

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
 Data File : VY021412.D
 Acq On : 05 Mar 2025 14:58
 Operator : SY/MD
 Sample : Q1447-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC1

Quant Time: Mar 05 17:51:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	247210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	461499	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	408888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	164565	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151598	58.020	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.040%
35) Dibromofluoromethane	7.634	113	156879	51.716	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.440%
50) Toluene-d8	10.103	98	546969	47.621	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.240%
62) 4-Bromofluorobenzene	12.408	95	189629	48.536	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.080%

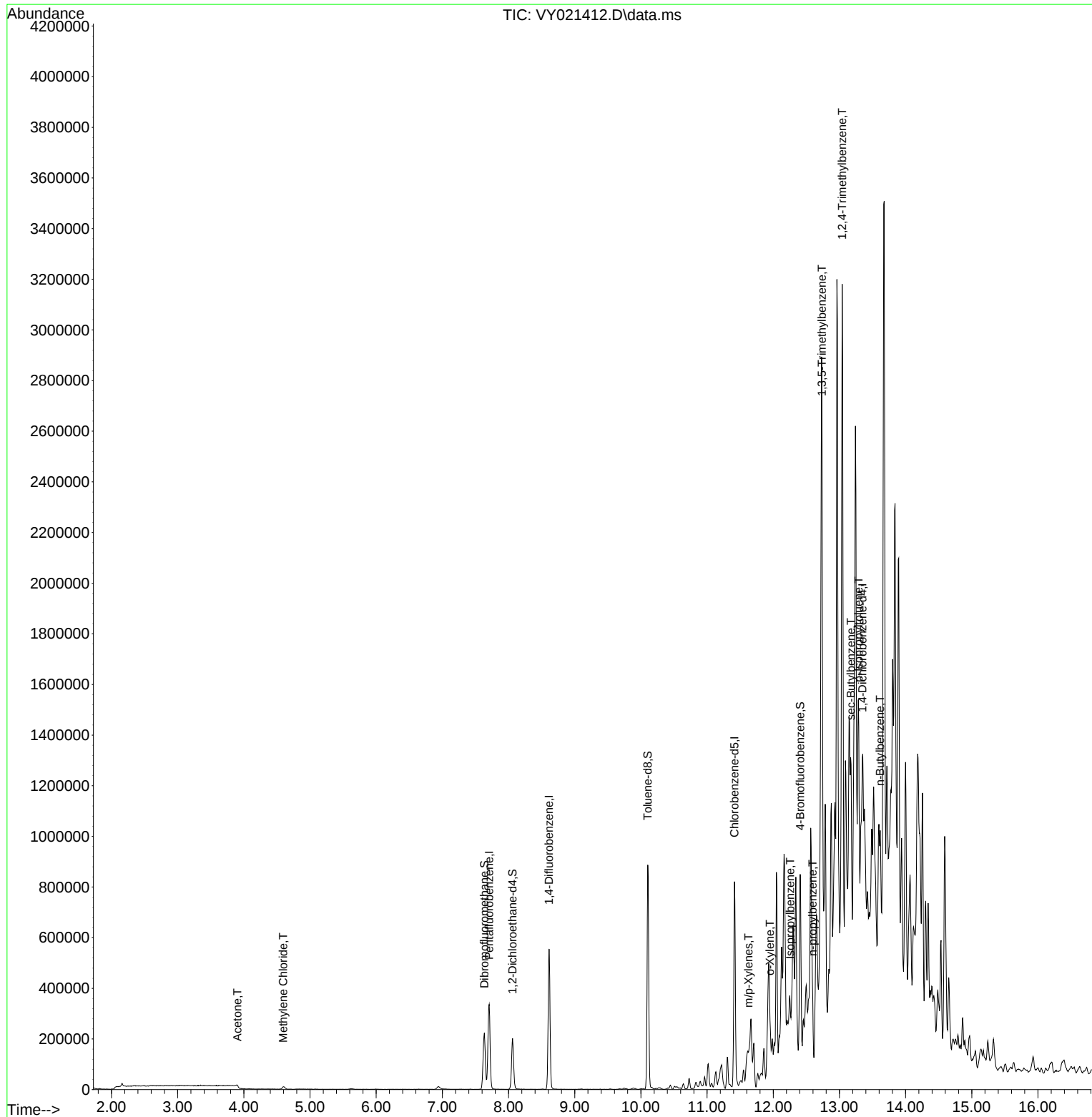
Target Compounds					Qvalue	
16) Acetone	3.903	43	6429	11.281	ug/l	# 80
20) Methylene Chloride	4.592	84	7117	2.379	ug/l	89
68) m/p-Xylenes	11.627	106	23361	3.631	ug/l	100
69) o-Xylene	11.950	106	12601	2.125	ug/l	86
73) Isopropylbenzene	12.255	105	46671	3.600	ug/l	99
78) n-propylbenzene	12.597	91	138761	8.814	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	88951	8.444	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1220706	116.706	ug/l	100
85) sec-Butylbenzene	13.176	105	194182	13.887	ug/l	# 72
86) p-Isopropyltoluene	13.292	119	32897	2.856	ug/l	99
89) n-Butylbenzene	13.615	91	245543	23.083	ug/l	# 74

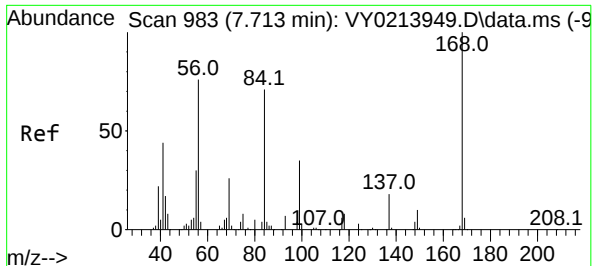
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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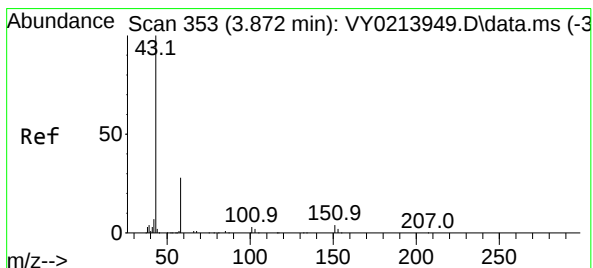
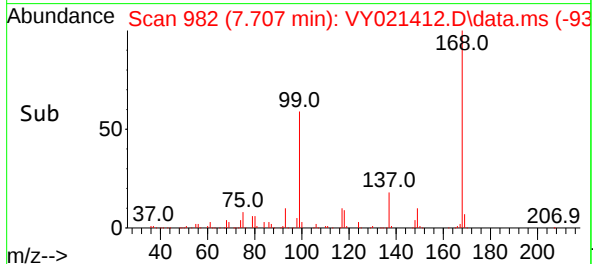
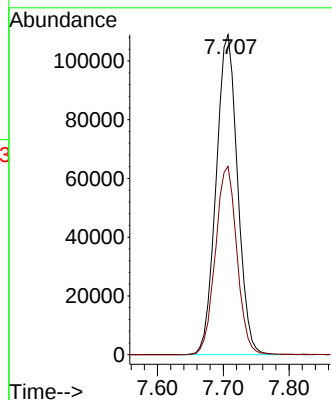
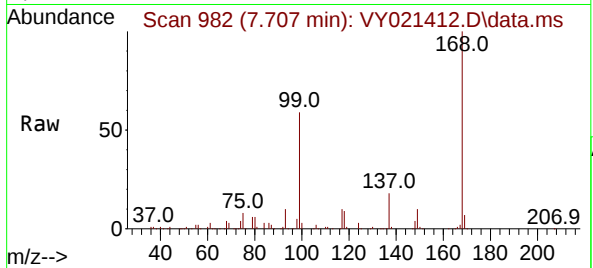




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

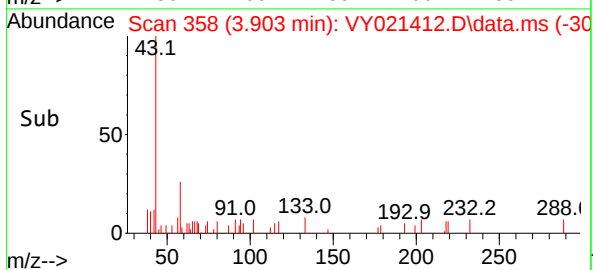
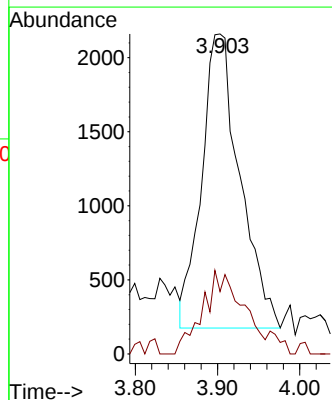
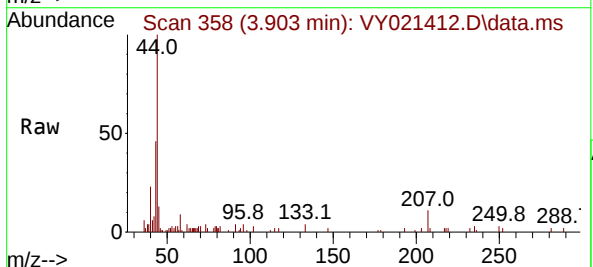
Instrument :
MSVOA_Y
ClientSampleId :
WC1

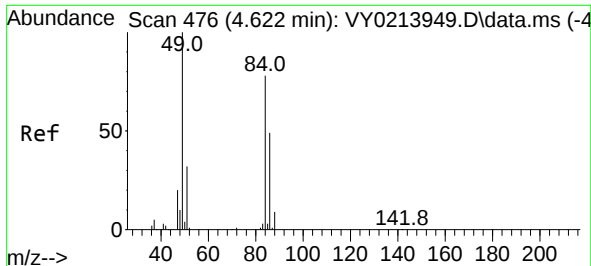
Tgt Ion:168 Resp: 247210
Ion Ratio Lower Upper
168 100
99 58.8 46.0 69.0



#16
Acetone
Concen: 11.281 ug/l
RT: 3.903 min Scan# 358
Delta R.T. 0.031 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion: 43 Resp: 6429
Ion Ratio Lower Upper
43 100
58 17.3 22.1 33.1#

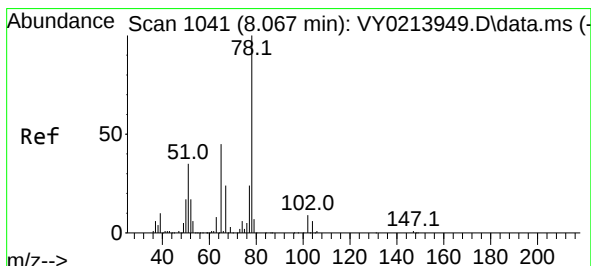
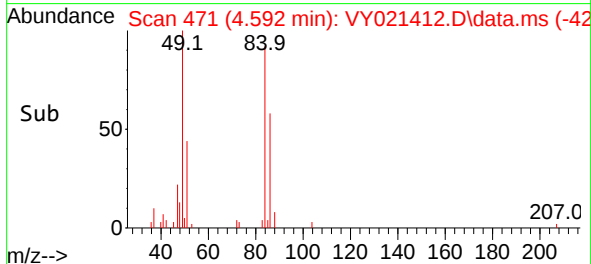
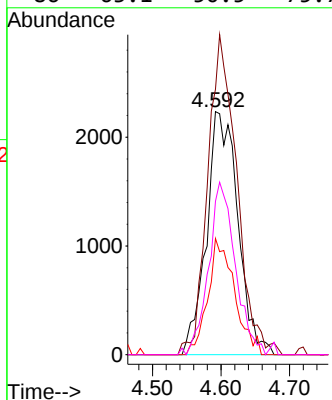
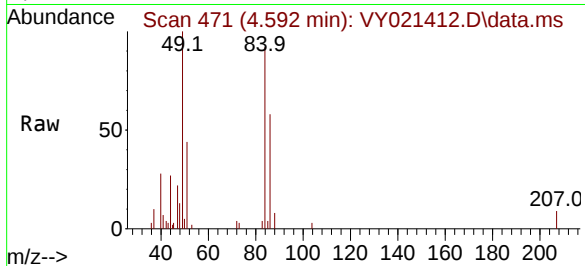




#20
Methylene Chloride
Concen: 2.379 ug/l
RT: 4.592 min Scan# 41
Delta R.T. -0.030 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

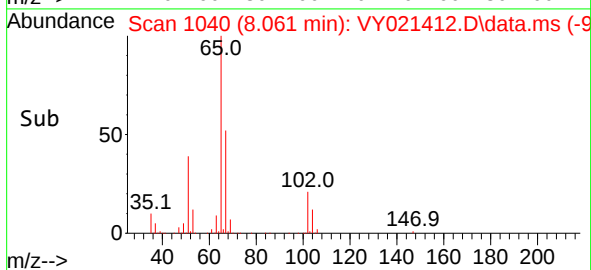
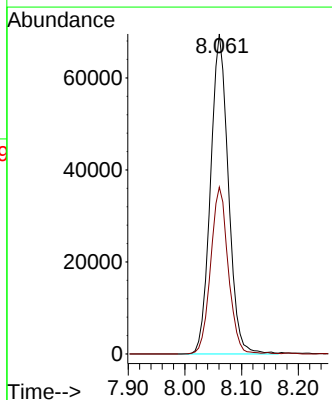
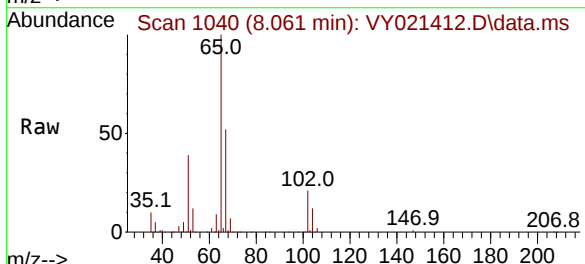
Instrument :
MSVOA_Y
ClientSampleId :
WC1

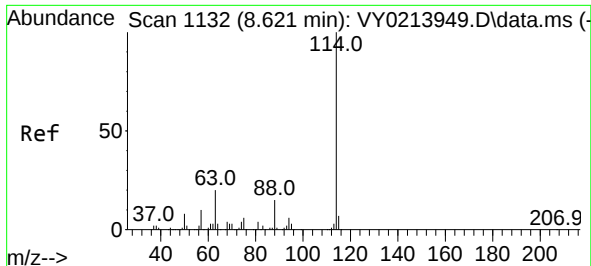
Tgt Ion:	84	Resp:	7117
Ion	Ratio	Lower	Upper
84	100		
49	109.2	102.0	153.0
51	47.8	33.0	49.6
86	63.1	50.5	75.7



#33
1,2-Dichloroethane-d4
Concen: 58.020 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion:	65	Resp:	151598
Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	102.8

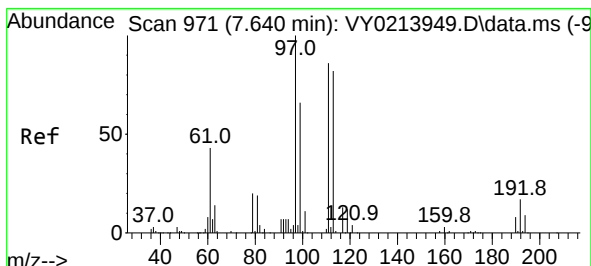
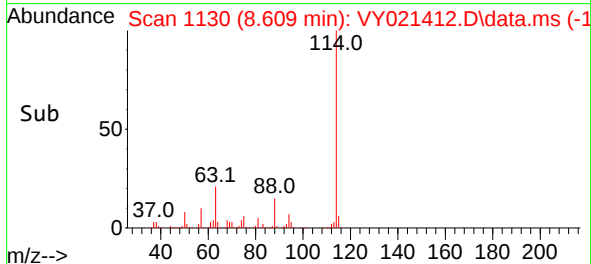
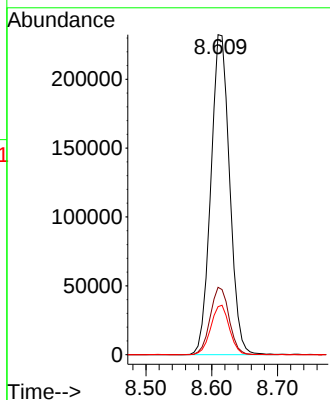
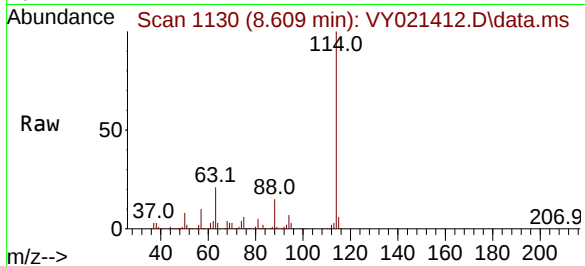




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1132
Delta R.T. -0.012 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

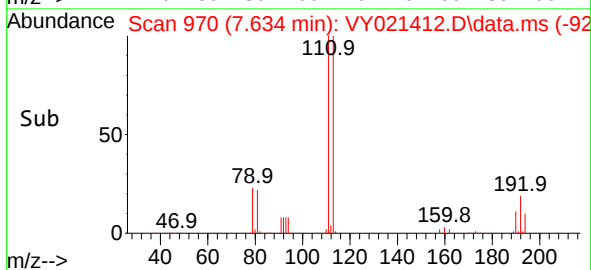
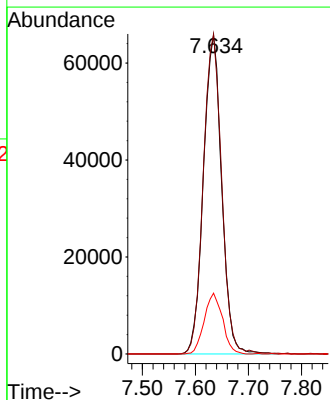
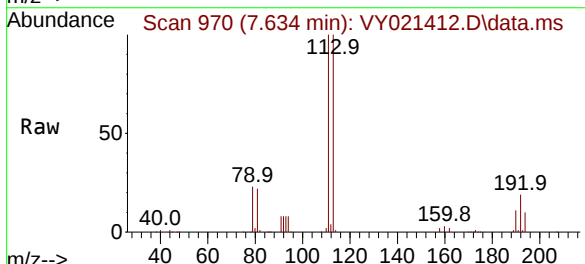
Instrument :
MSVOA_Y
ClientSampleId :
WC1

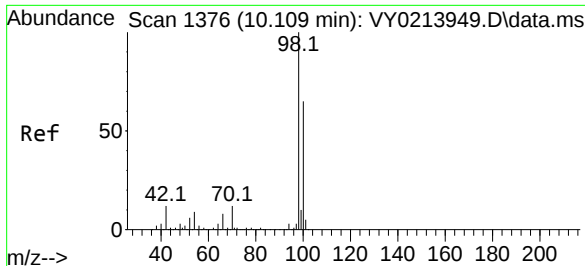
Tgt Ion:114	Resp:	461499
Ion	Ratio	Lower Upper
114	100	
63	21.1	0.0 40.8
88	15.0	0.0 30.8



#35
Dibromofluoromethane
Concen: 51.716 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion:113	Resp:	156879
Ion	Ratio	Lower Upper
113	100	
111	101.1	82.0 123.0
192	19.1	15.9 23.9

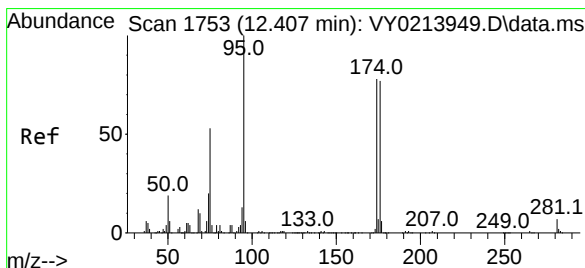
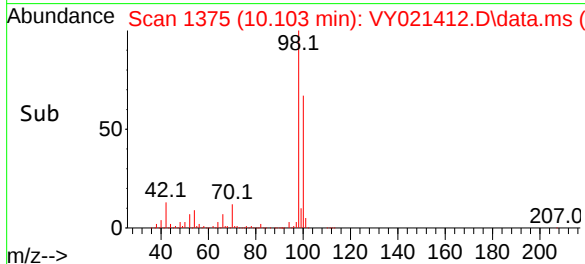
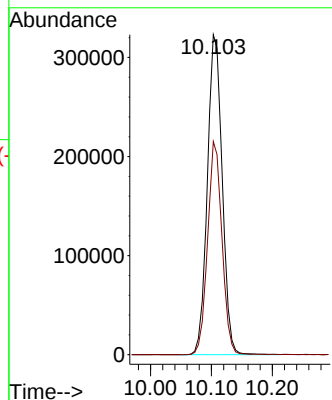
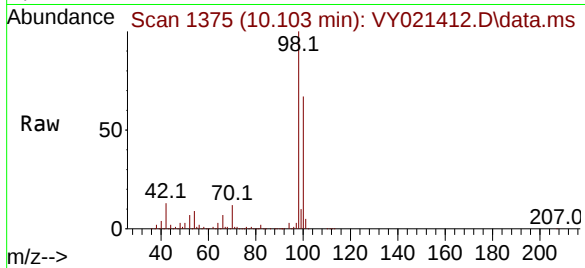




#50
Toluene-d8
Concen: 47.621 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

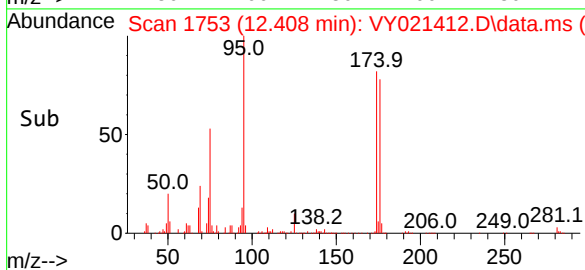
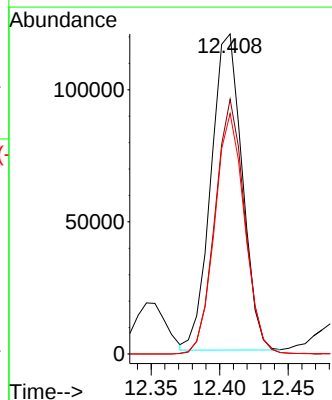
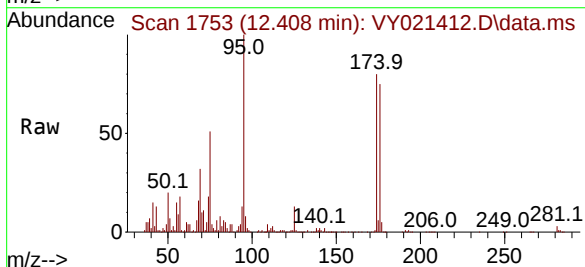
Instrument :
MSVOA_Y
ClientSampleId :
WC1

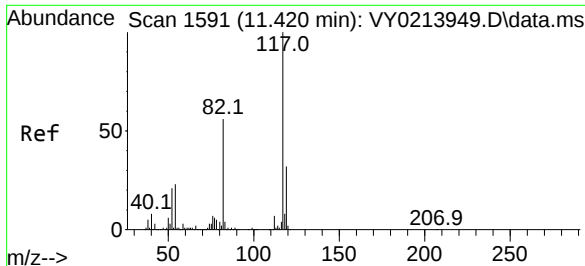
Tgt Ion: 98 Resp: 546969
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 48.536 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion: 95 Resp: 189629
Ion Ratio Lower Upper
95 100
174 76.2 0.0 165.0
176 73.1 0.0 160.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021412.D

Acq: 05 Mar 2025 14:58

Instrument :

MSVOA_Y

ClientSampleId :

WC1

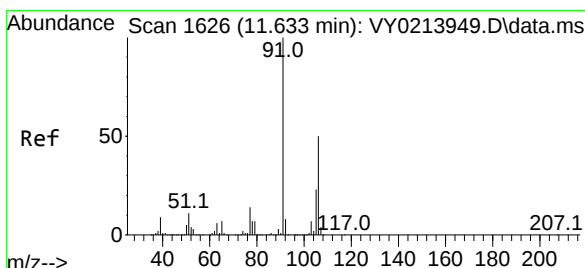
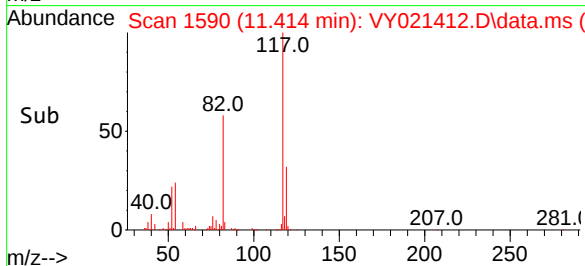
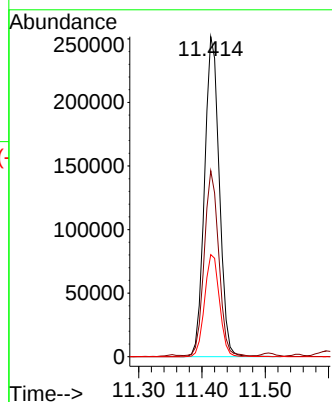
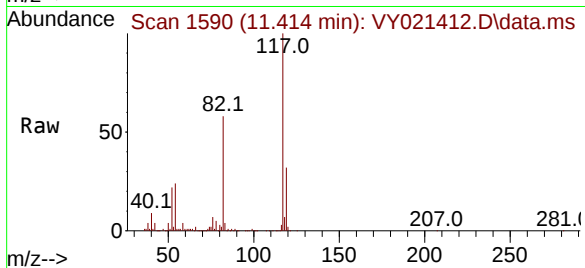
Tgt Ion:117 Resp: 408888

Ion Ratio Lower Upper

117 100

82 57.7 44.6 67.0

119 31.9 25.4 38.0



#68

m/p-Xylenes

Concen: 3.631 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY021412.D

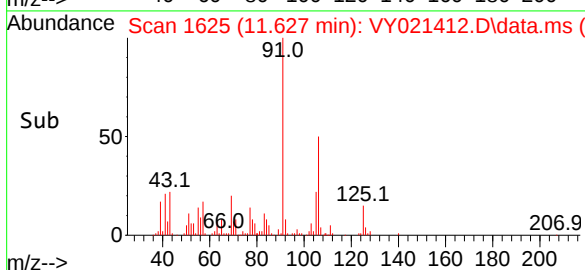
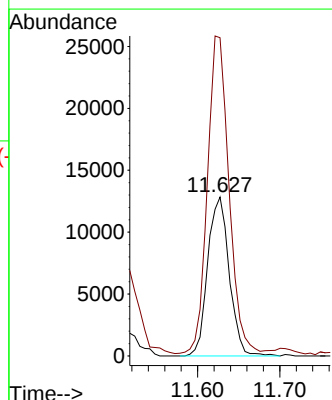
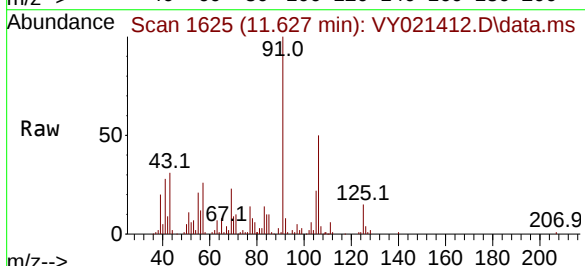
Acq: 05 Mar 2025 14:58

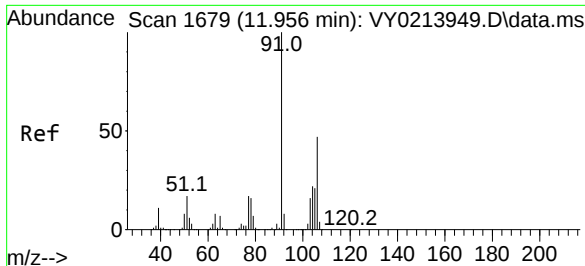
Tgt Ion:106 Resp: 23361

Ion Ratio Lower Upper

106 100

91 202.1 161.7 242.5





#69

o-Xylene

Concen: 2.125 ug/l

RT: 11.950 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY021412.D

Acq: 05 Mar 2025 14:58

Instrument :

MSVOA_Y

ClientSampleId :

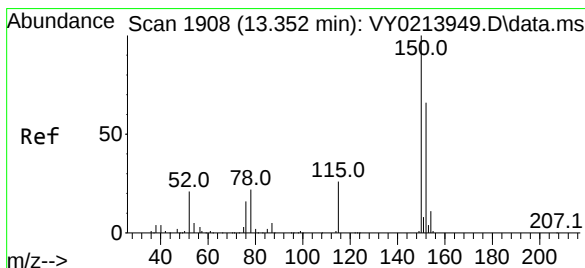
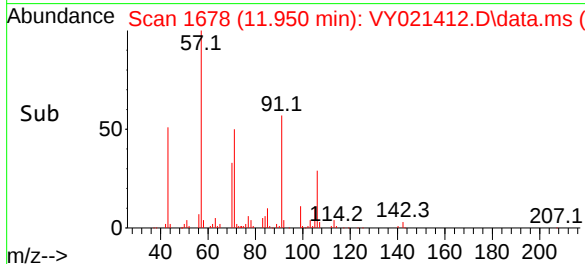
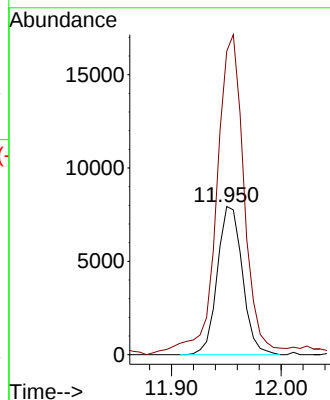
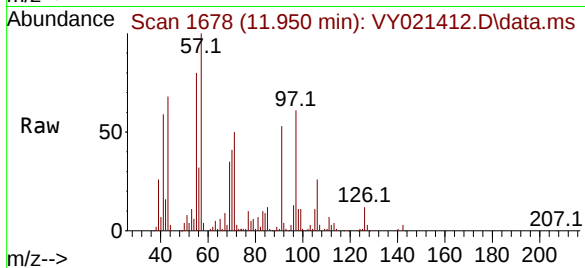
WC1

Tgt Ion:106 Resp: 12601

Ion Ratio Lower Upper

106 100

91 238.0 107.6 322.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY021412.D

Acq: 05 Mar 2025 14:58

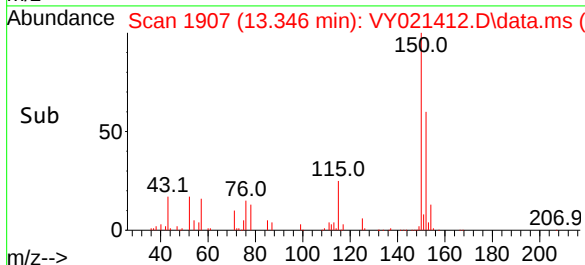
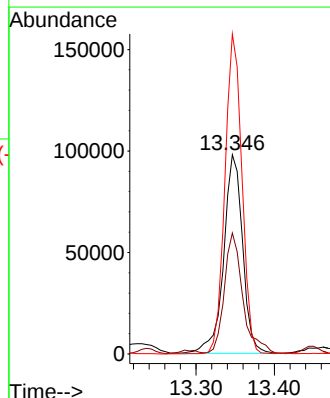
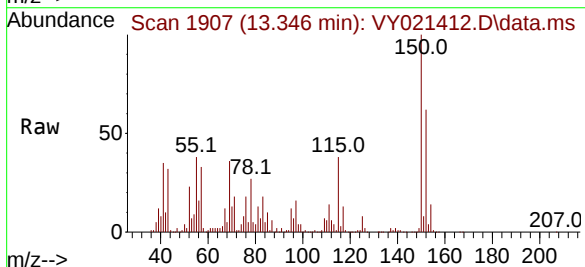
Tgt Ion:152 Resp: 164565

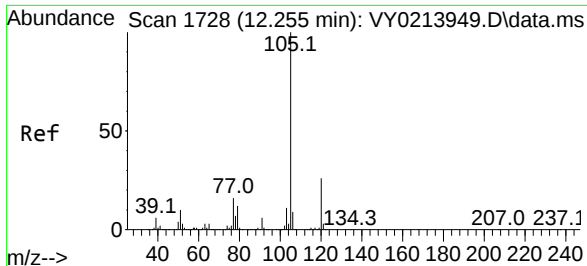
Ion Ratio Lower Upper

152 100

115 58.8 29.0 87.0

150 144.6 0.0 347.2





#73

Isopropylbenzene

Concen: 3.600 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY021412.D

Acq: 05 Mar 2025 14:58

Instrument :

MSVOA_Y

ClientSampleId :

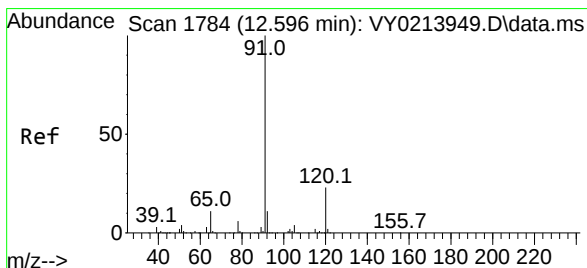
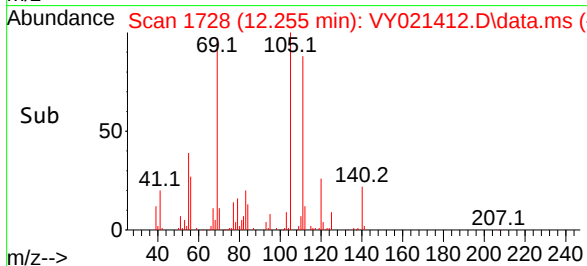
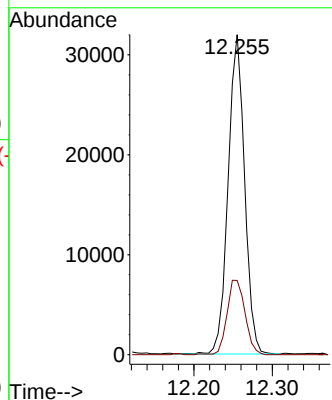
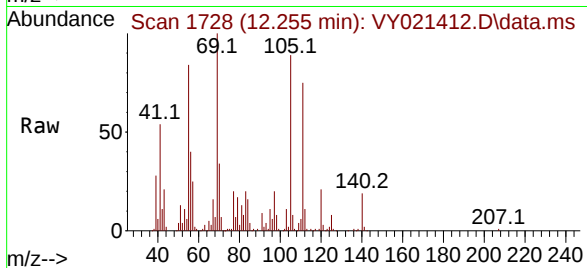
WC1

Tgt Ion:105 Resp: 46671

Ion Ratio Lower Upper

105 100

120 25.6 13.1 39.3



#78

n-propylbenzene

Concen: 8.814 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY021412.D

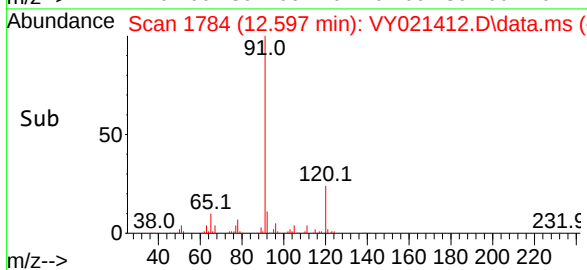
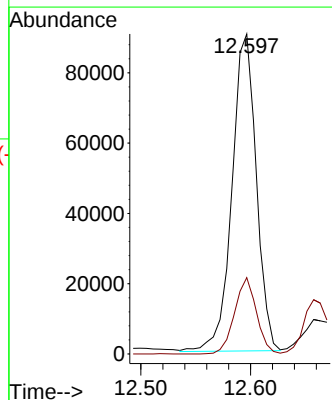
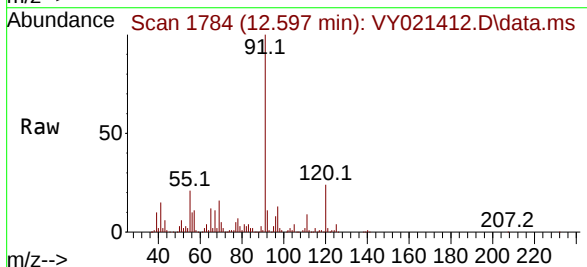
Acq: 05 Mar 2025 14:58

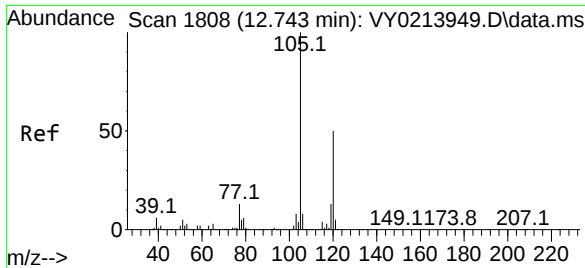
Tgt Ion: 91 Resp: 138761

Ion Ratio Lower Upper

91 100

120 21.7 11.3 33.8

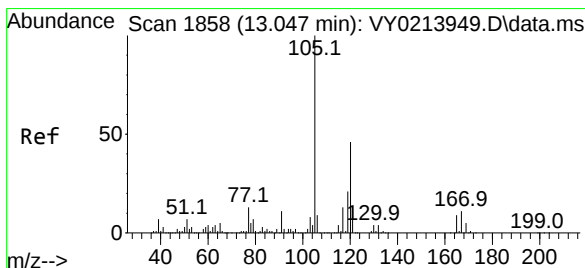
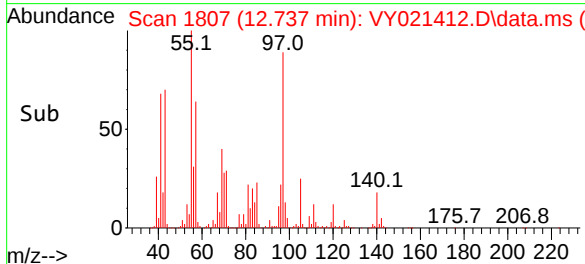
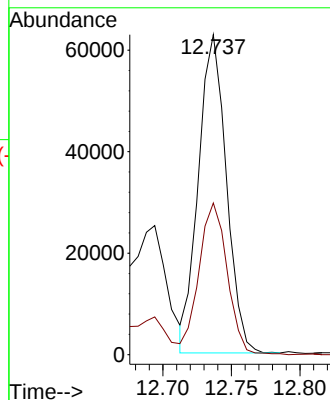
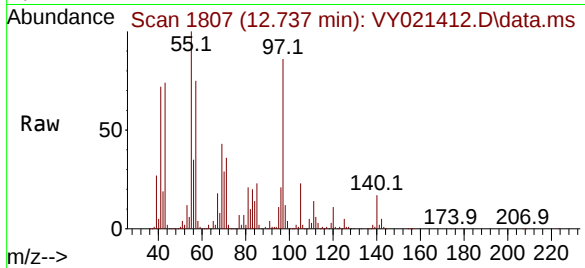




#80
 1,3,5-Trimethylbenzene
 Concen: 8.444 ug/l
 RT: 12.737 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VY021412.D
 Acq: 05 Mar 2025 14:58

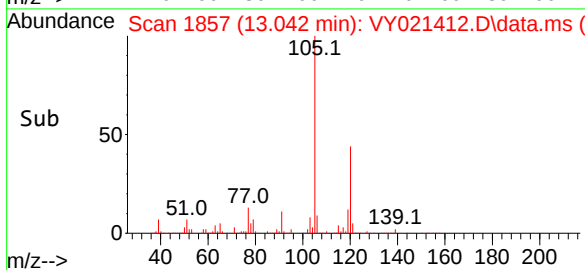
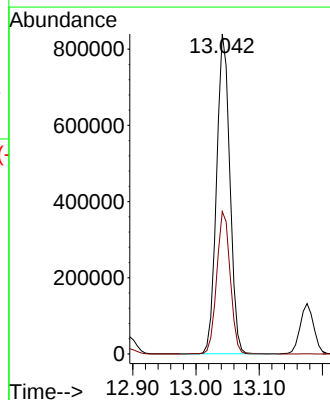
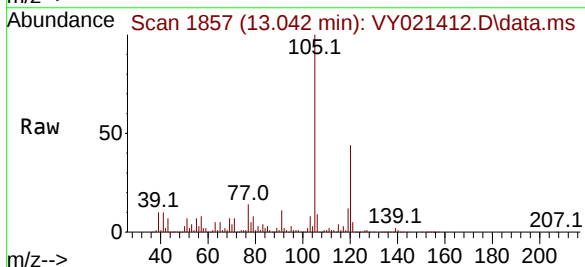
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC1

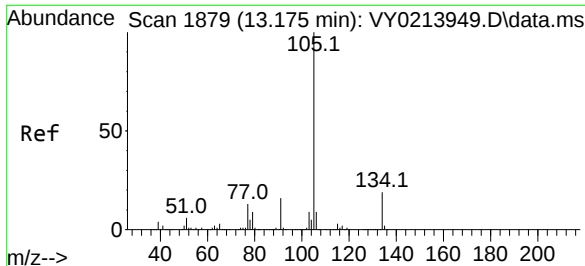
Tgt Ion:105 Resp: 88951
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.6 73.6



#84
 1,2,4-Trimethylbenzene
 Concen: 116.706 ug/l
 RT: 13.042 min Scan# 1857
 Delta R.T. -0.006 min
 Lab File: VY021412.D
 Acq: 05 Mar 2025 14:58

Tgt Ion:105 Resp: 1220706
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.7 68.1

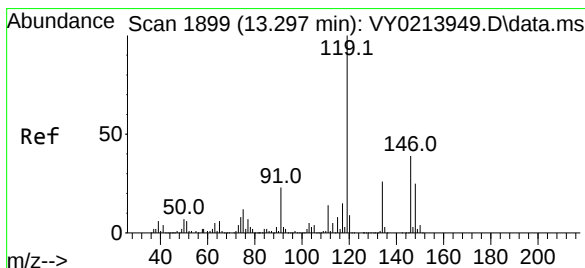
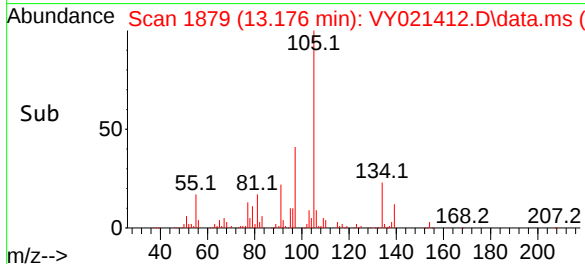
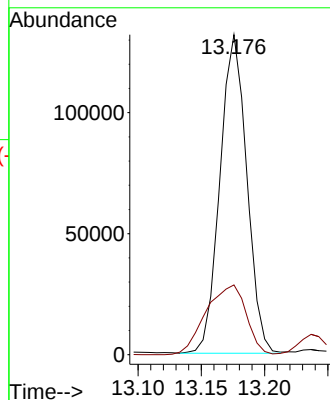
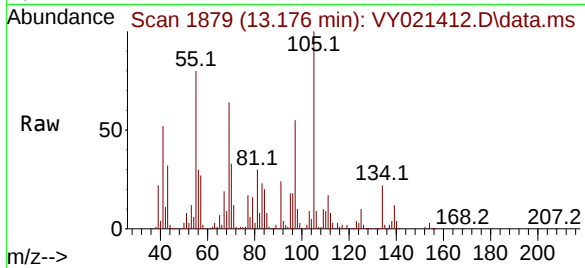




#85
 sec-Butylbenzene
 Concen: 13.887 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. 0.000 min
 Lab File: VY021412.D
 Acq: 05 Mar 2025 14:58

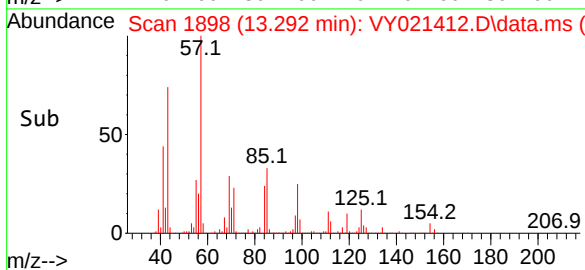
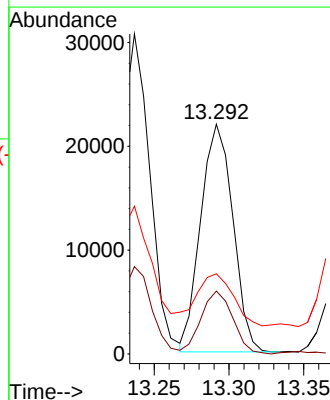
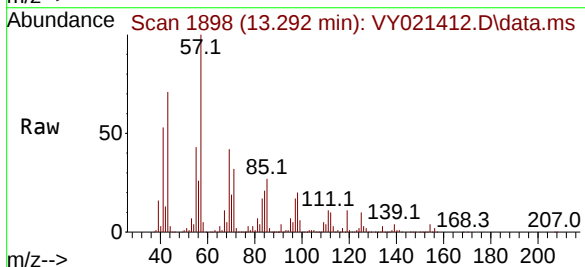
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC1

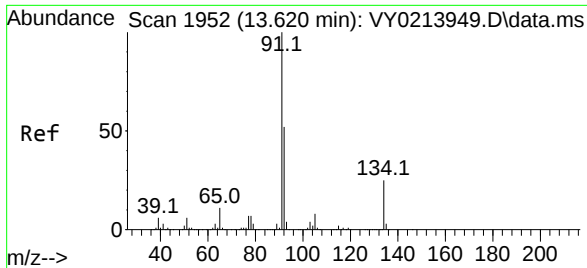
Tgt Ion:105 Resp: 194182
 Ion Ratio Lower Upper
 105 100
 134 32.8 9.9 29.7#



#86
 p-Isopropyltoluene
 Concen: 2.856 ug/l
 RT: 13.292 min Scan# 1898
 Delta R.T. -0.006 min
 Lab File: VY021412.D
 Acq: 05 Mar 2025 14:58

Tgt Ion:119 Resp: 32897
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.1 39.1
 91 24.5 12.2 36.6





#89

n-Butylbenzene

Concen: 23.083 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY021412.D

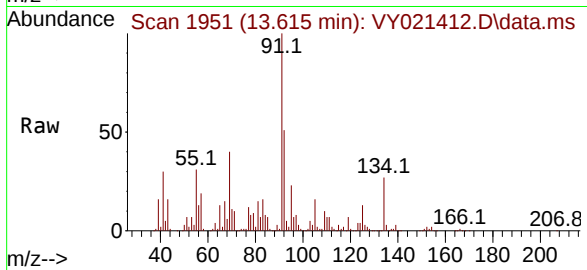
Acq: 05 Mar 2025 14:58

Instrument :

MSVOA_Y

ClientSampleId :

WC1



Tgt Ion:	91	Resp:	245543
Ion	Ratio	Lower	Upper
91	100		
92	45.9	26.1	78.3
134	56.0	12.6	37.8

