

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031424\
 Data File : VV034606.D
 Acq On : 14 Mar 2024 16:15
 Operator : SY/MD
 Sample : P1728-02DL 20X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 15 03:37:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 15 03:33:21 2024
 Response via : Initial Calibration

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

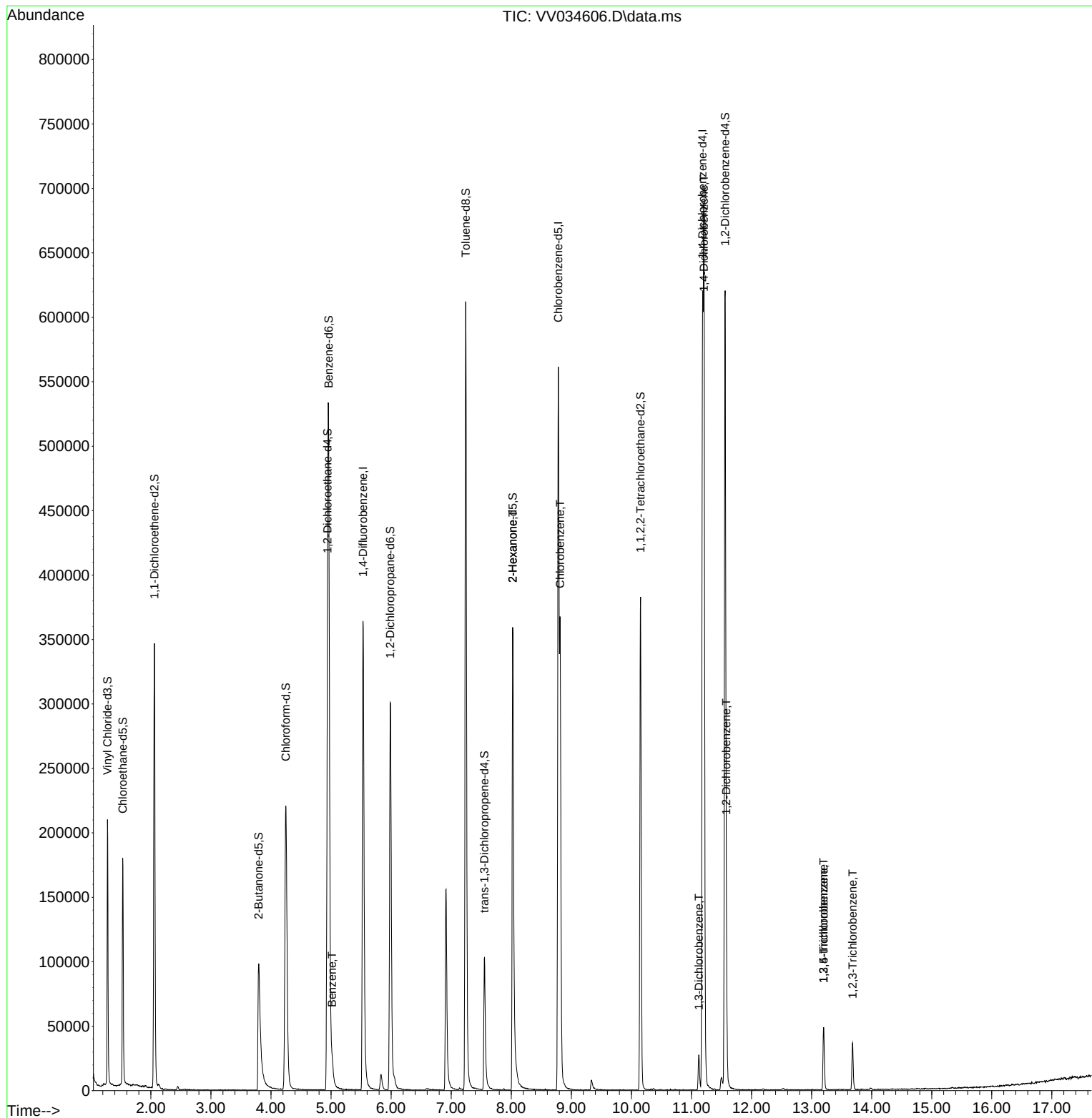
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	310992	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	285062	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	140069	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	129702	48.109	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 96.220%			
7) Chloroethane-d5	1.532	69	105551	50.254	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.500%			
11) 1,1-Dichloroethene-d2	2.060	65	58713	48.155	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 96.300%			
21) 2-Butanone-d5	3.796	46	183196	101.612	ug/L	0.01
Spiked Amount 100.000	Range 40 - 130		Recovery = 101.610%			
24) Chloroform-d	4.246	84	234530	49.201	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.400%			
26) 1,2-Dichloroethane-d4	4.940	65	160402	51.494	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.980%			
32) Benzene-d6	4.960	84	462058	53.707	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 107.420%			
36) 1,2-Dichloropropane-d6	5.985	67	144728	55.123	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 110.240%			
41) Toluene-d8	7.243	98	404770	51.990	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.980%			
43) trans-1,3-Dichloroprop...	7.554	79	62520	47.419	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 94.840%			
47) 2-Hexanone-d5	8.024	63	126253	96.297	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 96.300%			
56) 1,1,2,2-Tetrachloroeth...	10.152	84	176365	51.044	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 102.080%			
66) 1,2-Dichlorobenzene-d4	11.561	152	150093	52.424	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.840%			
Target Compounds					Qvalue	
33) Benzene	5.014	78	17328	1.958	ug/L	100
48) 2-Hexanone	8.024	43	15806	5.807	ug/L #	72
51) Chlorobenzene	8.815	112	187510	30.973	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	11477	2.506	ug/L	93
65) 1,4-Dichlorobenzene	11.207	146	250402	53.834	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	32333	7.045	ug/L	99
69) 1,3,5-Trichlorobenzene	13.201	180	14675	4.271	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	14675	4.746	ug/L	98
72) 1,2,3-Trichlorobenzene	13.683	180	11335	3.758	ug/L	98

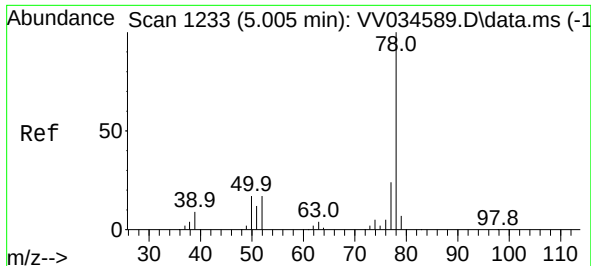
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 15 03:33:21 2024
Response via : Initial Calibration





#33

Benzene

Concen: 1.958 ug/L

RT: 5.014 min Scan# 11

Delta R.T. 0.010 min

Lab File: VV034606.D

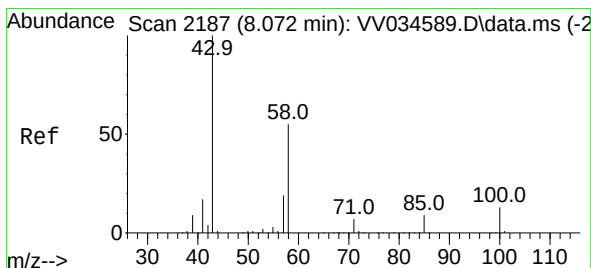
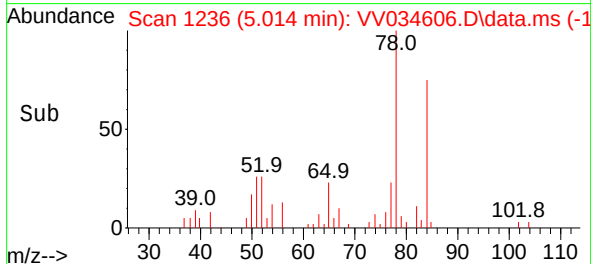
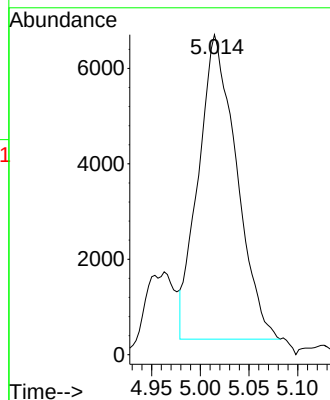
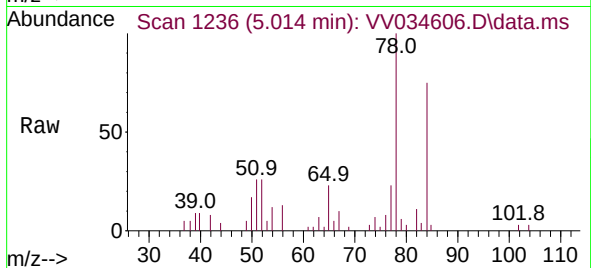
Acq: 14 Mar 2024 16:15

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 17328



#48

2-Hexanone

Concen: 5.807 ug/L

RT: 8.024 min Scan# 2172

Delta R.T. -0.048 min

Lab File: VV034606.D

Acq: 14 Mar 2024 16:15

Tgt Ion: 43 Resp: 15806

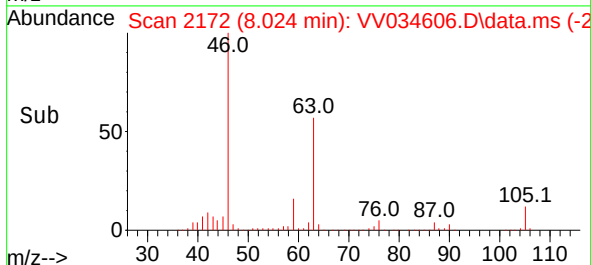
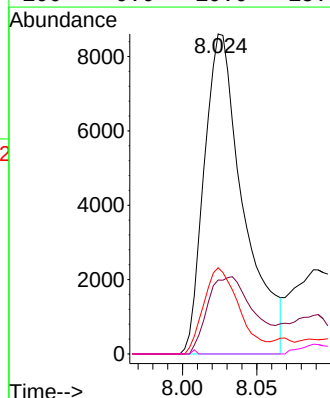
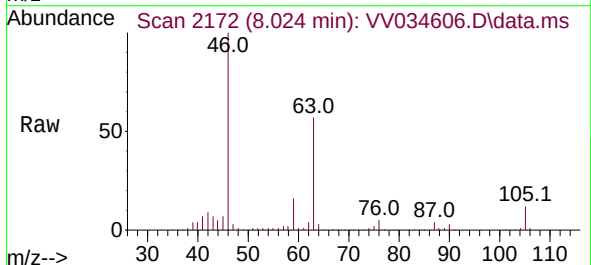
Ion Ratio Lower Upper

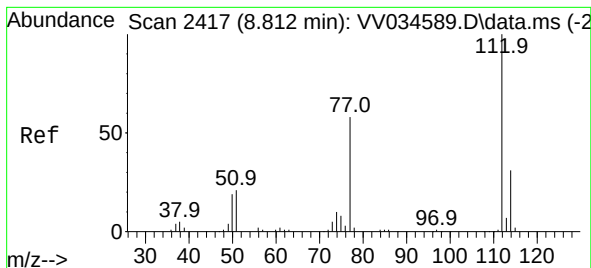
43 100

58 28.9 42.0 63.0#

57 24.4 15.2 22.8#

100 0.0 10.0 15.0#





#51

Chlorobenzene

Concen: 30.973 ug/L

RT: 8.815 min Scan# 2417

Delta R.T. 0.003 min

Lab File: VV034606.D

Acq: 14 Mar 2024 16:15

Instrument :

MSVOA_V

ClientSampleId :

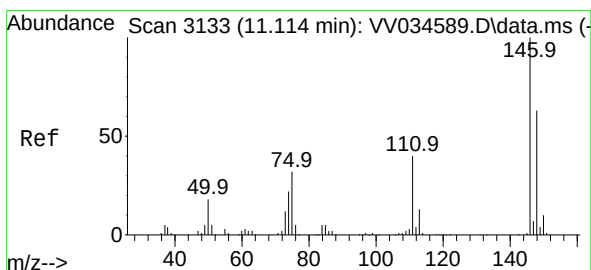
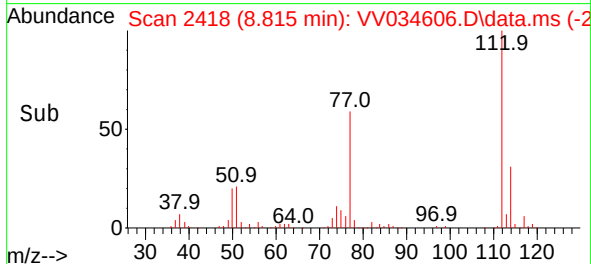
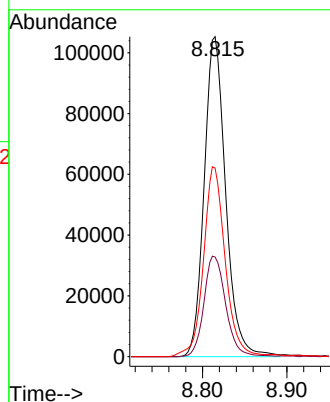
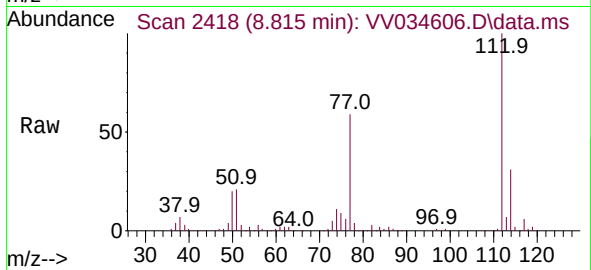
Tgt Ion:112 Resp: 187510

Ion Ratio Lower Upper

112 100

114 31.2 22.3 41.5

77 58.9 47.7 71.5



#64

1,3-Dichlorobenzene

Concen: 2.506 ug/L

RT: 11.123 min Scan# 3136

Delta R.T. 0.010 min

Lab File: VV034606.D

Acq: 14 Mar 2024 16:15

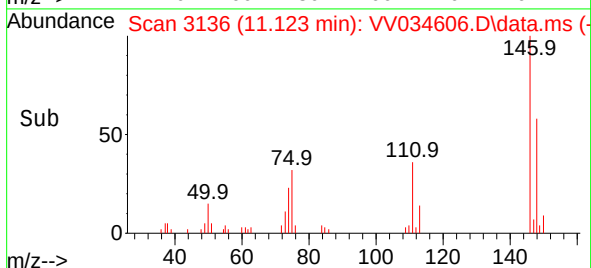
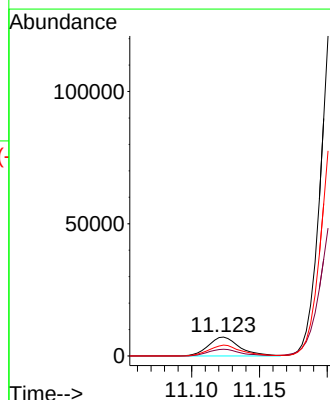
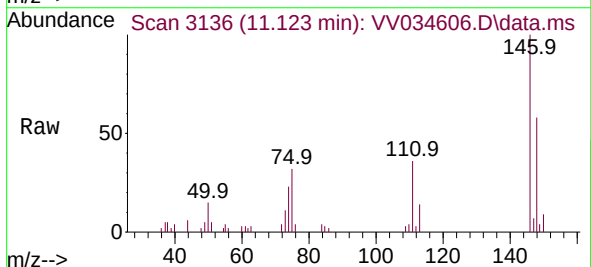
Tgt Ion:146 Resp: 11477

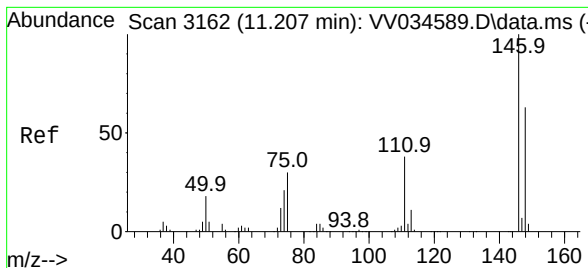
Ion Ratio Lower Upper

146 100

111 35.5 27.9 51.7

148 57.6 44.2 82.0





#65

1,4-Dichlorobenzene

Concen: 53.834 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV034606.D

Acq: 14 Mar 2024 16:15

Instrument :

MSVOA_V

ClientSampleId :

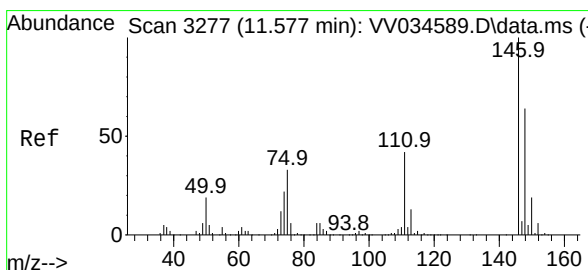
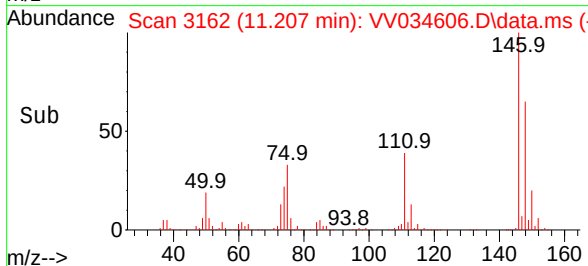
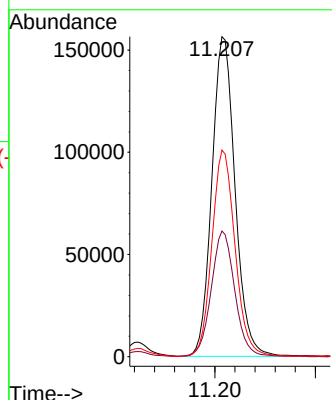
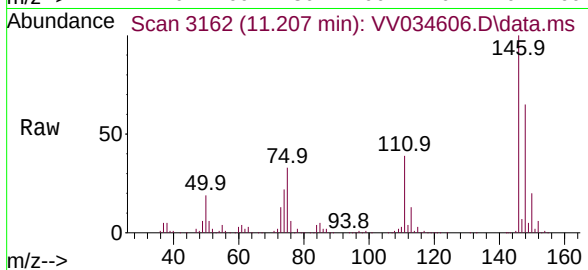
Tgt Ion:146 Resp: 250402

Ion Ratio Lower Upper

146 100

111 39.2 26.5 49.1

148 64.5 44.0 81.8



#67

1,2-Dichlorobenzene

Concen: 7.045 ug/L

RT: 11.580 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VV034606.D

Acq: 14 Mar 2024 16:15

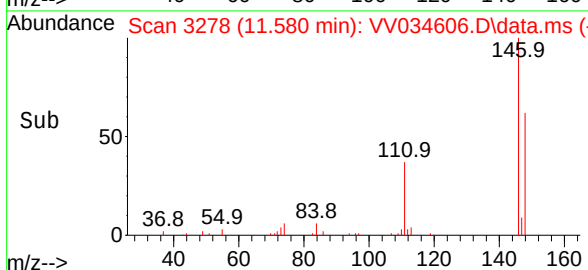
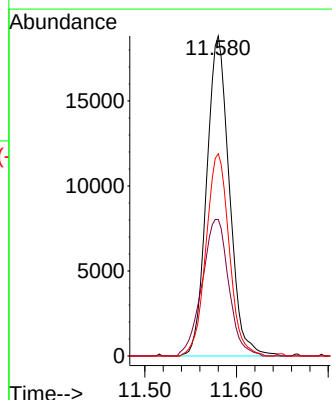
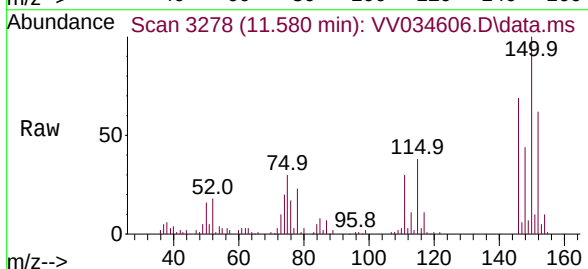
Tgt Ion:146 Resp: 32333

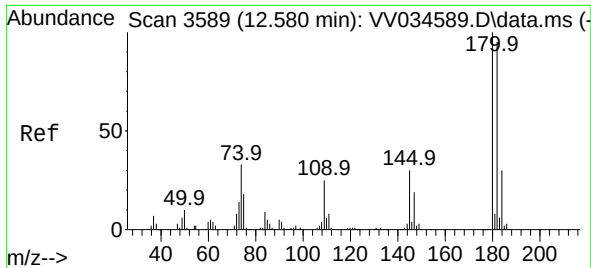
Ion Ratio Lower Upper

146 100

111 42.7 33.8 50.8

148 63.2 51.3 76.9





#69

1,3,5-Trichlorobenzene

Concen: 4.271 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.621 min

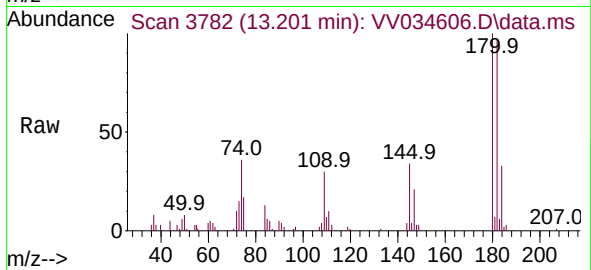
Lab File: VV034606.D

Acq: 14 Mar 2024 16:15

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 14675

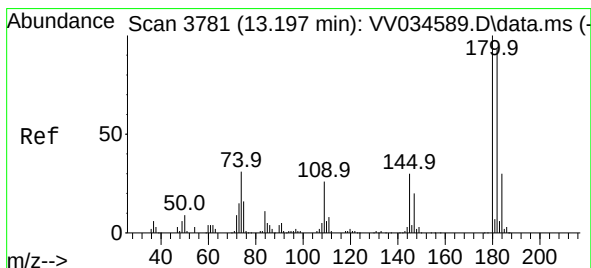
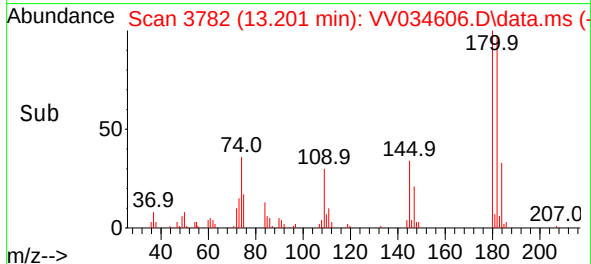
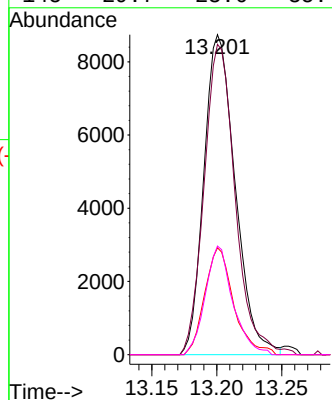
Ion Ratio Lower Upper

180 100

182 95.6 74.6 112.0

184 30.4 23.6 35.4

145 29.7 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 4.746 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.003 min

Lab File: VV034606.D

Acq: 14 Mar 2024 16:15

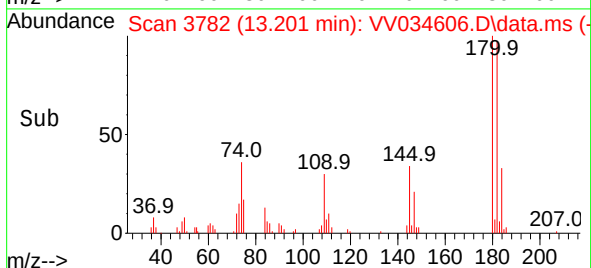
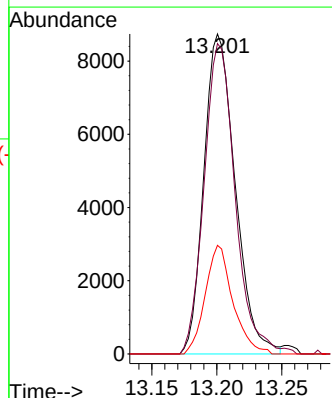
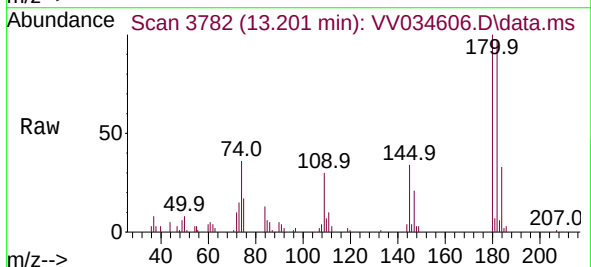
Tgt Ion:180 Resp: 14675

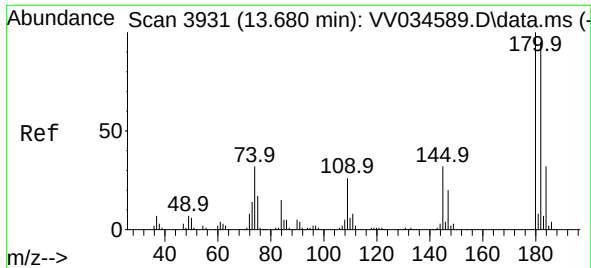
Ion Ratio Lower Upper

180 100

182 95.6 74.8 112.2

145 29.7 24.2 36.4





#72

1,2,3-Trichlorobenzene

Concen: 3.758 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.003 min

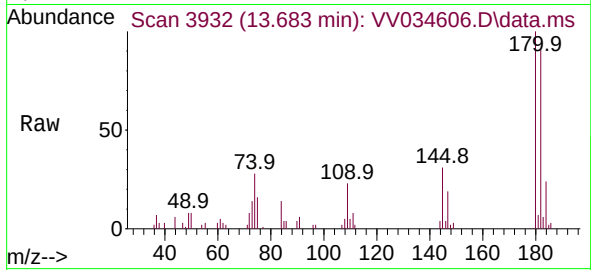
Lab File: VV034606.D

Acq: 14 Mar 2024 16:15

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 11335

Ion Ratio Lower Upper

180 100

182 92.7 75.9 113.9

145 32.2 25.5 38.3

