

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042023\
 Data File : VX035213.D
 Acq On : 20 Apr 2023 14:16
 Operator : JC/MD
 Sample : 02378-13DL 40X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 20 23:29:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 20 23:27:37 2023
 Response via : Initial Calibration

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

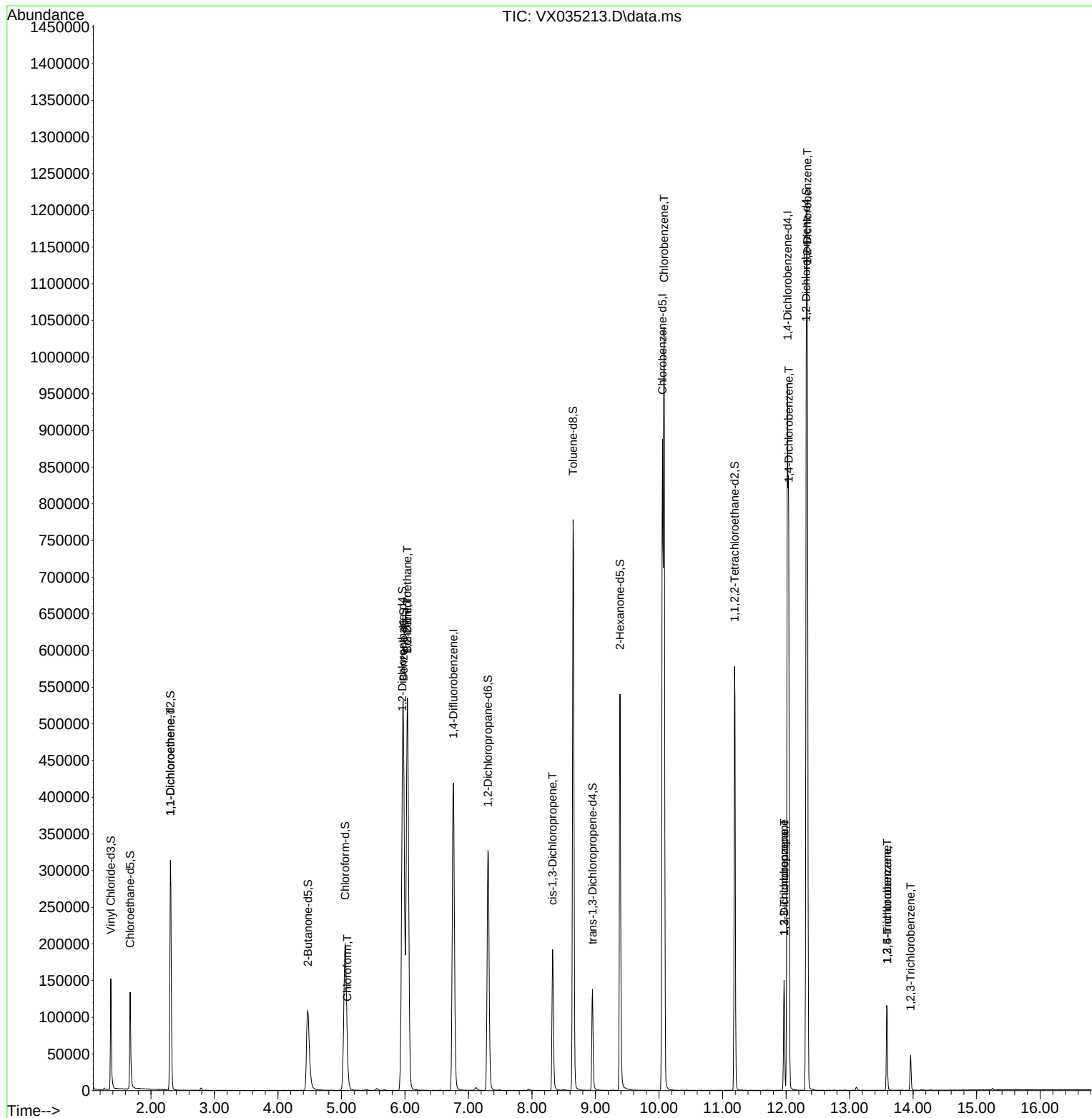
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	445385	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	387087	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	187573	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	103764	36.132	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	72.260%		
7) Chloroethane-d5	1.672	69	89442	43.101	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.200%		
11) 1,1-Dichloroethene-d2	2.306	65	54891	39.946	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	79.900%		
21) 2-Butanone-d5	4.471	46	224767	117.446	ug/L	0.01
Spiked Amount 100.000	Range 40 - 130		Recovery =	117.450%		
24) Chloroform-d	5.056	84	257536	47.619	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.240%		
26) 1,2-Dichloroethane-d4	5.958	65	176273	50.755	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.500%		
32) Benzene-d6	5.976	84	534479	48.067	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.140%		
36) 1,2-Dichloropropane-d6	7.305	67	170657	50.243	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.480%		
41) Toluene-d8	8.647	98	462610	45.522	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.040%		
43) trans-1,3-Dichloroprop...	8.951	79	64447	43.417	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.840%		
47) 2-Hexanone-d5	9.384	63	157402	115.398	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	115.400%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	225402	54.186	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	108.380%		
66) 1,2-Dichlorobenzene-d4	12.317	152	182395	50.178	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.360%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.306	96	1348	0.507	ug/L #	1
25) Chloroform	5.092	83	17146	3.202	ug/L	97
27) 1,2-Dichloroethane	6.037	62	5514	1.286	ug/L #	73
33) Benzene	6.037	78	651985	55.619	ug/L	100
39) cis-1,3-Dichloropropene	8.324	75	4242	0.919	ug/L #	69
51) Chlorobenzene	10.079	112	450237	56.191	ug/L	99
61) 1,2,3-Trichloropropane	11.969	75	14608	4.218	ug/L #	48
64) 1,3-Dichlorobenzene	11.969	146	48132	8.274	ug/L	100
65) 1,4-Dichlorobenzene	12.042	146	237439	39.890	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	300349	50.922	ug/L	98
69) 1,3,5-Trichlorobenzene	13.591	180	29198	8.119	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	29198	8.671	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	11463	3.448	ug/L	98

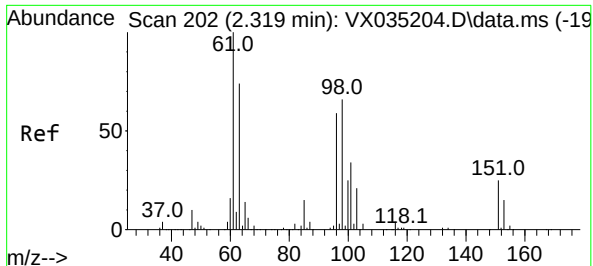
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 20 23:27:37 2023
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.507 ug/L

RT: 2.306 min Scan# 20

Delta R.T. -0.012 min

Lab File: VX035213.D

Acq: 20 Apr 2023 14:16

Instrument :

MSVOA_X

ClientSampleId :

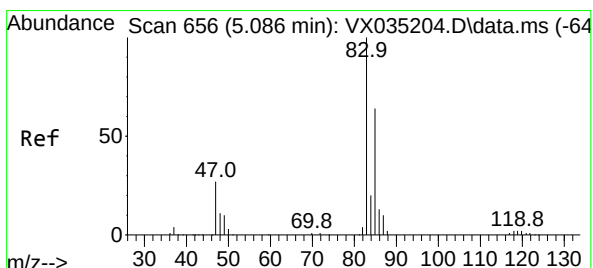
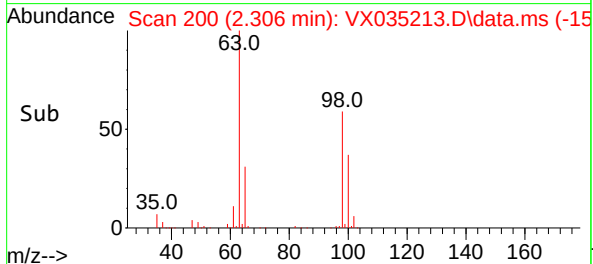
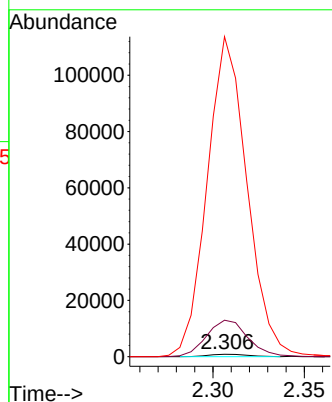
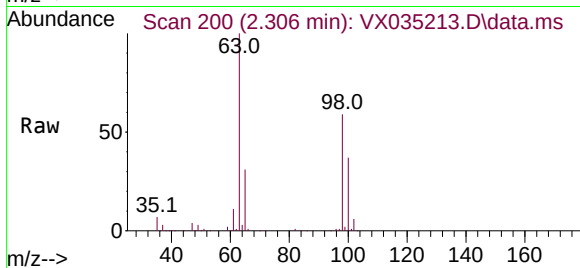
Tgt Ion: 96 Resp: 1348

Ion Ratio Lower Upper

96 100

61 1484.7 119.0 221.0#

63 12995.7 91.0 169.0#



#25

Chloroform

Concen: 3.202 ug/L

RT: 5.092 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX035213.D

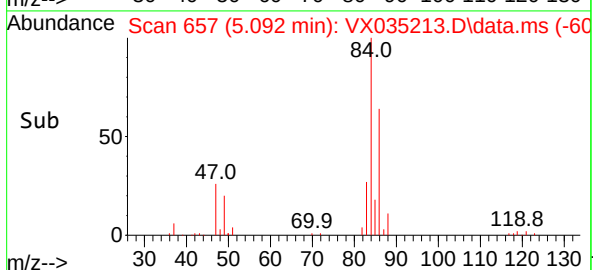
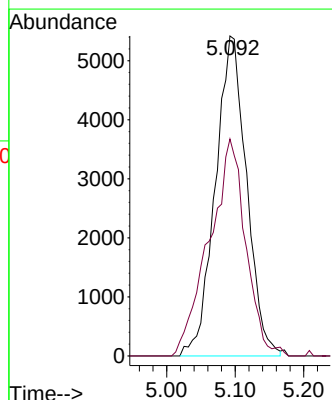
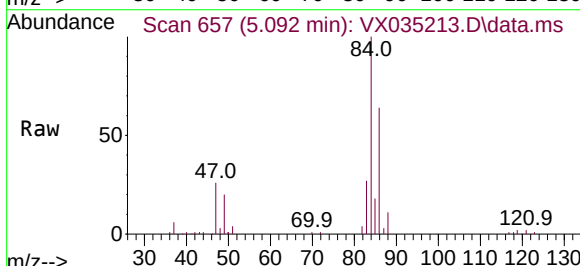
Acq: 20 Apr 2023 14:16

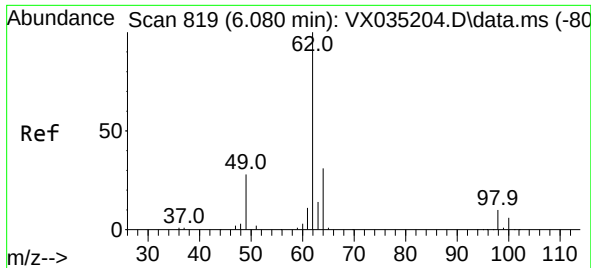
Tgt Ion: 83 Resp: 17146

Ion Ratio Lower Upper

83 100

85 67.8 46.0 85.4





#27

1,2-Dichloroethane

Concen: 1.286 ug/L

RT: 6.037 min Scan# 81

Delta R.T. -0.043 min

Lab File: VX035213.D

Acq: 20 Apr 2023 14:16

Instrument :

MSVOA_X

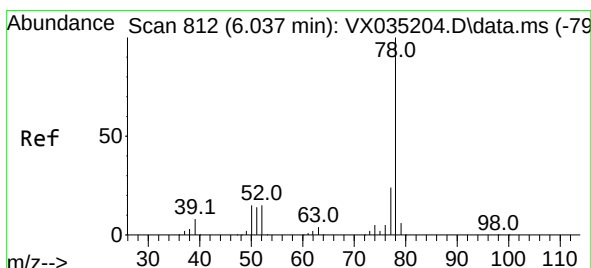
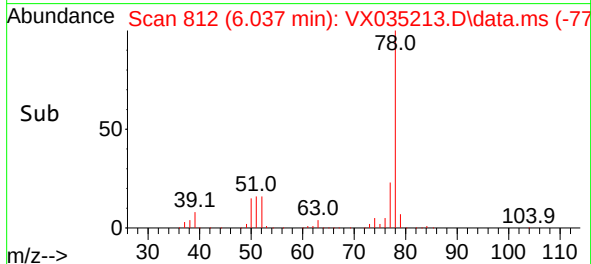
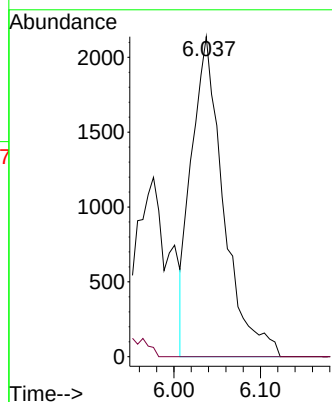
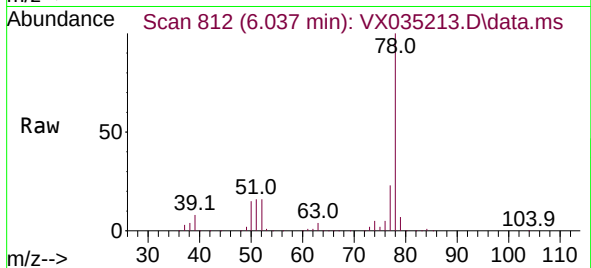
ClientSampleId :

Tgt Ion: 62 Resp: 5514

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.8#



#33

Benzene

Concen: 55.619 ug/L

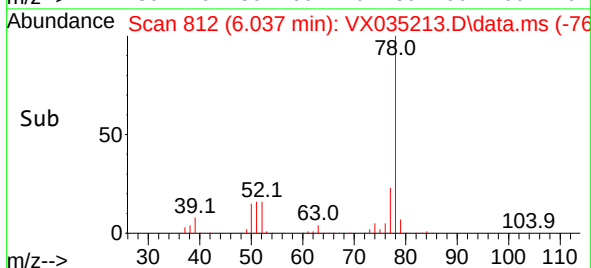
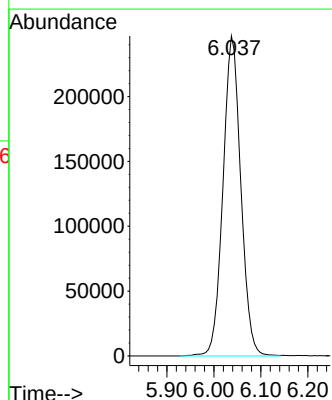
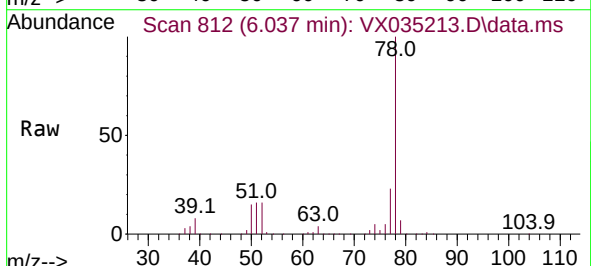
RT: 6.037 min Scan# 812

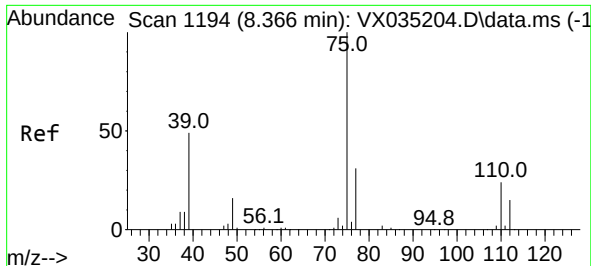
Delta R.T. -0.000 min

Lab File: VX035213.D

Acq: 20 Apr 2023 14:16

Tgt Ion: 78 Resp: 651985





#39

cis-1,3-Dichloropropene

Concen: 0.919 ug/L

RT: 8.324 min Scan# 1187

Delta R.T. -0.043 min

Lab File: VX035213.D

Acq: 20 Apr 2023 14:16

Instrument :

MSVOA_X

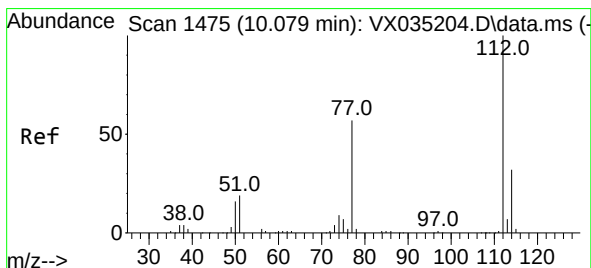
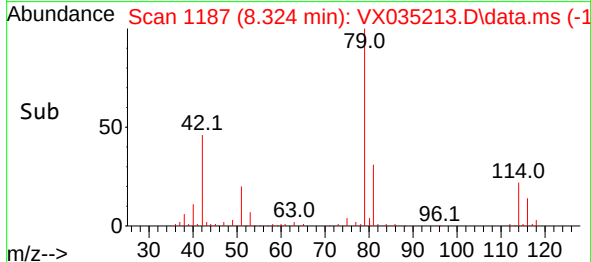
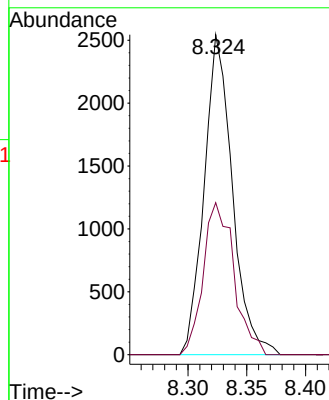
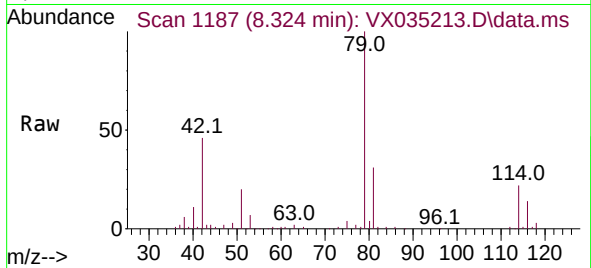
ClientSampleId :

Tgt Ion: 75 Resp: 4242

Ion Ratio Lower Upper

75 100

77 47.5 21.4 39.8#



#51

Chlorobenzene

Concen: 56.191 ug/L

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX035213.D

Acq: 20 Apr 2023 14:16

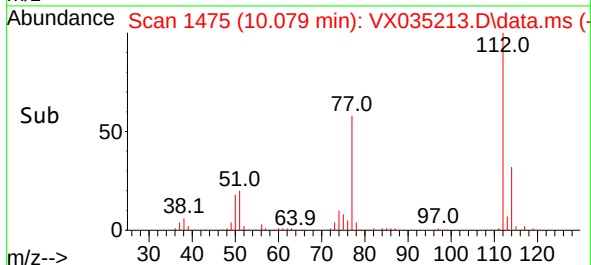
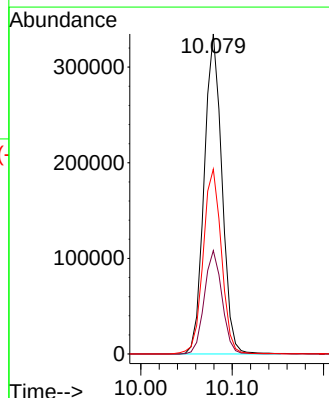
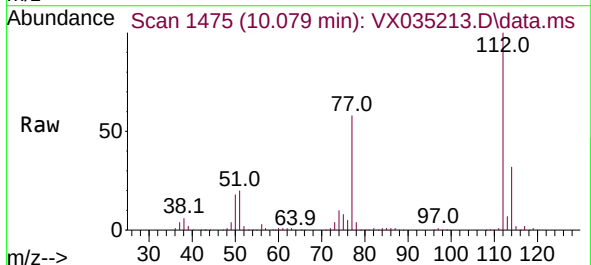
Tgt Ion: 112 Resp: 450237

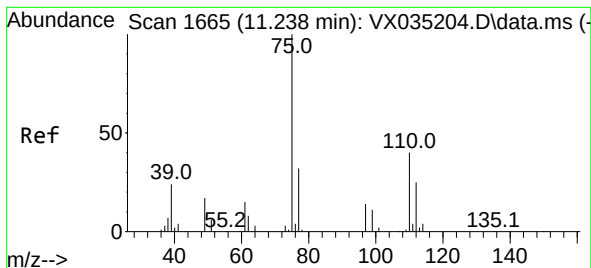
Ion Ratio Lower Upper

112 100

114 32.3 22.4 41.6

77 57.7 47.0 70.6





#61

1,2,3-Trichloropropane

Concen: 4.218 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. 0.731 min

Lab File: VX035213.D

Acq: 20 Apr 2023 14:16

Instrument :

MSVOA_X

ClientSampleId :

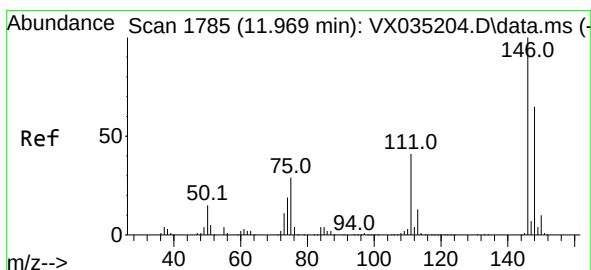
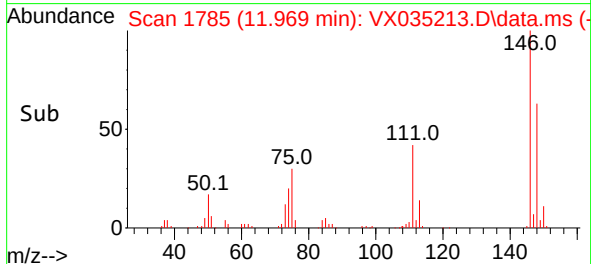
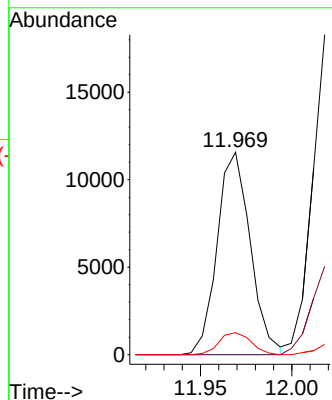
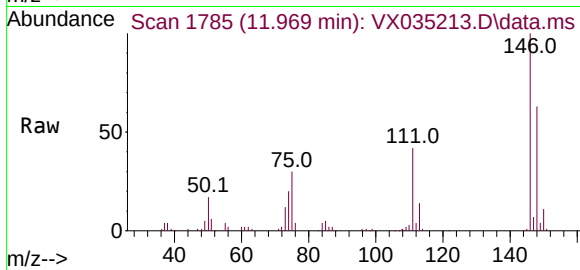
Tgt Ion: 75 Resp: 14608

Ion Ratio Lower Upper

75 100

77 0.0 25.6 38.4#

110 10.5 32.5 48.7#



#64

1,3-Dichlorobenzene

Concen: 8.274 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX035213.D

Acq: 20 Apr 2023 14:16

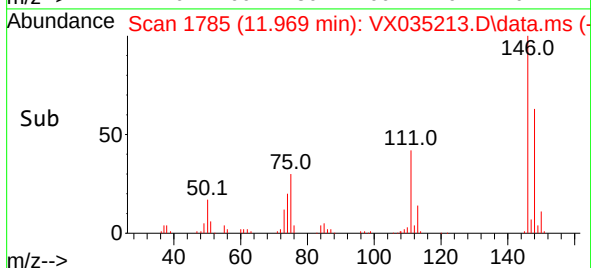
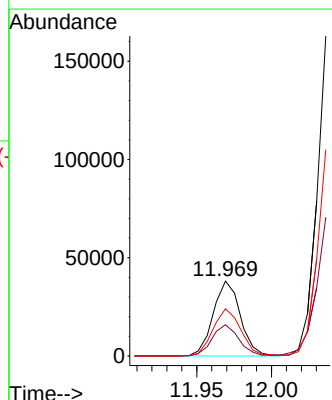
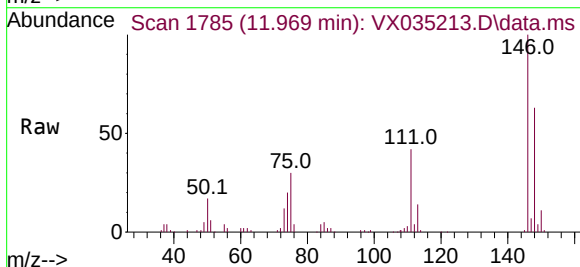
Tgt Ion:146 Resp: 48132

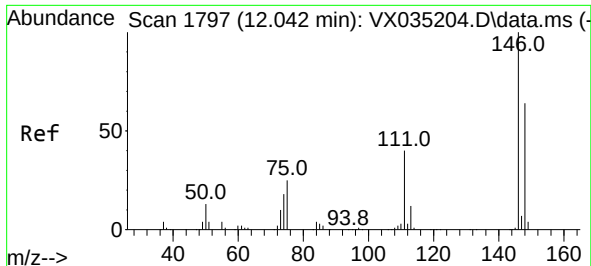
Ion Ratio Lower Upper

146 100

111 41.8 28.9 53.7

148 63.2 44.3 82.3





#65

1,4-Dichlorobenzene

Concen: 39.890 ug/L

RT: 12.042 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VX035213.D

Acq: 20 Apr 2023 14:16

Instrument :

MSVOA_X

ClientSampleId :

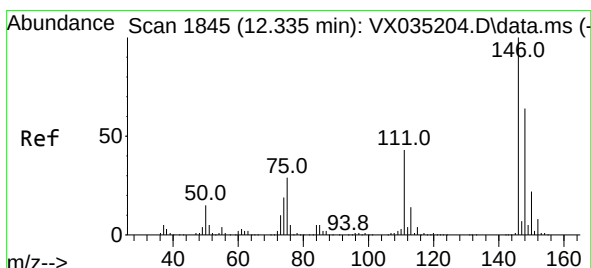
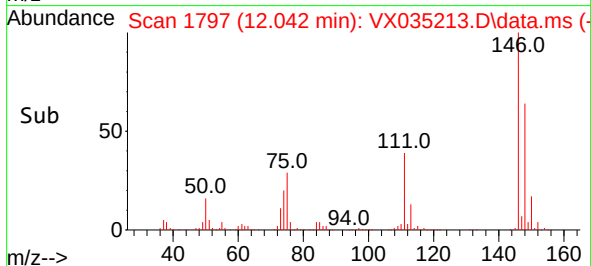
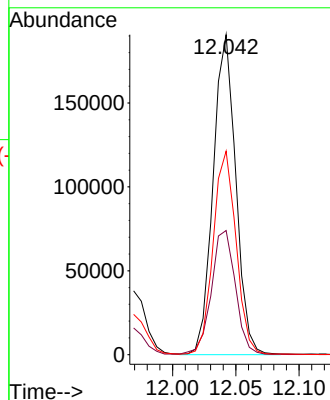
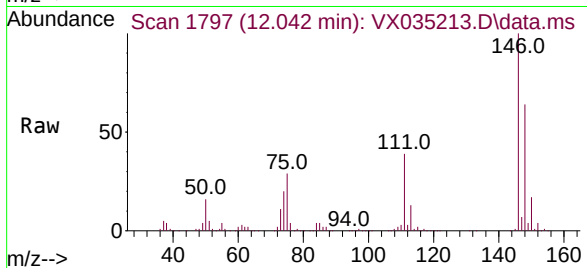
Tgt Ion:146 Resp: 237439

Ion Ratio Lower Upper

146 100

111 38.8 27.9 51.7

148 63.6 45.9 85.3



#67

1,2-Dichlorobenzene

Concen: 50.922 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX035213.D

Acq: 20 Apr 2023 14:16

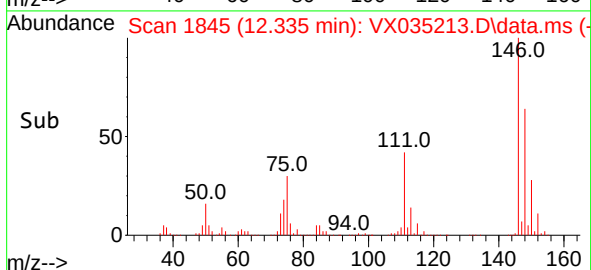
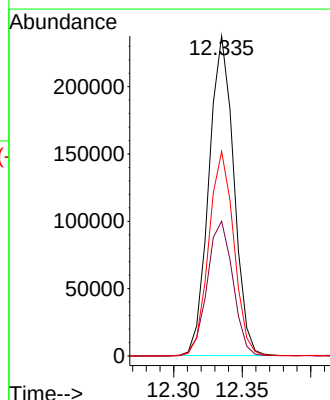
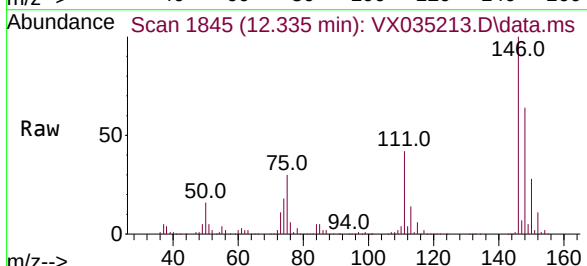
Tgt Ion:146 Resp: 300349

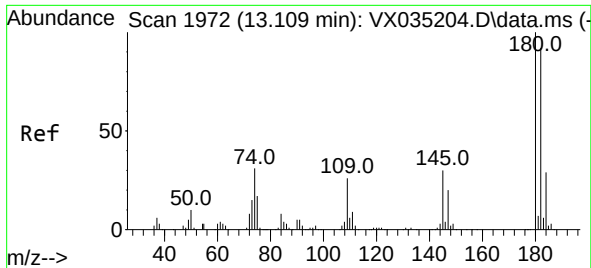
Ion Ratio Lower Upper

146 100

111 42.1 34.7 52.1

148 63.9 52.1 78.1





#69

1,3,5-Trichlorobenzene

Concen: 8.119 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.482 min

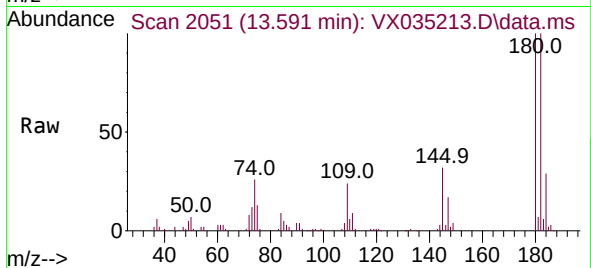
Lab File: VX035213.D

Acq: 20 Apr 2023 14:16

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 29198

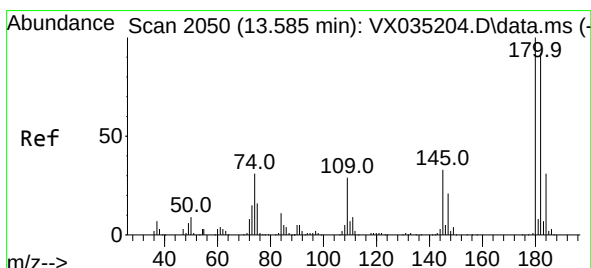
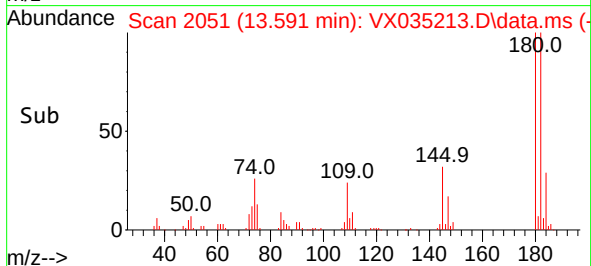
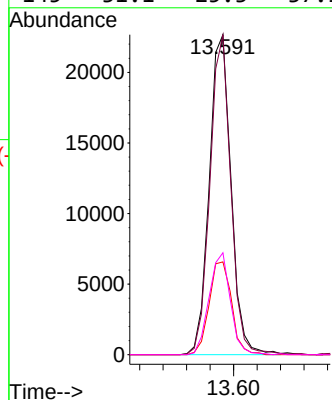
Ion Ratio Lower Upper

180 100

182 95.2 75.4 113.0

184 29.9 23.8 35.8

145 31.1 25.3 37.9



#70

1,2,4-trichlorobenzene

Concen: 8.671 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX035213.D

Acq: 20 Apr 2023 14:16

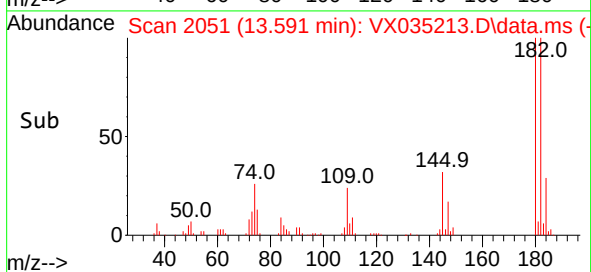
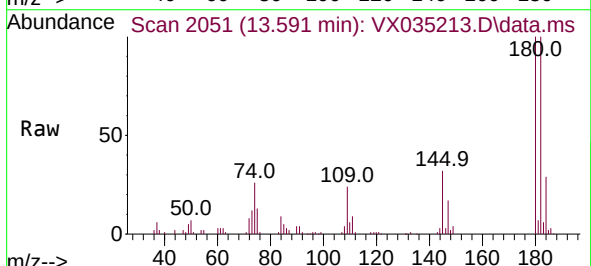
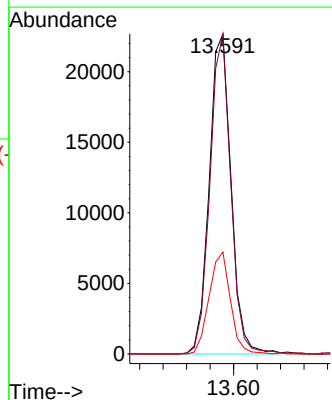
Tgt Ion:180 Resp: 29198

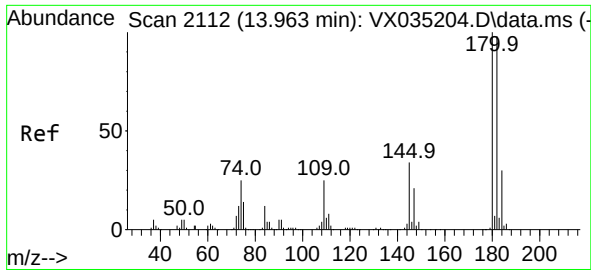
Ion Ratio Lower Upper

180 100

182 95.2 76.6 114.8

145 31.1 26.2 39.4





#72

1,2,3-Trichlorobenzene

Concen: 3.448 ug/L

RT: 13.963 min Scan# 21

Delta R.T. -0.000 min

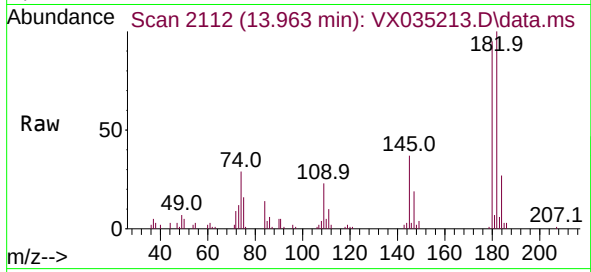
Lab File: VX035213.D

Acq: 20 Apr 2023 14:16

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 11463

Ion Ratio Lower Upper

180 100

182 94.9 75.0 112.6

145 36.1 27.1 40.7

