

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW020224\
 Data File : VW033972.D
 Acq On : 02 Feb 2024 16:04
 Operator : SY/MD
 Sample : P1348-05DL 500X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 03 03:37:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 03 01:42:15 2024
 Response via : Initial Calibration

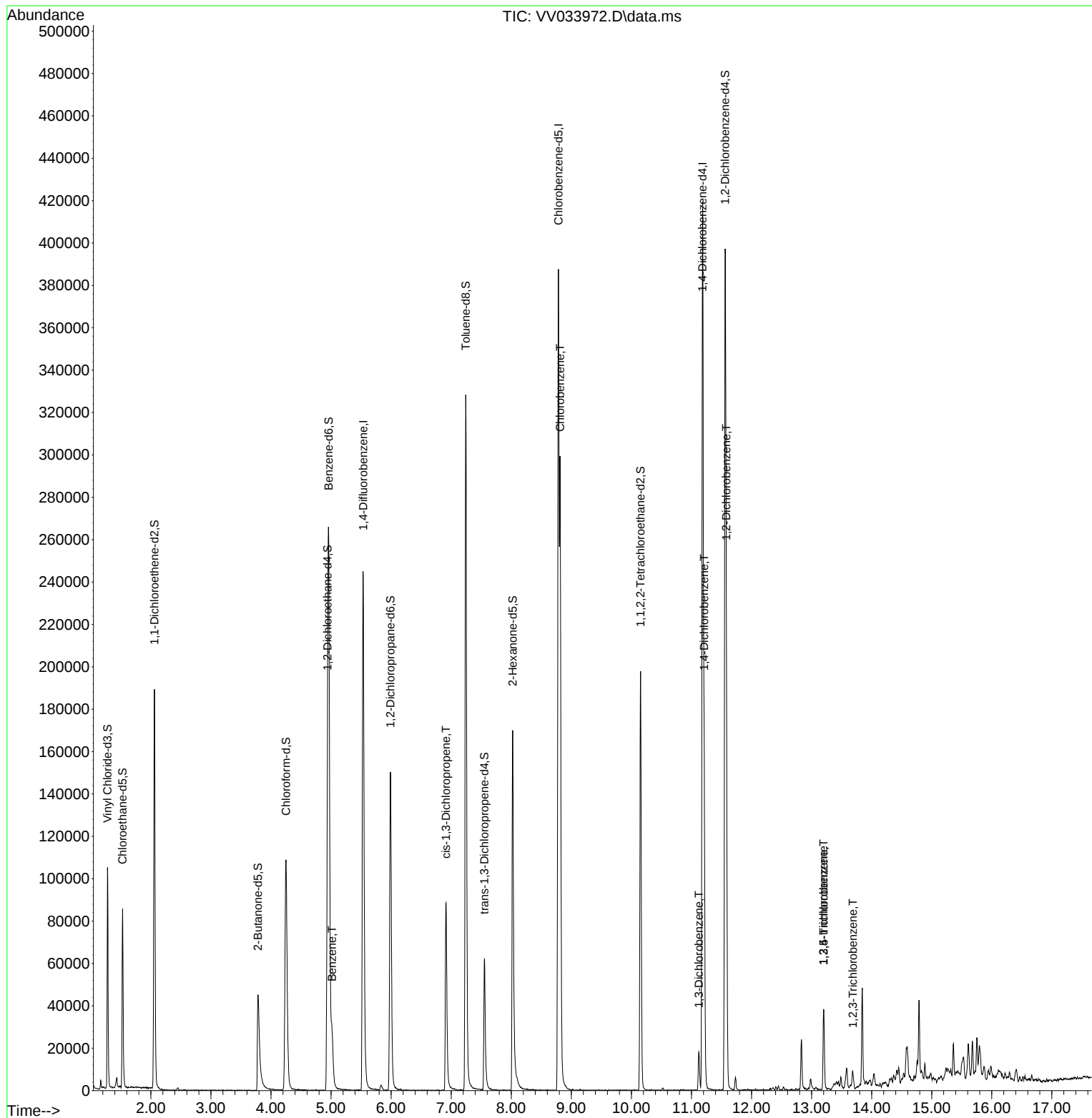
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	205907	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	197635	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	101479	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	69020	43.615	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.220%
7) Chloroethane-d5	1.529	69	54952	43.849	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.700%
11) 1,1-Dichloroethene-d2	2.060	65	31911	46.855	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.720%
21) 2-Butanone-d5	3.783	46	76278	70.274	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	70.270%
24) Chloroform-d	4.249	84	117258	41.439	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.880%
26) 1,2-Dichloroethane-d4	4.941	65	81065	44.338	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.680%
32) Benzene-d6	4.960	84	229810	40.901	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.800%
36) 1,2-Dichloropropane-d6	5.989	67	69476	37.566	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	75.140%
41) Toluene-d8	7.243	98	214517	42.374	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.740%
43) trans-1,3-Dichloroprop...	7.555	79	36166	39.567	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.140%
47) 2-Hexanone-d5	8.024	63	58569	76.346	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	76.350%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	90738	38.431	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	76.860%
66) 1,2-Dichlorobenzene-d4	11.561	152	85331	44.320	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.640%
Target Compounds						
33) Benzene	5.015	78	26818	4.620	ug/L	100
39) cis-1,3-Dichloropropene	6.915	75	2820	1.057	ug/L #	82
51) Chlorobenzene	8.815	112	146603	37.507	ug/L	97
64) 1,3-Dichlorobenzene	11.124	146	7880	2.541	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	59556	19.152	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	72501	23.925	ug/L	93
69) 1,3,5-Trichlorobenzene	13.201	180	11653	5.085	ug/L	96
70) 1,2,4-trichlorobenzene	13.201	180	11653	5.602	ug/L	95
72) 1,2,3-Trichlorobenzene	13.686	180	2641	1.360	ug/L	94

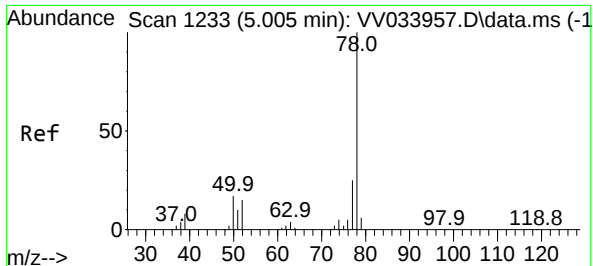
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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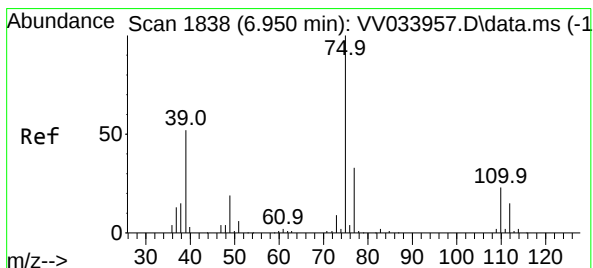
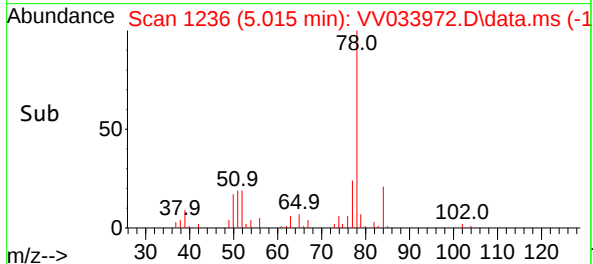
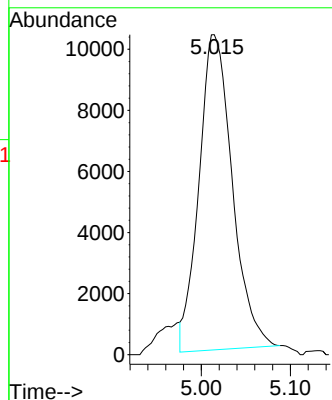
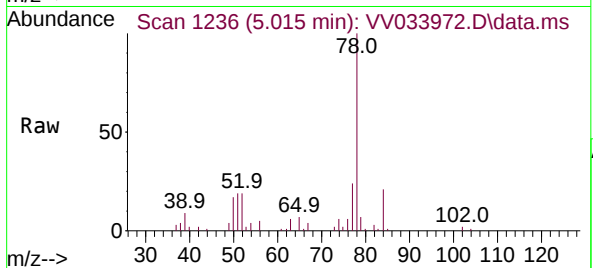




#33
Benzene
Concen: 4.620 ug/L
RT: 5.015 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV033972.D
Acq: 02 Feb 2024 16:04

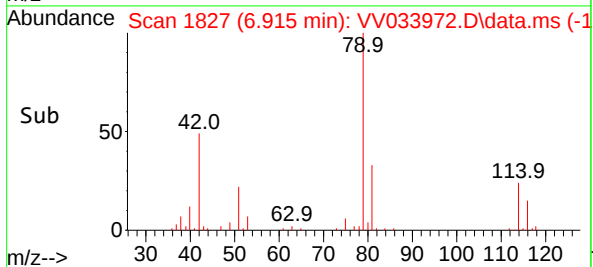
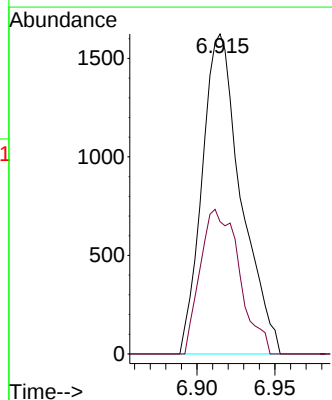
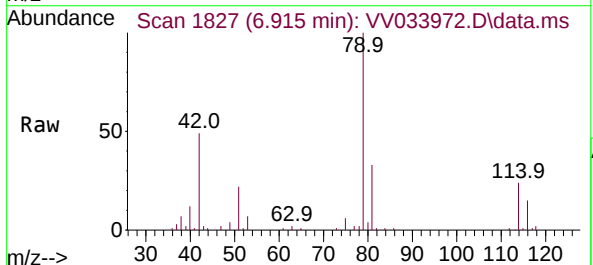
Instrument :
MSVOA_V
ClientSampleId :

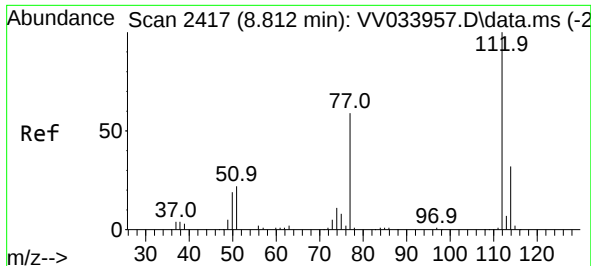
Tgt Ion: 78 Resp: 26818



#39
cis-1,3-Dichloropropene
Concen: 1.057 ug/L
RT: 6.915 min Scan# 1827
Delta R.T. -0.035 min
Lab File: VV033972.D
Acq: 02 Feb 2024 16:04

Tgt Ion: 75 Resp: 2820
Ion Ratio Lower Upper
75 100
77 41.3 22.0 41.0#





#51

Chlorobenzene

Concen: 37.507 ug/L

RT: 8.815 min Scan# 2417

Delta R.T. 0.003 min

Lab File: VV033972.D

Acq: 02 Feb 2024 16:04

Instrument :

MSVOA_V

ClientSampleId :

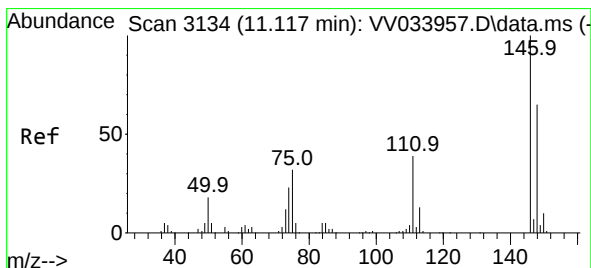
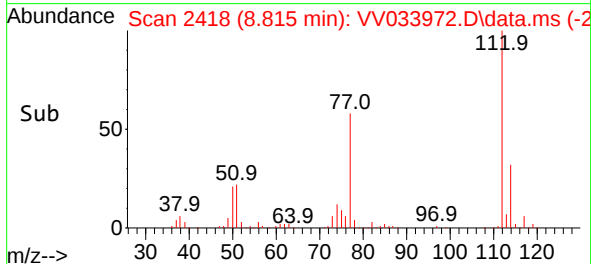
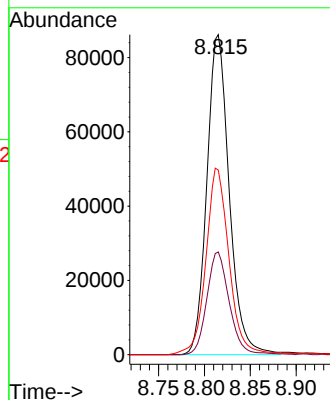
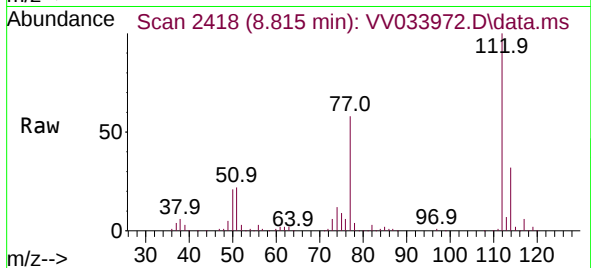
Tgt Ion:112 Resp: 146603

Ion Ratio Lower Upper

112 100

114 32.1 22.5 41.7

77 57.7 49.4 74.0



#64

1,3-Dichlorobenzene

Concen: 2.541 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. 0.006 min

Lab File: VV033972.D

Acq: 02 Feb 2024 16:04

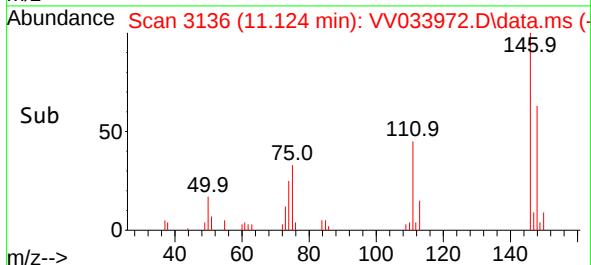
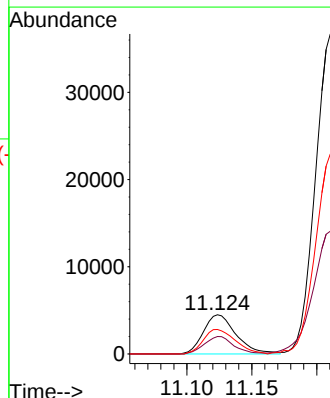
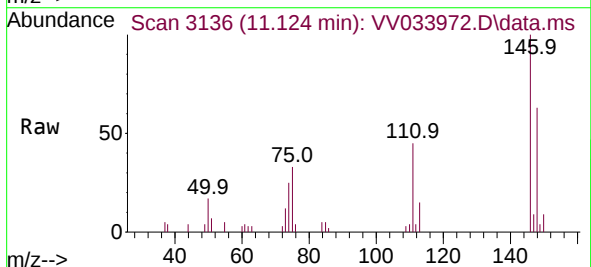
Tgt Ion:146 Resp: 7880

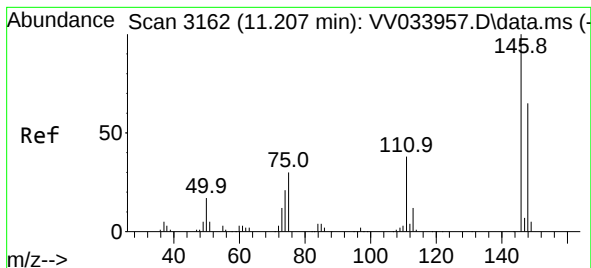
Ion Ratio Lower Upper

146 100

111 44.5 29.0 53.8

148 62.7 43.9 81.5





#65

1,4-Dichlorobenzene

Concen: 19.152 ug/L

RT: 11.210 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV033972.D

Acq: 02 Feb 2024 16:04

Instrument :

MSVOA_V

ClientSampleId :

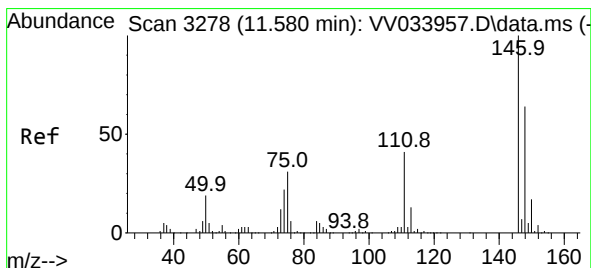
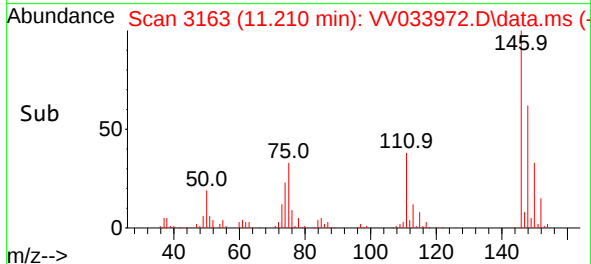
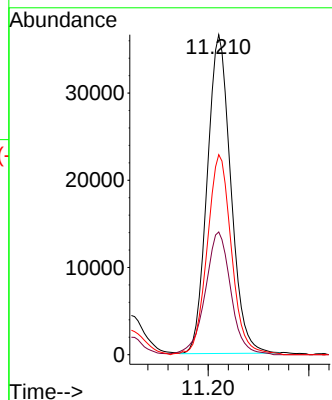
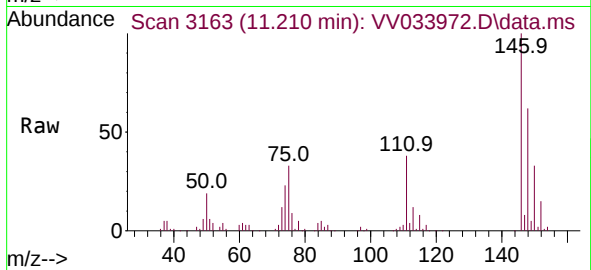
Tgt Ion:146 Resp: 59556

Ion Ratio Lower Upper

146 100

111 38.3 27.7 51.5

148 62.5 44.1 81.9



#67

1,2-Dichlorobenzene

Concen: 23.925 ug/L

RT: 11.580 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VV033972.D

Acq: 02 Feb 2024 16:04

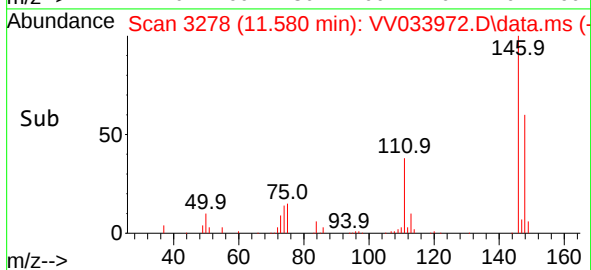
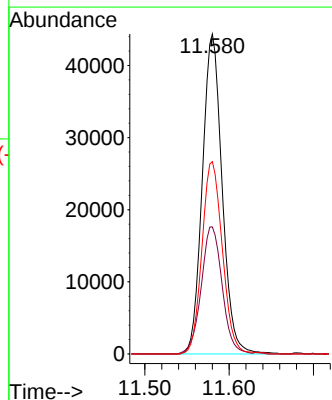
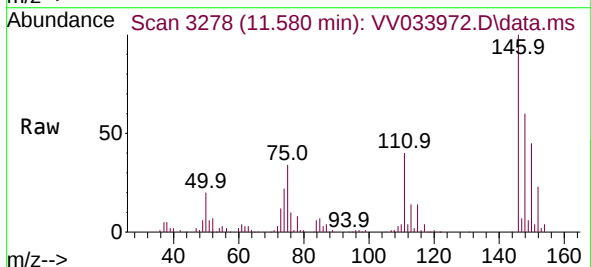
Tgt Ion:146 Resp: 72501

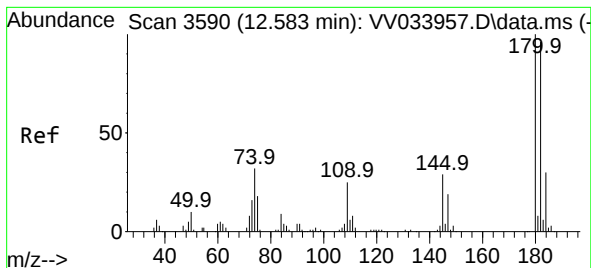
Ion Ratio Lower Upper

146 100

111 39.7 35.4 53.0

148 60.1 52.0 78.0





#69

1,3,5-Trichlorobenzene

Concen: 5.085 ug/L

RT: 13.201 min Scan# 31

Delta R.T. 0.617 min

Lab File: VV033972.D

Acq: 02 Feb 2024 16:04

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 11653

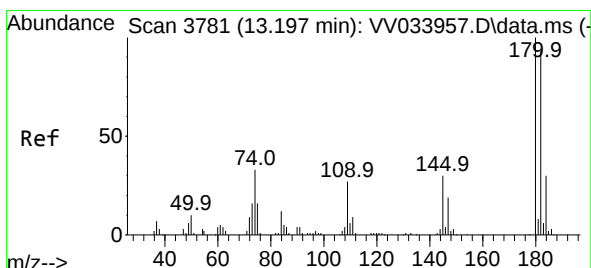
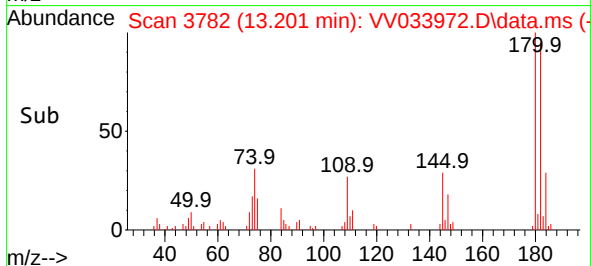
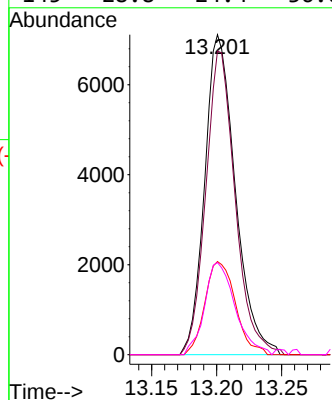
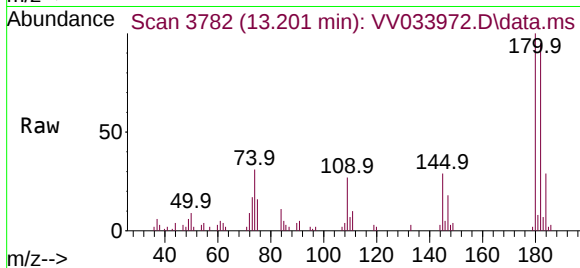
Ion Ratio Lower Upper

180 100

182 90.7 76.2 114.2

184 29.0 23.9 35.9

145 28.8 24.4 36.6



#70

1,2,4-trichlorobenzene

Concen: 5.602 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.003 min

Lab File: VV033972.D

Acq: 02 Feb 2024 16:04

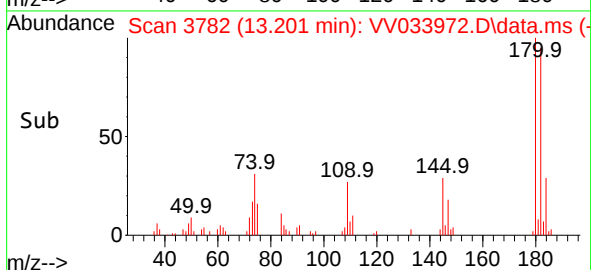
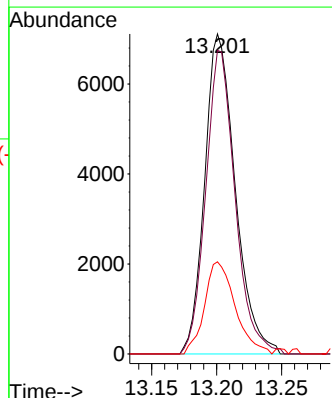
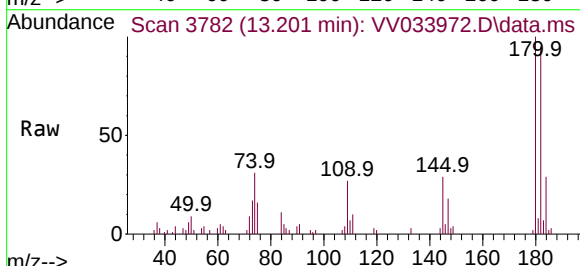
Tgt Ion:180 Resp: 11653

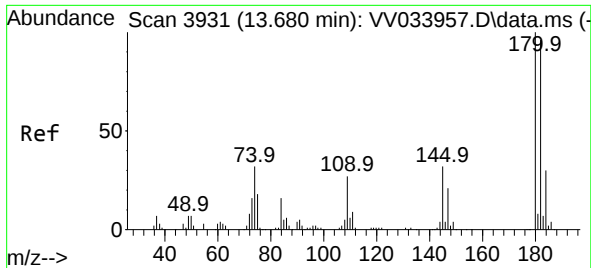
Ion Ratio Lower Upper

180 100

182 90.7 76.3 114.5

145 28.8 25.4 38.0





#72

1,2,3-Trichlorobenzene

Concen: 1.360 ug/L

RT: 13.686 min Scan# 3931

Delta R.T. 0.006 min

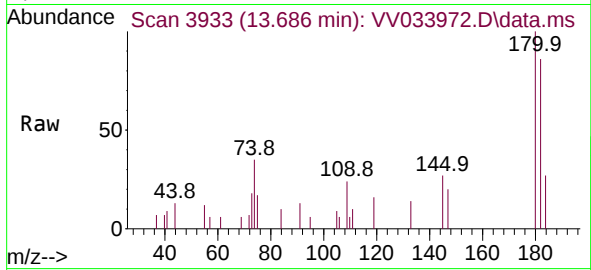
Lab File: VV033972.D

Acq: 02 Feb 2024 16:04

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 2641

Ion Ratio Lower Upper

180 100

182 88.5 76.0 114.0

145 31.2 26.3 39.5

