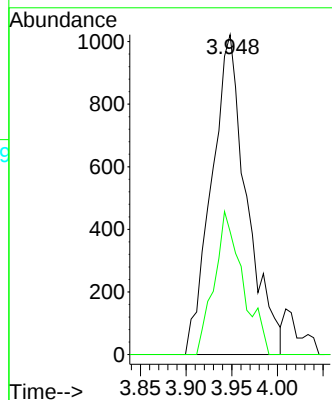
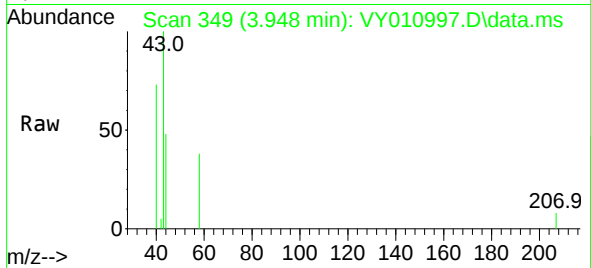




#16
Acetone
Concen: 6.250 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY010997.D
Acq: 18 Oct 2022 16:22

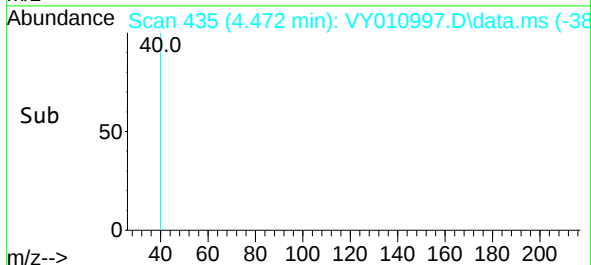
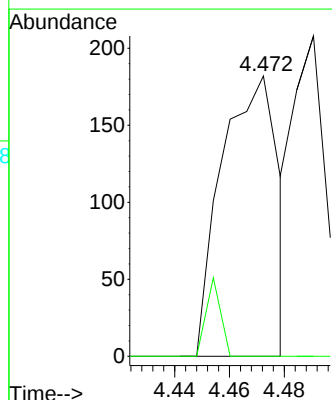
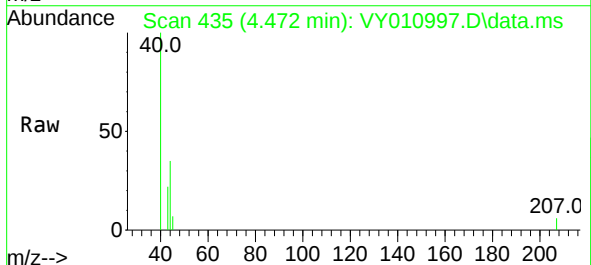
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

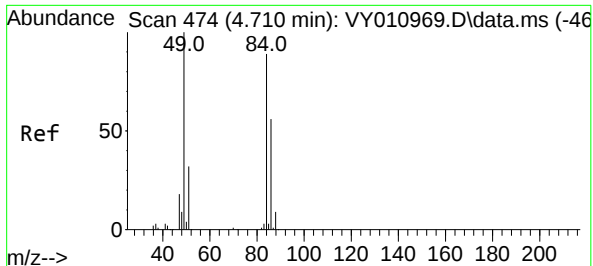
Tgt Ion: 43 Resp: 2735
Ion Ratio Lower Upper
43 100
58 38.5 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 435
Delta R.T. -0.001 min
Lab File: VY010997.D
Acq: 18 Oct 2022 16:22

Tgt Ion: 43 Resp: 261
Ion Ratio Lower Upper
43 100
74 7.3 16.6 24.8#

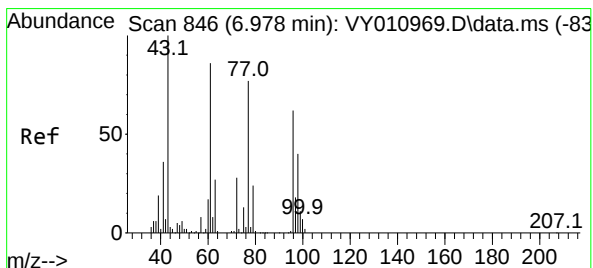
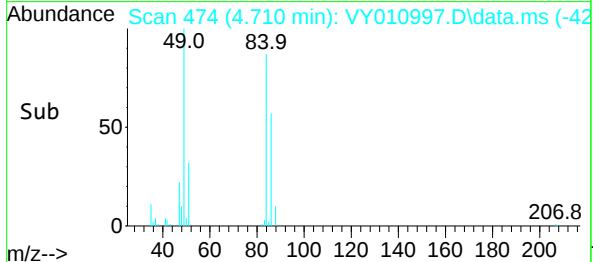
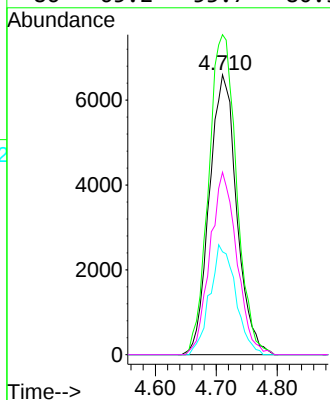
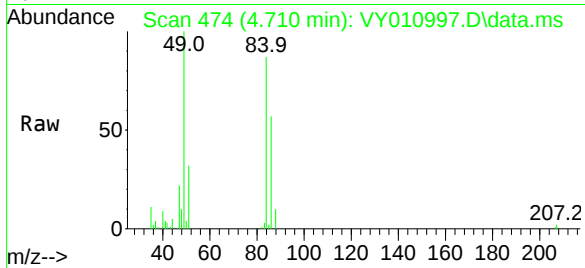




#20
Methylene Chloride
Concen: 5.117 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010997.D
Acq: 18 Oct 2022 16:22

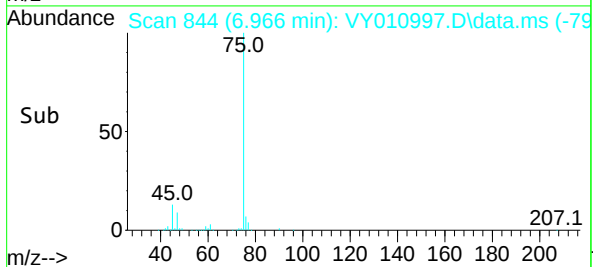
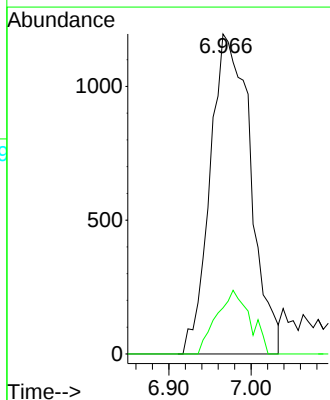
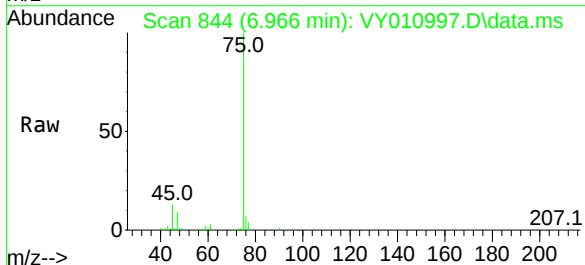
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

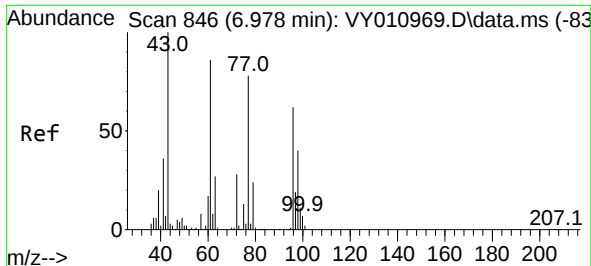
Tgt Ion: 84 Resp: 20573
Ion Ratio Lower Upper
84 100
49 114.4 114.4 171.6#
51 36.8 35.3 52.9
86 65.2 53.7 80.5



#25
2-Butanone
Concen: 6.156 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY010997.D
Acq: 18 Oct 2022 16:22

Tgt Ion: 43 Resp: 4085
Ion Ratio Lower Upper
43 100
72 14.4 17.7 26.5#

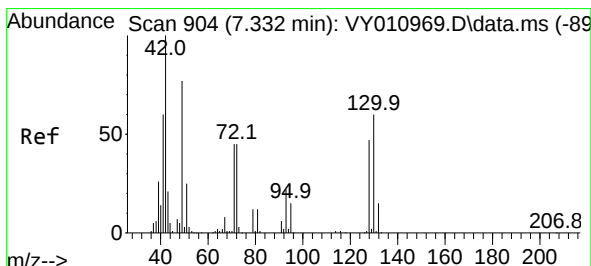
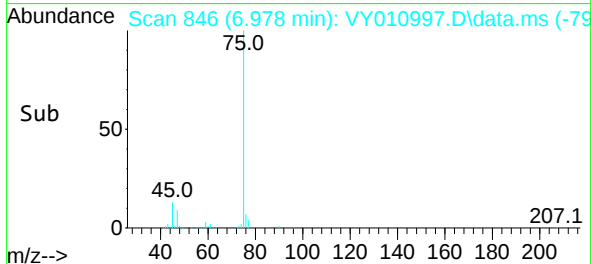
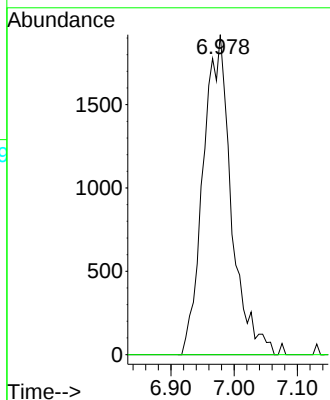
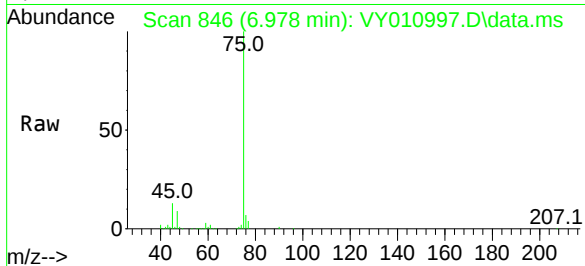




#26
2,2-Dichloropropane
Concen: 2.097 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010997.D
Acq: 18 Oct 2022 16:22

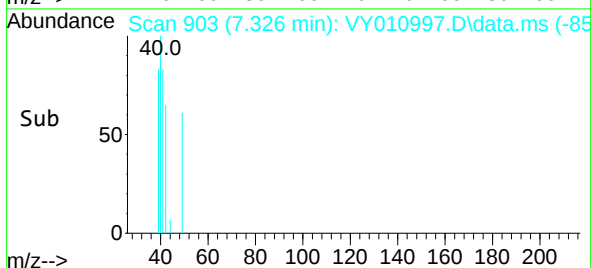
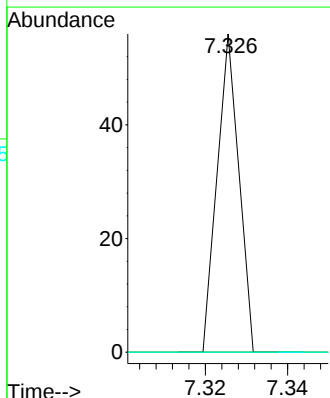
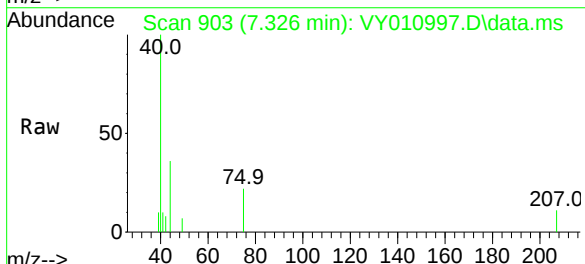
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

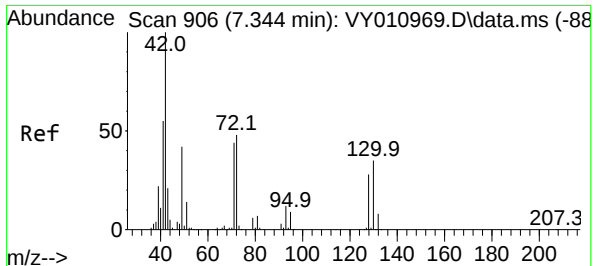
Tgt Ion: 77 Resp: 5926
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#



#28
Bromochloromethane
Concen: 3.537 ug/l
RT: 7.326 min Scan# 903
Delta R.T. -0.006 min
Lab File: VY010997.D
Acq: 18 Oct 2022 16:22

Tgt Ion: 49 Resp: 20
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 0.0 55.4 83.0#





#29

Tetrahydrofuran

Concen: 1.024 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY010997.D

Acq: 18 Oct 2022 16:22

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

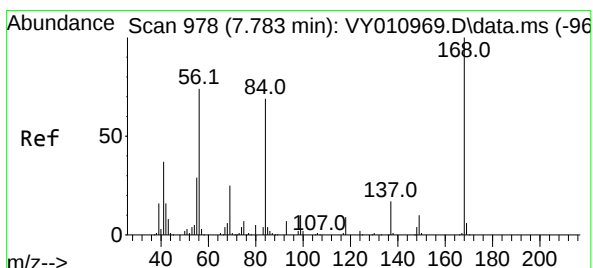
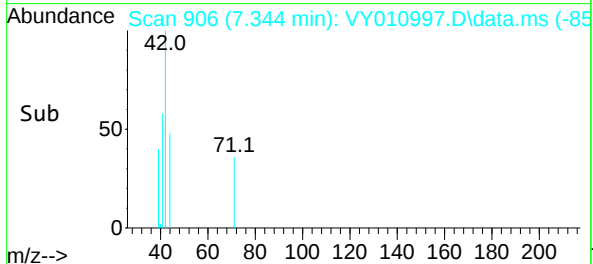
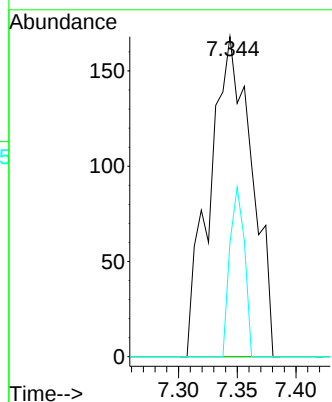
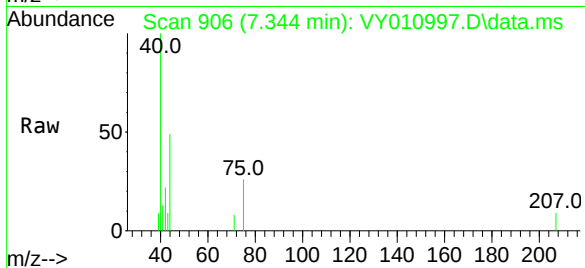
Tgt Ion: 42 Resp: 418

Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

71 18.4 29.0 43.4#



#31

Cyclohexane

Concen: 1.128 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY010997.D

Acq: 18 Oct 2022 16:22

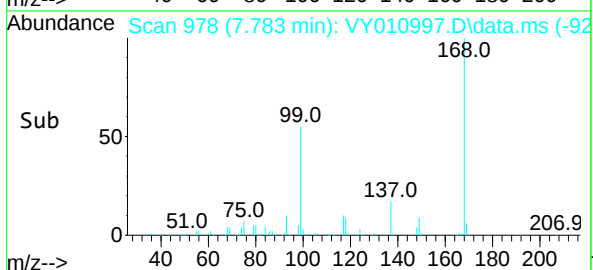
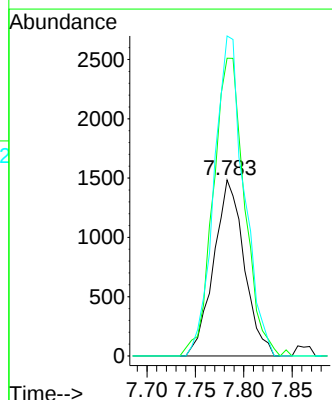
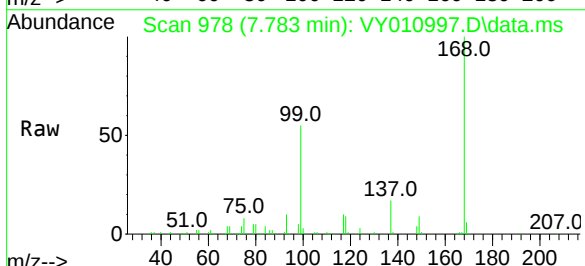
Tgt Ion: 56 Resp: 3253

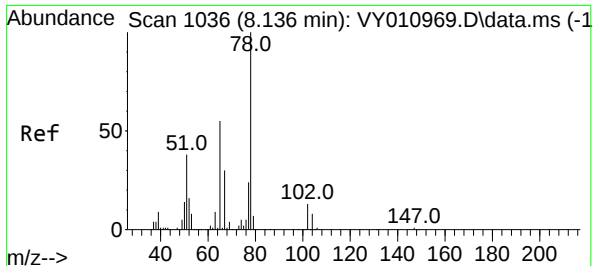
Ion Ratio Lower Upper

56 100

69 169.2 26.7 40.1#

84 181.8 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 73.205 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY010997.D

Acq: 18 Oct 2022 16:22

Instrument :

MSVOA_Y

ClientSampleId :

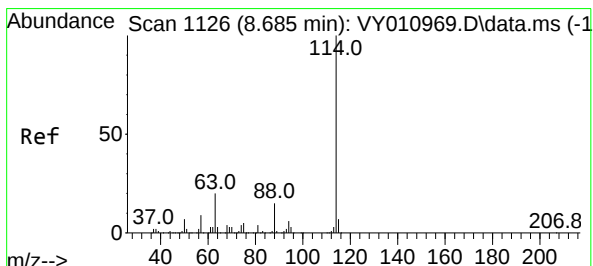
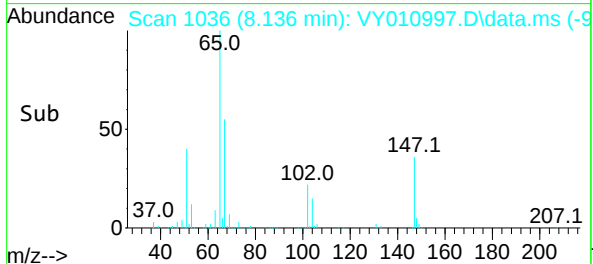
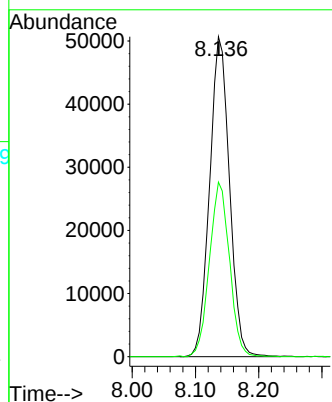
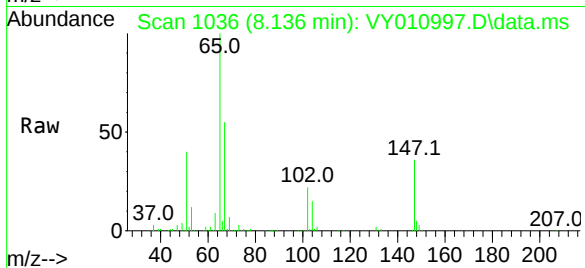
VIBLK

Tgt Ion: 65 Resp: 110313

Ion Ratio Lower Upper

65 100

67 55.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010997.D

Acq: 18 Oct 2022 16:22

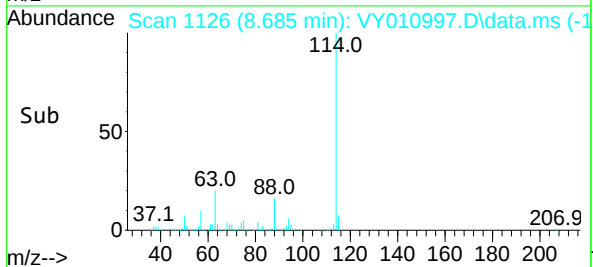
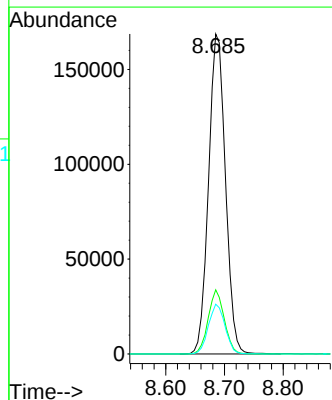
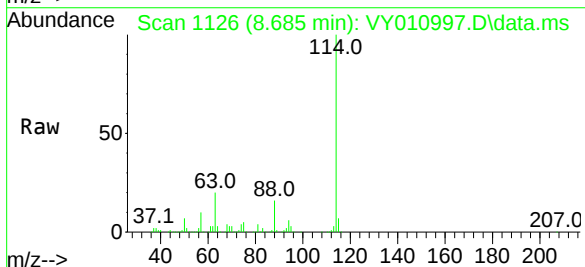
Tgt Ion:114 Resp: 336687

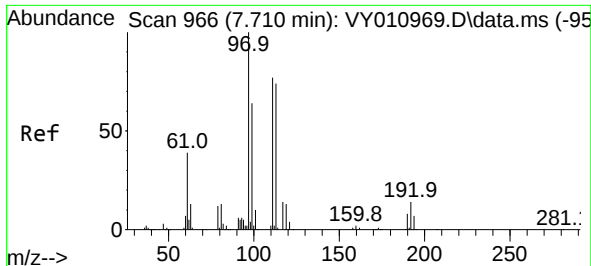
Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

88 15.5 0.0 31.8

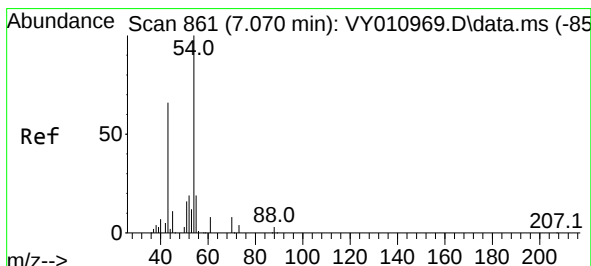
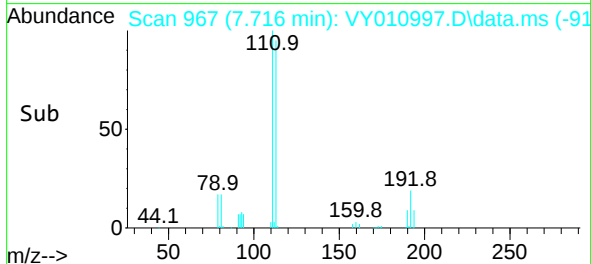
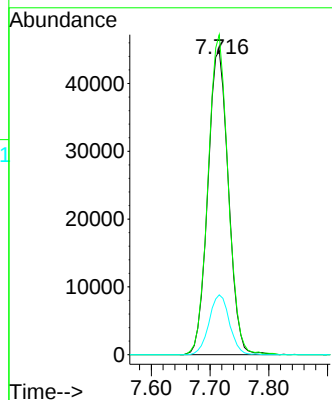
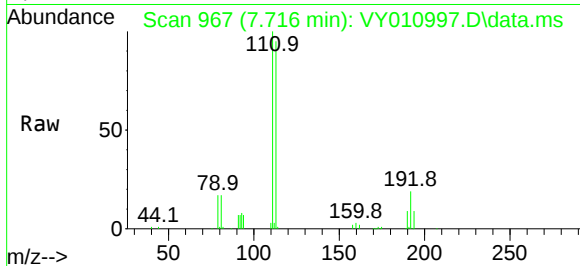




#35
Dibromofluoromethane
Concen: 58.530 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010997.D
Acq: 18 Oct 2022 16:22

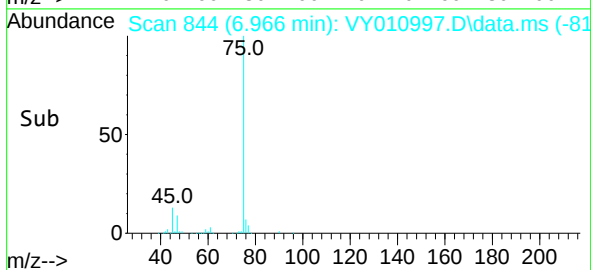
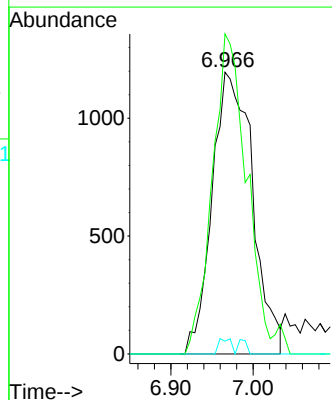
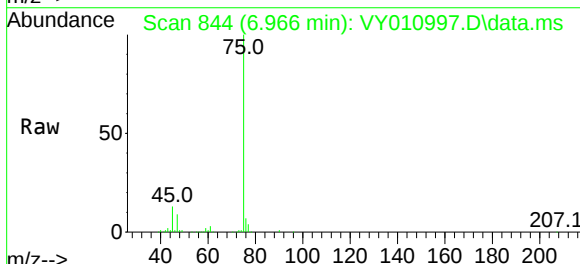
Instrument :
MSVOA_Y
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VIBLK

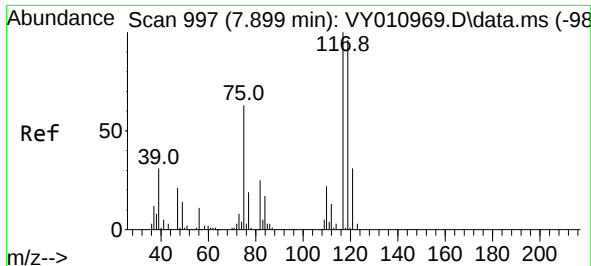
Tgt Ion:113 Resp: 109159
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 19.4 17.6 26.4



#37
Ethyl Acetate
Concen: 2.354 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.104 min
Lab File: VY010997.D
Acq: 18 Oct 2022 16:22

Tgt Ion: 43 Resp: 4085
Ion Ratio Lower Upper
43 100
61 95.5 9.7 14.5#
70 1.6 7.1 10.7#

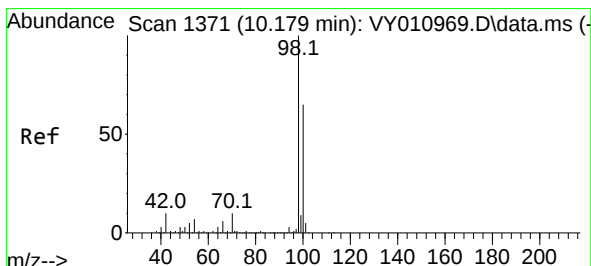
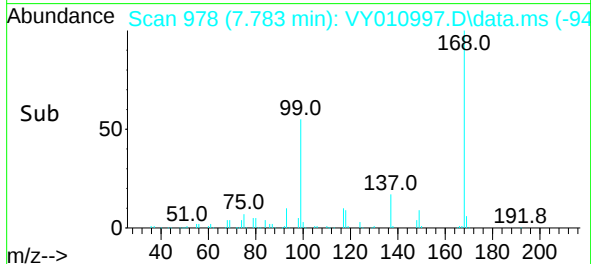
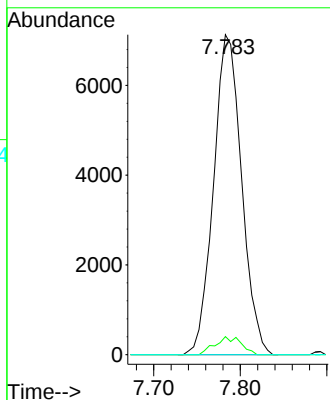
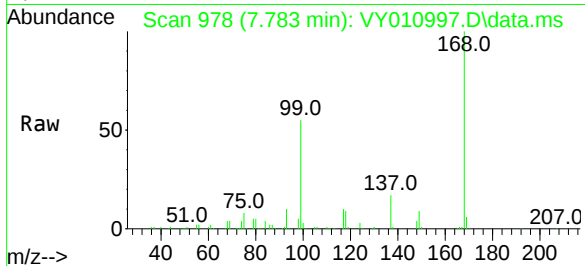




#38
Carbon Tetrachloride
Concen: 4.958 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY010997.D
Acq: 18 Oct 2022 16:22

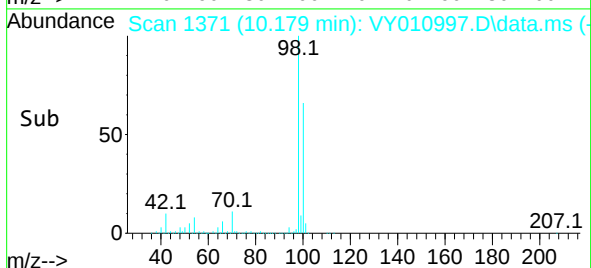
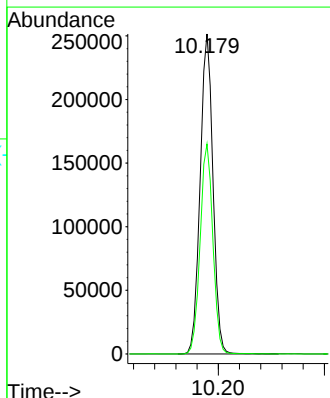
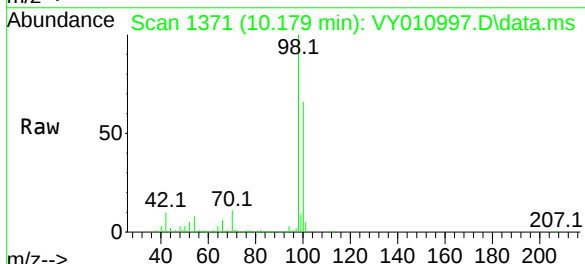
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

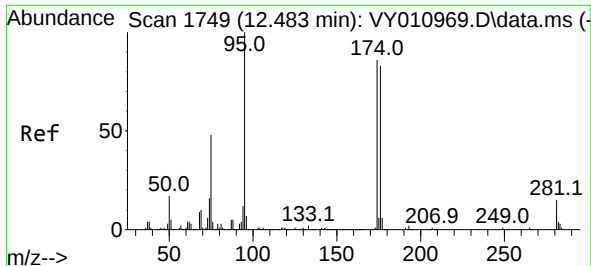
Tgt Ion:117 Resp: 16041
Ion Ratio Lower Upper
117 100
119 5.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 59.950 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010997.D
Acq: 18 Oct 2022 16:22

Tgt Ion: 98 Resp: 421452
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2

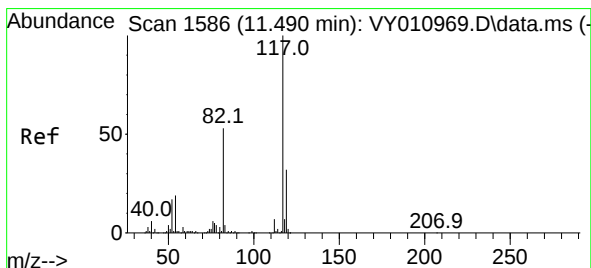
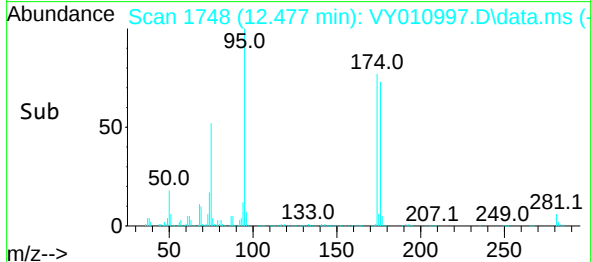
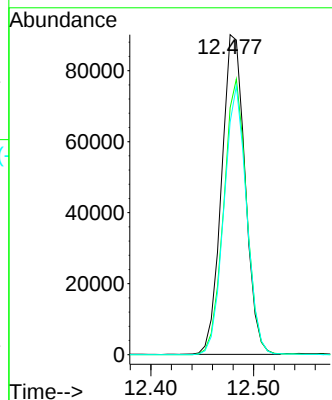
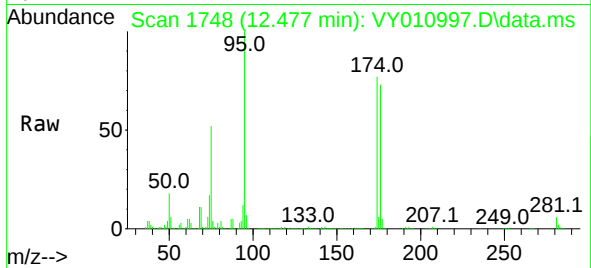




#62
4-Bromofluorobenzene
Concen: 57.859 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010997.D
Acq: 18 Oct 2022 16:22

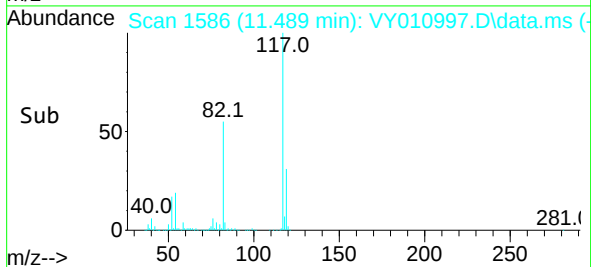
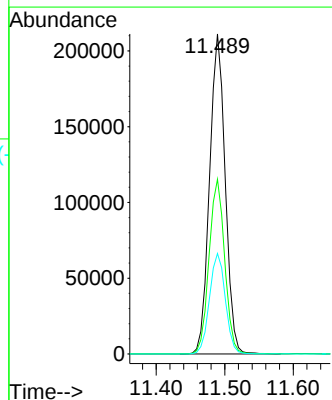
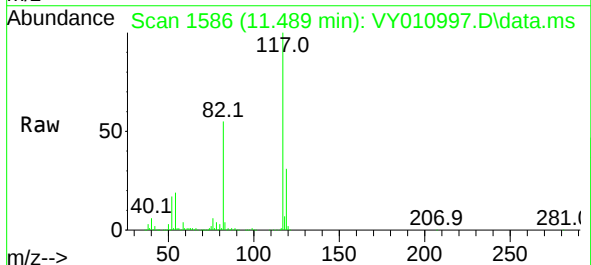
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

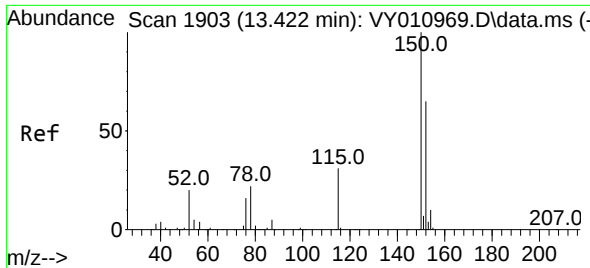
Tgt Ion: 95 Resp: 142880
Ion Ratio Lower Upper
95 100
174 84.0 0.0 177.0
176 80.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010997.D
Acq: 18 Oct 2022 16:22

Tgt Ion: 117 Resp: 335733
Ion Ratio Lower Upper
117 100
82 54.6 43.0 64.4
119 31.4 25.4 38.0

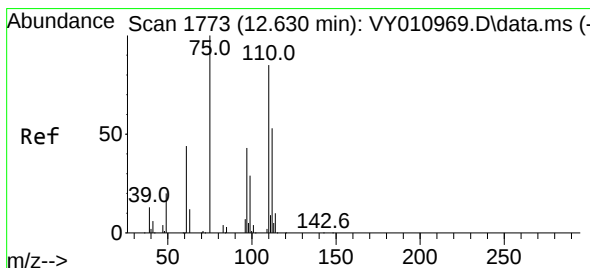
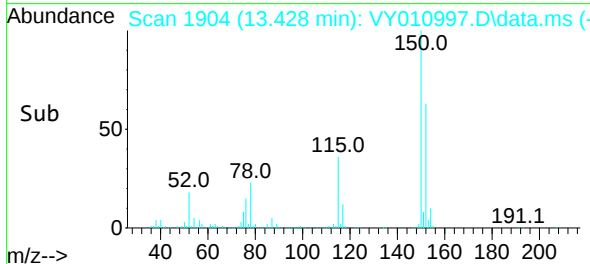
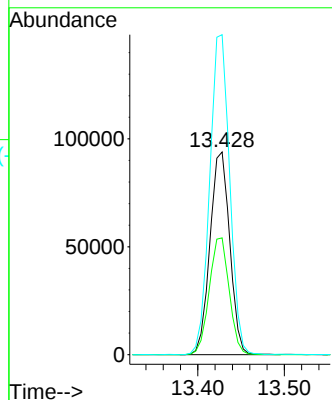
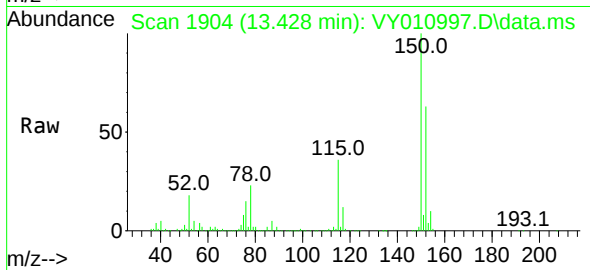




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY010997.D
 Acq: 18 Oct 2022 16:22

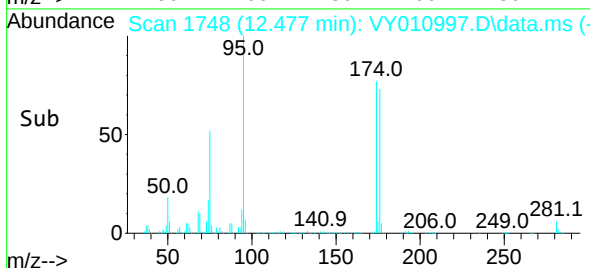
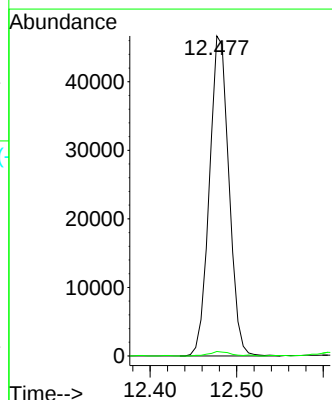
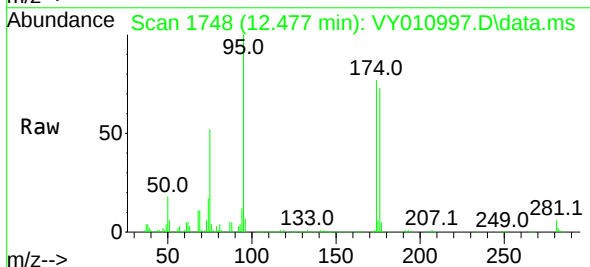
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

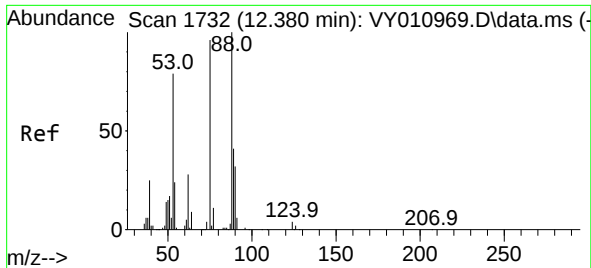
Tgt Ion:152 Resp: 149091
 Ion Ratio Lower Upper
 152 100
 115 58.1 28.2 84.7
 150 158.9 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 43.162 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY010997.D
 Acq: 18 Oct 2022 16:22

Tgt Ion: 75 Resp: 73058
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.829 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY010997.D
 Acq: 18 Oct 2022 16:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 73058
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.2 37.0 55.4#

