

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080824\
 Data File : VY018930.D
 Acq On : 08 Aug 2024 13:59
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Aug 08 14:33:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080824S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 14:14:24 2024
 Response via : Initial Calibration

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

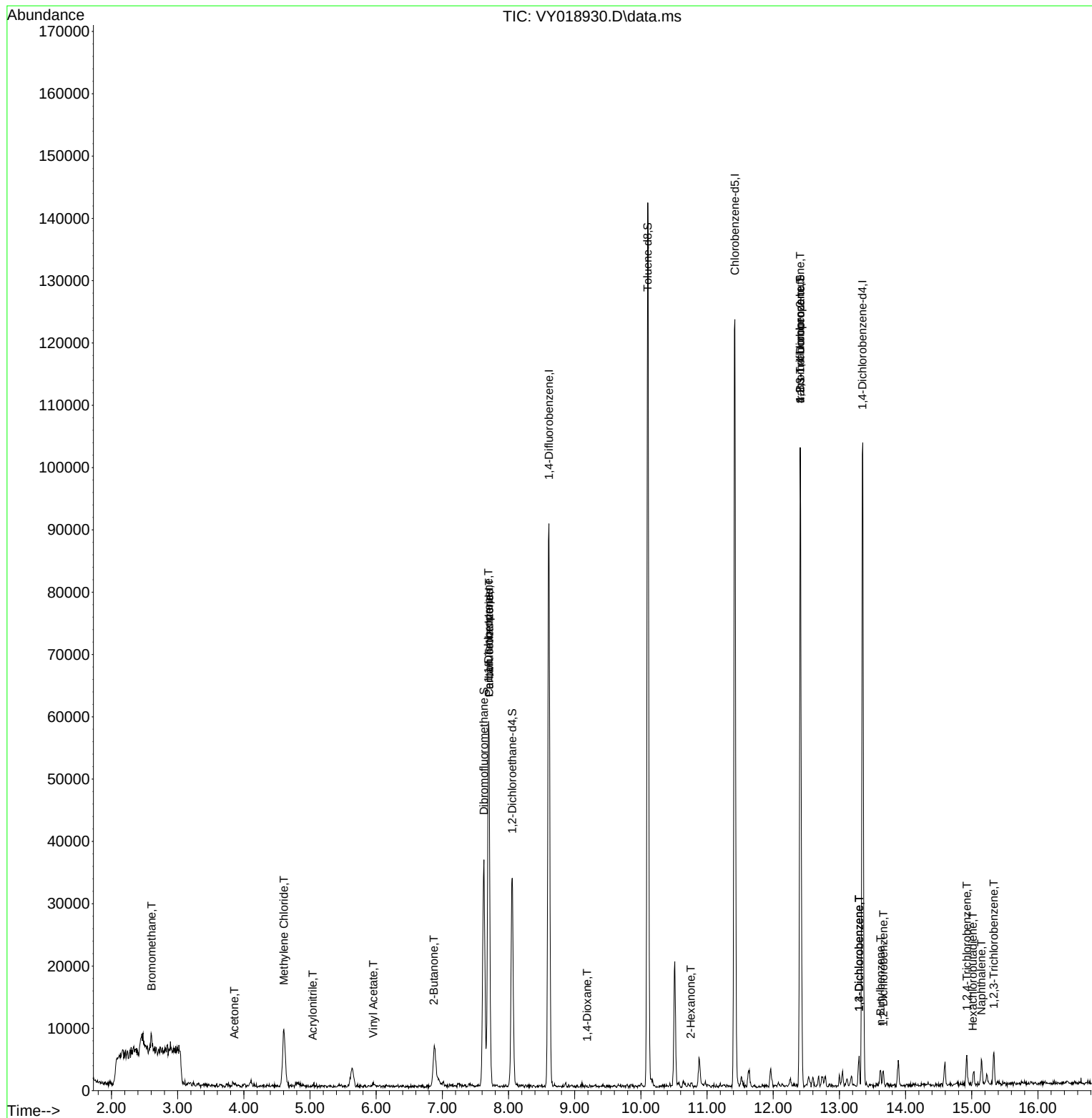
Internal Standards						
1) Pentafluorobenzene	7.707	168	49469	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	78490	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	63748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	25296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	21331	49.112	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.220%
35) Dibromofluoromethane	7.628	113	23833	47.542	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.080%
50) Toluene-d8	10.103	98	91535	47.537	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.080%
62) 4-Bromofluorobenzene	12.408	95	24343	42.612	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.220%
Target Compounds						
					Qvalue	
3) Chloromethane	2.068	50	634	Below Cal	#	88
5) Bromomethane	2.605	94	1523	1.675	ug/l	89
11) Tert butyl alcohol	4.818	59	784	Below Cal	#	88
13) Acrolein	3.635	56	56	Below Cal	#	1
15) Acrylonitrile	5.043	53	255	2.778	ug/l	44
16) Acetone	3.854	43	534	17.043	ug/l	45
20) Methylene Chloride	4.604	84	5854	6.649	ug/l	90
23) Vinyl Acetate	5.958	43	1131	1.003	ug/l	67
25) 2-Butanone	6.872	43	699	4.971	ug/l	41
31) Cyclohexane	7.695	56	1402	Below Cal	#	43
36) 1,1-Dichloropropene	7.695	75	3858	5.733	ug/l	53
38) Carbon Tetrachloride	7.707	117	4661	6.041	ug/l	13
41) Methacrylonitrile	7.201	41	61	Below Cal	#	32
49) 1,4-Dioxane	9.189	88	22	6.437	ug/l	20
59) 2-Hexanone	10.756	43	615	2.658	ug/l	66
76) 1,2,3-Trichloropropane	12.408	75	13311	42.101	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.408	75	13311	145.547	ug/l	16
87) 1,3-Dichlorobenzene	13.298	146	1129	1.292	ug/l	97
88) 1,4-Dichlorobenzene	13.298	146	1129	1.325	ug/l	98
89) n-Butylbenzene	13.621	91	1500	1.002	ug/l	91
91) 1,2-Dichlorobenzene	13.664	146	1078	1.501	ug/l	84
93) 1,2,4-Trichlorobenzene	14.926	180	1477	3.734	ug/l	96
94) Hexachlorobutadiene	15.017	225	417	1.922	ug/l	79
95) Naphthalene	15.145	128	3266	4.638	ug/l	95
96) 1,2,3-Trichlorobenzene	15.334	180	1452	4.276	ug/l	93

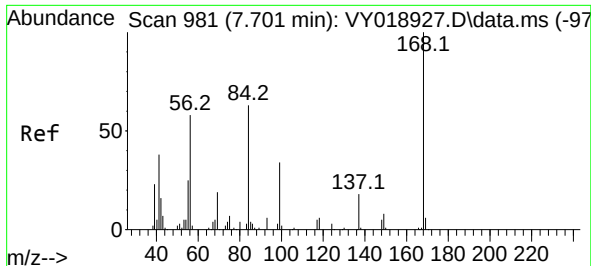
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080824S.M
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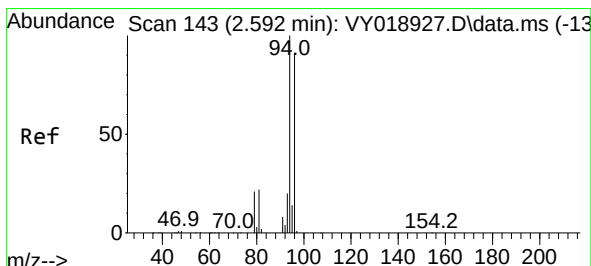
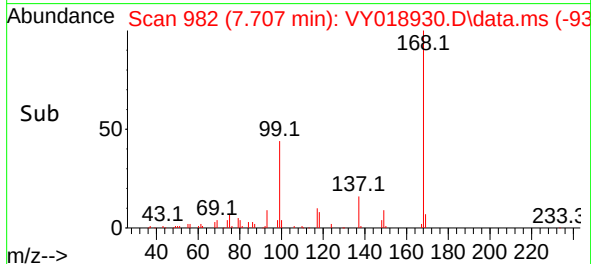
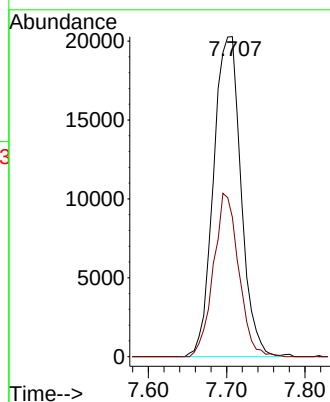
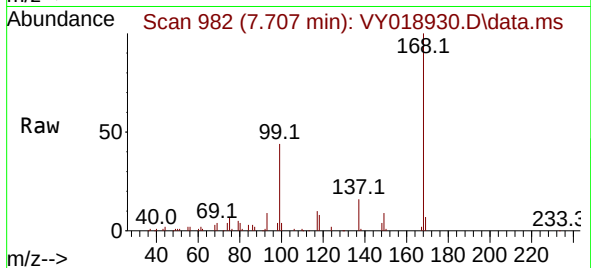




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018930.D
Acq: 08 Aug 2024 13:59

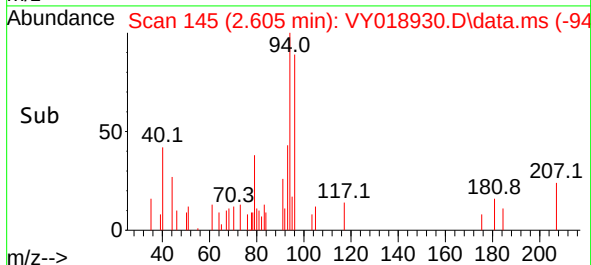
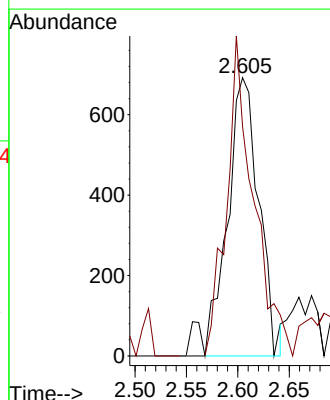
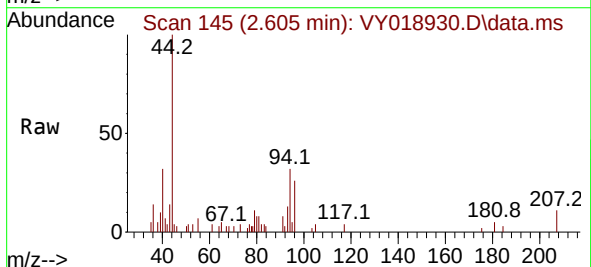
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

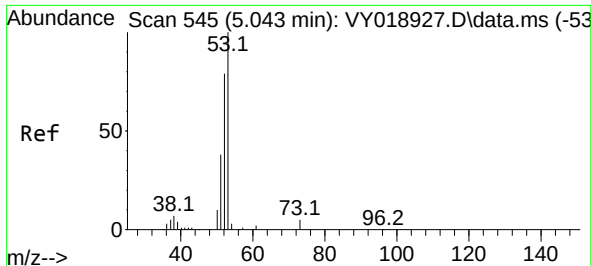
Tgt Ion:168 Resp: 49469
Ion Ratio Lower Upper
168 100
99 43.6 39.1 58.7



#5
Bromomethane
Concen: 1.675 ug/l
RT: 2.605 min Scan# 145
Delta R.T. 0.013 min
Lab File: VY018930.D
Acq: 08 Aug 2024 13:59

Tgt Ion: 94 Resp: 1523
Ion Ratio Lower Upper
94 100
96 82.4 74.1 111.1

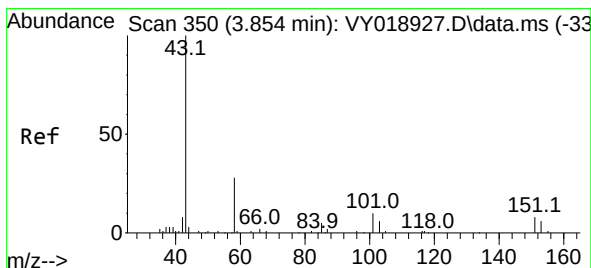
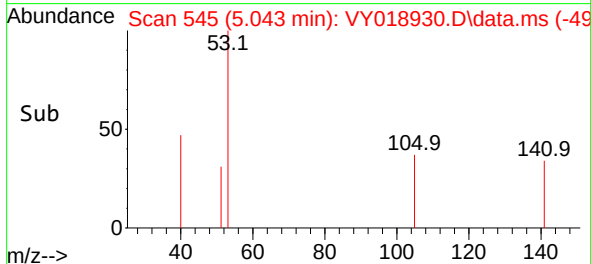
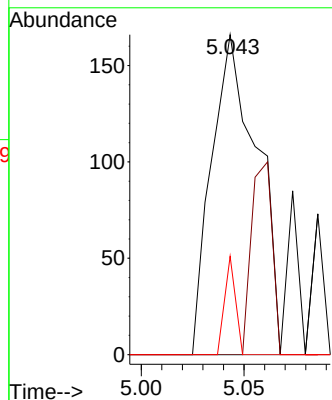
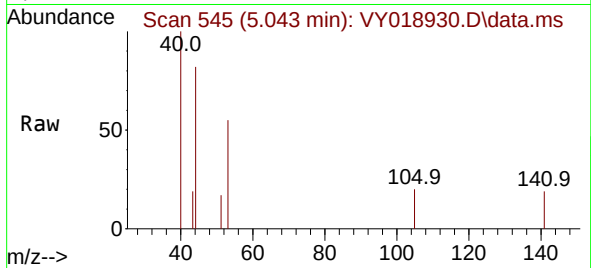




#15
Acrylonitrile
Concen: 2.778 ug/l
RT: 5.043 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY018930.D
Acq: 08 Aug 2024 13:59

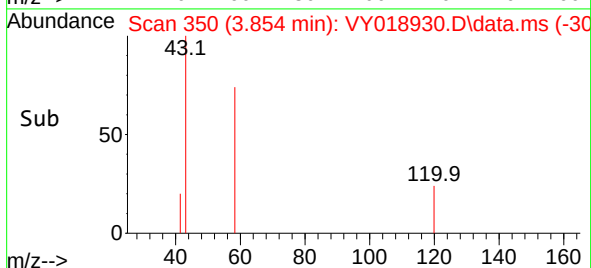
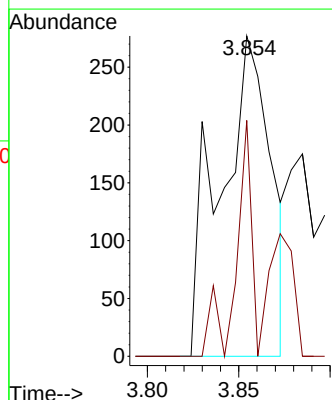
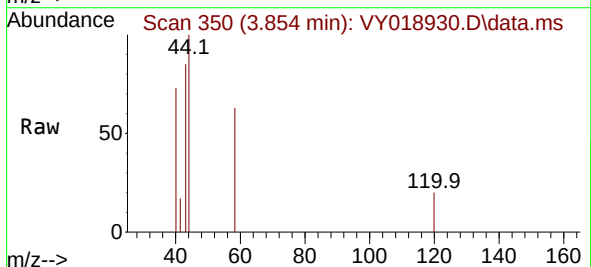
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

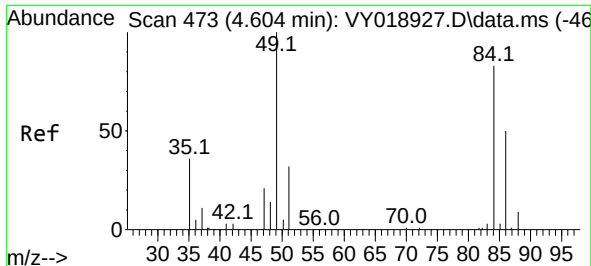
Tgt Ion: 53 Resp: 255
Ion Ratio Lower Upper
53 100
52 27.5 64.7 97.1#
51 7.5 28.4 42.6#



#16
Acetone
Concen: 17.043 ug/l
RT: 3.854 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY018930.D
Acq: 08 Aug 2024 13:59

Tgt Ion: 43 Resp: 534
Ion Ratio Lower Upper
43 100
58 73.6 31.7 47.5#

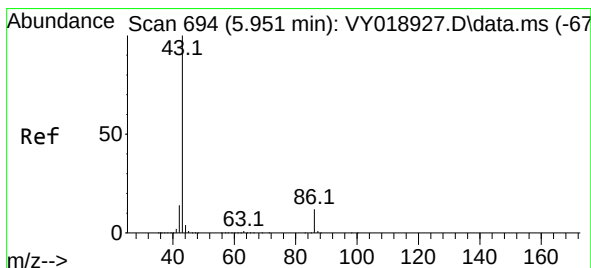
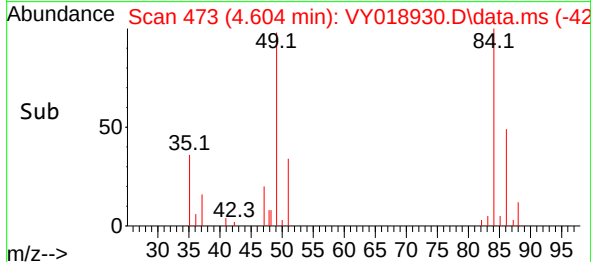
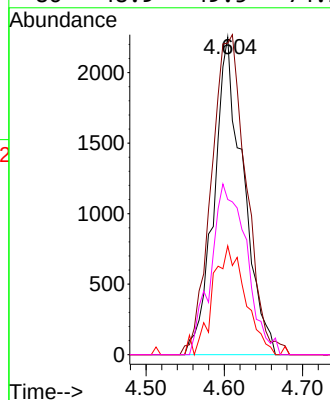
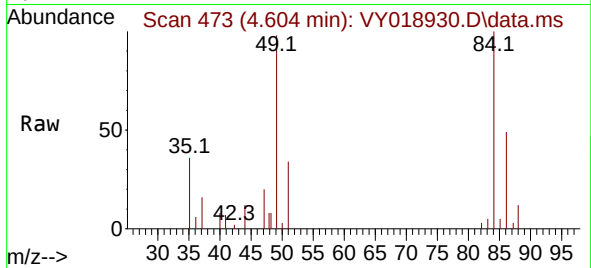




#20
Methylene Chloride
Concen: 6.649 ug/l
RT: 4.604 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY018930.D
Acq: 08 Aug 2024 13:59

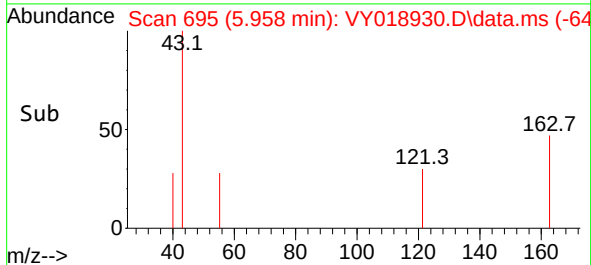
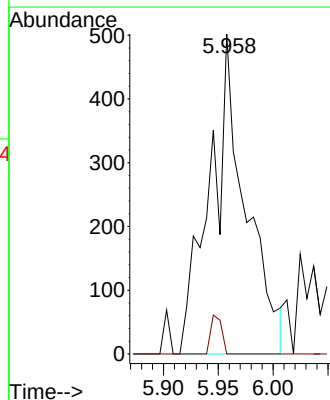
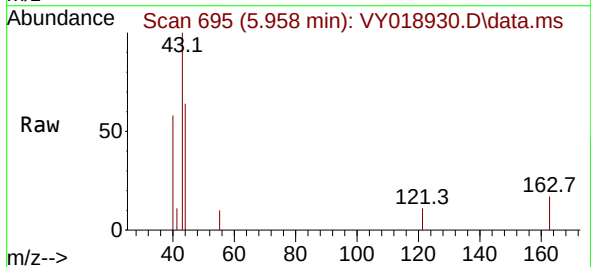
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

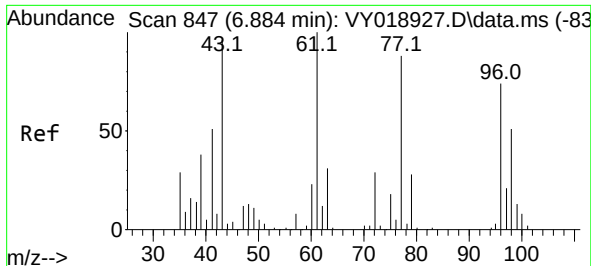
Tgt Ion: 84 Resp: 5854
Ion Ratio Lower Upper
84 100
49 98.1 84.4 126.6
51 34.2 26.0 39.0
86 48.9 49.5 74.3#



#23
Vinyl Acetate
Concen: 1.003 ug/l
RT: 5.958 min Scan# 695
Delta R.T. 0.007 min
Lab File: VY018930.D
Acq: 08 Aug 2024 13:59

Tgt Ion: 43 Resp: 1131
Ion Ratio Lower Upper
43 100
86 0.0 10.6 16.0#





#25

2-Butanone

Concen: 4.971 ug/l

RT: 6.872 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY018930.D

Acq: 08 Aug 2024 13:59

Instrument :

MSVOA_Y

ClientSampleId :

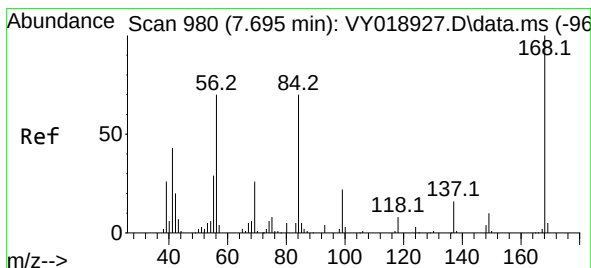
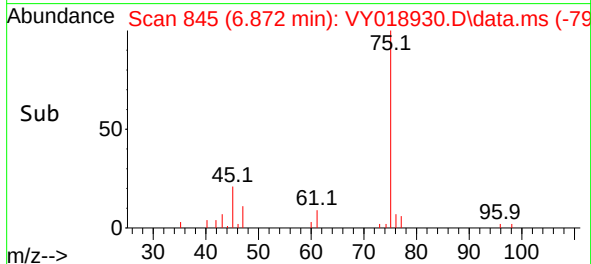
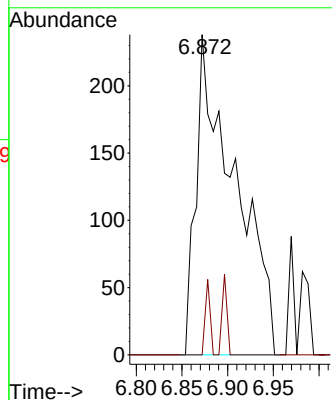
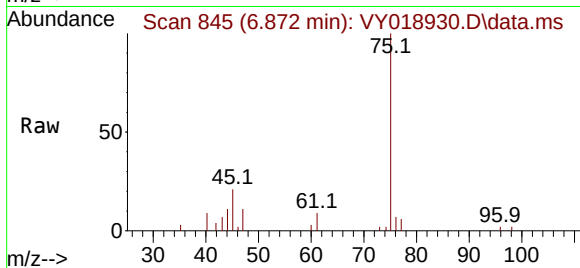
VIBLK

Tgt Ion: 43 Resp: 699

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: Below Cal

RT: 7.695 min Scan# 980

Delta R.T. 0.000 min

Lab File: VY018930.D

Acq: 08 Aug 2024 13:59

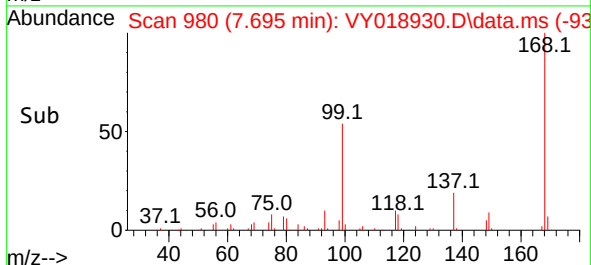
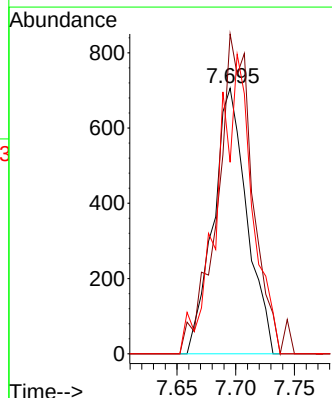
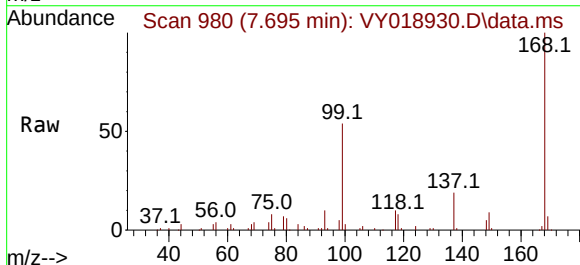
Tgt Ion: 56 Resp: 1402

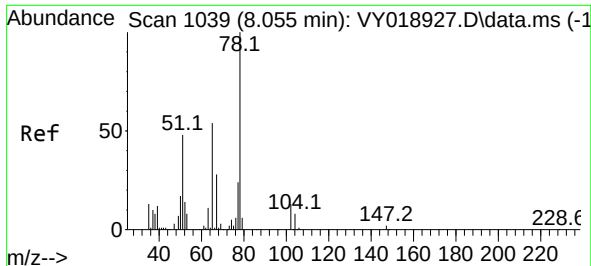
Ion Ratio Lower Upper

56 100

69 120.4 28.7 43.1#

84 72.1 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 49.112 ug/l

RT: 8.055 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VY018930.D

Acq: 08 Aug 2024 13:59

Instrument :

MSVOA_Y

ClientSampleId :

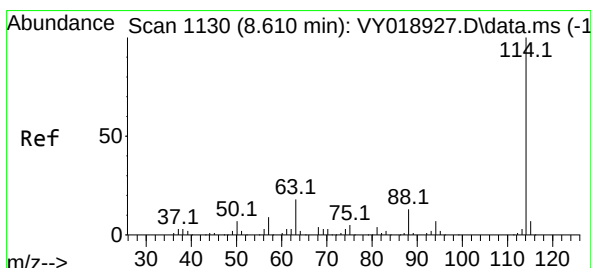
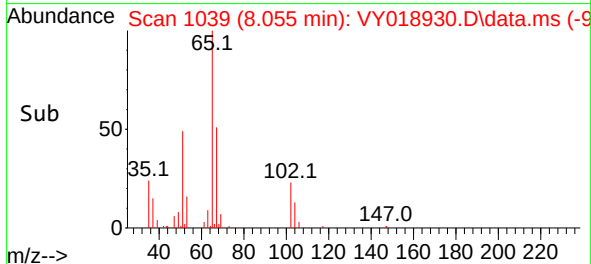
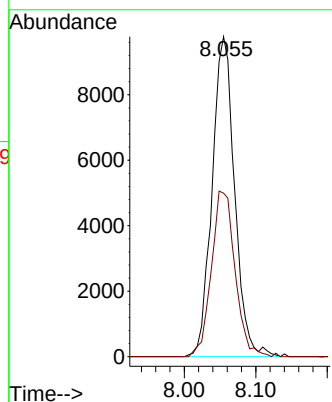
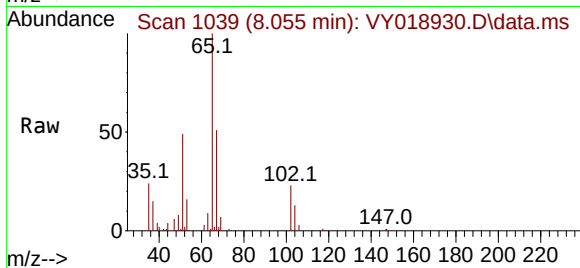
VIBLK

Tgt Ion: 65 Resp: 21331

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.001 min

Lab File: VY018930.D

Acq: 08 Aug 2024 13:59

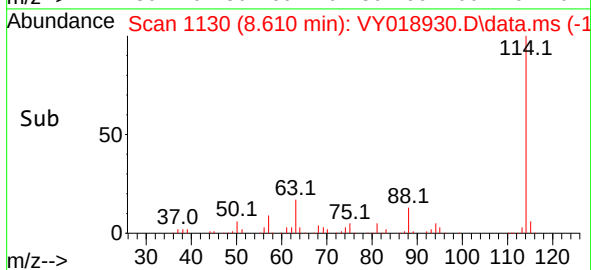
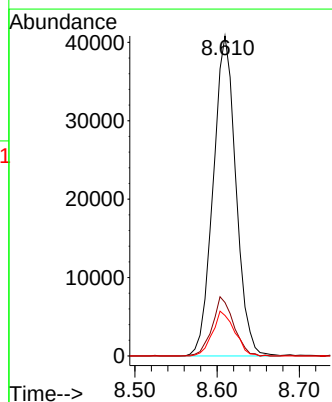
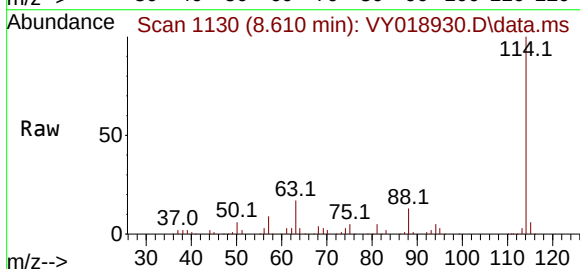
Tgt Ion: 114 Resp: 78490

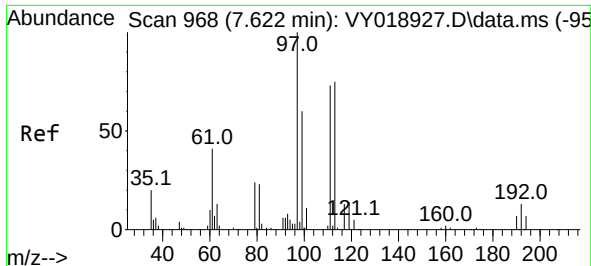
Ion Ratio Lower Upper

114 100

63 16.7 0.0 35.0

88 12.7 0.0 27.2

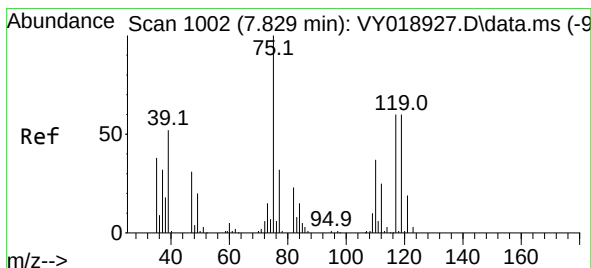
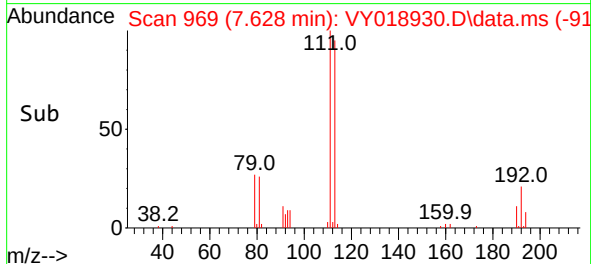
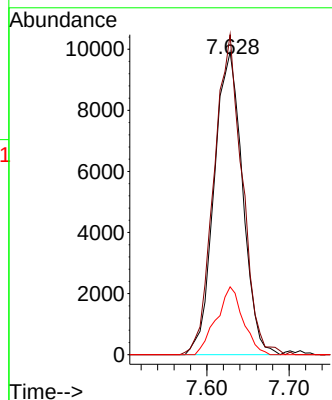
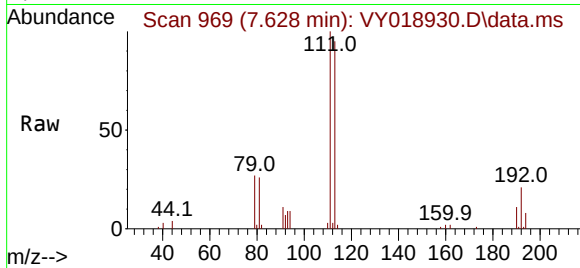




#35
Dibromofluoromethane
Concen: 47.542 ug/l
RT: 7.628 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY018930.D
Acq: 08 Aug 2024 13:59

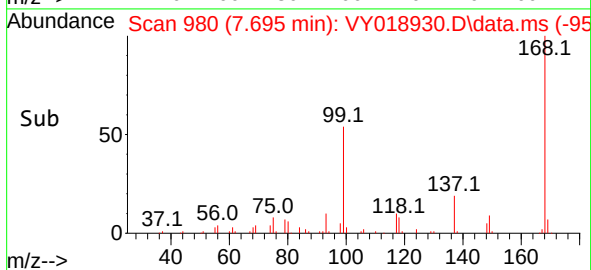
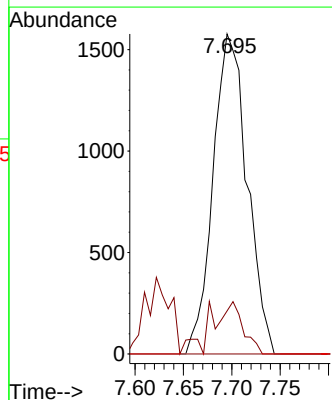
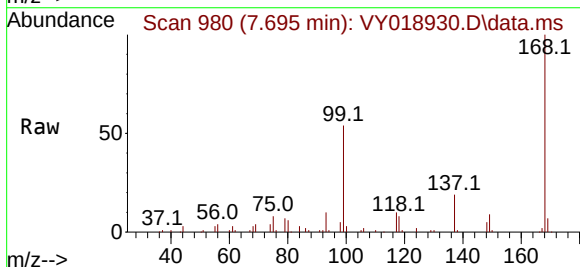
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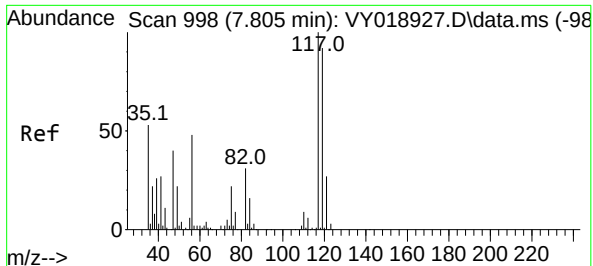
Tgt Ion:113 Resp: 23833
Ion Ratio Lower Upper
113 100
111 105.0 82.2 123.4
192 21.0 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.733 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY018930.D
Acq: 08 Aug 2024 13:59

Tgt Ion: 75 Resp: 3858
Ion Ratio Lower Upper
75 100
110 15.0 19.0 57.0#
77 0.0 25.3 37.9#

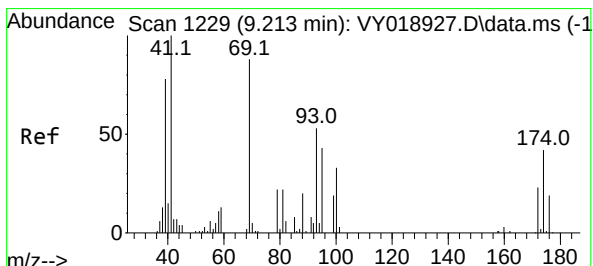
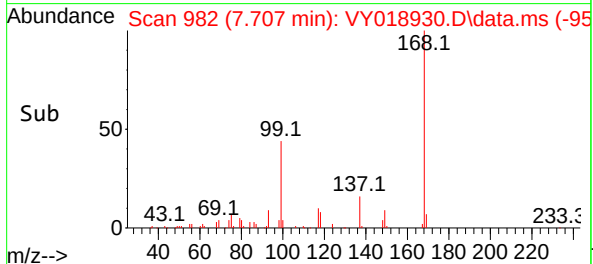
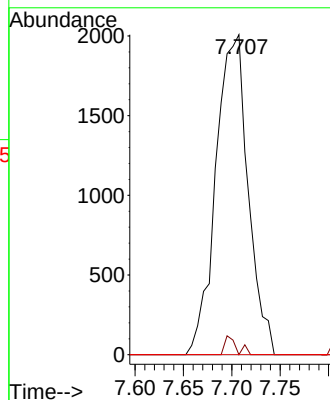
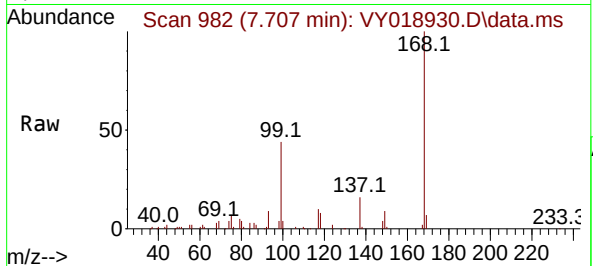




#38
Carbon Tetrachloride
Concen: 6.041 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY018930.D
Acq: 08 Aug 2024 13:59

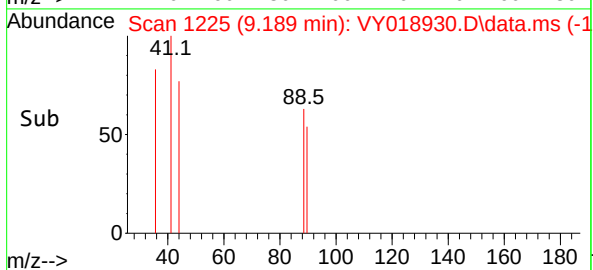
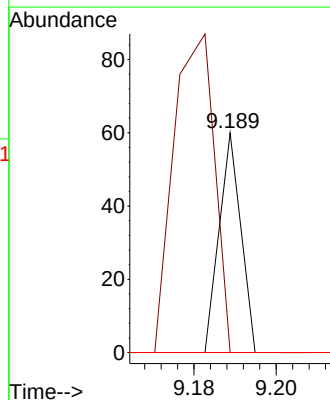
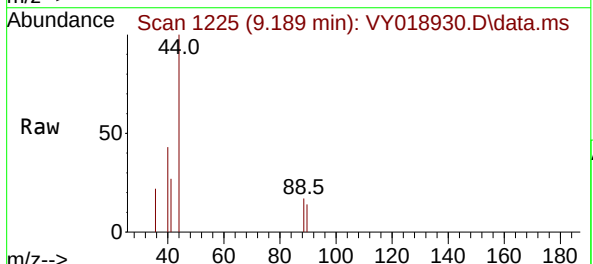
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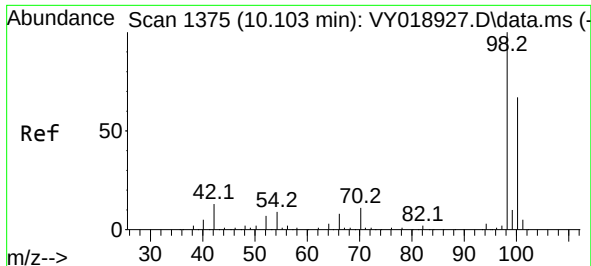
Tgt Ion:117 Resp: 4661
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 6.437 ug/l
RT: 9.189 min Scan# 1225
Delta R.T. -0.030 min
Lab File: VY018930.D
Acq: 08 Aug 2024 13:59

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 272.7 0.0 0.0#
58 0.0 49.3 73.9#

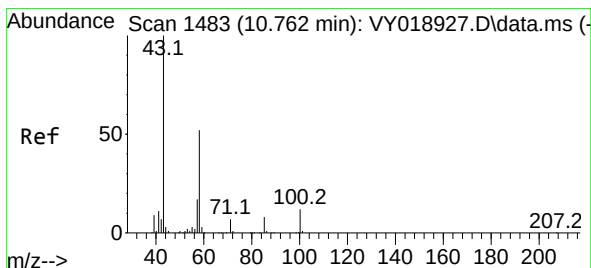
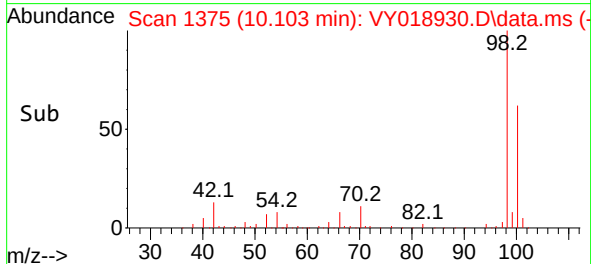
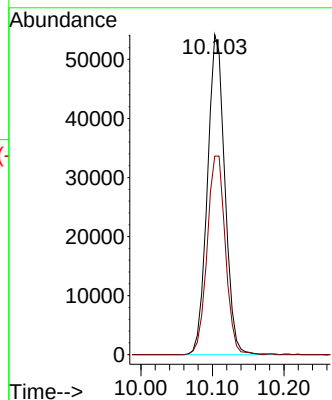
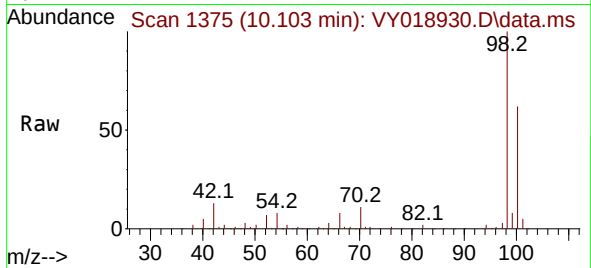




#50
Toluene-d8
Concen: 47.537 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018930.D
Acq: 08 Aug 2024 13:59

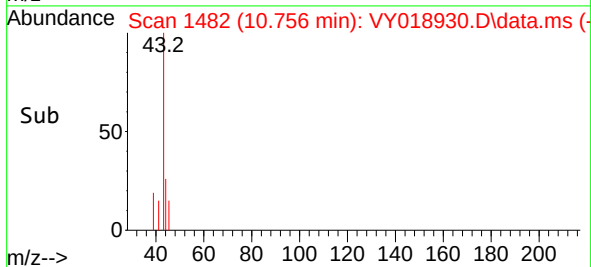
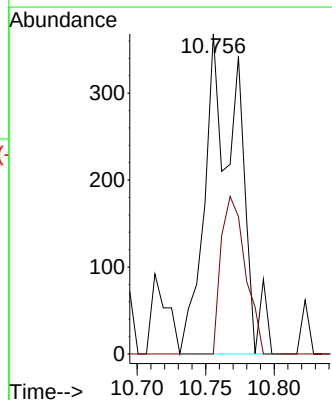
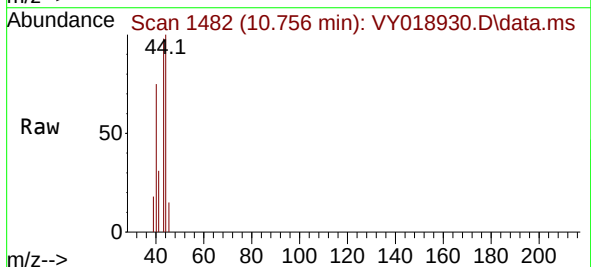
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

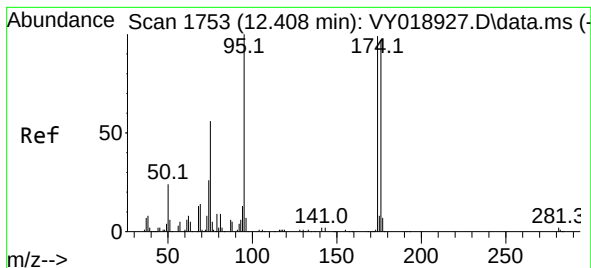
Tgt Ion: 98 Resp: 91535
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0



#59
2-Hexanone
Concen: 2.658 ug/l
RT: 10.756 min Scan# 1482
Delta R.T. -0.005 min
Lab File: VY018930.D
Acq: 08 Aug 2024 13:59

Tgt Ion: 43 Resp: 615
Ion Ratio Lower Upper
43 100
58 36.4 31.4 94.0

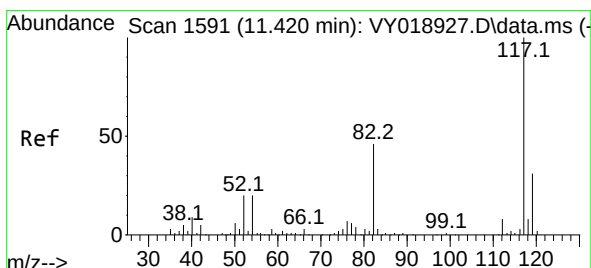
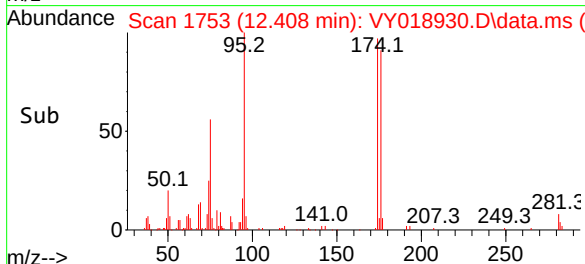
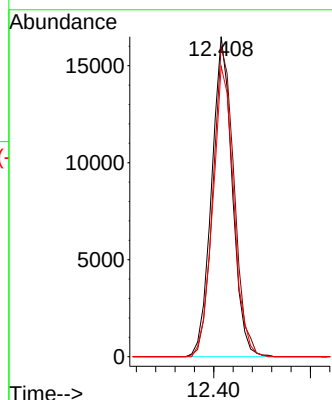
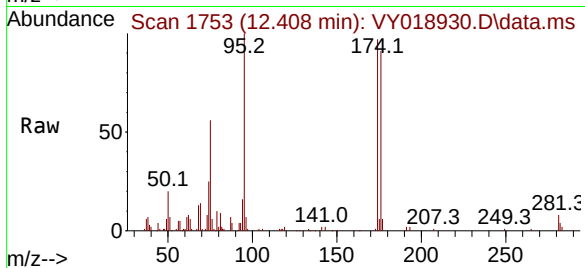




#62
4-Bromofluorobenzene
Concen: 42.612 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY018930.D
Acq: 08 Aug 2024 13:59

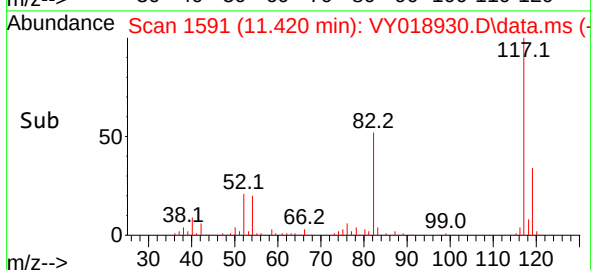
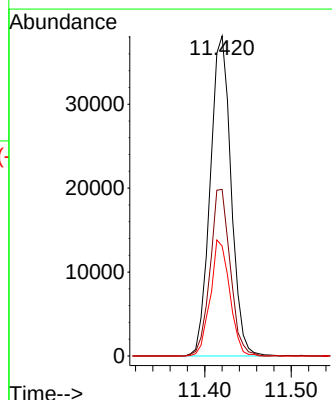
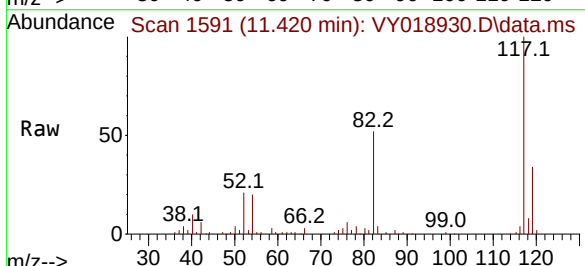
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

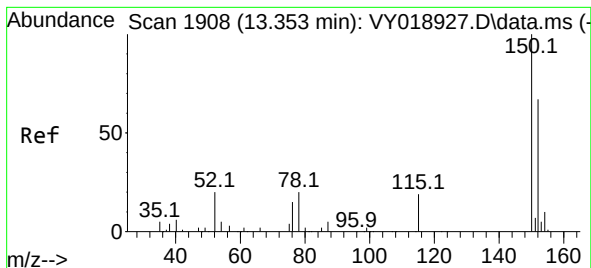
Tgt Ion:	95	Resp:	24343
Ion Ratio	Lower	Upper	
95	100		
174	100.0	0.0	175.6
176	92.1	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY018930.D
Acq: 08 Aug 2024 13:59

Tgt Ion:	117	Resp:	63748
Ion Ratio	Lower	Upper	
117	100		
82	52.1	42.4	63.6
119	34.3	25.9	38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1908

Delta R.T. -0.005 min

Lab File: VY018930.D

Acq: 08 Aug 2024 13:59

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

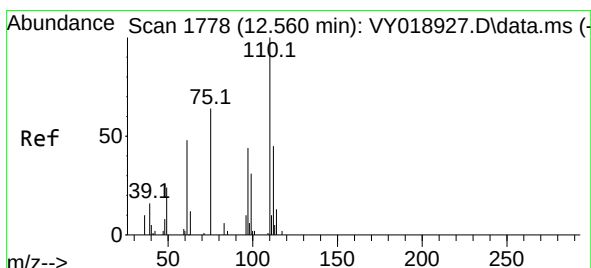
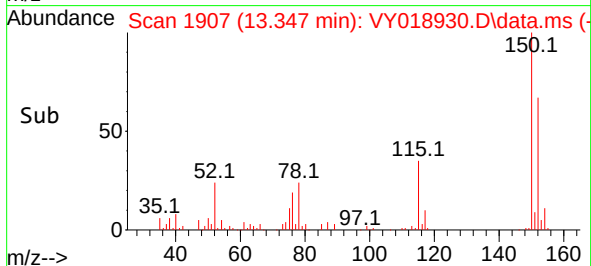
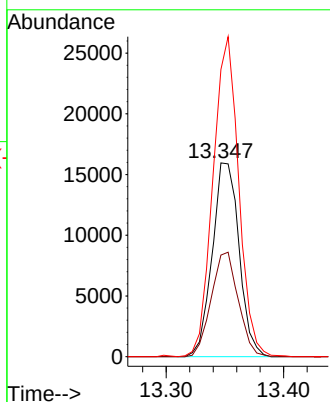
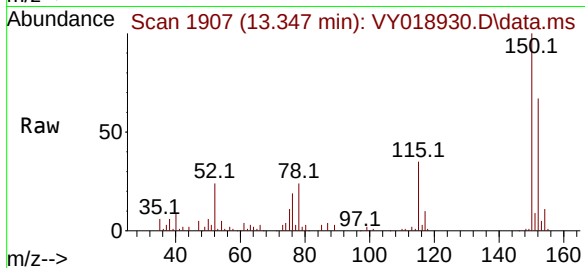
Tgt Ion:152 Resp: 25296

Ion Ratio Lower Upper

152 100

115 54.4 28.2 84.7

150 158.5 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 42.101 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.134 min

Lab File: VY018930.D

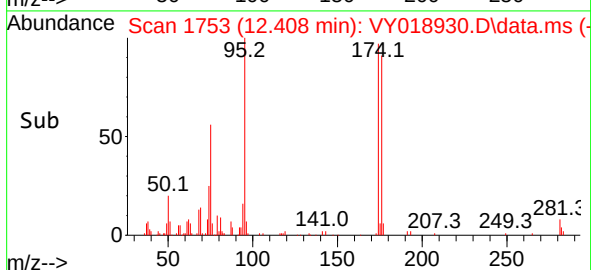
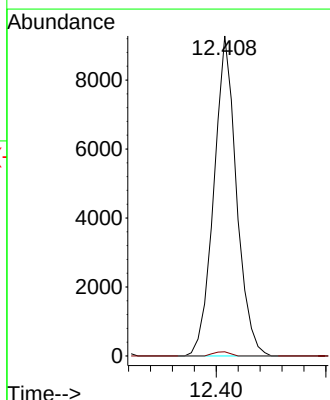
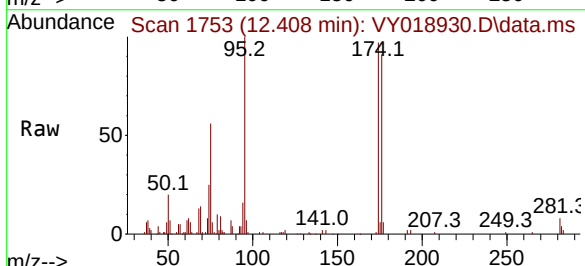
Acq: 08 Aug 2024 13:59

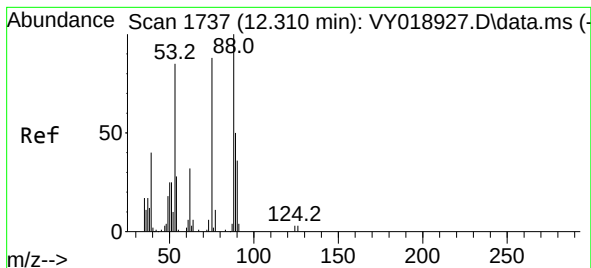
Tgt Ion: 75 Resp: 13311

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#

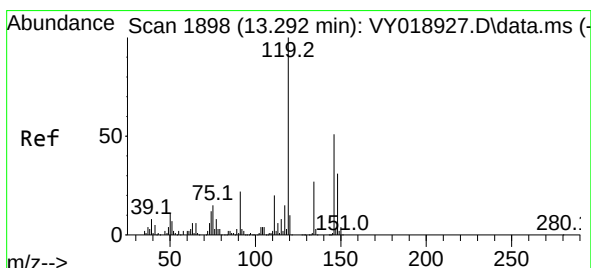
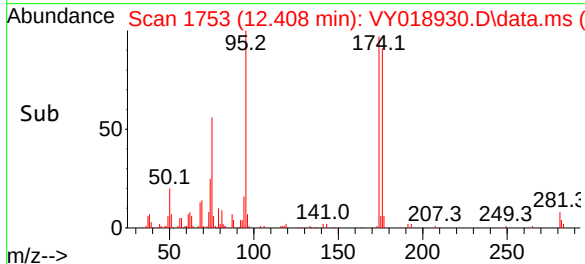
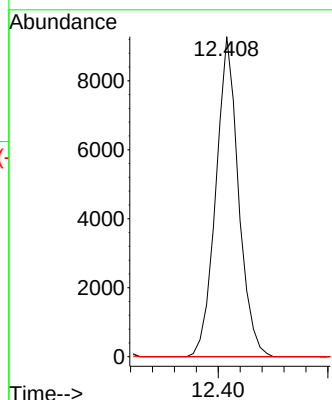
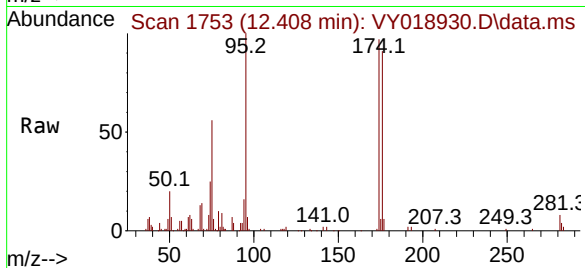




#81
 trans-1,4-Dichloro-2-butene
 Concen: 145.547 ug/l
 RT: 12.408 min Scan# 1737
 Delta R.T. 0.104 min
 Lab File: VY018930.D
 Acq: 08 Aug 2024 13:59

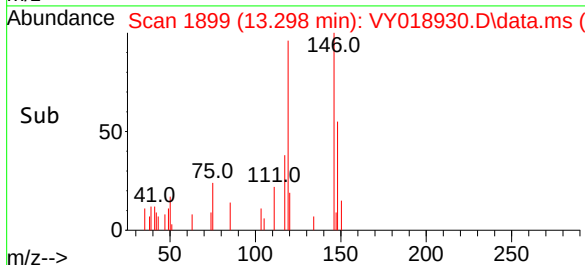
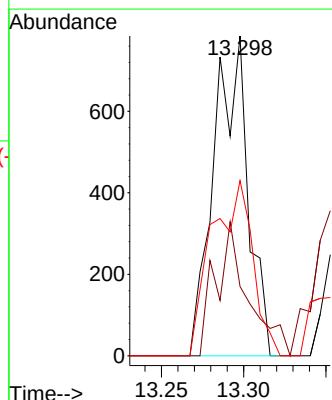
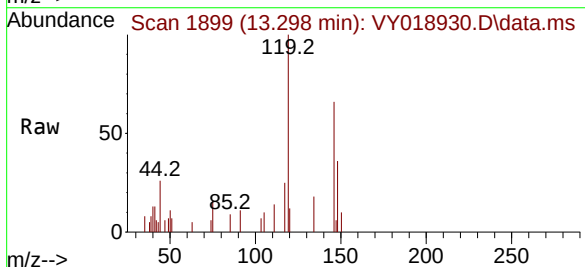
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

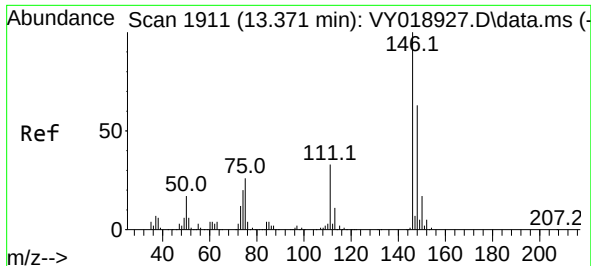
Tgt Ion: 75 Resp: 13311
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 35.8 53.6#



#87
 1,3-Dichlorobenzene
 Concen: 1.292 ug/l
 RT: 13.298 min Scan# 1899
 Delta R.T. 0.007 min
 Lab File: VY018930.D
 Acq: 08 Aug 2024 13:59

Tgt Ion:146 Resp: 1129
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.0 57.0
 148 65.5 31.7 95.1

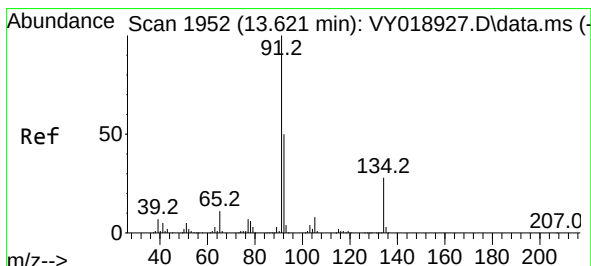
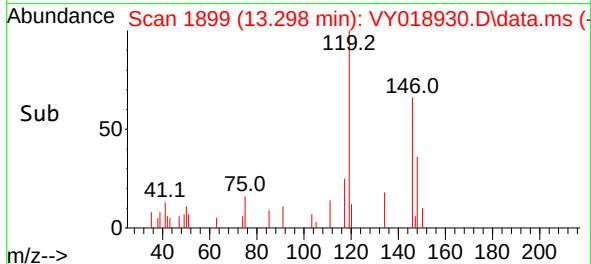
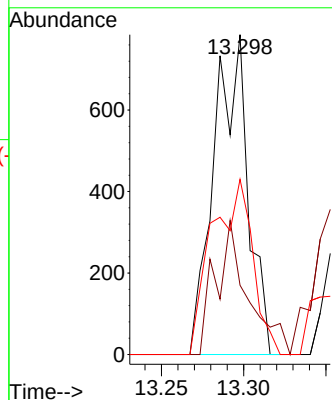
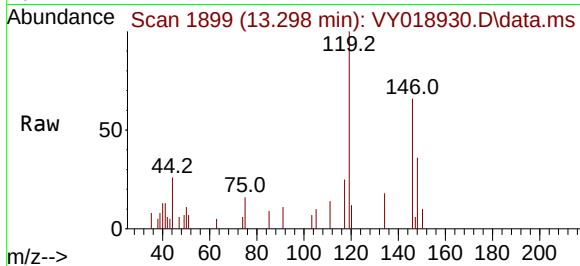




#88
1,4-Dichlorobenzene
Concen: 1.325 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. -0.073 min
Lab File: VY018930.D
Acq: 08 Aug 2024 13:59

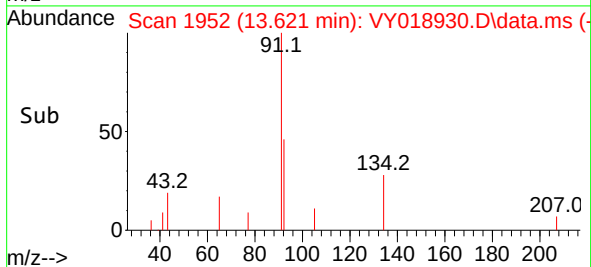
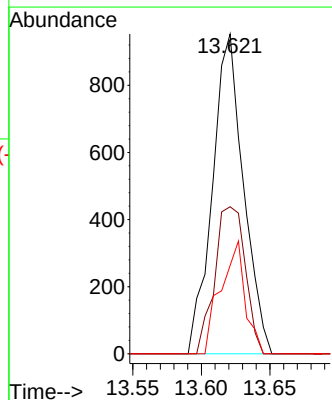
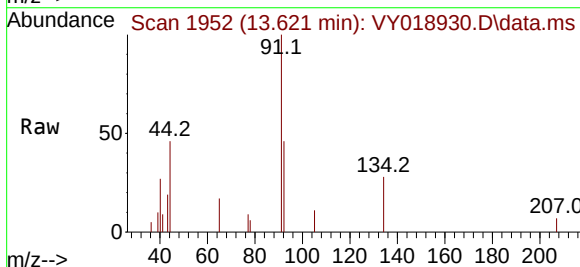
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

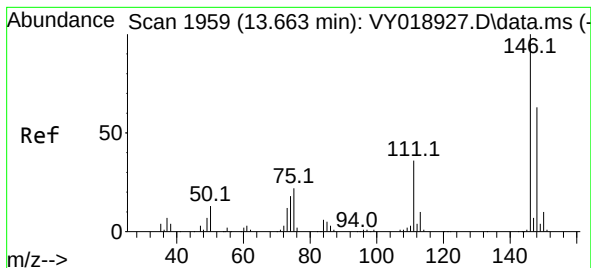
Tgt Ion:146 Resp: 1129
Ion Ratio Lower Upper
146 100
111 39.9 18.4 55.4
148 65.5 32.4 97.2



#89
n-Butylbenzene
Concen: 1.002 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VY018930.D
Acq: 08 Aug 2024 13:59

Tgt Ion: 91 Resp: 1500
Ion Ratio Lower Upper
91 100
92 45.3 26.6 79.7
134 27.8 12.9 38.7





#91

1,2-Dichlorobenzene

Concen: 1.501 ug/l

RT: 13.664 min Scan# 1959

Delta R.T. 0.001 min

Lab File: VY018930.D

Acq: 08 Aug 2024 13:59

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

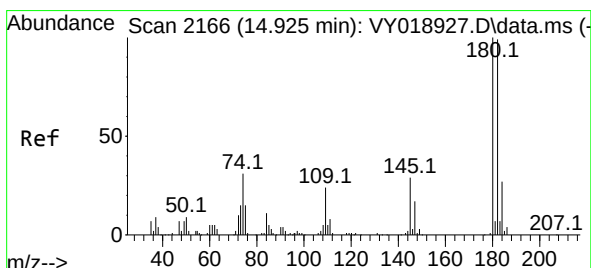
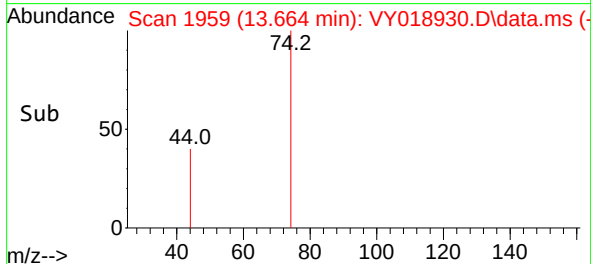
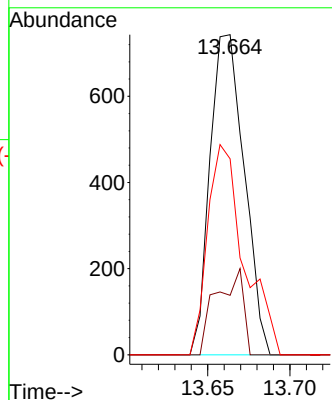
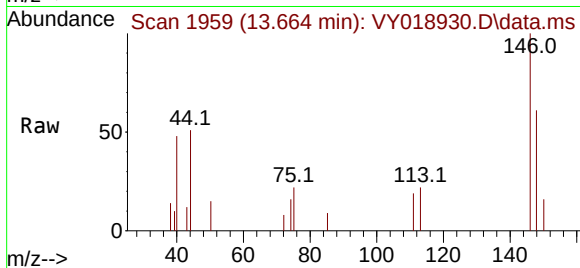
Tgt Ion:146 Resp: 1078

Ion Ratio Lower Upper

146 100

111 21.2 19.9 59.7

148 69.7 31.8 95.4



#93

1,2,4-Trichlorobenzene

Concen: 3.734 ug/l

RT: 14.926 min Scan# 2166

Delta R.T. 0.001 min

Lab File: VY018930.D

Acq: 08 Aug 2024 13:59

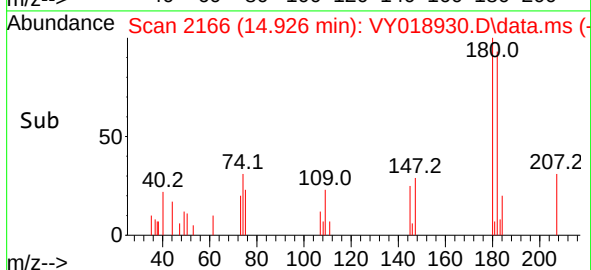
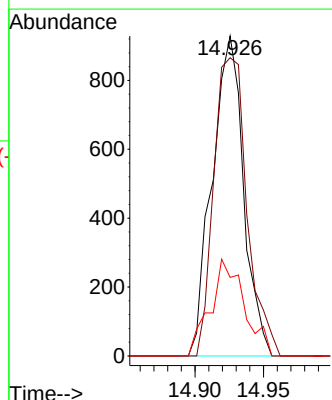
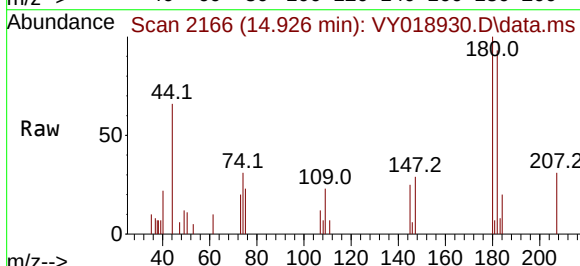
Tgt Ion:180 Resp: 1477

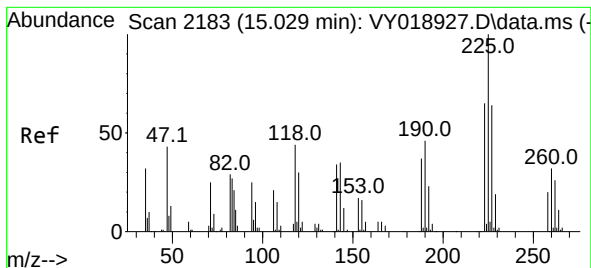
Ion Ratio Lower Upper

180 100

182 98.8 47.9 143.8

145 32.9 14.2 42.6





#94

Hexachlorobutadiene

Concen: 1.922 ug/l

RT: 15.017 min Scan# 2183

Delta R.T. -0.012 min

Lab File: VY018930.D

Acq: 08 Aug 2024 13:59

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

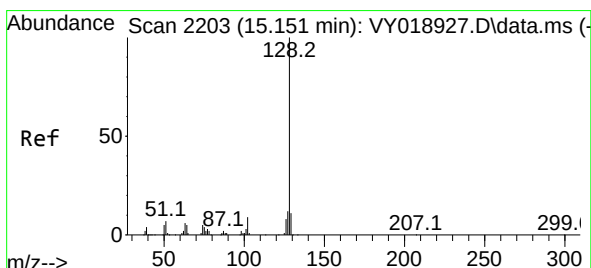
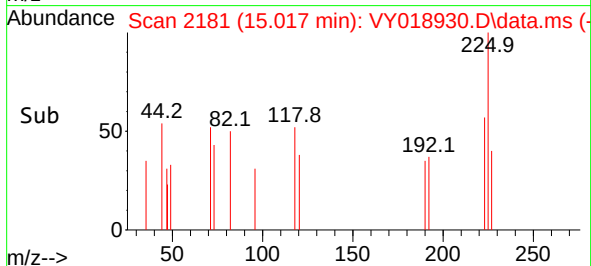
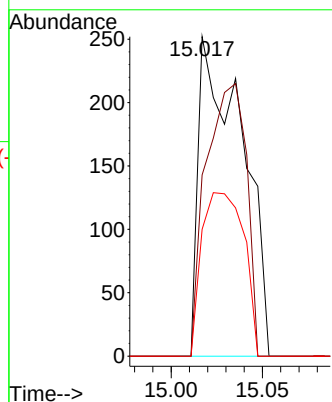
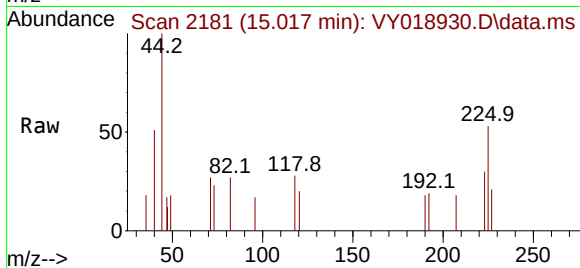
Tgt Ion:225 Resp: 417

Ion Ratio Lower Upper

225 100

223 78.7 30.4 91.2

227 49.4 31.9 95.9



#95

Naphthalene

Concen: 4.638 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. -0.006 min

Lab File: VY018930.D

Acq: 08 Aug 2024 13:59

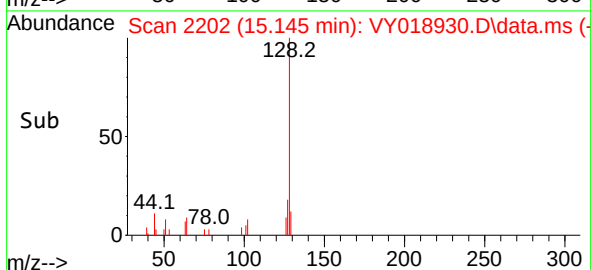
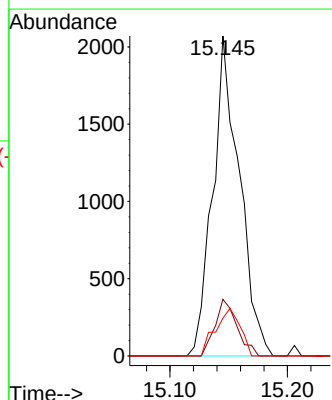
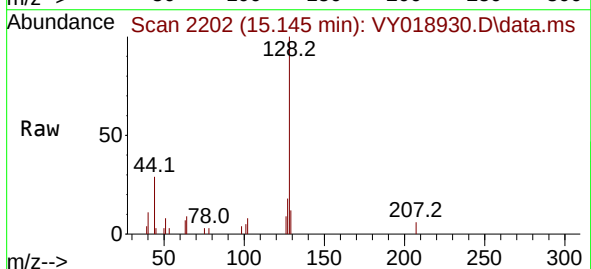
Tgt Ion:128 Resp: 3266

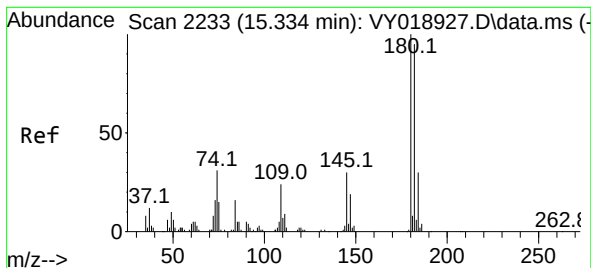
Ion Ratio Lower Upper

128 100

127 14.6 10.6 16.0

129 13.7 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 4.276 ug/l

RT: 15.334 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY018930.D

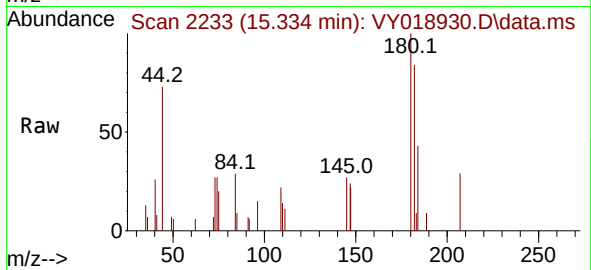
Acq: 08 Aug 2024 13:59

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK



Tgt Ion:	180	Resp:	1452
Ion	Ratio	Lower	Upper
180	100		
182	103.0	47.6	142.9
145	33.1	15.4	46.1

