

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060324\
 Data File : VY018435.D
 Acq On : 03 Jun 2024 12:34
 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: Jun 04 05:28:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060324S.M
 Quant Title : Sw846 8260
 QLast Update : Tue Jun 04 05:22:03 2024
 Response via : Initial Calibration

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

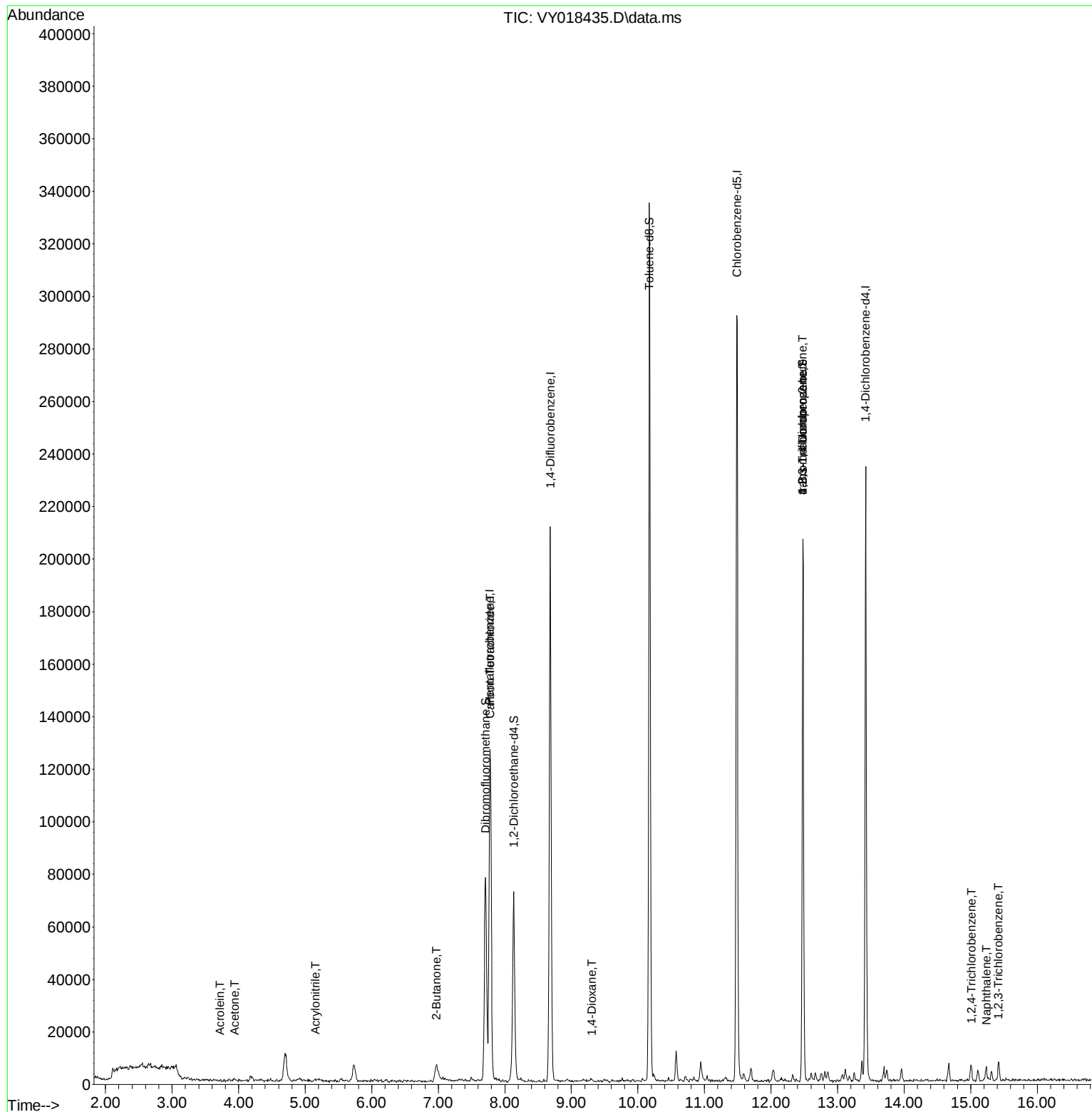
Internal Standards						
1) Pentafluorobenzene	7.777	168	92688	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	183124	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	158367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	56616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	52575	28.883	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	57.760%	
35) Dibromofluoromethane	7.710	113	55526	23.912	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	47.820%#	
50) Toluene-d8	10.173	98	217042	23.494	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	46.980%#	
62) 4-Bromofluorobenzene	12.477	95	61984	21.550	ug/l	0.00
Spiked Amount 50.000	Range 30	- 143	Recovery	=	43.100%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	343	Below Cal	#	65
13) Acrolein	3.723	56	362	1.943	ug/l	90
15) Acrylonitrile	5.155	53	623	1.333	ug/l #	50
16) Acetone	3.942	43	915	2.265	ug/l	92
25) 2-Butanone	6.972	43	922	1.490	ug/l #	66
38) Carbon Tetrachloride	7.783	117	10257	2.891	ug/l #	17
49) 1,4-Dioxane	9.307	88	69	3.777	ug/l #	20
76) 1,2,3-Trichloropropane	12.477	75	32500	46.536	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	32500	97.259	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.013	180	1628	1.414	ug/l #	80
95) Naphthalene	15.239	128	4035	1.745	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.416	180	1816	1.864	ug/l	95

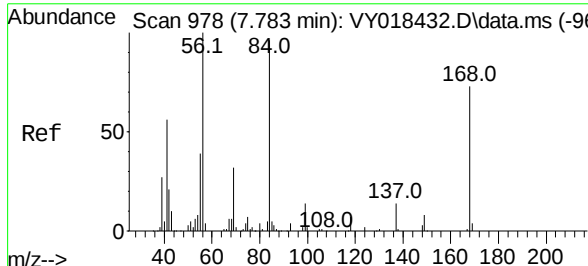
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 04 05:28:32 2024
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QLast Update : Tue Jun 04 05:22:03 2024
Response via : Initial Calibration





Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.777 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY018435.D

Acq: 03 Jun 2024 12:34

Instrument :

MSVOA_Y

ClientSampleId :

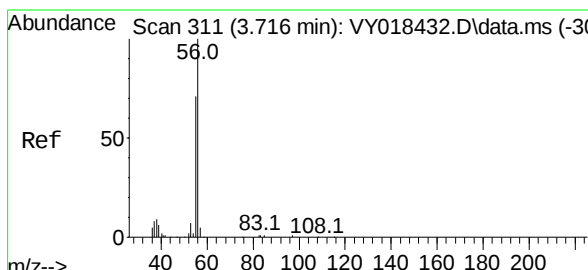
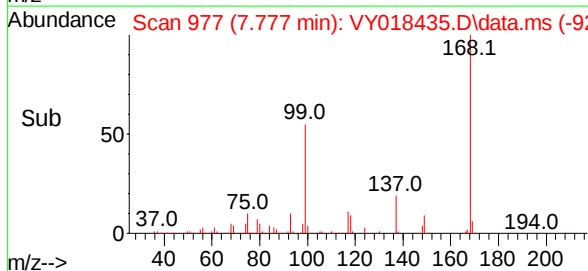
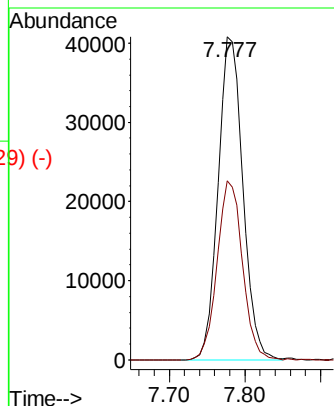
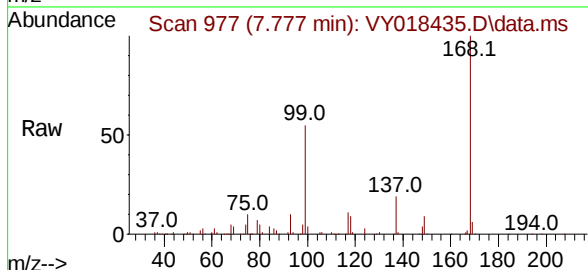
VIBLK

Tgt Ion:168 Resp: 92688

Ion Ratio Lower Upper

168 100

99 55.3 39.1 58.7



Acrolein

Concen: 1.943 ug/l

RT: 3.723 min Scan# 312

Delta R.T. 0.007 min

Lab File: VY018435.D

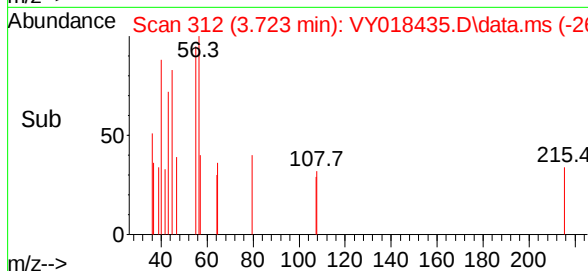
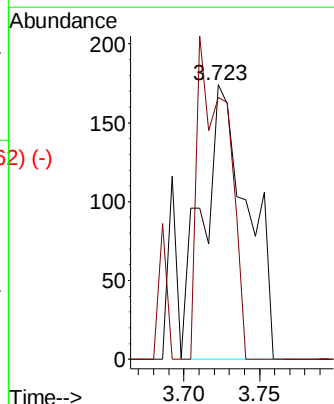
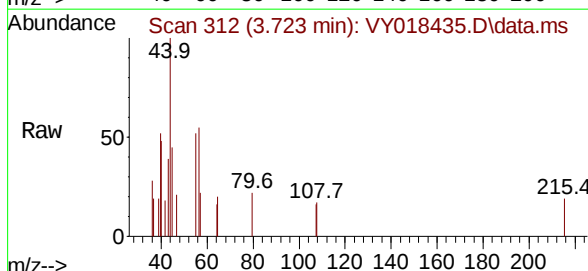
Acq: 03 Jun 2024 12:34

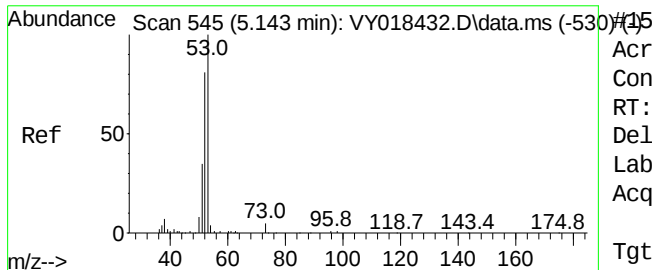
Tgt Ion: 56 Resp: 362

Ion Ratio Lower Upper

56 100

55 77.6 55.7 83.5





Acrylonitrile

Concen: 1.333 ug/l

RT: 5.155 min Scan# 415

Delta R.T. 0.012 min

Lab File: VY018435.D

Acq: 03 Jun 2024 12:34

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

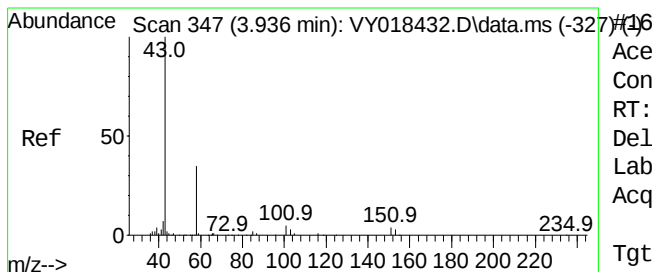
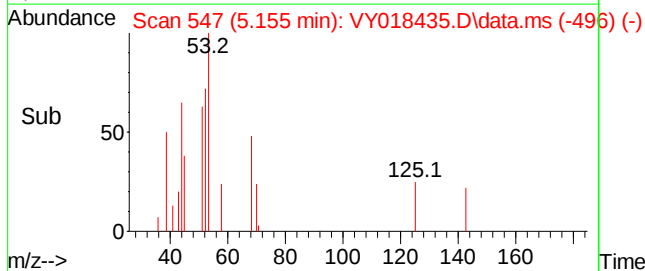
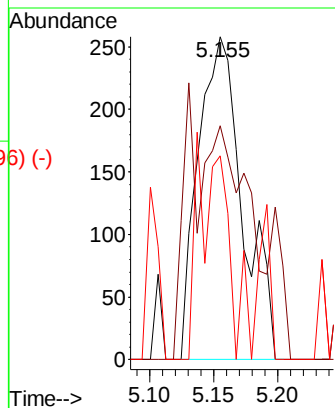
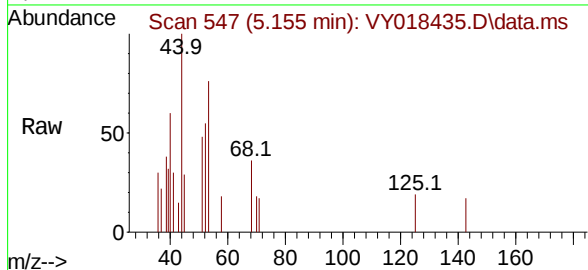
Tgt Ion: 53 Resp: 623

Ion Ratio Lower Upper

53 100

52 40.8 64.7 97.1#

51 0.0 28.4 42.6#



Acetone

Concen: 2.265 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY018435.D

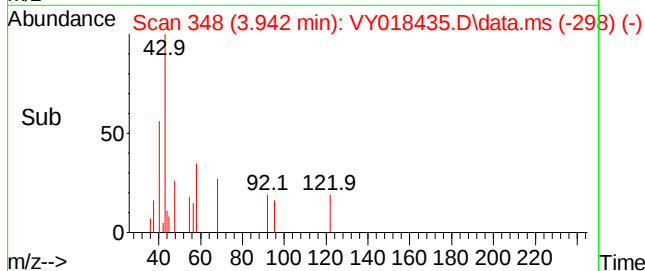
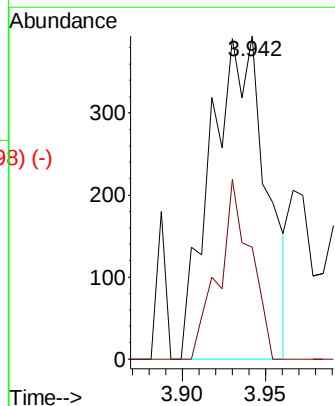
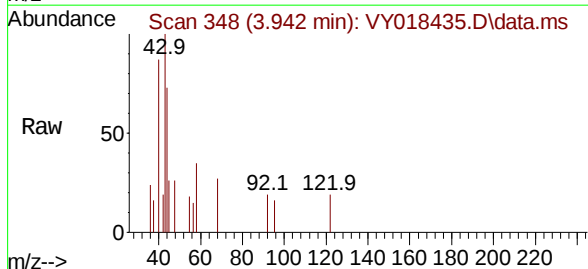
Acq: 03 Jun 2024 12:34

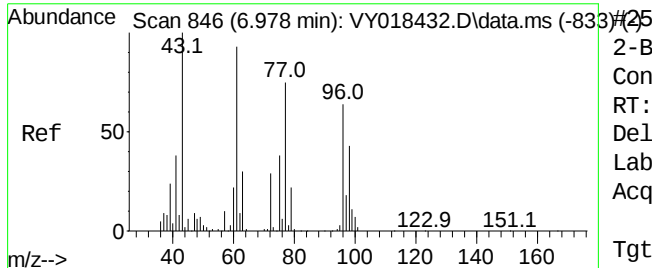
Tgt Ion: 43 Resp: 915

Ion Ratio Lower Upper

43 100

58 34.5 31.7 47.5





2-Butanone

Concen: 1.490 ug/l

RT: 6.972 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY018435.D

Acq: 03 Jun 2024 12:34

Instrument :

MSVOA_Y

ClientSampleId :

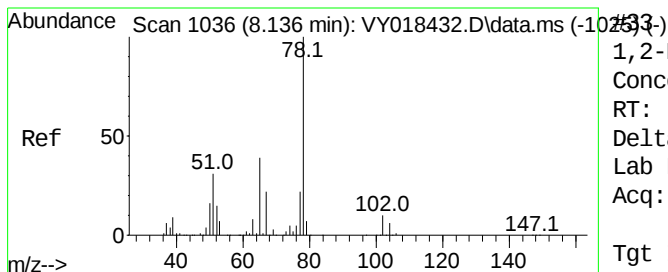
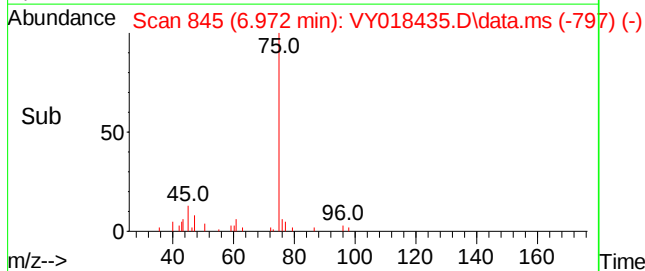
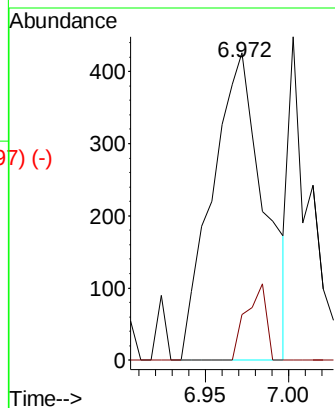
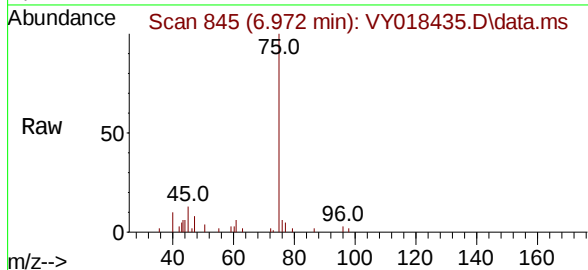
VIBLK

Tgt Ion: 43 Resp: 922

Ion Ratio Lower Upper

43 100

72 14.8 27.3 40.9#



1,2-Dichloroethane-d4

Concen: 28.883 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY018435.D

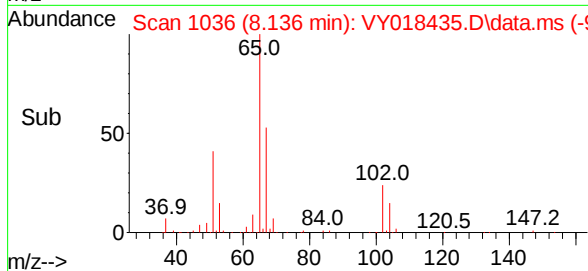
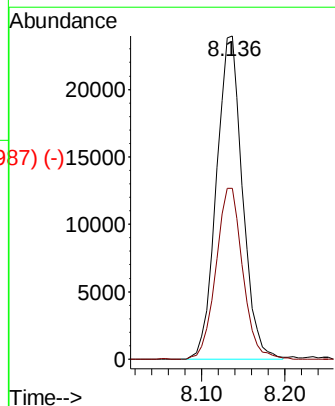
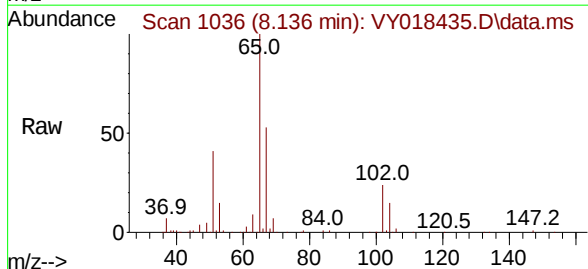
Acq: 03 Jun 2024 12:34

Tgt Ion: 65 Resp: 52575

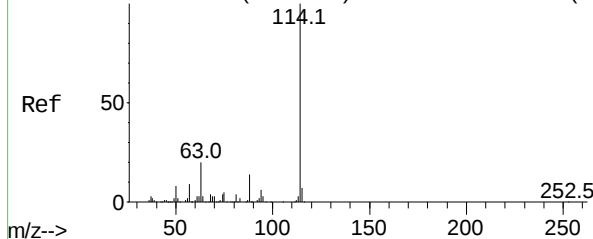
Ion Ratio Lower Upper

65 100

67 54.3 0.0 109.6



Abundance Scan 1126 (8.685 min): VY018432.D\data.ms (-1154)



1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY018435.D

Acq: 03 Jun 2024 12:34

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

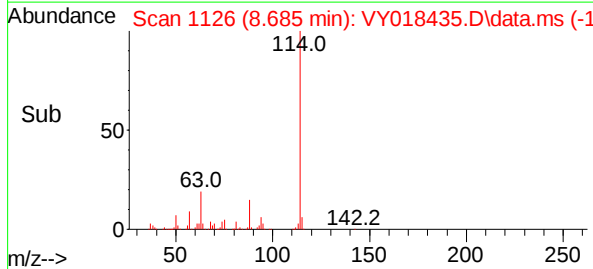
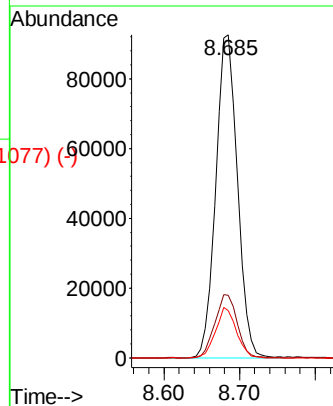
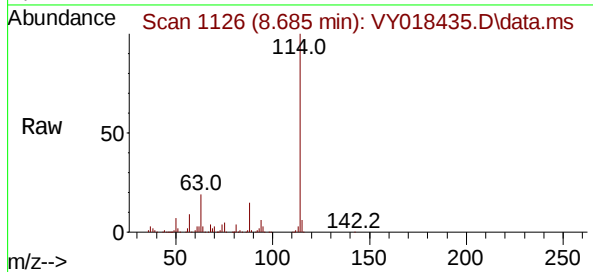
Tgt Ion:114 Resp: 183124

Ion Ratio Lower Upper

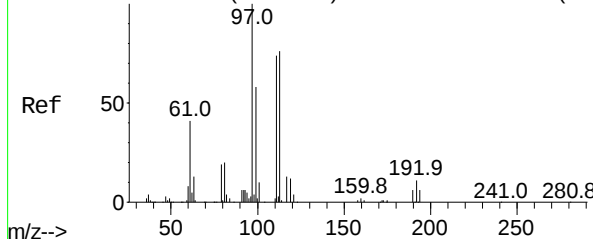
114 100

63 19.4 0.0 35.0

88 14.6 0.0 27.2



Abundance Scan 965 (7.704 min): VY018432.D\data.ms (-954) (-)



Dibromofluoromethane

Concen: 23.912 ug/l

RT: 7.710 min Scan# 966

Delta R.T. 0.006 min

Lab File: VY018435.D

Acq: 03 Jun 2024 12:34

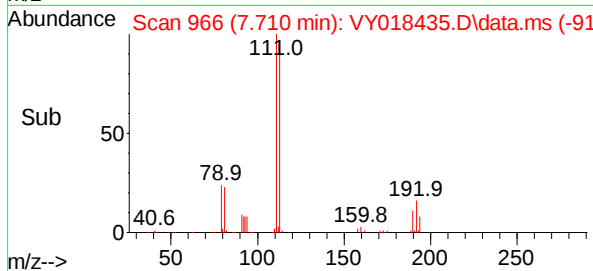
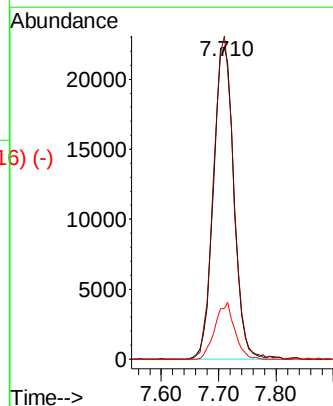
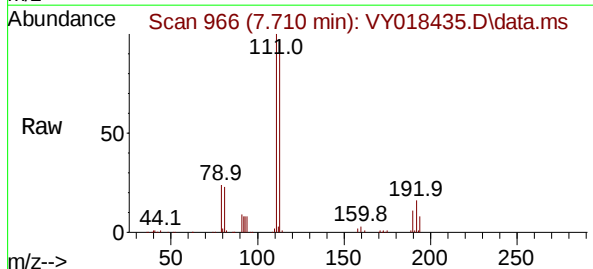
Tgt Ion:113 Resp: 55526

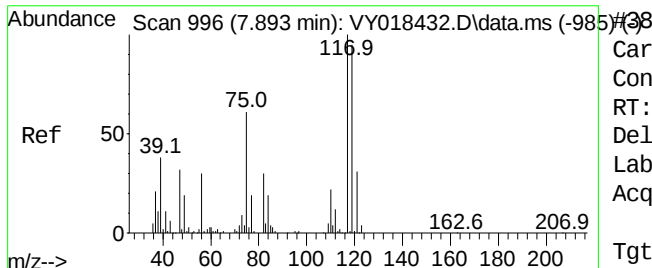
Ion Ratio Lower Upper

113 100

111 100.4 82.2 123.4

192 17.2 15.9 23.9





Carbon Tetrachloride

Concen: 2.891 ug/l

RT: 7.783 min Scan#

Delta R.T. -0.110 min

Lab File: VY018435.D

Acq: 03 Jun 2024 12:34

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

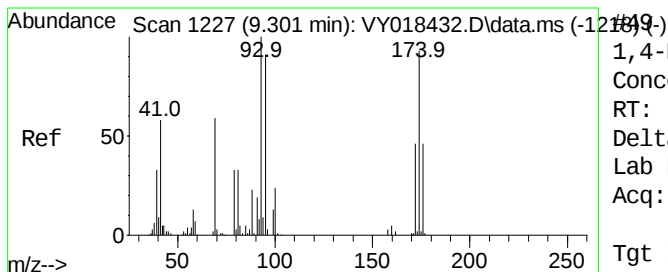
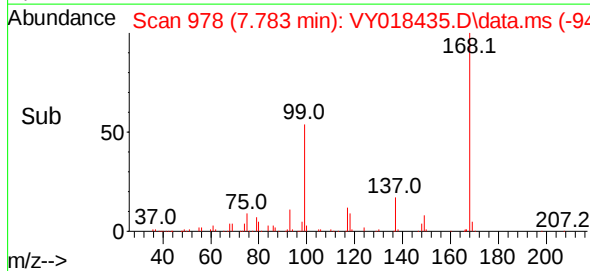
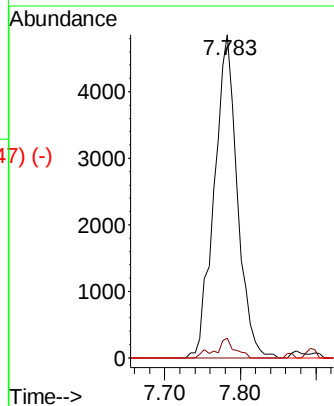
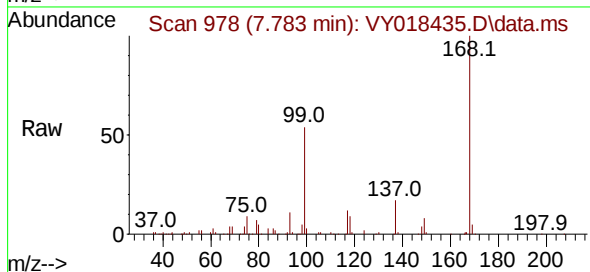
Tgt Ion:117 Resp: 10257

Ion Ratio Lower Upper

117 100

119 6.2 75.8 113.6#

121 0.0 24.0 36.0#



1,4-Dioxane

Concen: 3.777 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. 0.006 min

Lab File: VY018435.D

Acq: 03 Jun 2024 12:34

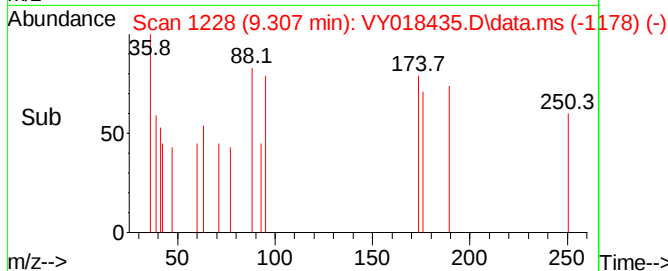
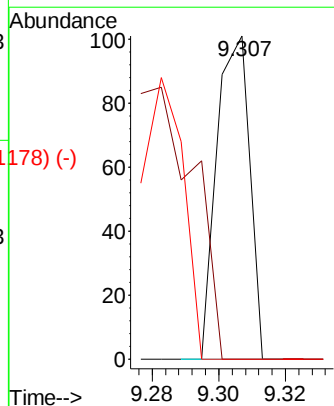
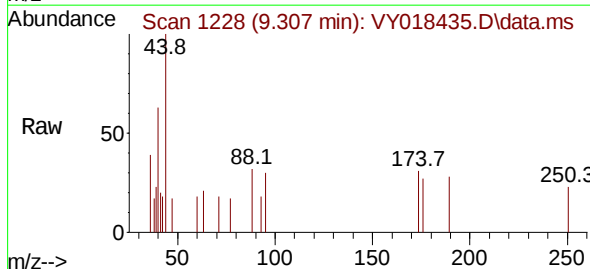
Tgt Ion: 88 Resp: 69

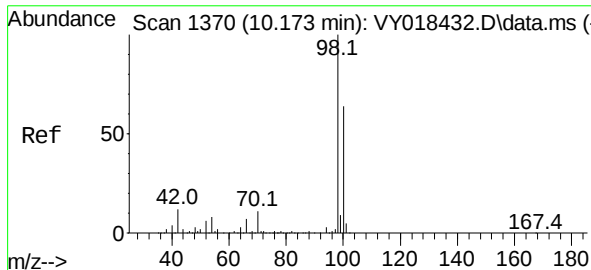
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 49.3 73.9#





Toluene-d8

Concen: 23.494 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. 0.000 min

Lab File: VY018435.D

Acq: 03 Jun 2024 12:34

Instrument :

MSVOA_Y

ClientSampleId :

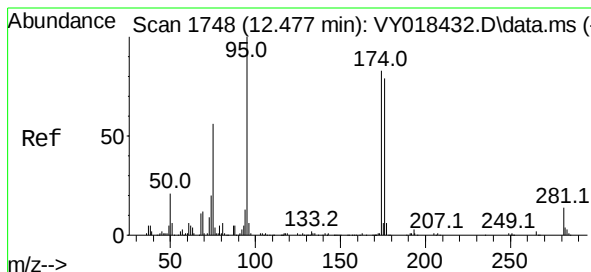
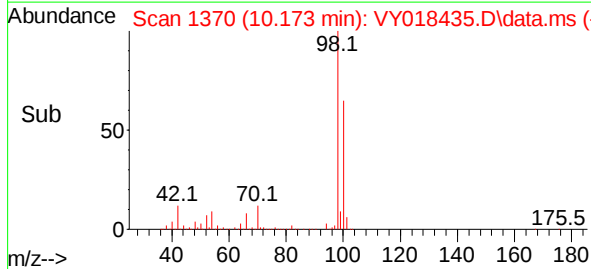
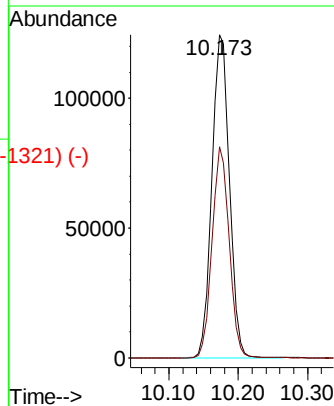
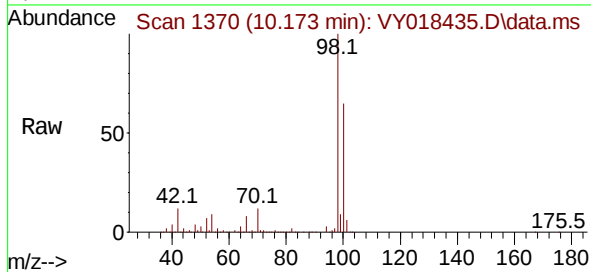
VIBLK

Tgt Ion: 98 Resp: 217042

Ion Ratio Lower Upper

98 100

100 63.7 52.0 78.0



4-Bromofluorobenzene

Concen: 21.550 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY018435.D

Acq: 03 Jun 2024 12:34

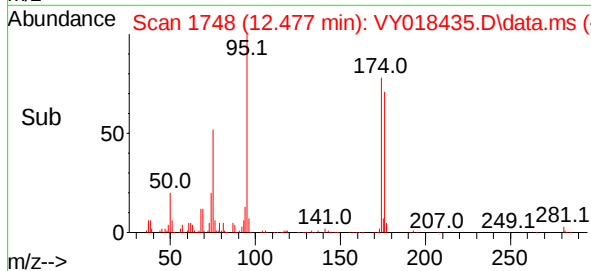
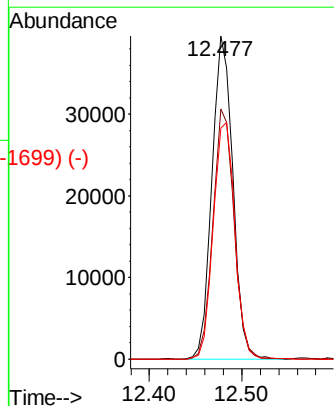
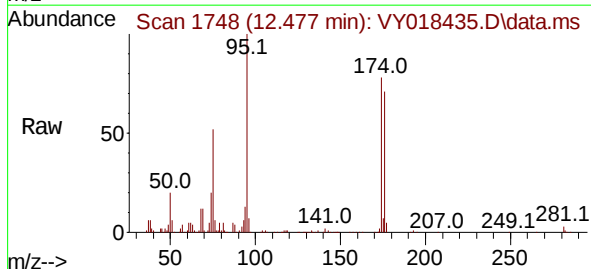
Tgt Ion: 95 Resp: 61984

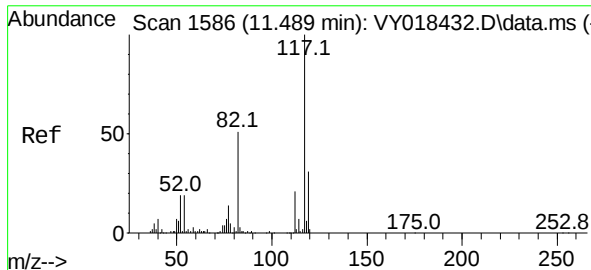
Ion Ratio Lower Upper

95 100

174 78.0 0.0 175.6

176 75.8 0.0 171.4

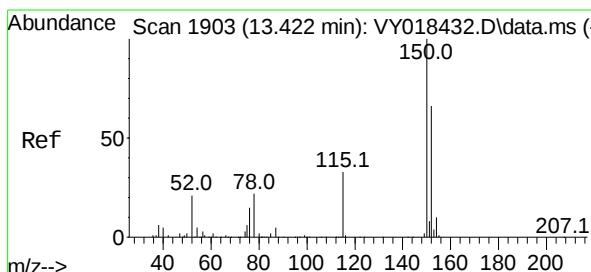
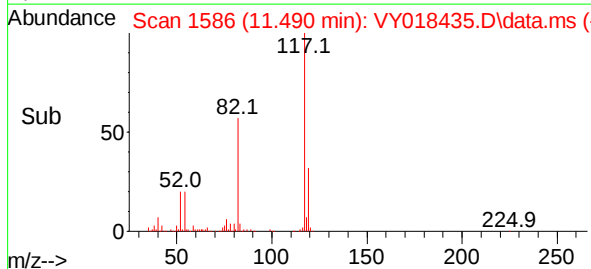
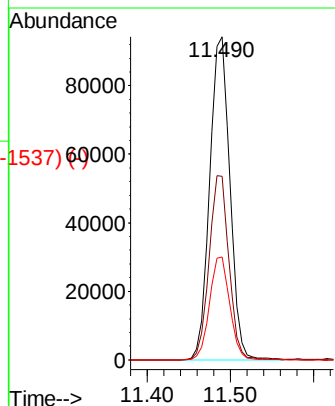
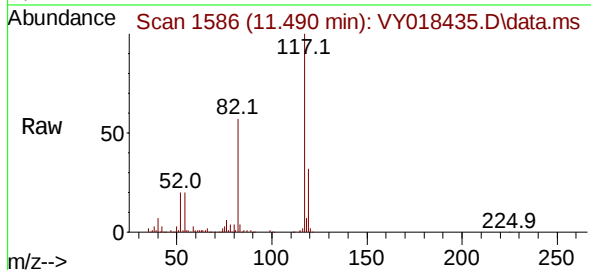




Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY018435.D
Acq: 03 Jun 2024 12:34

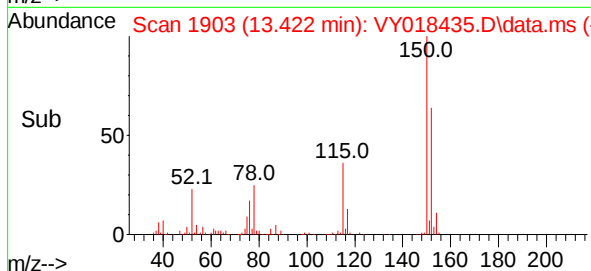
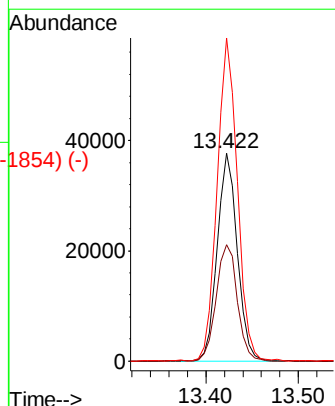
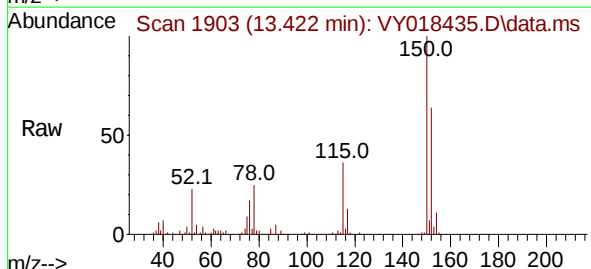
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

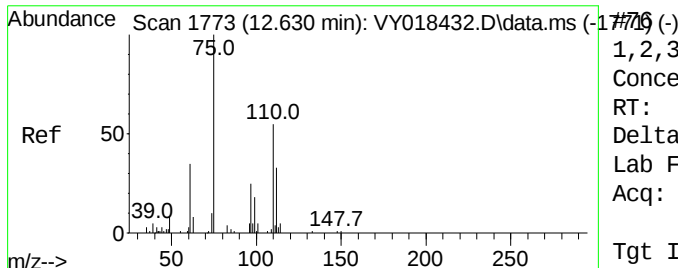
Tgt Ion:	117	Resp:	158367
Ion	Ratio	Lower	Upper
117	100		
82	56.8	42.4	63.6
119	31.9	25.9	38.9



1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY018435.D
Acq: 03 Jun 2024 12:34

Tgt Ion:	152	Resp:	56616
Ion	Ratio	Lower	Upper
152	100		
115	59.0	28.2	84.7
150	156.9	0.0	345.6

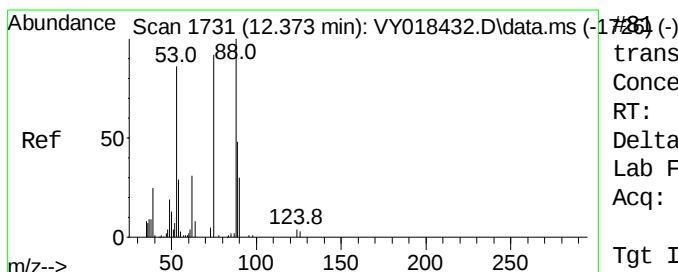
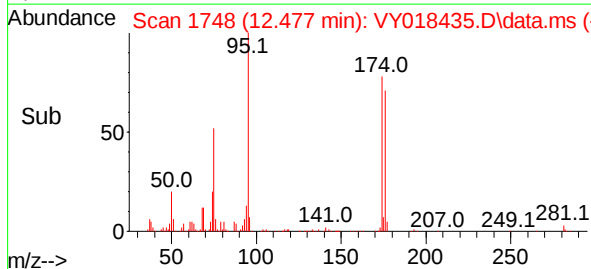
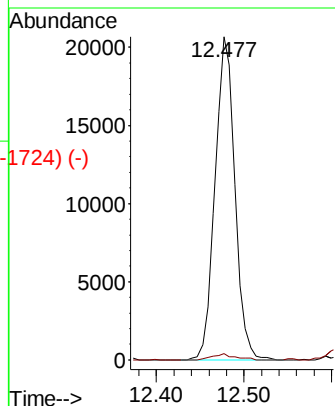
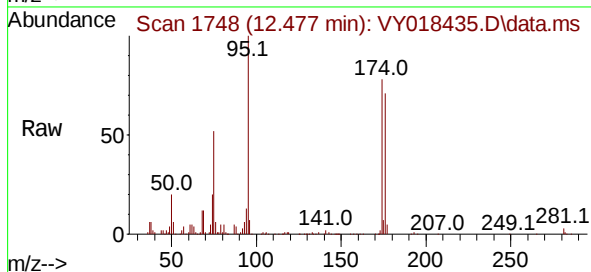




1,2,3-Trichloropropane
Concen: 46.536 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY018435.D
Acq: 03 Jun 2024 12:34

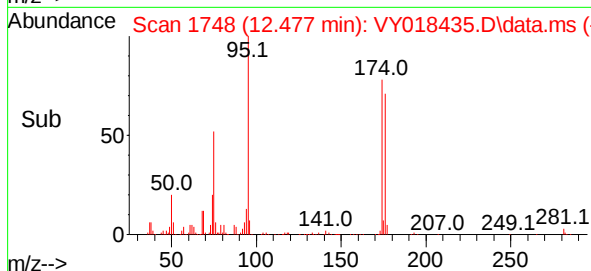
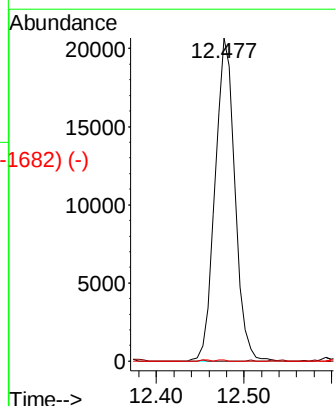
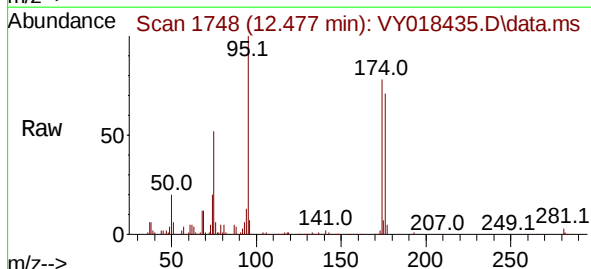
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

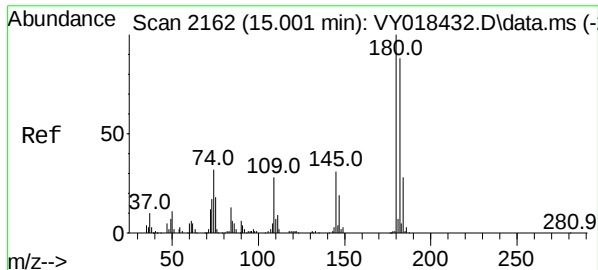
Tgt Ion: 75 Resp: 32500
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



trans-1,4-Dichloro-2-butene
Concen: 97.259 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY018435.D
Acq: 03 Jun 2024 12:34

Tgt Ion: 75 Resp: 32500
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.2 35.8 53.6#

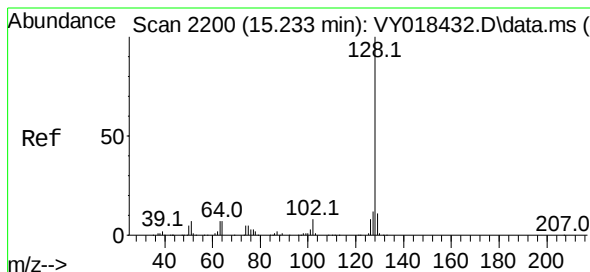
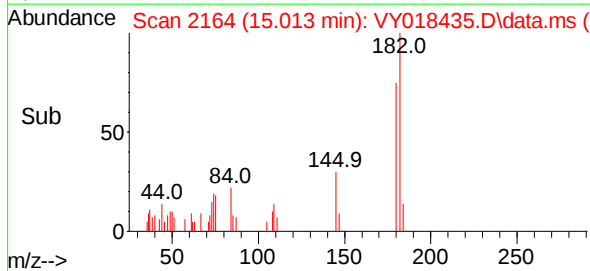
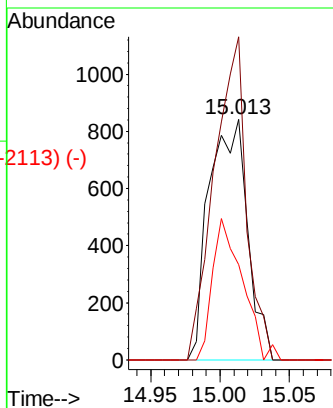
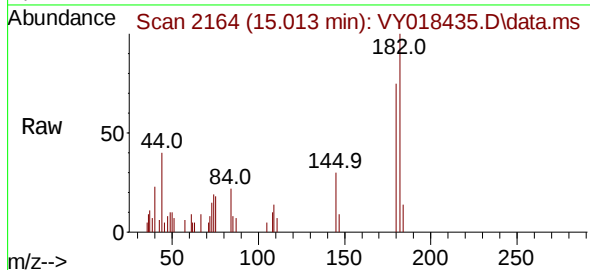




Scan 2162 (15.001 min): VY018432.D\data.ms (-2163) (-)
 1,2,4-Trichlorobenzene
 Concen: 1.414 ug/l
 RT: 15.013 min Scan# 2162
 Delta R.T. 0.012 min
 Lab File: VY018435.D
 Acq: 03 Jun 2024 12:34

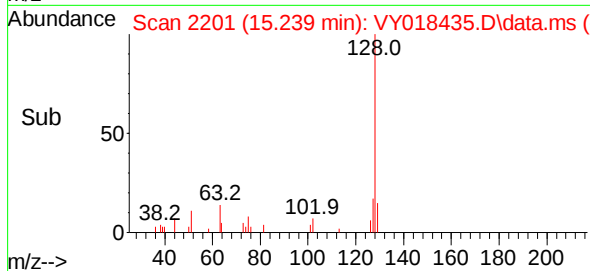
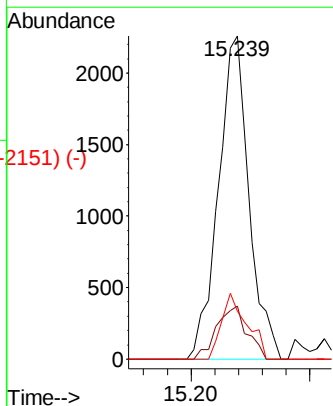
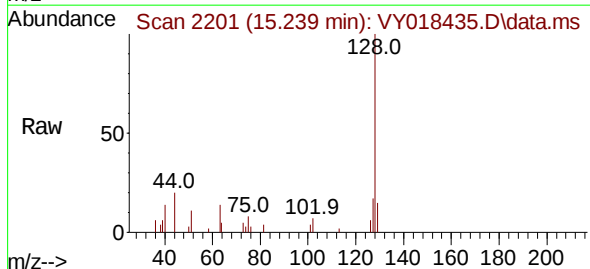
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

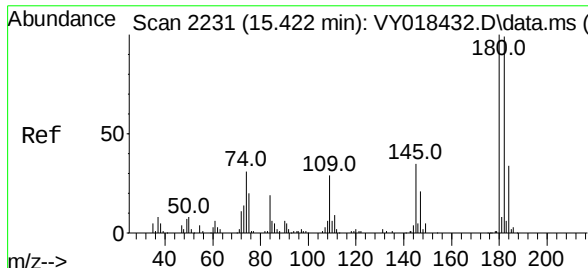
Tgt Ion:	180	Resp:	1628
Ion	Ratio	Lower	Upper
180	100		
182	111.9	47.9	143.8
145	45.8	14.2	42.6#



Scan 2200 (15.233 min): VY018432.D\data.ms (-2195) (-)
 Naphthalene
 Concen: 1.745 ug/l
 RT: 15.239 min Scan# 2201
 Delta R.T. 0.006 min
 Lab File: VY018435.D
 Acq: 03 Jun 2024 12:34

Tgt Ion:	128	Resp:	4035
Ion	Ratio	Lower	Upper
128	100		
127	16.3	10.6	16.0#
129	16.9	8.6	13.0#





1,2,3-Trichlorobenzene
 Concen: 1.864 ug/l
 RT: 15.416 min Scan# 2230
 Delta R.T. -0.006 min
 Lab File: VY018435.D
 Acq: 03 Jun 2024 12:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion:	180	Resp:	1816
Ion	Ratio	Lower	Upper
180	100		
182	101.5	47.6	142.9
145	31.3	15.4	46.1

