

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071223\
 Data File : VX036503.D
 Acq On : 12 Jul 2023 11:41
 Operator : JC/MD
 Sample : VIBLK636
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB631

Quant Time: Jul 13 01:18:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML071223WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 13 01:12:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	321734	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	288971	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	138475	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	118750	51.744	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	103.480%	
7) Chloroethane-d5	1.666	69	113806	45.135	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	90.260%	
11) 1,1-Dichloroethene-d2	2.307	65	50973	52.055	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	104.120%	
21) 2-Butanone-d5	4.453	46	157480	98.254	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	98.250%	
24) Chloroform-d	5.056	84	195796	46.981	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	93.960%	
26) 1,2-Dichloroethane-d4	5.958	65	134478	47.244	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	94.480%	
32) Benzene-d6	5.977	84	413516	50.546	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	101.100%	
36) 1,2-Dichloropropane-d6	7.312	67	131683	50.779	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	101.560%	
41) Toluene-d8	8.647	98	386489	49.488	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	98.980%	
43) trans-1,3-Dichloroprop...	8.952	79	60064	48.648	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	97.300%	
47) 2-Hexanone-d5	9.385	63	115761	101.491	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	101.490%	
56) 1,1,2,2-Tetrachloroeth...	11.189	84	167418	49.070	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	98.140%	
66) 1,2-Dichlorobenzene-d4	12.317	152	133753	50.846	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	101.700%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	1714	0.764	ug/L	91
5) Vinyl chloride	1.374	62	1857	0.675	ug/L #	1
9) Trichlorofluoromethane	1.886	101	3013	0.692	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.313	101	3076	1.491	ug/L #	58
12) 1,1-Dichloroethene	2.313	96	2886	1.431	ug/L #	1
14) Carbon disulfide	2.514	76	11815	2.184	ug/L	95
17) trans-1,2-Dichloroethene	3.099	96	1990	0.980	ug/L	94
25) Chloroform	5.099	83	5609	1.344	ug/L	95
44) trans-1,3-Dichloropropene	8.952	75	3143	0.934	ug/L #	78
46) Tetrachloroethene	9.281	164	1635	1.000	ug/L	92
51) Chlorobenzene	10.080	112	3767	0.645	ug/L	91
52) Ethylbenzene	10.195	91	6074	0.615	ug/L #	79
53) m,p-Xylene	10.305	106	2547	0.676	ug/L	89
55) Styrene	10.659	104	3581	0.575	ug/L	98
60) Isopropylbenzene	10.964	105	7009	0.753	ug/L	95
62) 1,3,5-Trimethylbenzene	11.451	105	5748	0.739	ug/L	97
63) 1,2,4-Trimethylbenzene	11.756	105	6474	0.830	ug/L	92
64) 1,3-Dichlorobenzene	11.969	146	4667	1.121	ug/L	95
65) 1,4-Dichlorobenzene	12.043	146	5856	1.393	ug/L	97

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QLast Update : Thu Jul 13 01:12:57 2023
Response via : Initial Calibration

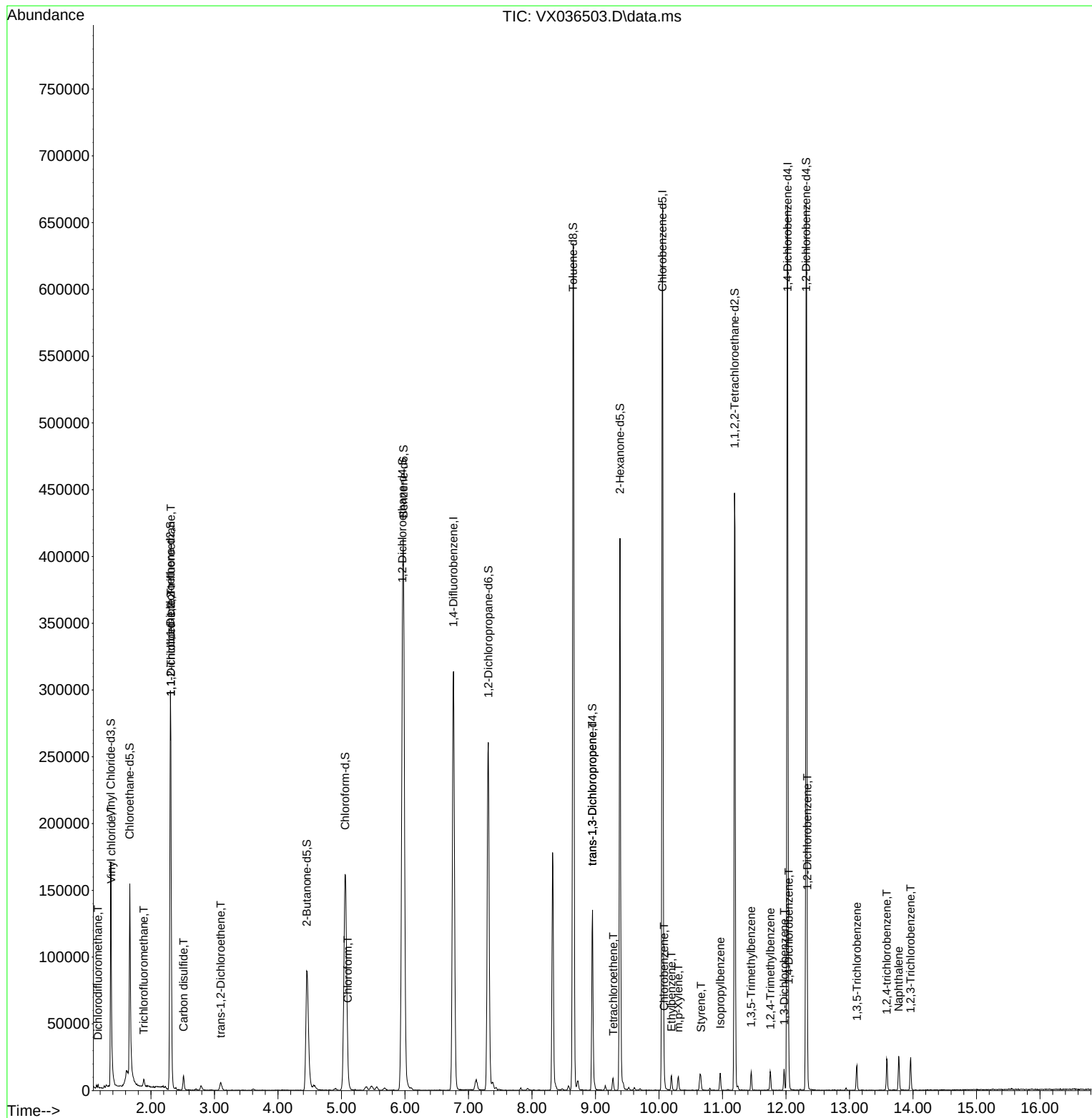
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.335	146	4177	1.011	ug/L	96
69) 1,3,5-Trichlorobenzene	13.116	180	4809	1.740	ug/L	95
70) 1,2,4-trichlorobenzene	13.585	180	5874	2.253	ug/L	97
71) Naphthalene	13.774	128	16774	1.886	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	5933	2.336	ug/L	95

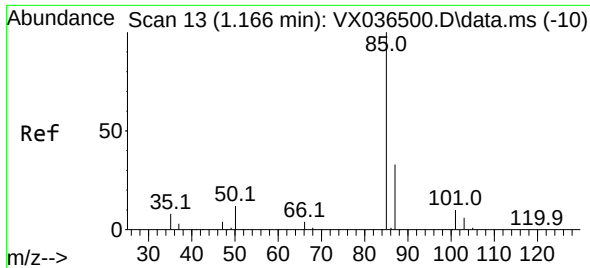
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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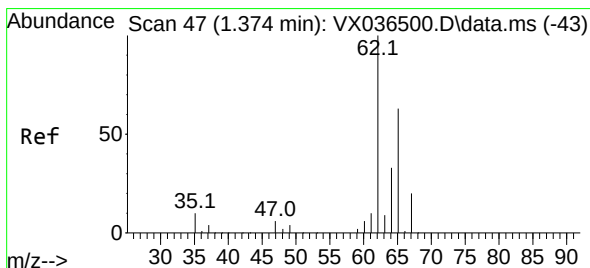
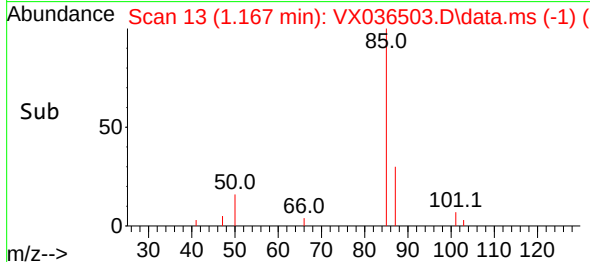
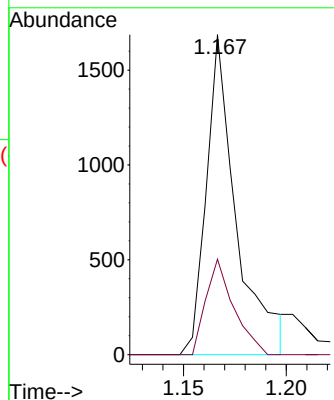
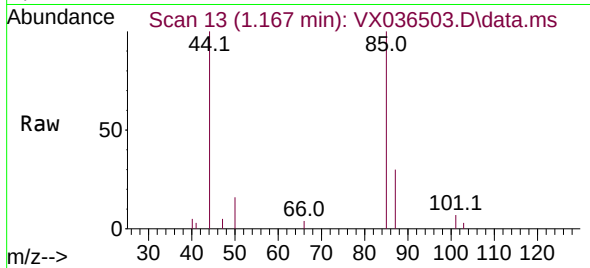




#2
Dichlorodifluoromethane
Concen: 0.764 ug/L
RT: 1.167 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036503.D
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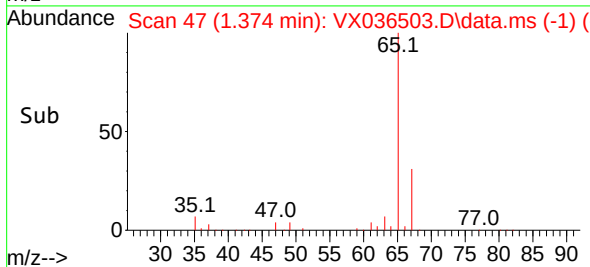
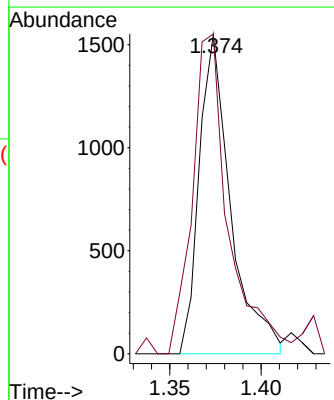
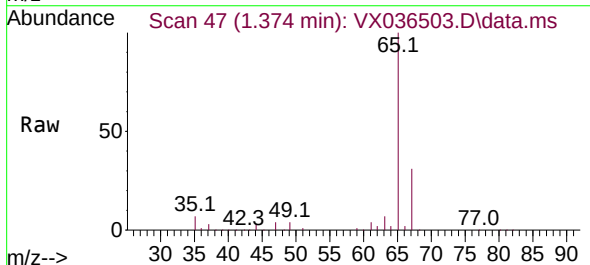
Instrument :
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ClientSampleId :
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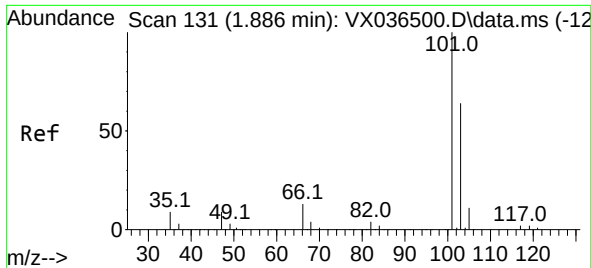
Tgt Ion: 85 Resp: 1714
Ion Ratio Lower Upper
85 100
87 27.7 26.3 39.5



#5
Vinyl chloride
Concen: 0.675 ug/L
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX036503.D
Acq: 12 Jul 2023 11:41

Tgt Ion: 62 Resp: 1857
Ion Ratio Lower Upper
62 100
64 100.2 22.8 42.4#

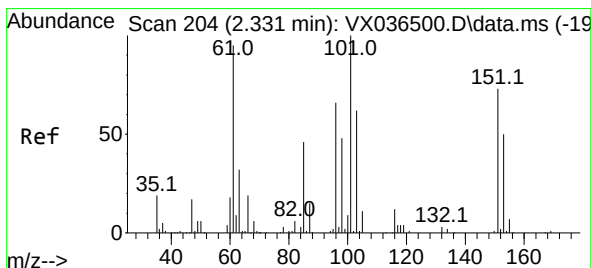
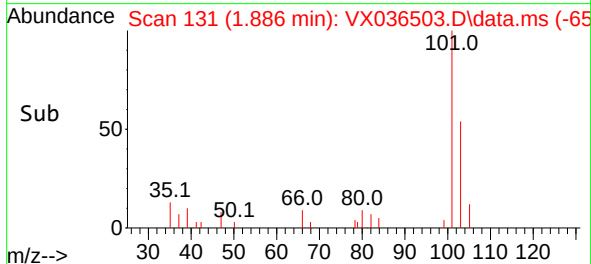
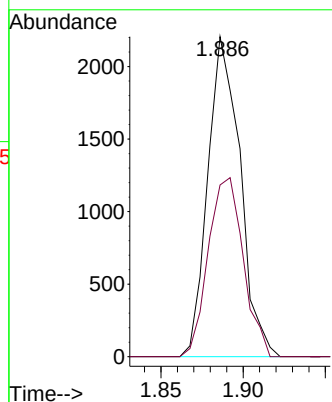
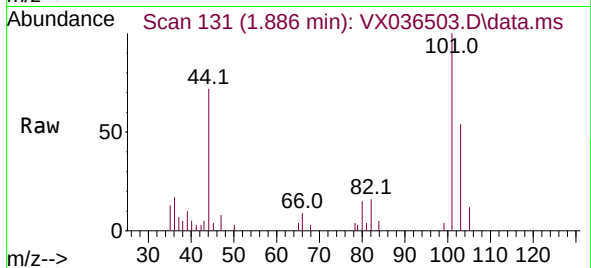




#9
 Trichlorofluoromethane
 Concen: 0.692 ug/L
 RT: 1.886 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX036503.D
 Acq: 12 Jul 2023 11:41

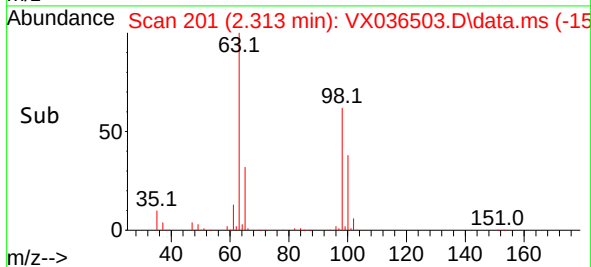
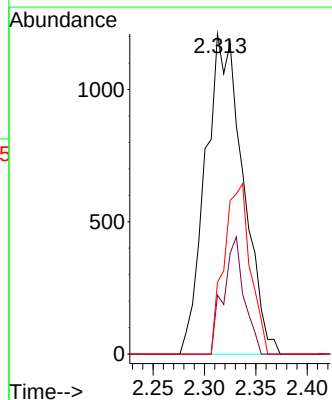
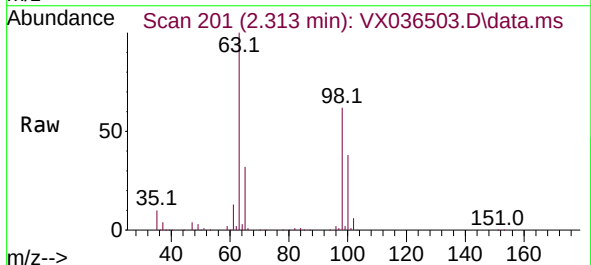
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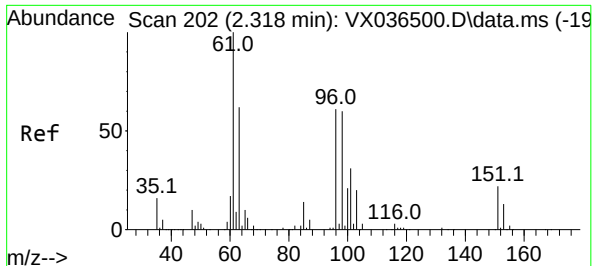
Tgt Ion:101 Resp: 3013
 Ion Ratio Lower Upper
 101 100
 103 60.6 51.7 77.5



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.491 ug/L
 RT: 2.313 min Scan# 201
 Delta R.T. -0.018 min
 Lab File: VX036503.D
 Acq: 12 Jul 2023 11:41

Tgt Ion:101 Resp: 3076
 Ion Ratio Lower Upper
 101 100
 85 20.1 35.8 53.8#
 151 37.1 59.8 89.6#





#12

1,1-Dichloroethene

Concen: 1.431 ug/L

RT: 2.313 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX036503.D

Acq: 12 Jul 2023 11:41

Instrument :

MSVOA_X

ClientSampleId :

BFB631

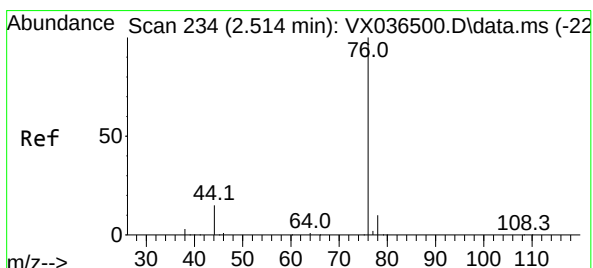
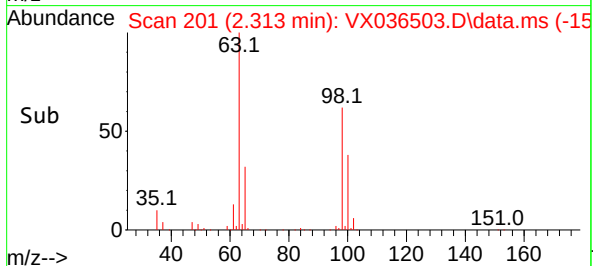
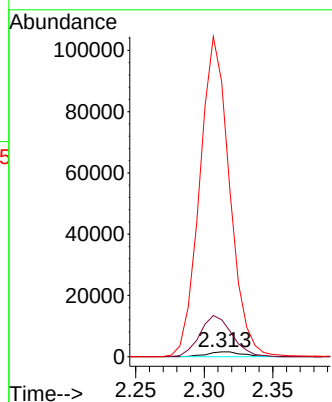
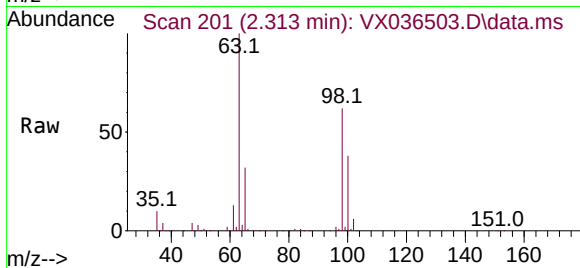
Tgt Ion: 96 Resp: 2886

Ion Ratio Lower Upper

96 100

61 755.1 115.3 214.1#

63 5627.1 76.3 141.7#



#14

Carbon disulfide

Concen: 2.184 ug/L

RT: 2.514 min Scan# 234

Delta R.T. 0.000 min

Lab File: VX036503.D

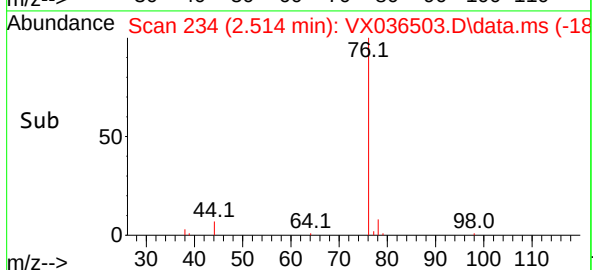
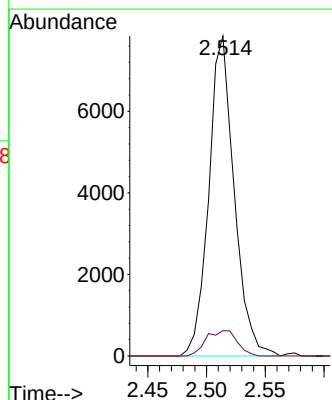
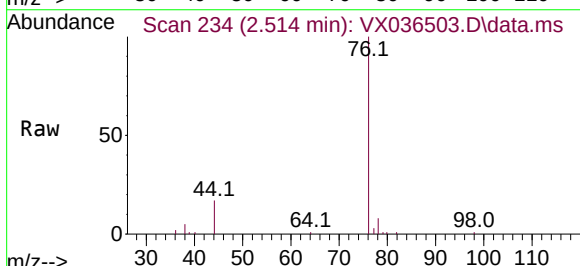
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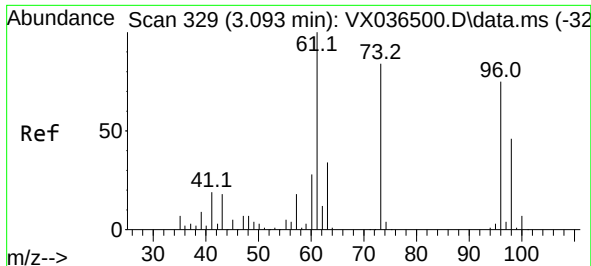
Tgt Ion: 76 Resp: 11815

Ion Ratio Lower Upper

76 100

78 7.9 7.8 11.6

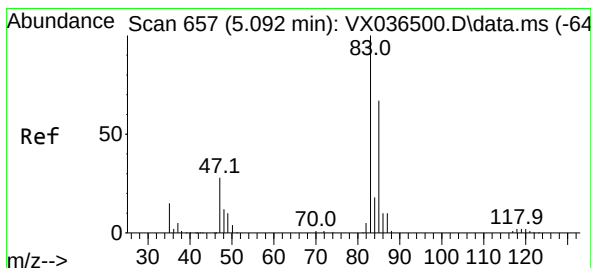
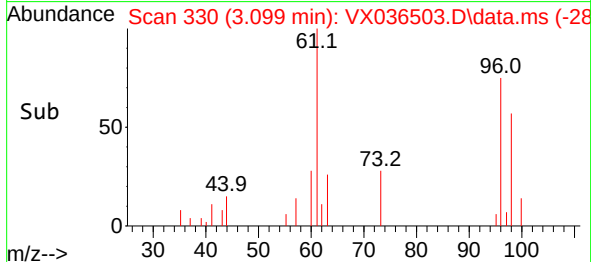
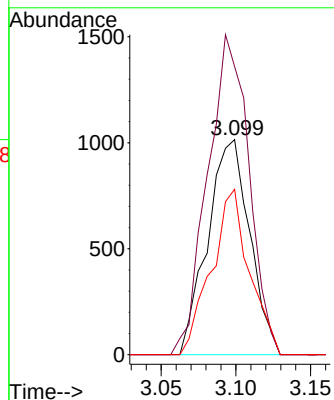
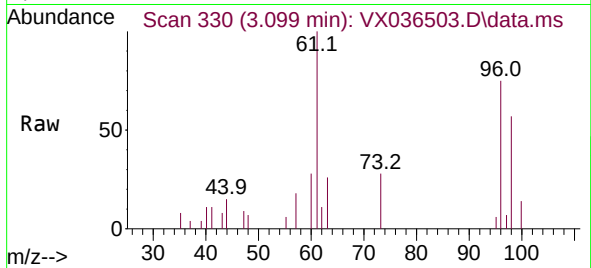




#17
trans-1,2-Dichloroethene
Concen: 0.980 ug/L
RT: 3.099 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX036503.D
Acq: 12 Jul 2023 11:41

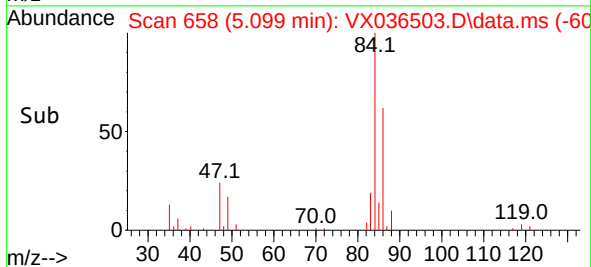
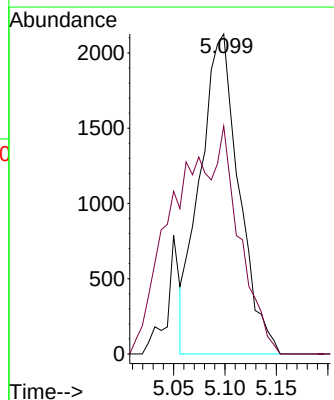
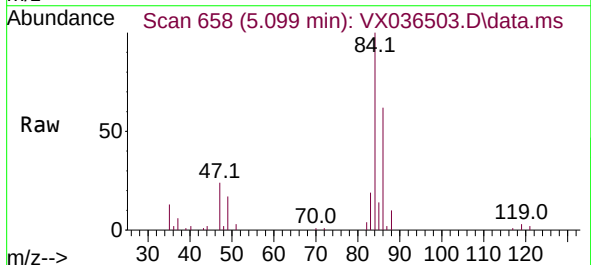
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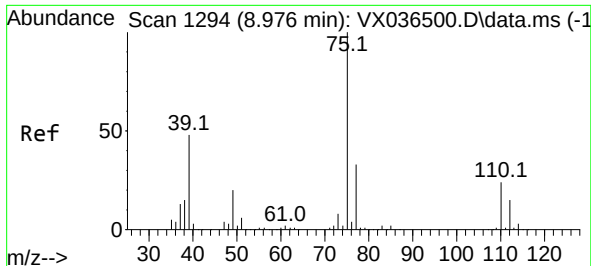
Tgt Ion: 96 Resp: 1990
Ion Ratio Lower Upper
96 100
61 134.0 93.7 174.1
98 76.9 42.9 79.7



#25
Chloroform
Concen: 1.344 ug/L
RT: 5.099 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX036503.D
Acq: 12 Jul 2023 11:41

Tgt Ion: 83 Resp: 5609
Ion Ratio Lower Upper
83 100
85 71.2 46.8 87.0

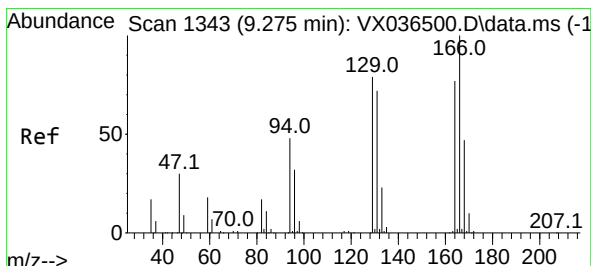
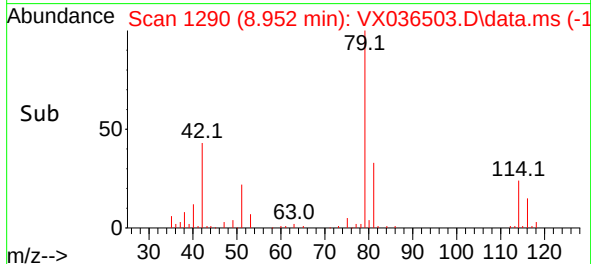
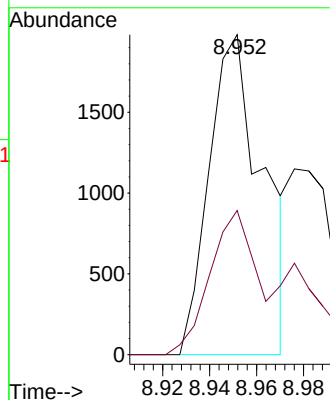
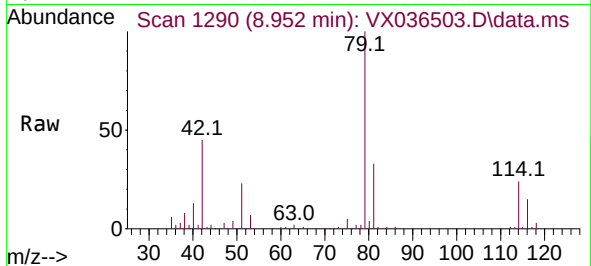




#44
trans-1,3-Dichloropropene
Concen: 0.934 ug/L
RT: 8.952 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX036503.D
Acq: 12 Jul 2023 11:41

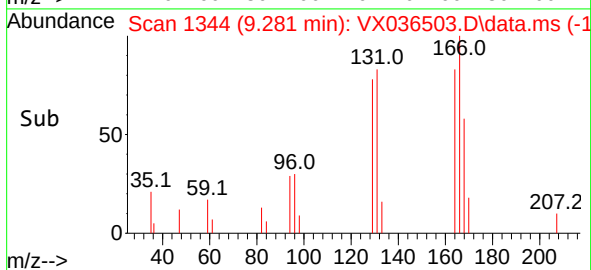
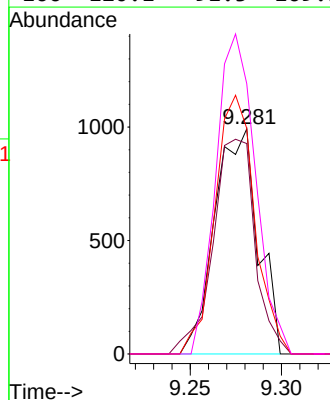
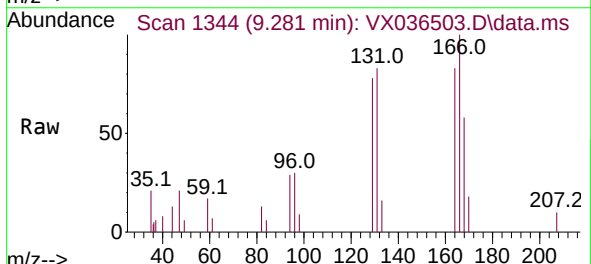
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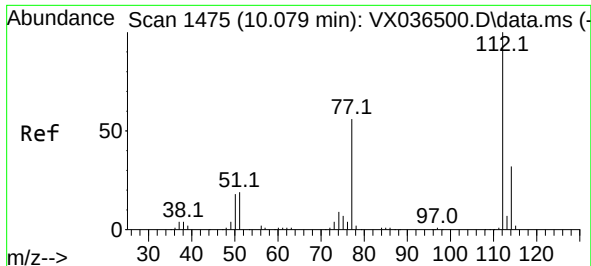
Tgt Ion: 75 Resp: 3143
Ion Ratio Lower Upper
75 100
77 45.1 22.9 42.5#



#46
Tetrachloroethene
Concen: 1.000 ug/L
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX036503.D
Acq: 12 Jul 2023 11:41

Tgt Ion: 164 Resp: 1635
Ion Ratio Lower Upper
164 100
129 93.4 72.0 133.8
131 100.2 65.7 121.9
166 120.1 91.3 169.5

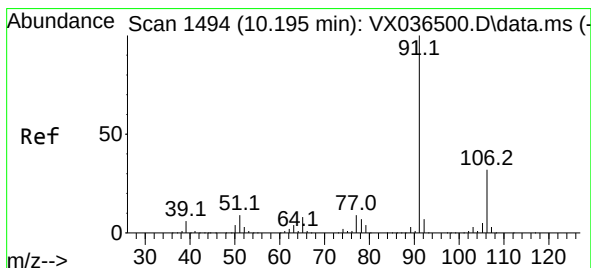
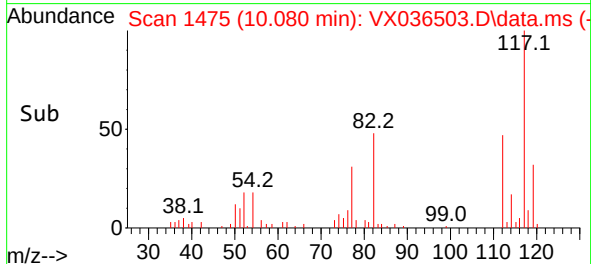
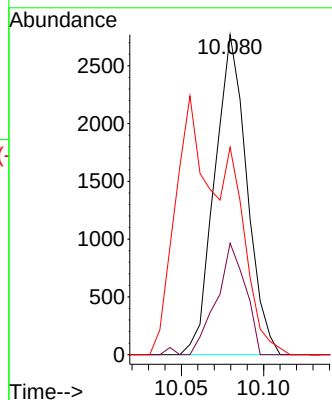
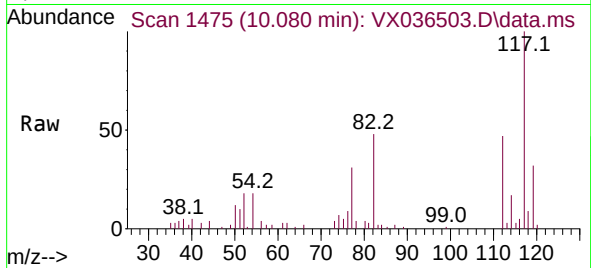




#51
Chlorobenzene
Concen: 0.645 ug/L
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX036503.D
Acq: 12 Jul 2023 11:41

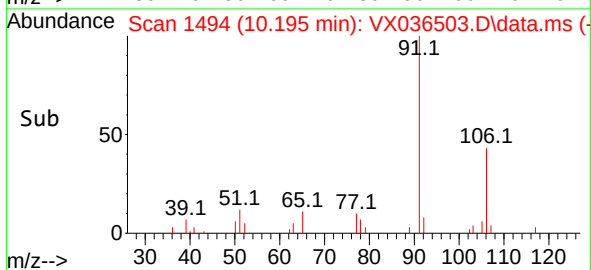
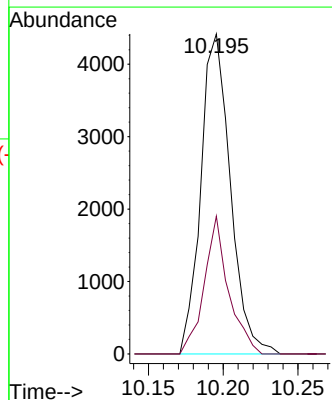
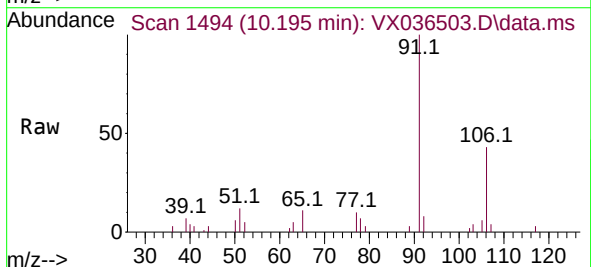
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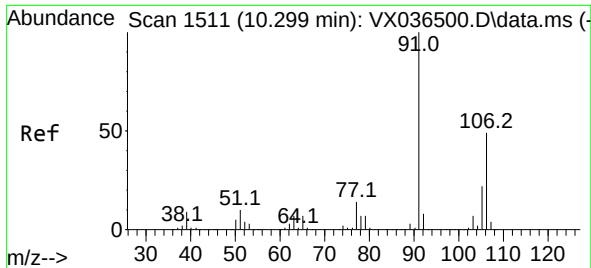
Tgt Ion:112 Resp: 3767
Ion Ratio Lower Upper
112 100
114 34.9 22.3 41.3
77 64.8 45.2 67.8



#52
Ethylbenzene
Concen: 0.615 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036503.D
Acq: 12 Jul 2023 11:41

Tgt Ion: 91 Resp: 6074
Ion Ratio Lower Upper
91 100
106 43.0 22.1 41.1#

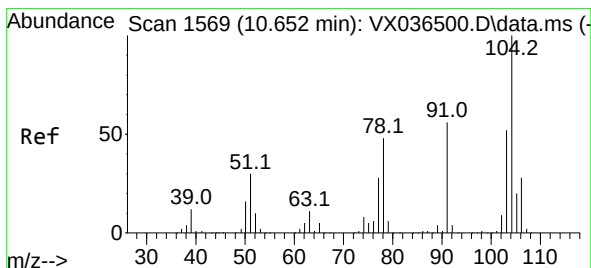
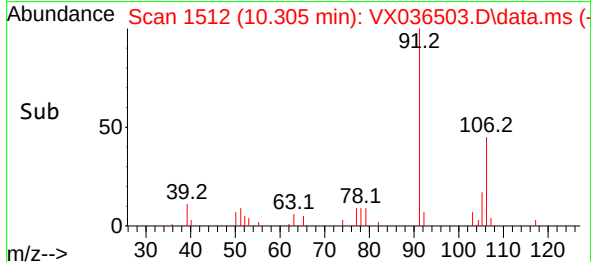
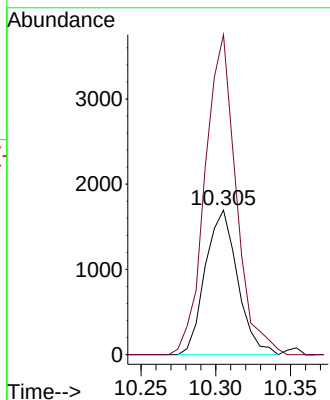
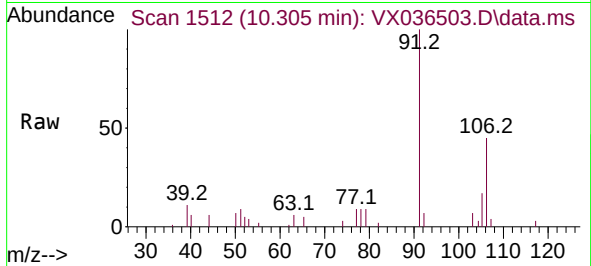




#53
m,p-Xylene
Concen: 0.676 ug/L
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX036503.D
Acq: 12 Jul 2023 11:41

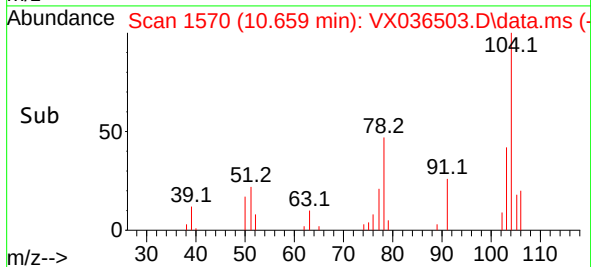
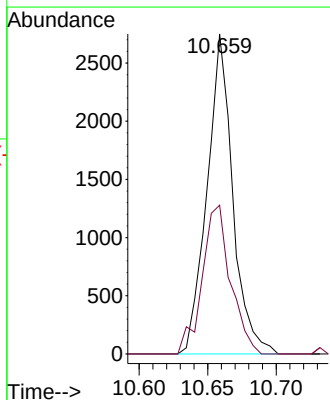
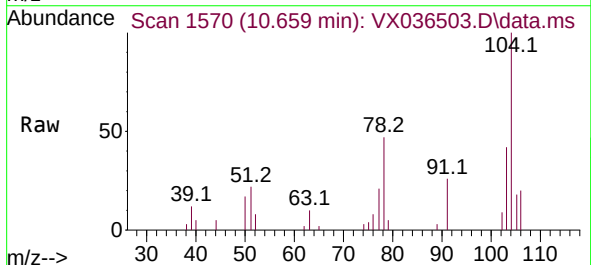
Instrument :
MSVOA_X
ClientSampleId :
BFB631

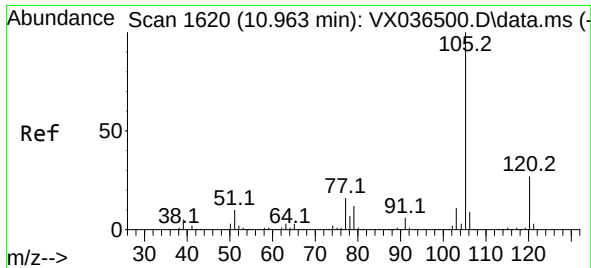
Tgt Ion:106 Resp: 2547
Ion Ratio Lower Upper
106 100
91 221.2 143.1 265.9



#55
Styrene
Concen: 0.575 ug/L
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX036503.D
Acq: 12 Jul 2023 11:41

Tgt Ion:104 Resp: 3581
Ion Ratio Lower Upper
104 100
78 46.5 33.5 62.3

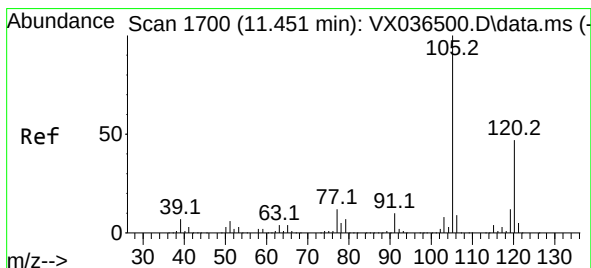
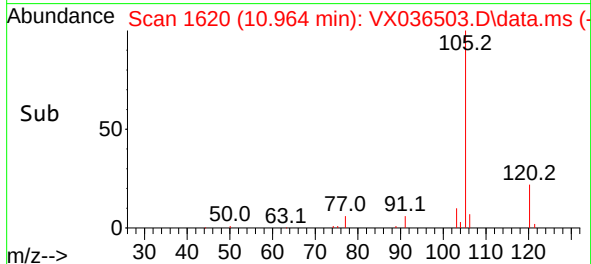
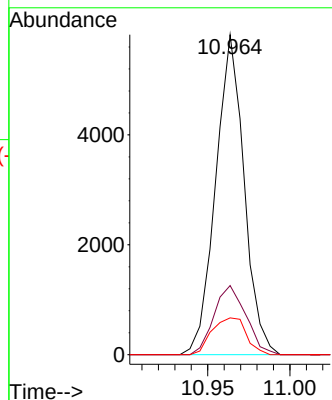
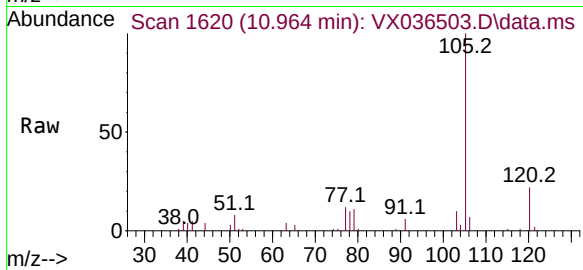




#60
Isopropylbenzene
Concen: 0.753 ug/L
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX036503.D
Acq: 12 Jul 2023 11:41

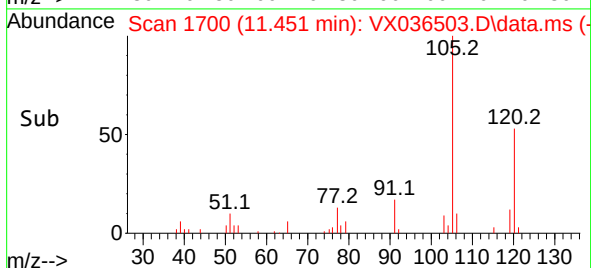
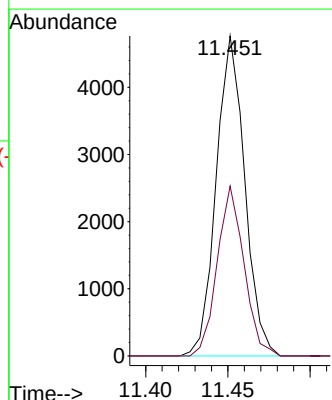
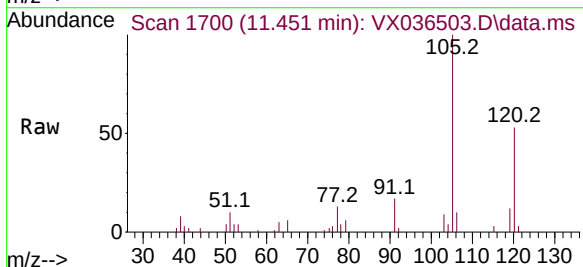
Instrument :
MSVOA_X
ClientSampleId :
BFB631

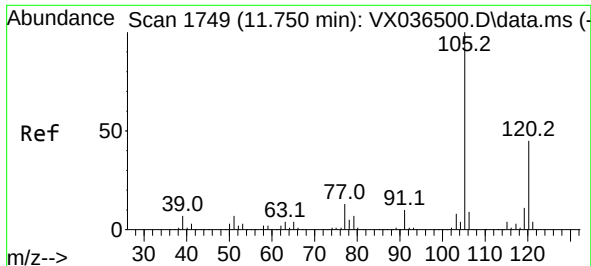
Tgt Ion:105 Resp: 7009
Ion Ratio Lower Upper
105 100
120 24.2 21.5 32.3
77 13.9 12.7 19.1



#62
1,3,5-Trimethylbenzene
Concen: 0.739 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX036503.D
Acq: 12 Jul 2023 11:41

Tgt Ion:105 Resp: 5748
Ion Ratio Lower Upper
105 100
120 49.8 38.3 57.5

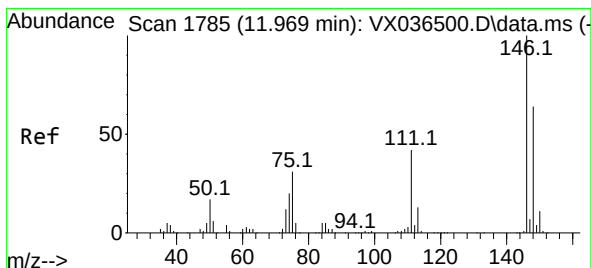
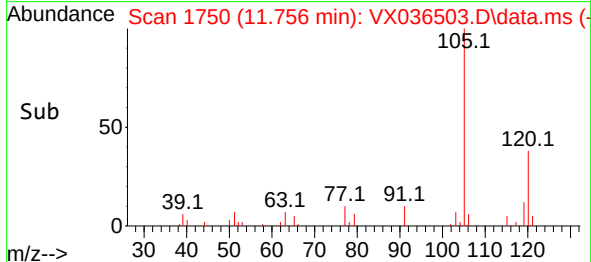
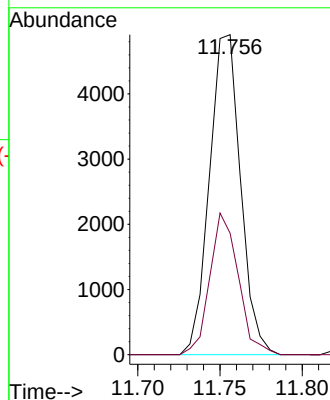
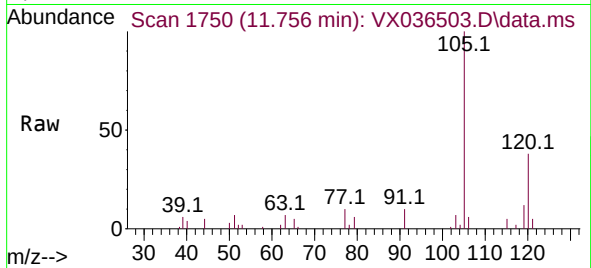




#63
1,2,4-Trimethylbenzene
Concen: 0.830 ug/L
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX036503.D
Acq: 12 Jul 2023 11:41

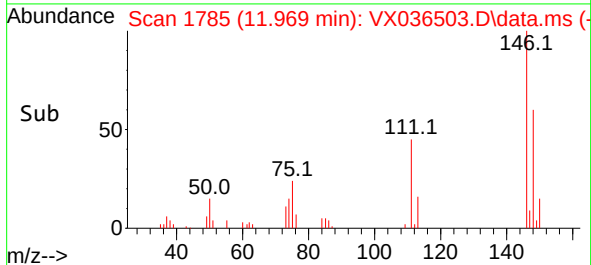
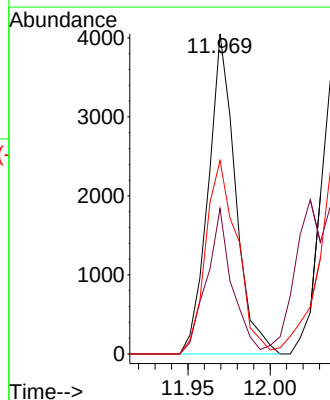
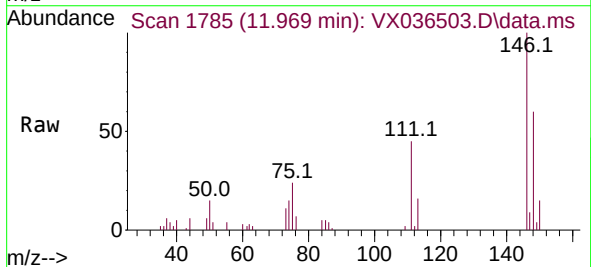
Instrument :
MSVOA_X
ClientSampleId :
BFB631

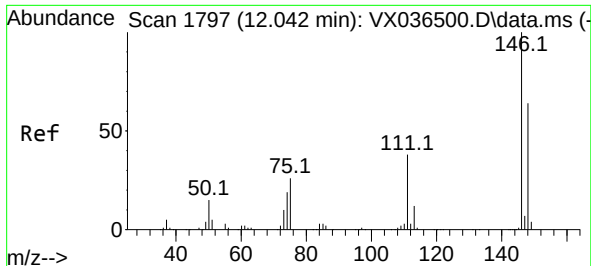
Tgt Ion:105 Resp: 6474
Ion Ratio Lower Upper
105 100
120 40.5 36.7 55.1



#64
1,3-Dichlorobenzene
Concen: 1.121 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX036503.D
Acq: 12 Jul 2023 11:41

Tgt Ion:146 Resp: 4667
Ion Ratio Lower Upper
146 100
111 45.4 29.5 54.7
148 60.5 44.9 83.5





#65

1,4-Dichlorobenzene

Concen: 1.393 ug/L

RT: 12.043 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036503.D

Acq: 12 Jul 2023 11:41

Instrument :

MSVOA_X

ClientSampleId :

BFB631

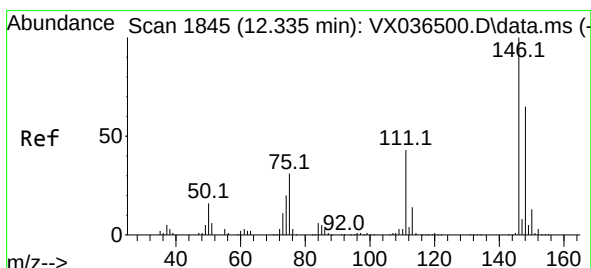
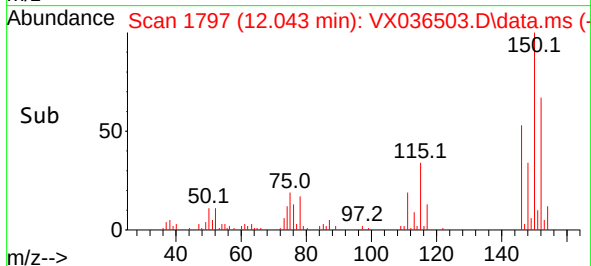
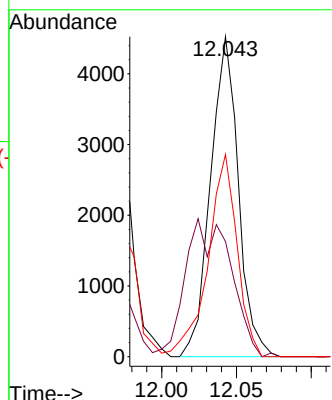
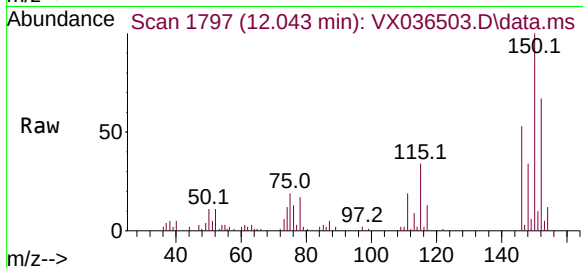
Tgt Ion:146 Resp: 5856

Ion Ratio Lower Upper

146 100

111 36.0 27.1 50.3

148 63.2 45.2 84.0



#67

1,2-Dichlorobenzene

Concen: 1.011 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX036503.D

Acq: 12 Jul 2023 11:41

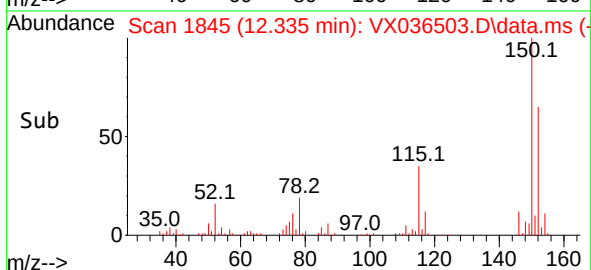
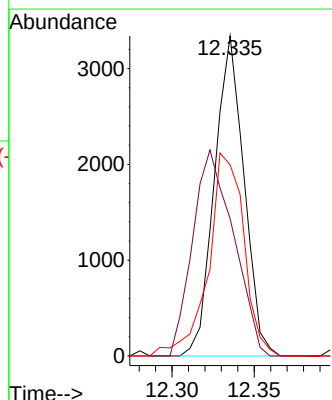
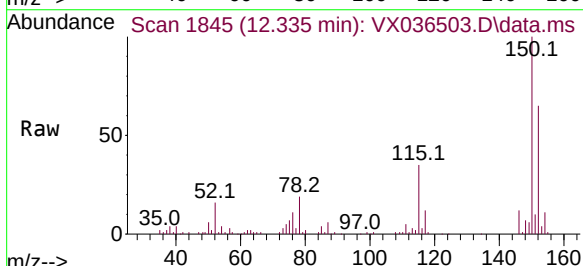
Tgt Ion:146 Resp: 4177

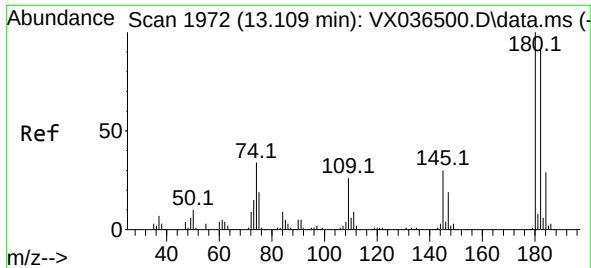
Ion Ratio Lower Upper

146 100

111 42.9 34.4 51.6

148 59.7 51.9 77.9





#69

1,3,5-Trichlorobenzene

Concen: 1.740 ug/L

RT: 13.116 min Scan# 1972

Delta R.T. 0.006 min

Lab File: VX036503.D

Acq: 12 Jul 2023 11:41

Instrument :

MSVOA_X

ClientSampleId :

BFB631

Tgt Ion:180 Resp: 4809

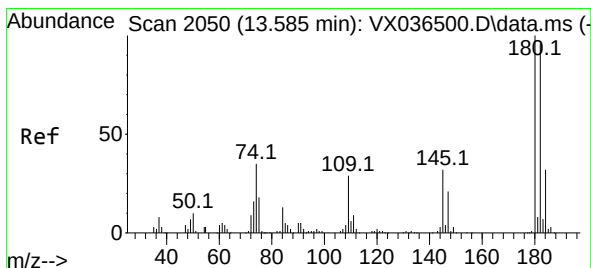
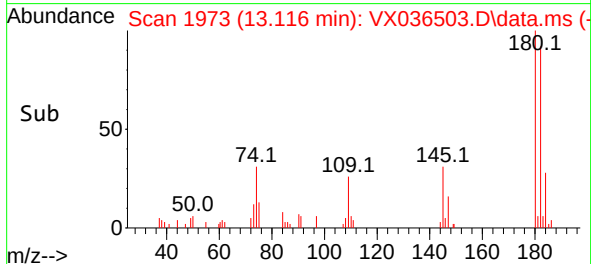
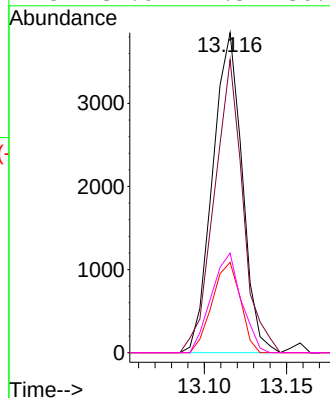
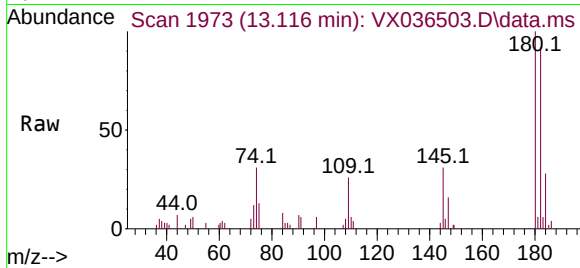
Ion Ratio Lower Upper

180 100

182 88.6 75.2 112.8

184 26.8 23.9 35.9

145 31.6 24.5 36.7



#70

1,2,4-trichlorobenzene

Concen: 2.253 ug/L

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX036503.D

Acq: 12 Jul 2023 11:41

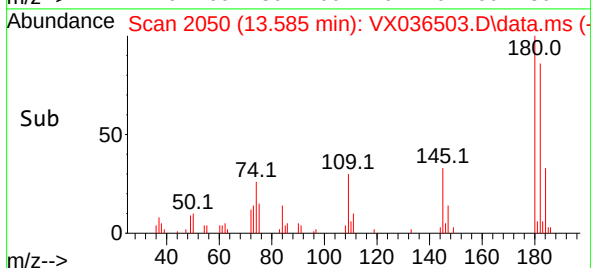
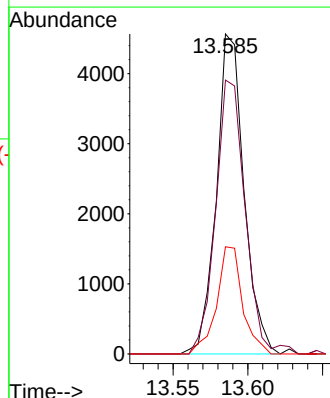
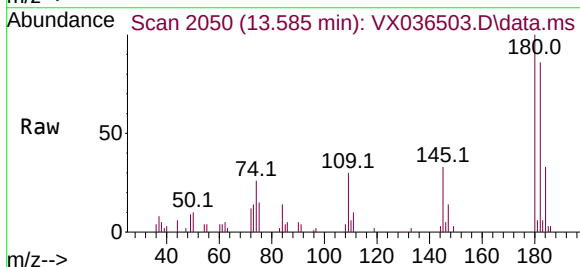
Tgt Ion:180 Resp: 5874

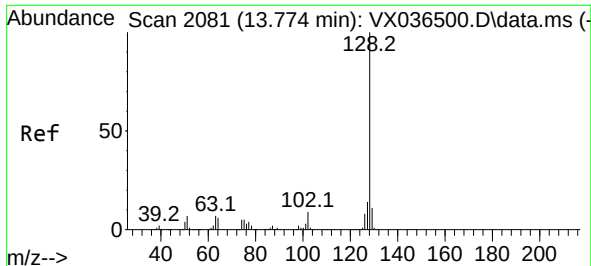
Ion Ratio Lower Upper

180 100

182 90.0 74.7 112.1

145 31.5 25.3 37.9

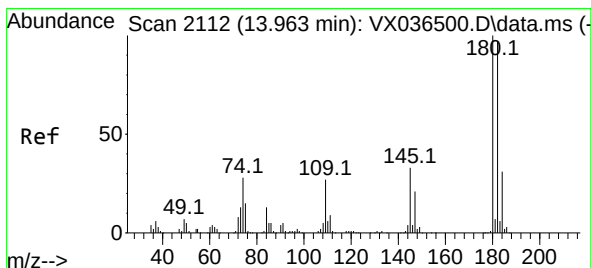
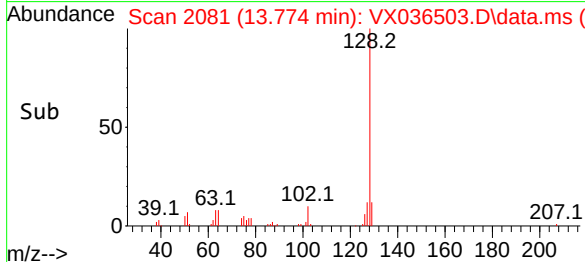
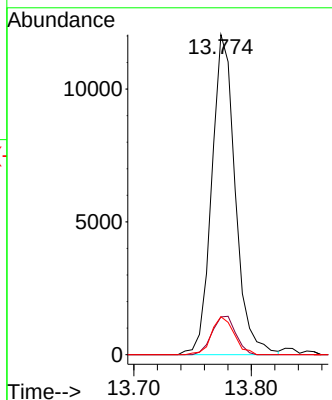
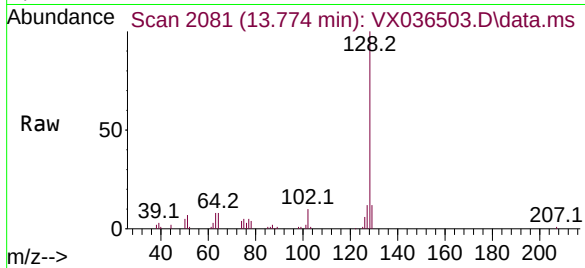




#71
Naphthalene
Concen: 1.886 ug/L
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX036503.D
Acq: 12 Jul 2023 11:41

Instrument :
MSVOA_X
ClientSampleId :
BFB631

Tgt Ion:	128	Resp:	16774
Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.6	16.0
129	11.4	8.6	13.0



#72
1,2,3-Trichlorobenzene
Concen: 2.336 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX036503.D
Acq: 12 Jul 2023 11:41

Tgt Ion:	180	Resp:	5933
Ion	Ratio	Lower	Upper
180	100		
182	91.5	78.6	117.8
145	35.3	27.5	41.3

