

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
 Data File : VW021022.D
 Acq On : 02 Dec 2021 04:16
 Operator : SY/VA
 Sample : M4881-10
 Misc : 4.99g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW9E6

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/03/2021
 Supervised By : Amit Patel 12/07/2021

Quant Time: Dec 02 07:30:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 02 07:10:34 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	58224	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.628	117	19454	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	2193	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	19527	28.913	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 115.640%			
7) Chloroethane-d5	2.885	69	15373	35.294	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 141.160%			
11) 1,1-Dichloroethene-d2	4.013	63	22977	17.584	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 70.320%			
21) 2-Butanone-d5	7.074	46	14663	86.984	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 173.960%#			
24) Chloroform-d	7.647	84	46396	31.625	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 126.520%			
26) 1,2-Dichloroethane-d4	8.311	65	22284	29.925	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 119.720%			
32) Benzene-d6	8.275	84	73633	71.814	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 287.240%#			
36) 1,2-Dichloropropane-d6	9.274	67	23204	79.474	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 317.880%#			
41) Toluene-d8	10.323	98	37129	36.484	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 145.920%#			
43) trans-1,3-Dichloroprop...	10.573	79	3251	23.557	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 94.240%			
47) 2-Hexanone-d5	10.921	63	6330	130.720	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 261.440%#			
56) 1,1,2,2-Tetrachloroeth...	12.689	84	11256	50.325	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 201.320%#			
66) 1,2-Dichlorobenzene-d4	13.853	152	2594	33.188	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 132.760%#			
Target Compounds						Qvalue
13) Acetone	4.123	43	1815	12.059	ug/L	97
16) Methylene chloride	4.916	84	6351	7.821	ug/L	83
27) 1,2-Dichloroethane	8.397	62	4237	4.914	ug/L	99
29) Cyclohexane	7.958	56	785	1.810	ug/L #	75
35) Methylcyclohexane	9.335	83	2214	4.359	ug/L #	85
42) Toluene	10.390	91	5789	4.672	ug/L	89
46) Tetrachloroethene	10.860	164	218	0.771	ug/L	77
52) Ethylbenzene	11.731	91	1160	0.845	ug/L	89
53) m,p-Xylene	11.835	106	1848	3.297	ug/L	80
54) o-Xylene	12.158	106	651	1.209	ug/L	72
62) 1,3,5-Trimethylbenzene	12.938	105	429m	1.703	ug/L	
63) 1,2,4-Trimethylbenzene	13.256	105	1205	4.847	ug/L	87

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

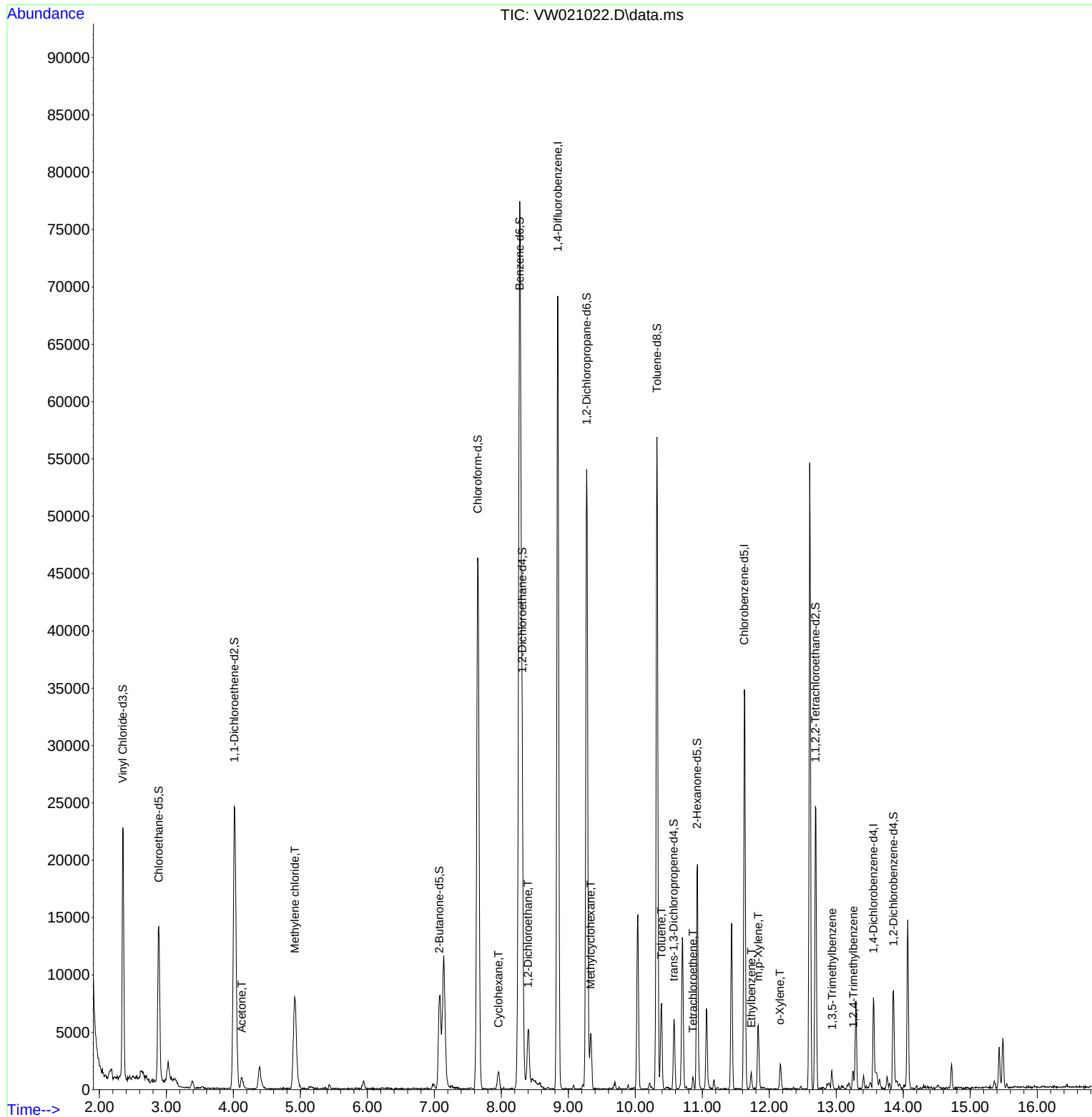
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120221\
Data File : VW021022.D
Acq On : 02 Dec 2021 04:16
Operator : SY/VA
Sample : M4881-10
Misc : 4.99g/10.0mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

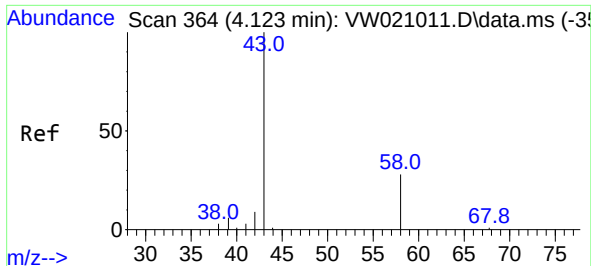
Instrument :
MSVOA_W
ClientSampleId :
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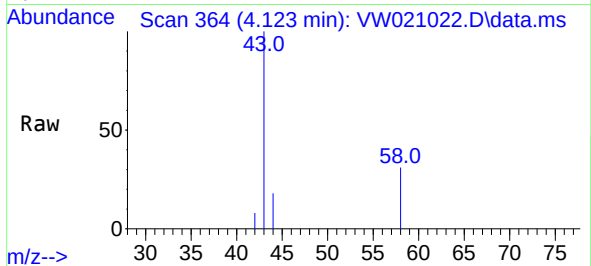
Quant Time: Dec 02 07:30:46 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM111521SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 02 07:10:34 2021
Response via : Initial Calibration





#13
Acetone
Concen: 12.059 ug/L
RT: 4.123 min Scan# 301
Delta R.T. -0.000 min
Lab File: VW021022.D
Acq: 02 Dec 2021 04:16

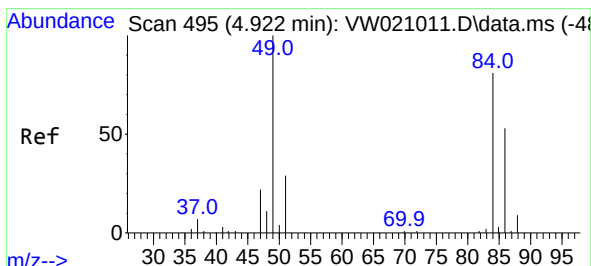
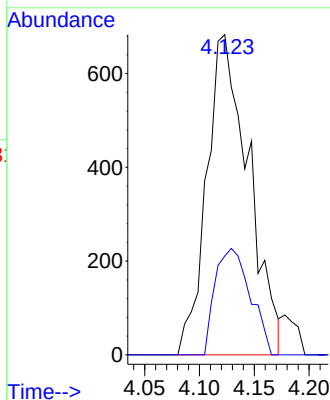
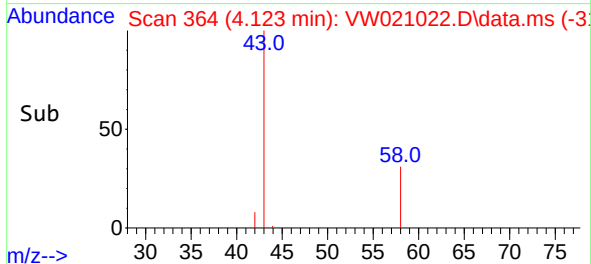
Instrument :
MSVOA_W
ClientSampleId :
EW9E6



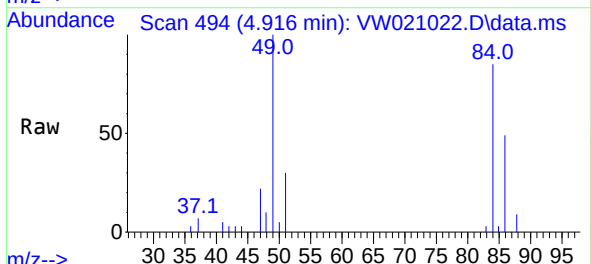
Tgt Ion: 43 Resp: 181
Ion Ratio Lower Upper
43 100
58 27.9 0.0 52.8

Manual Integrations
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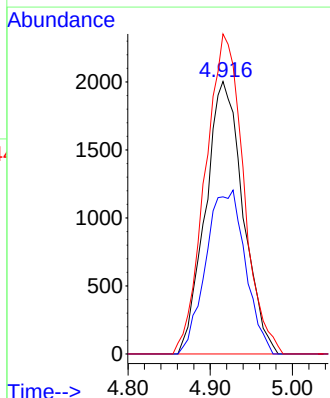
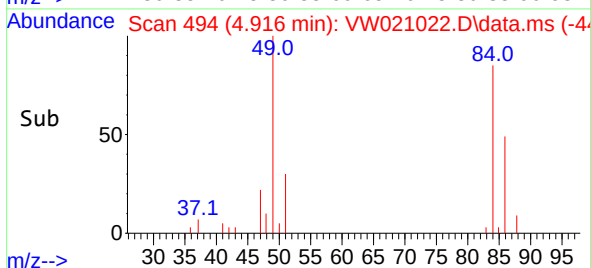
Reviewed By :Semsettin Yesilyurt 12/03/2021
Supervised By :Amit Patel 12/07/2021

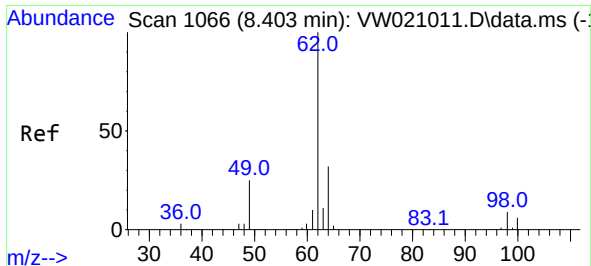


#16
Methylene chloride
Concen: 7.821 ug/L
RT: 4.916 min Scan# 494
Delta R.T. -0.006 min
Lab File: VW021022.D
Acq: 02 Dec 2021 04:16



Tgt Ion: 84 Resp: 6351
Ion Ratio Lower Upper
84 100
86 57.7 45.5 84.5
49 117.5 100.5 186.7





#27

1,2-Dichloroethane

Concen: 4.914 ug/L

RT: 8.397 min Scan# 1066

Delta R.T. -0.006 min

Lab File: VW021022.D

Acq: 02 Dec 2021 04:16

Instrument :

MSVOA_W

ClientSampleId :

EW9E6

Tgt Ion: 62 Resp: 423

Ion Ratio Lower Upper

62 100

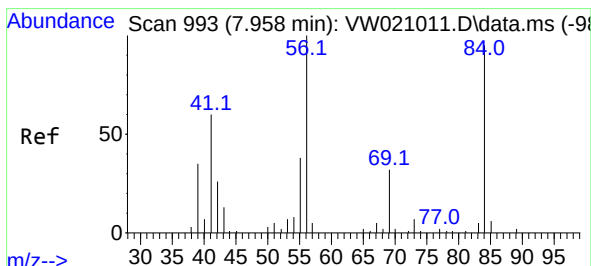
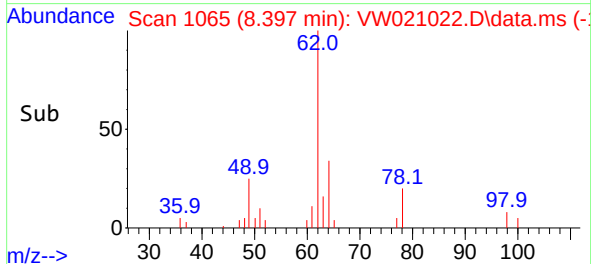
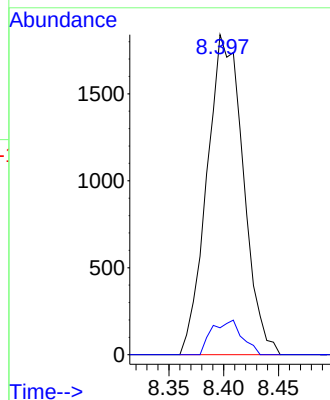
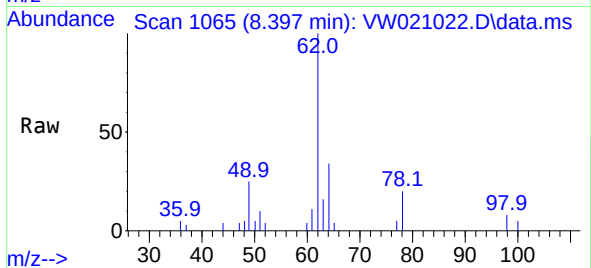
98 8.4 6.5 9.7

Manual Integrations

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#29

Cyclohexane

Concen: 1.810 ug/L

RT: 7.958 min Scan# 993

Delta R.T. -0.000 min

Lab File: VW021022.D

Acq: 02 Dec 2021 04:16

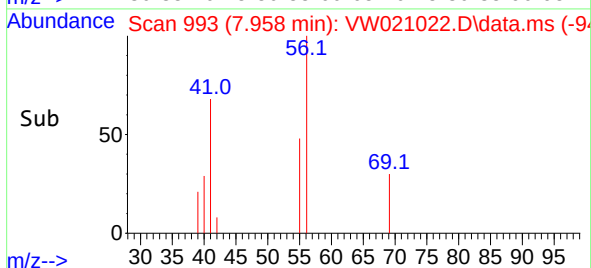
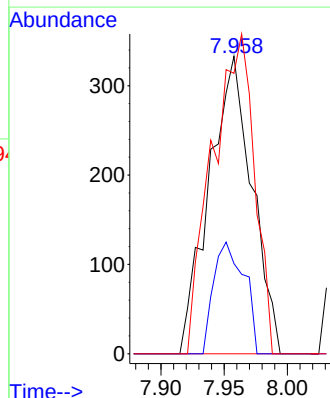
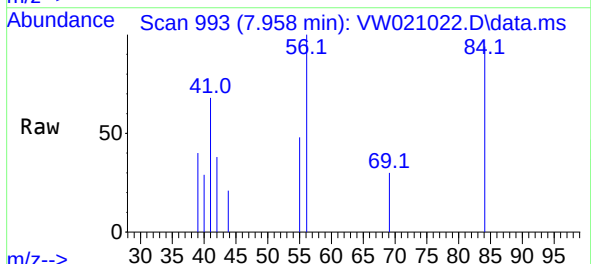
Tgt Ion: 56 Resp: 785

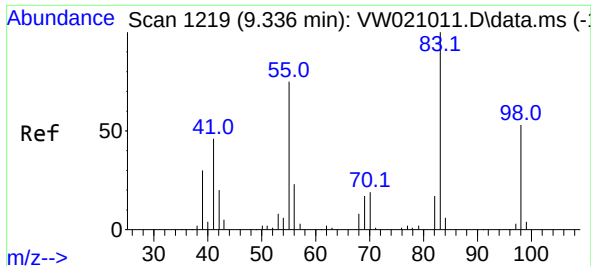
Ion Ratio Lower Upper

56 100

69 22.8 23.5 35.3#

84 105.9 63.4 95.2#





#35

Methylcyclohexane

Concen: 4.359 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW021022.D

Acq: 02 Dec 2021 04:16

Instrument :

MSVOA_W

ClientSampleId :

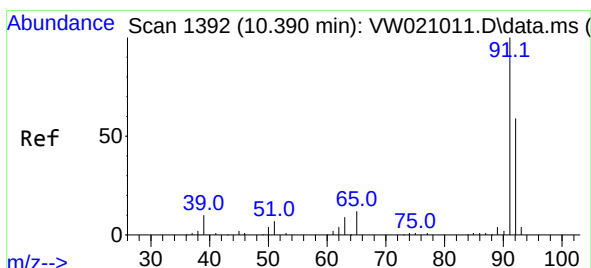
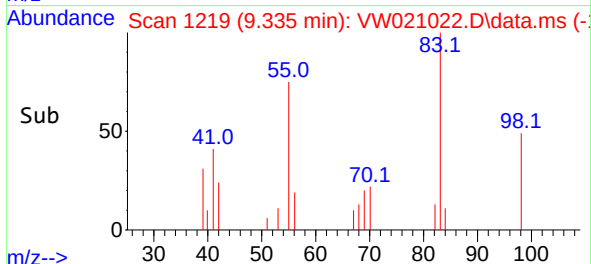
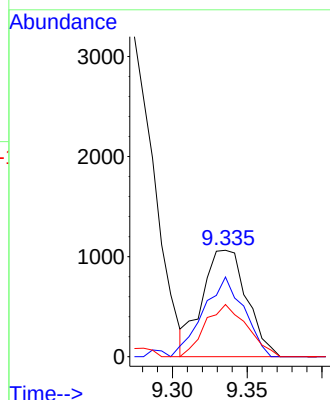
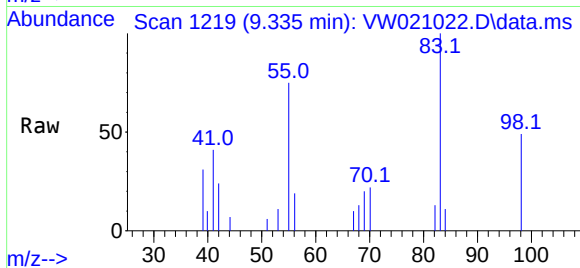
EW9E6

Tgt Ion: 83 Resp: 2214
 Ion Ratio Lower Upper
 83 100
 55 68.0 70.8 106.2
 98 45.8 37.7 56.5

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#42

Toluene

Concen: 4.672 ug/L

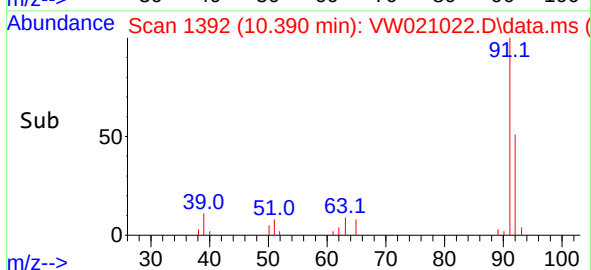
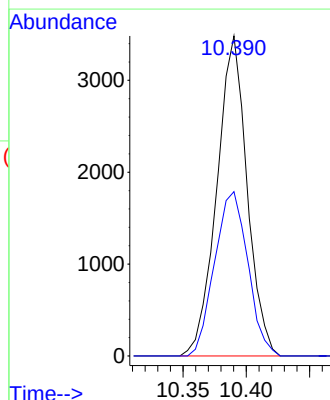
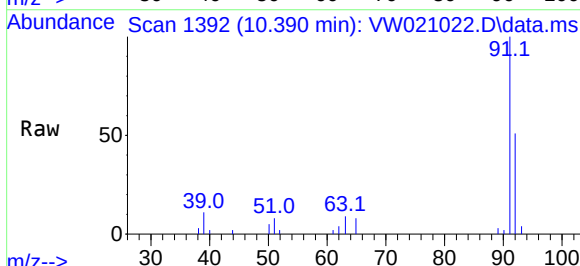
RT: 10.390 min Scan# 1392

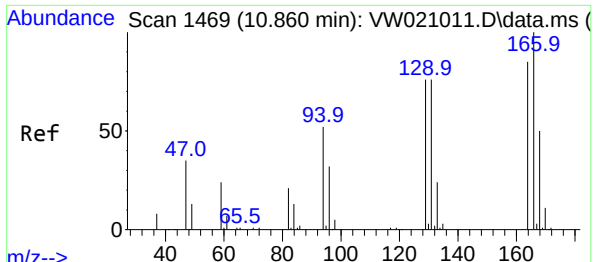
Delta R.T. -0.000 min

Lab File: VW021022.D

Acq: 02 Dec 2021 04:16

Tgt Ion: 91 Resp: 5789
 Ion Ratio Lower Upper
 91 100
 92 51.4 41.7 77.5





#46

Tetrachloroethene

Concen: 0.771 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. -0.000 min

Lab File: VW021022.D

Acq: 02 Dec 2021 04:16

Instrument :

MSVOA_W

ClientSampleId :

EW9E6

Tgt Ion:164 Resp: 218

Ion Ratio Lower Upper

164 100

129 77.2 65.5 121.7

131 61.1 59.7 110.9

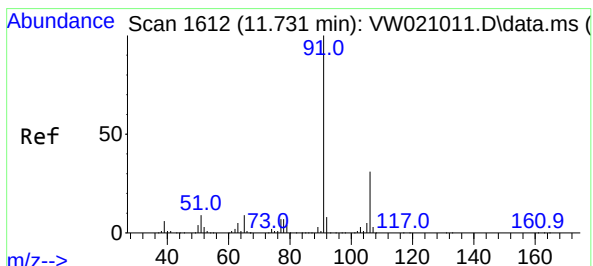
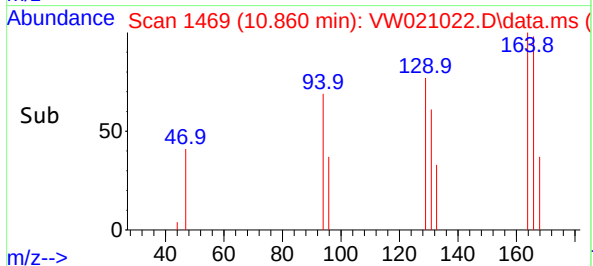
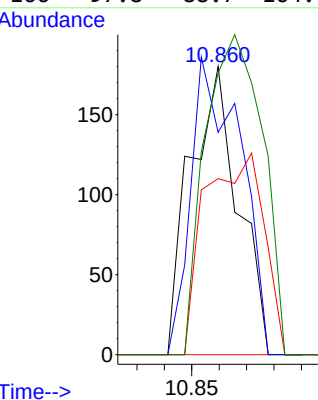
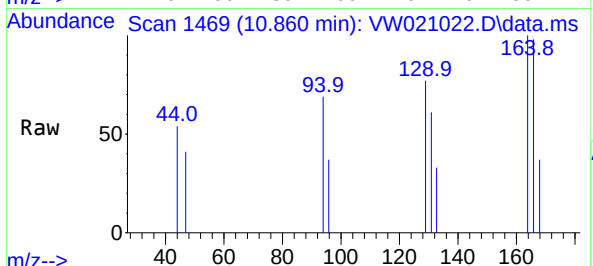
166 97.8 88.7 164.7

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#52

Ethylbenzene

Concen: 0.845 ug/L

RT: 11.731 min Scan# 1612

Delta R.T. -0.000 min

Lab File: VW021022.D

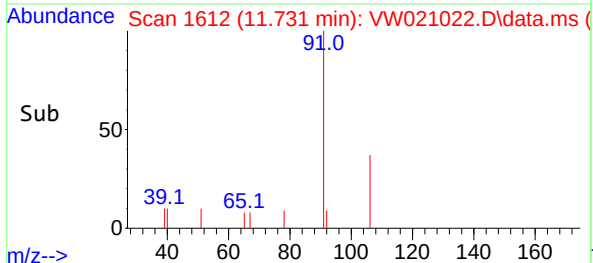
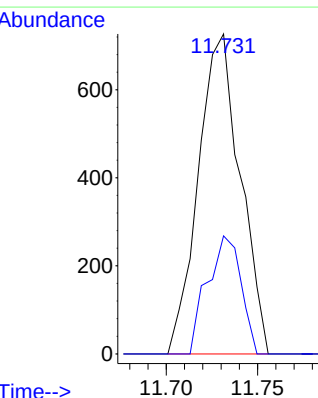
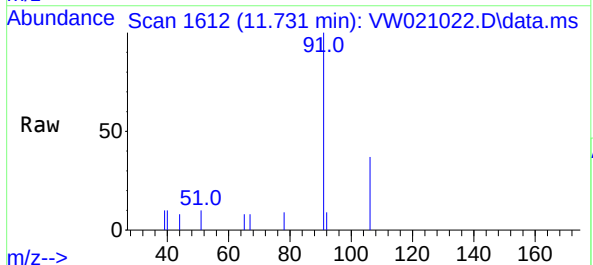
Acq: 02 Dec 2021 04:16

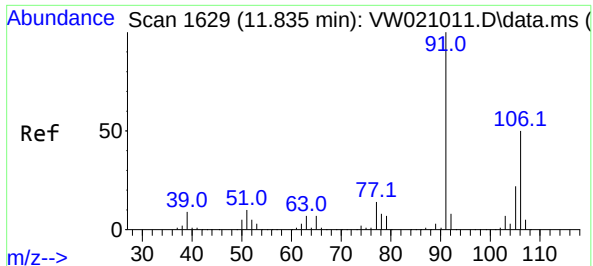
Tgt Ion: 91 Resp: 1160

Ion Ratio Lower Upper

91 100

106 36.9 21.5 39.9





#53

m,p-Xylene

Concen: 3.297 ug/L

RT: 11.835 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW021022.D

Acq: 02 Dec 2021 04:16

Instrument :

MSVOA_W

ClientSampleId :

EW9E6

Tgt Ion:106 Resp: 184

Ion Ratio Lower Upper

106 100

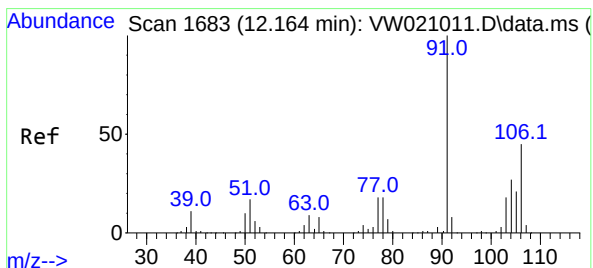
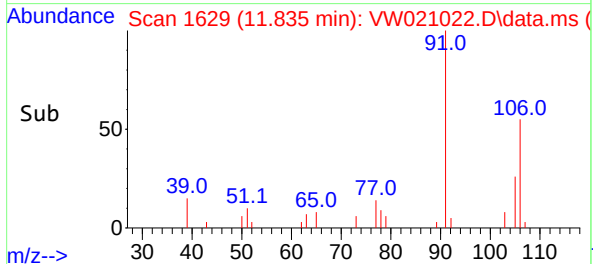
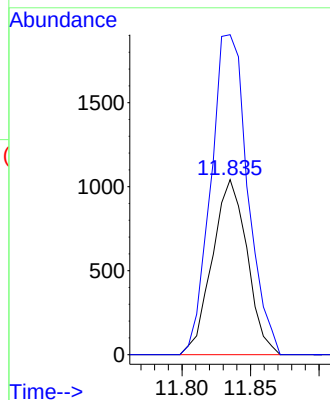
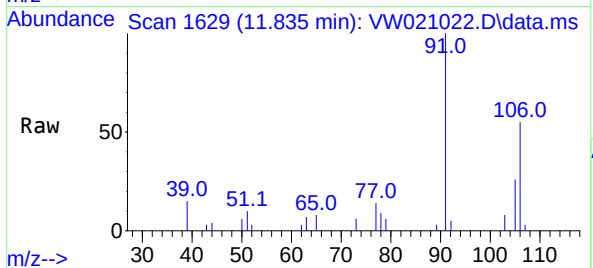
91 182.8 149.9 278.3

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#54

o-Xylene

Concen: 1.209 ug/L

RT: 12.158 min Scan# 1682

Delta R.T. -0.006 min

Lab File: VW021022.D

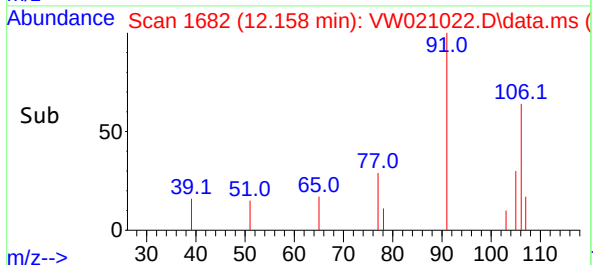
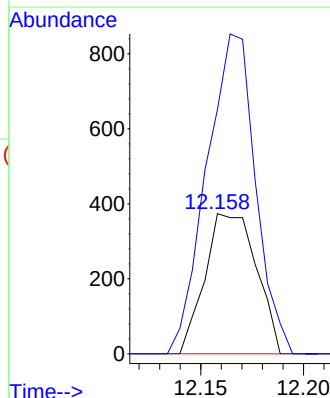
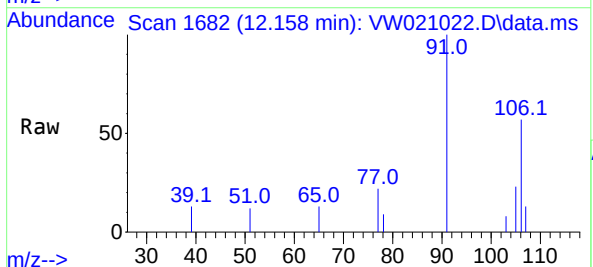
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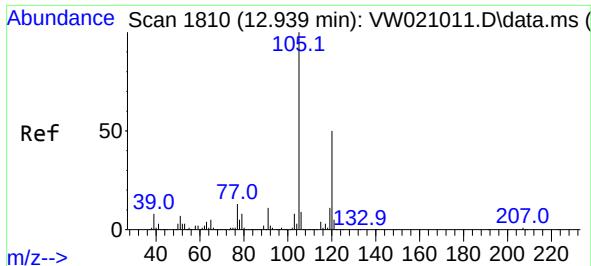
Tgt Ion:106 Resp: 651

Ion Ratio Lower Upper

106 100

91 174.3 153.6 285.3





#62

1,3,5-Trimethylbenzene

Concen: 1.703 ug/L m

RT: 12.938 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VW021022.D

Acq: 02 Dec 2021 04:16

Instrument :

MSVOA_W

ClientSampleId :

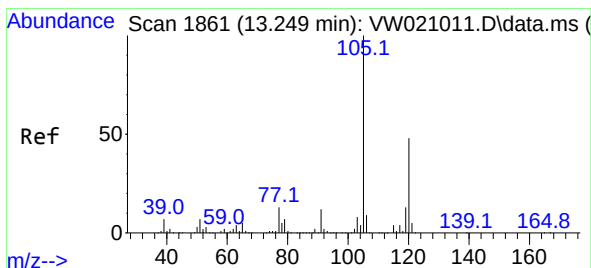
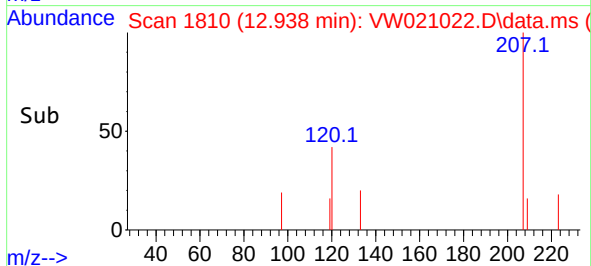
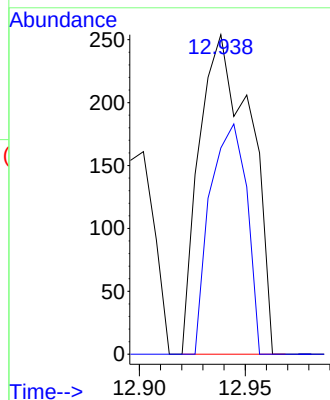
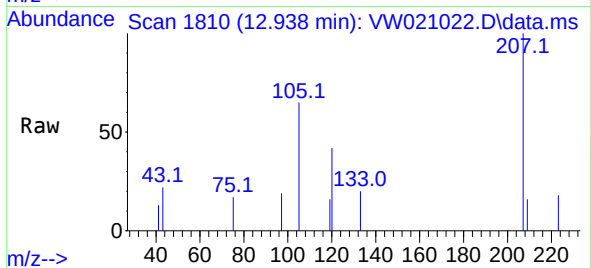
EW9E6

Tgt Ion:105 Resp: 429
 Ion Ratio Lower Upper
 105 100
 120 146.4 37.4 56.2

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#63

1,2,4-Trimethylbenzene

Concen: 4.847 ug/L

RT: 13.256 min Scan# 1862

Delta R.T. 0.006 min

Lab File: VW021022.D

Acq: 02 Dec 2021 04:16

Tgt Ion:105 Resp: 1205
 Ion Ratio Lower Upper
 105 100
 120 52.1 35.0 52.6

