

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100924\
 Data File : VY019835.D
 Acq On : 09 Oct 2024 16:11
 Operator : SY/MD
 Sample : VY1009SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 10 05:38:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

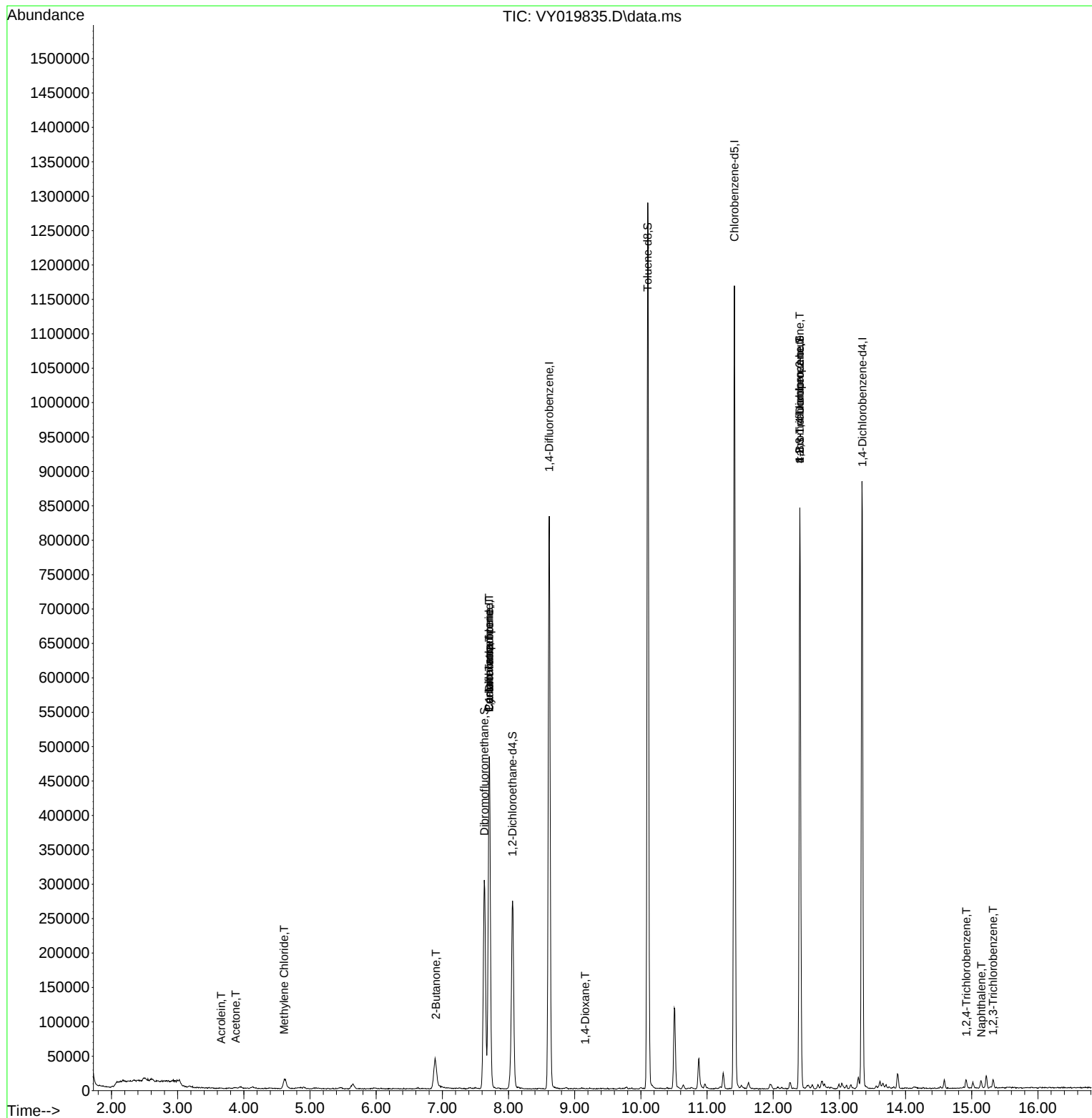
Internal Standards						
1) Pentafluorobenzene	7.707	168	349201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	680771	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	591063	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	207482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	204956	47.668	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.340%
35) Dibromofluoromethane	7.634	113	217089	48.324	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.640%
50) Toluene-d8	10.103	98	816718	49.231	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.460%
62) 4-Bromofluorobenzene	12.401	95	251531	41.962	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	83.920%
Target Compounds						Qvalue
11) Tert butyl alcohol	4.823	59	1459	Below Cal		96
13) Acrolein	3.659	56	445	1.408 ug/l #		55
16) Acetone	3.879	43	2081	1.859 ug/l #		81
20) Methylene Chloride	4.610	84	10030	2.220 ug/l		88
25) 2-Butanone	6.902	43	3775	2.520 ug/l #		63
31) Cyclohexane	7.707	56	10037	1.397 ug/l #		15
36) 1,1-Dichloropropene	7.707	75	32111	4.962 ug/l #		52
38) Carbon Tetrachloride	7.707	117	39015	5.623 ug/l #		15
49) 1,4-Dioxane	9.158	88	47	1.568 ug/l #		1
76) 1,2,3-Trichloropropane	12.401	75	139454	64.548 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.401	75	139454	138.487 ug/l #		8
93) 1,2,4-Trichlorobenzene	14.919	180	3758	1.020 ug/l		90
95) Naphthalene	15.145	128	8135	1.171 ug/l #		93
96) 1,2,3-Trichlorobenzene	15.322	180	3523	1.131 ug/l		92

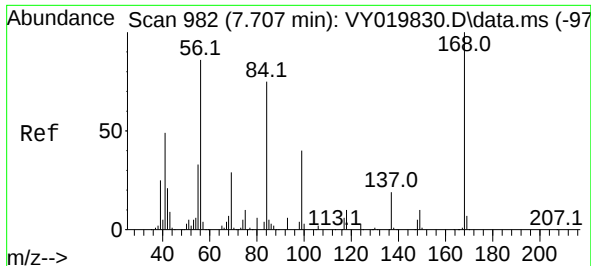
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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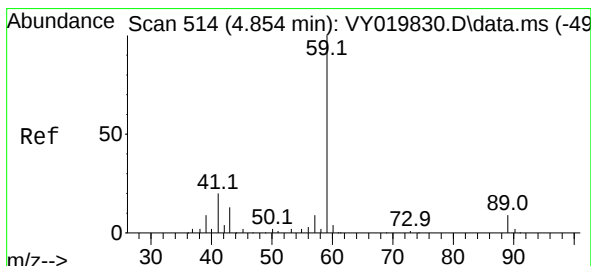
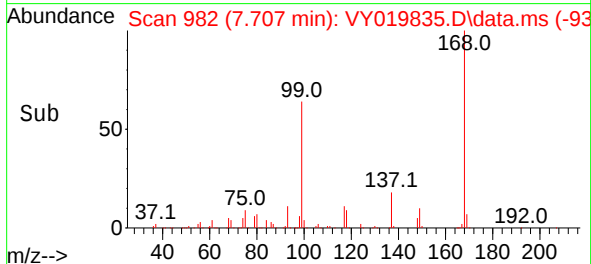
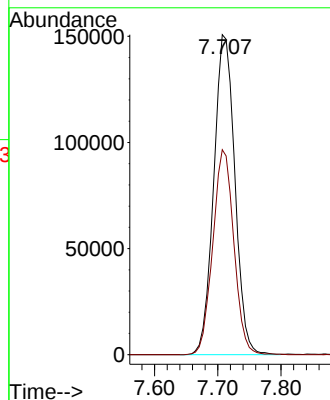
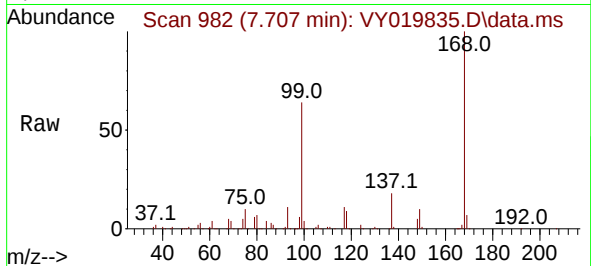




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019835.D
Acq: 09 Oct 2024 16:11

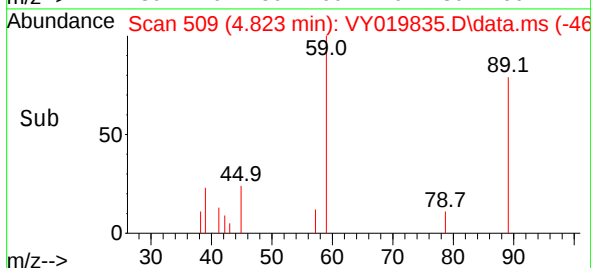
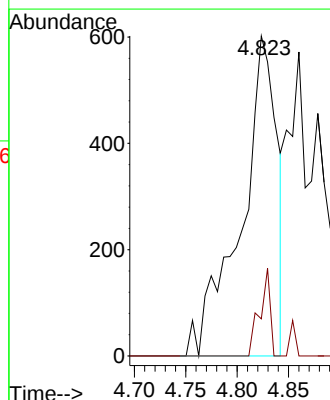
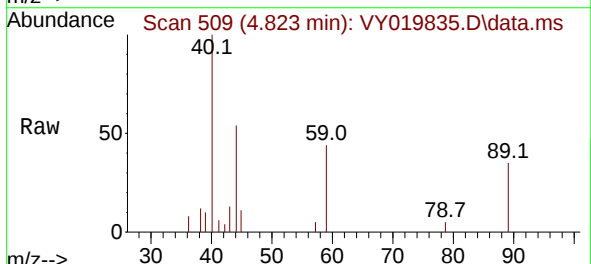
Instrument :
MSVOA_Y
ClientSampleId :

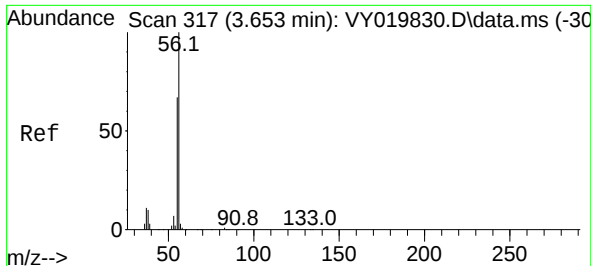
Tgt Ion:168 Resp: 349201
Ion Ratio Lower Upper
168 100
99 64.1 52.6 78.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.823 min Scan# 509
Delta R.T. -0.031 min
Lab File: VY019835.D
Acq: 09 Oct 2024 16:11

Tgt Ion: 59 Resp: 1459
Ion Ratio Lower Upper
59 100
57 8.0 7.7 11.5

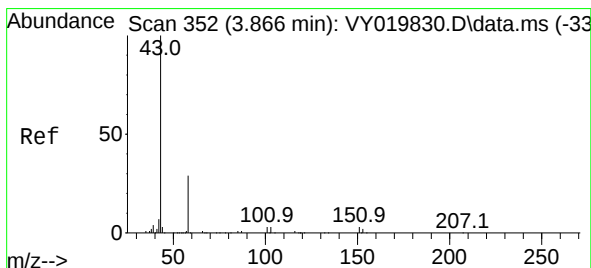
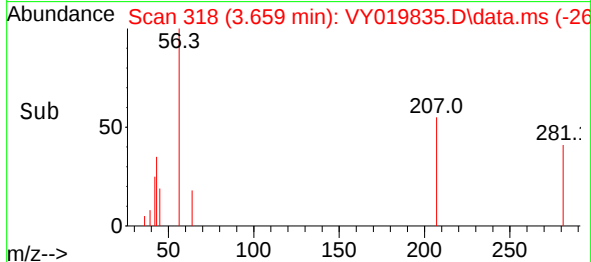
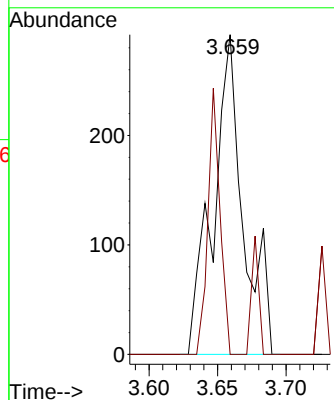
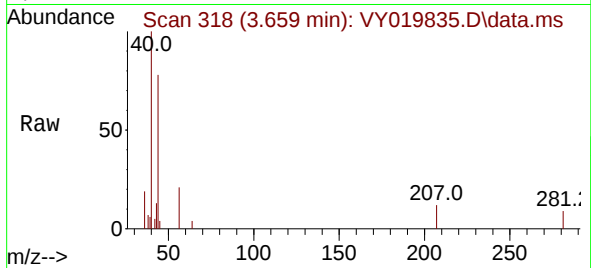




#13
Acrolein
Concen: 1.408 ug/l
RT: 3.659 min Scan# 317
Delta R.T. 0.006 min
Lab File: VY019835.D
Acq: 09 Oct 2024 16:11

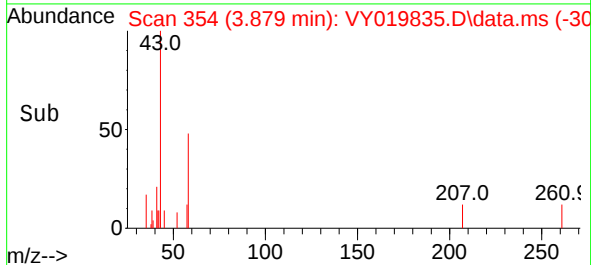
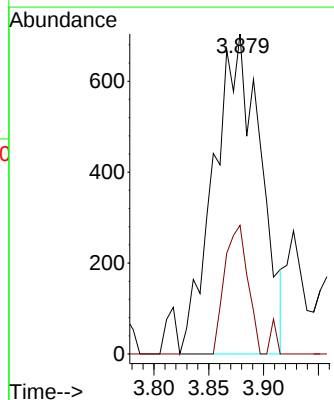
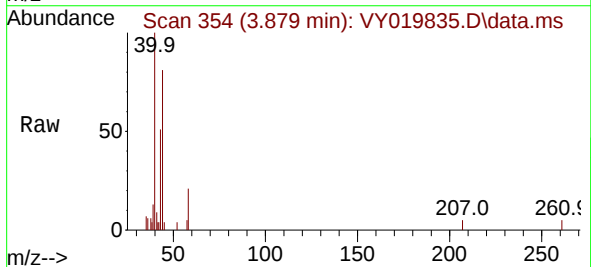
Instrument :
MSVOA_Y
ClientSampleId :

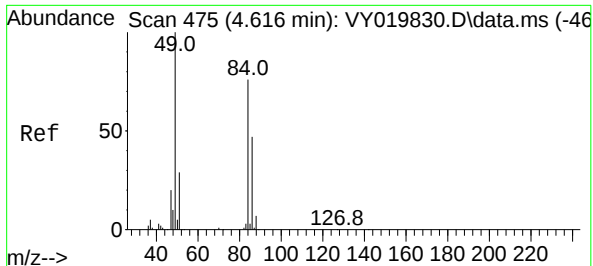
Tgt Ion: 56 Resp: 445
Ion Ratio Lower Upper
56 100
55 33.5 56.9 85.3#



#16
Acetone
Concen: 1.859 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.012 min
Lab File: VY019835.D
Acq: 09 Oct 2024 16:11

Tgt Ion: 43 Resp: 2081
Ion Ratio Lower Upper
43 100
58 40.2 23.8 35.6#





#20

Methylene Chloride

Concen: 2.220 ug/l

RT: 4.610 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY019835.D

Acq: 09 Oct 2024 16:11

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 84 Resp: 10030

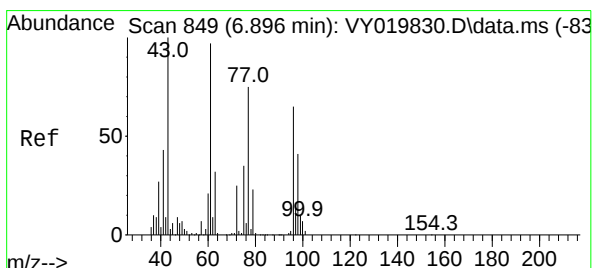
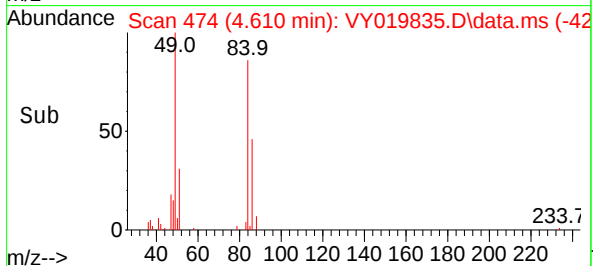
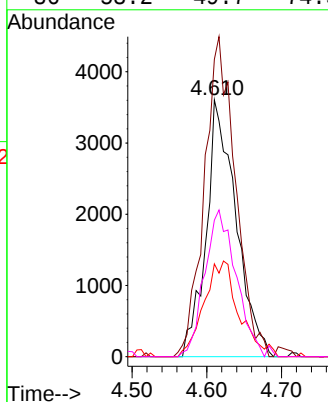
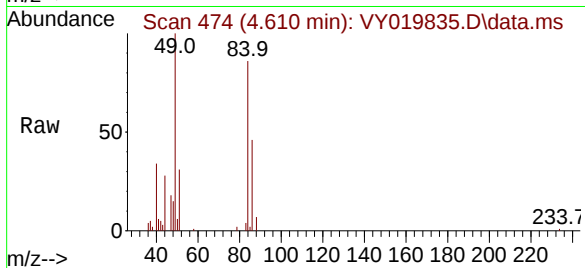
Ion Ratio Lower Upper

84 100

49 114.1 104.8 157.2

51 36.1 30.4 45.6

86 53.2 49.7 74.5



#25

2-Butanone

Concen: 2.520 ug/l

RT: 6.902 min Scan# 850

Delta R.T. 0.006 min

Lab File: VY019835.D

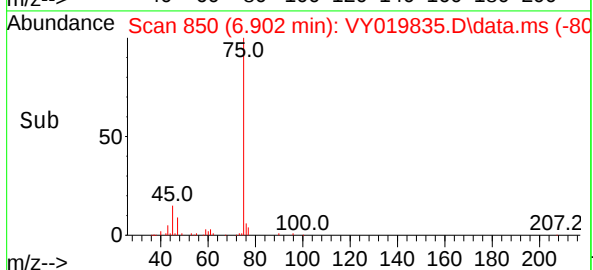
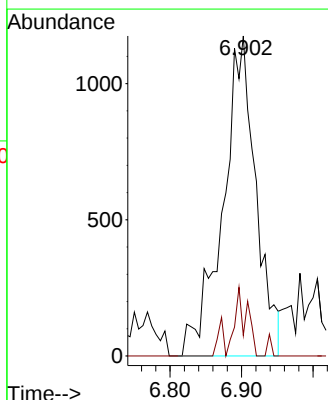
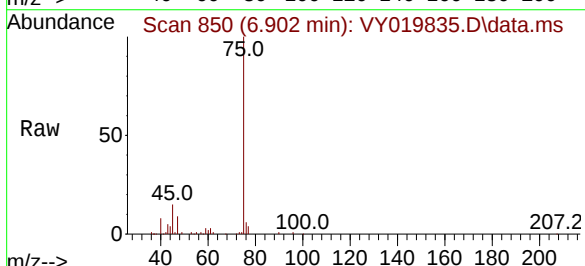
Acq: 09 Oct 2024 16:11

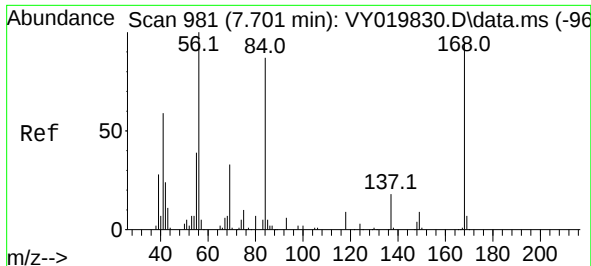
Tgt Ion: 43 Resp: 3775

Ion Ratio Lower Upper

43 100

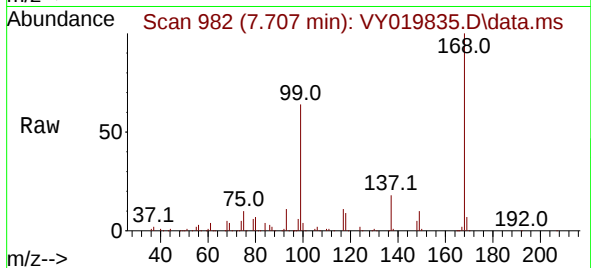
72 6.5 19.8 29.6#



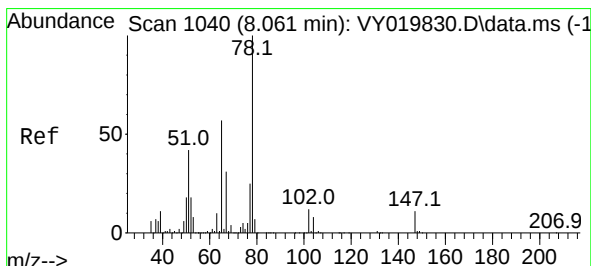
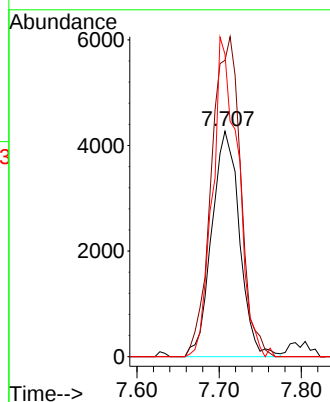
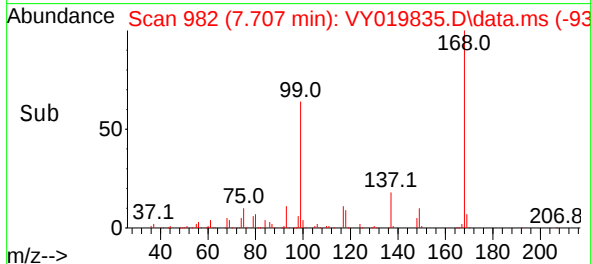


#31
Cyclohexane
Concen: 1.397 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY019835.D
Acq: 09 Oct 2024 16:11

Instrument :
MSVOA_Y
ClientSampleId :

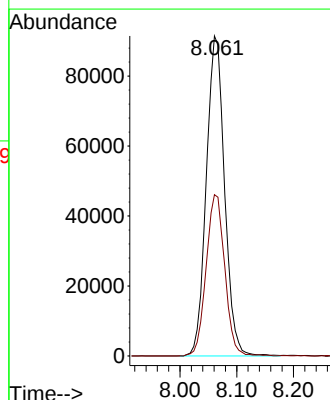
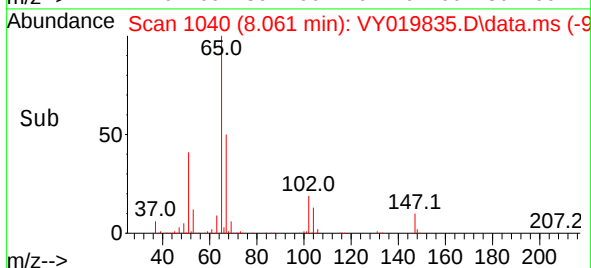
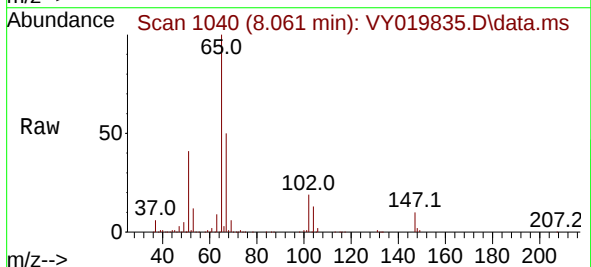


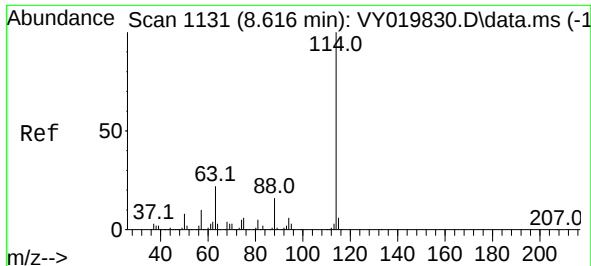
Tgt Ion: 56 Resp: 10037
Ion Ratio Lower Upper
56 100
69 131.4 26.6 39.8#
84 134.1 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 47.668 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY019835.D
Acq: 09 Oct 2024 16:11

Tgt Ion: 65 Resp: 204956
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019835.D

Acq: 09 Oct 2024 16:11

Instrument :

MSVOA_Y

ClientSampleId :

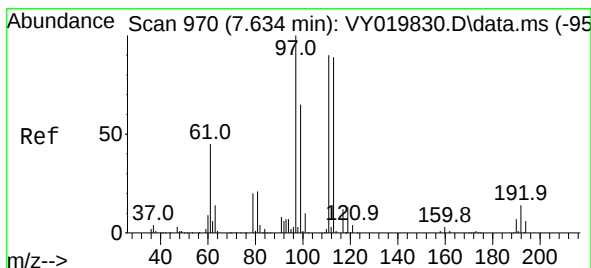
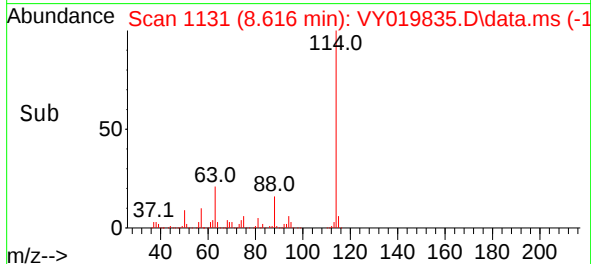
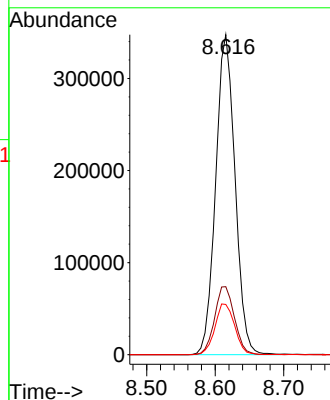
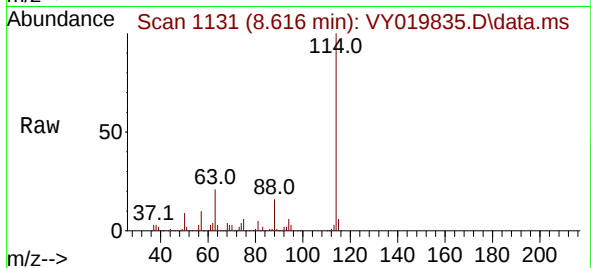
Tgt Ion:114 Resp: 680771

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.8

88 15.7 0.0 32.0



#35

Dibromofluoromethane

Concen: 48.324 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY019835.D

Acq: 09 Oct 2024 16:11

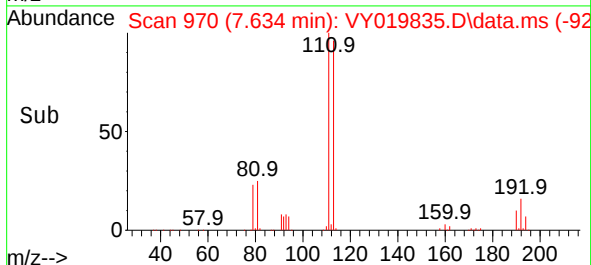
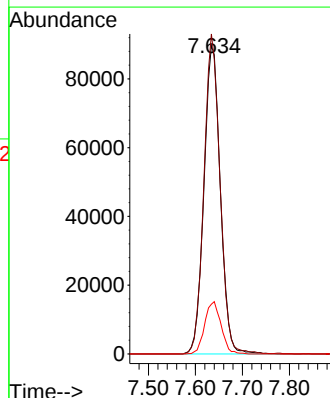
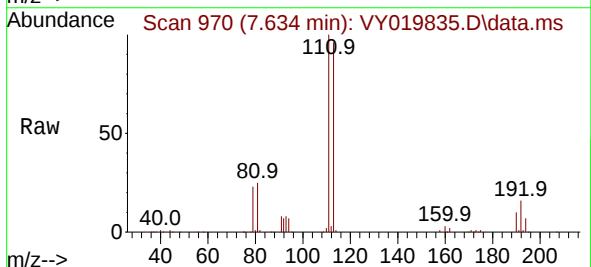
Tgt Ion:113 Resp: 217089

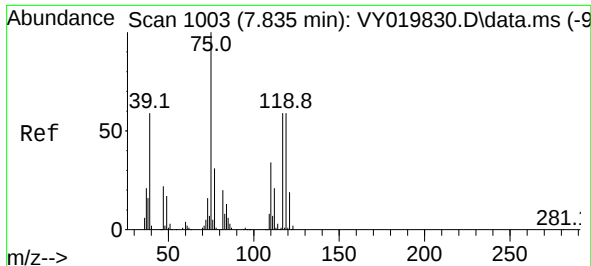
Ion Ratio Lower Upper

113 100

111 101.6 82.9 124.3

192 16.9 13.6 20.4

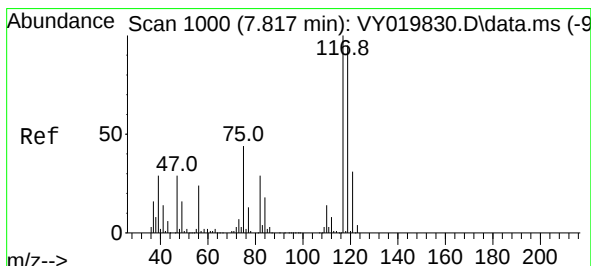
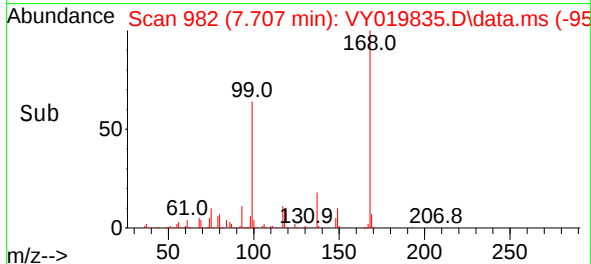
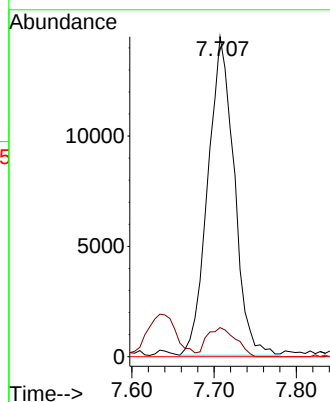
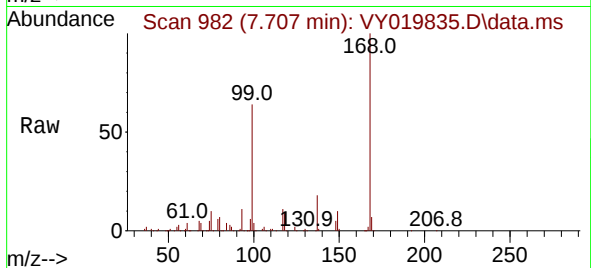




#36
1,1-Dichloropropene
Concen: 4.962 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY019835.D
Acq: 09 Oct 2024 16:11

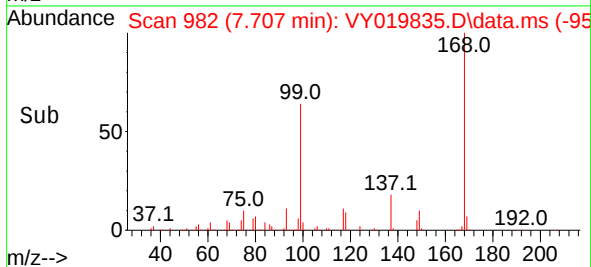
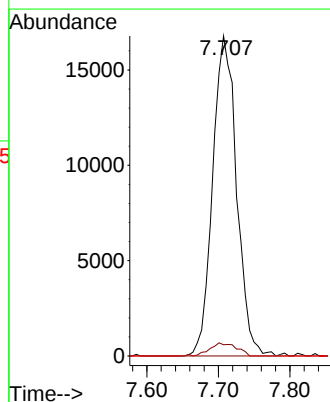
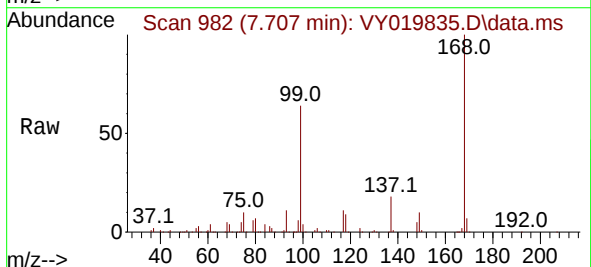
Instrument :
MSVOA_Y
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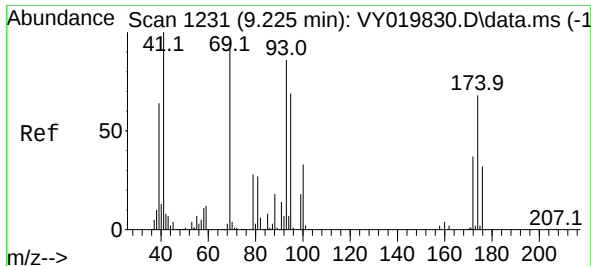
Tgt Ion: 75 Resp: 32111
Ion Ratio Lower Upper
75 100
110 10.1 16.6 49.8#
77 0.0 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 5.623 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.110 min
Lab File: VY019835.D
Acq: 09 Oct 2024 16:11

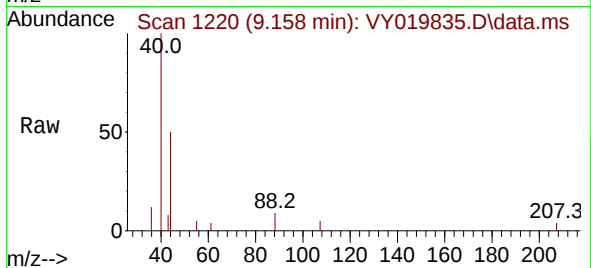
Tgt Ion: 117 Resp: 39015
Ion Ratio Lower Upper
117 100
119 3.5 76.2 114.4#
121 0.0 25.0 37.4#



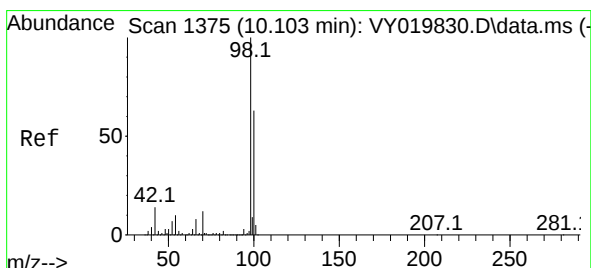
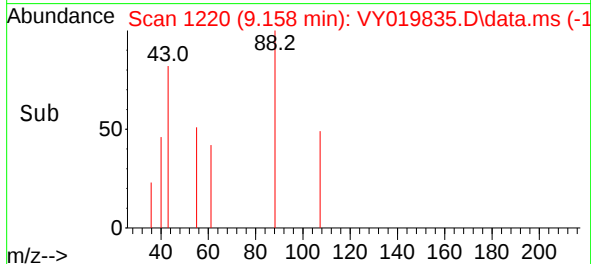
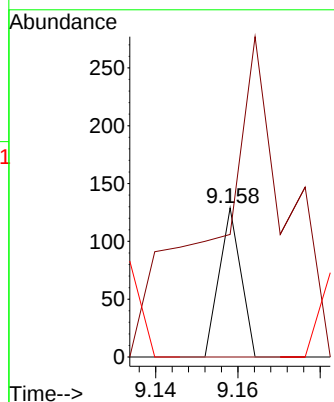


#49
1,4-Dioxane
Concen: 1.568 ug/l
RT: 9.158 min Scan# 11
Delta R.T. -0.067 min
Lab File: VY019835.D
Acq: 09 Oct 2024 16:11

Instrument :
MSVOA_Y
ClientSampleId :

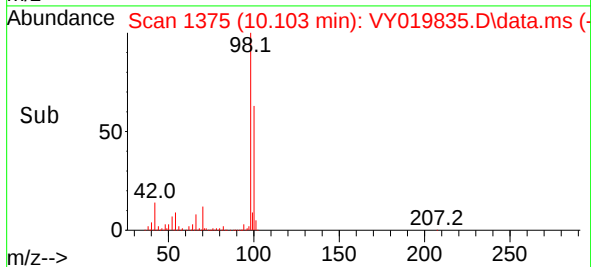
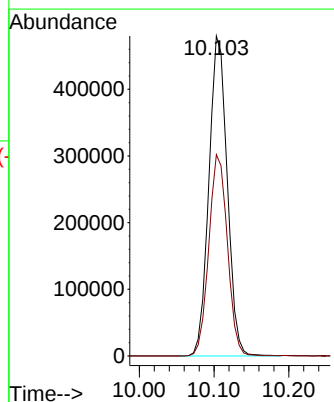
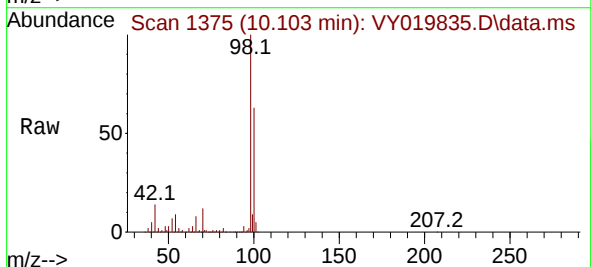


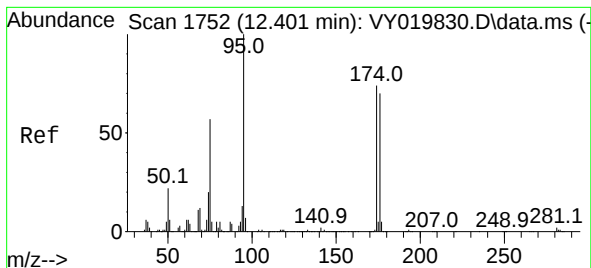
Tgt Ion: 88 Resp: 47
Ion Ratio Lower Upper
88 100
43 717.0 28.5 42.7#
58 0.0 52.6 78.8#



#50
Toluene-d8
Concen: 49.231 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY019835.D
Acq: 09 Oct 2024 16:11

Tgt Ion: 98 Resp: 816718
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7

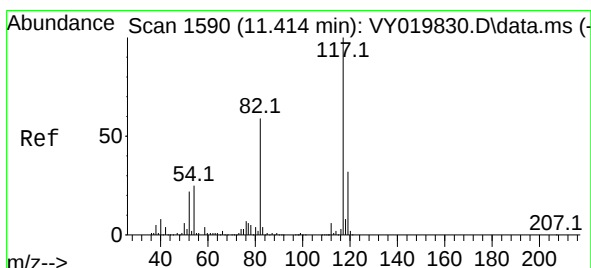
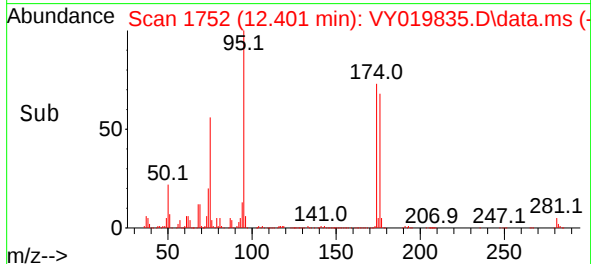
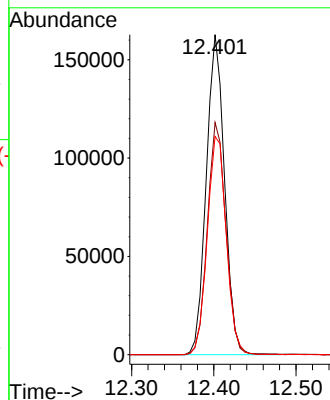
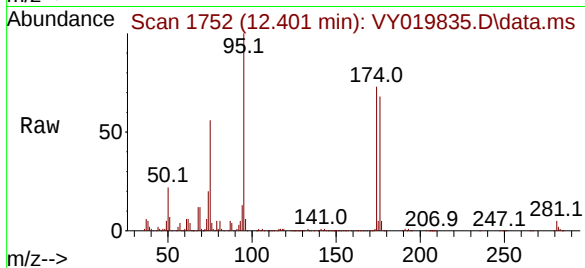




#62
4-Bromofluorobenzene
Concen: 41.962 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY019835.D
Acq: 09 Oct 2024 16:11

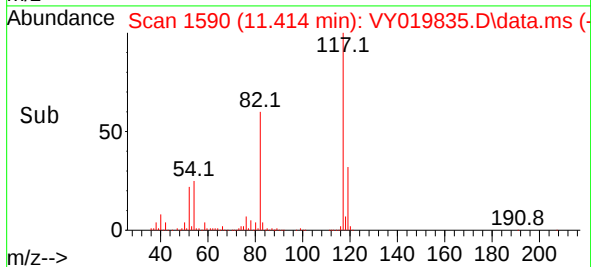
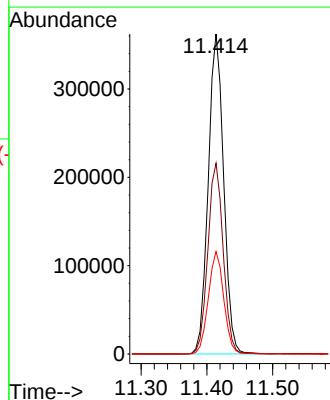
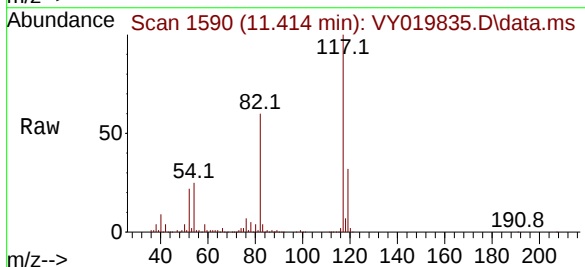
Instrument :
MSVOA_Y
ClientSampleId :

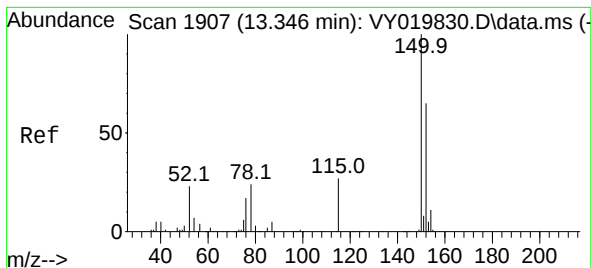
Tgt Ion: 95 Resp: 251531
Ion Ratio Lower Upper
95 100
174 73.4 0.0 148.0
176 70.9 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY019835.D
Acq: 09 Oct 2024 16:11

Tgt Ion: 117 Resp: 591063
Ion Ratio Lower Upper
117 100
82 59.6 46.9 70.3
119 32.0 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY019835.D

Acq: 09 Oct 2024 16:11

Instrument :

MSVOA_Y

ClientSampleId :

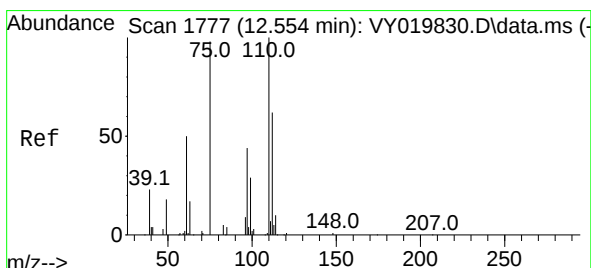
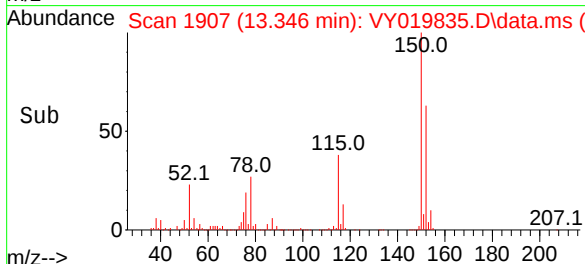
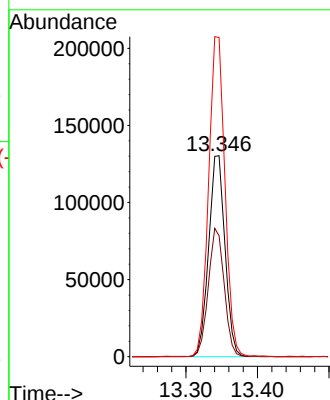
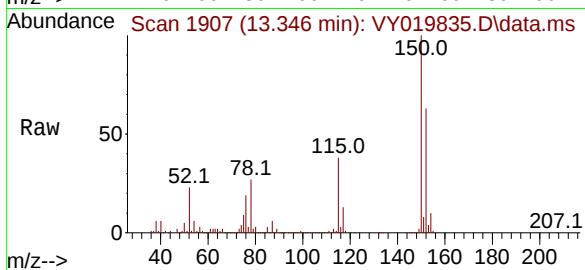
Tgt Ion:152 Resp: 207482

Ion Ratio Lower Upper

152 100

115 61.8 30.8 92.3

150 158.4 0.0 352.8



#76

1,2,3-Trichloropropane

Concen: 64.548 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY019835.D

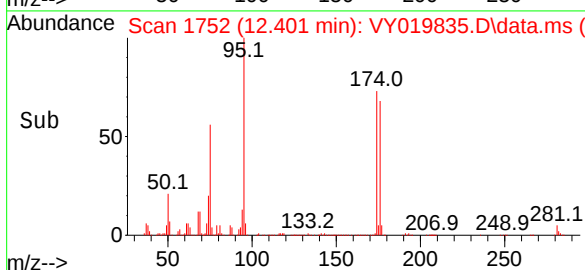
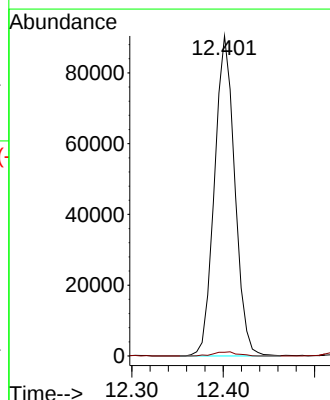
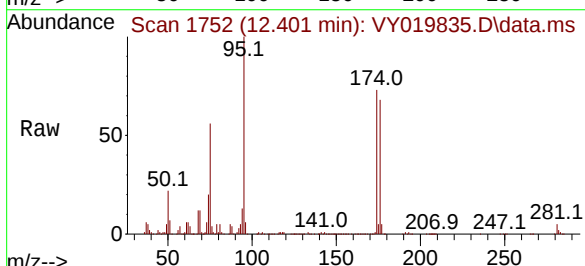
Acq: 09 Oct 2024 16:11

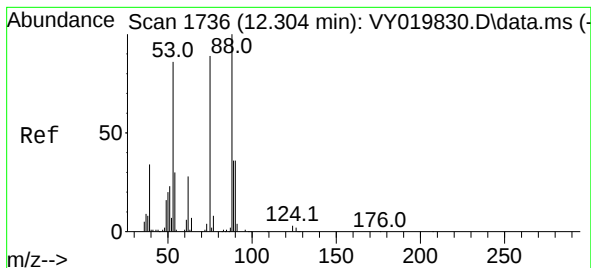
Tgt Ion: 75 Resp: 139454

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

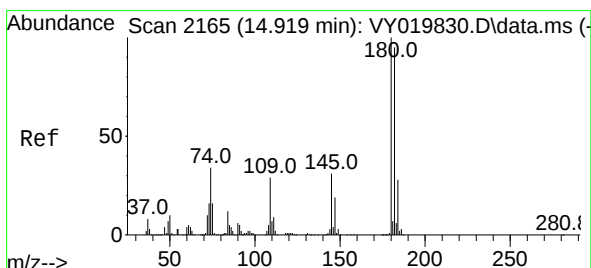
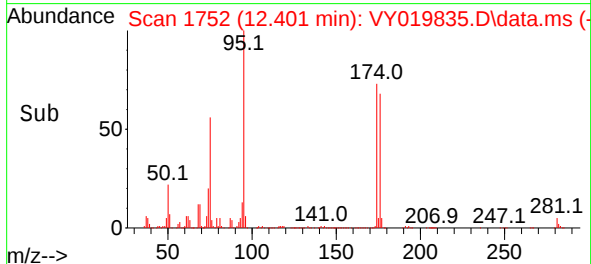
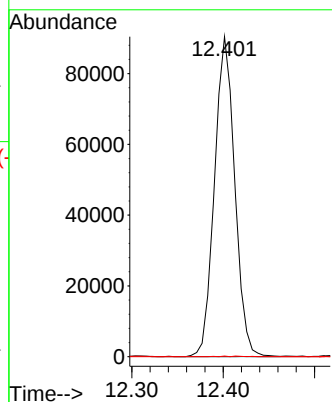
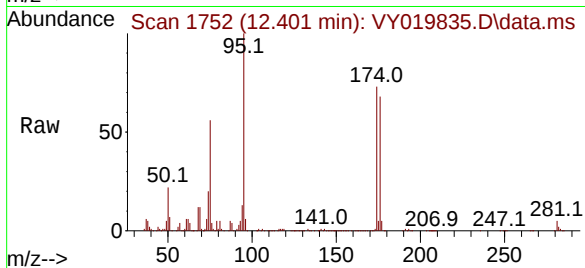




#81
trans-1,4-Dichloro-2-butene
Concen: 138.487 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019835.D
Acq: 09 Oct 2024 16:11

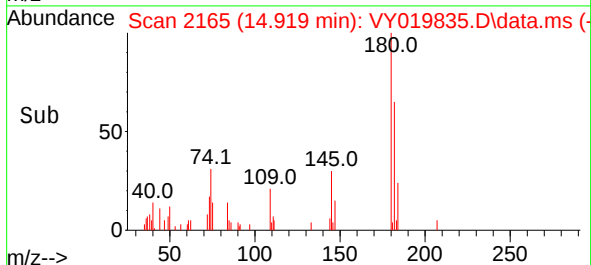
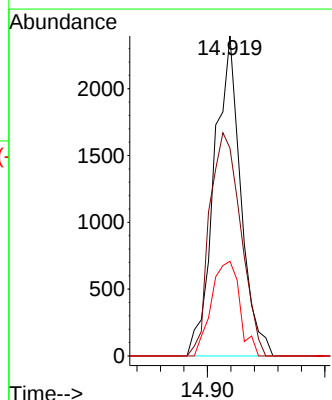
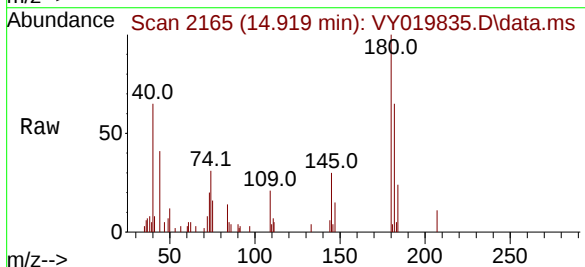
Instrument :
MSVOA_Y
ClientSampleId :

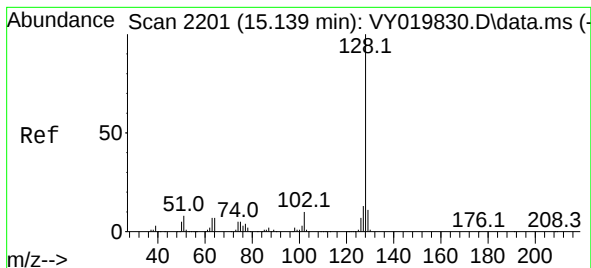
Tgt Ion: 75 Resp: 139454
Ion Ratio Lower Upper
75 100
53 0.0 84.7 127.1#
89 0.1 35.4 53.2#



#93
1,2,4-Trichlorobenzene
Concen: 1.020 ug/l
RT: 14.919 min Scan# 2165
Delta R.T. -0.000 min
Lab File: VY019835.D
Acq: 09 Oct 2024 16:11

Tgt Ion:180 Resp: 3758
Ion Ratio Lower Upper
180 100
182 81.7 47.4 142.3
145 31.5 16.1 48.2





#95

Naphthalene

Concen: 1.171 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY019835.D

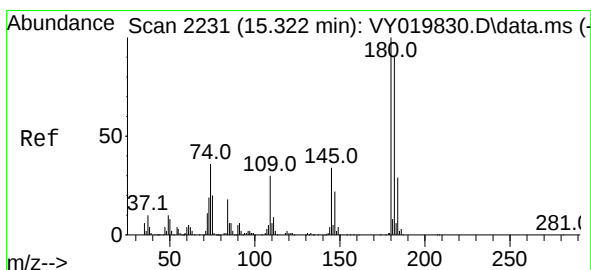
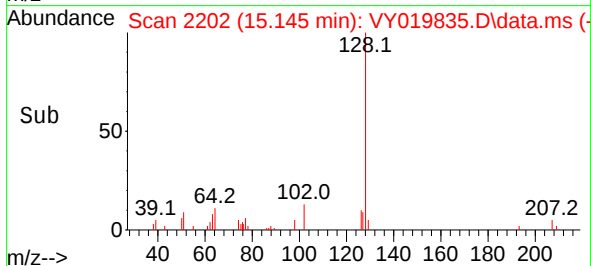
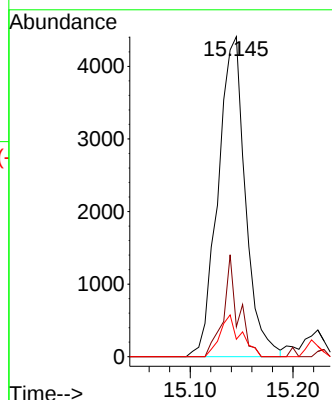
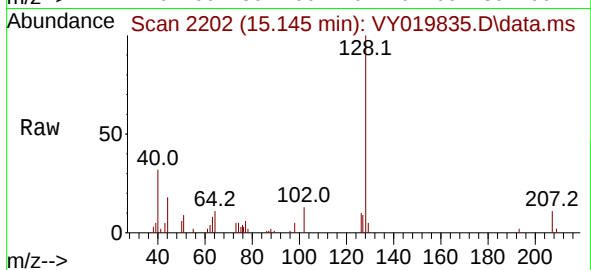
Acq: 09 Oct 2024 16:11

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:128	Resp:	8135
Ion Ratio	Lower	Upper
128	100	
127	17.2	10.4 15.6#
129	9.9	8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 1.131 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY019835.D

Acq: 09 Oct 2024 16:11

Tgt Ion:180	Resp:	3523
Ion Ratio	Lower	Upper
180	100	
182	84.2	46.8 140.4
145	34.6	16.9 50.6

