

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042023\
 Data File : VV030704.D
 Acq On : 20 Apr 2023 10:06
 Operator : SY/MD
 Sample : VV0420WBL01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK327

Quant Time: Apr 21 00:15:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 21 00:14:50 2023
 Response via : Initial Calibration

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

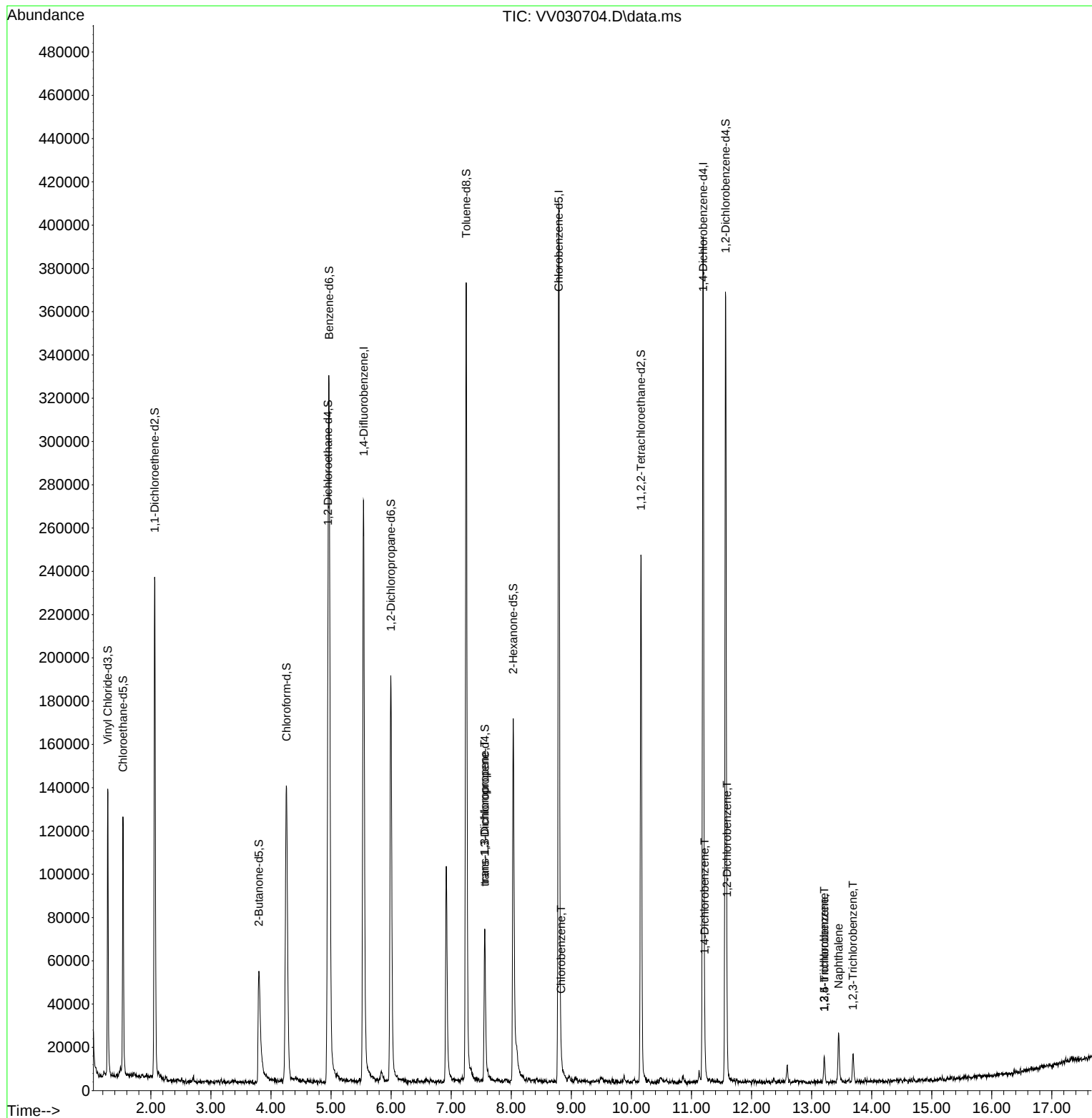
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	226409	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	216428	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	104117	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	86846	52.325	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.640%
7) Chloroethane-d5	1.535	69	69908	50.262	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.520%
11) 1,1-Dichloroethene-d2	2.063	65	39399	50.055	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.120%
21) 2-Butanone-d5	3.799	46	92356	101.308	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.310%
24) Chloroform-d	4.256	84	145174	48.265	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.520%
26) 1,2-Dichloroethane-d4	4.950	65	99418	51.410	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.820%
32) Benzene-d6	4.966	84	273917	53.531	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.060%
36) 1,2-Dichloropropane-d6	5.995	67	81339	51.174	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.340%
41) Toluene-d8	7.249	98	238728	49.690	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.380%
43) trans-1,3-Dichloroprop...	7.561	79	38192	47.673	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.340%
47) 2-Hexanone-d5	8.034	63	56663	90.494	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.490%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	108951	47.239	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.480%
66) 1,2-Dichlorobenzene-d4	11.570	152	90383	54.615	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.240%
Target Compounds						Qvalue
44) trans-1,3-Dichloropropene	7.558	75	2380	0.912	ug/L	97
51) Chlorobenzene	8.828	112	2658	0.570	ug/L	97
65) 1,4-Dichlorobenzene	11.220	146	3842	1.121	ug/L	90
67) 1,2-Dichlorobenzene	11.590	146	2873	0.876	ug/L #	85
69) 1,3,5-Trichlorobenzene	13.210	180	3136	1.277	ug/L	97
70) 1,2,4-trichlorobenzene	13.210	180	3136	1.504	ug/L	96
71) Naphthalene	13.451	128	17642	3.093	ug/L	97
72) 1,2,3-Trichlorobenzene	13.689	180	3925	1.898	ug/L	98

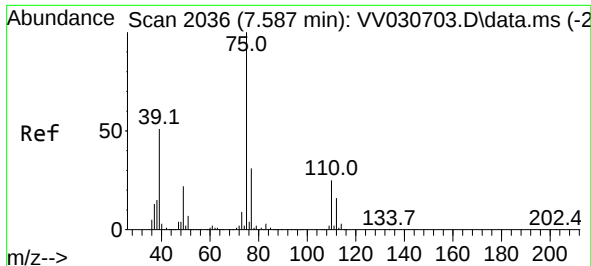
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Apr 21 00:14:50 2023
Response via : Initial Calibration





#44

trans-1,3-Dichloropropene

Concen: 0.912 ug/L

RT: 7.558 min Scan# 2036

Delta R.T. -0.029 min

Lab File: VV030704.D

Acq: 20 Apr 2023 10:06

Instrument :

MSVOA_V

ClientSampleId :

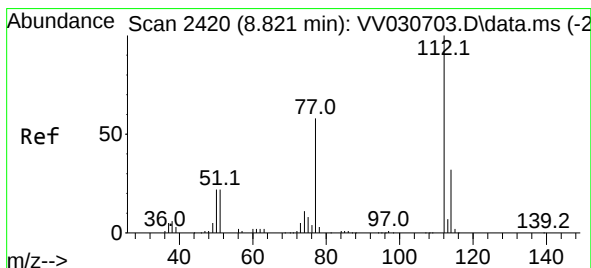
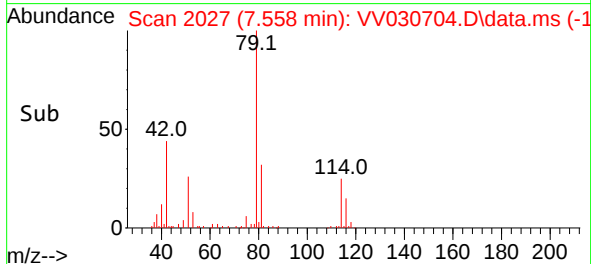
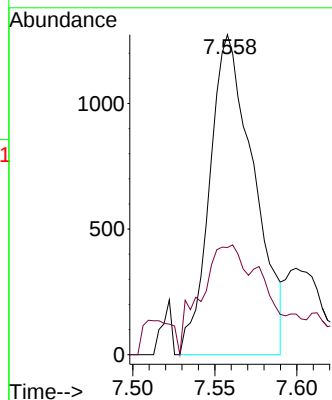
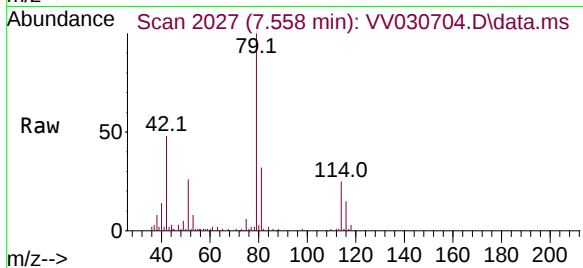
VBLK327

Tgt Ion: 75 Resp: 2380

Ion Ratio Lower Upper

75 100

77 33.5 22.1 41.1



#51

Chlorobenzene

Concen: 0.570 ug/L

RT: 8.828 min Scan# 2422

Delta R.T. 0.006 min

Lab File: VV030704.D

Acq: 20 Apr 2023 10:06

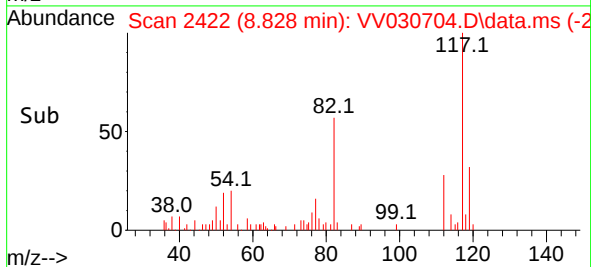
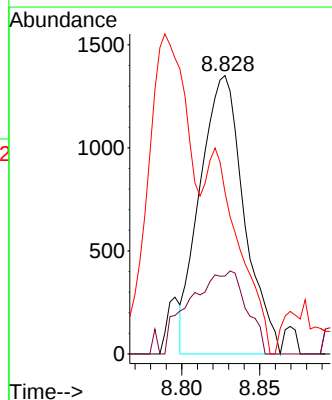
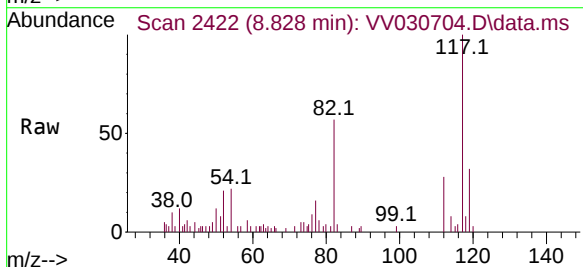
Tgt Ion: 112 Resp: 2658

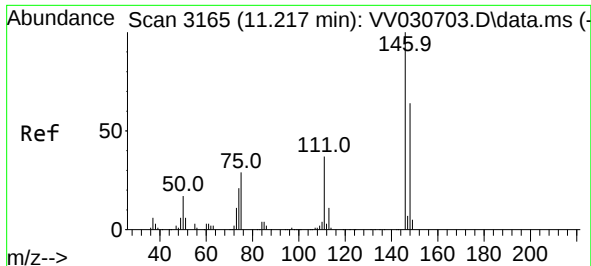
Ion Ratio Lower Upper

112 100

114 28.0 22.4 41.6

77 58.1 47.4 71.0





#65

1,4-Dichlorobenzene

Concen: 1.121 ug/L

RT: 11.220 min Scan# 3166

Delta R.T. 0.003 min

Lab File: VV030704.D

Acq: 20 Apr 2023 10:06

Instrument :

MSVOA_V

ClientSampleId :

VBLK327

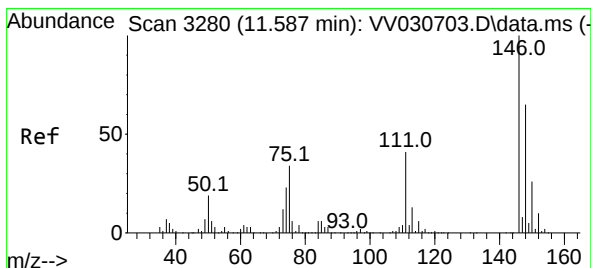
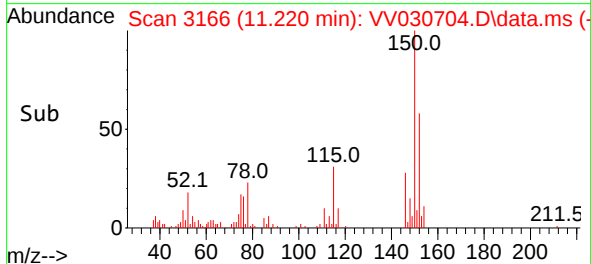
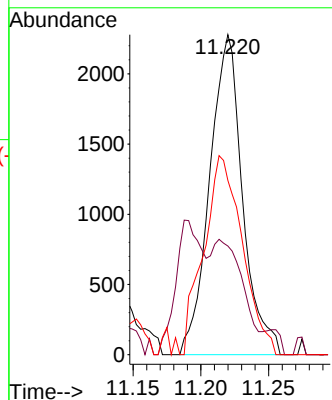
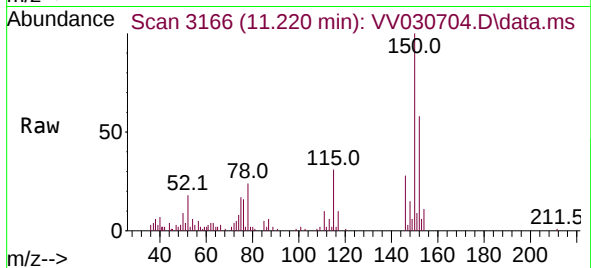
Tgt Ion:146 Resp: 3842

Ion Ratio Lower Upper

146 100

111 34.0 26.5 49.1

148 54.5 44.7 83.1



#67

1,2-Dichlorobenzene

Concen: 0.876 ug/L

RT: 11.590 min Scan# 3281

Delta R.T. 0.003 min

Lab File: VV030704.D

Acq: 20 Apr 2023 10:06

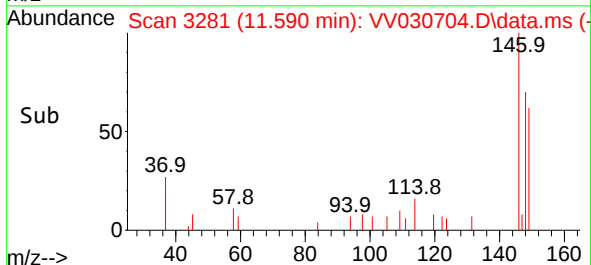
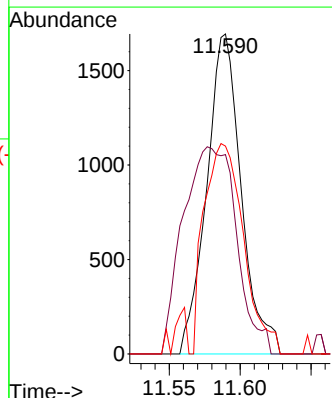
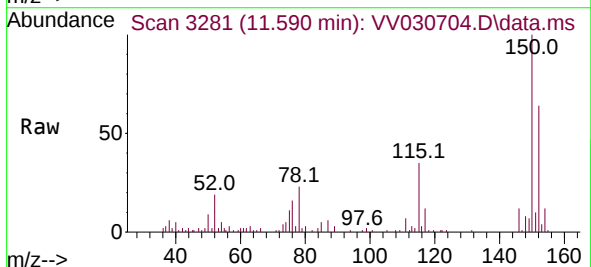
Tgt Ion:146 Resp: 2873

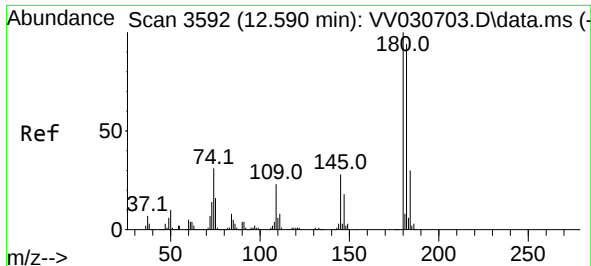
Ion Ratio Lower Upper

146 100

111 62.3 32.0 48.0#

148 64.9 50.6 76.0

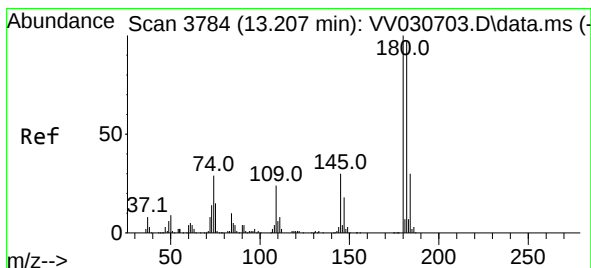
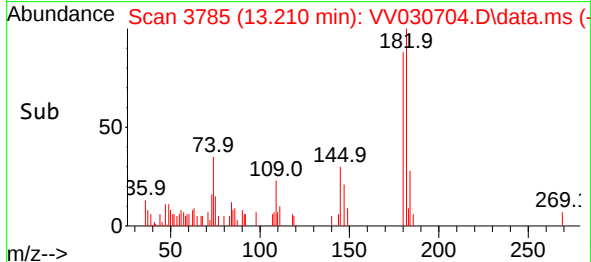
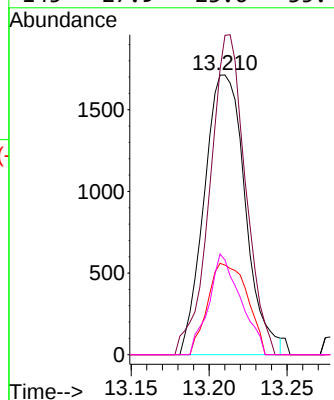
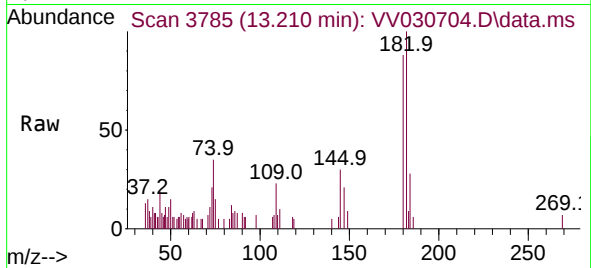




#69
 1,3,5-Trichlorobenzene
 Concen: 1.277 ug/L
 RT: 13.210 min Scan# 3136
 Delta R.T. 0.620 min
 Lab File: VV030704.D
 Acq: 20 Apr 2023 10:06

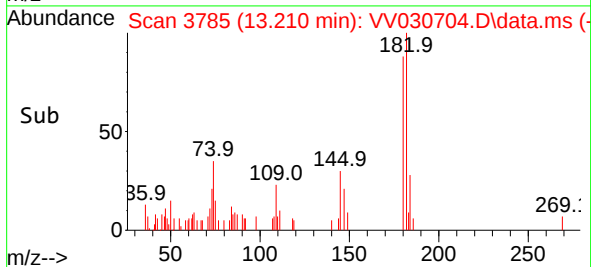
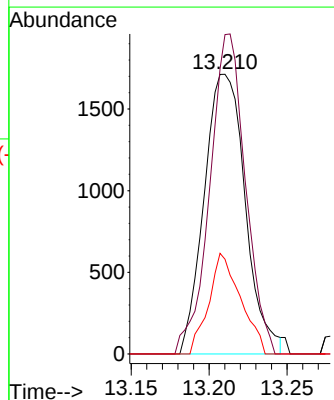
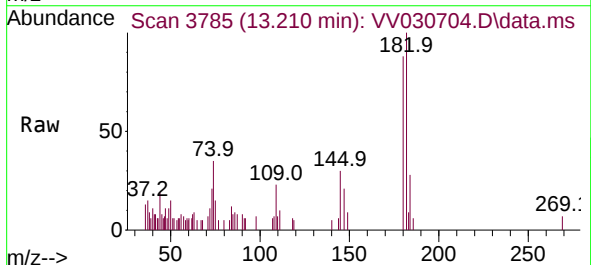
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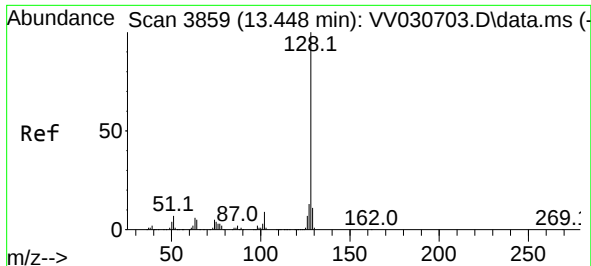
Tgt Ion:180	Resp:	3136	
Ion	Ratio	Lower	Upper
180	100		
182	99.1	76.4	114.6
184	31.3	24.1	36.1
145	27.9	23.6	35.4



#70
 1,2,4-trichlorobenzene
 Concen: 1.504 ug/L
 RT: 13.210 min Scan# 3785
 Delta R.T. 0.003 min
 Lab File: VV030704.D
 Acq: 20 Apr 2023 10:06

Tgt Ion:180	Resp:	3136	
Ion	Ratio	Lower	Upper
180	100		
182	99.1	75.9	113.9
145	27.9	23.4	35.2

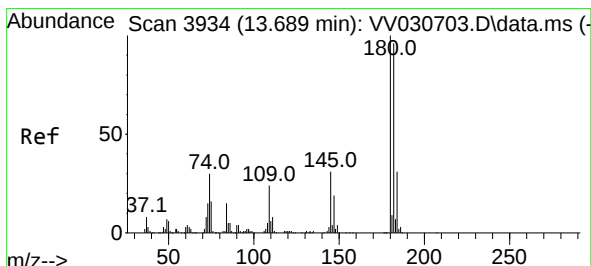
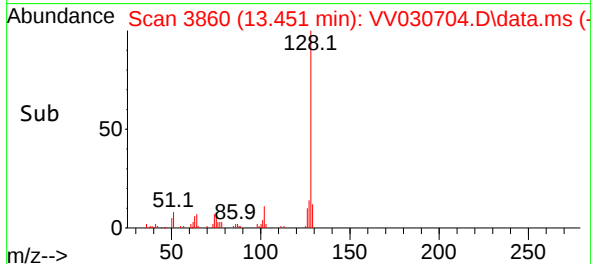
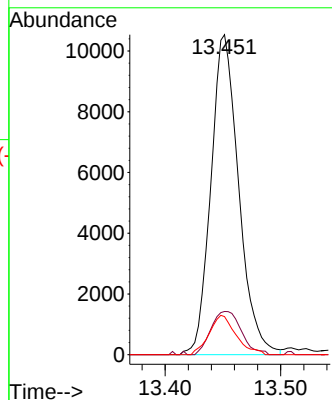
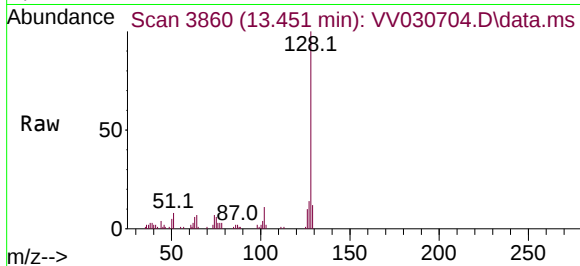




#71
Naphthalene
Concen: 3.093 ug/L
RT: 13.451 min Scan# 3860
Delta R.T. 0.003 min
Lab File: VV030704.D
Acq: 20 Apr 2023 10:06

Instrument :
MSVOA_V
ClientSampleId :
VBLK327

Tgt Ion:	128	Resp:	17642
Ion Ratio	Lower	Upper	
128	100		
127	14.8	10.7	16.1
129	11.9	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 1.898 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. -0.000 min
Lab File: VV030704.D
Acq: 20 Apr 2023 10:06

Tgt Ion:	180	Resp:	3925
Ion Ratio	Lower	Upper	
180	100		
182	94.8	76.2	114.4
145	33.9	25.1	37.7

