

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW103123\
 Data File : VW027482.D
 Acq On : 31 Oct 2023 13:50
 Operator : SY/MD
 Sample : 05174-04
 Misc : 5.54g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 01 01:50:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Oct 27 01:27:32 2023
 Response via : Initial Calibration

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

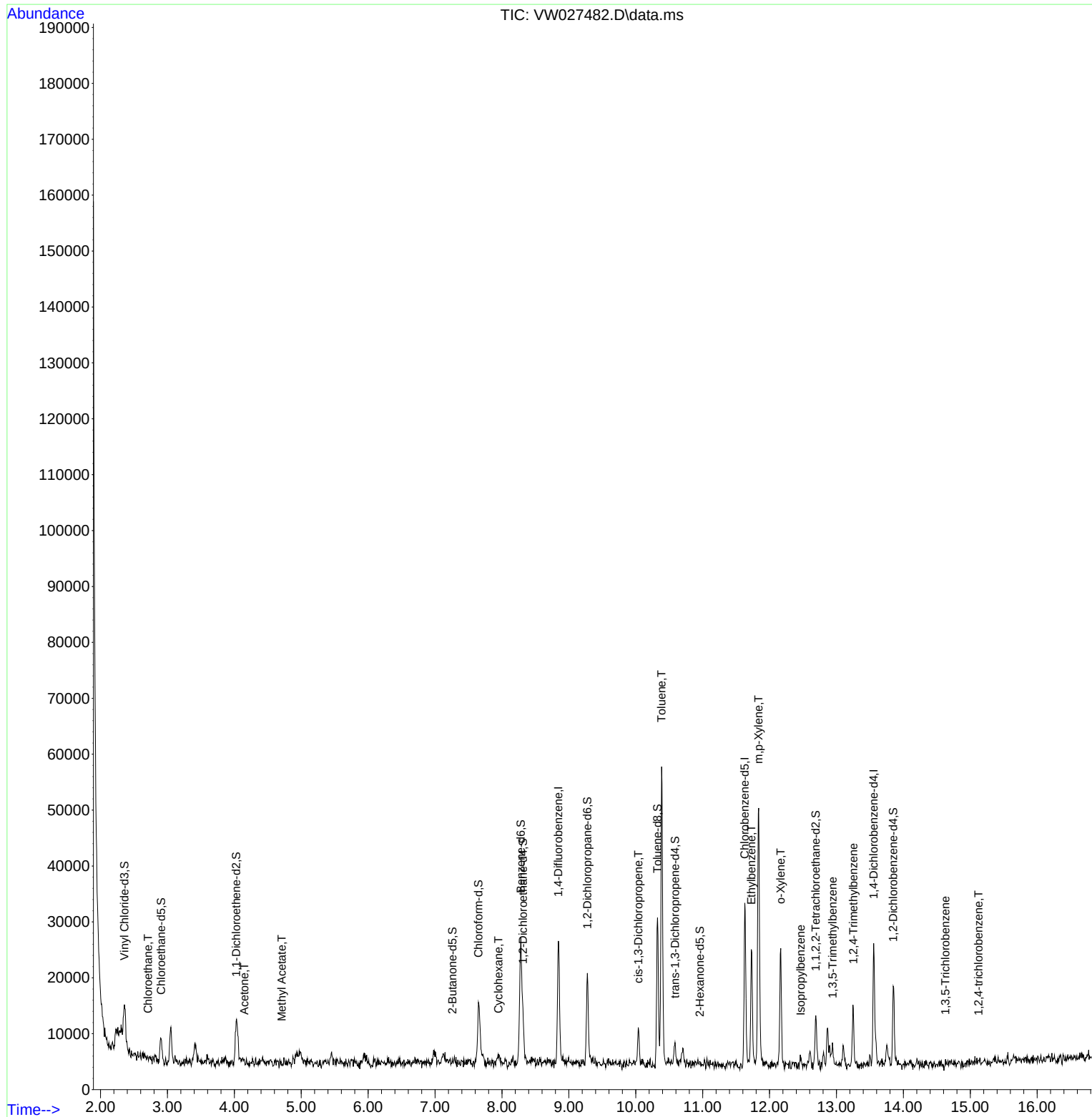
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	18486	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	15664	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	5057	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.357	65	4743	16.812	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.240%
7) Chloroethane-d5	2.905	69	4465	22.041	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.160%
11) 1,1-Dichloroethene-d2	4.027	65	1699	12.019	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	48.080%
21) 2-Butanone-d5	7.258	46	115	1.226	ug/L	0.18
Spiked Amount	50.000	Range	20 - 135	Recovery	=	2.460%#
24) Chloroform-d	7.648	84	11826	21.464	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.840%
26) 1,2-Dichloroethane-d4	8.313	65	6470	21.860	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.440%
32) Benzene-d6	8.283	84	22172	20.921	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.680%
36) 1,2-Dichloropropane-d6	9.276	67	7269	22.456	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.840%
41) Toluene-d8	10.325	98	17396	18.101	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	72.400%
43) trans-1,3-Dichloroprop...	10.587	79	2306	15.625	ug/L	0.01
Spiked Amount	25.000	Range	30 - 135	Recovery	=	62.480%
47) 2-Hexanone-d5	10.959	63	166	2.479	ug/L	0.04
Spiked Amount	50.000	Range	20 - 135	Recovery	=	4.960%#
56) 1,1,2,2-Tetrachloroeth...	12.690	84	4436	18.368	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	73.480%
66) 1,2-Dichlorobenzene-d4	13.849	152	3426	18.695	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	74.800%#
Target Compounds						Qvalue
8) Chloroethane	2.710	64	151	0.929	ug/L	88
13) Acetone	4.149	43	1014	12.520	ug/L	79
15) Methyl Acetate	4.710	43	195	1.410	ug/L	91
29) Cyclohexane	7.947	56	593	1.247	ug/L #	43
39) cis-1,3-Dichloropropene	10.038	75	347	0.759	ug/L #	75
42) Toluene	10.386	91	37953	35.341	ug/L	94
52) Ethylbenzene	11.727	91	14210	11.387	ug/L	97
53) m,p-Xylene	11.837	106	13987	29.551	ug/L	96
54) o-Xylene	12.166	106	5630	12.421	ug/L	98
60) Isopropylbenzene	12.465	105	800	1.007	ug/L #	85
62) 1,3,5-Trimethylbenzene	12.940	105	1615	2.437	ug/L	96
63) 1,2,4-Trimethylbenzene	13.251	105	5301	8.176	ug/L	98
69) 1,3,5-Trichlorobenzene	14.629	180	202	0.966	ug/L #	75
70) 1,2,4-trichlorobenzene	15.123	180	141	0.792	ug/L	84

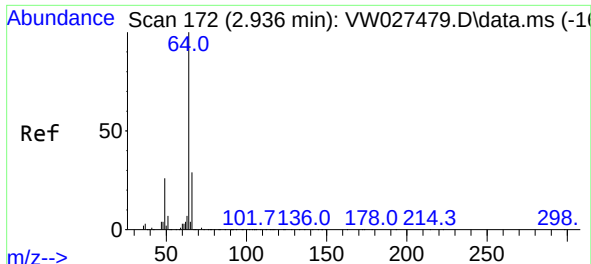
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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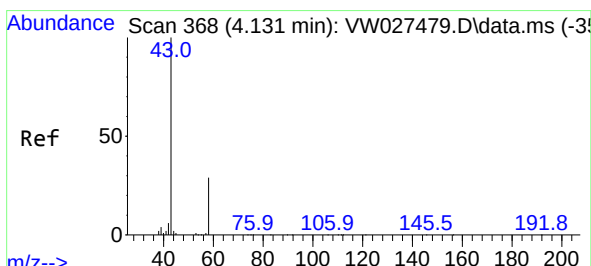
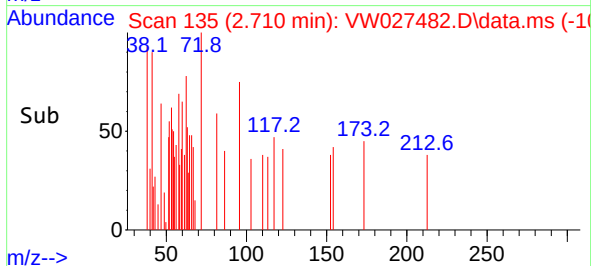
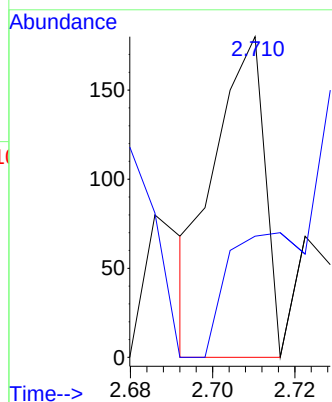
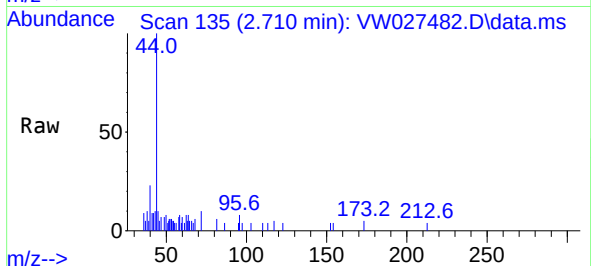




#8
Chloroethane
Concen: 0.929 ug/L
RT: 2.710 min Scan# 11
Delta R.T. -0.219 min
Lab File: VW027482.D
Acq: 31 Oct 2023 13:50

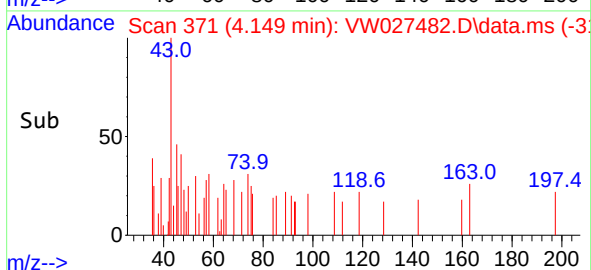
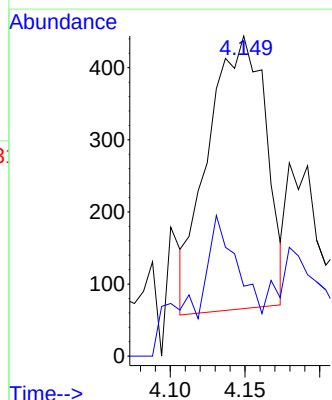
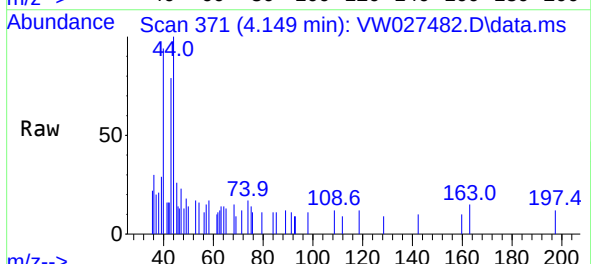
Instrument :
MSVOA_W
ClientSampleId :

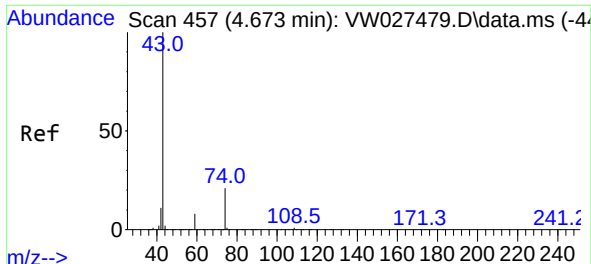
Tgt Ion: 64 Resp: 151
Ion Ratio Lower Upper
64 100
66 37.8 21.7 40.3



#13
Acetone
Concen: 12.520 ug/L
RT: 4.149 min Scan# 371
Delta R.T. 0.031 min
Lab File: VW027482.D
Acq: 31 Oct 2023 13:50

Tgt Ion: 43 Resp: 1014
Ion Ratio Lower Upper
43 100
58 18.7 0.0 60.8

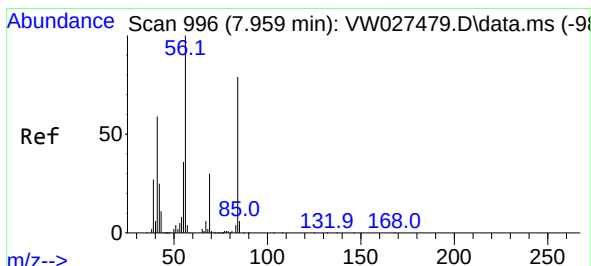
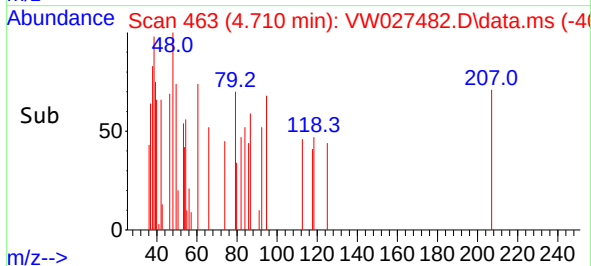
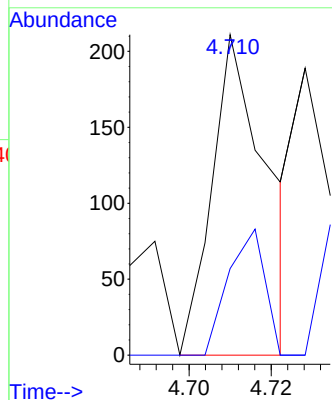
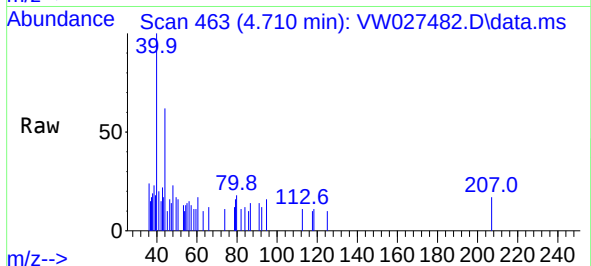




#15
Methyl Acetate
Concen: 1.410 ug/L
RT: 4.710 min Scan# 4
Delta R.T. 0.043 min
Lab File: VW027482.D
Acq: 31 Oct 2023 13:50

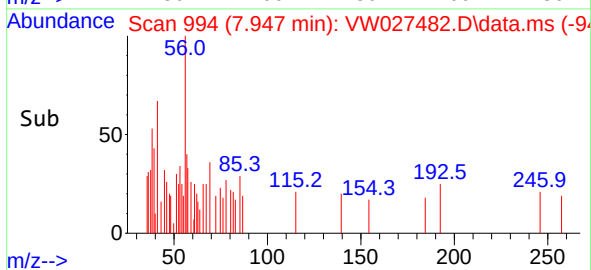
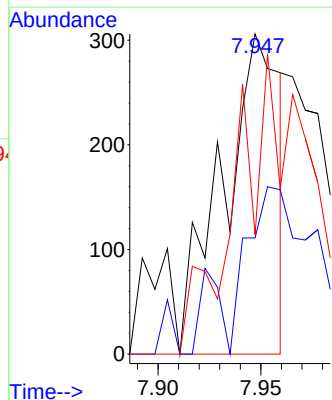
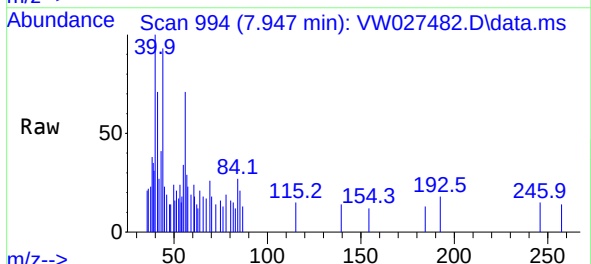
Instrument :
MSVOA_W
ClientSampleId :

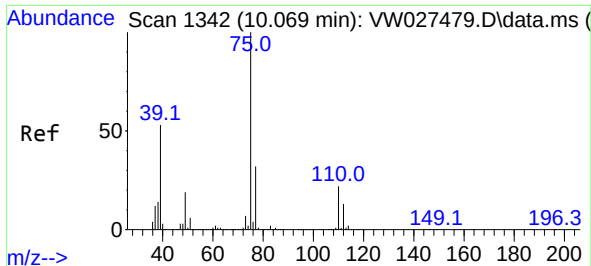
Tgt Ion: 43 Resp: 195
Ion Ratio Lower Upper
43 100
74 26.2 17.5 26.3



#29
Cyclohexane
Concen: 1.247 ug/L
RT: 7.947 min Scan# 994
Delta R.T. -0.012 min
Lab File: VW027482.D
Acq: 31 Oct 2023 13:50

Tgt Ion: 56 Resp: 593
Ion Ratio Lower Upper
56 100
69 0.0 24.2 36.4#
84 30.0 65.1 97.7#





#39

cis-1,3-Dichloropropene

Concen: 0.759 ug/L

RT: 10.038 min Scan# 11

Delta R.T. -0.030 min

Lab File: VW027482.D

Acq: 31 Oct 2023 13:50

Instrument :

MSVOA_W

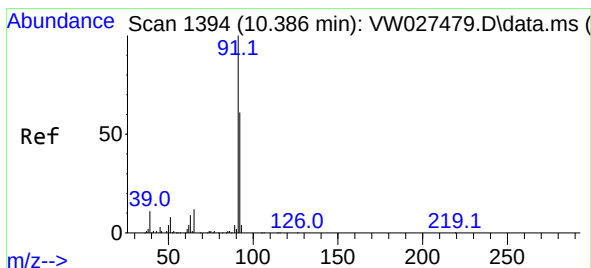
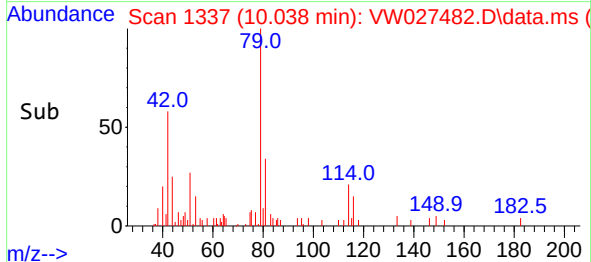
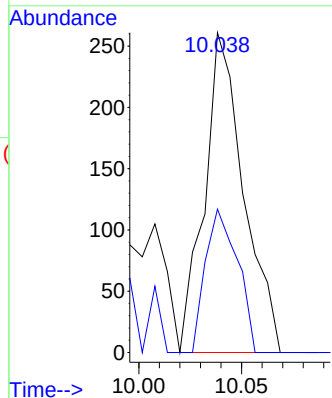
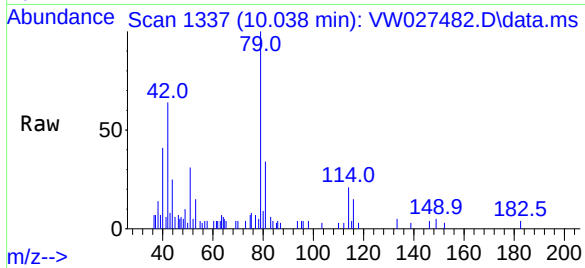
ClientSampleId :

Tgt Ion: 75 Resp: 347

Ion Ratio Lower Upper

75 100

77 44.8 21.9 40.7#



#42

Toluene

Concen: 35.341 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VW027482.D

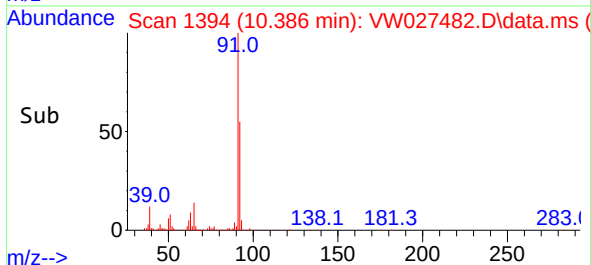
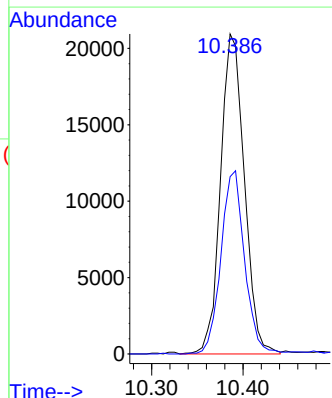
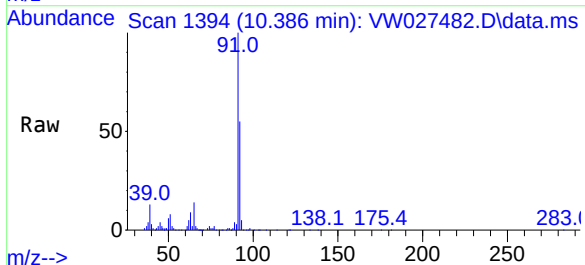
Acq: 31 Oct 2023 13:50

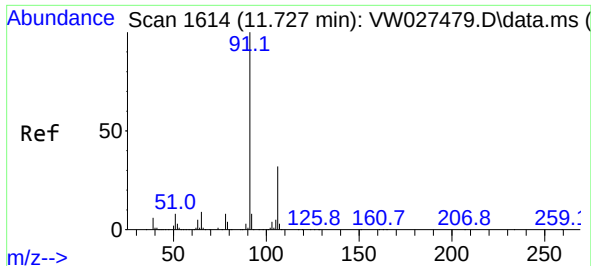
Tgt Ion: 91 Resp: 37953

Ion Ratio Lower Upper

91 100

92 55.4 42.1 78.1

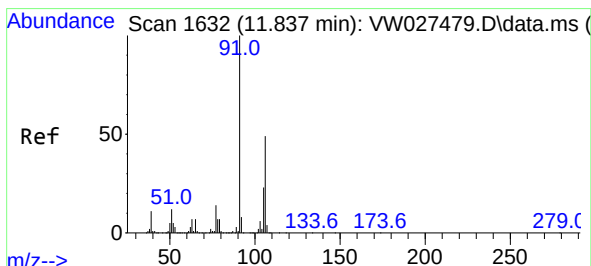
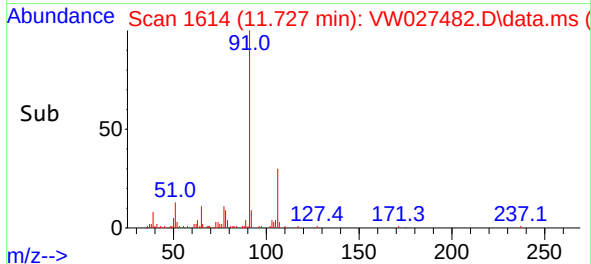
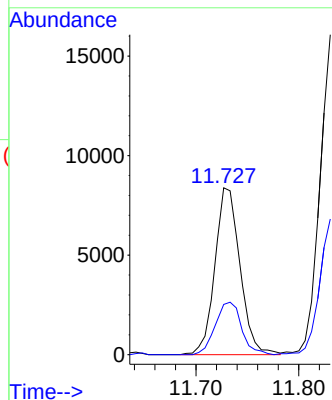
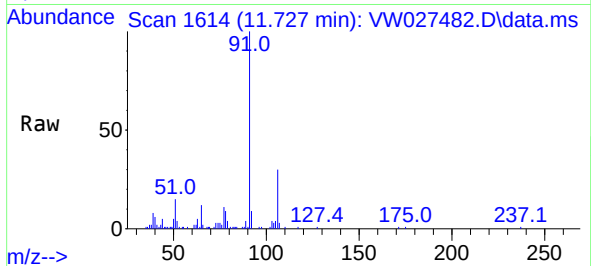




#52
Ethylbenzene
Concen: 11.387 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW027482.D
Acq: 31 Oct 2023 13:50

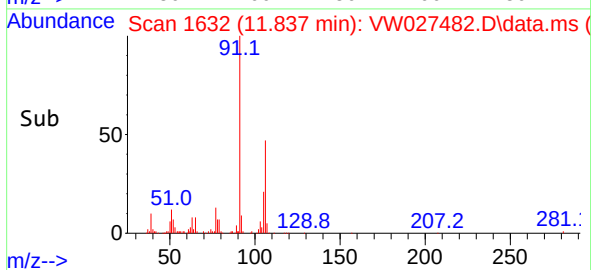
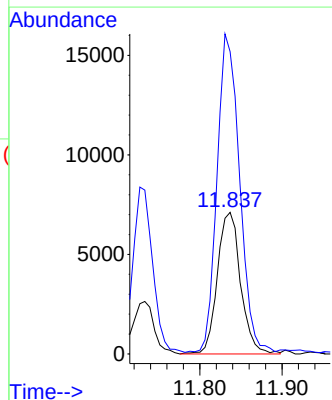
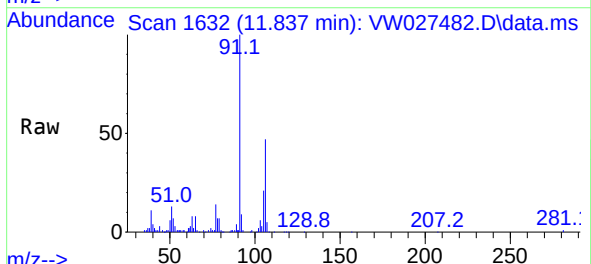
Instrument :
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ClientSampleId :

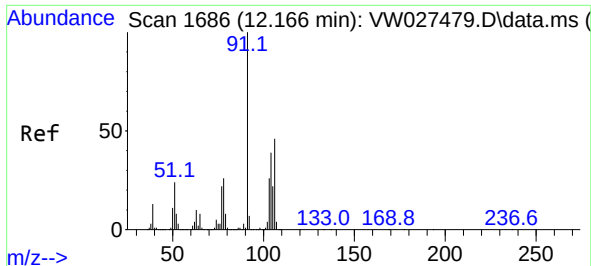
Tgt Ion: 91 Resp: 14210
Ion Ratio Lower Upper
91 100
106 30.1 19.8 36.8



#53
m,p-Xylene
Concen: 29.551 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW027482.D
Acq: 31 Oct 2023 13:50

Tgt Ion:106 Resp: 13987
Ion Ratio Lower Upper
106 100
91 213.3 144.5 268.4

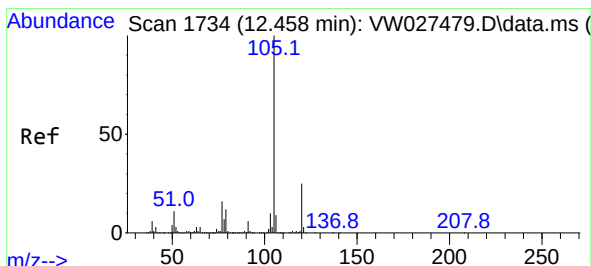
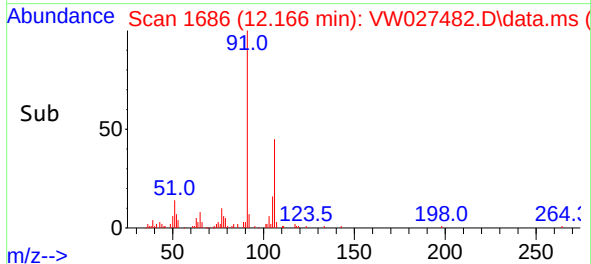
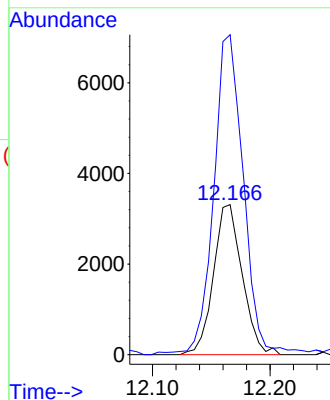
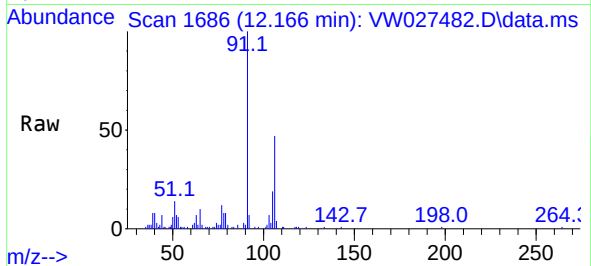




#54
o-Xylene
Concen: 12.421 ug/L
RT: 12.166 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW027482.D
Acq: 31 Oct 2023 13:50

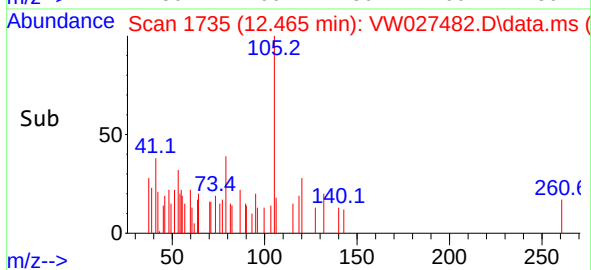
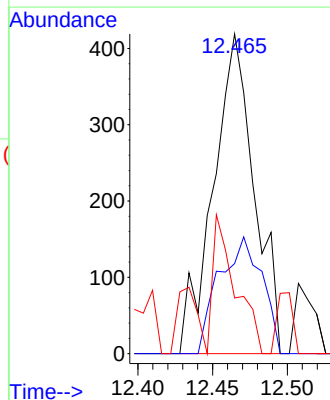
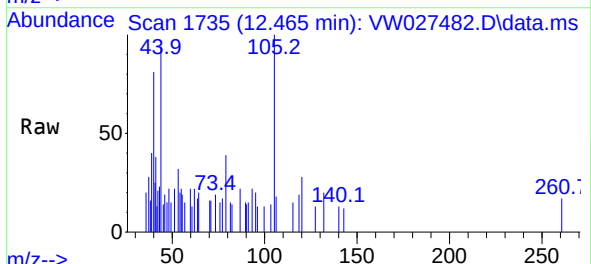
Instrument :
MSVOA_W
ClientSampleId :

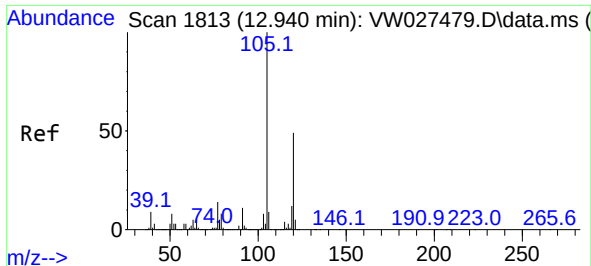
Tgt Ion:106 Resp: 5630
Ion Ratio Lower Upper
106 100
91 213.2 152.0 282.2



#60
Isopropylbenzene
Concen: 1.007 ug/L
RT: 12.465 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VW027482.D
Acq: 31 Oct 2023 13:50

Tgt Ion:105 Resp: 800
Ion Ratio Lower Upper
105 100
120 25.5 20.1 30.1
77 0.0 12.9 19.3#

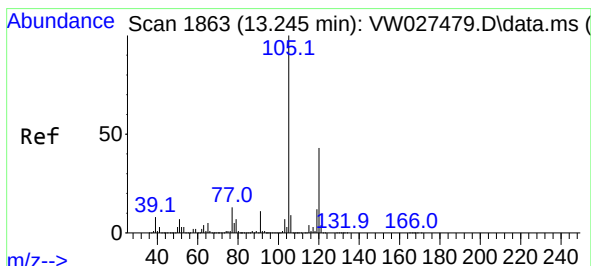
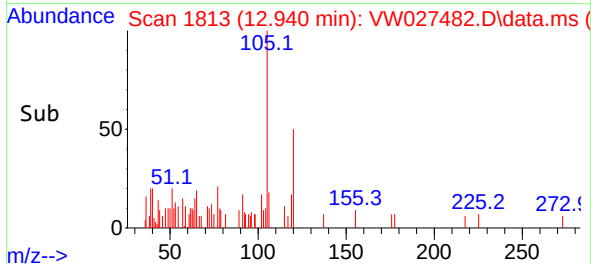
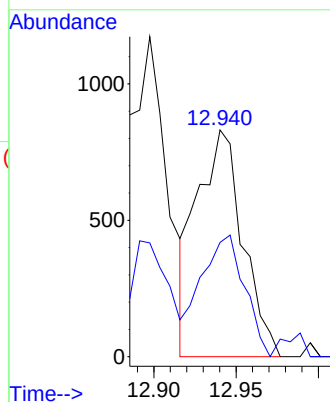
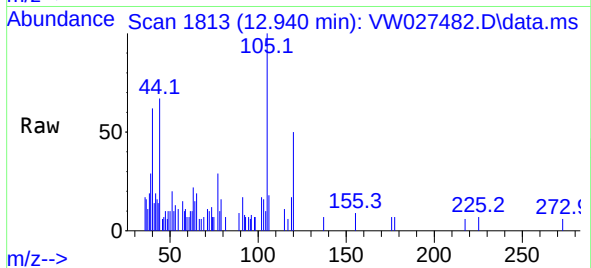




#62
1,3,5-Trimethylbenzene
Concen: 2.437 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW027482.D
Acq: 31 Oct 2023 13:50

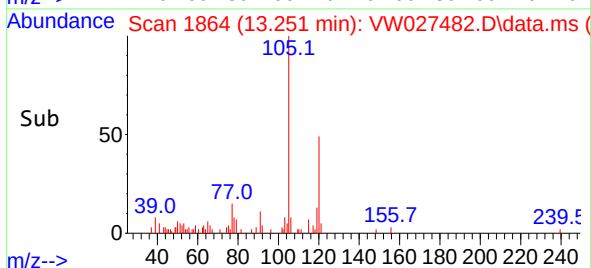
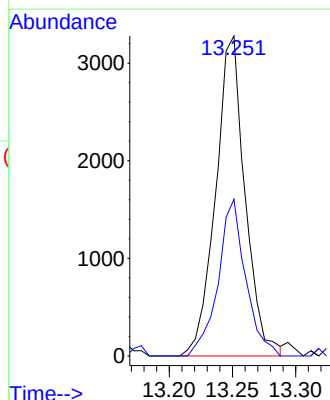
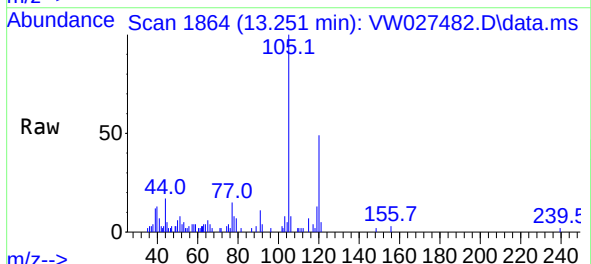
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MSVOA_W
ClientSampleId :

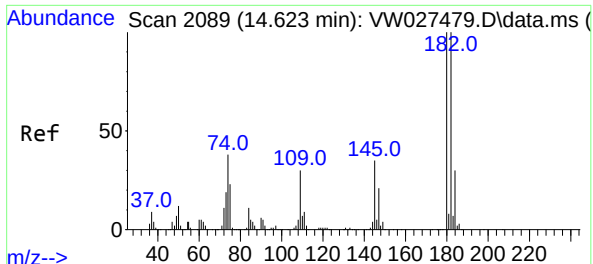
Tgt Ion:105 Resp: 1615
Ion Ratio Lower Upper
105 100
120 51.1 38.8 58.2



#63
1,2,4-Trimethylbenzene
Concen: 8.176 ug/L
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW027482.D
Acq: 31 Oct 2023 13:50

Tgt Ion:105 Resp: 5301
Ion Ratio Lower Upper
105 100
120 45.9 35.4 53.2





#69

1,3,5-Trichlorobenzene

Concen: 0.966 ug/L

RT: 14.629 min Scan# 2089

Delta R.T. 0.006 min

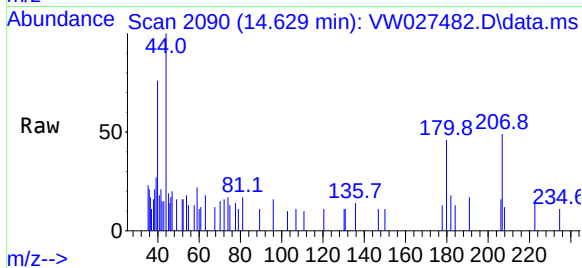
Lab File: VW027482.D

Acq: 31 Oct 2023 13:50

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 202

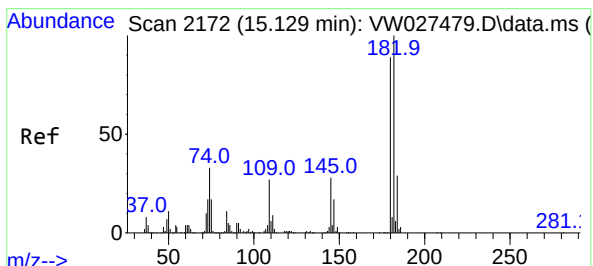
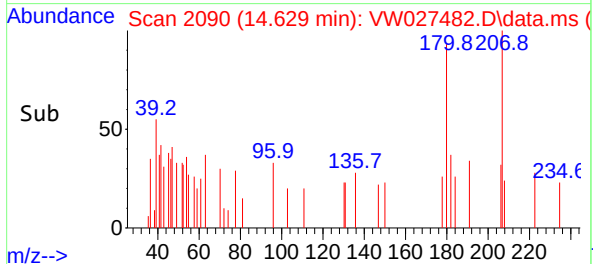
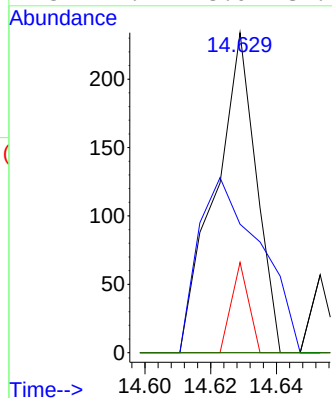
Ion Ratio Lower Upper

180 100

182 82.2 73.4 110.0

184 0.0 23.3 34.9#

145 9.4 25.0 37.4#



#70

1,2,4-trichlorobenzene

Concen: 0.792 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW027482.D

Acq: 31 Oct 2023 13:50

Tgt Ion:180 Resp: 141

Ion Ratio Lower Upper

180 100

182 77.3 75.5 113.3

145 39.0 26.4 39.6

