

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030222\
 Data File : VW024854.D
 Acq On : 02 Mar 2022 14:33
 Operator : SY/MD
 Sample : VW0302SBL01
 Misc : 5.00g/10mL/MSVOA_V/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK201

Quant Time: Mar 03 03:06:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM030222SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 03 02:51:32 2022
 Response via : Initial Calibration

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

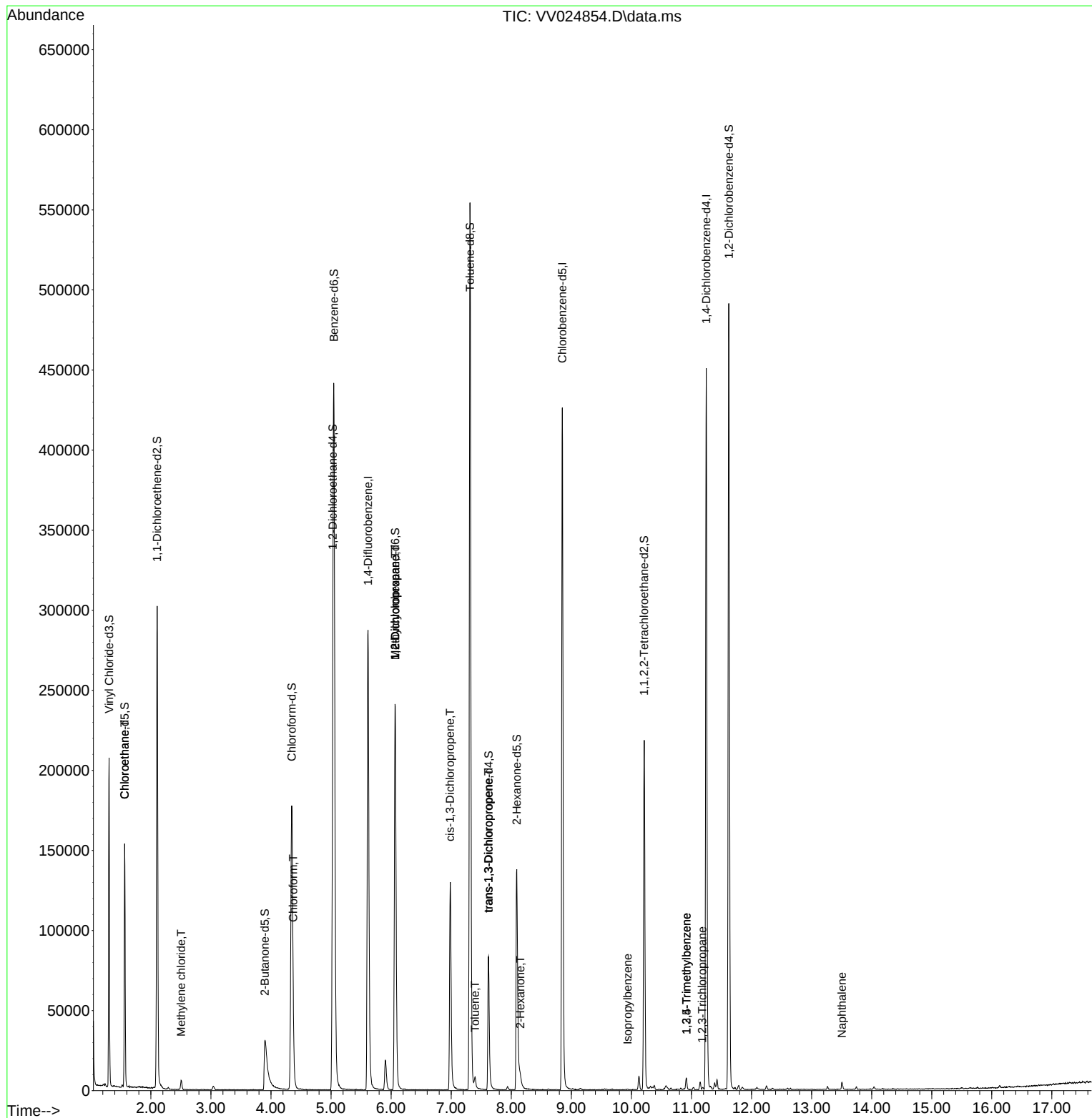
Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	255533	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	236801	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	111661	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	128522	28.357	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 113.440%	
7) Chloroethane-d5	1.564	69	94125	27.908	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 111.640%	
11) 1,1-Dichloroethene-d2	2.105	63	156815	21.639	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 86.560%	
21) 2-Butanone-d5	3.899	46	75239	56.108	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 112.220%	
24) Chloroform-d	4.346	84	190562	26.635	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 106.560%	
26) 1,2-Dichloroethane-d4	5.030	65	106614	28.131	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 112.520%	
32) Benzene-d6	5.047	84	412172	28.129	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 112.520%	
36) 1,2-Dichloropropane-d6	6.066	67	121931	28.001	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 112.000%	
41) Toluene-d8	7.313	98	366766	27.713	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 110.840%	
43) trans-1,3-Dichloroprop...	7.622	79	51069	27.311	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 109.240%	
47) 2-Hexanone-d5	8.091	63	53607	53.726	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 107.460%	
56) 1,1,2,2-Tetrachloroeth...	10.214	84	109817	28.577	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 114.320%	
66) 1,2-Dichlorobenzene-d4	11.622	152	123924	28.778	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 115.120%	
Target Compounds						
					Qvalue	
8) Chloroethane	1.564	64	90	0.035	ug/L #	43
16) Methylene chloride	2.506	84	2662	0.697	ug/L	88
25) Chloroform	4.368	83	1764	0.284	ug/L #	75
35) Methylcyclohexane	6.066	83	28974	4.471	ug/L #	19
37) 1,2-Dichloropropane	6.066	63	12613	3.835	ug/L #	86
39) cis-1,3-Dichloropropene	6.982	75	3548	0.723	ug/L	87
42) Toluene	7.397	91	5784	0.403	ug/L	96
44) trans-1,3-Dichloropropene	7.619	75	2102	0.484	ug/L #	82
48) 2-Hexanone	8.149	43	5382	3.074	ug/L #	74
60) Isopropylbenzene	9.937	105	393	0.027	ug/L #	54
61) 1,2,3-Trichloropropane	11.181	75	97	0.036	ug/L #	35
62) 1,3,5-Trimethylbenzene	10.918	105	1410	0.128	ug/L	87
63) 1,2,4-Trimethylbenzene	10.918	105	1410	0.116	ug/L	92
71) Naphthalene	13.506	128	4150	0.409	ug/L	96

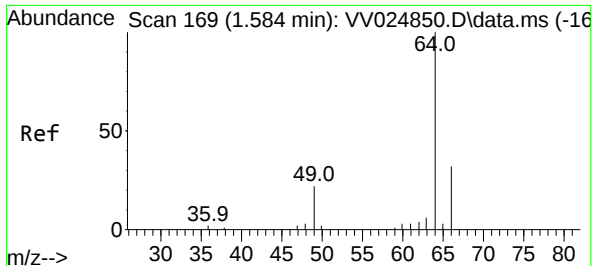
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM030222SMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 03 02:51:32 2022
Response via : Initial Calibration

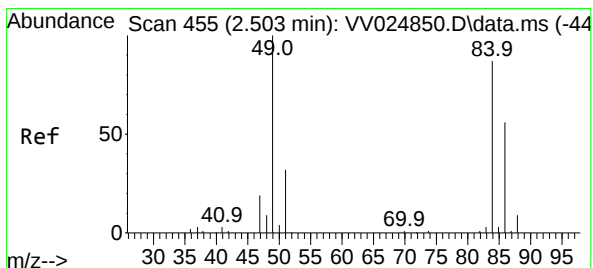
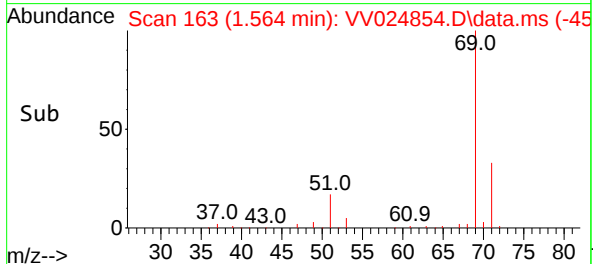
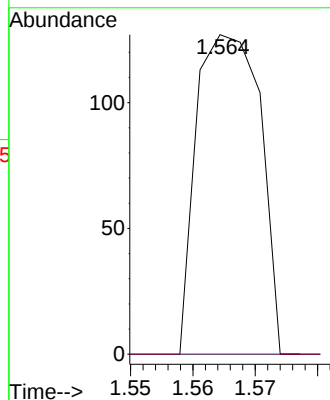
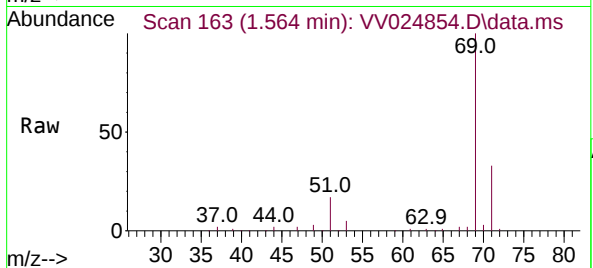




#8
Chloroethane
Concen: 0.035 ug/L
RT: 1.564 min Scan# 1
Delta R.T. -0.019 min
Lab File: VV024854.D
Acq: 02 Mar 2022 14:33

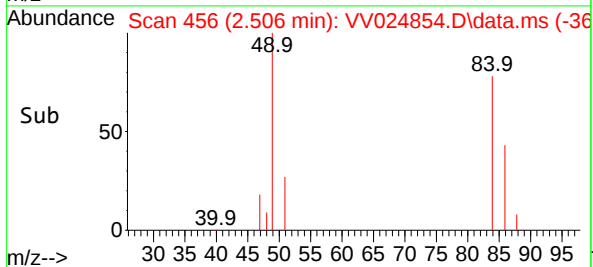
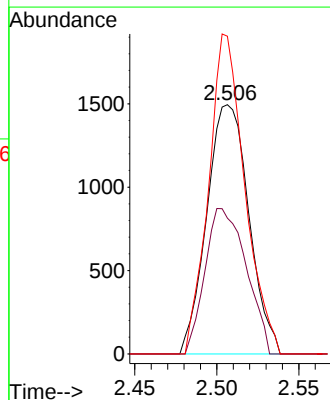
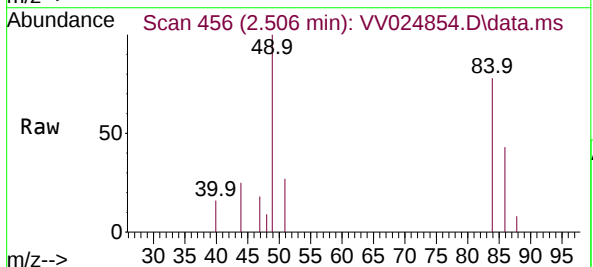
Instrument :
MSVOA_V
ClientSampleId :
VBLK201

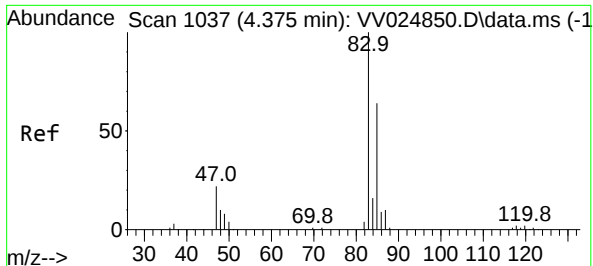
Tgt Ion: 64 Resp: 90
Ion Ratio Lower Upper
64 100
66 0.0 22.3 41.5#



#16
Methylene chloride
Concen: 0.697 ug/L
RT: 2.506 min Scan# 456
Delta R.T. 0.003 min
Lab File: VV024854.D
Acq: 02 Mar 2022 14:33

Tgt Ion: 84 Resp: 2662
Ion Ratio Lower Upper
84 100
86 54.4 45.0 83.6
49 127.5 80.4 149.2





#25

Chloroform

Concen: 0.284 ug/L

RT: 4.368 min Scan# 1

Delta R.T. -0.007 min

Lab File: VV024854.D

Acq: 02 Mar 2022 14:33

Instrument :

MSVOA_V

ClientSampleId :

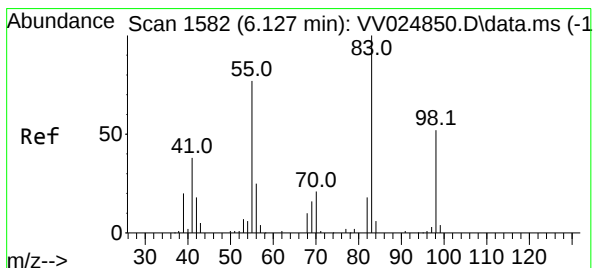
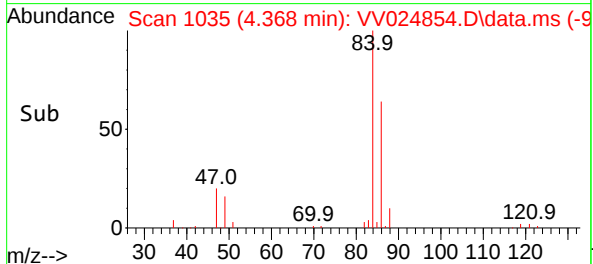
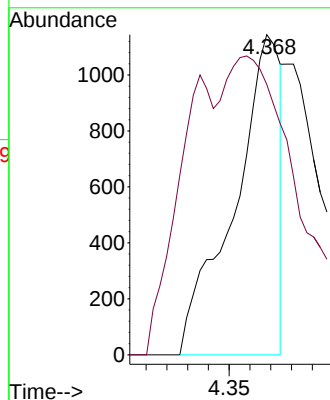
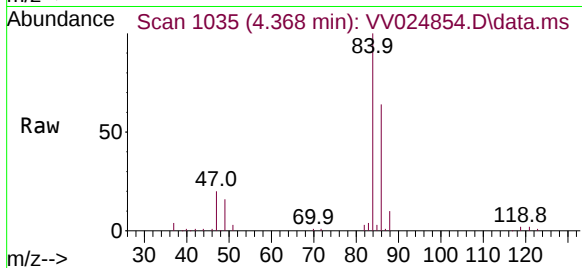
VBLK201

Tgt Ion: 83 Resp: 1764

Ion Ratio Lower Upper

83 100

85 84.4 45.1 83.9#



#35

Methylcyclohexane

Concen: 4.471 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.061 min

Lab File: VV024854.D

Acq: 02 Mar 2022 14:33

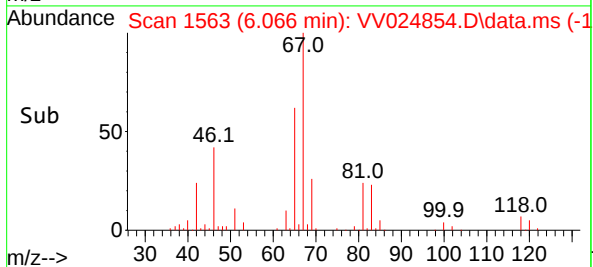
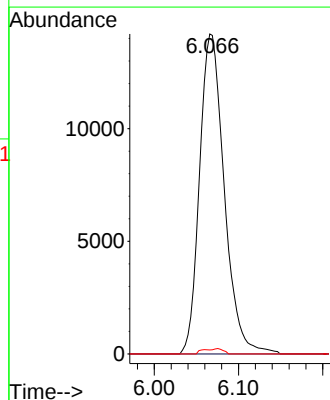
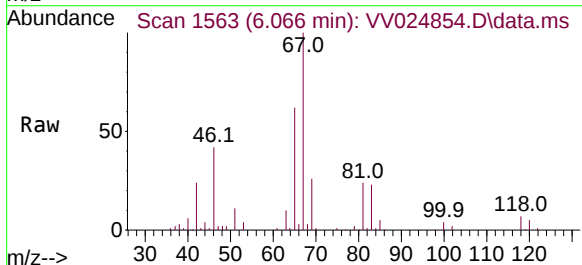
Tgt Ion: 83 Resp: 28974

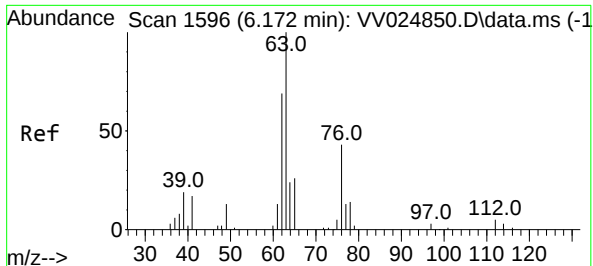
Ion Ratio Lower Upper

83 100

55 0.0 58.3 87.5#

98 0.6 39.2 58.8#





#37

1,2-Dichloropropane

Concen: 3.835 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV024854.D

Acq: 02 Mar 2022 14:33

Instrument :

MSVOA_V

ClientSampleId :

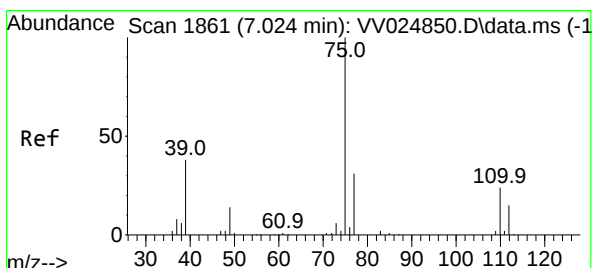
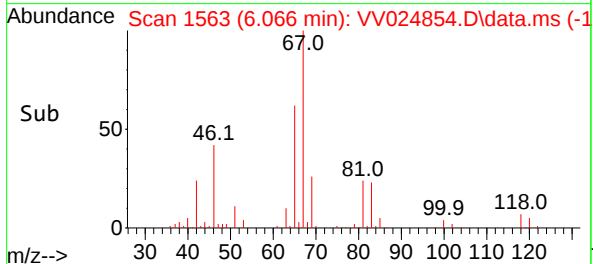
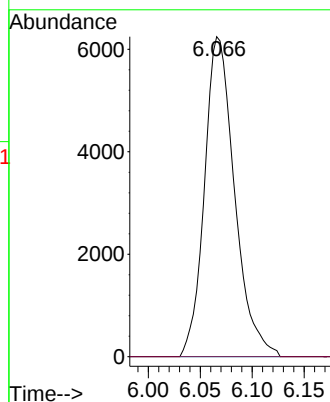
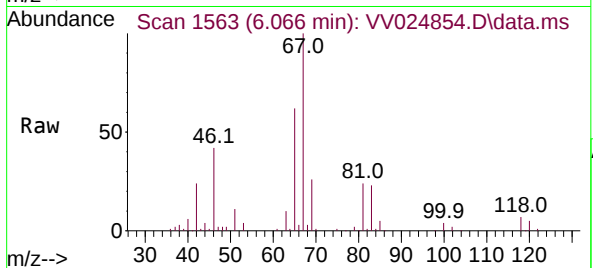
VBLK201

Tgt Ion: 63 Resp: 12613

Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#



#39

cis-1,3-Dichloropropene

Concen: 0.723 ug/L

RT: 6.982 min Scan# 1848

Delta R.T. -0.042 min

Lab File: VV024854.D

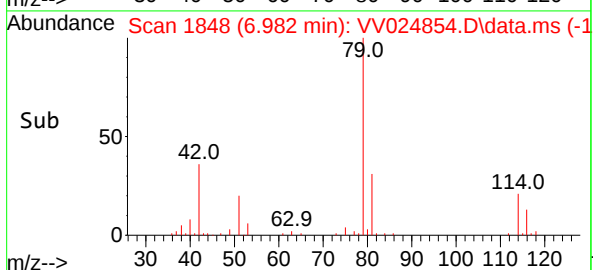
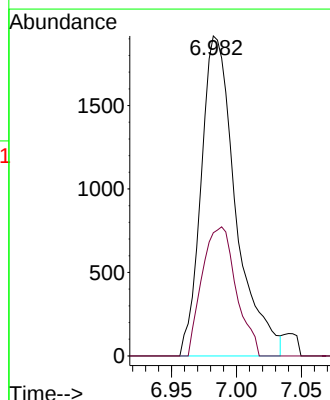
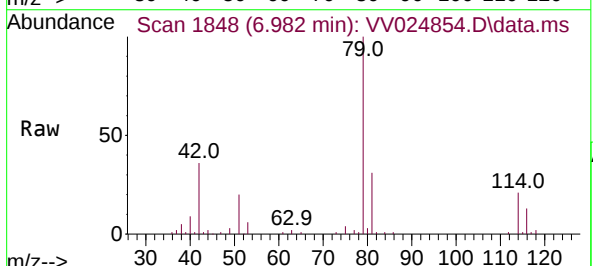
Acq: 02 Mar 2022 14:33

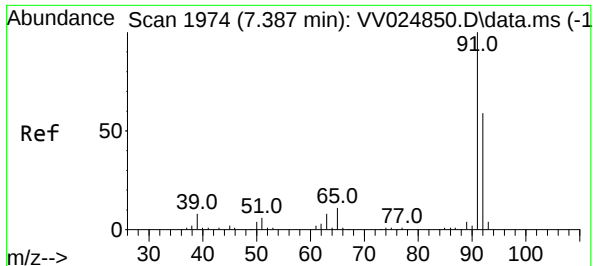
Tgt Ion: 75 Resp: 3548

Ion Ratio Lower Upper

75 100

77 38.5 22.0 41.0





#42

Toluene

Concen: 0.403 ug/L

RT: 7.397 min Scan# 1974

Delta R.T. 0.010 min

Lab File: VV024854.D

Acq: 02 Mar 2022 14:33

Instrument :

MSVOA_V

ClientSampleId :

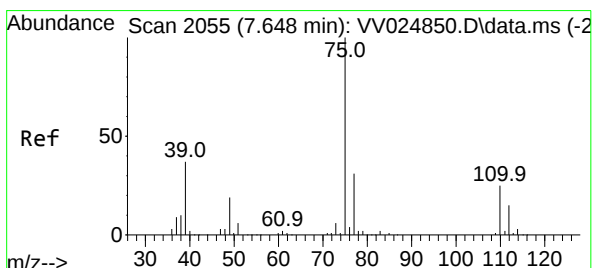
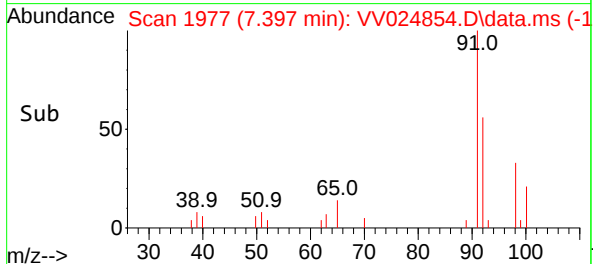
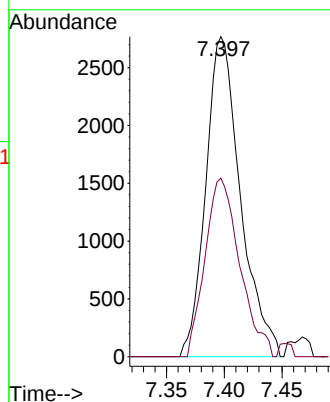
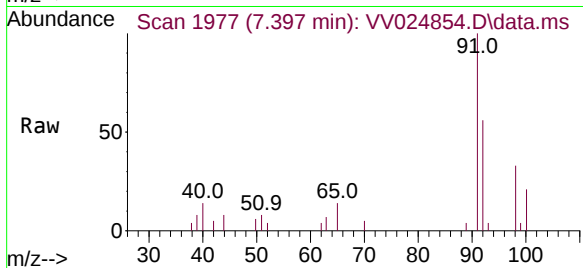
VBLK201

Tgt Ion: 91 Resp: 5784

Ion Ratio Lower Upper

91 100

92 55.8 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 0.484 ug/L

RT: 7.619 min Scan# 2046

Delta R.T. -0.029 min

Lab File: VV024854.D

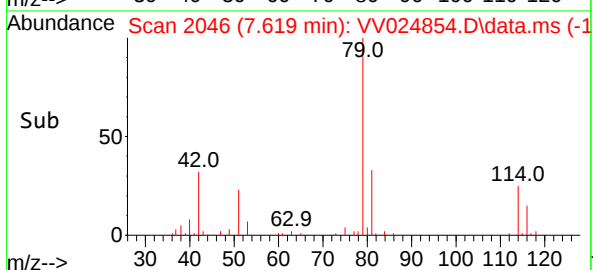
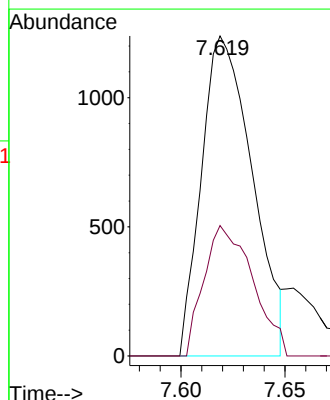
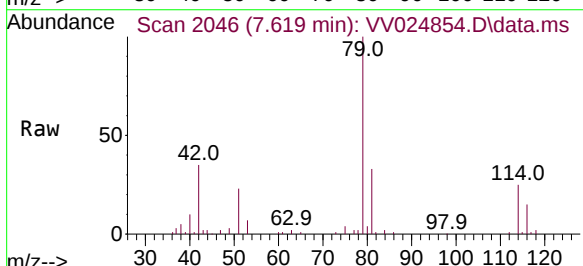
Acq: 02 Mar 2022 14:33

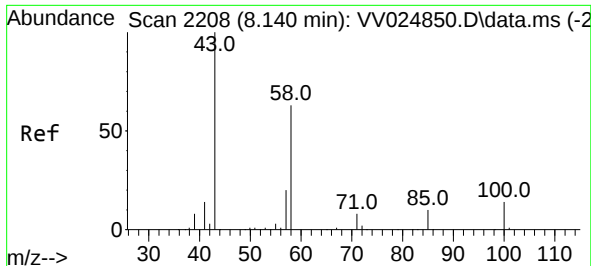
Tgt Ion: 75 Resp: 2102

Ion Ratio Lower Upper

75 100

77 40.8 21.6 40.2#





#48

2-Hexanone

Concen: 3.074 ug/L

RT: 8.149 min Scan# 21

Delta R.T. 0.010 min

Lab File: VV024854.D

Acq: 02 Mar 2022 14:33

Instrument :

MSVOA_V

ClientSampleId :

VBLK201

Tgt Ion: 43 Resp: 5382

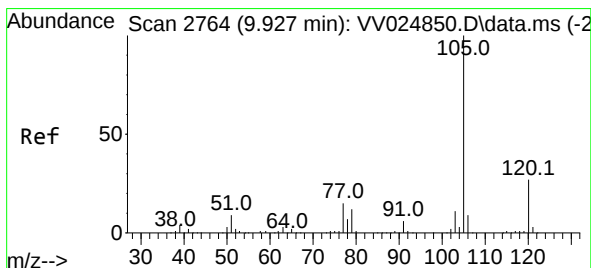
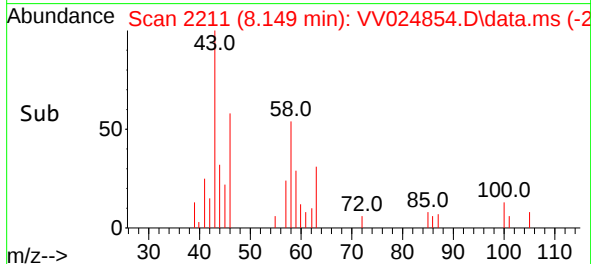
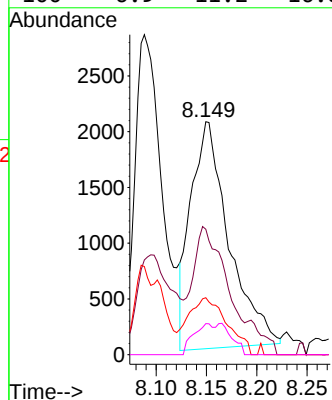
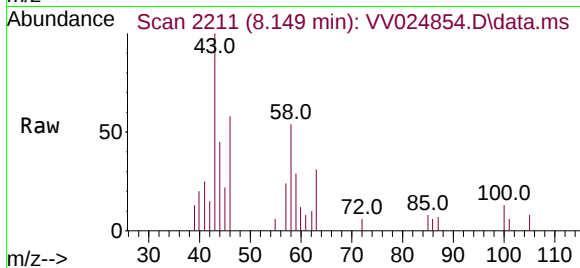
Ion Ratio Lower Upper

43 100

58 33.8 47.6 71.4#

57 25.8 17.0 25.6#

100 6.9 11.2 16.8#



#60

Isopropylbenzene

Concen: 0.027 ug/L

RT: 9.937 min Scan# 2767

Delta R.T. 0.010 min

Lab File: VV024854.D

Acq: 02 Mar 2022 14:33

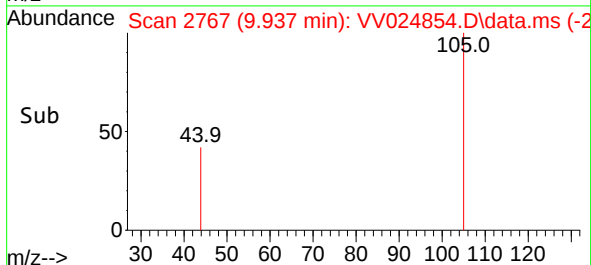
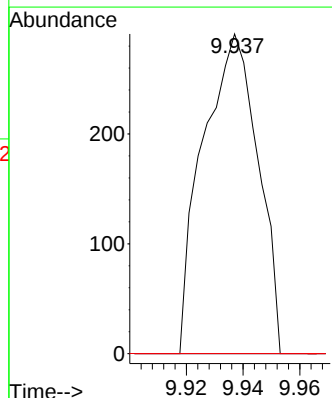
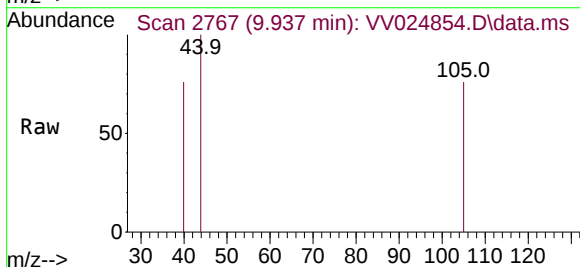
Tgt Ion: 105 Resp: 393

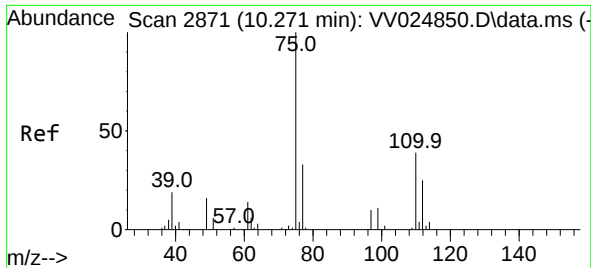
Ion Ratio Lower Upper

105 100

120 0.0 20.8 31.2#

77 0.0 12.4 18.6#

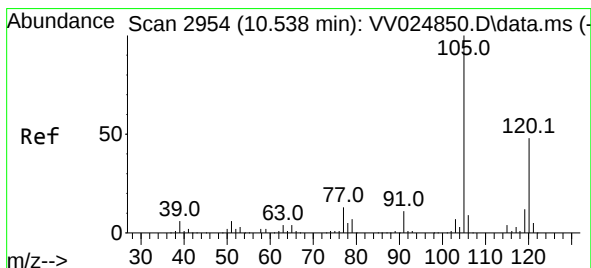
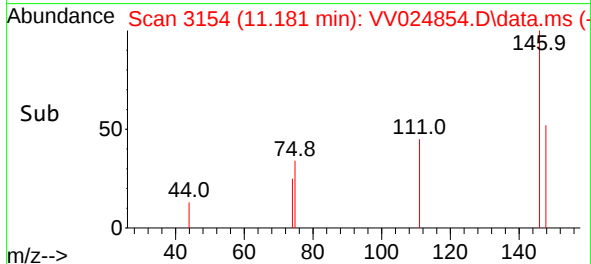
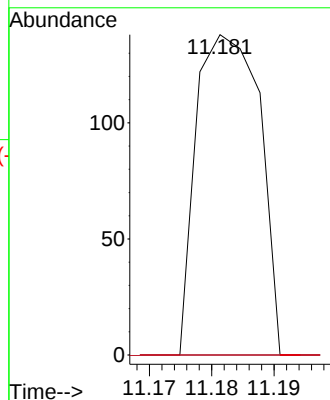
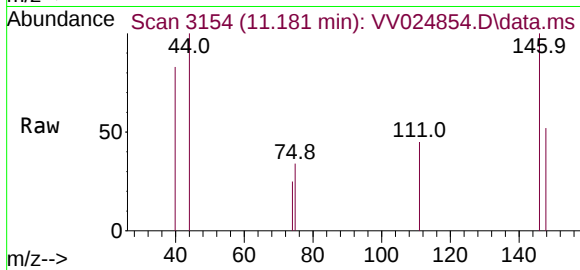




#61
1,2,3-Trichloropropane
Concen: 0.036 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. 0.910 min
Lab File: VV024854.D
Acq: 02 Mar 2022 14:33

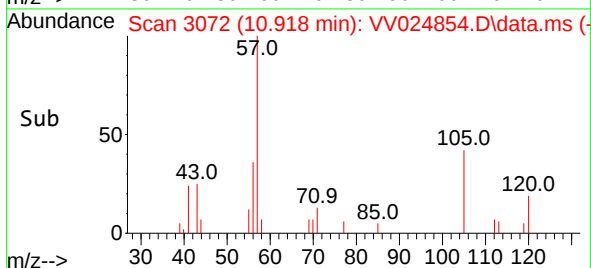
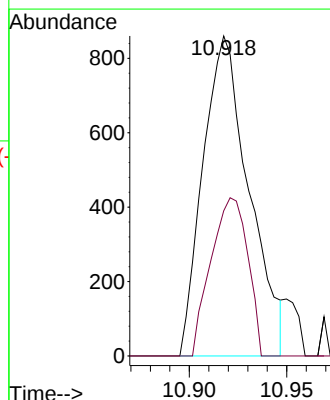
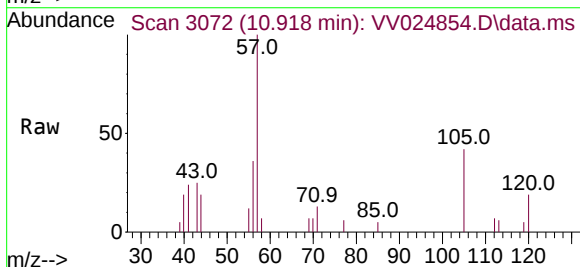
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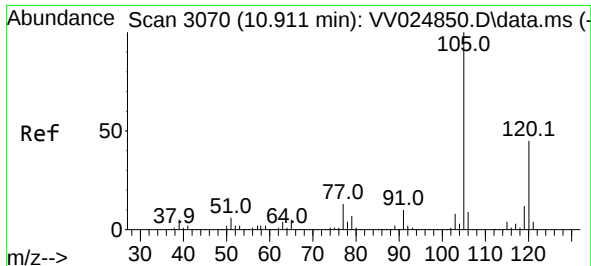
Tgt Ion: 75 Resp: 97
Ion Ratio Lower Upper
75 100
77 71.1 26.7 40.1#
110 0.0 31.4 47.2#



#62
1,3,5-Trimethylbenzene
Concen: 0.128 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.379 min
Lab File: VV024854.D
Acq: 02 Mar 2022 14:33

Tgt Ion: 105 Resp: 1410
Ion Ratio Lower Upper
105 100
120 39.6 38.5 57.7

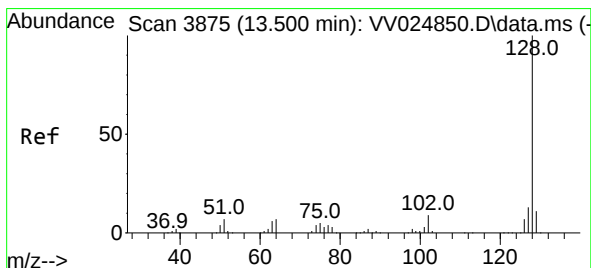
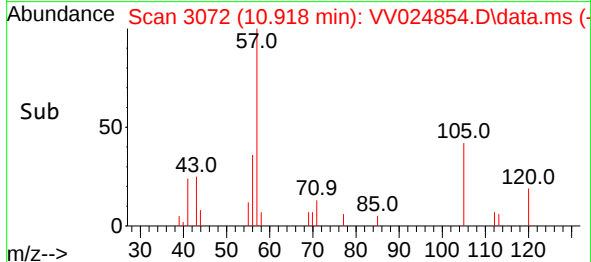
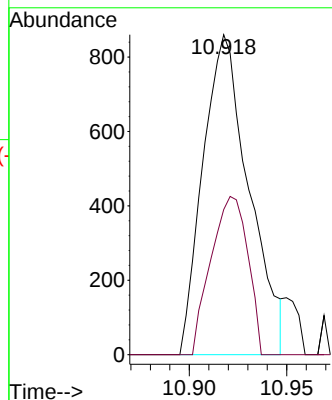
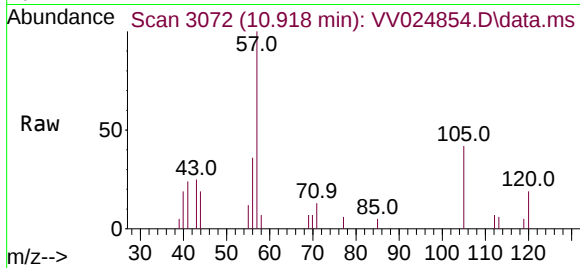




#63
1,2,4-Trimethylbenzene
Concen: 0.116 ug/L
RT: 10.918 min Scan# 3070
Delta R.T. 0.006 min
Lab File: VV024854.D
Acq: 02 Mar 2022 14:33

Instrument :
MSVOA_V
ClientSampleId :
VBLK201

Tgt Ion:105 Resp: 1410
Ion Ratio Lower Upper
105 100
120 39.6 35.8 53.8



#71
Naphthalene
Concen: 0.409 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.006 min
Lab File: VV024854.D
Acq: 02 Mar 2022 14:33

Tgt Ion:128 Resp: 4150
Ion Ratio Lower Upper
128 100
127 10.9 10.1 15.1
129 9.1 8.7 13.1

