

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV032124\
 Data File : VV034800.D
 Acq On : 21 Mar 2024 19:57
 Operator : SY/MD
 Sample : P1757-02DL 100X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 22 02:07:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 01:59:49 2024
 Response via : Initial Calibration

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

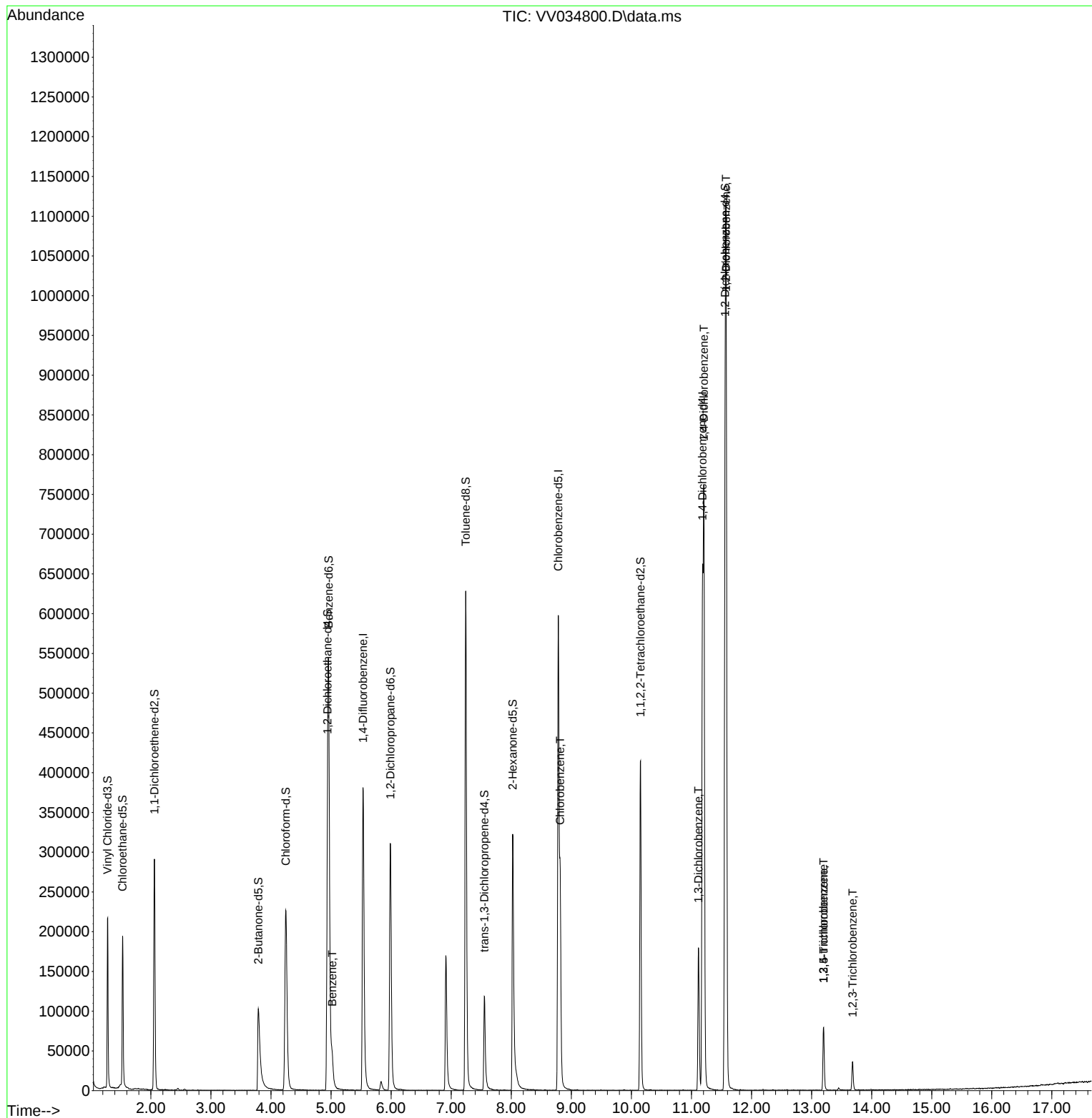
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	331895	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	310721	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	151225	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	137346	47.736	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.480%
7) Chloroethane-d5	1.529	69	113176	50.491	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.980%
11) 1,1-Dichloroethene-d2	2.060	65	50441	38.765	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.520%
21) 2-Butanone-d5	3.789	46	181921	94.549	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.550%
24) Chloroform-d	4.246	84	244649	48.091	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.180%
26) 1,2-Dichloroethane-d4	4.940	65	167124	50.273	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.540%
32) Benzene-d6	4.960	84	481327	51.327	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.660%
36) 1,2-Dichloropropane-d6	5.989	67	147403	51.506	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.020%
41) Toluene-d8	7.243	98	419222	49.400	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.800%
43) trans-1,3-Dichloroprop...	7.551	79	69493	48.355	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.700%
47) 2-Hexanone-d5	8.024	63	114444	80.081	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.080%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	193136	51.282	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.560%
66) 1,2-Dichlorobenzene-d4	11.561	152	163145	52.779	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.560%
Target Compounds						
					Qvalue	
33) Benzene	5.018	78	42735	4.431	ug/L	100
51) Chlorobenzene	8.815	112	145695	22.079	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	71010	14.360	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	279172	55.592	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	370299	74.729	ug/L	99
69) 1,3,5-Trichlorobenzene	13.201	180	24499	6.604	ug/L	97
70) 1,2,4-trichlorobenzene	13.201	180	24499	7.339	ug/L	97
72) 1,2,3-Trichlorobenzene	13.683	180	11328	3.479	ug/L	97

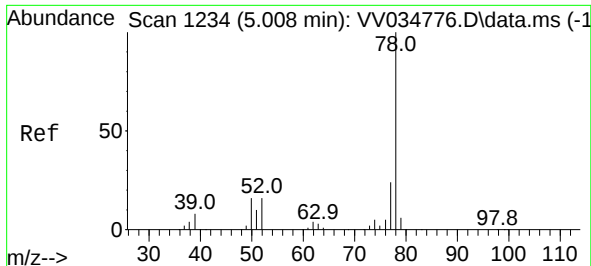
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#33

Benzene

Concen: 4.431 ug/L

RT: 5.018 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV034800.D

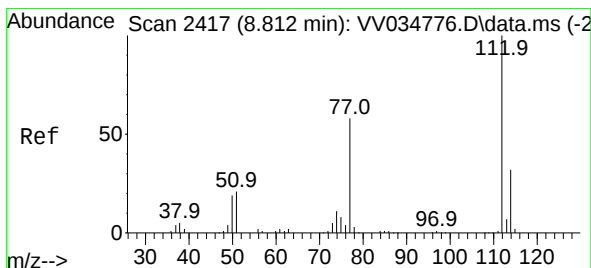
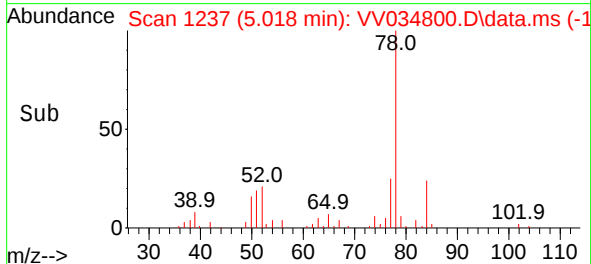
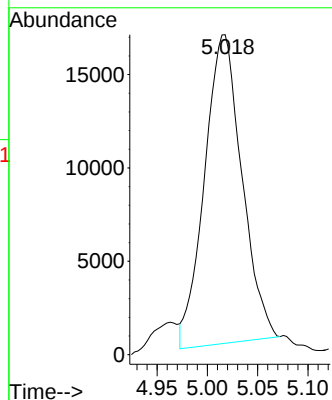
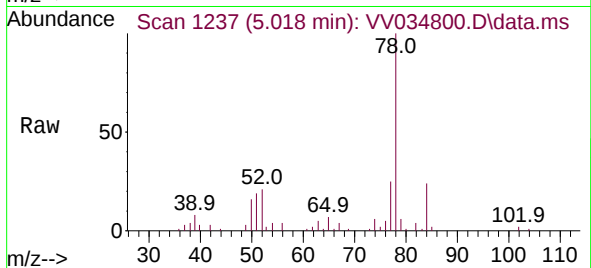
Acq: 21 Mar 2024 19:57

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 42735



#51

Chlorobenzene

Concen: 22.079 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.003 min

Lab File: VV034800.D

Acq: 21 Mar 2024 19:57

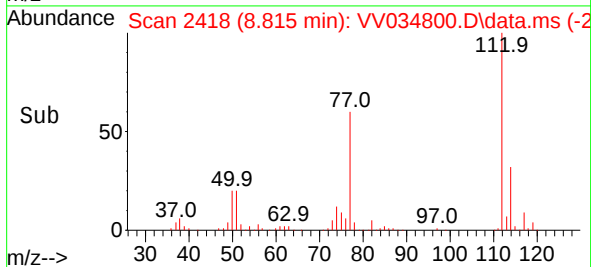
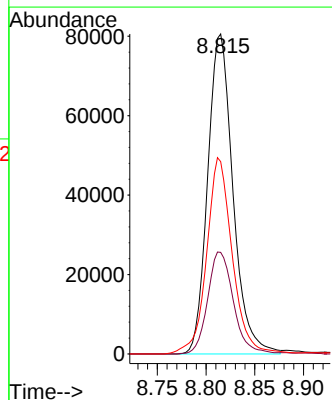
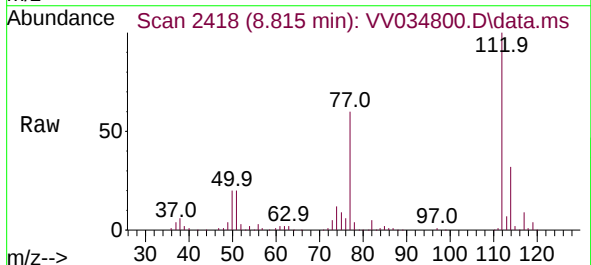
Tgt Ion: 112 Resp: 145695

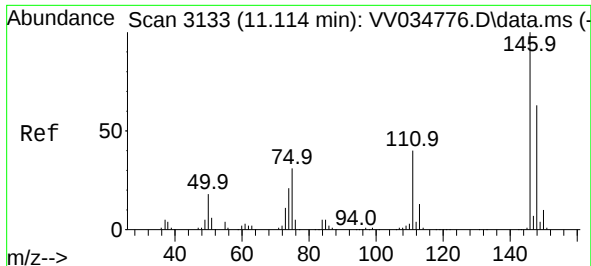
Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.5

77 60.1 47.7 71.5





#64

1,3-Dichlorobenzene

Concen: 14.360 ug/L

RT: 11.117 min Scan# 3133

Delta R.T. 0.003 min

Lab File: VV034800.D

Acq: 21 Mar 2024 19:57

Instrument :

MSVOA_V

ClientSampleId :

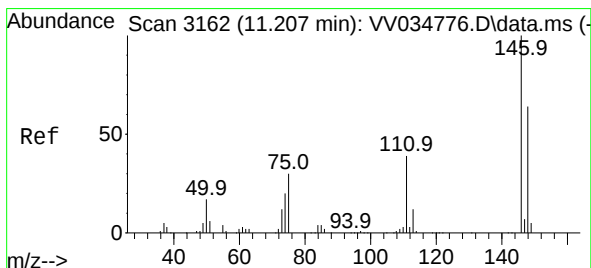
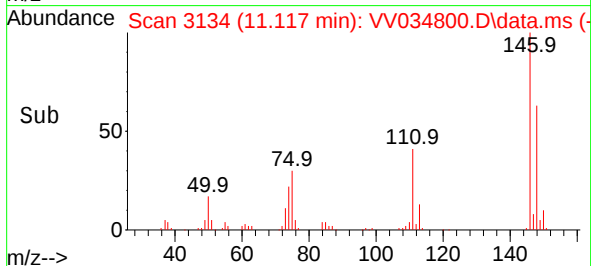
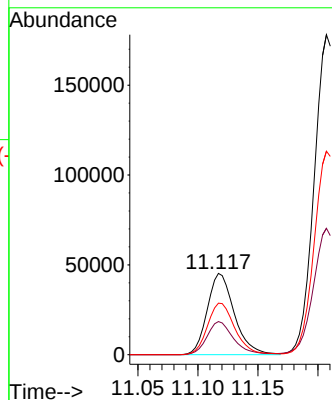
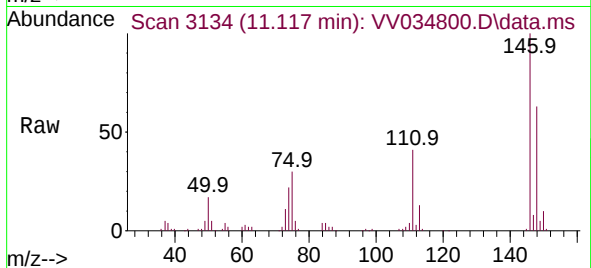
Tgt Ion:146 Resp: 71010

Ion Ratio Lower Upper

146 100

111 40.9 27.9 51.7

148 63.4 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 55.592 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV034800.D

Acq: 21 Mar 2024 19:57

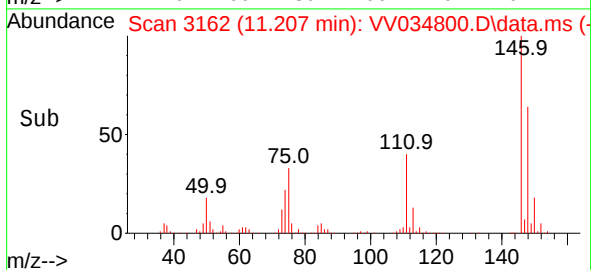
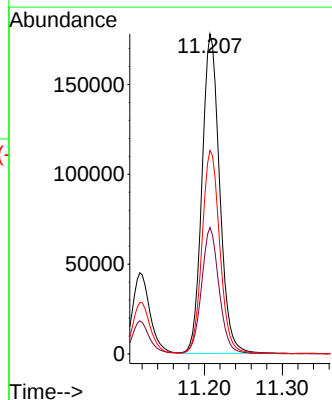
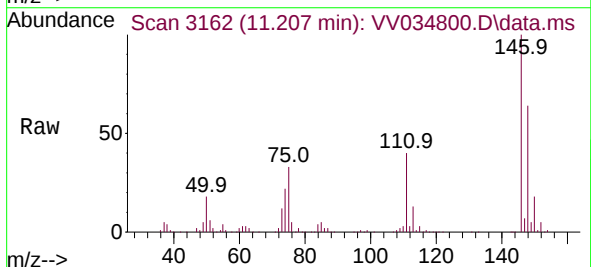
Tgt Ion:146 Resp: 279172

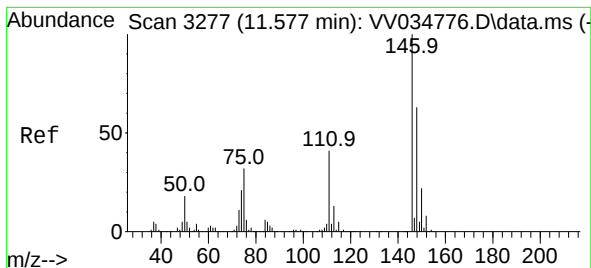
Ion Ratio Lower Upper

146 100

111 39.5 26.5 49.1

148 63.6 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 74.729 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV034800.D

Acq: 21 Mar 2024 19:57

Instrument :

MSVOA_V

ClientSampleId :

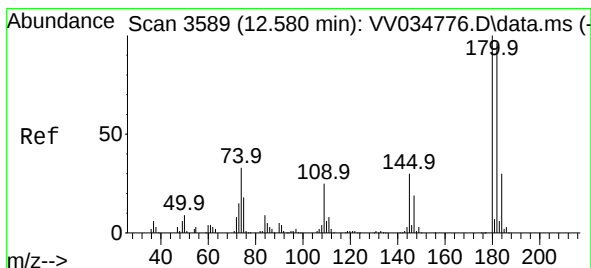
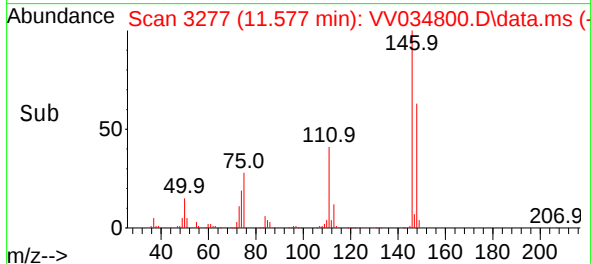
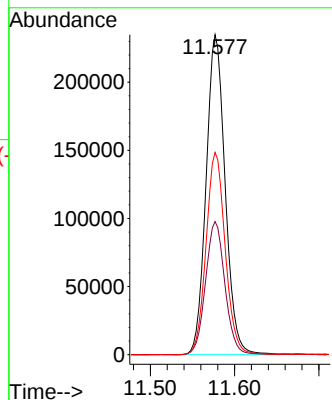
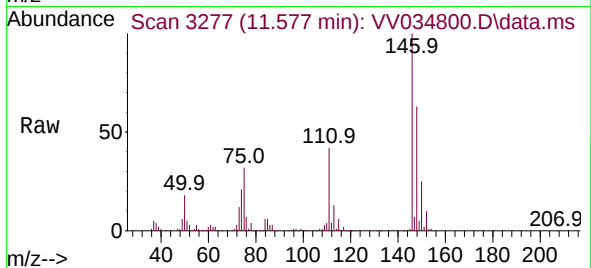
Tgt Ion:146 Resp: 370299

Ion Ratio Lower Upper

146 100

111 41.6 33.8 50.8

148 63.2 51.3 76.9



#69

1,3,5-Trichlorobenzene

Concen: 6.604 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.621 min

Lab File: VV034800.D

Acq: 21 Mar 2024 19:57

Tgt Ion:180 Resp: 24499

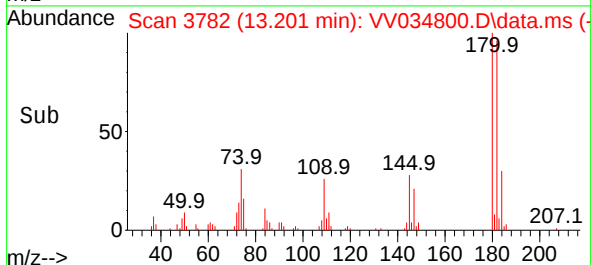
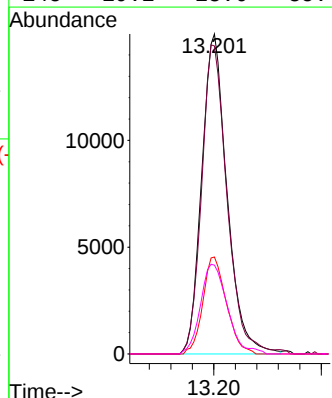
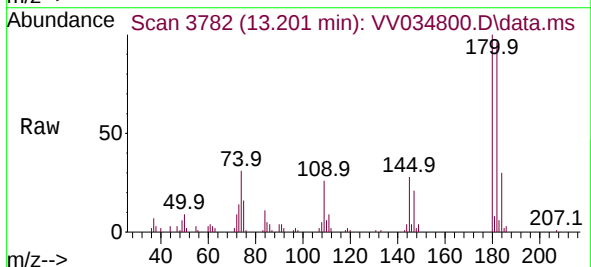
Ion Ratio Lower Upper

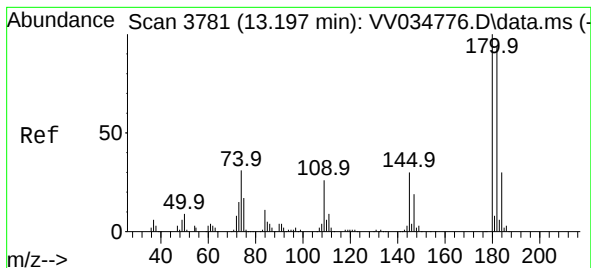
180 100

182 96.8 74.6 112.0

184 28.1 23.6 35.4

145 29.2 23.6 35.4





#70

1,2,4-trichlorobenzene

Concen: 7.339 ug/L

RT: 13.201 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV034800.D

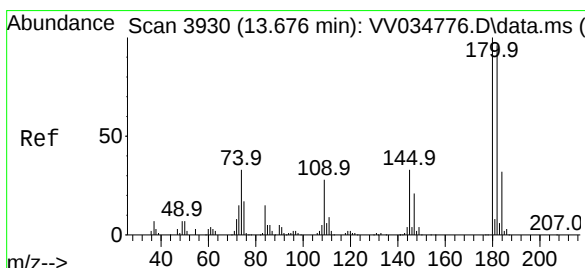
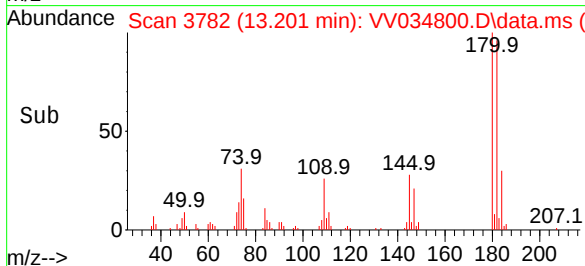
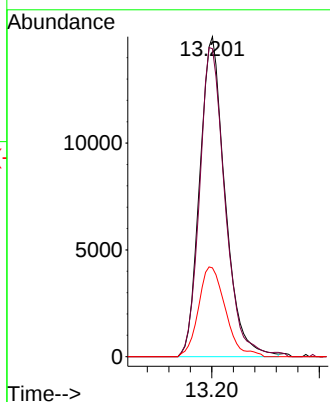
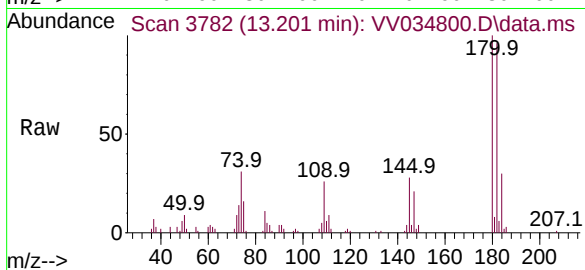
Acq: 21 Mar 2024 19:57

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	180	Resp:	24499
Ion Ratio	Lower	Upper	
180	100		
182	96.8	74.8	112.2
145	29.2	24.2	36.4



#72

1,2,3-Trichlorobenzene

Concen: 3.479 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.007 min

Lab File: VV034800.D

Acq: 21 Mar 2024 19:57

Tgt Ion:	180	Resp:	11328
Ion Ratio	Lower	Upper	
180	100		
182	92.5	75.9	113.9
145	30.5	25.5	38.3

