

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042524\
 Data File : VV035408.D
 Acq On : 25 Apr 2024 16:53
 Operator : SY/MD
 Sample : P2182-07
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MC0RC9

Quant Time: Apr 26 01:38:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 26 01:37:05 2024
 Response via : Initial Calibration

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

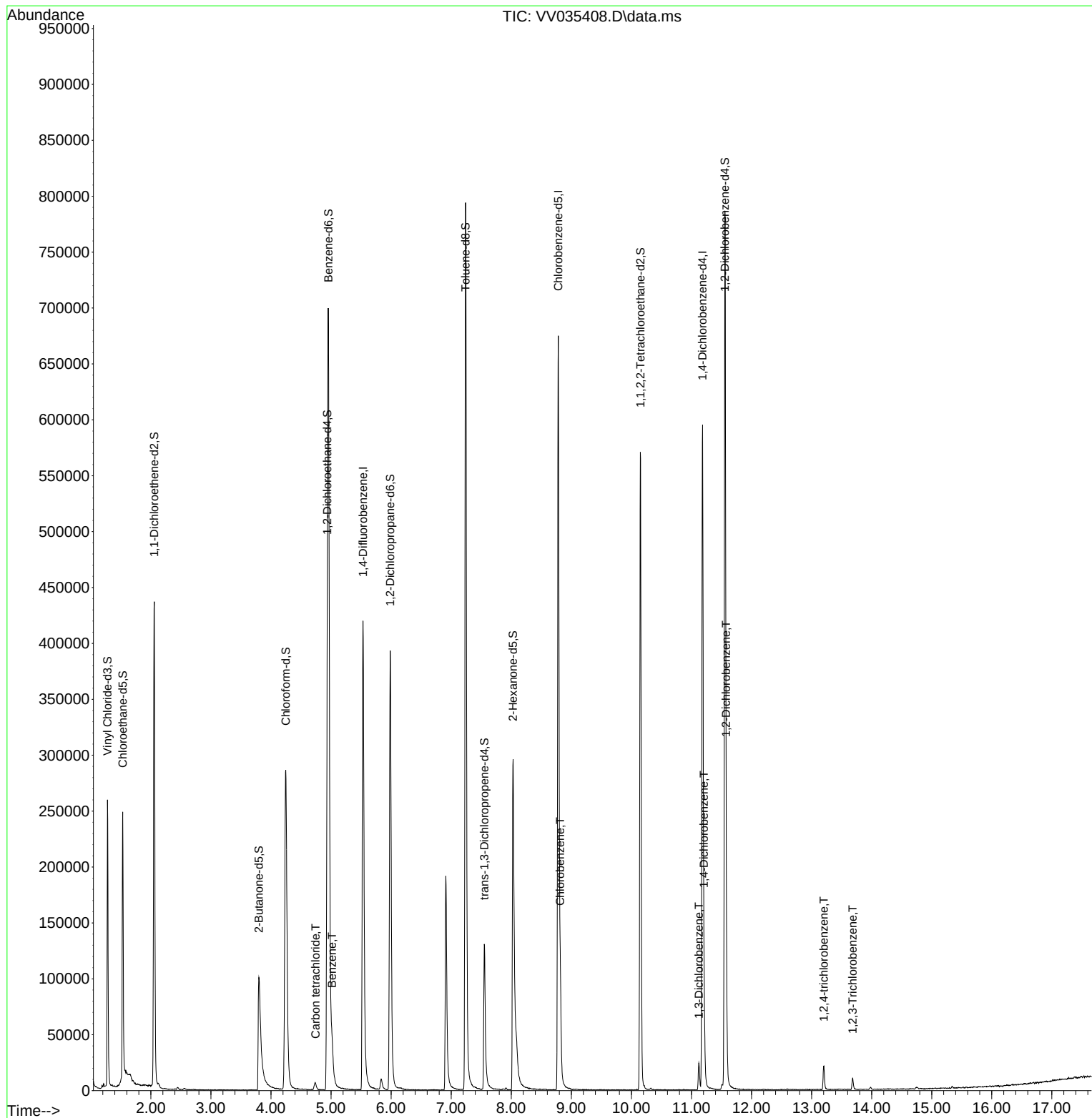
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	382762	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	376993	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	160708	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	174713	47.264	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.520%		
7) Chloroethane-d5	1.532	69	148513	46.256	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.520%		
11) 1,1-Dichloroethene-d2	2.056	65	75339	46.495	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.980%		
21) 2-Butanone-d5	3.799	46	195362	89.111	ug/L	0.01
Spiked Amount 100.000	Range 40 - 130		Recovery =	89.110%		
24) Chloroform-d	4.246	84	318462	51.240	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.480%		
26) 1,2-Dichloroethane-d4	4.937	65	198118	50.208	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.420%		
32) Benzene-d6	4.956	84	642961	50.773	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.540%		
36) 1,2-Dichloropropane-d6	5.985	67	200970	49.977	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.960%		
41) Toluene-d8	7.239	98	550705	48.289	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.580%		
43) trans-1,3-Dichloroprop...	7.551	79	85016	43.488	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.980%		
47) 2-Hexanone-d5	8.027	63	107702	70.840	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	70.840%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	276072	49.854	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	99.700%		
66) 1,2-Dichlorobenzene-d4	11.557	152	204137	56.575	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	113.160%		
Target Compounds						Qvalue
31) Carbon tetrachloride	4.741	117	4982	1.196	ug/L	92
33) Benzene	5.014	78	45162	3.674	ug/L	100
51) Chlorobenzene	8.815	112	62109	7.446	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	10631	1.964	ug/L	94
65) 1,4-Dichlorobenzene	11.207	146	33403	6.067	ug/L	97
67) 1,2-Dichlorobenzene	11.577	146	44366	8.226	ug/L	97
70) 1,2,4-trichlorobenzene	13.204	180	7520	2.098	ug/L	97
72) 1,2,3-Trichlorobenzene	13.683	180	3590	1.016	ug/L	98

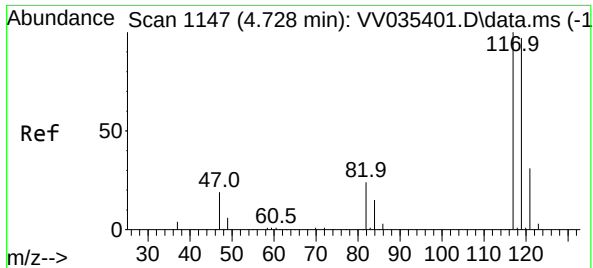
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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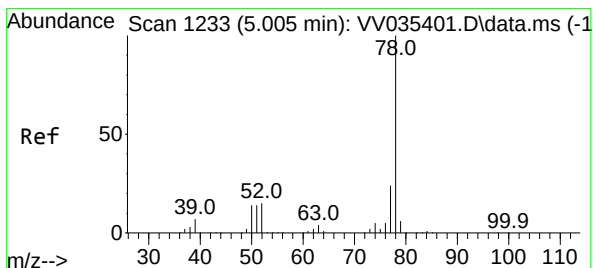
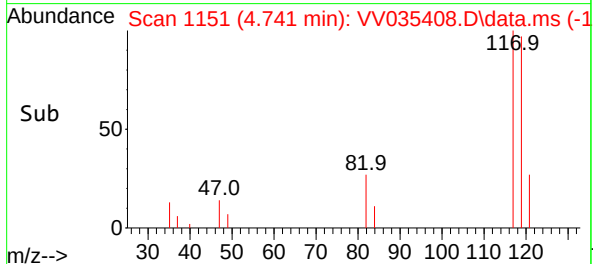
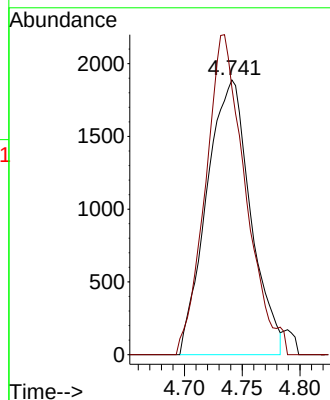
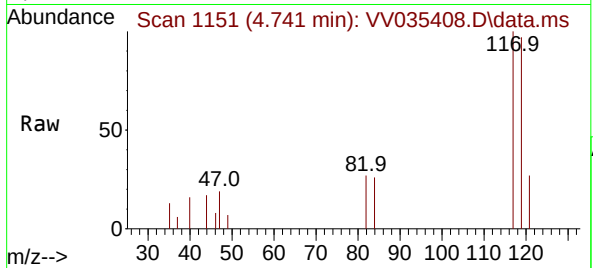




#31
Carbon tetrachloride
Concen: 1.196 ug/L
RT: 4.741 min Scan# 1147
Delta R.T. 0.013 min
Lab File: VV035408.D
Acq: 25 Apr 2024 16:53

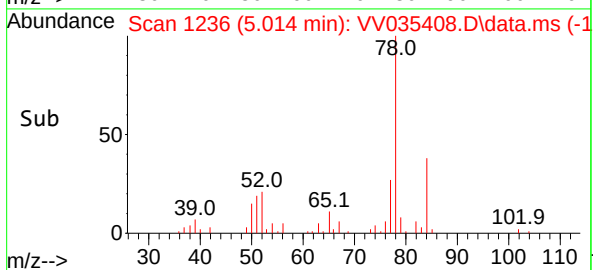
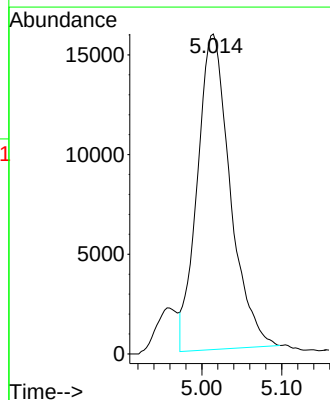
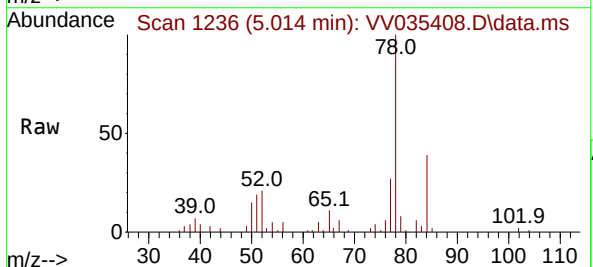
Instrument :
MSVOA_V
ClientSampleId :
MC0RC9

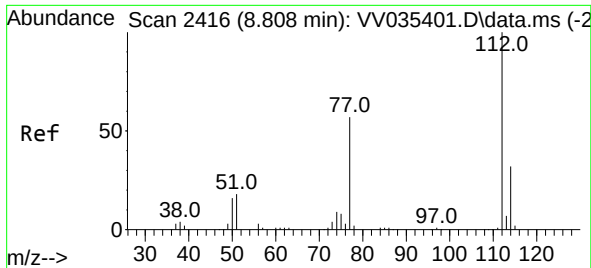
Tgt Ion:117 Resp: 4982
Ion Ratio Lower Upper
117 100
119 104.4 77.1 115.7



#33
Benzene
Concen: 3.674 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.010 min
Lab File: VV035408.D
Acq: 25 Apr 2024 16:53

Tgt Ion: 78 Resp: 45162

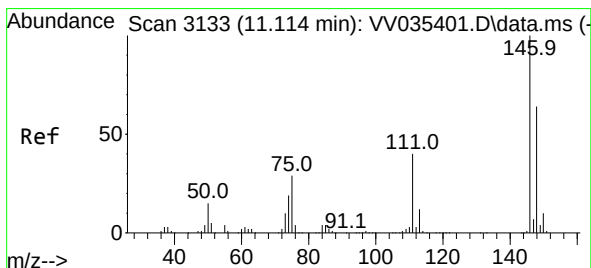
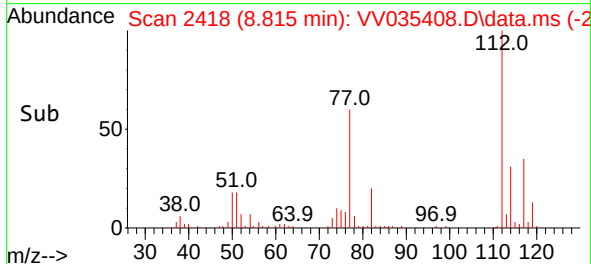
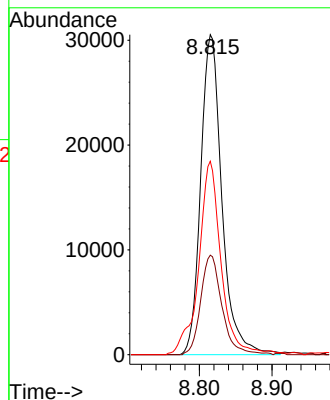
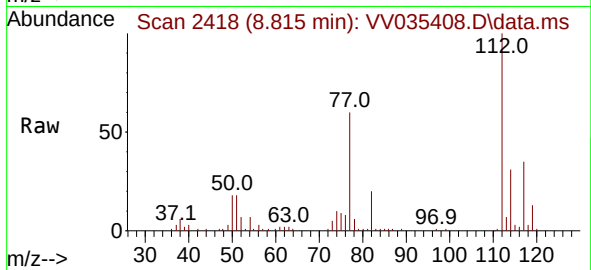




#51
Chlorobenzene
Concen: 7.446 ug/L
RT: 8.815 min Scan# 2416
Delta R.T. 0.006 min
Lab File: VV035408.D
Acq: 25 Apr 2024 16:53

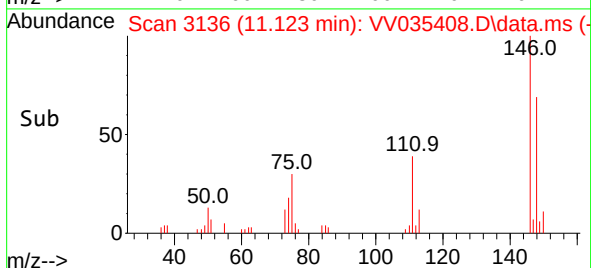
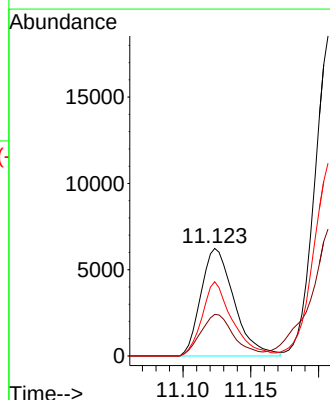
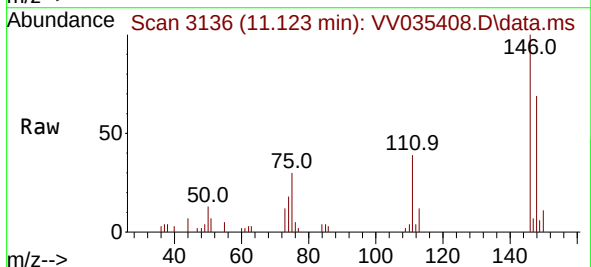
Instrument :
MSVOA_V
ClientSampleId :
MC0RC9

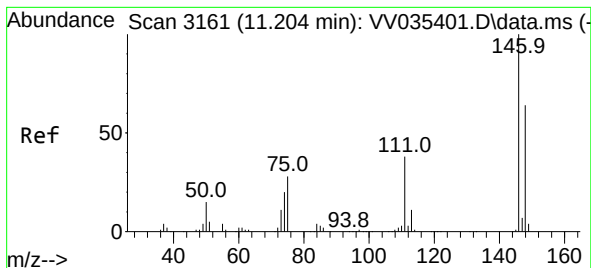
Tgt Ion:112 Resp: 62109
Ion Ratio Lower Upper
112 100
114 31.1 22.0 41.0
77 60.4 47.4 71.2



#64
1,3-Dichlorobenzene
Concen: 1.964 ug/L
RT: 11.123 min Scan# 3136
Delta R.T. 0.010 min
Lab File: VV035408.D
Acq: 25 Apr 2024 16:53

Tgt Ion:146 Resp: 10631
Ion Ratio Lower Upper
146 100
111 38.7 28.7 53.3
148 69.1 44.0 81.8





#65

1,4-Dichlorobenzene

Concen: 6.067 ug/L

RT: 11.207 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV035408.D

Acq: 25 Apr 2024 16:53

Instrument :

MSVOA_V

ClientSampleId :

MC0RC9

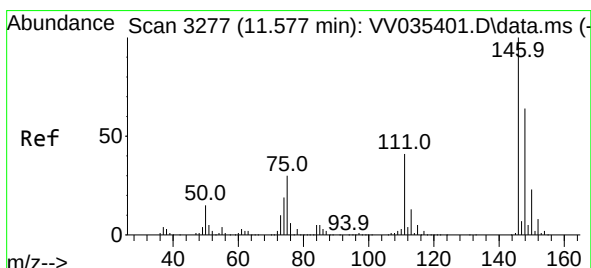
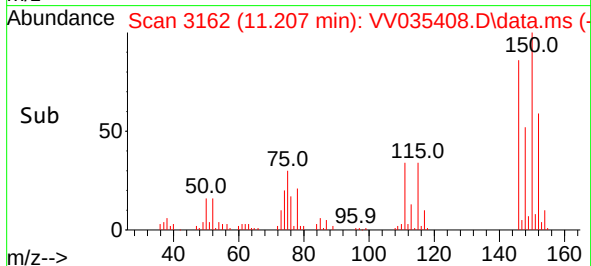
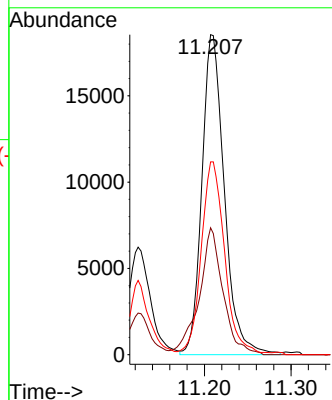
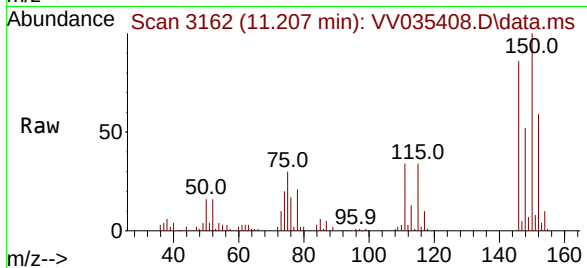
Tgt Ion:146 Resp: 33403

Ion Ratio Lower Upper

146 100

111 39.7 27.4 50.8

148 60.2 44.2 82.2



#67

1,2-Dichlorobenzene

Concen: 8.226 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. -0.000 min

Lab File: VV035408.D

Acq: 25 Apr 2024 16:53

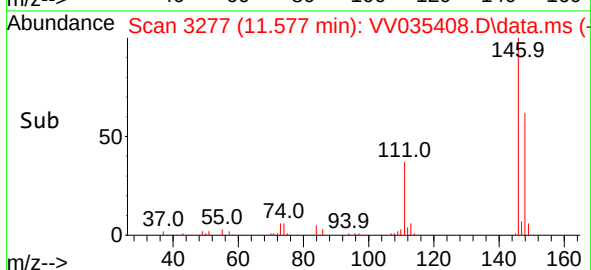
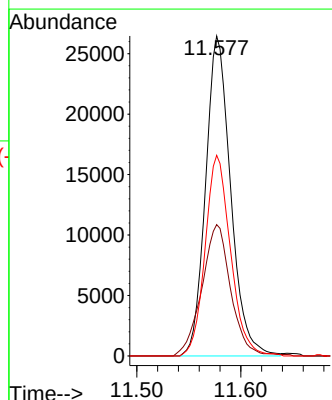
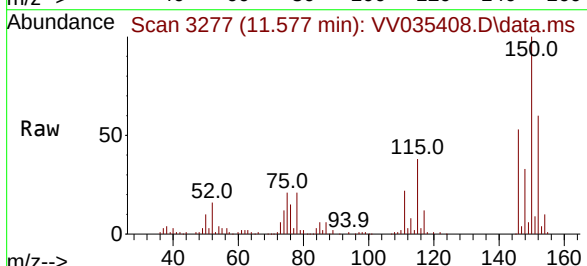
Tgt Ion:146 Resp: 44366

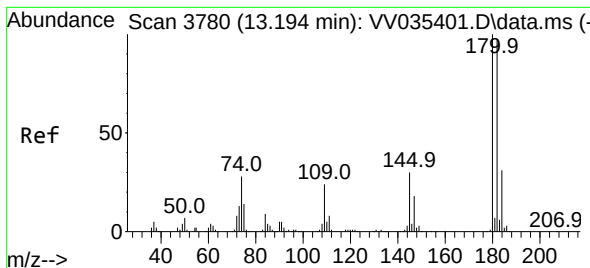
Ion Ratio Lower Upper

146 100

111 41.1 34.6 52.0

148 62.7 51.5 77.3





#70

1,2,4-trichlorobenzene

Concen: 2.098 ug/L

RT: 13.204 min Scan# 31

Delta R.T. 0.010 min

Lab File: VV035408.D

Acq: 25 Apr 2024 16:53

Instrument :

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ClientSampleId :

MC0RC9

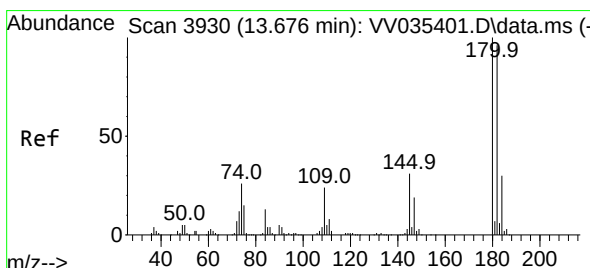
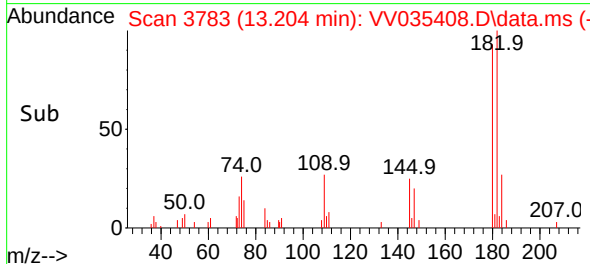
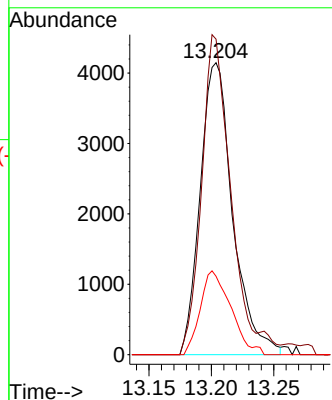
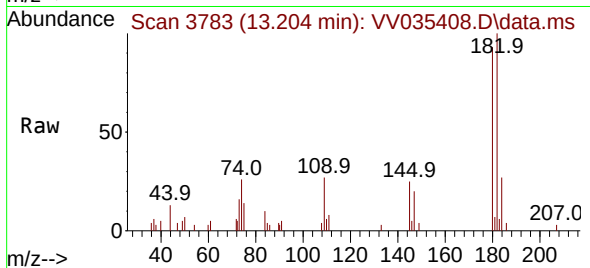
Tgt Ion:180 Resp: 7520

Ion Ratio Lower Upper

180 100

182 95.8 75.6 113.4

145 26.4 24.1 36.1



#72

1,2,3-Trichlorobenzene

Concen: 1.016 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.006 min

Lab File: VV035408.D

Acq: 25 Apr 2024 16:53

Tgt Ion:180 Resp: 3590

Ion Ratio Lower Upper

180 100

182 96.2 76.2 114.2

145 35.2 25.8 38.6

