

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020124\
 Data File : VY017173.D
 Acq On : 01 Feb 2024 17:40
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Feb 02 01:00:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

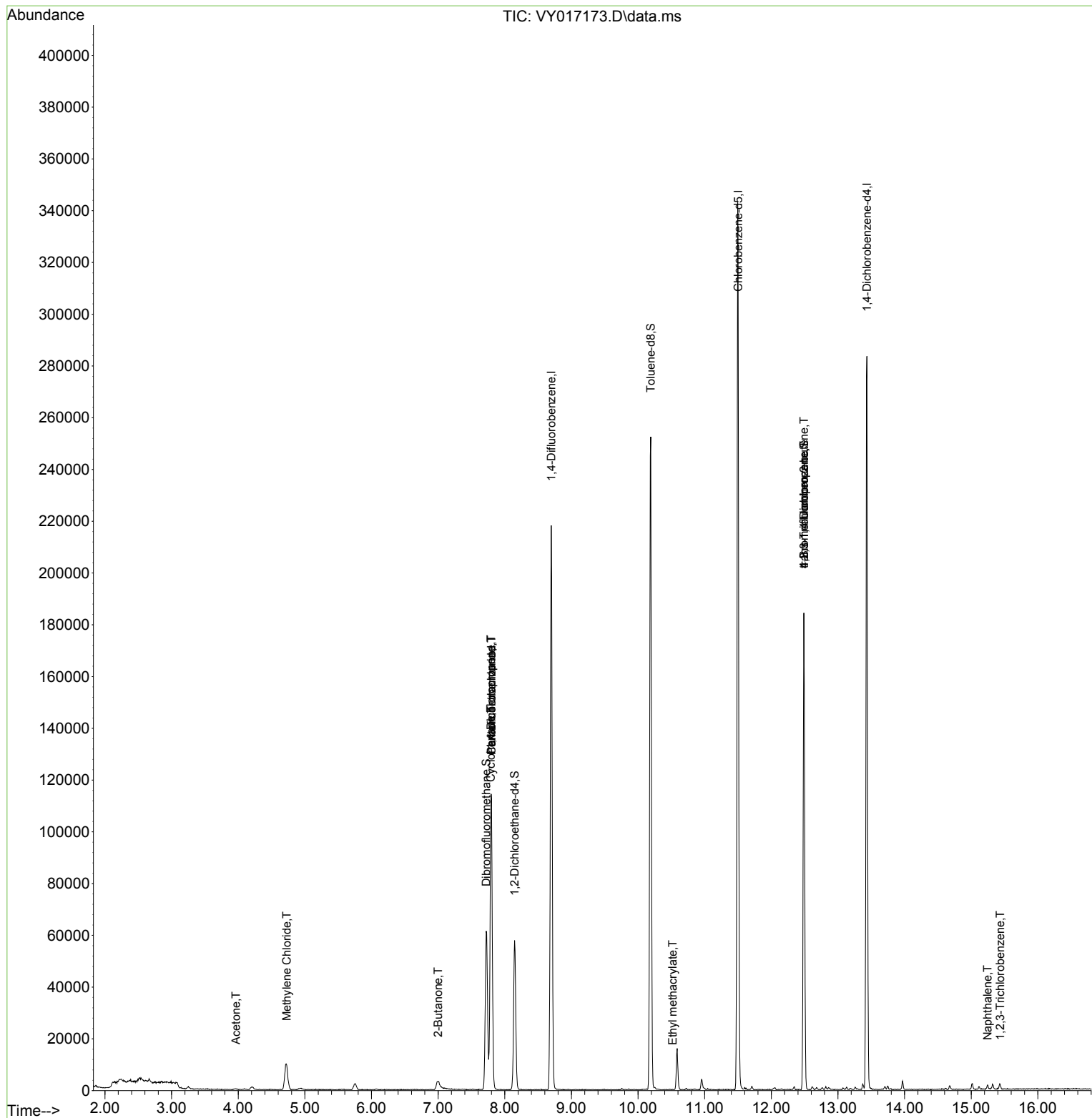
Internal Standards						
1) Pentafluorobenzene	7.801	168	86327	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	184844	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	183715	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	69938	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	43590	56.523	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.040%
35) Dibromofluoromethane	7.722	113	45105	45.194	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.380%
50) Toluene-d8	10.191	98	165630	45.581	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.160%
62) 4-Bromofluorobenzene	12.489	95	55294	46.451	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.900%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	639	Below Cal	#	75
13) Acrolein	3.747	56	49	Below Cal	#	15
16) Acetone	3.966	43	681	3.004	ug/l #	86
20) Methylene Chloride	4.729	84	7750	5.210	ug/l	96
25) 2-Butanone	7.003	43	440	1.460	ug/l #	48
31) Cyclohexane	7.789	56	1999	1.286	ug/l #	5
36) 1,1-Dichloropropene	7.795	75	7893	4.585	ug/l #	49
38) Carbon Tetrachloride	7.801	117	9317	5.652	ug/l #	16
56) Ethyl methacrylate	10.520	69	47	3.041	ug/l #	27
76) 1,2,3-Trichloropropane	12.489	75	29455	45.630	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	29455	94.813	ug/l #	12
95) Naphthalene	15.245	128	1811	4.337	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.434	180	896	1.096	ug/l	95

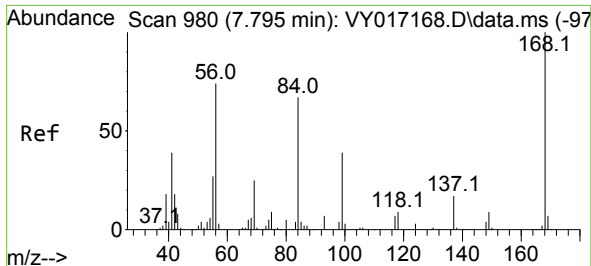
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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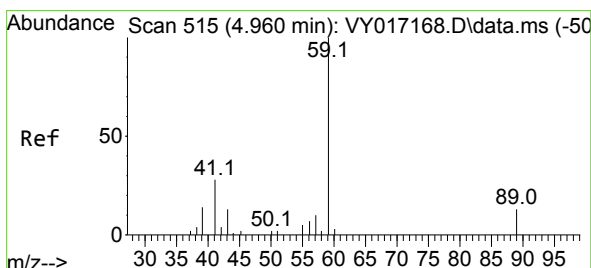
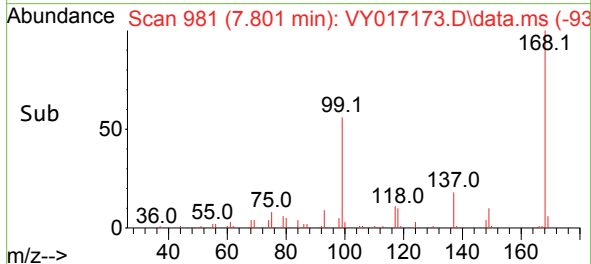
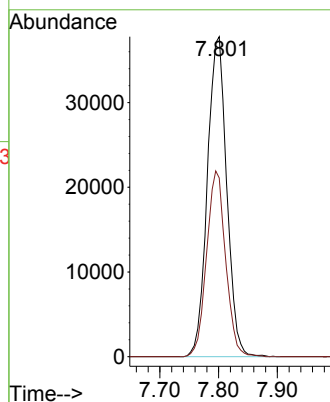
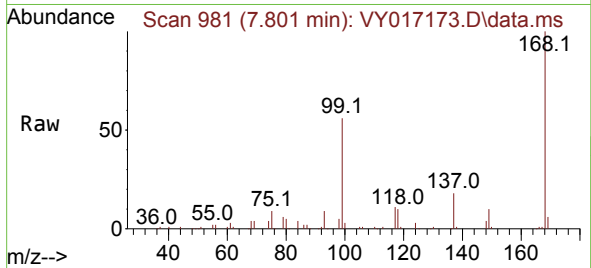




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017173.D
Acq: 01 Feb 2024 17:40

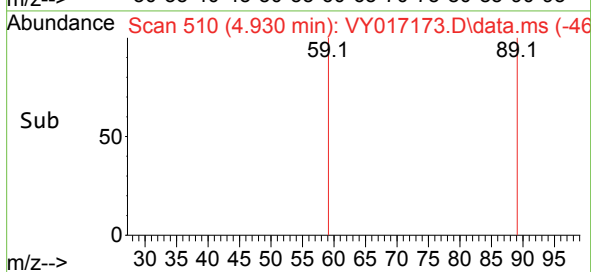
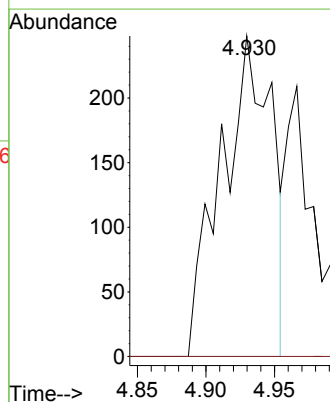
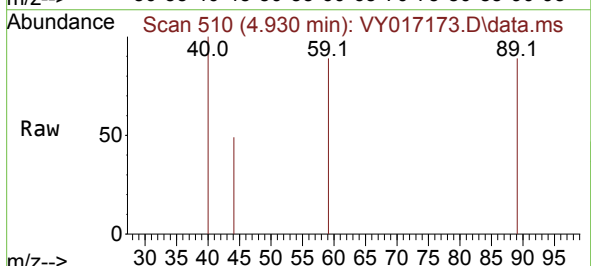
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

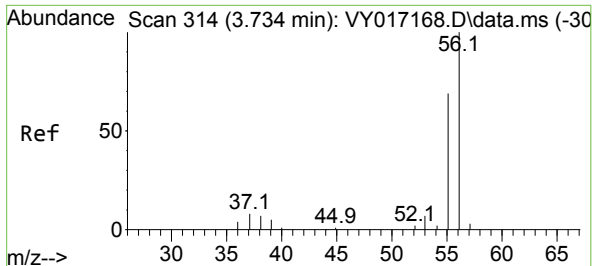
Tgt Ion:168 Resp: 86327
Ion Ratio Lower Upper
168 100
99 55.9 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.030 min
Lab File: VY017173.D
Acq: 01 Feb 2024 17:40

Tgt Ion: 59 Resp: 639
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#13

Acrolein

Concen: Below Cal

RT: 3.747 min Scan# 31

Delta R.T. 0.013 min

Lab File: VY017173.D

Acq: 01 Feb 2024 17:40

Instrument :

MSVOA_Y

ClientSampleId :

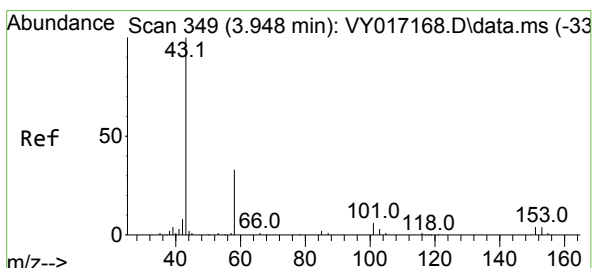
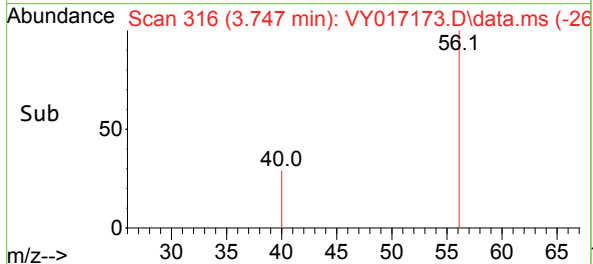
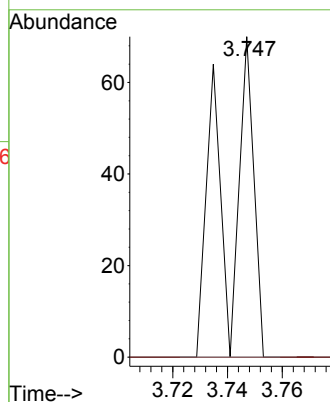
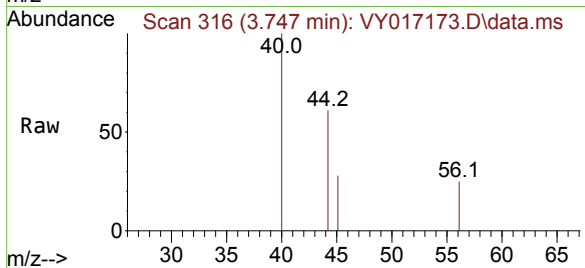
VIBLK

Tgt Ion: 56 Resp: 49

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



#16

Acetone

Concen: 3.004 ug/l

RT: 3.966 min Scan# 352

Delta R.T. 0.019 min

Lab File: VY017173.D

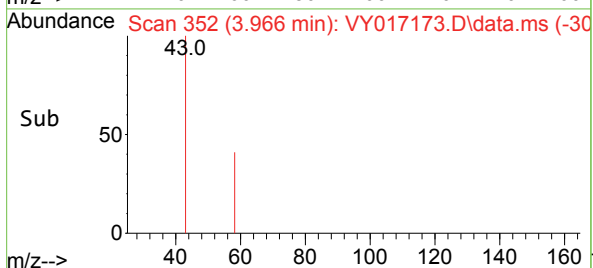
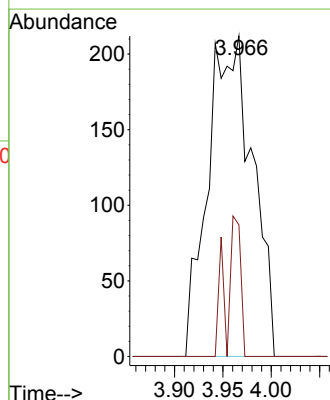
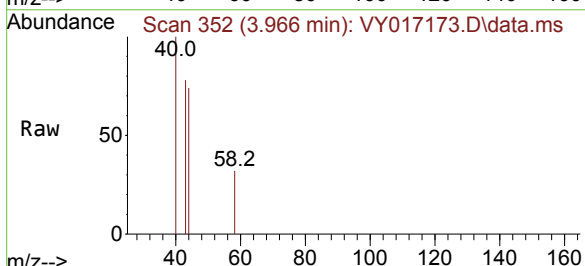
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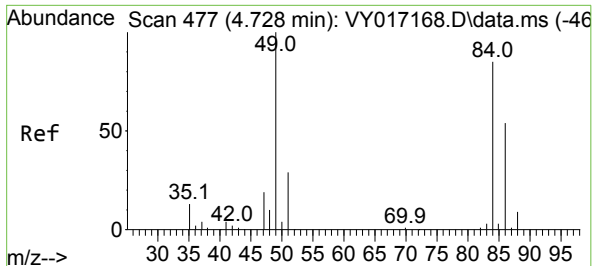
Tgt Ion: 43 Resp: 681

Ion Ratio Lower Upper

43 100

58 41.0 26.6 39.8#





#20

Methylene Chloride

Concen: 5.210 ug/l

RT: 4.729 min Scan# 41

Delta R.T. 0.001 min

Lab File: VY017173.D

Acq: 01 Feb 2024 17:40

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

Tgt Ion: 84 Resp: 7750

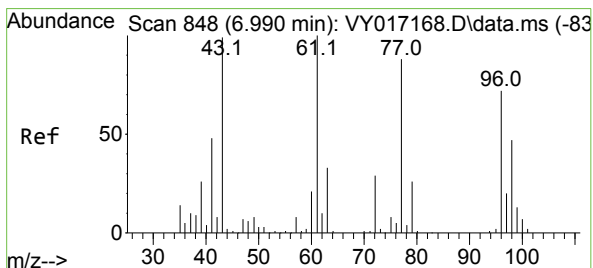
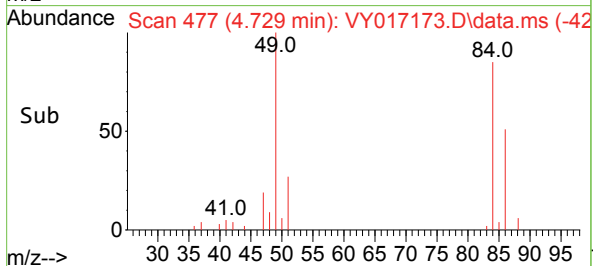
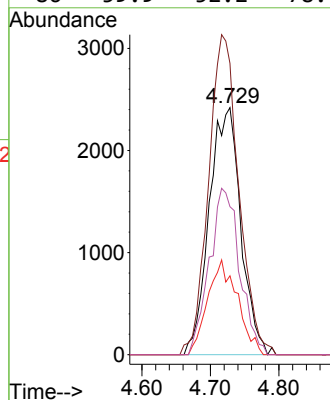
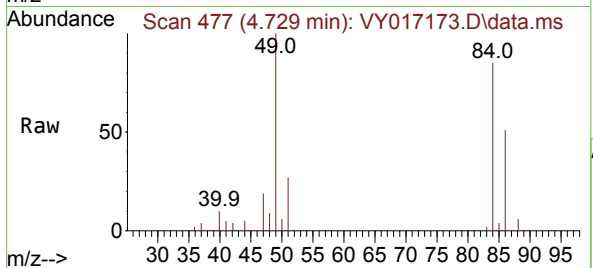
Ion Ratio Lower Upper

84 100

49 118.0 95.2 142.8

51 32.0 29.9 44.9

86 59.9 52.2 78.4



#25

2-Butanone

Concen: 1.460 ug/l

RT: 7.003 min Scan# 850

Delta R.T. 0.013 min

Lab File: VY017173.D

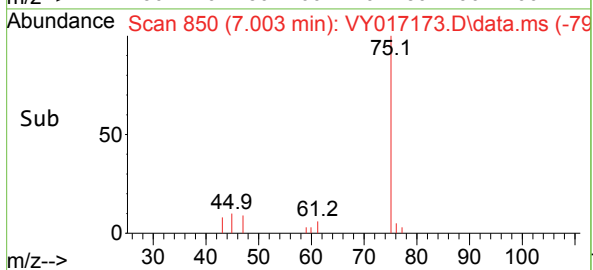
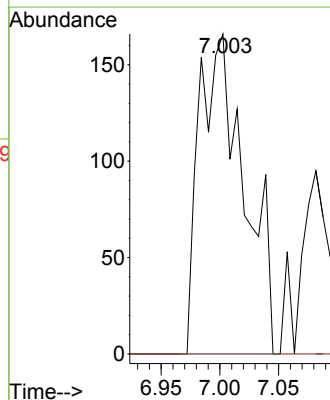
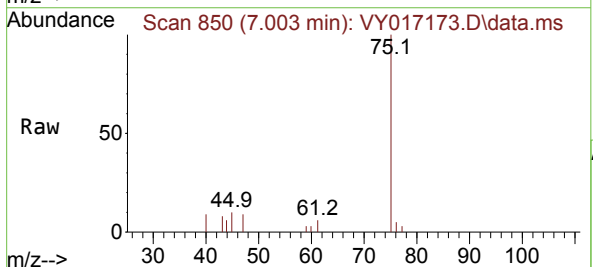
Acq: 01 Feb 2024 17:40

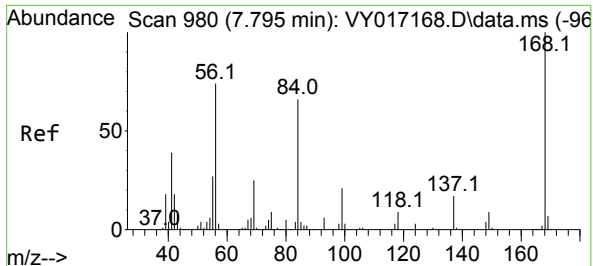
Tgt Ion: 43 Resp: 440

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#

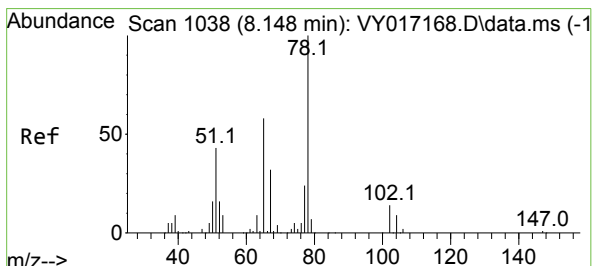
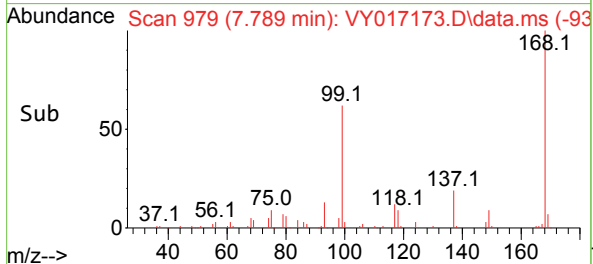
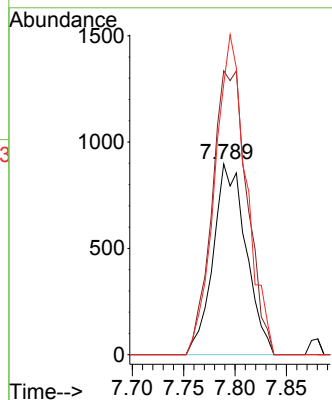
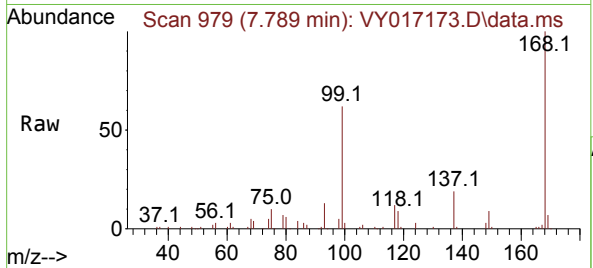




#31
Cyclohexane
Concen: 1.286 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017173.D
Acq: 01 Feb 2024 17:40

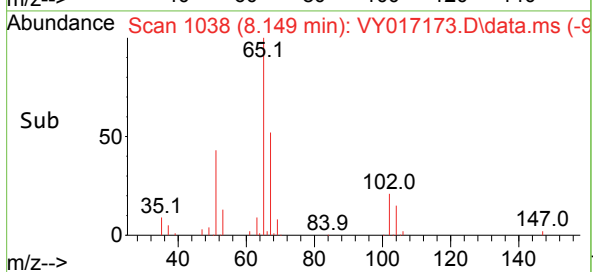
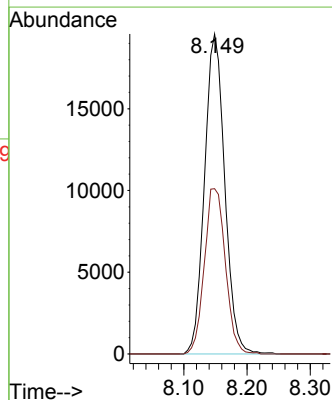
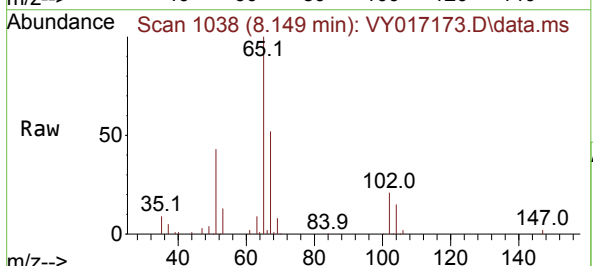
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

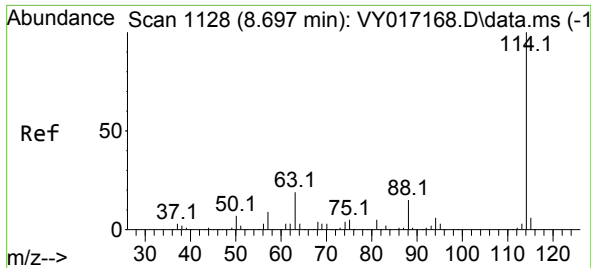
Tgt Ion: 56 Resp: 1999
Ion Ratio Lower Upper
56 100
69 148.8 27.0 40.6#
84 141.8 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 56.523 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY017173.D
Acq: 01 Feb 2024 17:40

Tgt Ion: 65 Resp: 43590
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.0

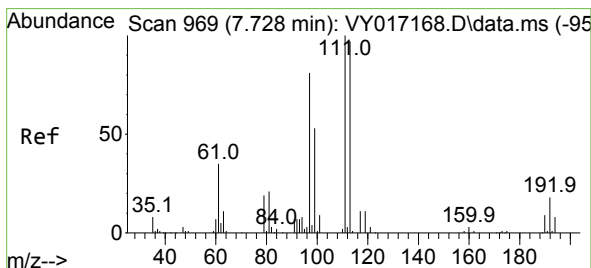
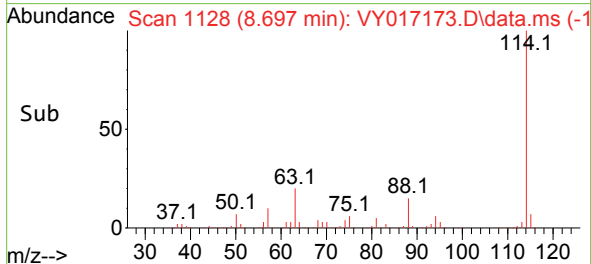
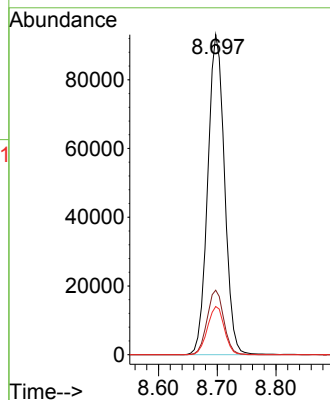
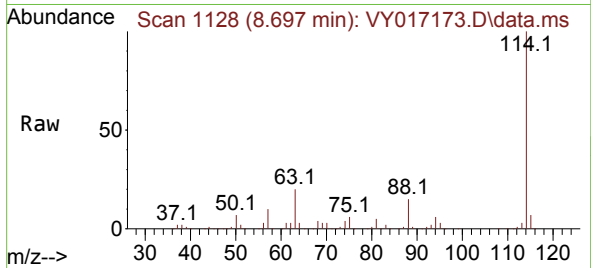




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY017173.D
Acq: 01 Feb 2024 17:40

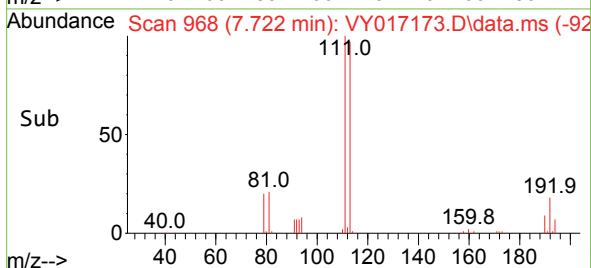
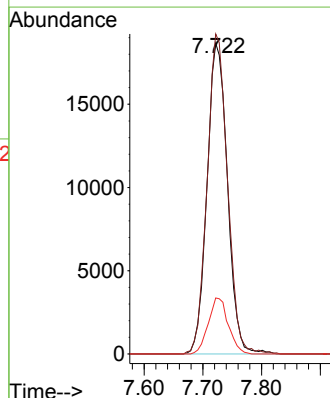
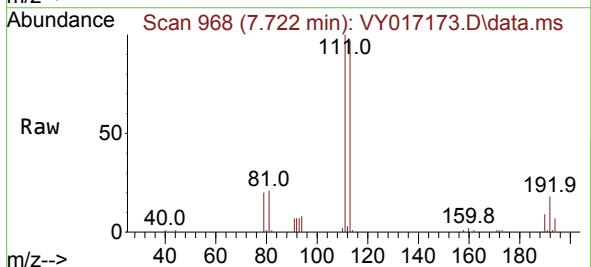
Instrument :
MSVOA_Y
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VIBLK

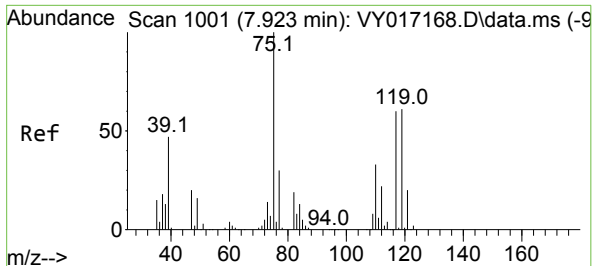
Tgt Ion:114 Resp: 184844
Ion Ratio Lower Upper
114 100
63 20.1 0.0 37.4
88 15.0 0.0 29.0



#35
Dibromofluoromethane
Concen: 45.194 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY017173.D
Acq: 01 Feb 2024 17:40

Tgt Ion:113 Resp: 45105
Ion Ratio Lower Upper
113 100
111 102.6 83.8 125.6
192 17.6 14.5 21.7

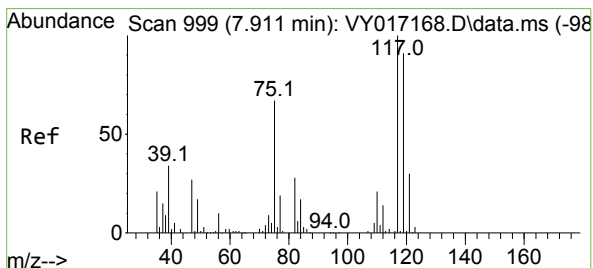
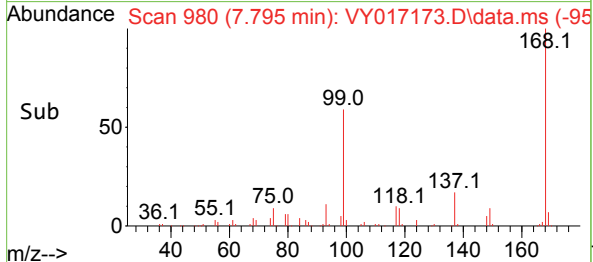
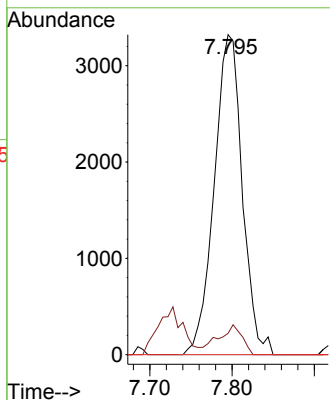
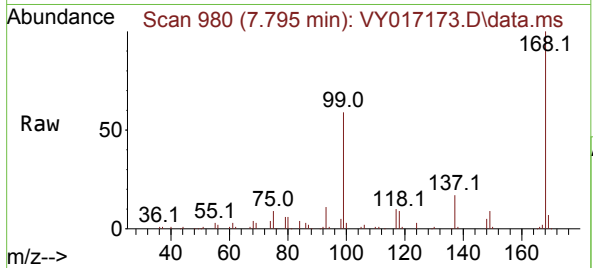




#36
 1,1-Dichloropropene
 Concen: 4.585 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.128 min
 Lab File: VY017173.D
 Acq: 01 Feb 2024 17:40

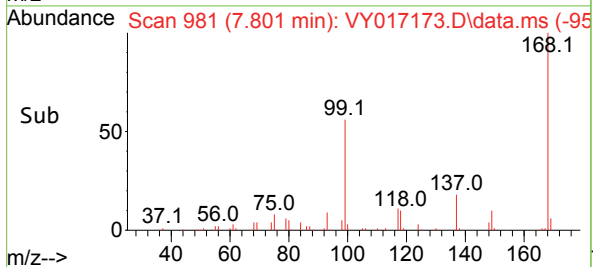
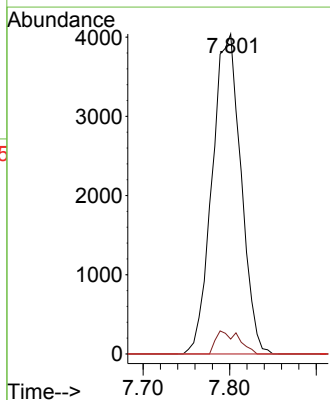
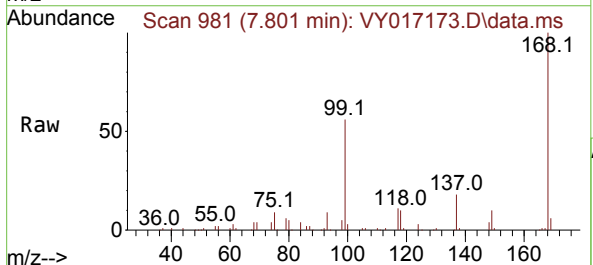
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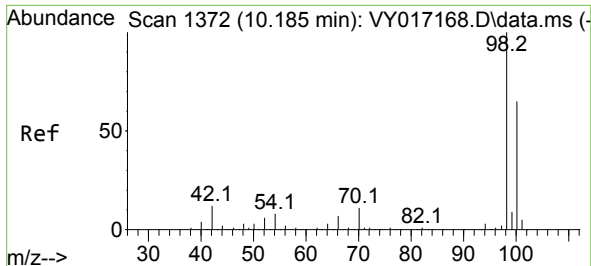
Tgt Ion: 75 Resp: 7893
 Ion Ratio Lower Upper
 75 100
 110 8.1 17.4 52.3#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.652 ug/l
 RT: 7.801 min Scan# 981
 Delta R.T. -0.109 min
 Lab File: VY017173.D
 Acq: 01 Feb 2024 17:40

Tgt Ion: 117 Resp: 9317
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.0 114.0#
 121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 45.581 ug/l

RT: 10.191 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017173.D

Acq: 01 Feb 2024 17:40

Instrument :

MSVOA_Y

ClientSampleId :

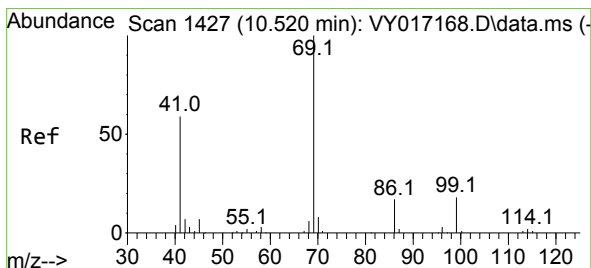
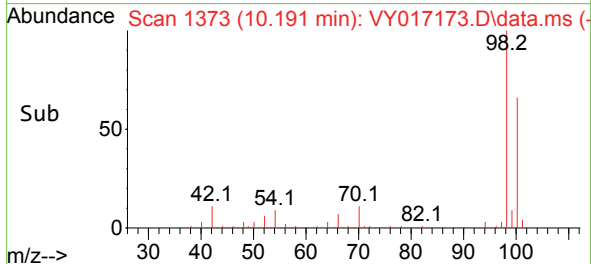
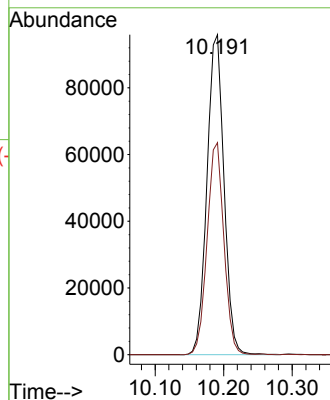
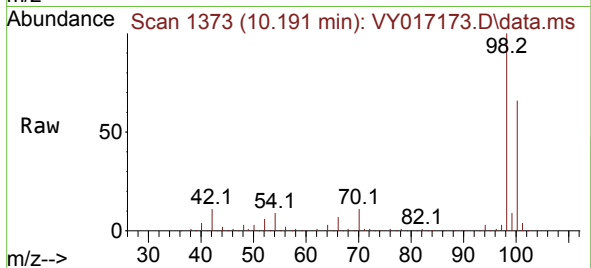
VIBLK

Tgt Ion: 98 Resp: 165630

Ion Ratio Lower Upper

98 100

100 65.4 52.3 78.5



#56

Ethyl methacrylate

Concen: 3.041 ug/l

RT: 10.520 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VY017173.D

Acq: 01 Feb 2024 17:40

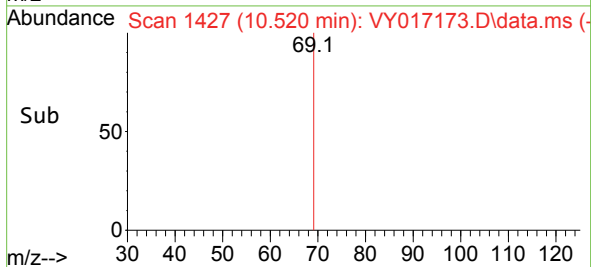
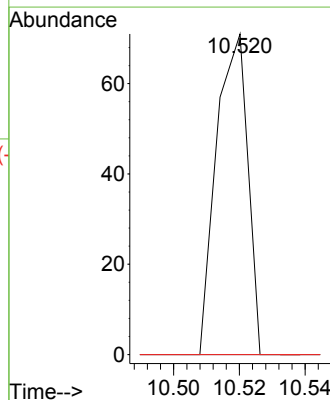
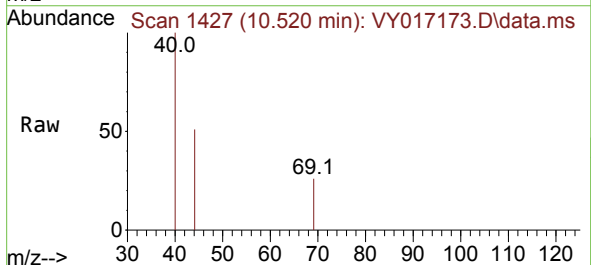
Tgt Ion: 69 Resp: 47

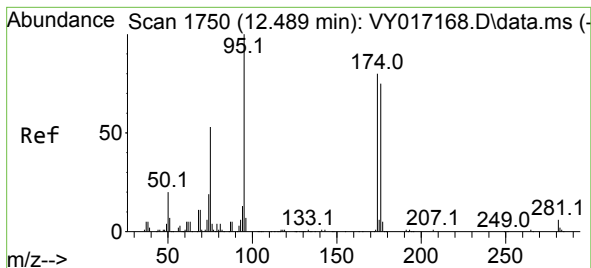
Ion Ratio Lower Upper

69 100

41 0.0 49.2 73.8#

39 0.0 26.8 40.2#

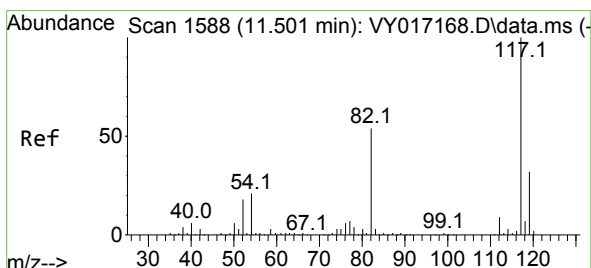
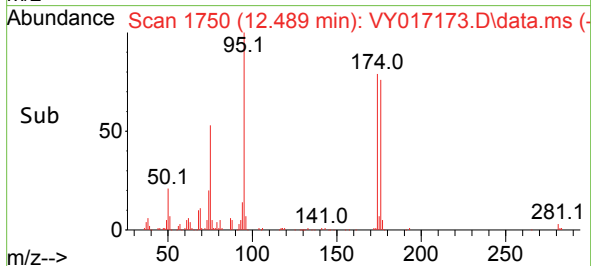
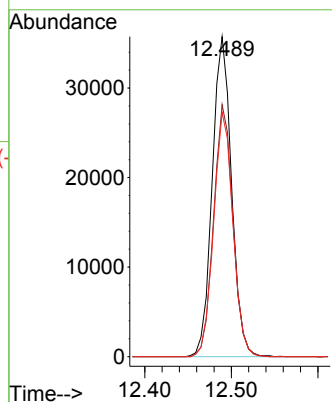
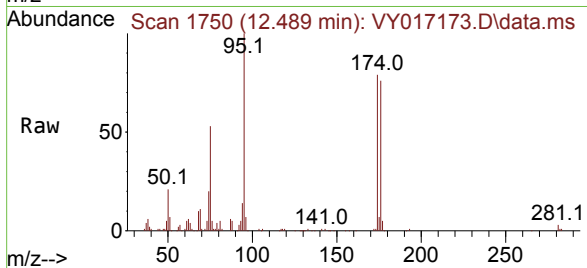




#62
4-Bromofluorobenzene
Concen: 46.451 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY017173.D
Acq: 01 Feb 2024 17:40

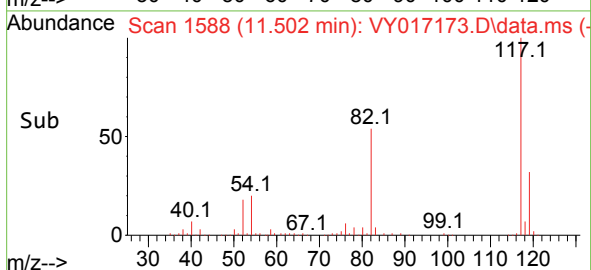
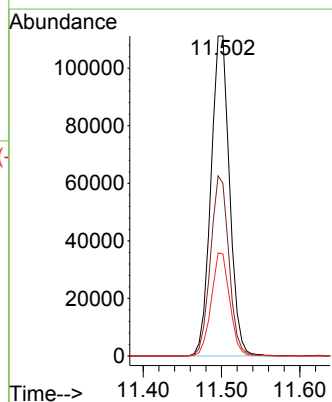
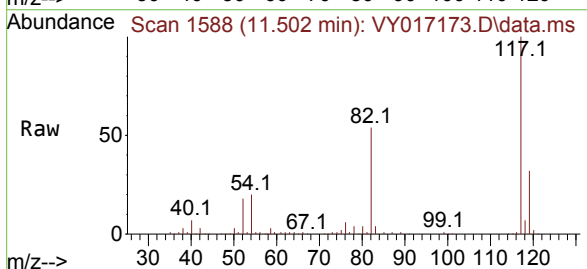
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

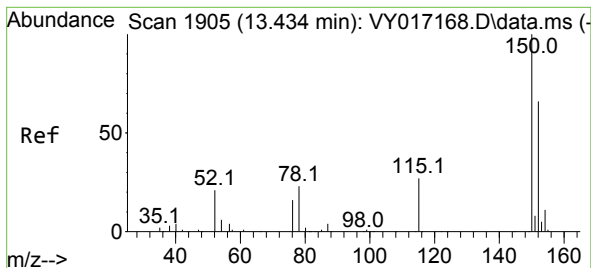
Tgt Ion:	95	Resp:	55294
Ion Ratio	Lower	Upper	
95	100		
174	78.4	0.0	160.0
176	76.2	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.000 min
Lab File: VY017173.D
Acq: 01 Feb 2024 17:40

Tgt Ion:	117	Resp:	183715
Ion Ratio	Lower	Upper	
117	100		
82	54.0	43.8	65.8
119	31.9	26.5	39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY017173.D

Acq: 01 Feb 2024 17:40

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

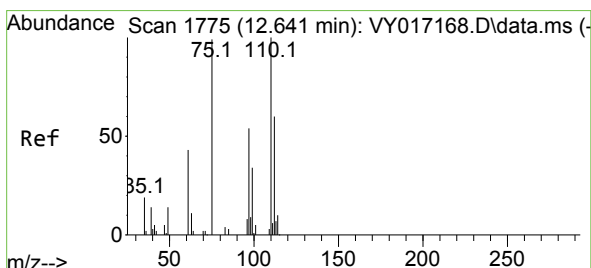
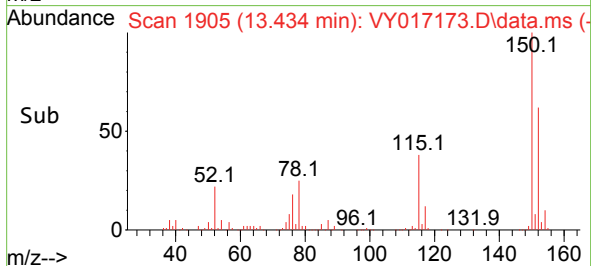
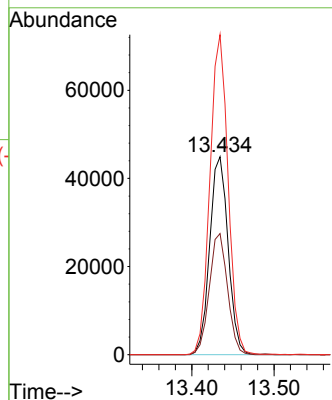
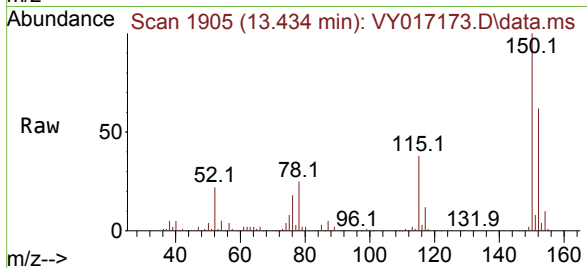
Tgt Ion:152 Resp: 69938

Ion Ratio Lower Upper

152 100

115 60.6 30.0 90.0

150 159.0 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 45.630 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY017173.D

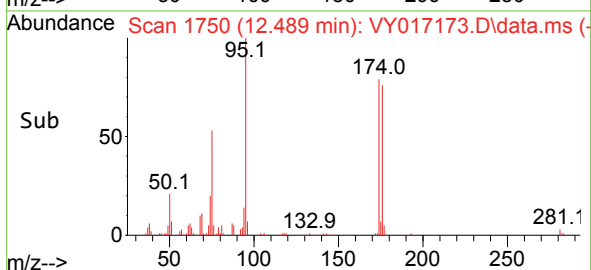
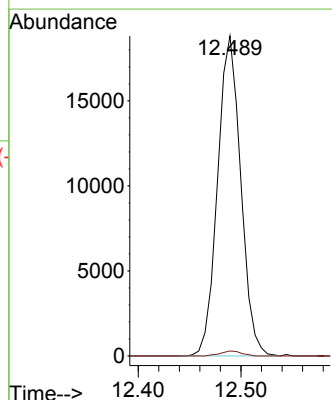
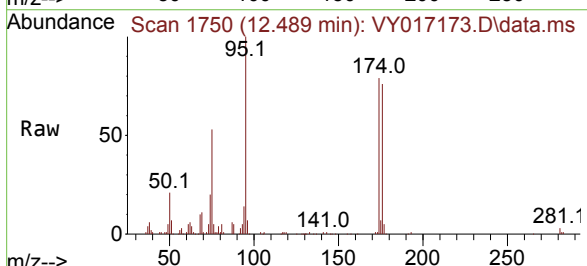
Acq: 01 Feb 2024 17:40

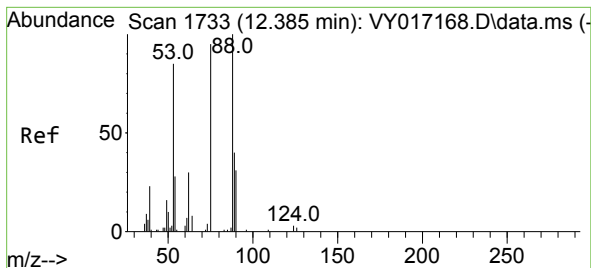
Tgt Ion: 75 Resp: 29455

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

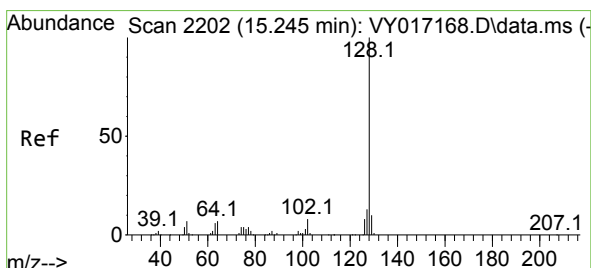
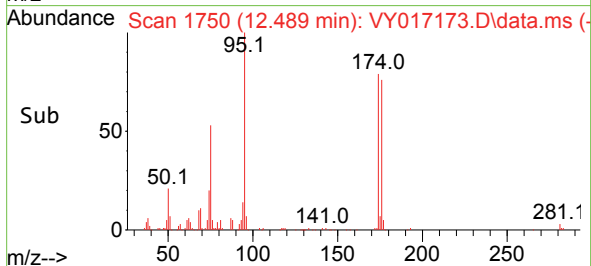
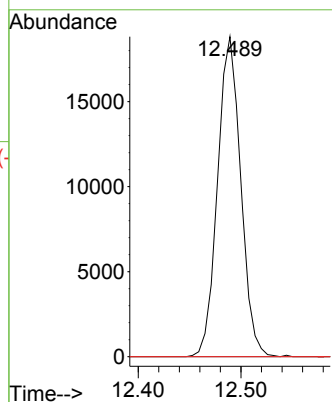
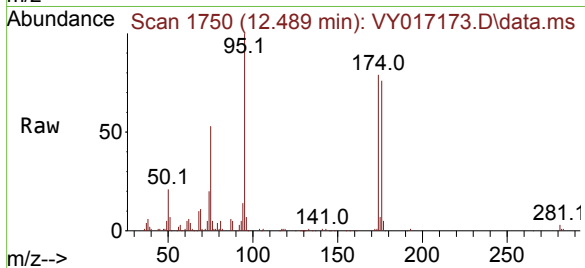




#81
trans-1,4-Dichloro-2-butene
Concen: 94.813 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017173.D
Acq: 01 Feb 2024 17:40

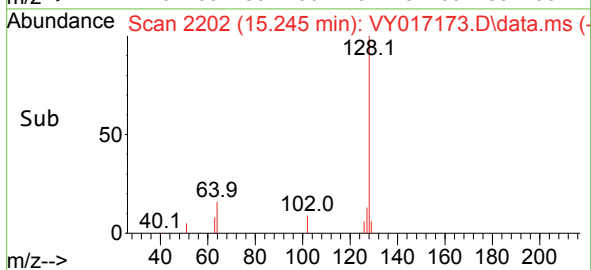
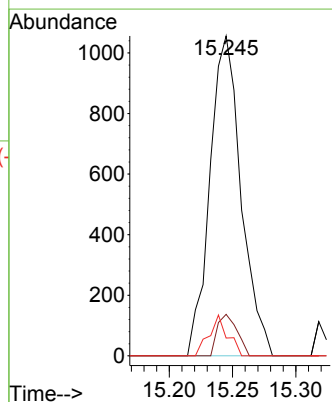
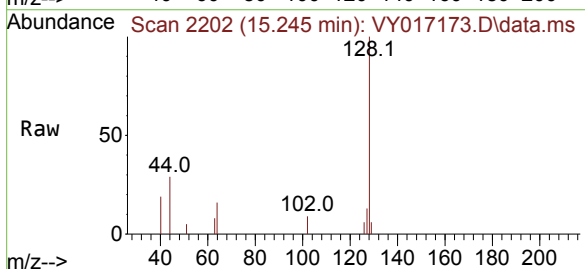
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

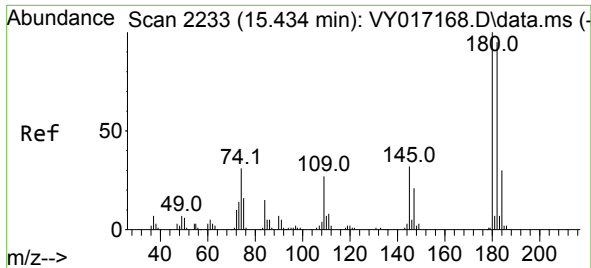
Tgt Ion: 75 Resp: 29455
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 4.337 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY017173.D
Acq: 01 Feb 2024 17:40

Tgt Ion: 128 Resp: 1811
Ion Ratio Lower Upper
128 100
127 8.2 10.2 15.4#
129 7.6 8.6 12.8#





#96

1,2,3-Trichlorobenzene

Concen: 1.096 ug/l

RT: 15.434 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY017173.D

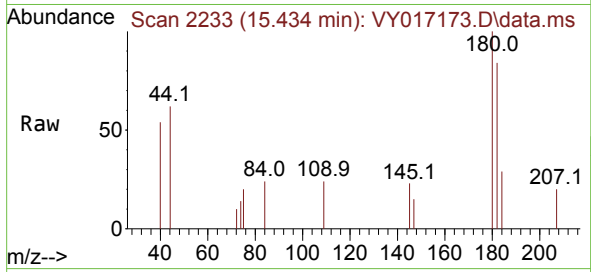
Acq: 01 Feb 2024 17:40

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK



Tgt Ion:180 Resp: 896

Ion Ratio Lower Upper

180 100

182 89.2 46.3 138.8

145 36.7 16.1 48.2

