

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120924\
 Data File : VW031172.D
 Acq On : 09 Dec 2024 19:27
 Operator : SY/MD
 Sample : P5153-05
 Misc : 3.8g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 10 01:15:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120424SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Dec 10 01:12:15 2024
 Response via : Initial Calibration

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

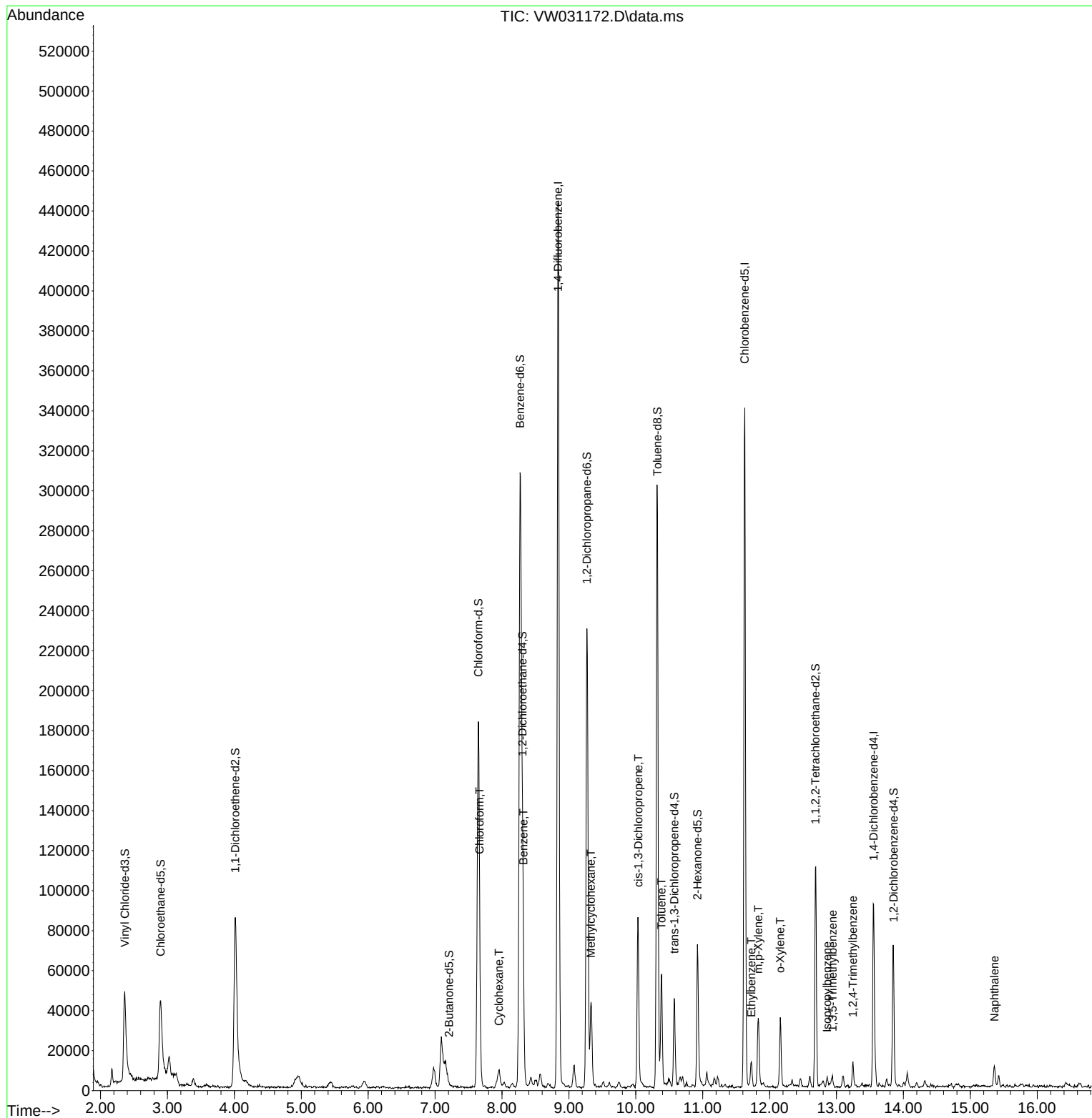
Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	330249	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.629	117	170728	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	21605	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	79017	15.548	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	62.200%
7) Chloroethane-d5	2.899	69	68833	17.457	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.840%
11) 1,1-Dichloroethene-d2	4.015	65	34167	14.735	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.960%
21) 2-Butanone-d5	7.209	46	525	0.591	ug/L	0.12
Spiked Amount	50.000	Range	20 - 135	Recovery	=	1.180%#
24) Chloroform-d	7.648	84	185690	19.198	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	76.800%
26) 1,2-Dichloroethane-d4	8.307	65	101161	21.254	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.000%
32) Benzene-d6	8.270	84	301684	28.750	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	115.000%
36) 1,2-Dichloropropane-d6	9.270	67	108580	35.325	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	141.320%#
41) Toluene-d8	10.325	98	192756	20.355	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.400%
43) trans-1,3-Dichloroprop...	10.575	79	24608	19.886	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.560%
47) 2-Hexanone-d5	10.922	63	22262	61.819	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.640%
56) 1,1,2,2-Tetrachloroeth...	12.684	84	55738	26.869	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.480%
66) 1,2-Dichlorobenzene-d4	13.854	152	16531	21.542	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.160%
Target Compounds						
					Qvalue	
25) Chloroform	7.666	83	5557	0.583	ug/L	94
29) Cyclohexane	7.953	56	4479	1.042	ug/L #	83
33) Benzene	8.319	78	11222	0.972	ug/L	100
35) Methylcyclohexane	9.331	83	13887	2.740	ug/L #	81
39) cis-1,3-Dichloropropene	10.038	75	2455	0.566	ug/L #	58
42) Toluene	10.386	91	38982	3.205	ug/L	99
52) Ethylbenzene	11.727	91	7204	0.523	ug/L	89
53) m,p-Xylene	11.830	106	9525	1.857	ug/L	93
54) o-Xylene	12.160	106	7685	1.611	ug/L	93
60) Isopropylbenzene	12.861	105	2677	0.768	ug/L	92
62) 1,3,5-Trimethylbenzene	12.940	105	1834	0.668	ug/L	92
63) 1,2,4-Trimethylbenzene	13.245	105	6125	2.270	ug/L	95
71) Naphthalene	15.360	128	7558	5.789	ug/L #	93

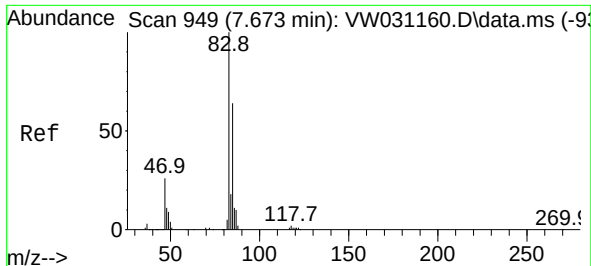
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
QLast Update : Tue Dec 10 01:12:15 2024
Response via : Initial Calibration





#25

Chloroform

Concen: 0.583 ug/L

RT: 7.666 min Scan# 948

Delta R.T. -0.006 min

Lab File: VW031172.D

Acq: 09 Dec 2024 19:27

Instrument :

MSVOA_W

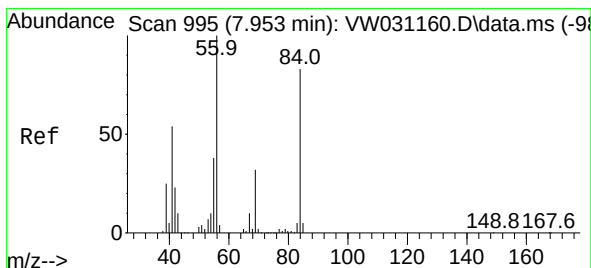
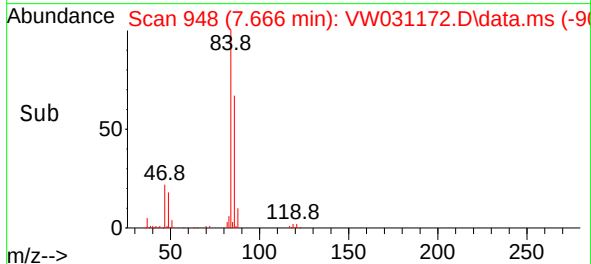
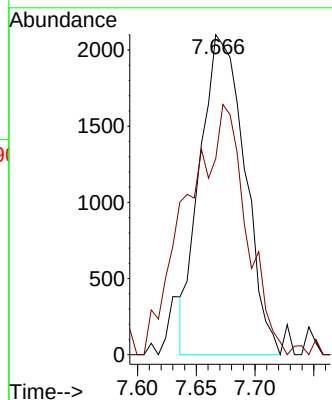
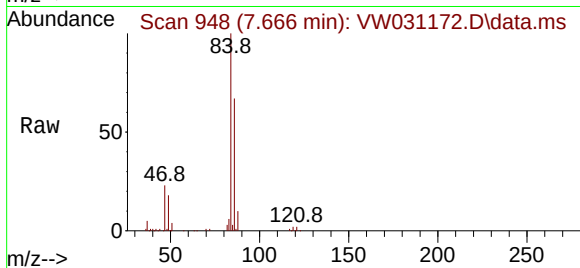
ClientSampleId :

Tgt Ion: 83 Resp: 5557

Ion Ratio Lower Upper

83 100

85 61.3 46.5 86.3



#29

Cyclohexane

Concen: 1.042 ug/L

RT: 7.953 min Scan# 995

Delta R.T. -0.000 min

Lab File: VW031172.D

Acq: 09 Dec 2024 19:27

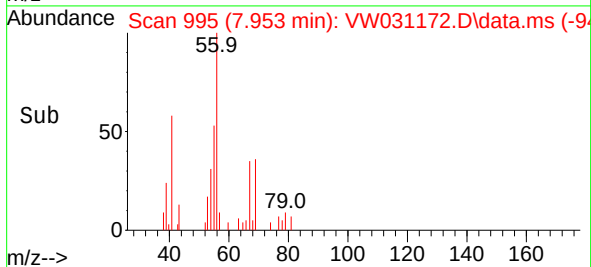
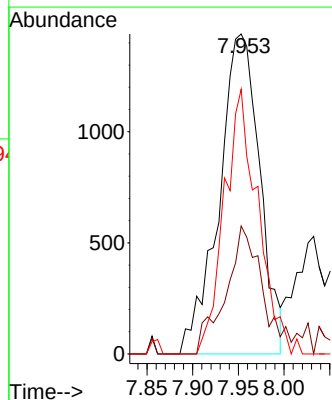
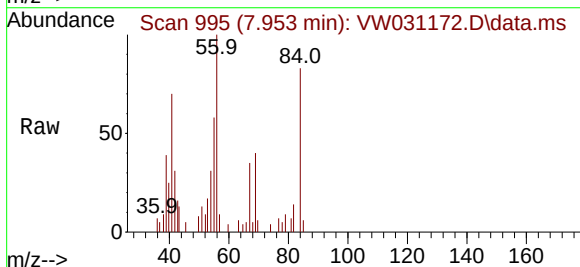
Tgt Ion: 56 Resp: 4479

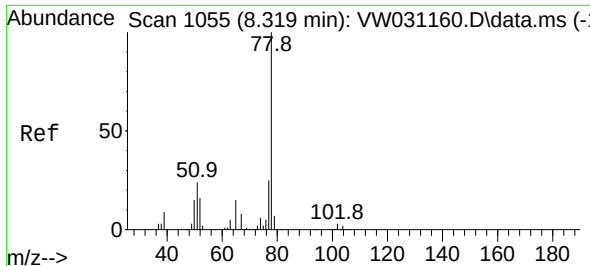
Ion Ratio Lower Upper

56 100

69 32.2 25.4 38.2

84 67.7 71.1 106.7#

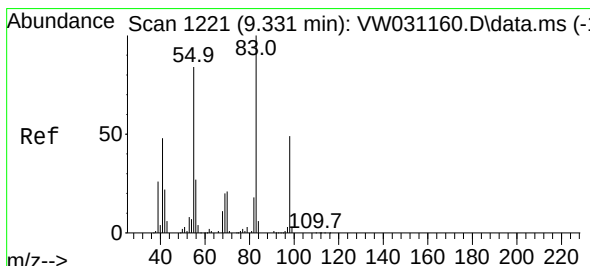
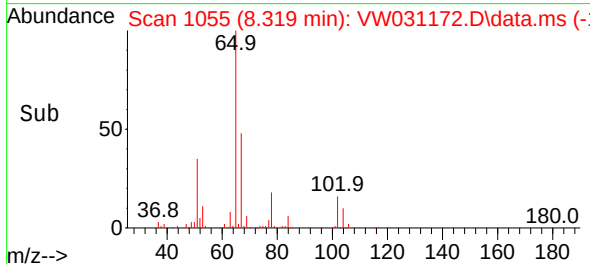
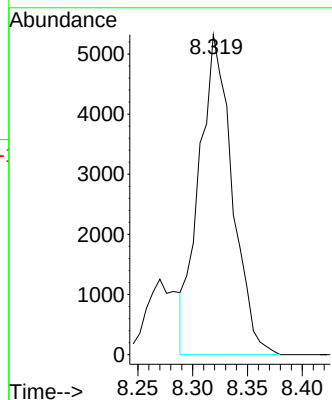
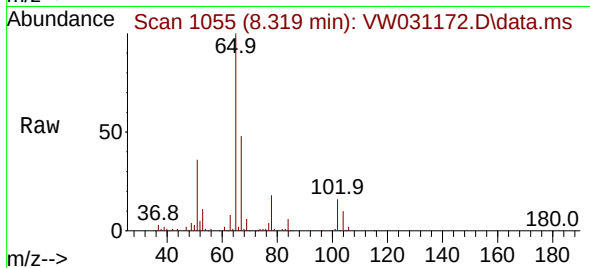




#33
Benzene
Concen: 0.972 ug/L
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW031172.D
Acq: 09 Dec 2024 19:27

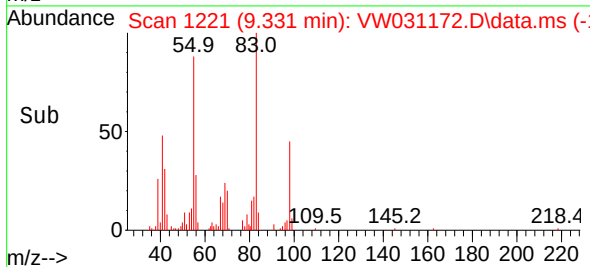
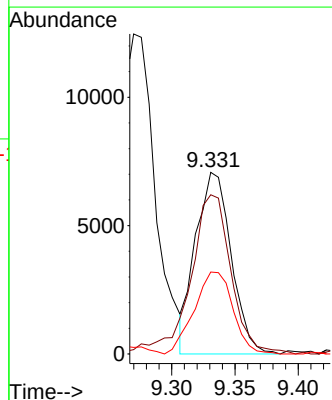
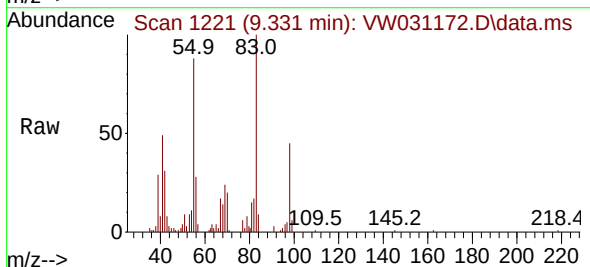
Instrument :
MSVOA_W
ClientSampleId :

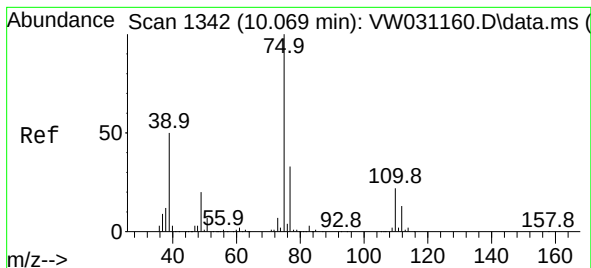
Tgt Ion: 78 Resp: 11222



#35
Methylcyclohexane
Concen: 2.740 ug/L
RT: 9.331 min Scan# 1221
Delta R.T. -0.000 min
Lab File: VW031172.D
Acq: 09 Dec 2024 19:27

Tgt Ion: 83 Resp: 13887
Ion Ratio Lower Upper
83 100
55 100.5 59.5 89.3#
98 48.9 38.7 58.1





#39

cis-1,3-Dichloropropene

Concen: 0.566 ug/L

RT: 10.038 min Scan# 1337

Delta R.T. -0.031 min

Lab File: VW031172.D

Acq: 09 Dec 2024 19:27

Instrument :

MSVOA_W

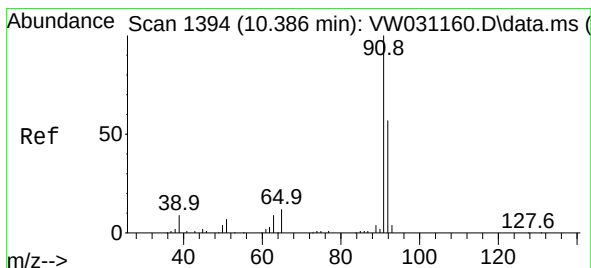
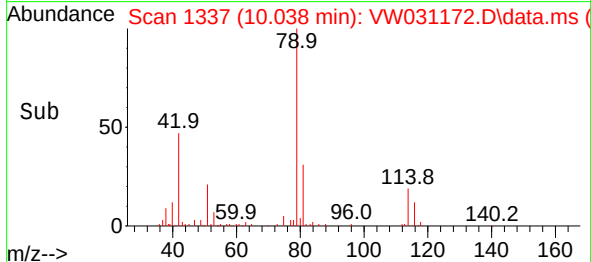
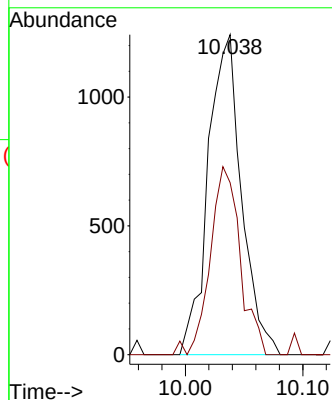
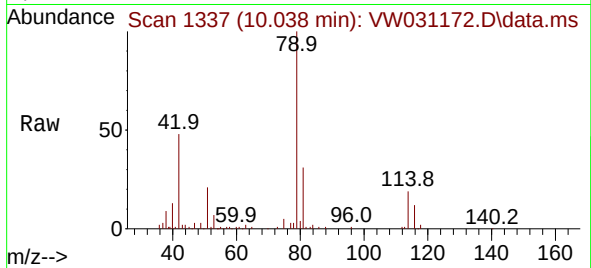
ClientSampleId :

Tgt Ion: 75 Resp: 2455

Ion Ratio Lower Upper

75 100

77 53.8 21.6 40.2#



#42

Toluene

Concen: 3.205 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. -0.000 min

Lab File: VW031172.D

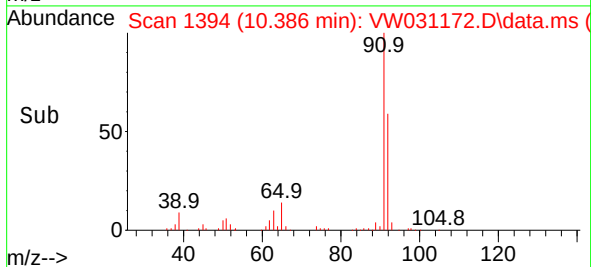
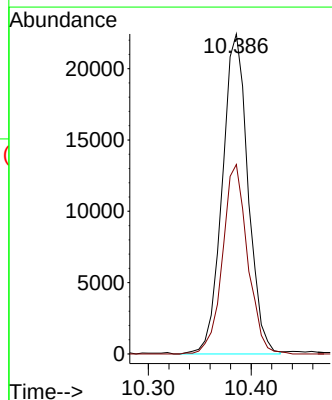
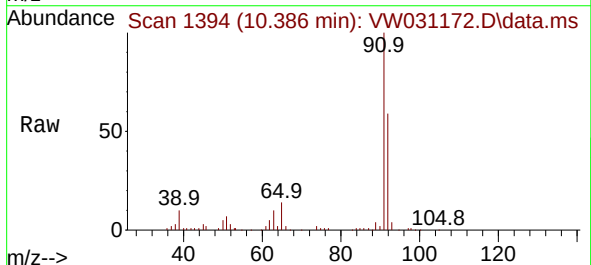
Acq: 09 Dec 2024 19:27

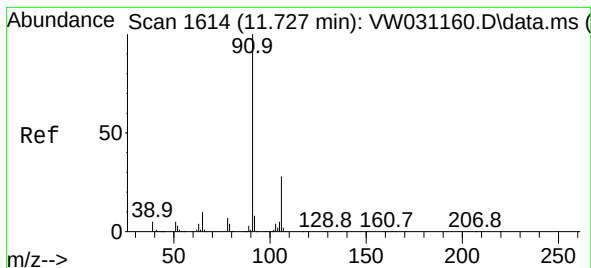
Tgt Ion: 91 Resp: 38982

Ion Ratio Lower Upper

91 100

92 59.2 40.8 75.8





#52

Ethylbenzene

Concen: 0.523 ug/L

RT: 11.727 min Scan# 1614

Delta R.T. -0.000 min

Lab File: VW031172.D

Acq: 09 Dec 2024 19:27

Instrument :

MSVOA_W

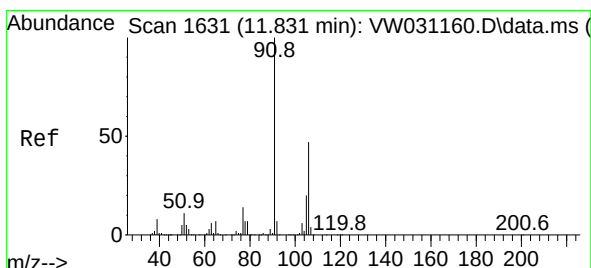
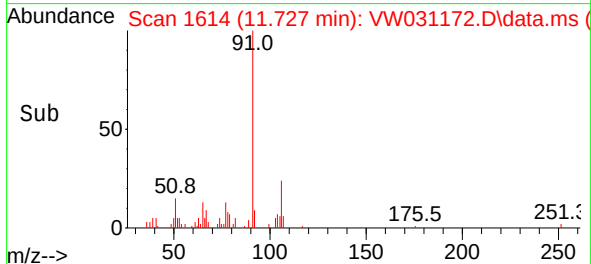
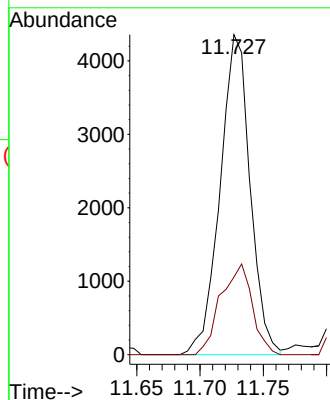
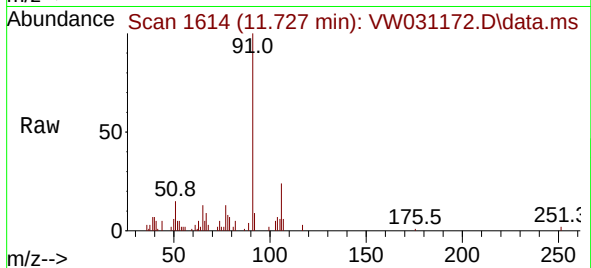
ClientSampleId :

Tgt Ion: 91 Resp: 7204

Ion Ratio Lower Upper

91 100

106 24.2 21.3 39.5



#53

m,p-Xylene

Concen: 1.857 ug/L

RT: 11.830 min Scan# 1631

Delta R.T. -0.000 min

Lab File: VW031172.D

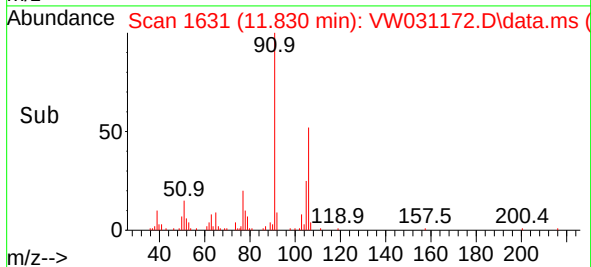
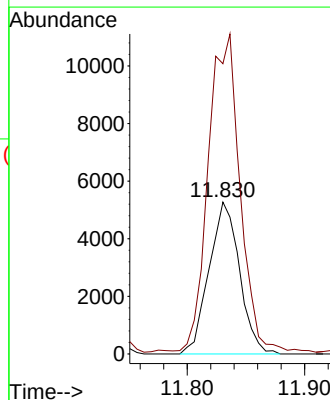
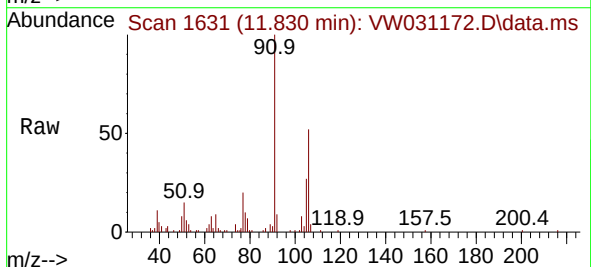
Acq: 09 Dec 2024 19:27

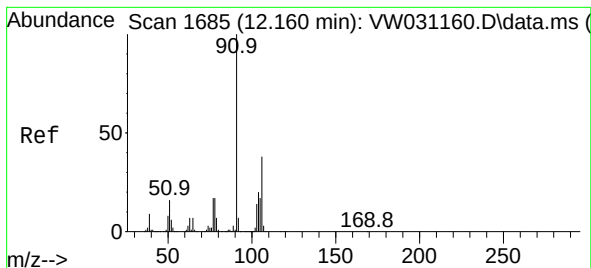
Tgt Ion:106 Resp: 9525

Ion Ratio Lower Upper

106 100

91 191.1 140.9 261.7





#54

o-Xylene

Concen: 1.611 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW031172.D

Acq: 09 Dec 2024 19:27

Instrument :

MSVOA_W

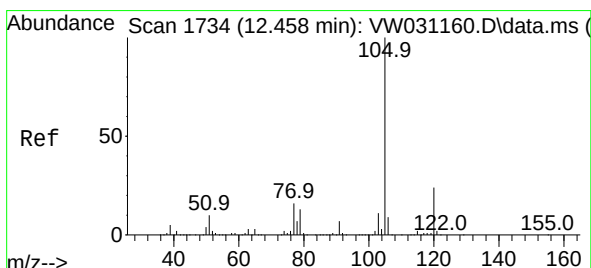
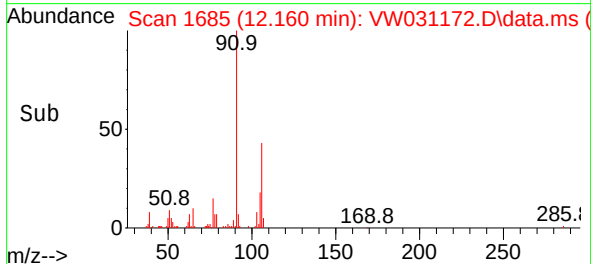
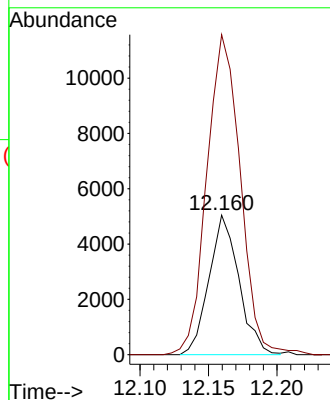
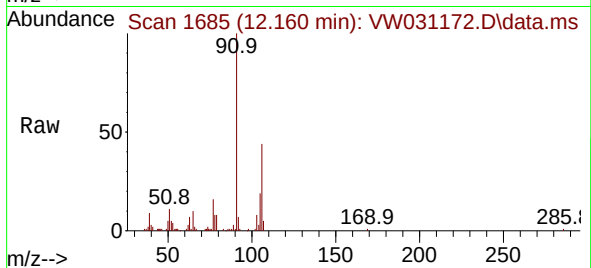
ClientSampleId :

Tgt Ion:106 Resp: 7685

Ion Ratio Lower Upper

106 100

91 229.4 152.7 283.5



#60

Isopropylbenzene

Concen: 0.768 ug/L

RT: 12.861 min Scan# 1800

Delta R.T. 0.402 min

Lab File: VW031172.D

Acq: 09 Dec 2024 19:27

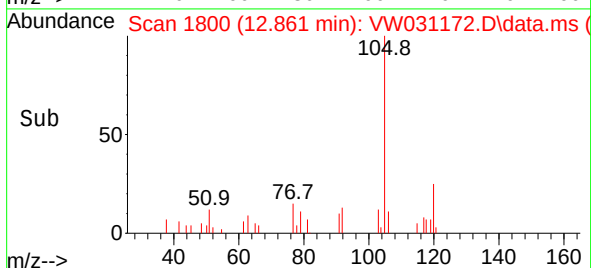
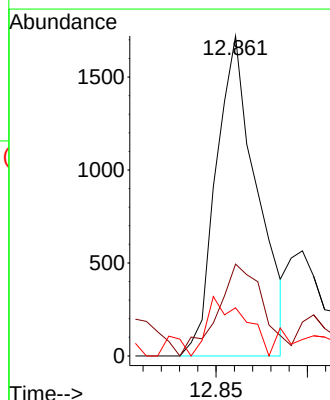
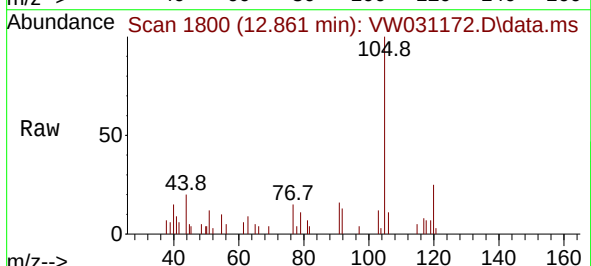
Tgt Ion:105 Resp: 2677

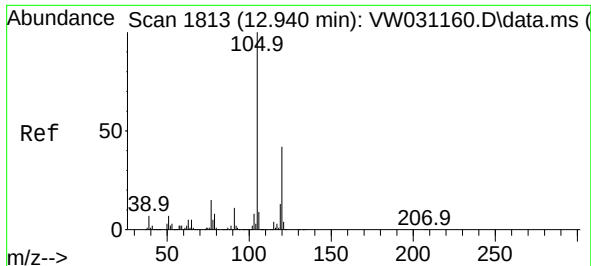
Ion Ratio Lower Upper

105 100

120 32.2 21.5 32.3

77 16.8 12.3 18.5

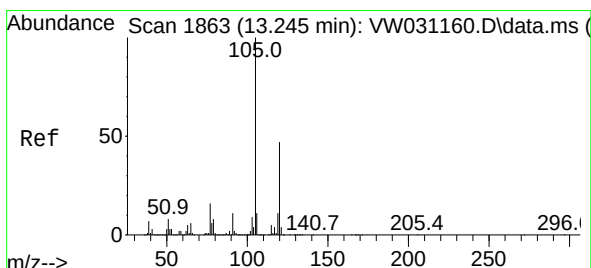
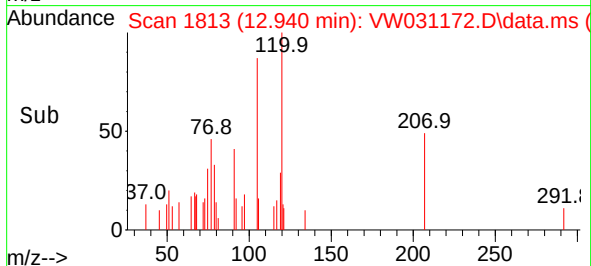
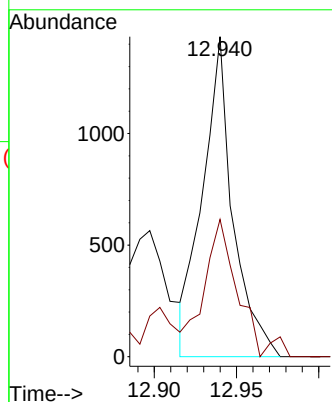
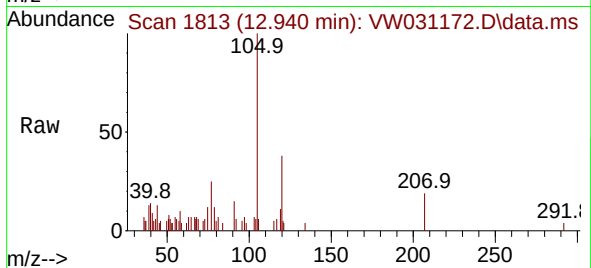




#62
1,3,5-Trimethylbenzene
Concen: 0.668 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW031172.D
Acq: 09 Dec 2024 19:27

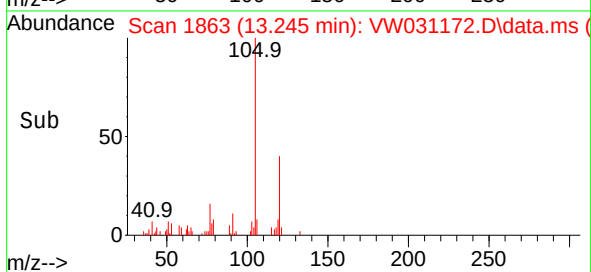
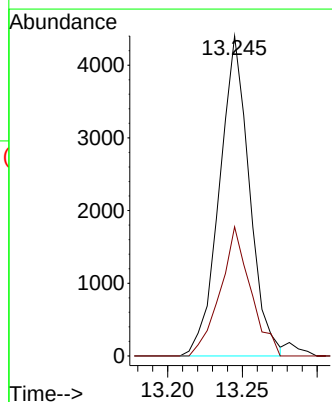
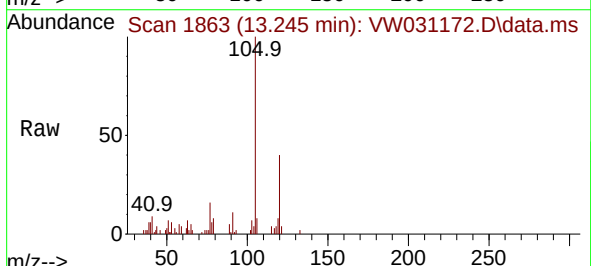
Instrument :
MSVOA_W
ClientSampleId :

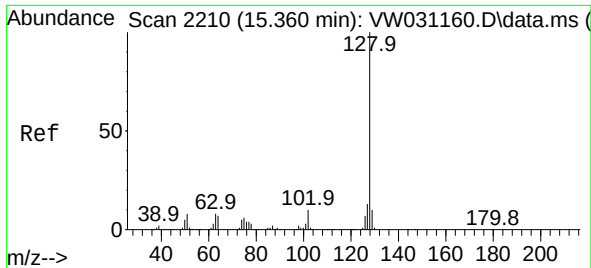
Tgt Ion:105 Resp: 1834
Ion Ratio Lower Upper
105 100
120 45.4 40.5 60.7



#63
1,2,4-Trimethylbenzene
Concen: 2.270 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW031172.D
Acq: 09 Dec 2024 19:27

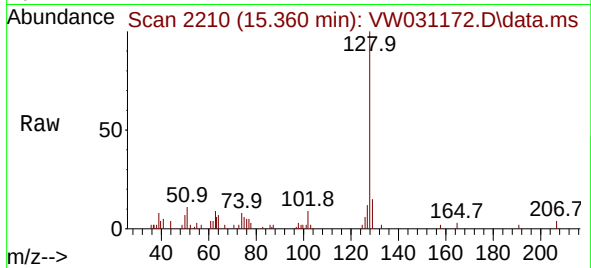
Tgt Ion:105 Resp: 6125
Ion Ratio Lower Upper
105 100
120 40.9 35.4 53.0





#71
Naphthalene
Concen: 5.789 ug/L
RT: 15.360 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW031172.D
Acq: 09 Dec 2024 19:27

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:128 Resp: 7558
Ion Ratio Lower Upper
128 100
127 16.2 10.4 15.6#
129 12.9 8.3 12.5#

