

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122123\
 Data File : VX039420.D
 Acq On : 21 Dec 2023 11:39
 Operator : JC/MD
 Sample : 05807-16
 Misc : 4.97g/5.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 22 00:42:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML120523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 22 00:41:09 2023
 Response via : Initial Calibration

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

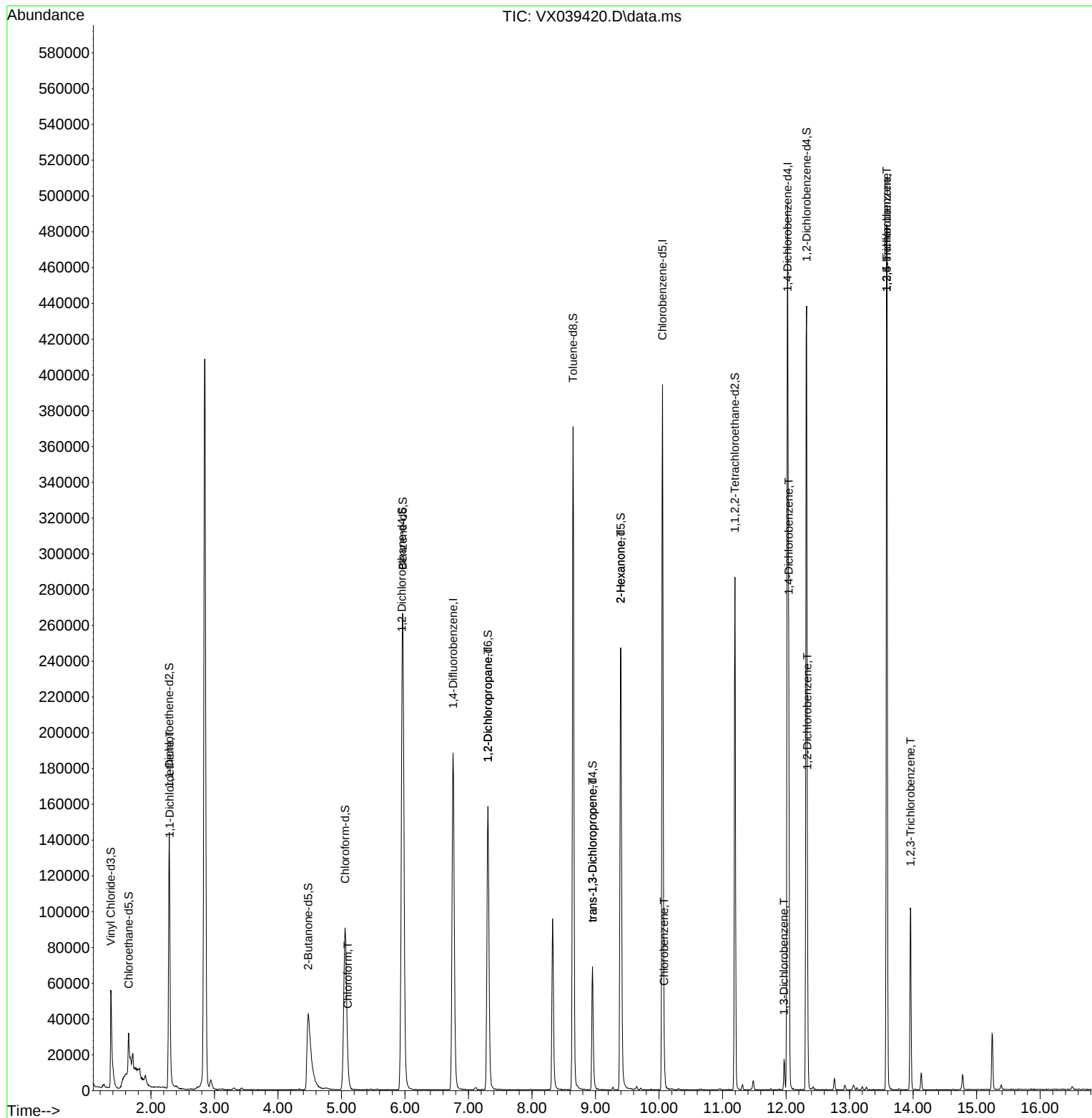
Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	187908	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	172419	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	85753	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	56548	38.368	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	76.740%		
7) Chloroethane-d5	1.648	69	23521	21.591	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	43.180%#		
11) 1,1-Dichloroethene-d2	2.288	65	27214	42.064	ug/L	-0.02
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.120%		
21) 2-Butanone-d5	4.477	46	120350	90.209	ug/L	0.04
Spiked Amount 100.000	Range 40 - 130		Recovery =	90.210%		
24) Chloroform-d	5.056	84	115883	44.416	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.840%		
26) 1,2-Dichloroethane-d4	5.952	65	88224	52.213	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.420%		
32) Benzene-d6	5.964	84	248565	46.712	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.420%		
36) 1,2-Dichloropropane-d6	7.305	67	81425	47.548	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.100%		
41) Toluene-d8	8.647	98	220626	45.752	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.500%		
43) trans-1,3-Dichloroprop...	8.952	79	32933	37.791	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	75.580%		
47) 2-Hexanone-d5	9.397	63	87650	85.696	ug/L	0.02
Spiked Amount 100.000	Range 45 - 130		Recovery =	85.700%		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	110241	45.380	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	90.760%		
66) 1,2-Dichlorobenzene-d4	12.323	152	78105	48.187	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.380%		
Target Compounds					Qvalue	
12) 1,1-Dichloroethene	2.294	96	785	0.648	ug/L #	1
25) Chloroform	5.099	83	8503	3.380	ug/L	90
37) 1,2-Dichloropropane	7.305	63	9691	6.377	ug/L #	89
44) trans-1,3-Dichloropropene	8.952	75	1843	0.819	ug/L #	68
48) 2-Hexanone	9.397	43	12182	5.715	ug/L #	68
51) Chlorobenzene	10.079	112	4898	1.365	ug/L #	87
64) 1,3-Dichlorobenzene	11.969	146	4647	1.733	ug/L	96
65) 1,4-Dichlorobenzene	12.042	146	63928	23.522	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	19168	7.471	ug/L	95
69) 1,3,5-Trichlorobenzene	13.585	180	98392	55.474	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	98392	58.844	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	22068	13.630	ug/L	96

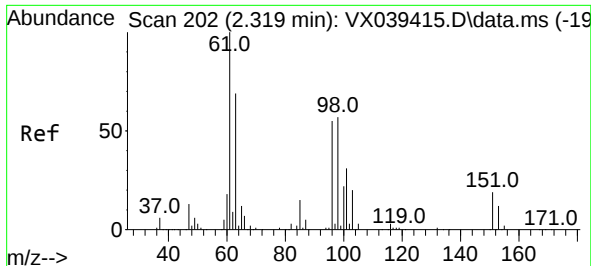
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM120523WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 22 00:41:09 2023
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.648 ug/L

RT: 2.294 min Scan# 198

Delta R.T. -0.024 min

Lab File: VX039420.D

Acq: 21 Dec 2023 11:39

Instrument :

MSVOA_X

ClientSampleId :

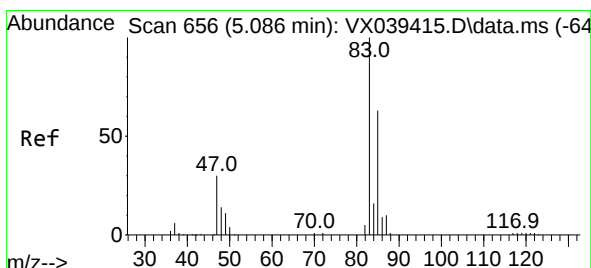
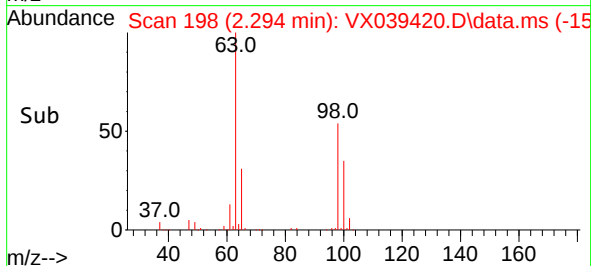
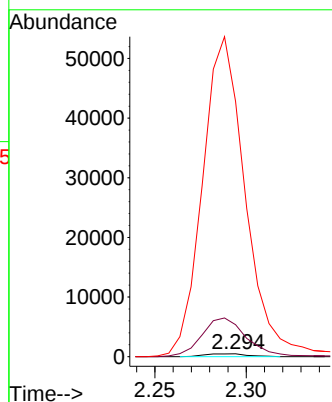
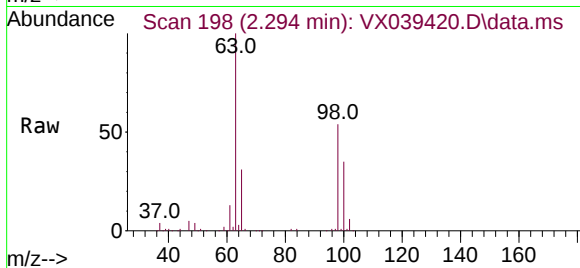
Tgt Ion: 96 Resp: 785

Ion Ratio Lower Upper

96 100

61 1110.1 128.0 237.6#

63 8844.6 101.5 188.5#



#25

Chloroform

Concen: 3.380 ug/L

RT: 5.099 min Scan# 658

Delta R.T. 0.012 min

Lab File: VX039420.D

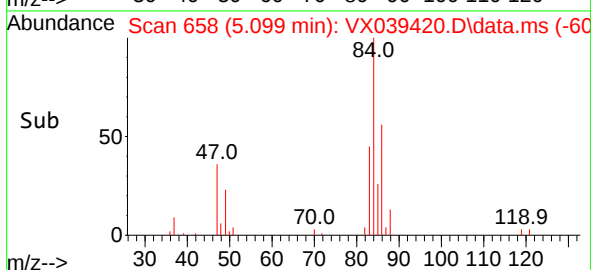
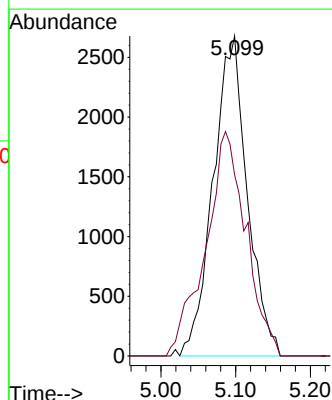
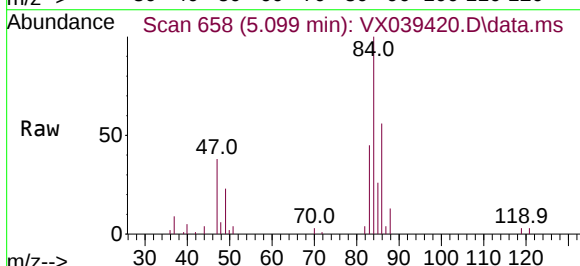
Acq: 21 Dec 2023 11:39

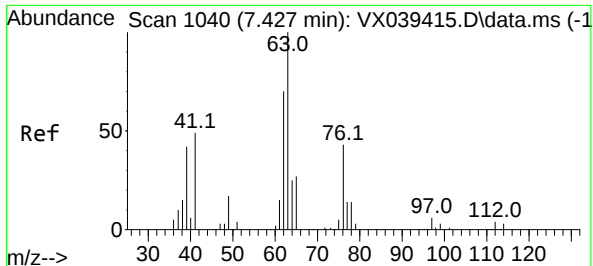
Tgt Ion: 83 Resp: 8503

Ion Ratio Lower Upper

83 100

85 56.7 45.1 83.7





#37

1,2-Dichloropropane

Concen: 6.377 ug/L

RT: 7.305 min Scan# 1

Delta R.T. -0.122 min

Lab File: VX039420.D

Acq: 21 Dec 2023 11:39

Instrument :

MSVOA_X

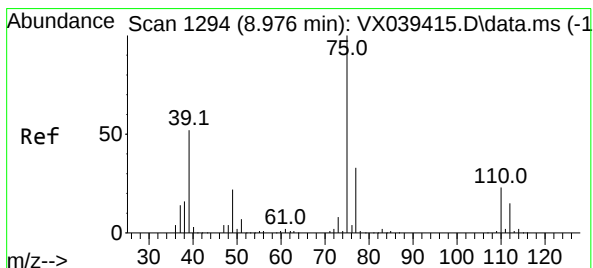
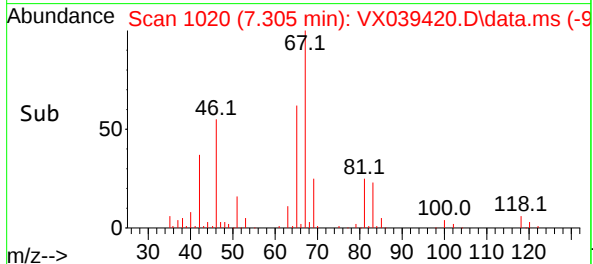
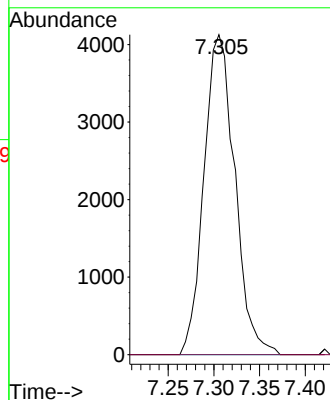
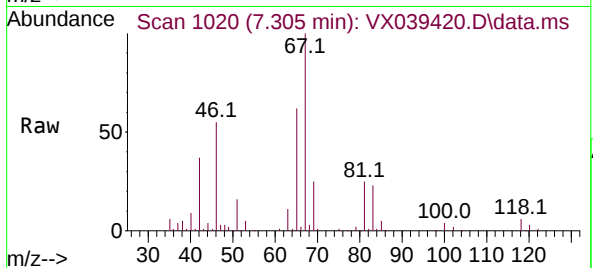
ClientSampleId :

Tgt Ion: 63 Resp: 9691

Ion Ratio Lower Upper

63 100

112 0.0 2.8 4.2#



#44

trans-1,3-Dichloropropene

Concen: 0.819 ug/L

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX039420.D

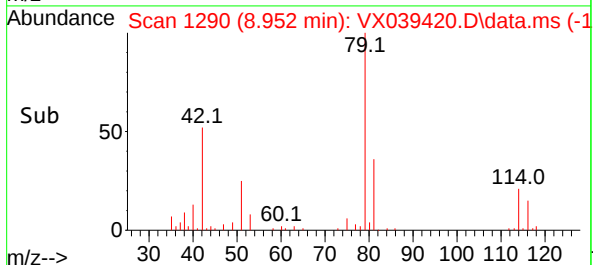
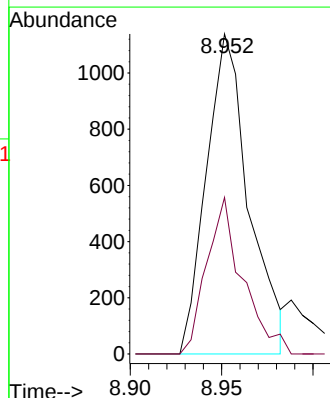
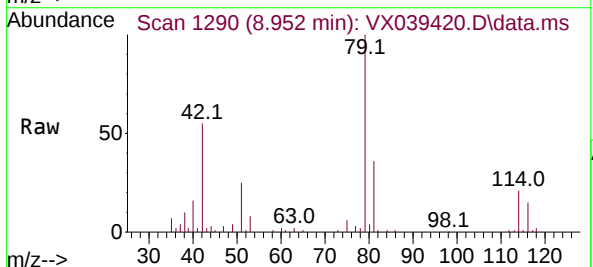
Acq: 21 Dec 2023 11:39

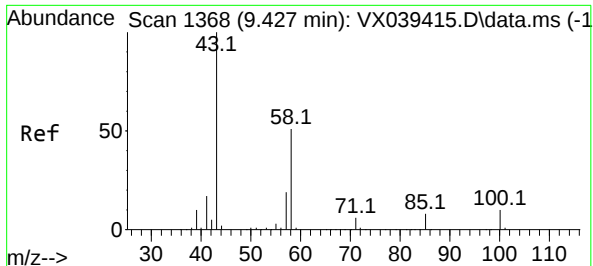
Tgt Ion: 75 Resp: 1843

Ion Ratio Lower Upper

75 100

77 48.9 22.0 40.8#





#48

2-Hexanone

Concen: 5.715 ug/L

RT: 9.397 min Scan# 1

Delta R.T. -0.030 min

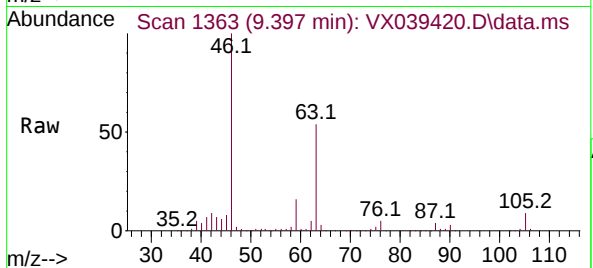
Lab File: VX039420.D

Acq: 21 Dec 2023 11:39

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 12182

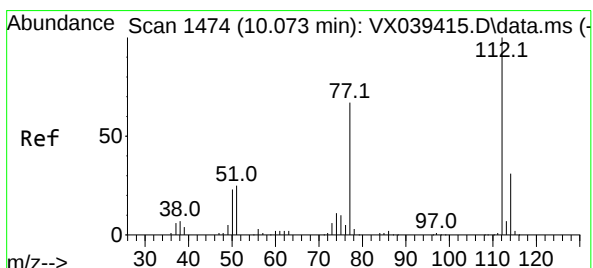
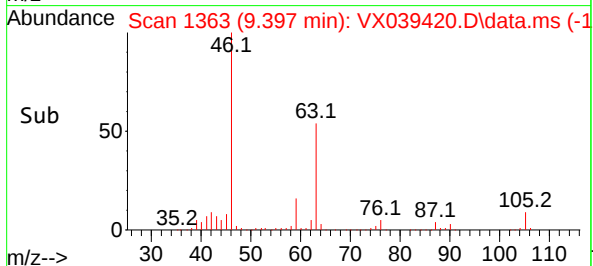
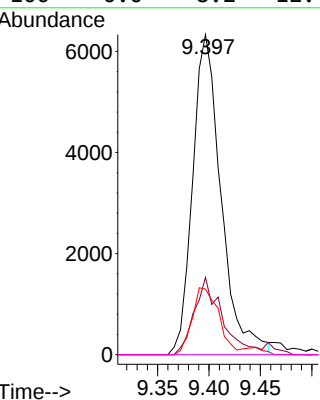
Ion Ratio Lower Upper

43 100

58 23.7 43.0 64.6#

57 19.5 14.6 21.8

100 0.0 8.2 12.4#



#51

Chlorobenzene

Concen: 1.365 ug/L

RT: 10.079 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VX039420.D

Acq: 21 Dec 2023 11:39

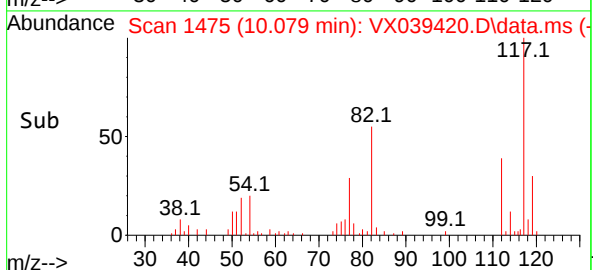
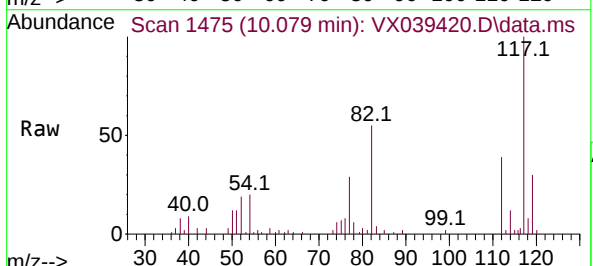
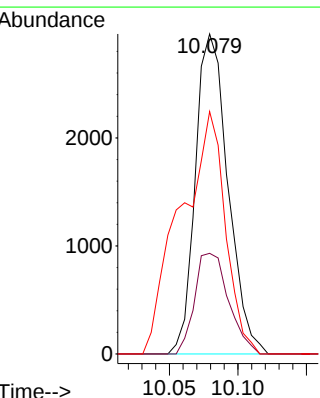
Tgt Ion: 112 Resp: 4898

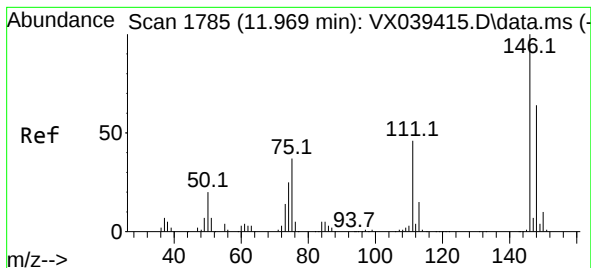
Ion Ratio Lower Upper

112 100

114 31.4 21.8 40.4

77 75.7 49.0 73.6#





#64

1,3-Dichlorobenzene

Concen: 1.733 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX039420.D

Acq: 21 Dec 2023 11:39

Instrument :

MSVOA_X

ClientSampleId :

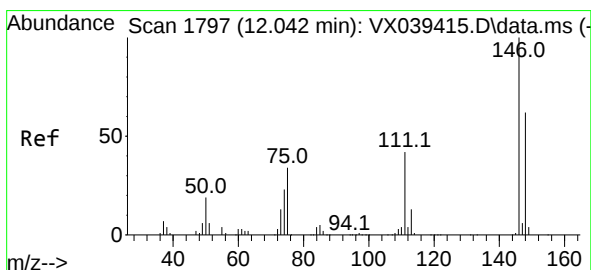
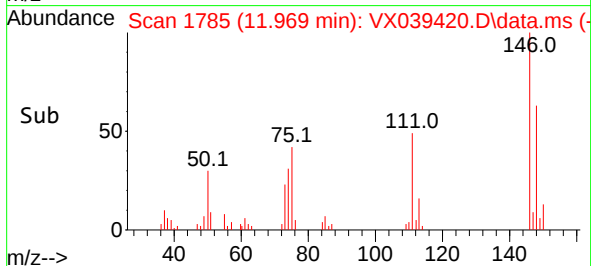
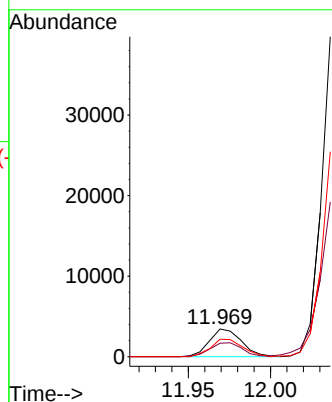
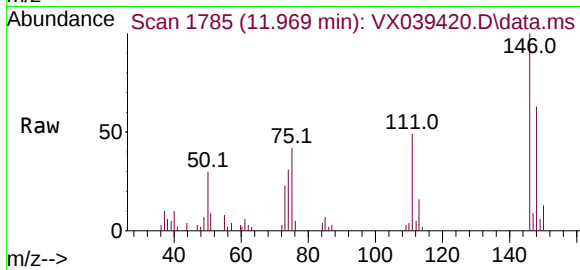
Tgt Ion:146 Resp: 4647

Ion Ratio Lower Upper

146 100

111 48.7 30.0 55.6

148 63.2 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 23.522 ug/L

RT: 12.042 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX039420.D

Acq: 21 Dec 2023 11:39

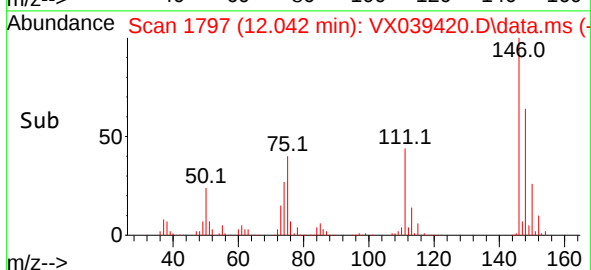
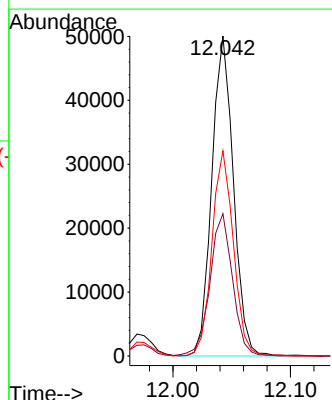
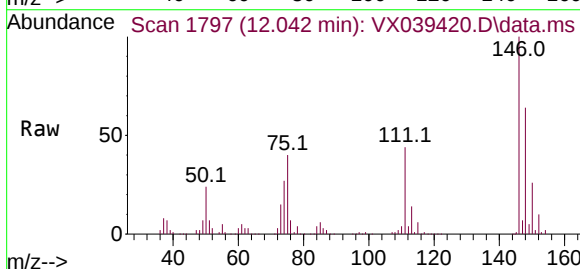
Tgt Ion:146 Resp: 63928

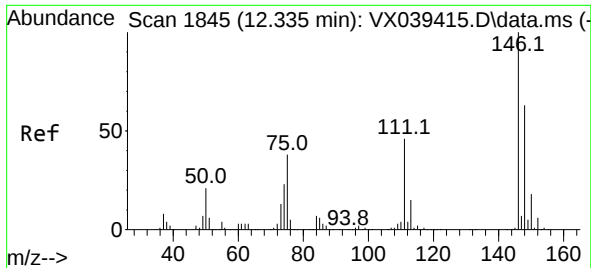
Ion Ratio Lower Upper

146 100

111 44.5 29.7 55.1

148 64.1 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 7.471 ug/L

RT: 12.335 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039420.D

Acq: 21 Dec 2023 11:39

Instrument :

MSVOA_X

ClientSampleId :

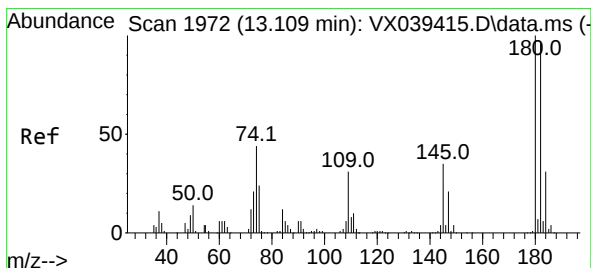
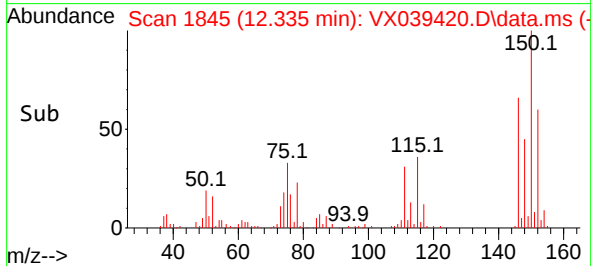
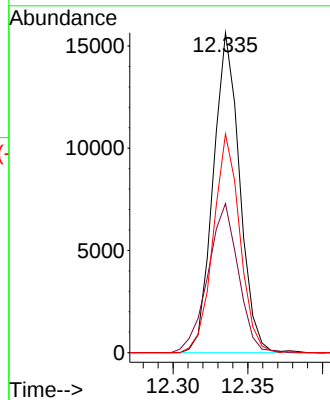
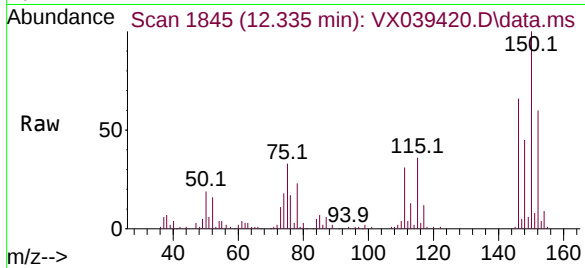
Tgt Ion:146 Resp: 19168

Ion Ratio Lower Upper

146 100

111 46.6 36.4 54.6

148 68.3 50.0 75.0



#69

1,3,5-Trichlorobenzene

Concen: 55.474 ug/L

RT: 13.585 min Scan# 2050

Delta R.T. 0.476 min

Lab File: VX039420.D

Acq: 21 Dec 2023 11:39

Tgt Ion:180 Resp: 98392

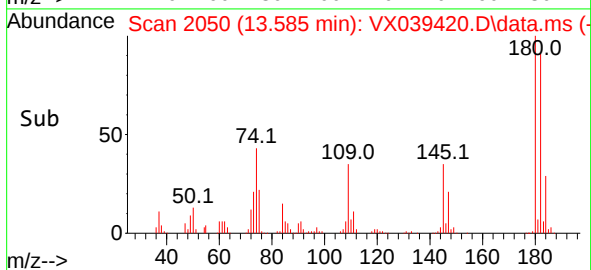
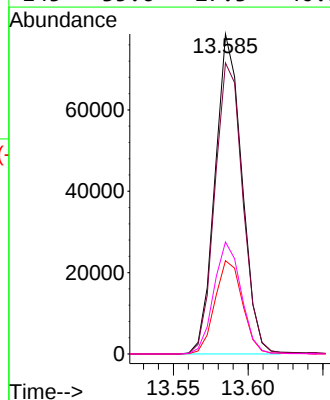
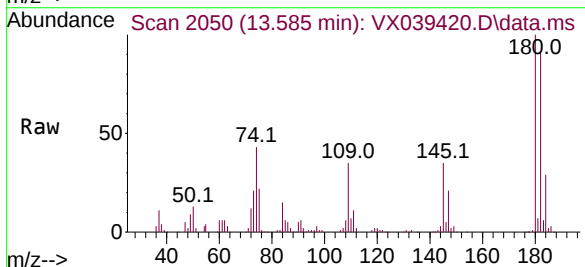
Ion Ratio Lower Upper

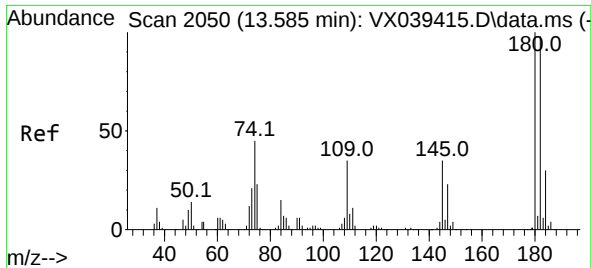
180 100

182 94.3 76.1 114.1

184 30.0 24.1 36.1

145 35.6 27.3 40.9

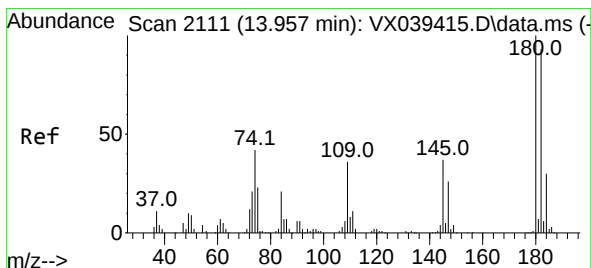
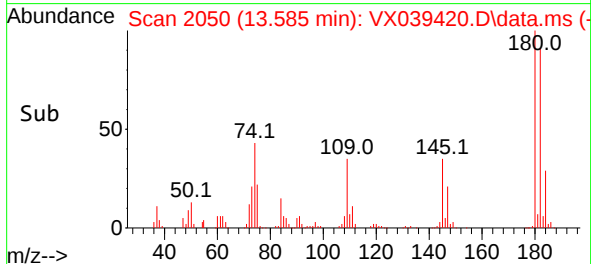
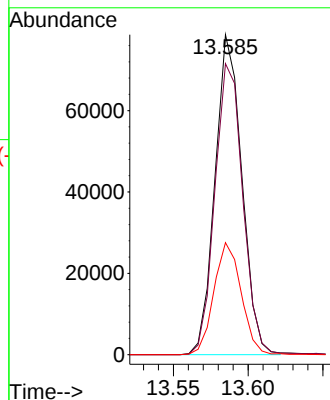
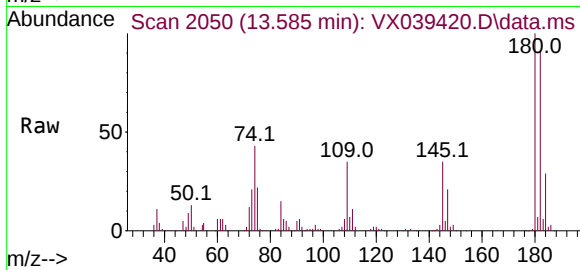




#70
1,2,4-trichlorobenzene
Concen: 58.844 ug/L
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX039420.D
Acq: 21 Dec 2023 11:39

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:180 Resp: 98392
Ion Ratio Lower Upper
180 100
182 94.3 76.8 115.2
145 35.6 27.8 41.6



#72
1,2,3-Trichlorobenzene
Concen: 13.630 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX039420.D
Acq: 21 Dec 2023 11:39

Tgt Ion:180 Resp: 22068
Ion Ratio Lower Upper
180 100
182 90.0 75.9 113.9
145 35.1 28.6 42.8

