

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042924\
 Data File : VV035471.D
 Acq On : 29 Apr 2024 15:21
 Operator : SY/MD
 Sample : P2269-05DL 500X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 30 02:12:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM042624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 30 02:09:05 2024
 Response via : Initial Calibration

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

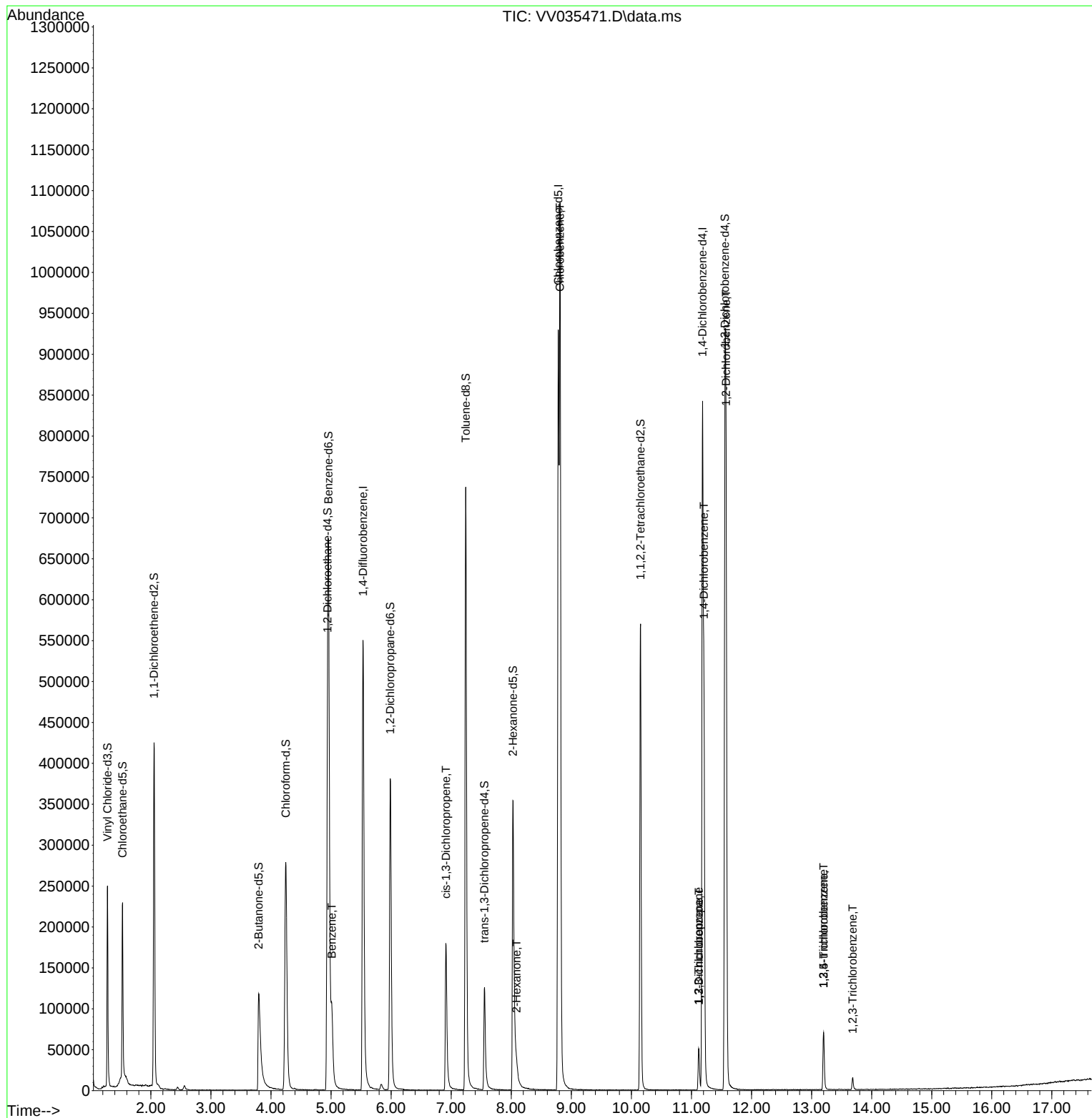
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	501444	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	489041	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	211782	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	166972	41.434	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	82.860%		
7) Chloroethane-d5	1.529	69	132952	57.582	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	115.160%		
11) 1,1-Dichloroethene-d2	2.053	65	73147	44.411	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.820%		
21) 2-Butanone-d5	3.796	46	218777	105.926	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	105.930%		
24) Chloroform-d	4.246	84	312177	46.037	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.080%		
26) 1,2-Dichloroethane-d4	4.940	65	192877	48.834	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.660%		
32) Benzene-d6	4.956	84	615320	47.879	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.760%		
36) 1,2-Dichloropropane-d6	5.985	67	197902	49.910	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.820%		
41) Toluene-d8	7.243	98	520479	44.933	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.860%		
43) trans-1,3-Dichloroprop...	7.554	79	83708	45.128	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.260%		
47) 2-Hexanone-d5	8.027	63	121022	105.873	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	105.870%		
56) 1,1,2,2-Tetrachloroeth...	10.152	84	283483	50.161	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	100.320%		
66) 1,2-Dichlorobenzene-d4	11.557	152	200235	54.041	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	108.080%		
Target Compounds			Qvalue			
33) Benzene	5.011	78	113447	8.669	ug/L	100
39) cis-1,3-Dichloropropene	6.911	75	4509	0.834	ug/L #	51
48) 2-Hexanone	8.088	43	15984	4.310	ug/L #	38
51) Chlorobenzene	8.812	112	590906	61.109	ug/L	99
61) 1,2,3-Trichloropropane	11.120	75	6171	1.557	ug/L #	50
64) 1,3-Dichlorobenzene	11.123	146	22224	3.531	ug/L	97
65) 1,4-Dichlorobenzene	11.207	146	193915	29.373	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	264526	41.481	ug/L	98
69) 1,3,5-Trichlorobenzene	13.201	180	23446	5.257	ug/L	96
70) 1,2,4-trichlorobenzene	13.201	180	23446	6.623	ug/L	96
72) 1,2,3-Trichlorobenzene	13.683	180	5141	1.490	ug/L	98

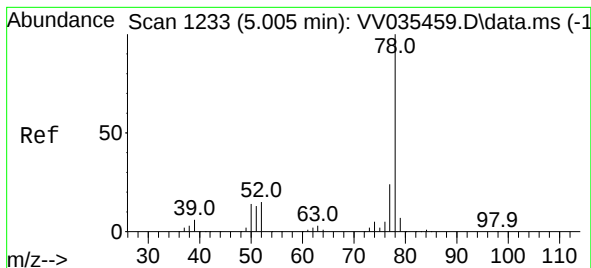
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM042624WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 30 02:09:05 2024
Response via : Initial Calibration





#33

Benzene

Concen: 8.669 ug/L

RT: 5.011 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV035471.D

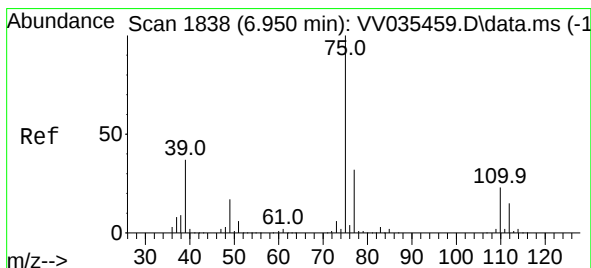
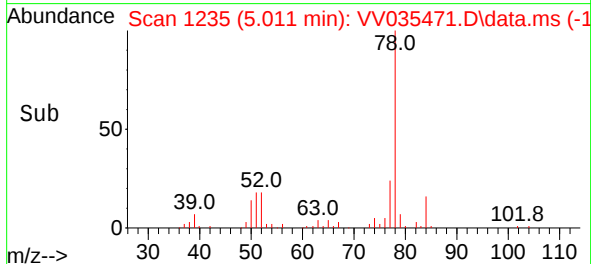
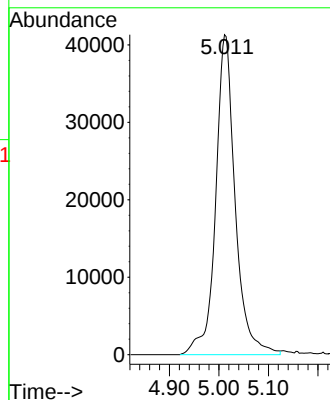
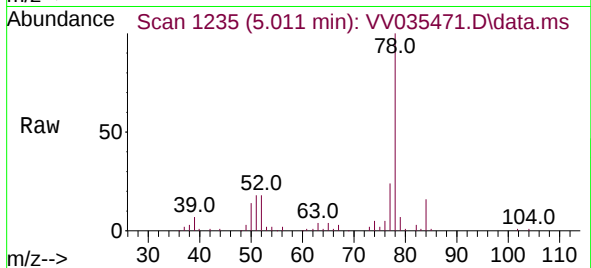
Acq: 29 Apr 2024 15:21

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 113447



#39

cis-1,3-Dichloropropene

Concen: 0.834 ug/L

RT: 6.911 min Scan# 1826

Delta R.T. -0.039 min

Lab File: VV035471.D

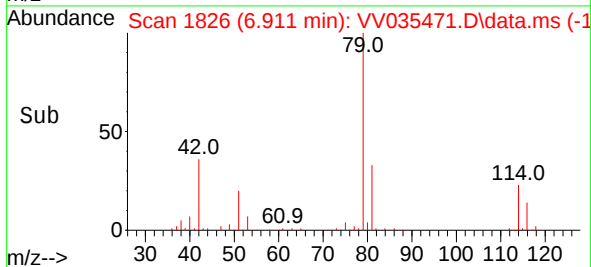
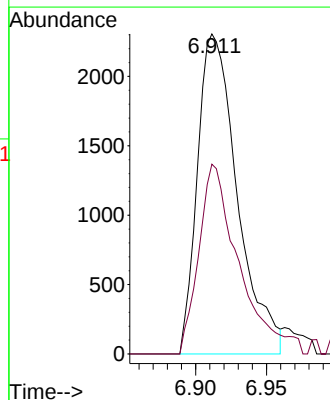
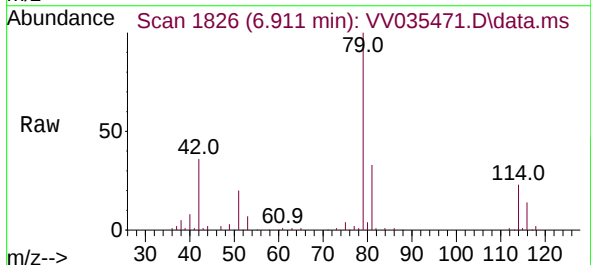
Acq: 29 Apr 2024 15:21

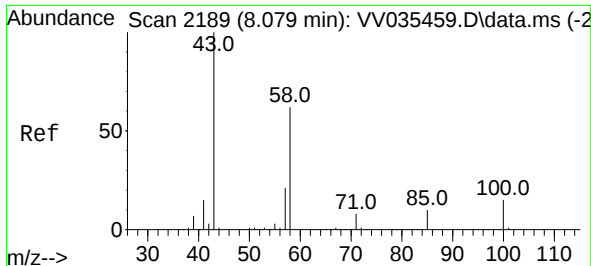
Tgt Ion: 75 Resp: 4509

Ion Ratio Lower Upper

75 100

77 59.3 22.3 41.3#





#48

2-Hexanone

Concen: 4.310 ug/L

RT: 8.088 min Scan# 2189

Delta R.T. 0.010 min

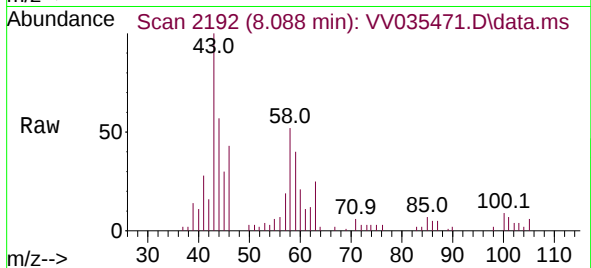
Lab File: VV035471.D

Acq: 29 Apr 2024 15:21

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 15984

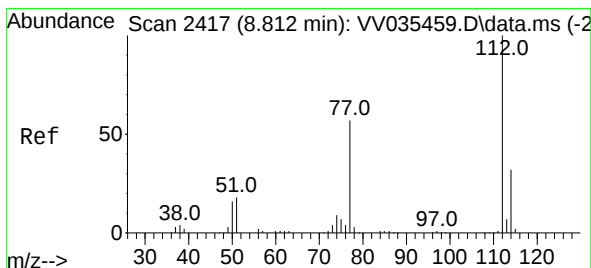
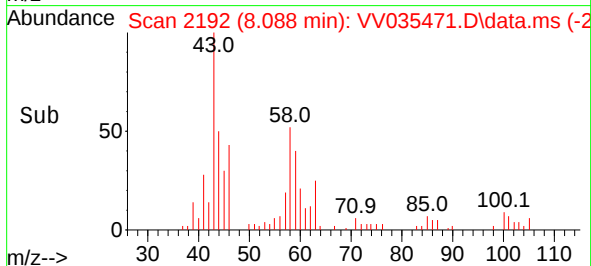
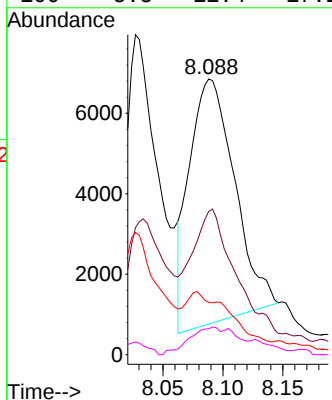
Ion Ratio Lower Upper

43 100

58 0.0 49.4 74.0#

57 3.5 17.1 25.7#

100 5.5 11.4 17.2#



#51

Chlorobenzene

Concen: 61.109 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. -0.000 min

Lab File: VV035471.D

Acq: 29 Apr 2024 15:21

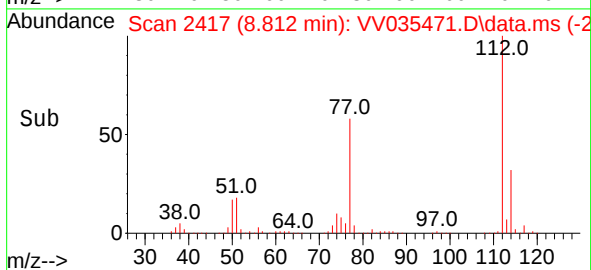
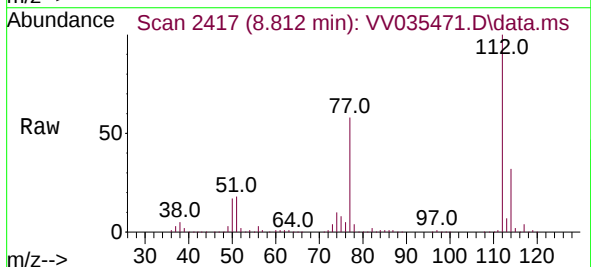
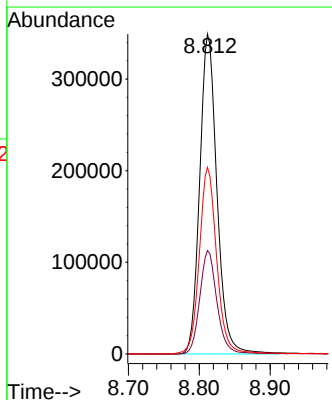
Tgt Ion: 112 Resp: 590906

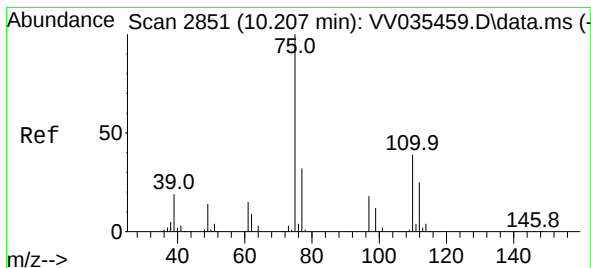
Ion Ratio Lower Upper

112 100

114 32.3 22.4 41.6

77 58.3 45.6 68.4





#61

1,2,3-Trichloropropane

Concen: 1.557 ug/L

RT: 11.120 min Scan# 3135

Delta R.T. 0.913 min

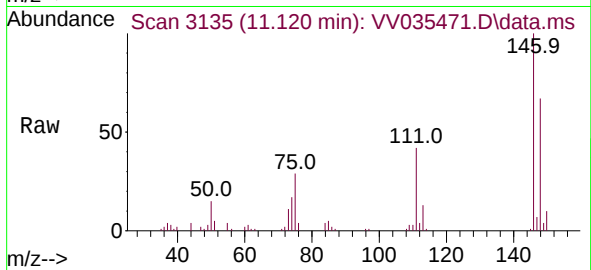
Lab File: VV035471.D

Acq: 29 Apr 2024 15:21

Instrument :

MSVOA_V

ClientSampleId :



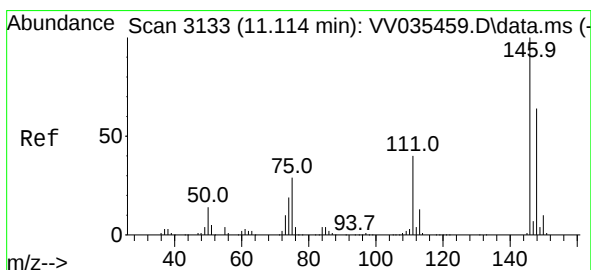
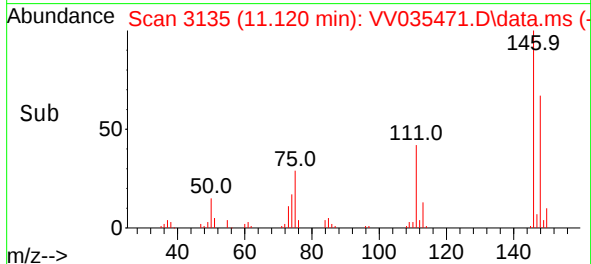
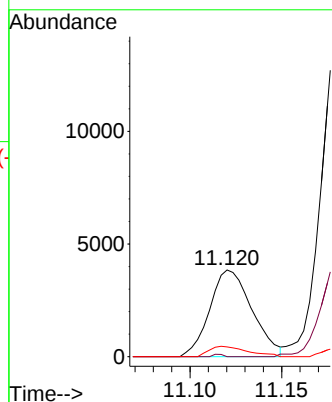
Tgt Ion: 75 Resp: 6171

Ion Ratio Lower Upper

75 100

77 0.6 25.3 37.9#

110 10.9 31.2 46.8#



#64

1,3-Dichlorobenzene

Concen: 3.531 ug/L

RT: 11.123 min Scan# 3136

Delta R.T. 0.010 min

Lab File: VV035471.D

Acq: 29 Apr 2024 15:21

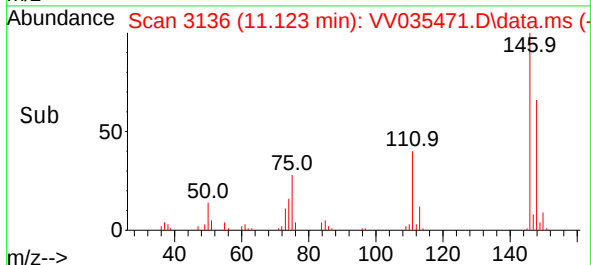
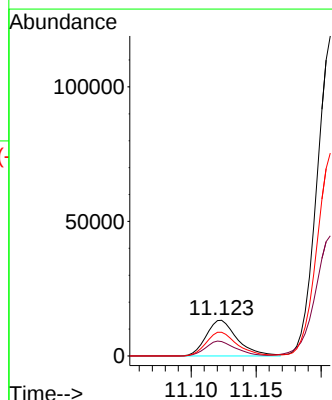
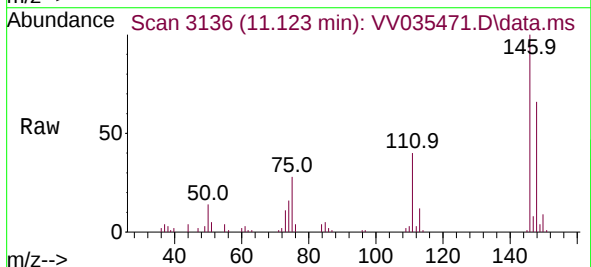
Tgt Ion: 146 Resp: 22224

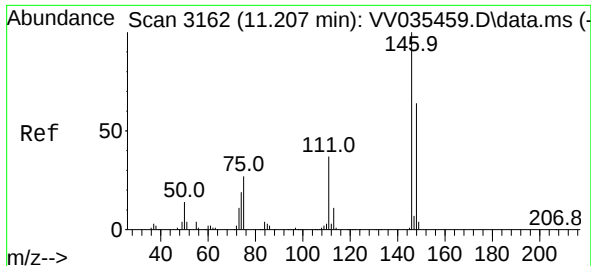
Ion Ratio Lower Upper

146 100

111 40.1 27.0 50.2

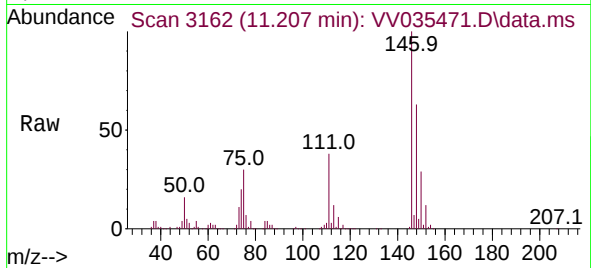
148 66.4 44.2 82.2



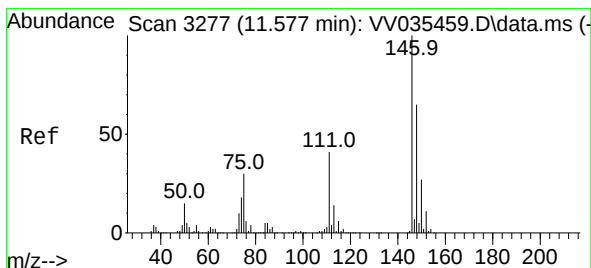
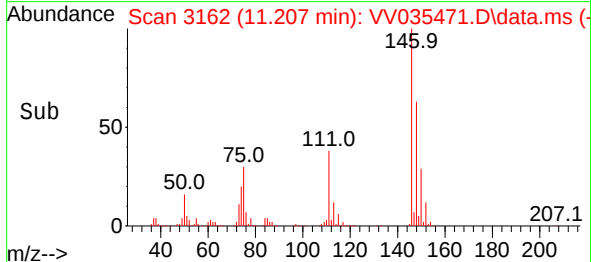
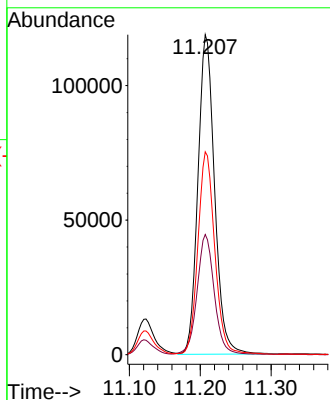


#65
1,4-Dichlorobenzene
Concen: 29.373 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. -0.000 min
Lab File: VV035471.D
Acq: 29 Apr 2024 15:21

Instrument :
MSVOA_V
ClientSampleId :

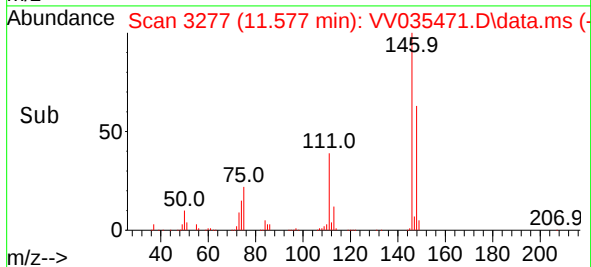
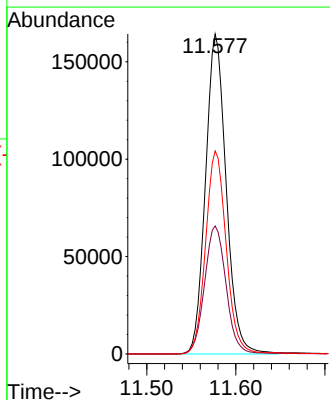
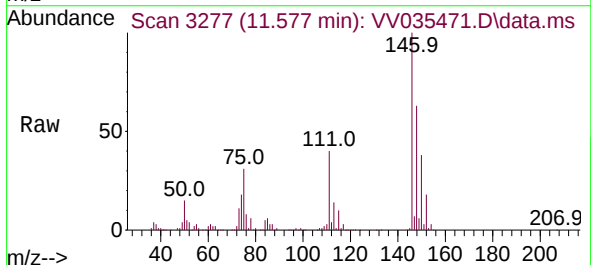


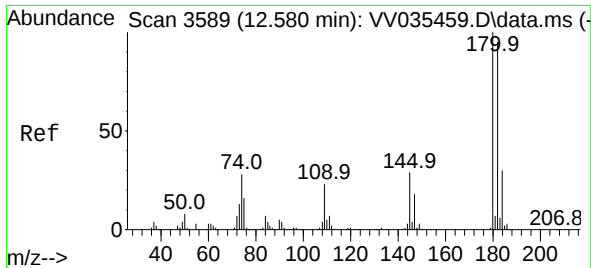
Tgt Ion:146 Resp: 193915
Ion Ratio Lower Upper
146 100
111 37.6 26.5 49.1
148 63.4 45.0 83.6



#67
1,2-Dichlorobenzene
Concen: 41.481 ug/L
RT: 11.577 min Scan# 3277
Delta R.T. -0.000 min
Lab File: VV035471.D
Acq: 29 Apr 2024 15:21

Tgt Ion:146 Resp: 264526
Ion Ratio Lower Upper
146 100
111 40.0 33.3 49.9
148 63.4 52.2 78.2





#69

1,3,5-Trichlorobenzene

Concen: 5.257 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.620 min

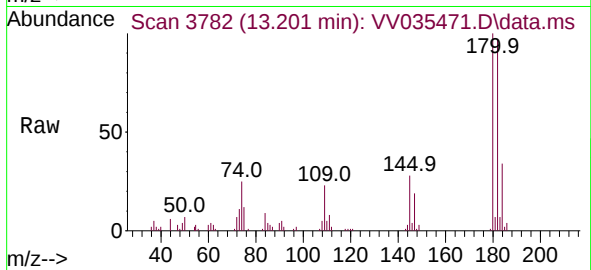
Lab File: VV035471.D

Acq: 29 Apr 2024 15:21

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 23446

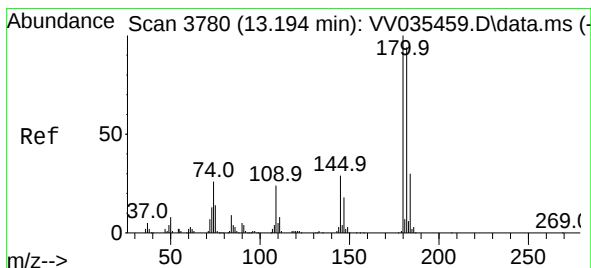
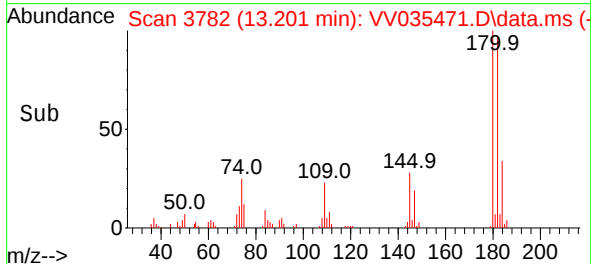
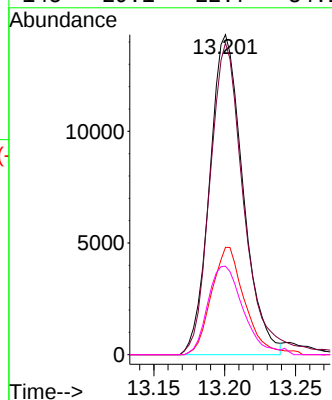
Ion Ratio Lower Upper

180 100

182 98.9 76.2 114.2

184 33.3 23.8 35.6

145 29.1 22.7 34.1



#70

1,2,4-trichlorobenzene

Concen: 6.623 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.006 min

Lab File: VV035471.D

Acq: 29 Apr 2024 15:21

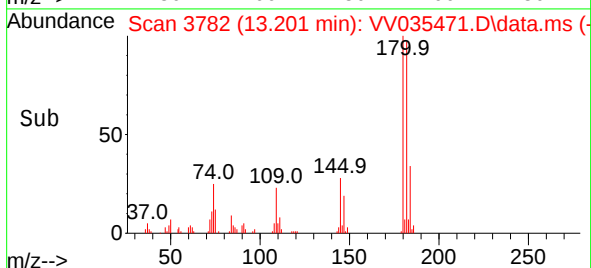
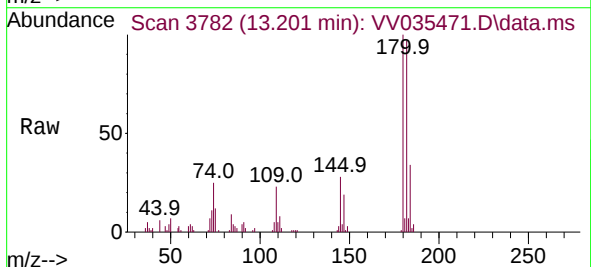
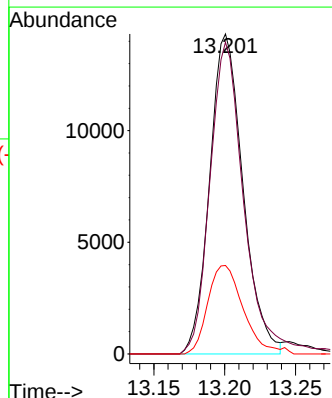
Tgt Ion:180 Resp: 23446

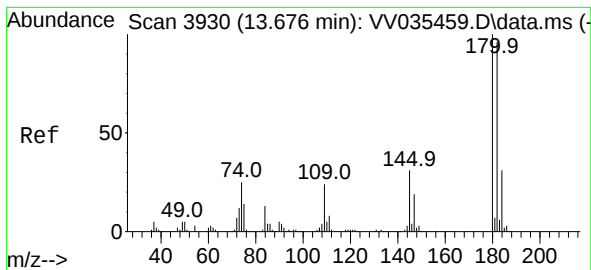
Ion Ratio Lower Upper

180 100

182 98.9 75.1 112.7

145 29.1 23.2 34.8





#72

1,2,3-Trichlorobenzene

Concen: 1.490 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.006 min

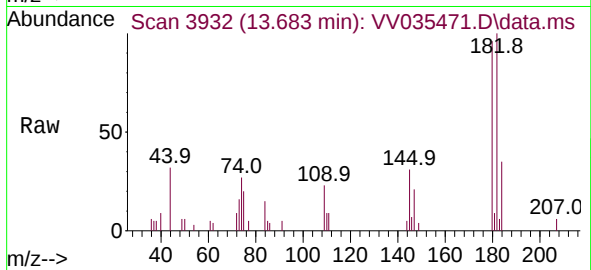
Lab File: VV035471.D

Acq: 29 Apr 2024 15:21

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 5141

Ion Ratio Lower Upper

180 100

182 97.0 76.6 115.0

145 27.8 24.7 37.1

