

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101823\
 Data File : VW027323.D
 Acq On : 18 Oct 2023 12:25
 Operator : SY/MD
 Sample : 04922-01RE
 Misc : 6.14g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

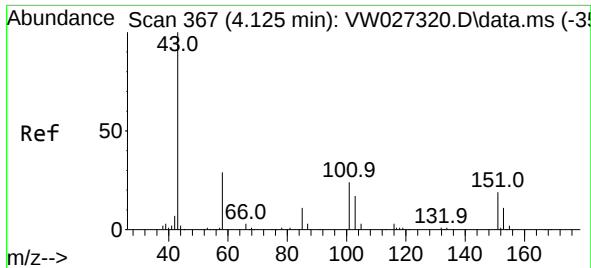
Quant Time: Oct 18 22:22:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Oct 18 22:20:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	624673	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	481289	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	162518	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	159341	16.714	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.840%
7) Chloroethane-d5	2.893	69	127119	18.570	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.280%
11) 1,1-Dichloroethene-d2	4.021	65	83059	17.387	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.560%
21) 2-Butanone-d5	7.075	46	117837	37.188	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.380%
24) Chloroform-d	7.648	84	355881	19.115	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	76.440%
26) 1,2-Dichloroethane-d4	8.307	65	184991	18.497	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	74.000%
32) Benzene-d6	8.270	84	729135	22.392	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.560%
36) 1,2-Dichloropropane-d6	9.270	67	234692	23.597	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.400%
41) Toluene-d8	10.325	98	586491	19.862	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	79.440%
43) trans-1,3-Dichloroprop...	10.575	79	83171	18.341	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.360%
47) 2-Hexanone-d5	10.922	63	93097	45.242	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.480%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	150945	20.342	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.360%
66) 1,2-Dichlorobenzene-d4	13.855	152	108615	18.443	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	73.760%#
Target Compounds	Qvalue					
13) Acetone	4.125	43	44896	16.404	ug/L	98
22) 2-Butanone	7.179	43	16734	4.085	ug/L	98
29) Cyclohexane	7.953	56	85906	5.879	ug/L #	85
33) Benzene	8.325	78	619618	19.699	ug/L	100
35) Methylcyclohexane	9.331	83	138141	9.297	ug/L #	71
38) Bromodichloromethane	9.617	83	12240	1.170	ug/L #	25
42) Toluene	10.386	91	77877	2.360	ug/L	99
51) Chlorobenzene	11.654	112	192591	9.321	ug/L	98
52) Ethylbenzene	11.727	91	27395	0.714	ug/L	98
53) m,p-Xylene	11.843	106	73291	5.040	ug/L	98
54) o-Xylene	12.166	106	92127	6.615	ug/L	98
60) Isopropylbenzene	12.458	105	42184	1.652	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	43148	2.026	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	107884	5.178	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.446	75	1054	1.188	ug/L #	12
71) Naphthalene	15.360	128	46381	3.943	ug/L	96

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

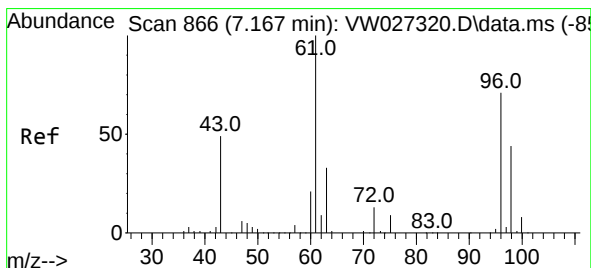
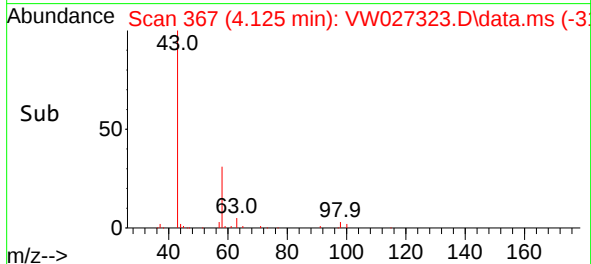
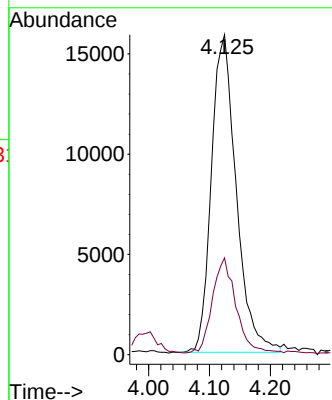
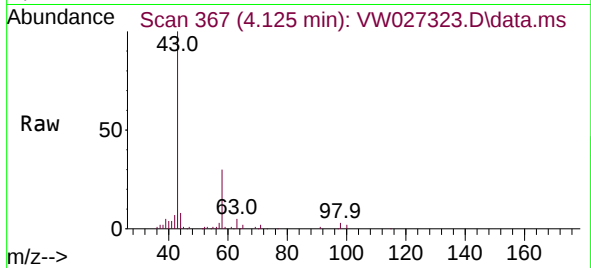
Instrument :
MSVOA_W
ClientSampleId :



#13
Acetone
Concen: 16.404 ug/L
RT: 4.125 min Scan# 367
Delta R.T. -0.000 min
Lab File: VW027323.D
Acq: 18 Oct 2023 12:25

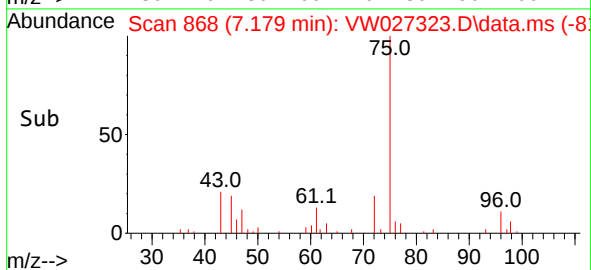
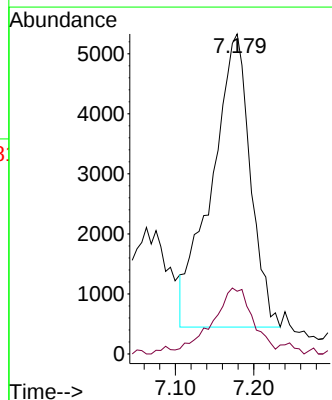
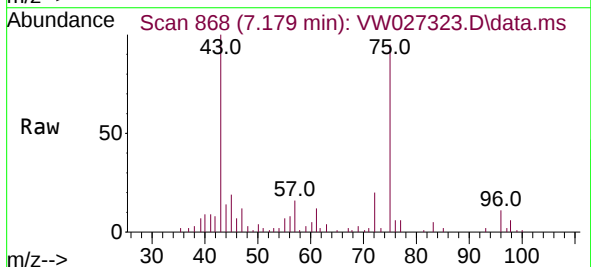
Instrument :
MSVOA_W
ClientSampleId :

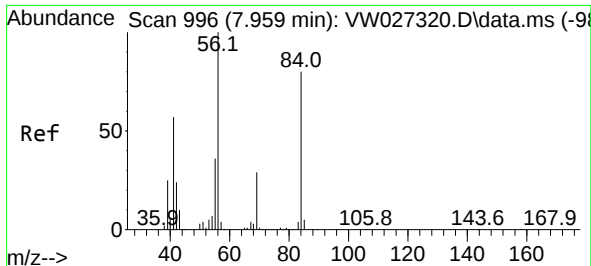
Tgt Ion: 43 Resp: 44896
Ion Ratio Lower Upper
43 100
58 29.6 0.0 60.8



#22
2-Butanone
Concen: 4.085 ug/L
RT: 7.179 min Scan# 868
Delta R.T. 0.012 min
Lab File: VW027323.D
Acq: 18 Oct 2023 12:25

Tgt Ion: 43 Resp: 16734
Ion Ratio Lower Upper
43 100
72 23.7 12.3 36.8





#29

Cyclohexane

Concen: 5.879 ug/L

RT: 7.953 min Scan# 996

Delta R.T. -0.006 min

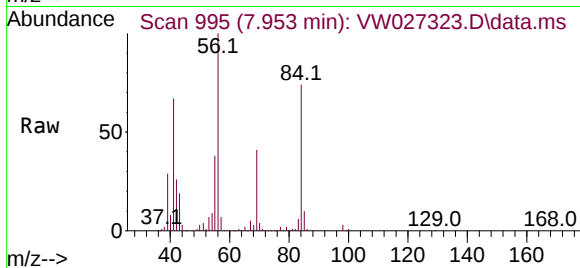
Lab File: VW027323.D

Acq: 18 Oct 2023 12:25

Instrument :

MSVOA_W

ClientSampleId :



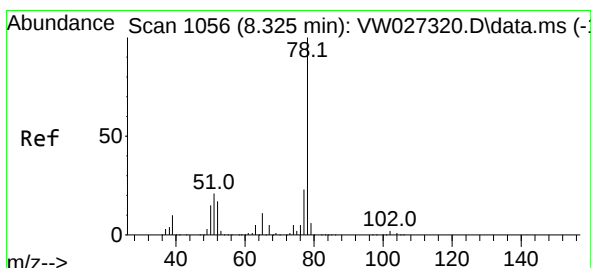
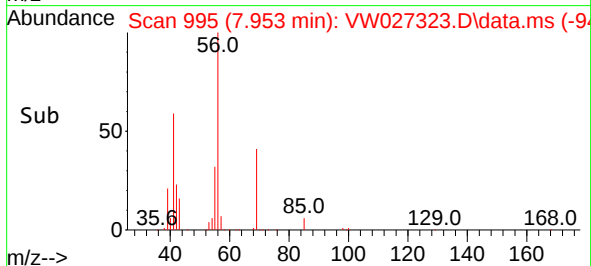
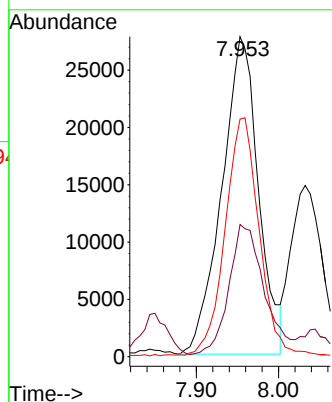
Tgt Ion: 56 Resp: 85906

Ion Ratio Lower Upper

56 100

69 39.5 24.2 36.4#

84 68.4 65.1 97.7



#33

Benzene

Concen: 19.699 ug/L

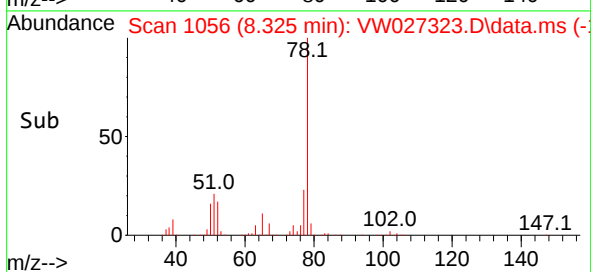
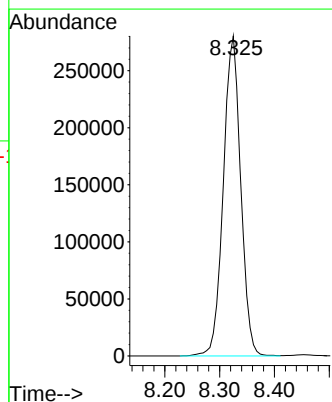
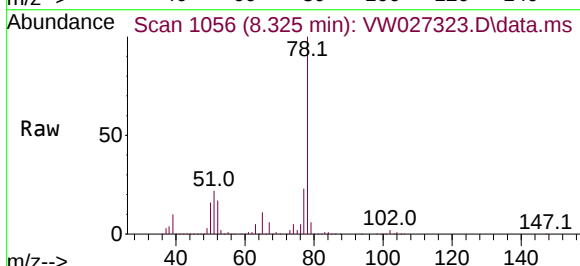
RT: 8.325 min Scan# 1056

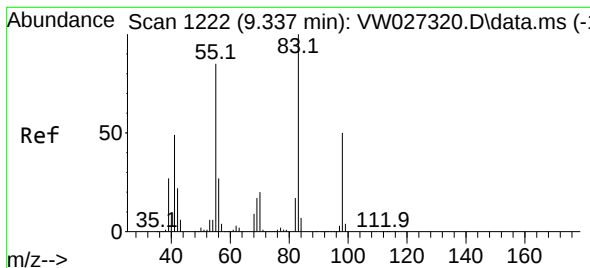
Delta R.T. -0.000 min

Lab File: VW027323.D

Acq: 18 Oct 2023 12:25

Tgt Ion: 78 Resp: 619618





#35

Methylcyclohexane

Concen: 9.297 ug/L

RT: 9.331 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW027323.D

Acq: 18 Oct 2023 12:25

Instrument :

MSVOA_W

ClientSampleId :

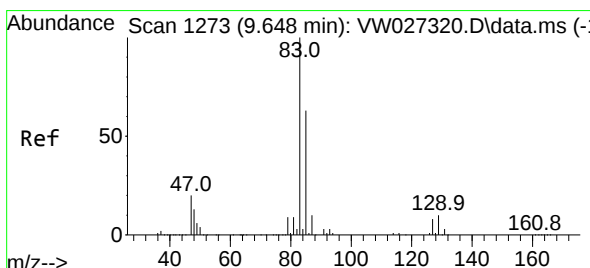
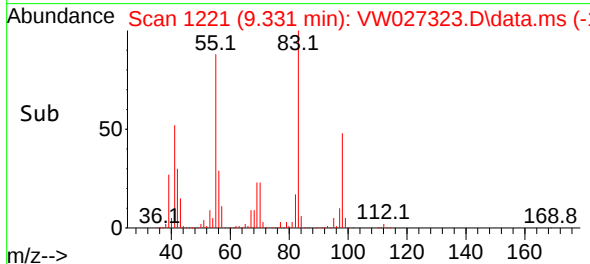
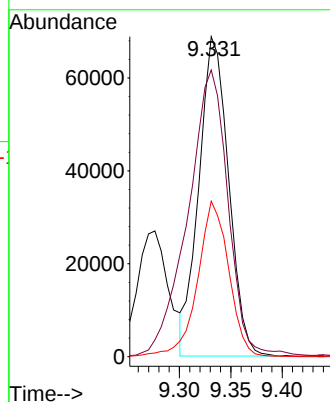
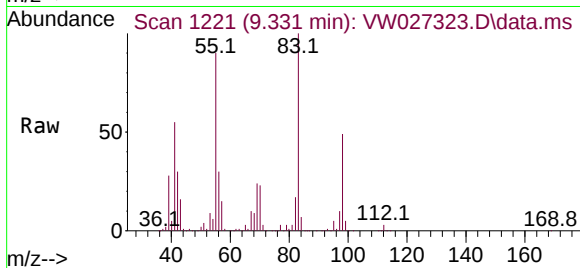
Tgt Ion: 83 Resp: 138141

Ion Ratio Lower Upper

83 100

55 120.3 65.8 98.8#

98 51.4 38.1 57.1



#38

Bromodichloromethane

Concen: 1.170 ug/L

RT: 9.617 min Scan# 1268

Delta R.T. -0.031 min

Lab File: VW027323.D

Acq: 18 Oct 2023 12:25

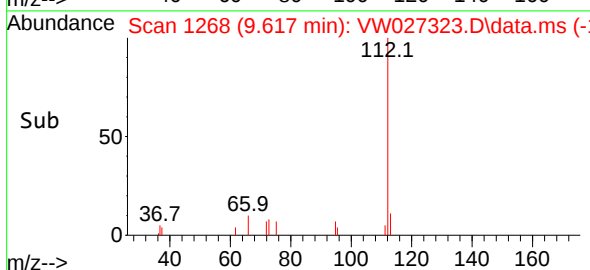
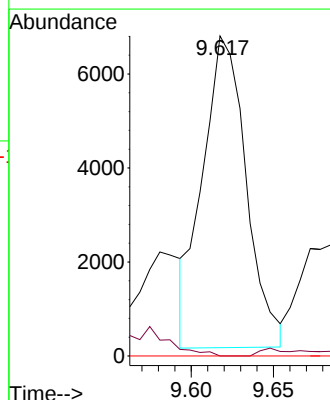
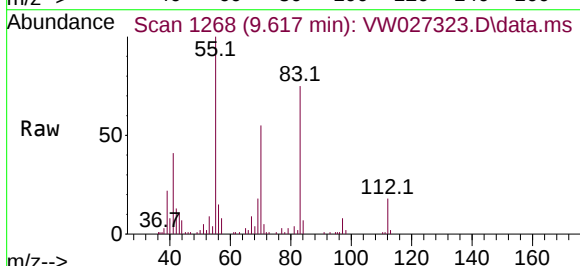
Tgt Ion: 83 Resp: 12240

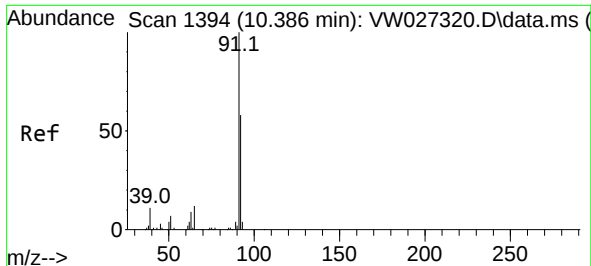
Ion Ratio Lower Upper

83 100

85 0.0 43.9 81.5#

127 0.0 6.2 9.2#

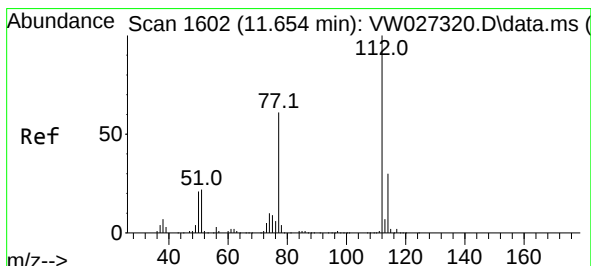
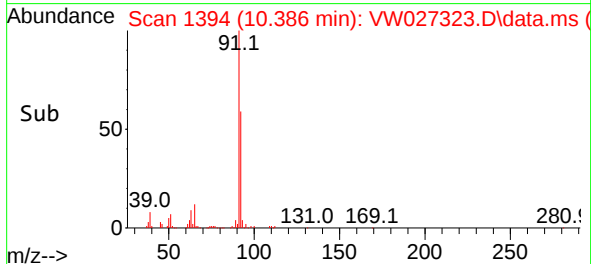
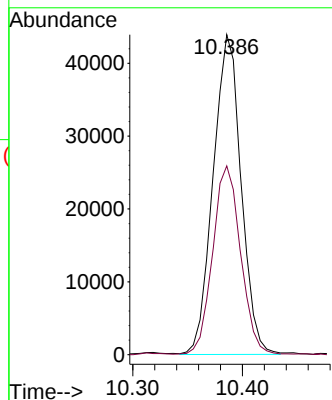
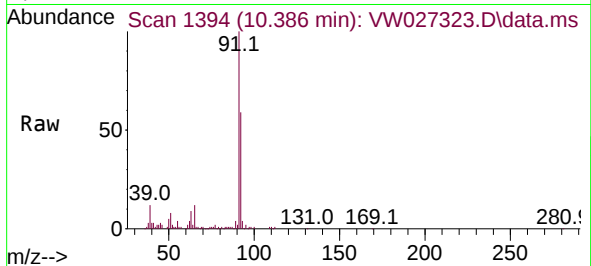




#42
Toluene
Concen: 2.360 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW027323.D
Acq: 18 Oct 2023 12:25

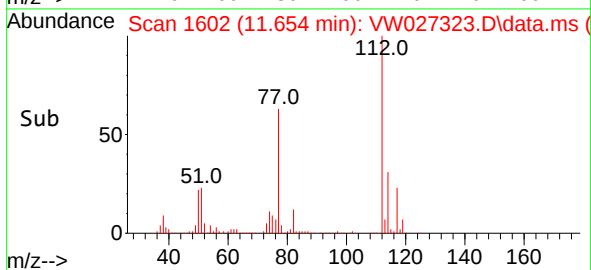
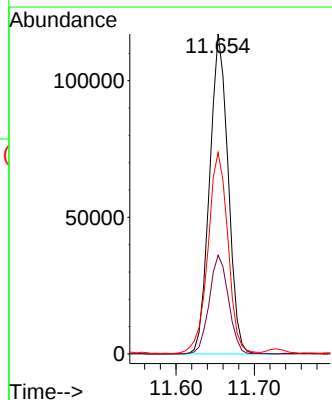
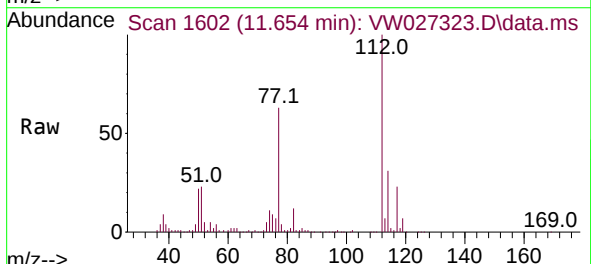
Instrument :
MSVOA_W
ClientSampleId :

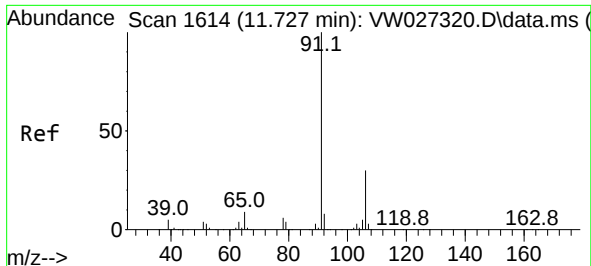
Tgt Ion: 91 Resp: 77877
Ion Ratio Lower Upper
91 100
92 59.0 42.1 78.1



#51
Chlorobenzene
Concen: 9.321 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VW027323.D
Acq: 18 Oct 2023 12:25

Tgt Ion: 112 Resp: 192591
Ion Ratio Lower Upper
112 100
114 30.8 21.8 40.6
77 63.0 52.2 78.4

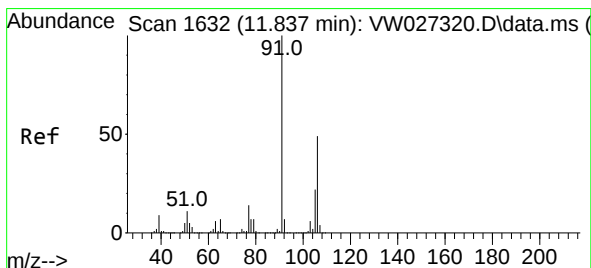
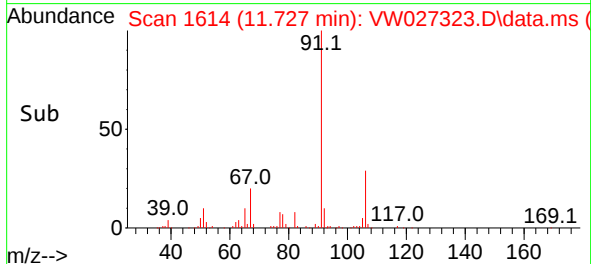
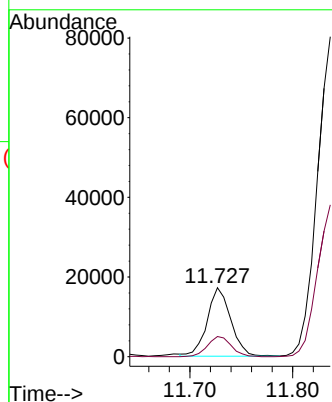
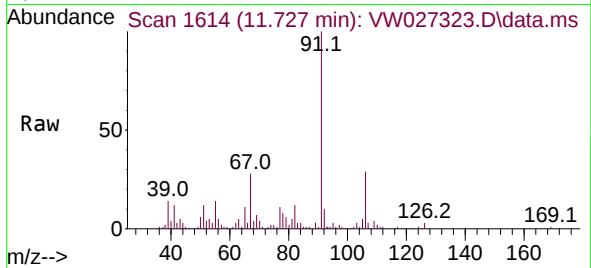




#52
Ethylbenzene
Concen: 0.714 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW027323.D
Acq: 18 Oct 2023 12:25

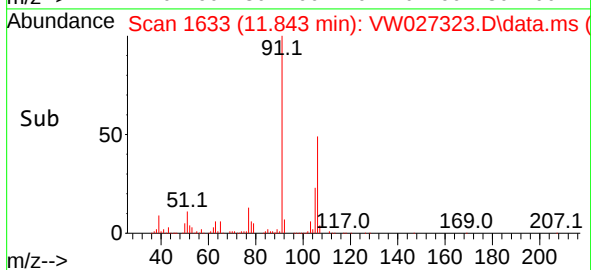
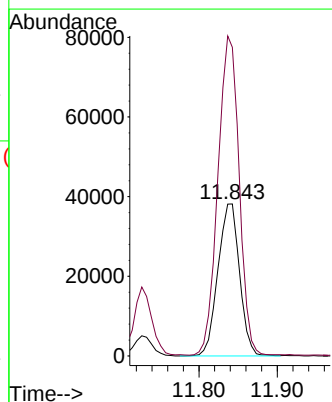
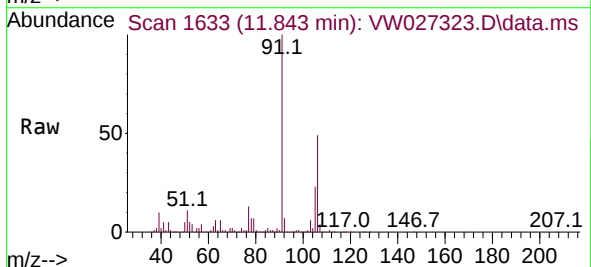
Instrument :
MSVOA_W
ClientSampleId :

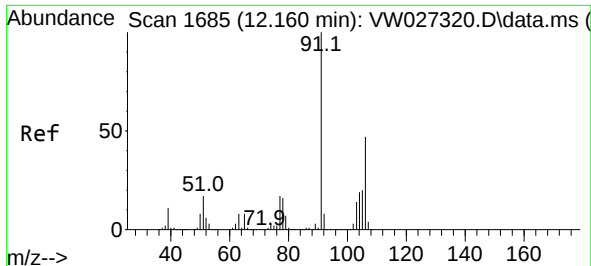
Tgt Ion: 91 Resp: 27395
Ion Ratio Lower Upper
91 100
106 29.1 19.8 36.8



#53
m,p-Xylene
Concen: 5.040 ug/L
RT: 11.843 min Scan# 1633
Delta R.T. 0.006 min
Lab File: VW027323.D
Acq: 18 Oct 2023 12:25

Tgt Ion:106 Resp: 73291
Ion Ratio Lower Upper
106 100
91 203.0 144.5 268.4

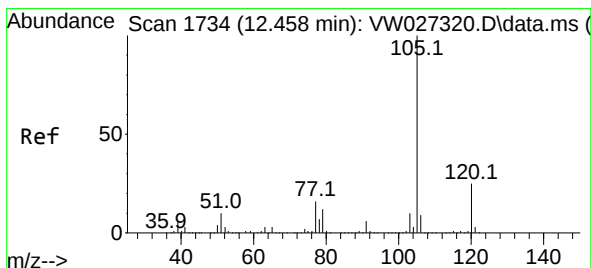
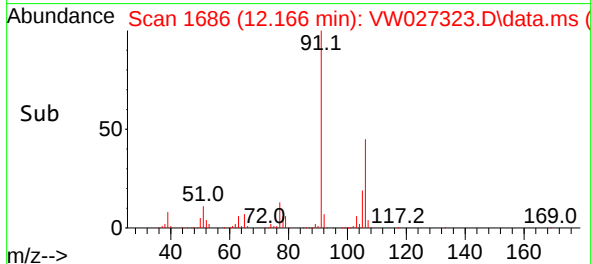
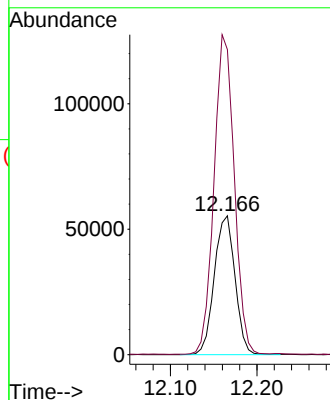
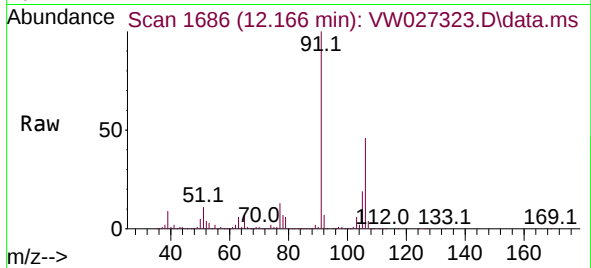




#54
o-Xylene
Concen: 6.615 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VW027323.D
Acq: 18 Oct 2023 12:25

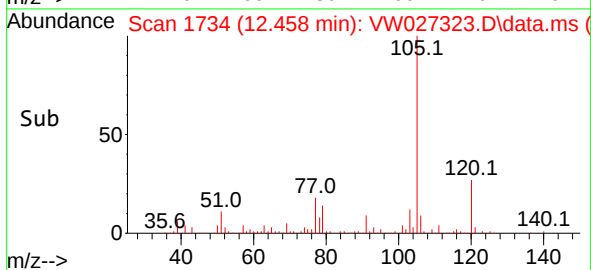
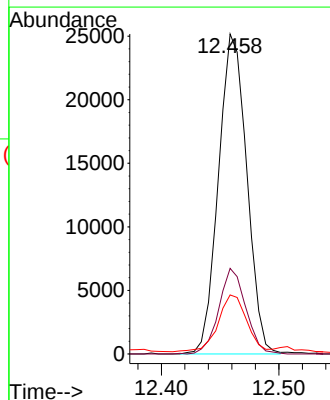
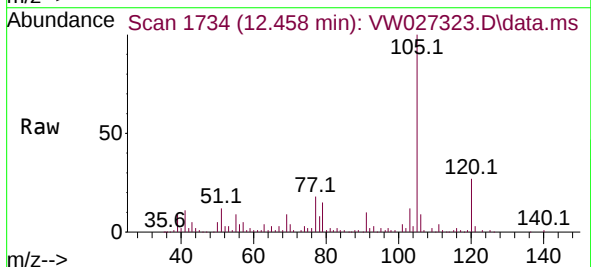
Instrument :
MSVOA_W
ClientSampleId :

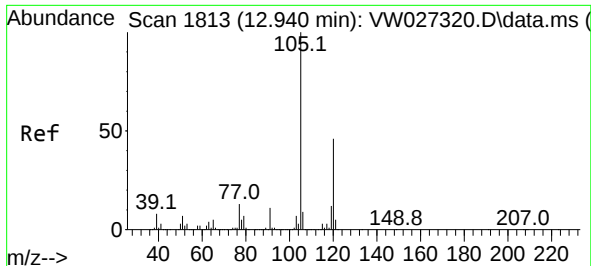
Tgt Ion:106 Resp: 92127
Ion Ratio Lower Upper
106 100
91 219.7 152.0 282.2



#60
Isopropylbenzene
Concen: 1.652 ug/L
RT: 12.458 min Scan# 1734
Delta R.T. -0.000 min
Lab File: VW027323.D
Acq: 18 Oct 2023 12:25

Tgt Ion:105 Resp: 42184
Ion Ratio Lower Upper
105 100
120 25.4 20.1 30.1
77 17.7 12.9 19.3





#62

1,3,5-Trimethylbenzene

Concen: 2.026 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW027323.D

Acq: 18 Oct 2023 12:25

Instrument :

MSVOA_W

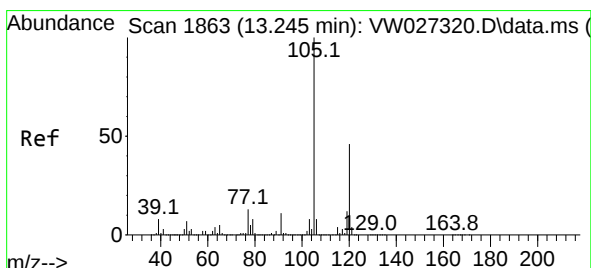
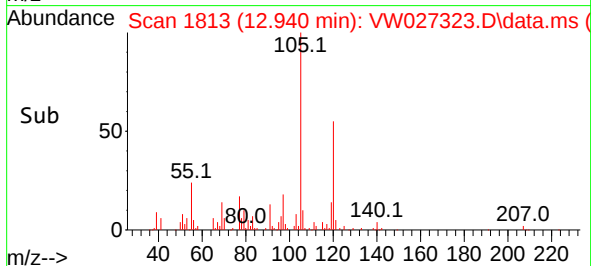
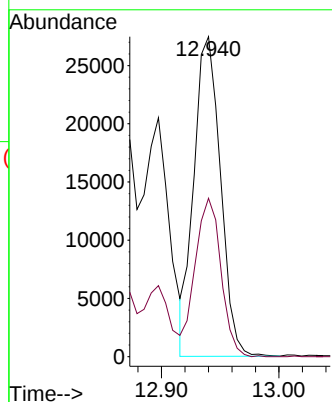
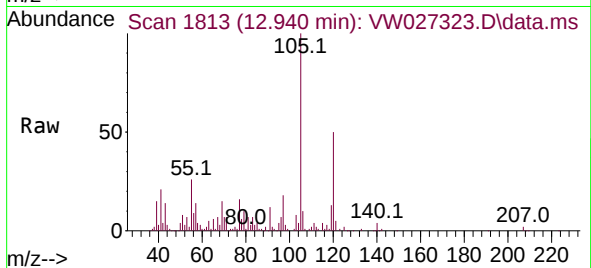
ClientSampleId :

Tgt Ion:105 Resp: 43148

Ion Ratio Lower Upper

105 100

120 48.1 38.8 58.2



#63

1,2,4-Trimethylbenzene

Concen: 5.178 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW027323.D

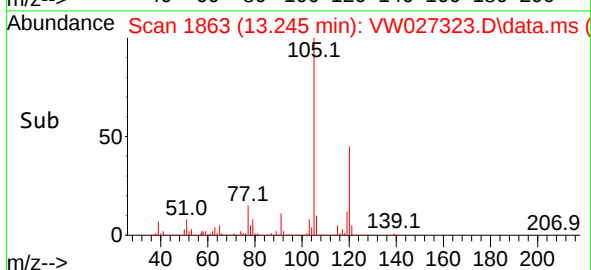
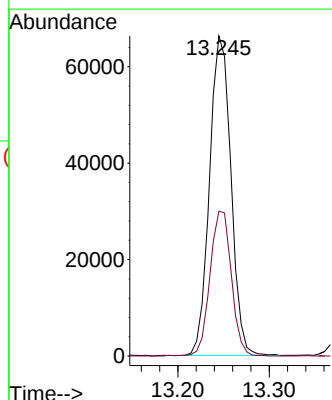
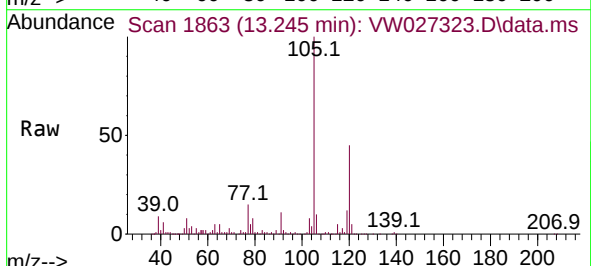
Acq: 18 Oct 2023 12:25

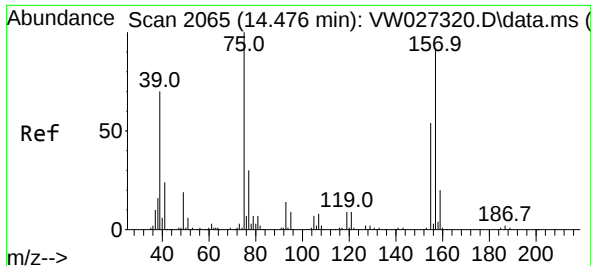
Tgt Ion:105 Resp: 107884

Ion Ratio Lower Upper

105 100

120 44.8 35.4 53.2

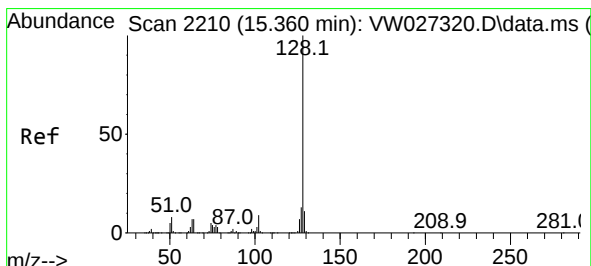
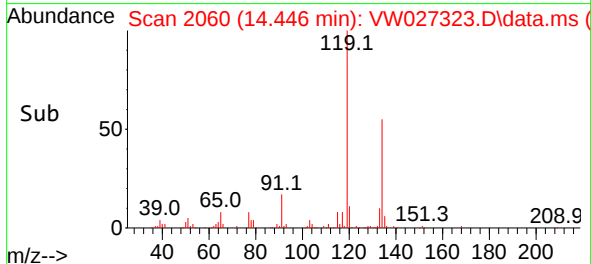
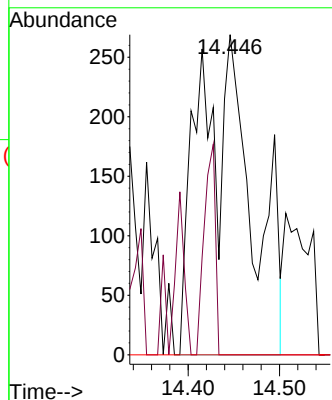
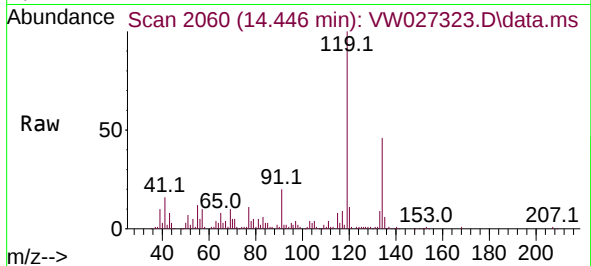




#68
1,2-Dibromo-3-chloropropane
Concen: 1.188 ug/L
RT: 14.446 min Scan# 2065
Delta R.T. -0.031 min
Lab File: VW027323.D
Acq: 18 Oct 2023 12:25

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 1054
Ion Ratio Lower Upper
75 100
155 0.0 54.9 82.3#
157 0.0 64.7 97.1#



#71
Naphthalene
Concen: 3.943 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VW027323.D
Acq: 18 Oct 2023 12:25

Tgt Ion: 128 Resp: 46381
Ion Ratio Lower Upper
128 100
127 14.4 10.0 15.0
129 11.9 8.5 12.7

