

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020124\
 Data File : VY017171.D
 Acq On : 01 Feb 2024 16:02
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Feb 02 00:59:07 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)

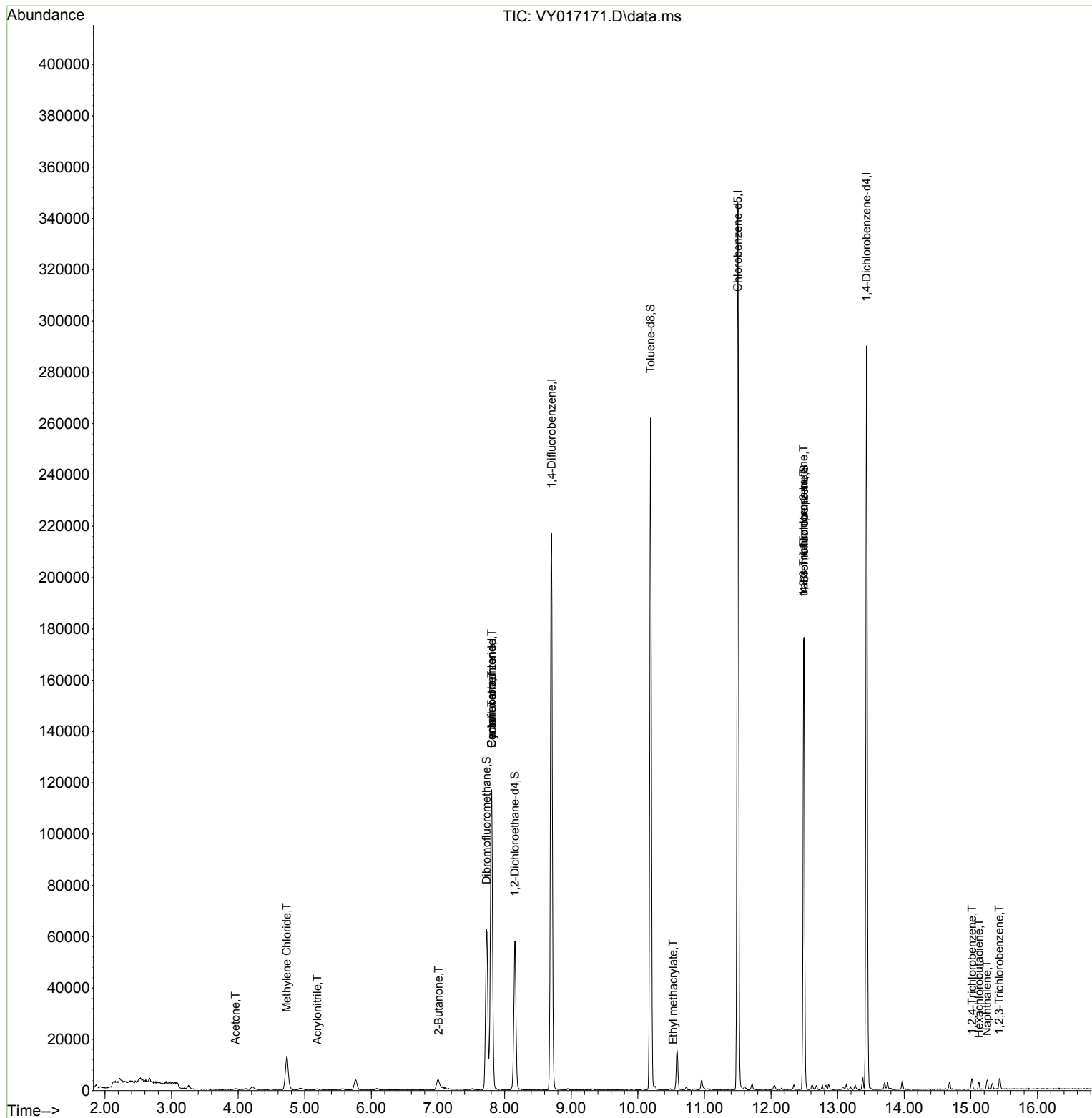
Internal Standards						
1) Pentafluorobenzene	7.807	168	90318	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	189320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	184230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	70453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	42903	53.174	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 106.340%		
35) Dibromofluoromethane	7.728	113	45547	44.557	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 89.120%		
50) Toluene-d8	10.191	98	166718	44.795	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery	= 89.600%		
62) 4-Bromofluorobenzene	12.495	95	55418	45.455	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery	= 90.900%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.942	59	769	Below Cal	#	75
13) Acrolein	3.723	56	26	Below Cal	#	15
15) Acrylonitrile	5.186	53	443	2.029	ug/l #	65
16) Acetone	3.960	43	695	2.931	ug/l	96
20) Methylene Chloride	4.729	84	9692	6.963	ug/l	95
25) 2-Butanone	7.009	43	609	1.932	ug/l #	74
31) Cyclohexane	7.807	56	2164	1.331	ug/l #	28
38) Carbon Tetrachloride	7.807	117	9105	5.393	ug/l #	17
56) Ethyl methacrylate	10.532	69	93	3.076	ug/l #	49
76) 1,2,3-Trichloropropane	12.489	75	28992	44.585	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	28992	92.641	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.019	180	1488	1.536	ug/l	98
94) Hexachlorobutadiene	15.123	225	603	1.057	ug/l	82
95) Naphthalene	15.245	128	3262	5.056	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	1651	2.004	ug/l	93

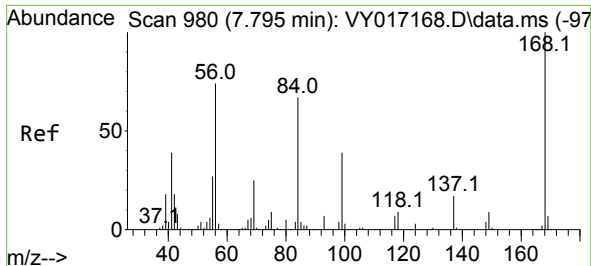
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020124\
Data File : VY017171.D
Acq On : 01 Feb 2024 16:02
Operator : SY/MD
Sample : VIBLK
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Quant Time: Feb 02 00:59:07 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

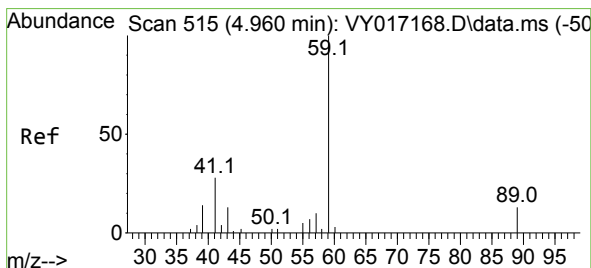
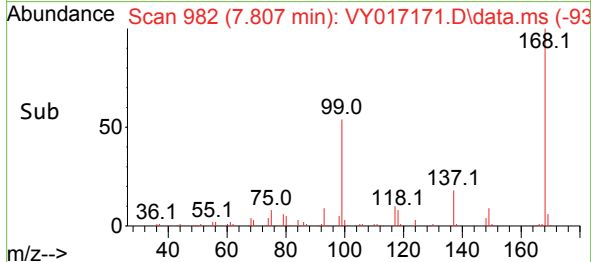
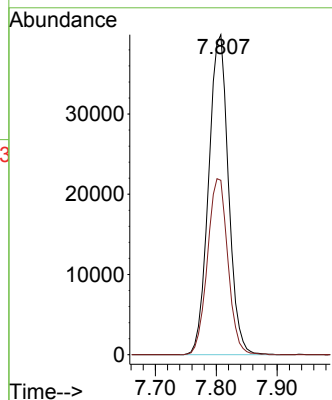
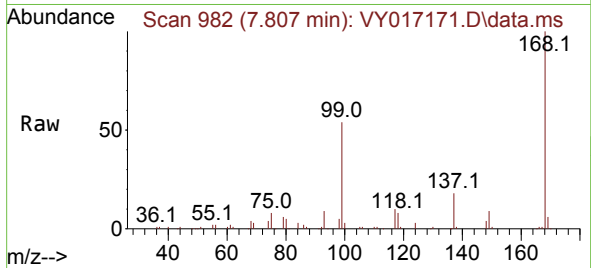




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY017171.D
Acq: 01 Feb 2024 16:02

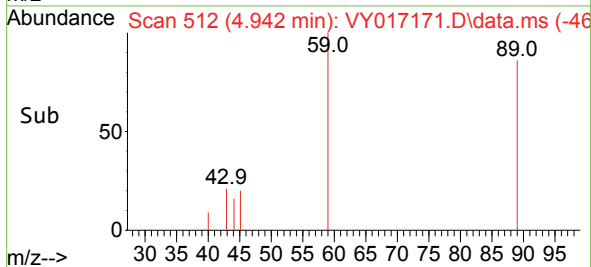
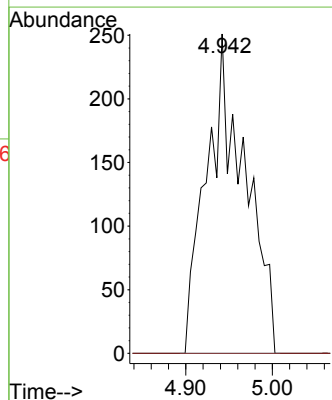
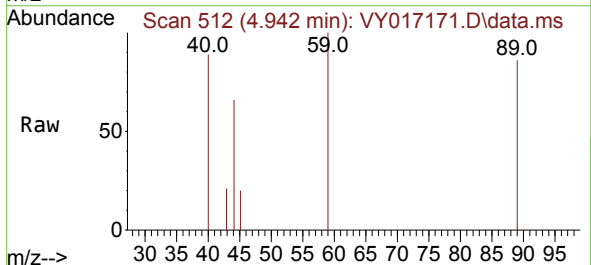
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

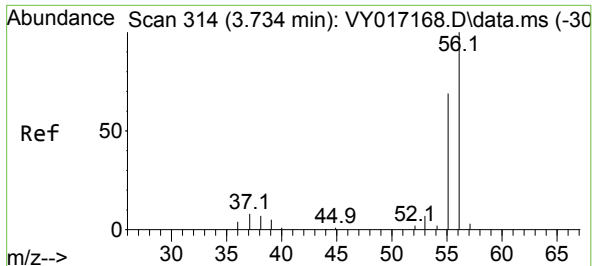
Tgt Ion:168 Resp: 90318
Ion Ratio Lower Upper
168 100
99 54.5 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY017171.D
Acq: 01 Feb 2024 16:02

Tgt Ion: 59 Resp: 769
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#13

Acrolein

Concen: Below Cal

RT: 3.723 min Scan# 31

Delta R.T. -0.011 min

Lab File: VY017171.D

Acq: 01 Feb 2024 16:02

Instrument :

MSVOA_Y

ClientSampleId :

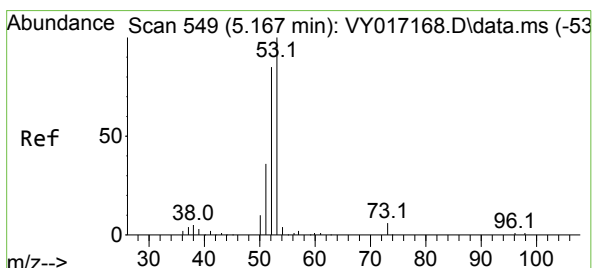
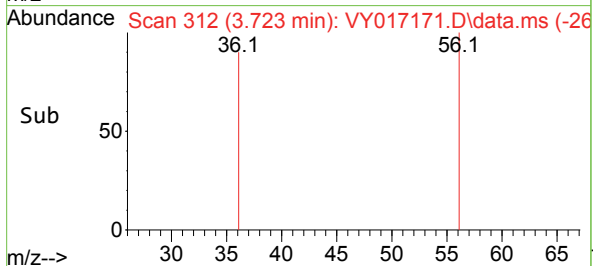
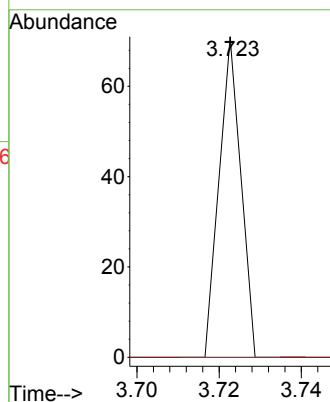
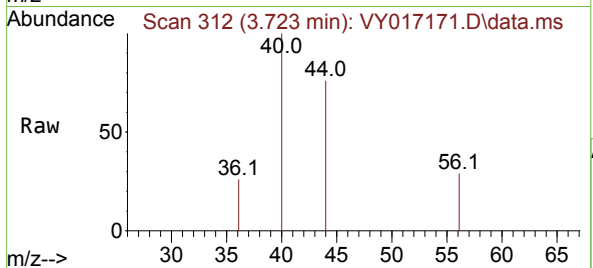
VIBLK

Tgt Ion: 56 Resp: 26

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



#15

Acrylonitrile

Concen: 2.029 ug/l

RT: 5.186 min Scan# 552

Delta R.T. 0.019 min

Lab File: VY017171.D

Acq: 01 Feb 2024 16:02

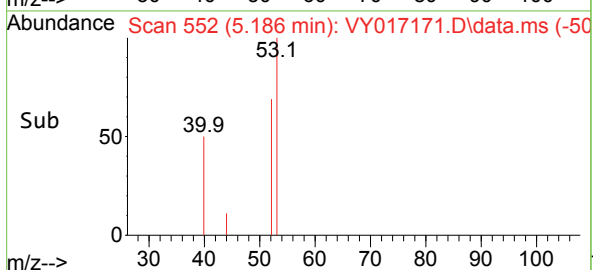
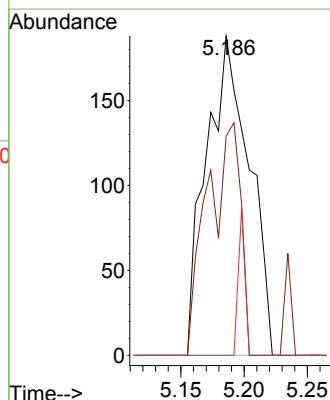
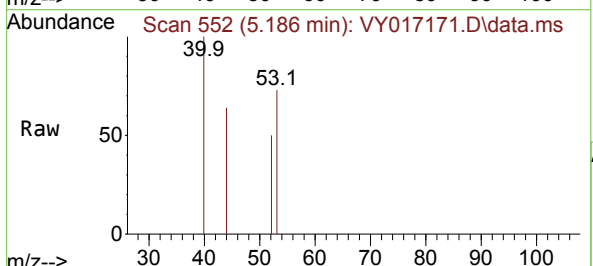
Tgt Ion: 53 Resp: 443

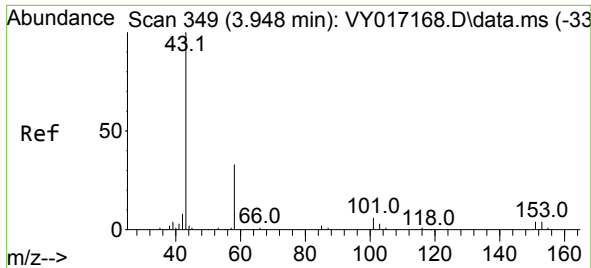
Ion Ratio Lower Upper

53 100

52 56.2 65.1 97.7#

51 7.2 29.0 43.4#





#16

Acetone

Concen: 2.931 ug/l

RT: 3.960 min Scan# 3

Delta R.T. 0.013 min

Lab File: VY017171.D

Acq: 01 Feb 2024 16:02

Instrument :

MSVOA_Y

ClientSampleId :

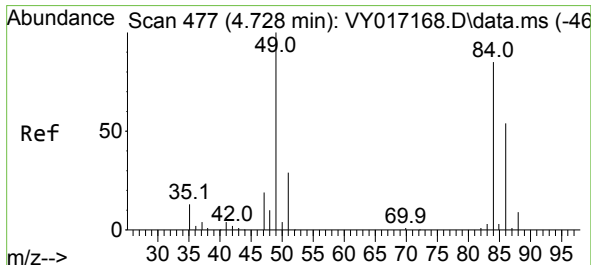
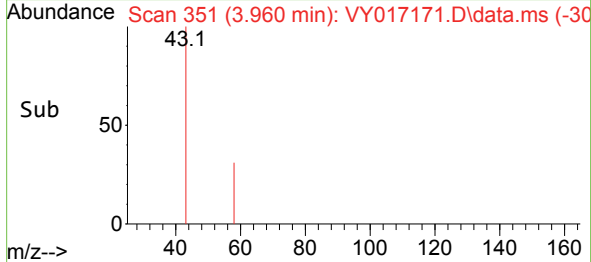
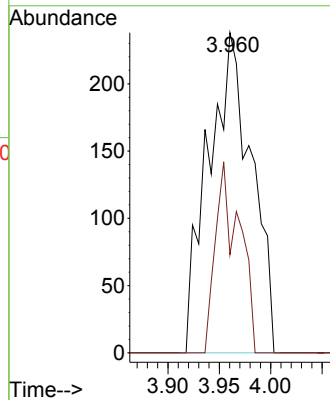
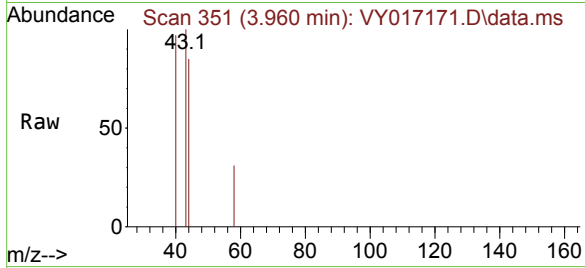
VIBLK

Tgt Ion: 43 Resp: 695

Ion Ratio Lower Upper

43 100

58 30.7 26.6 39.8



#20

Methylene Chloride

Concen: 6.963 ug/l

RT: 4.729 min Scan# 477

Delta R.T. 0.001 min

Lab File: VY017171.D

Acq: 01 Feb 2024 16:02

Tgt Ion: 84 Resp: 9692

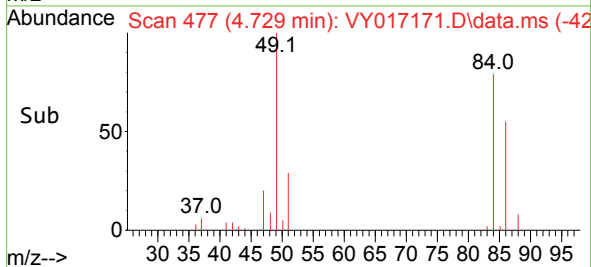
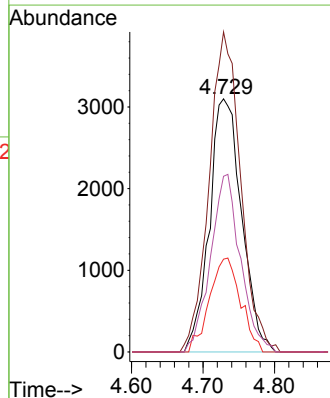
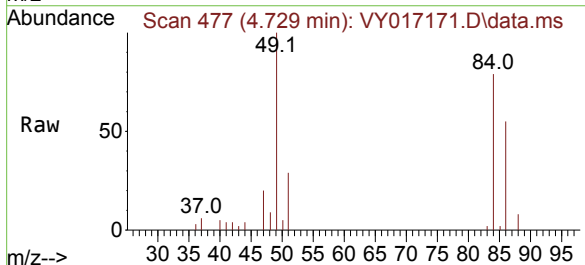
Ion Ratio Lower Upper

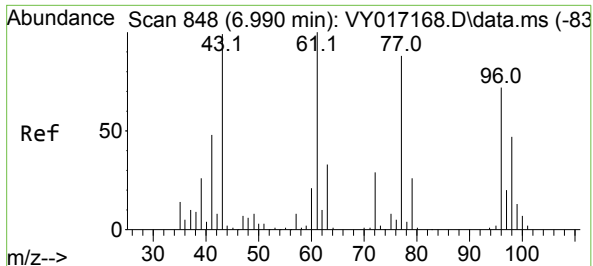
84 100

49 126.5 95.2 142.8

51 36.7 29.9 44.9

86 69.4 52.2 78.4





#25

2-Butanone

Concen: 1.932 ug/l

RT: 7.009 min Scan# 81

Delta R.T. 0.019 min

Lab File: VY017171.D

Acq: 01 Feb 2024 16:02

Instrument :

MSVOA_Y

ClientSampleId :

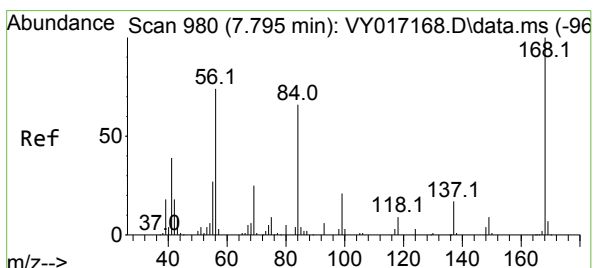
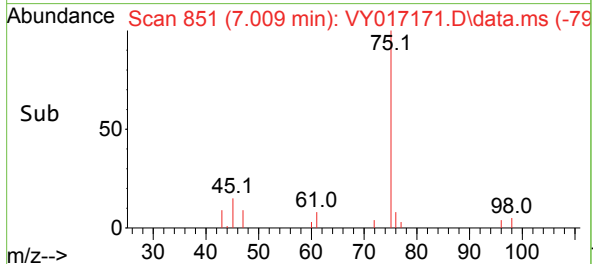
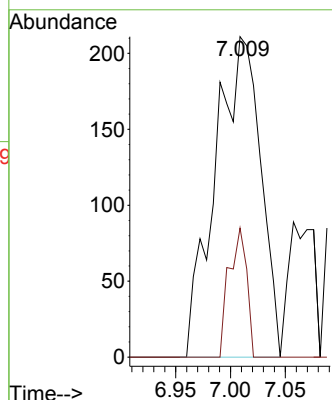
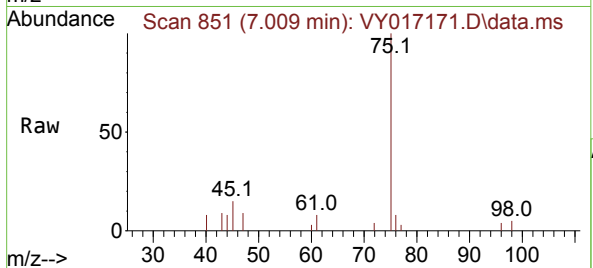
VIBLK

Tgt Ion: 43 Resp: 609

Ion Ratio Lower Upper

43 100

72 40.3 21.4 32.2#



#31

Cyclohexane

Concen: 1.331 ug/l

RT: 7.807 min Scan# 982

Delta R.T. 0.013 min

Lab File: VY017171.D

Acq: 01 Feb 2024 16:02

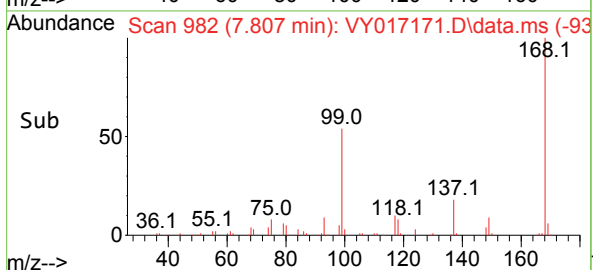
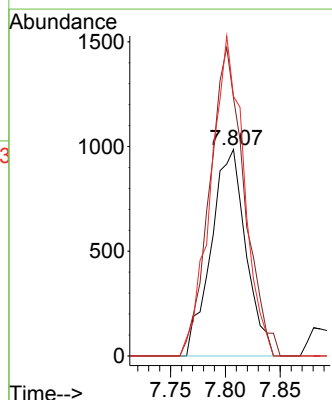
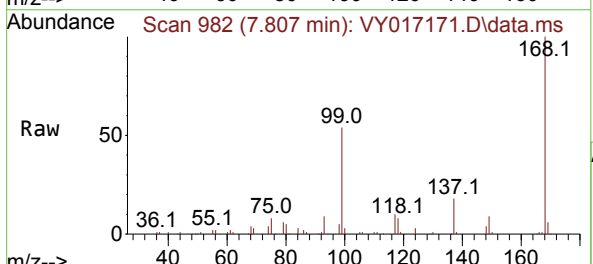
Tgt Ion: 56 Resp: 2164

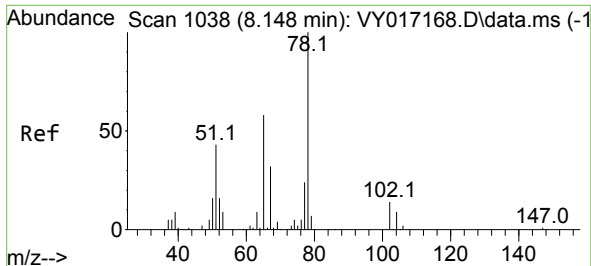
Ion Ratio Lower Upper

56 100

69 125.1 27.0 40.6#

84 125.8 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 53.174 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.007 min

Lab File: VY017171.D

Acq: 01 Feb 2024 16:02

Instrument :

MSVOA_Y

ClientSampleId :

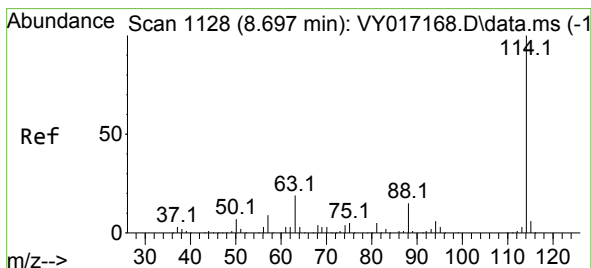
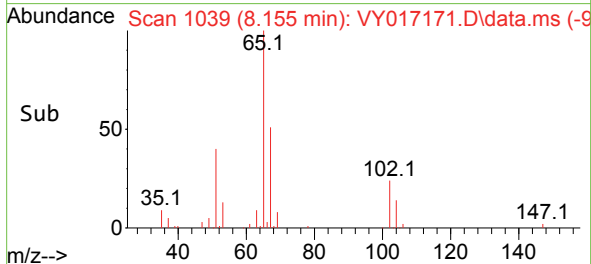
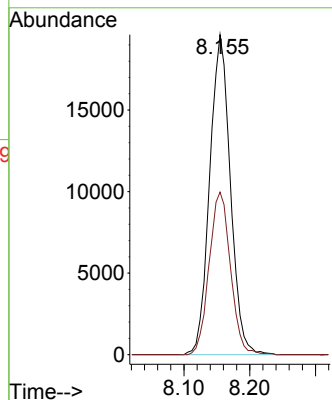
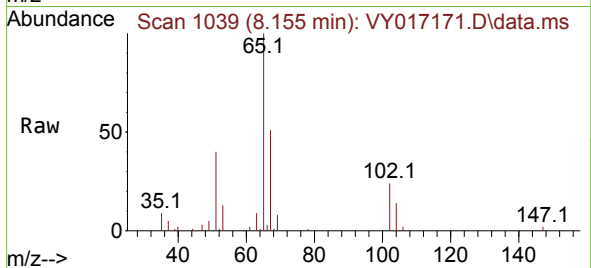
VIBLK

Tgt Ion: 65 Resp: 42903

Ion Ratio Lower Upper

65 100

67 52.4 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.007 min

Lab File: VY017171.D

Acq: 01 Feb 2024 16:02

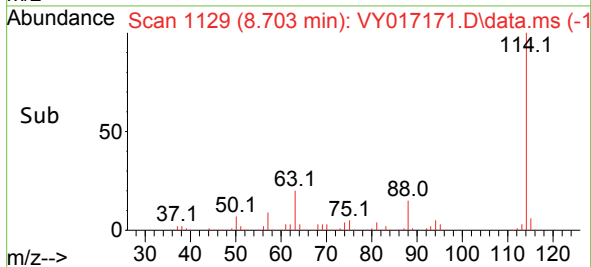
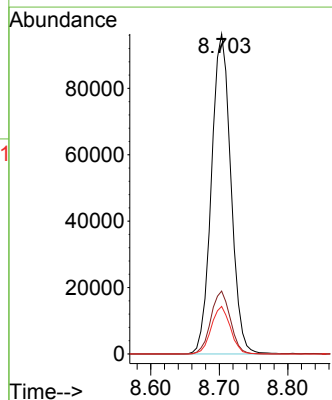
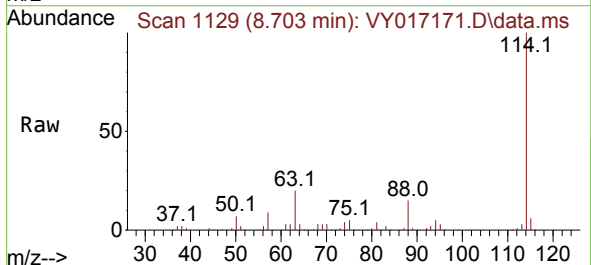
Tgt Ion: 114 Resp: 189320

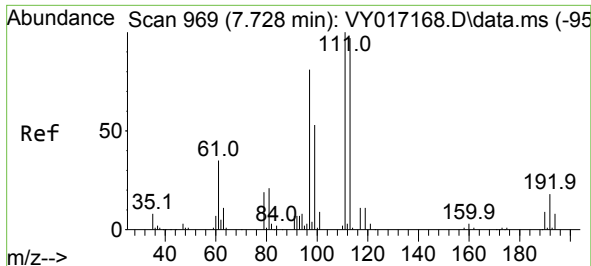
Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.4

88 14.9 0.0 29.0

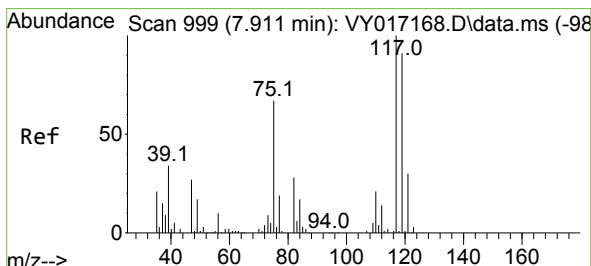
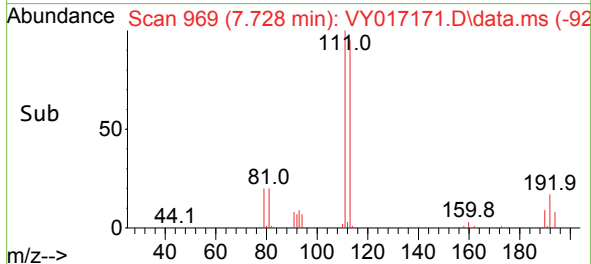
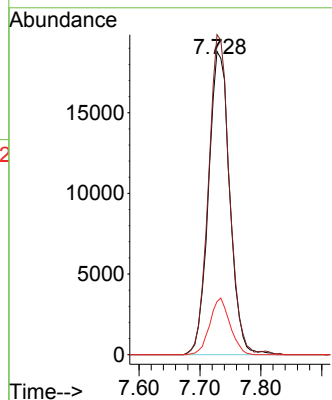
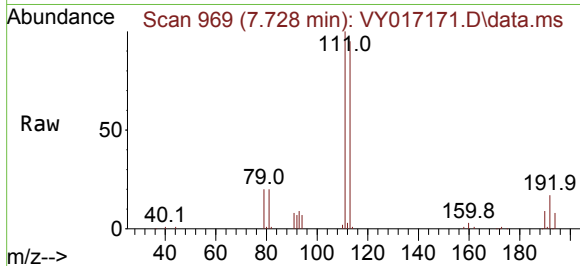




#35
 Dibromofluoromethane
 Concen: 44.557 ug/l
 RT: 7.728 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VY017171.D
 Acq: 01 Feb 2024 16:02

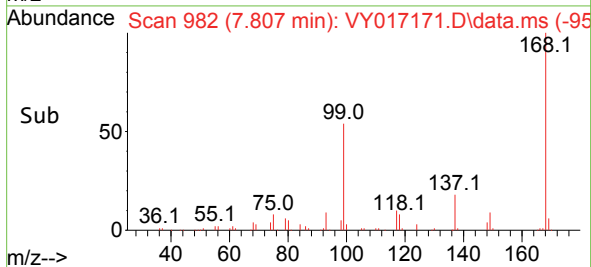
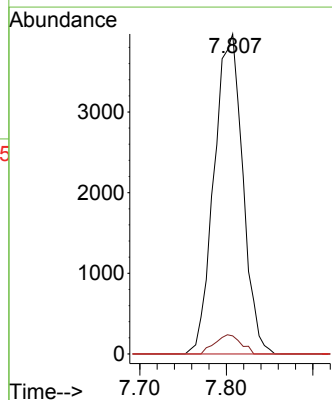
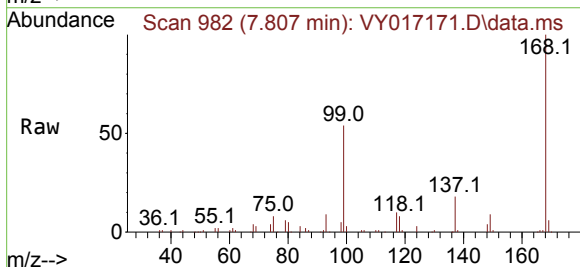
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

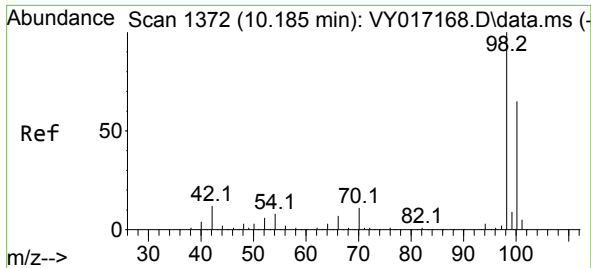
Tgt Ion:	113	Resp:	45547
Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.8	125.6
192	17.7	14.5	21.7



#38
 Carbon Tetrachloride
 Concen: 5.393 ug/l
 RT: 7.807 min Scan# 982
 Delta R.T. -0.103 min
 Lab File: VY017171.D
 Acq: 01 Feb 2024 16:02

Tgt Ion:	117	Resp:	9105
Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.0	114.0#
121	0.0	24.2	36.2#

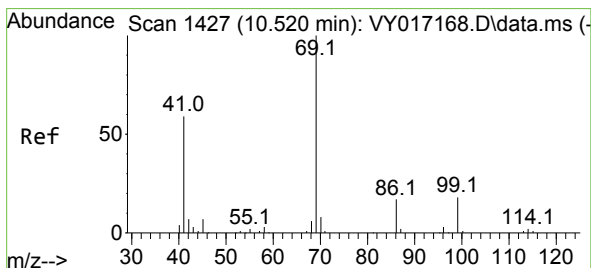
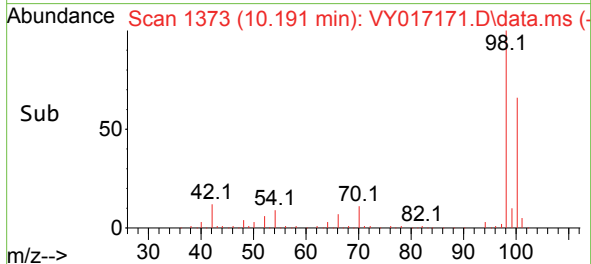
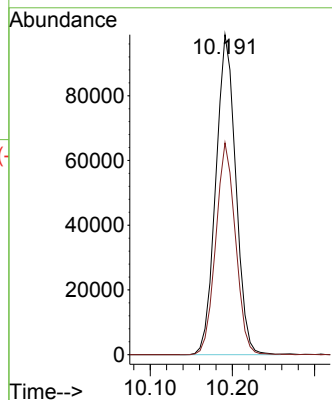
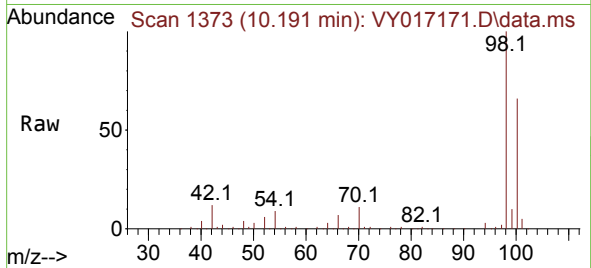




#50
Toluene-d8
Concen: 44.795 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY017171.D
Acq: 01 Feb 2024 16:02

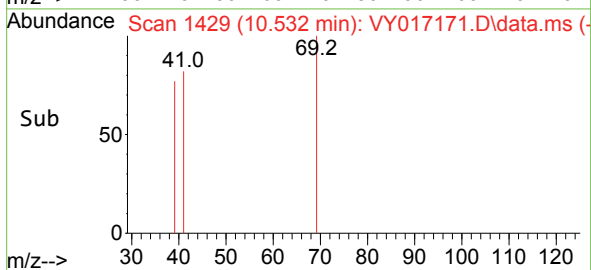
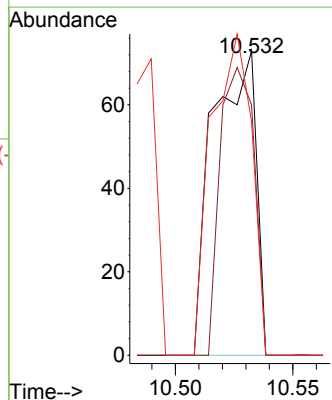
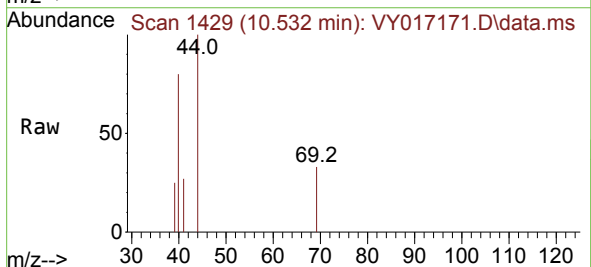
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

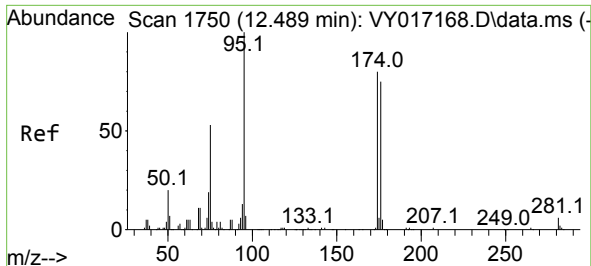
Tgt Ion: 98 Resp: 166718
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5



#56
Ethyl methacrylate
Concen: 3.076 ug/l
RT: 10.532 min Scan# 1429
Delta R.T. 0.012 min
Lab File: VY017171.D
Acq: 01 Feb 2024 16:02

Tgt Ion: 69 Resp: 93
Ion Ratio Lower Upper
69 100
41 74.2 49.2 73.8#
39 98.9 26.8 40.2#

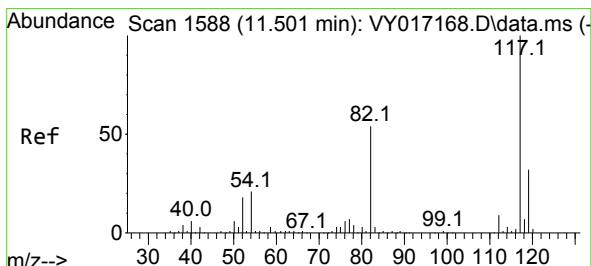
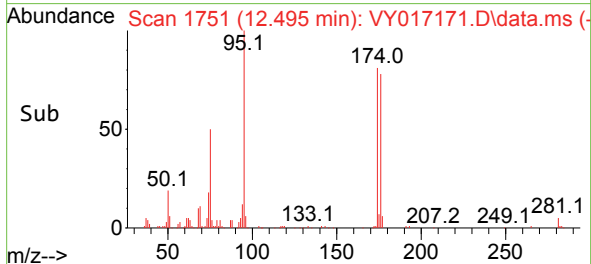
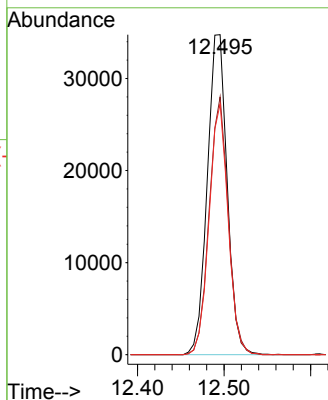
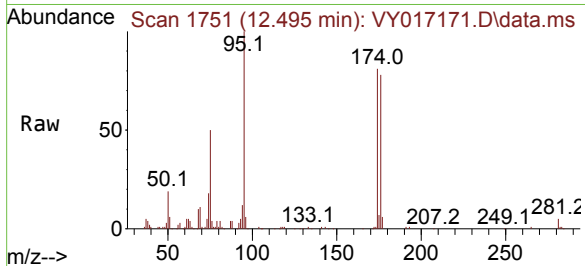




#62
4-Bromofluorobenzene
Concen: 45.455 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY017171.D
Acq: 01 Feb 2024 16:02

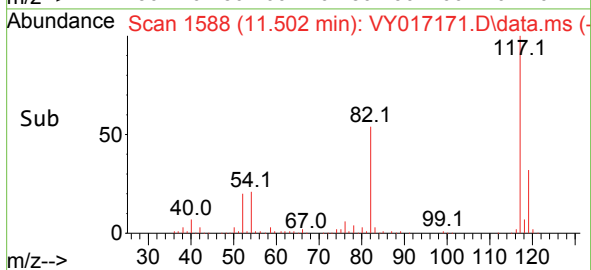
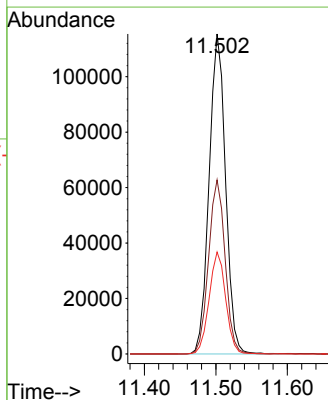
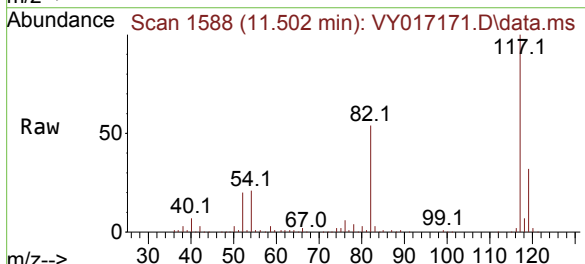
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

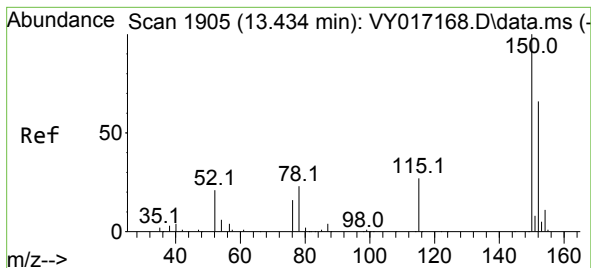
Tgt Ion: 95	Resp: 55418
Ion Ratio	Lower Upper
95 100	
174 77.3	0.0 160.0
176 74.9	0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.000 min
Lab File: VY017171.D
Acq: 01 Feb 2024 16:02

Tgt Ion: 117	Resp: 184230
Ion Ratio	Lower Upper
117 100	
82 54.4	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: VY017171.D

Acq: 01 Feb 2024 16:02

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

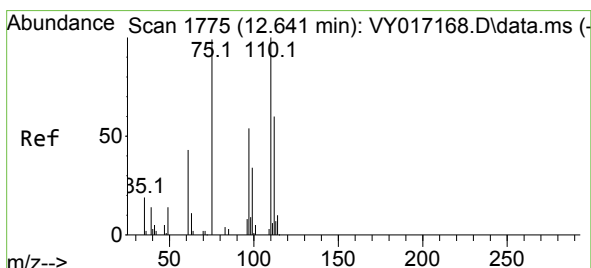
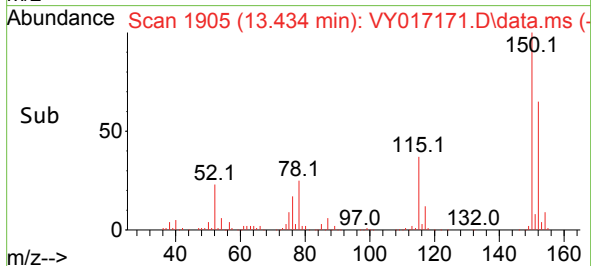
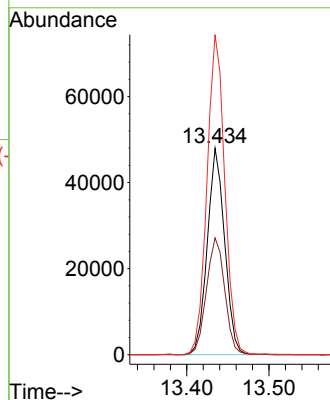
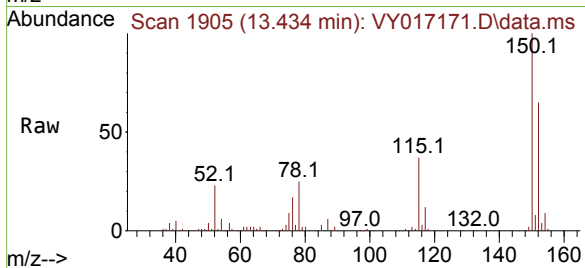
Tgt Ion:152 Resp: 70453

Ion Ratio Lower Upper

152 100

115 59.5 30.0 90.0

150 158.7 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 44.585 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY017171.D

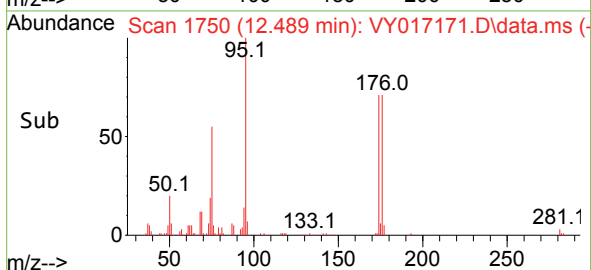
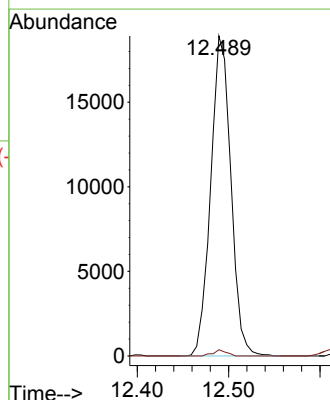
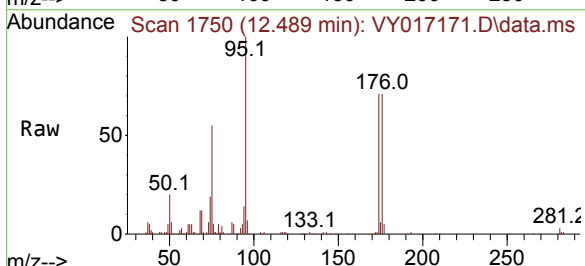
Acq: 01 Feb 2024 16:02

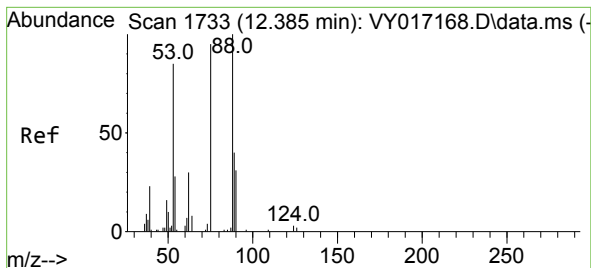
Tgt Ion: 75 Resp: 28992

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

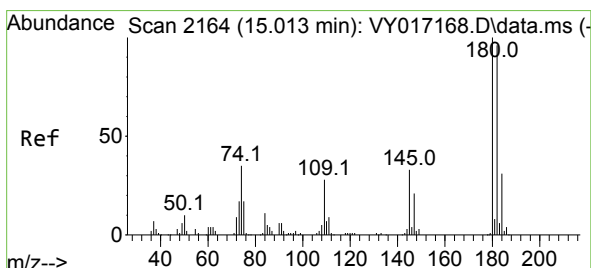
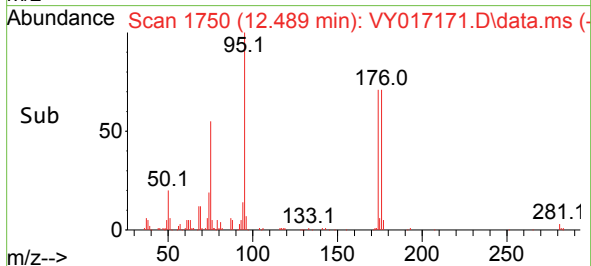
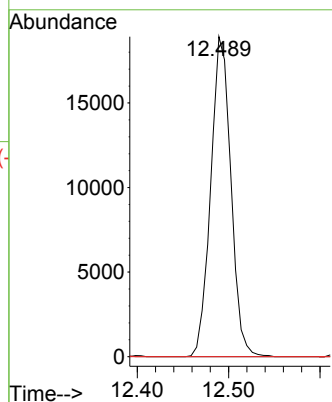
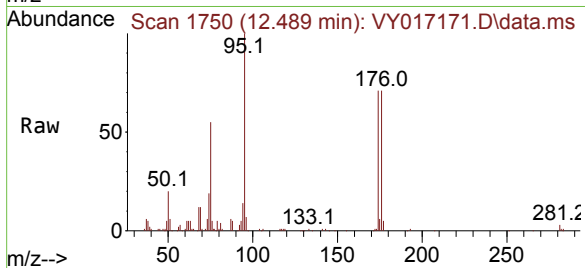




#81
trans-1,4-Dichloro-2-butene
Concen: 92.641 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017171.D
Acq: 01 Feb 2024 16:02

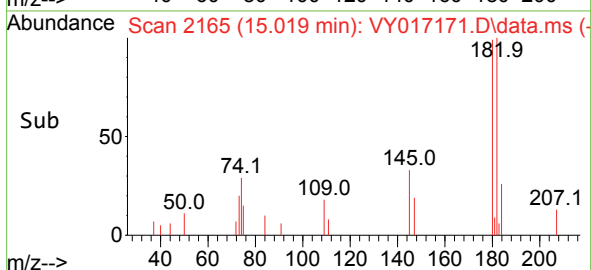
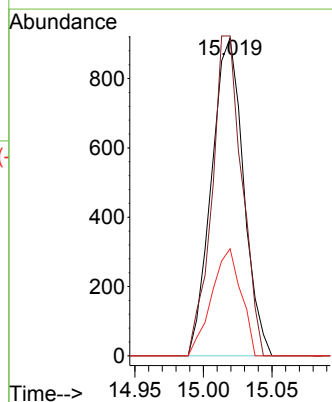
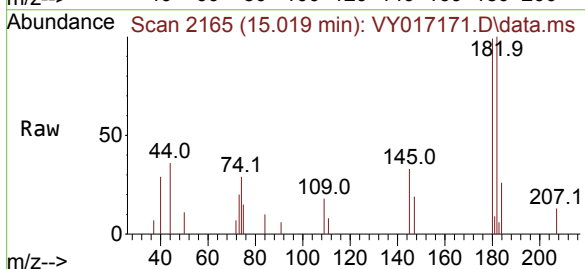
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

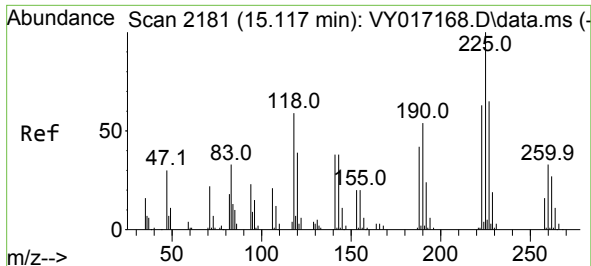
Tgt Ion: 75 Resp: 28992
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#93
1,2,4-Trichlorobenzene
Concen: 1.536 ug/l
RT: 15.019 min Scan# 2165
Delta R.T. 0.006 min
Lab File: VY017171.D
Acq: 01 Feb 2024 16:02

Tgt Ion:180 Resp: 1488
Ion Ratio Lower Upper
180 100
182 94.2 47.9 143.7
145 31.0 15.9 47.7

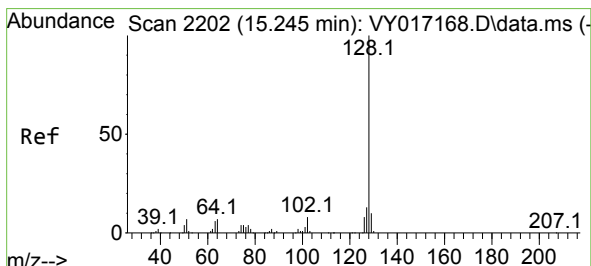
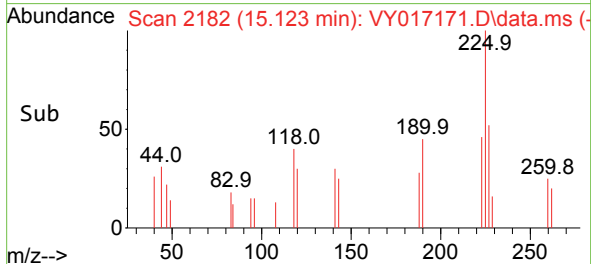
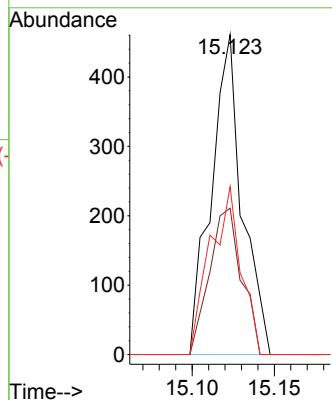
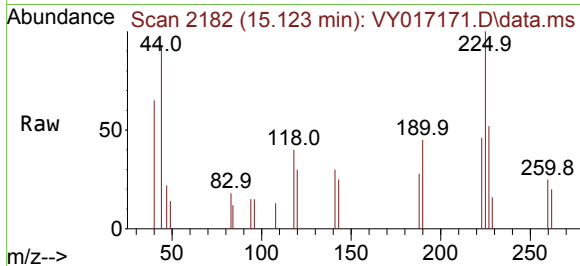




#94
Hexachlorobutadiene
Concen: 1.057 ug/l
RT: 15.123 min Scan# 2181
Delta R.T. 0.007 min
Lab File: VY017171.D
Acq: 01 Feb 2024 16:02

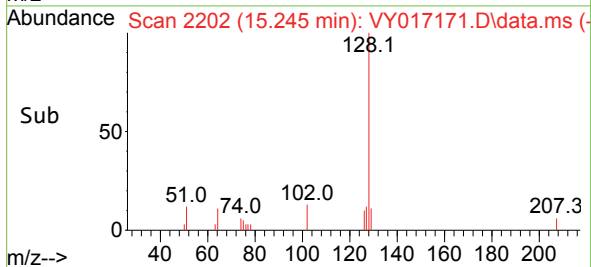
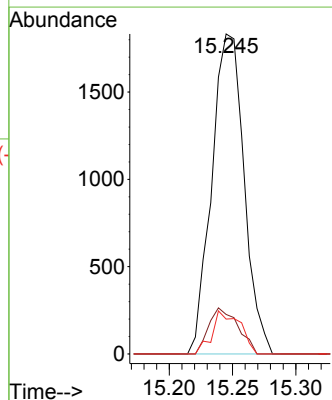
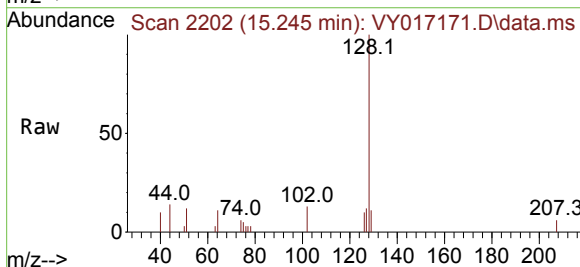
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

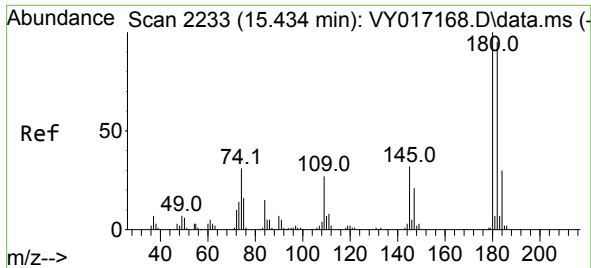
Tgt Ion:225	Resp:	603
Ion Ratio	Lower	Upper
225	100	
223	47.6	31.4 94.3
227	52.4	32.3 96.8



#95
Naphthalene
Concen: 5.056 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY017171.D
Acq: 01 Feb 2024 16:02

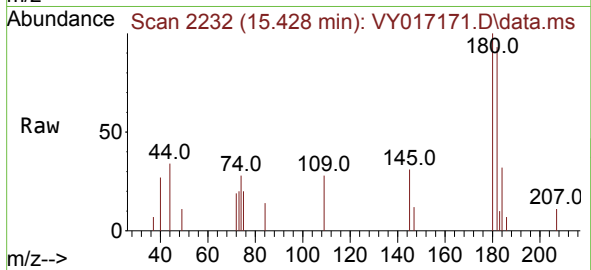
Tgt Ion:128	Resp:	3262
Ion Ratio	Lower	Upper
128	100	
127	13.1	10.2 15.4
129	11.6	8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 2.004 ug/l
 RT: 15.428 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY017171.D
 Acq: 01 Feb 2024 16:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK



Tgt Ion:	180	Resp:	1651
Ion	Ratio	Lower	Upper
180	100		
182	85.3	46.3	138.8
145	28.2	16.1	48.2

