

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122821\
 Data File : VX026123.D
 Acq On : 29 Dec 2021 01:24
 Operator : JC/MD
 Sample : M5233-05 10X
 Misc : 8.48g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 29 04:37:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM122821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 29 04:20:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	201686	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	178162	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	79512	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	85608	54.688	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 109.380%			
7) Chloroethane-d5	1.666	69	59318	52.126	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.260%			
11) 1,1-Dichloroethene-d2	2.306	63	124270	43.491	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 86.980%			
21) 2-Butanone-d5	4.465	46	123934	114.576	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 114.580%			
24) Chloroform-d	5.062	84	145434	54.706	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 109.420%			
26) 1,2-Dichloroethane-d4	5.958	65	98630	57.234	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 114.460%			
32) Benzene-d6	5.983	84	293315	57.104	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 114.200%			
36) 1,2-Dichloropropane-d6	7.312	67	91844	57.800	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 115.600%			
41) Toluene-d8	8.653	98	263613	56.273	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 112.540%			
43) trans-1,3-Dichloroprop...	8.952	79	41519	53.527	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 107.060%			
47) 2-Hexanone-d5	9.391	63	82930	111.904	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 111.900%			
56) 1,1,2,2-Tetrachloroeth...	11.195	84	115773	54.744	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 109.480%			
66) 1,2-Dichlorobenzene-d4	12.323	152	88595	58.412	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 116.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	1155	0.594	ug/L	99
6) Bromomethane	1.618	94	1023	1.034	ug/L	88
10) 1,1,2-Trichloro-1,2,2-...	2.306	101	1907	1.443	ug/L #	55
12) 1,1-Dichloroethene	2.313	96	1659	1.349	ug/L #	1
14) Carbon disulfide	2.514	76	4388	1.137	ug/L	100
35) Methylcyclohexane	7.385	83	1149	0.538	ug/L #	76
42) Toluene	8.726	91	8972	1.601	ug/L	92
44) trans-1,3-Dichloropropene	8.958	75	2118	1.058	ug/L	87
51) Chlorobenzene	10.079	112	4921	1.425	ug/L	97
52) Ethylbenzene	10.195	91	4075	0.692	ug/L	88
53) m,p-Xylene	10.305	106	2105	0.936	ug/L	83
57) 1,1,2,2-Tetrachloroethane	11.219	83	1598	0.787	ug/L	92
63) 1,2,4-Trimethylbenzene	11.756	105	4357	0.973	ug/L	100
65) 1,4-Dichlorobenzene	12.042	146	3361	1.408	ug/L	94
67) 1,2-Dichlorobenzene	12.335	146	3006	1.296	ug/L #	84
70) 1,2,4-trichlorobenzene	13.591	180	1630	1.144	ug/L #	86
71) Naphthalene	13.780	128	4984	0.930	ug/L	96
72) 1,2,3-Trichlorobenzene	13.969	180	1323	0.915	ug/L	95

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Misc : 8.48g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Dec 29 04:37:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML122821WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 29 04:20:17 2021
Response via : Initial Calibration

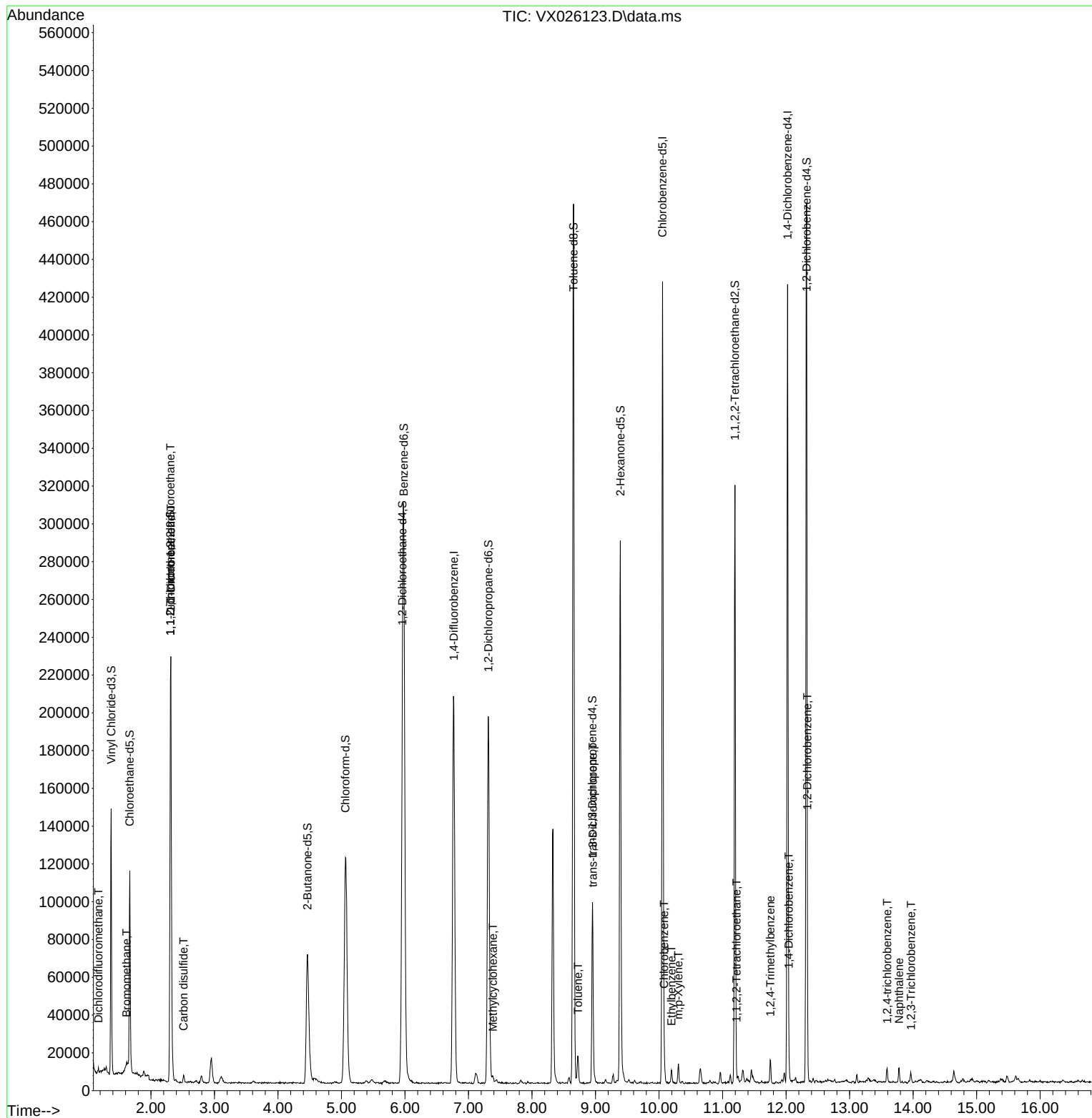
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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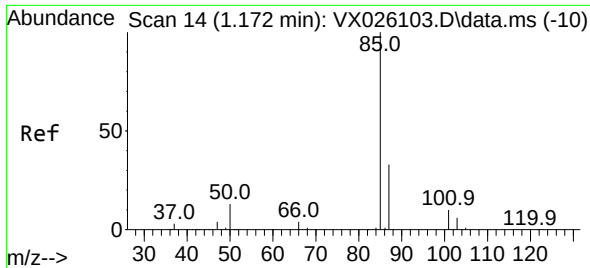
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

Quant Time: Dec 29 04:37:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM122821WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 29 04:20:17 2021
Response via : Initial Calibration

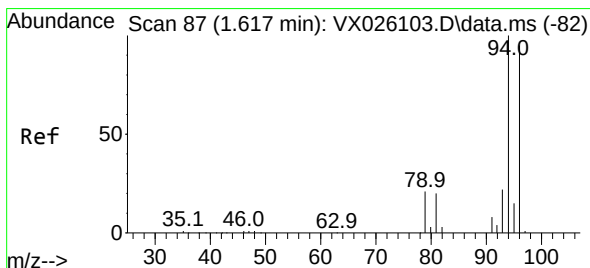
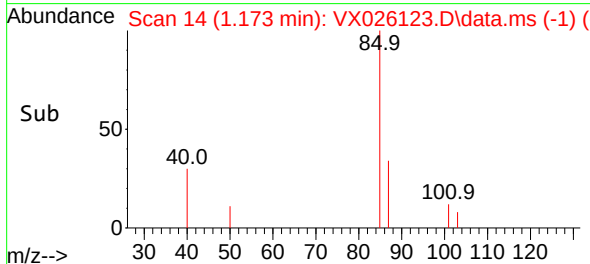
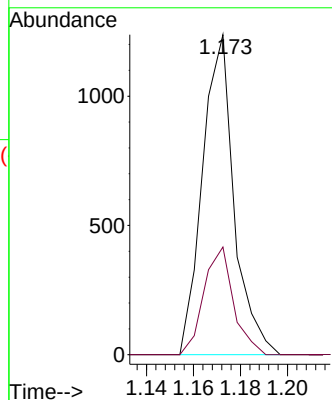
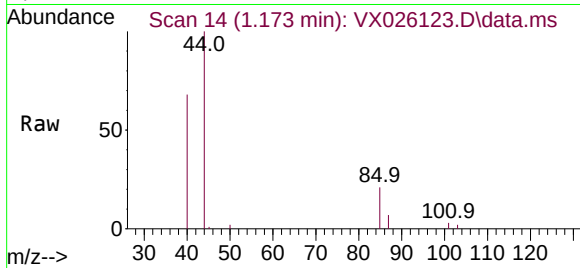




#2
 Dichlorodifluoromethane
 Concen: 0.594 ug/L
 RT: 1.173 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: VX026123.D
 Acq: 29 Dec 2021 01:24

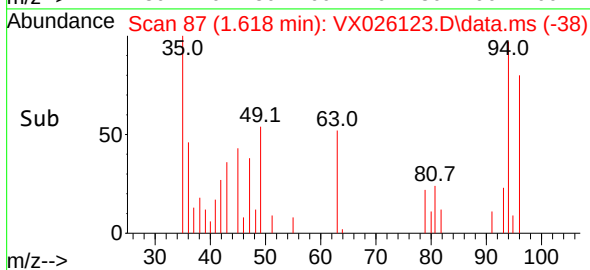
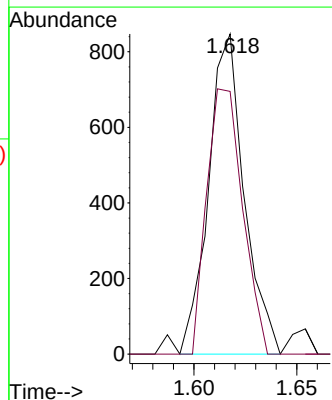
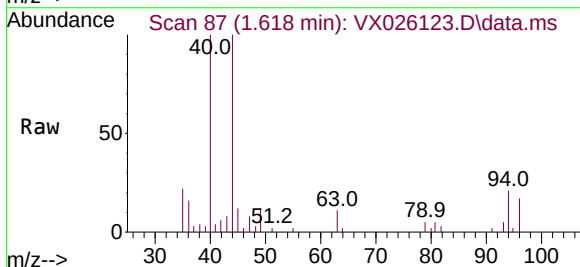
Instrument :
 MSVOA_X
 ClientSampleId :

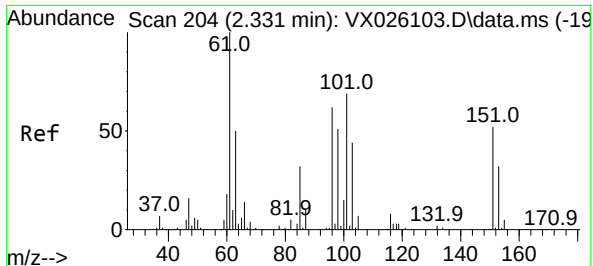
Tgt Ion: 85 Resp: 1155
 Ion Ratio Lower Upper
 85 100
 87 31.5 25.7 38.5



#6
 Bromomethane
 Concen: 1.034 ug/L
 RT: 1.618 min Scan# 87
 Delta R.T. 0.000 min
 Lab File: VX026123.D
 Acq: 29 Dec 2021 01:24

Tgt Ion: 94 Resp: 1023
 Ion Ratio Lower Upper
 94 100
 96 82.1 65.8 122.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.443 ug/L

RT: 2.306 min Scan# 20

Delta R.T. -0.024 min

Lab File: VX026123.D

Acq: 29 Dec 2021 01:24

Instrument :

MSVOA_X

ClientSampleId :

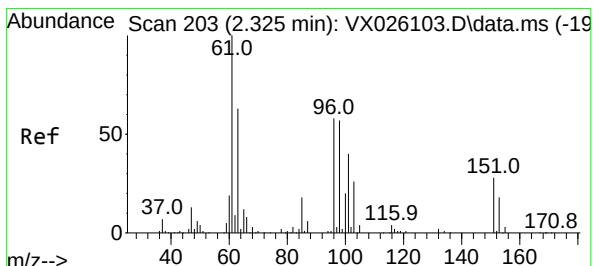
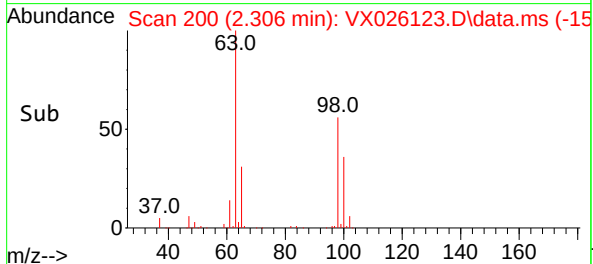
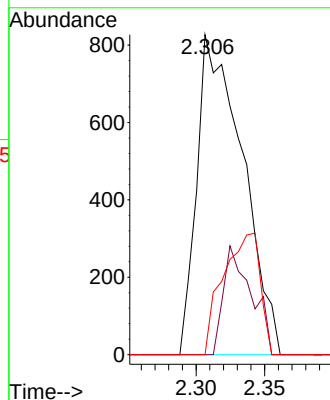
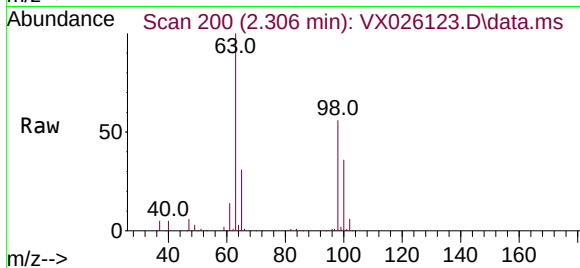
Tgt Ion:101 Resp: 1907

Ion Ratio Lower Upper

101 100

85 20.9 36.6 55.0#

151 30.9 58.5 87.7#



#12

1,1-Dichloroethene

Concen: 1.349 ug/L

RT: 2.313 min Scan# 201

Delta R.T. -0.012 min

Lab File: VX026123.D

Acq: 29 Dec 2021 01:24

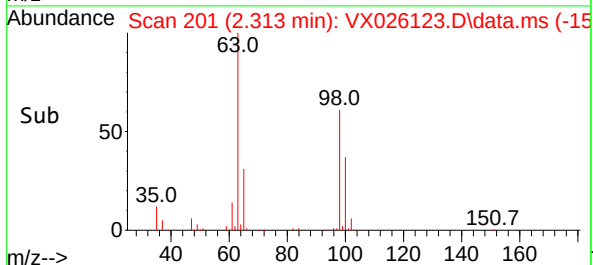
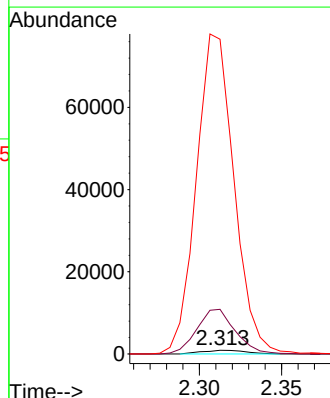
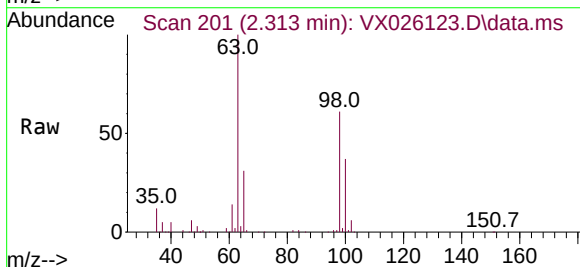
Tgt Ion: 96 Resp: 1659

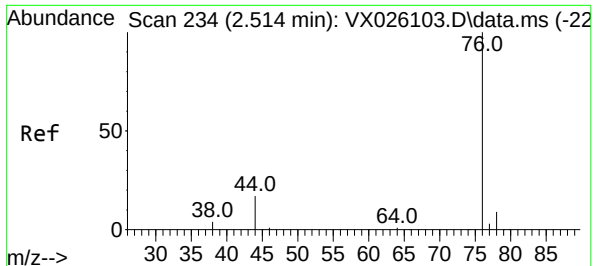
Ion Ratio Lower Upper

96 100

61 1195.0 121.6 225.8#

63 8432.6 86.7 161.1#

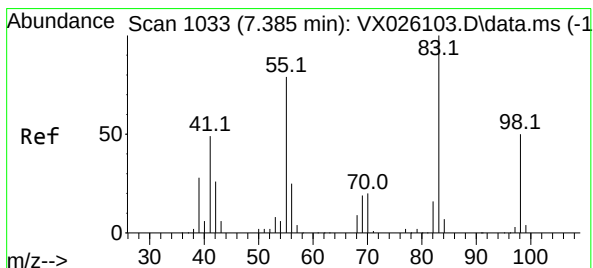
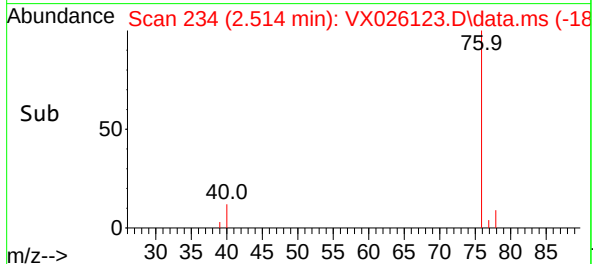
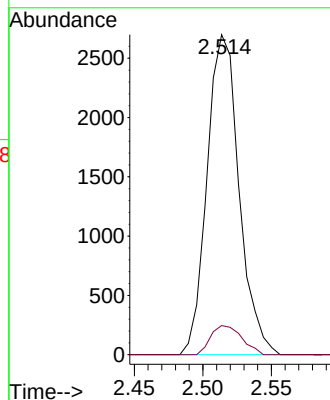
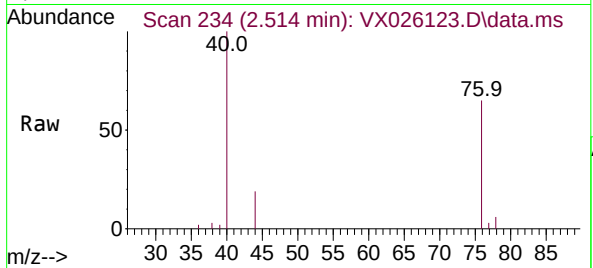




#14
Carbon disulfide
Concen: 1.137 ug/L
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX026123.D
Acq: 29 Dec 2021 01:24

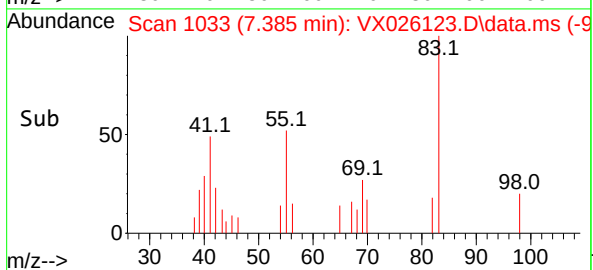
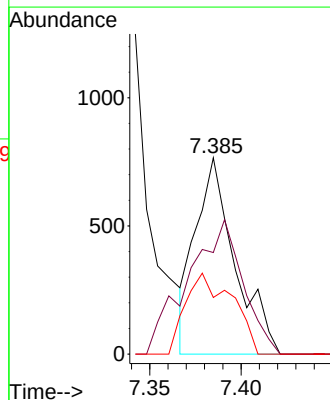
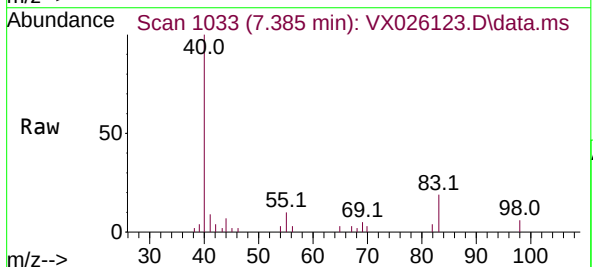
Instrument :
MSVOA_X
ClientSampleId :

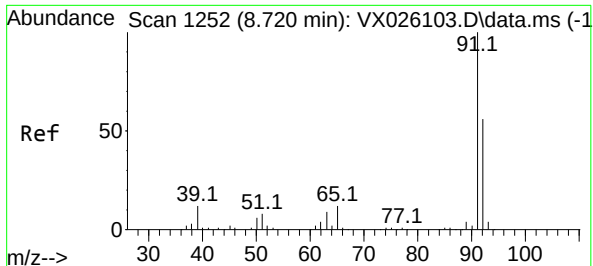
Tgt Ion: 76 Resp: 4388
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#35
Methylcyclohexane
Concen: 0.538 ug/L
RT: 7.385 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VX026123.D
Acq: 29 Dec 2021 01:24

Tgt Ion: 83 Resp: 1149
Ion Ratio Lower Upper
83 100
55 95.6 62.9 94.3#
98 29.7 40.6 61.0#





#42

Toluene

Concen: 1.601 ug/L

RT: 8.726 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX026123.D

Acq: 29 Dec 2021 01:24

Instrument :

MSVOA_X

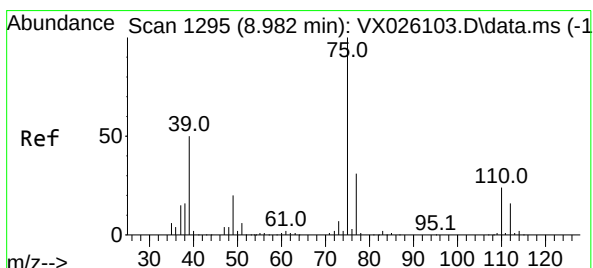
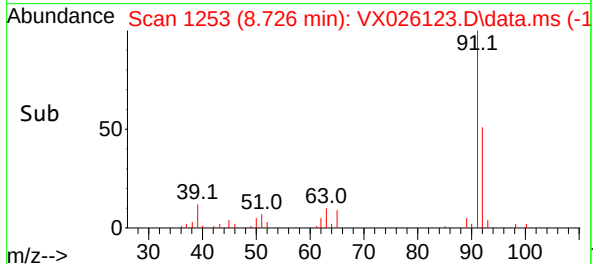
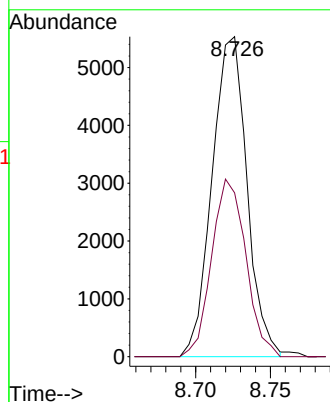
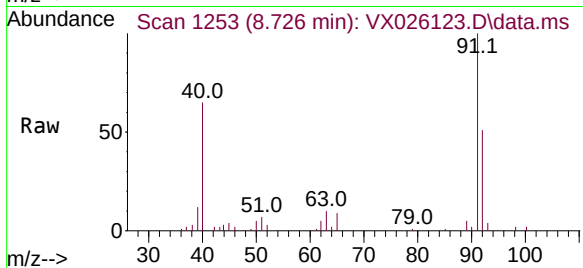
ClientSampleId :

Tgt Ion: 91 Resp: 8972

Ion Ratio Lower Upper

91 100

92 51.2 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 1.058 ug/L

RT: 8.958 min Scan# 1291

Delta R.T. -0.024 min

Lab File: VX026123.D

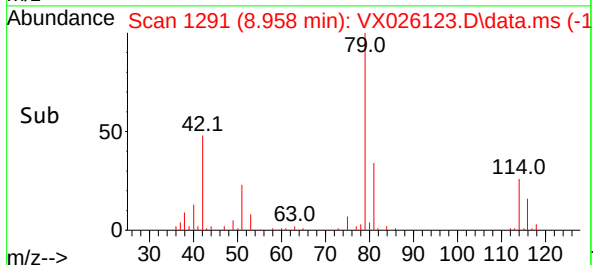
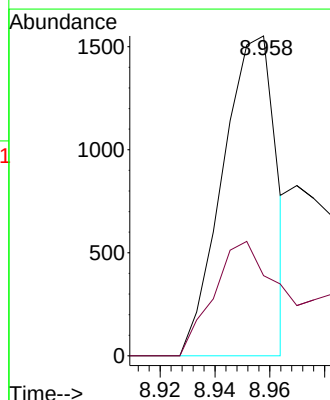
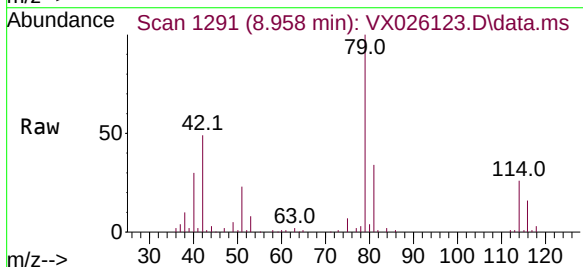
Acq: 29 Dec 2021 01:24

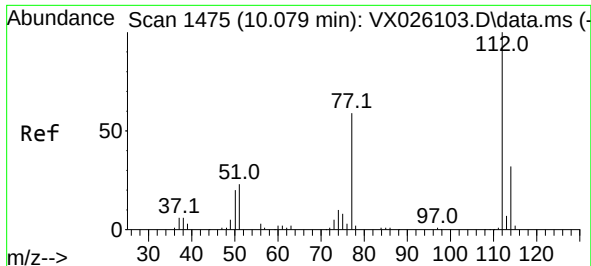
Tgt Ion: 75 Resp: 2118

Ion Ratio Lower Upper

75 100

77 25.1 22.5 41.7

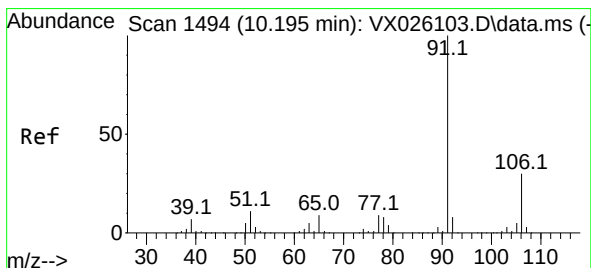
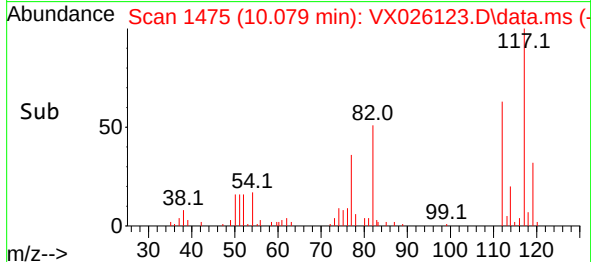
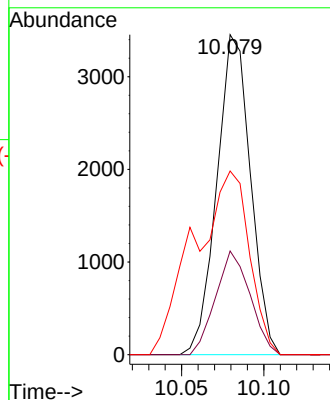
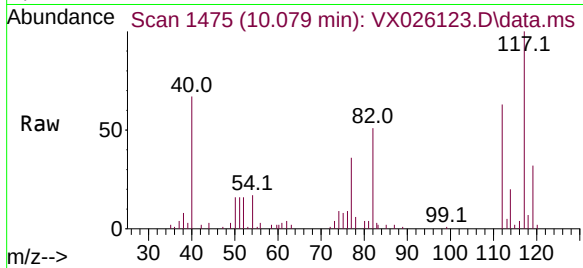




#51
Chlorobenzene
Concen: 1.425 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX026123.D
Acq: 29 Dec 2021 01:24

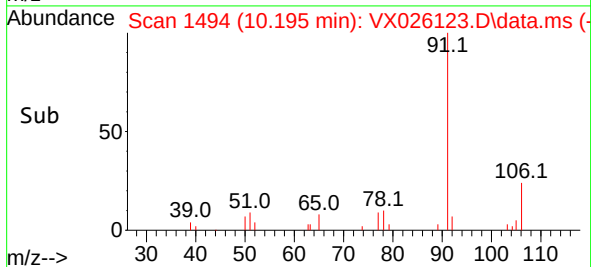
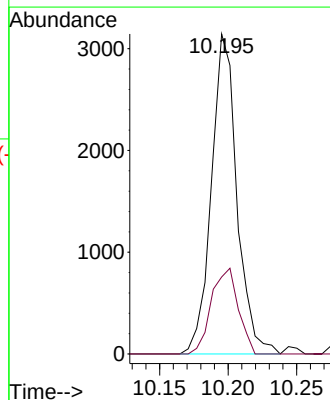
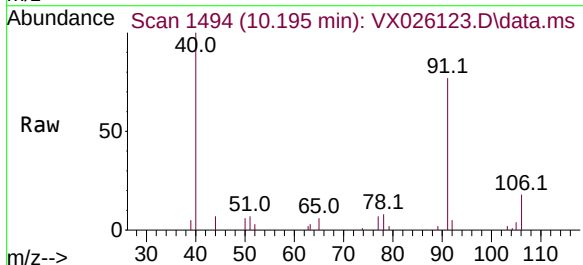
Instrument :
MSVOA_X
ClientSampleId :

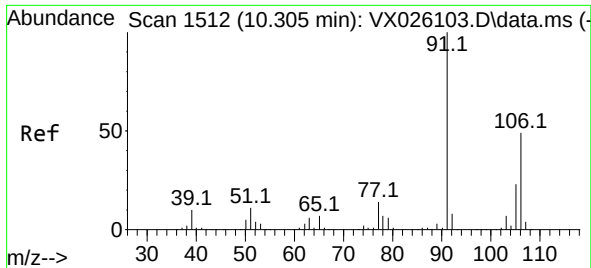
Tgt Ion:112 Resp: 4921
Ion Ratio Lower Upper
112 100
114 32.4 22.2 41.2
77 57.4 47.8 71.8



#52
Ethylbenzene
Concen: 0.692 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX026123.D
Acq: 29 Dec 2021 01:24

Tgt Ion: 91 Resp: 4075
Ion Ratio Lower Upper
91 100
106 24.0 21.5 39.9

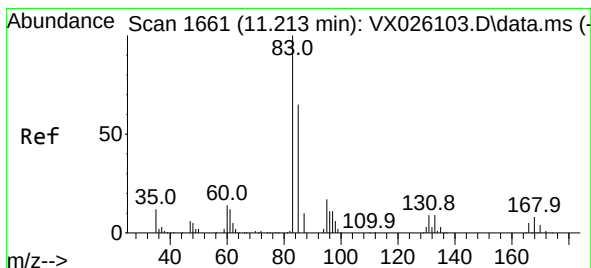
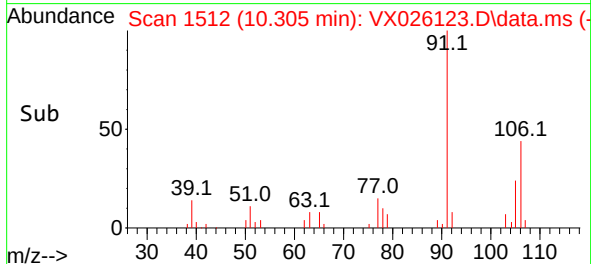
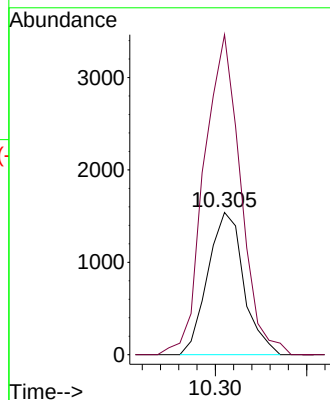
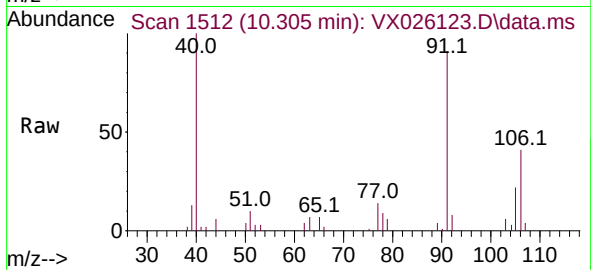




#53
m,p-Xylene
Concen: 0.936 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX026123.D
Acq: 29 Dec 2021 01:24

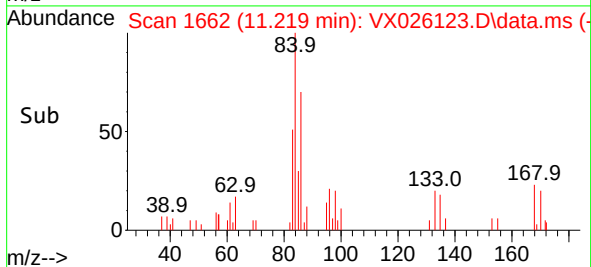
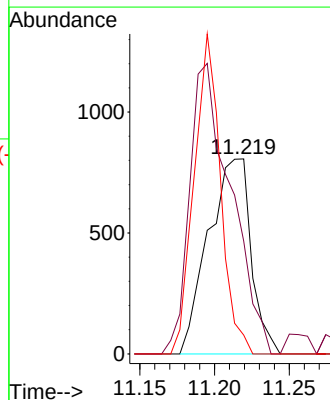
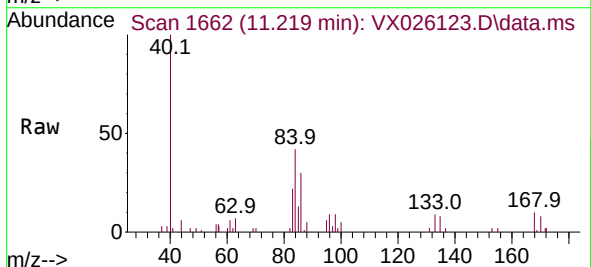
Instrument :
MSVOA_X
ClientSampleId :

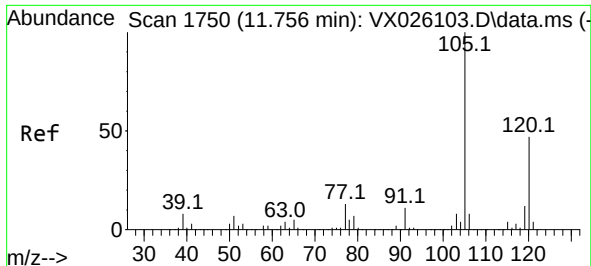
Tgt Ion:106 Resp: 2105
Ion Ratio Lower Upper
106 100
91 224.9 139.7 259.5



#57
1,1,2,2-Tetrachloroethane
Concen: 0.787 ug/L
RT: 11.219 min Scan# 1662
Delta R.T. 0.006 min
Lab File: VX026123.D
Acq: 29 Dec 2021 01:24

Tgt Ion: 83 Resp: 1598
Ion Ratio Lower Upper
83 100
85 57.8 45.5 84.5
131 9.7 7.9 11.9

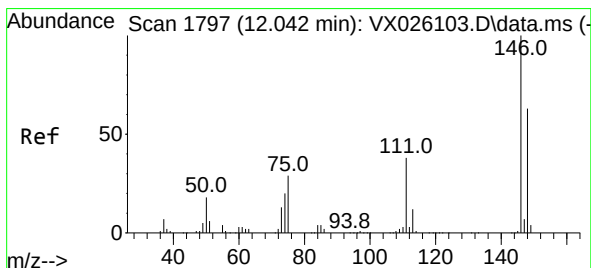
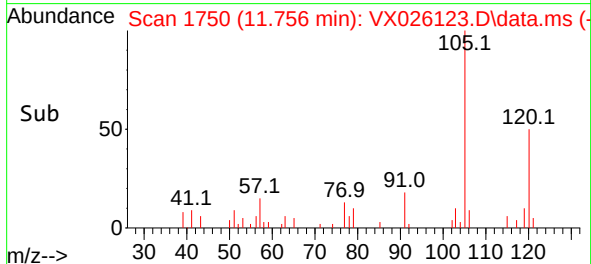
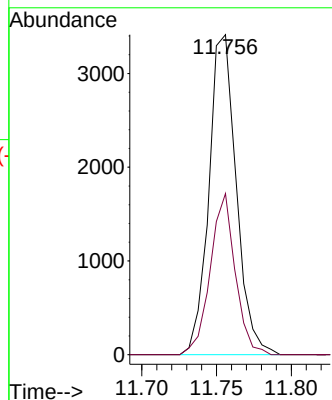
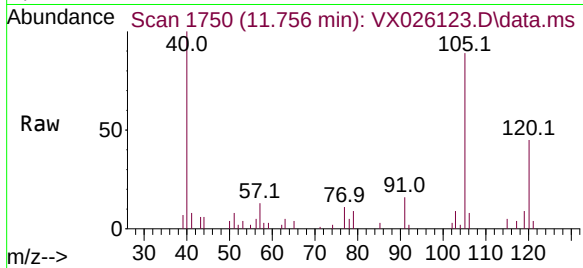




#63
1,2,4-Trimethylbenzene
Concen: 0.973 ug/L
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX026123.D
Acq: 29 Dec 2021 01:24

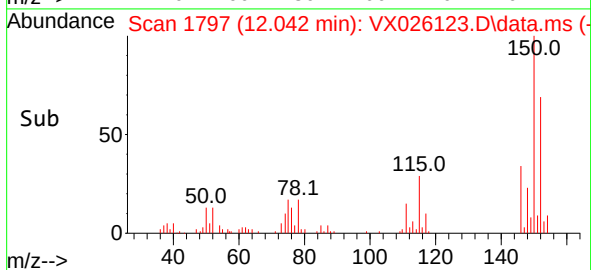
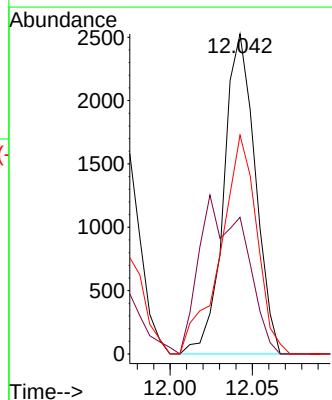
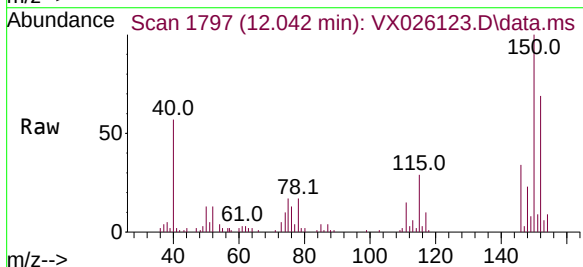
Instrument :
MSVOA_X
ClientSampleId :

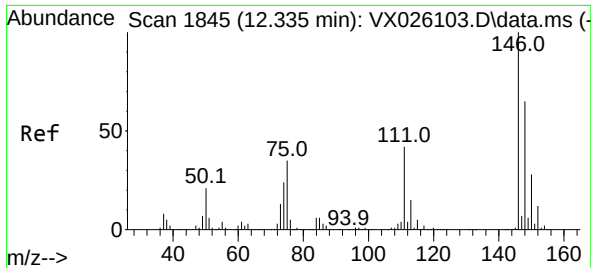
Tgt Ion:105 Resp: 4357
Ion Ratio Lower Upper
105 100
120 45.9 36.5 54.7



#65
1,4-Dichlorobenzene
Concen: 1.408 ug/L
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX026123.D
Acq: 29 Dec 2021 01:24

Tgt Ion:146 Resp: 3361
Ion Ratio Lower Upper
146 100
111 42.7 27.4 51.0
148 68.3 44.3 82.3

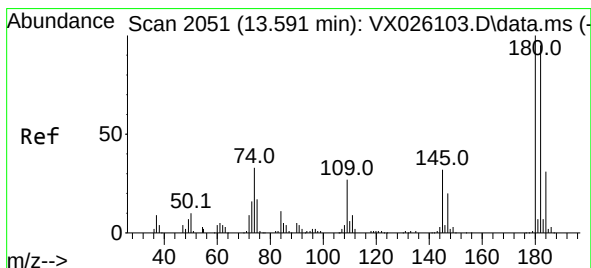
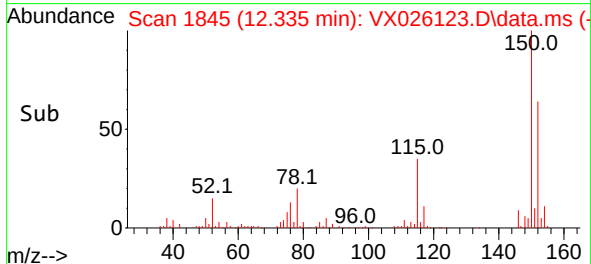
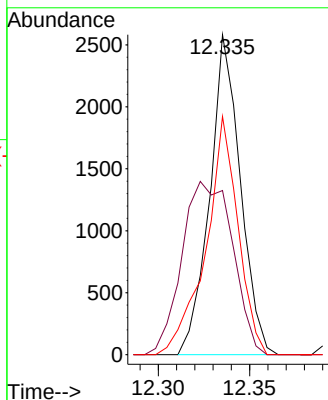
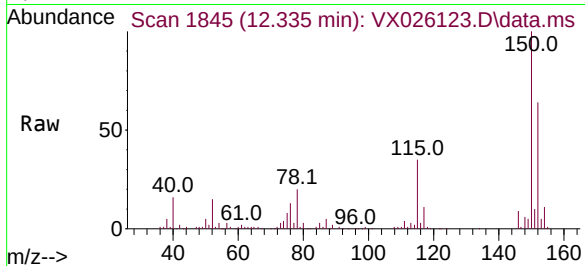




#67
1,2-Dichlorobenzene
Concen: 1.296 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX026123.D
Acq: 29 Dec 2021 01:24

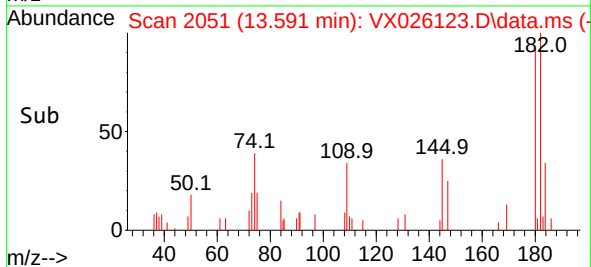
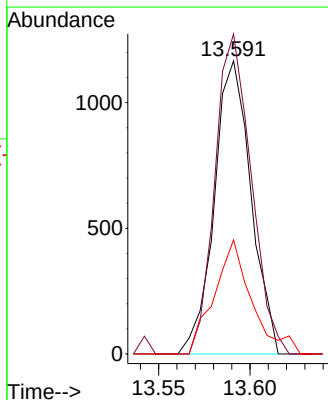
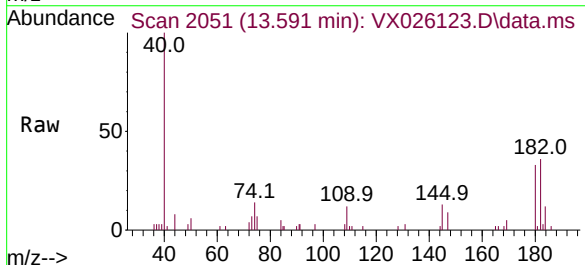
Instrument :
MSVOA_X
ClientSampleId :

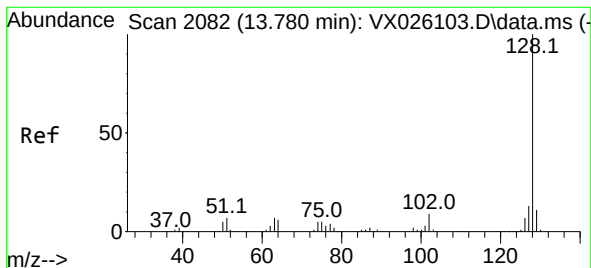
Tgt Ion:146 Resp: 3006
Ion Ratio Lower Upper
146 100
111 51.3 33.1 49.7#
148 74.5 49.6 74.4#



#70
1,2,4-trichlorobenzene
Concen: 1.144 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX026123.D
Acq: 29 Dec 2021 01:24

Tgt Ion:180 Resp: 1630
Ion Ratio Lower Upper
180 100
182 107.4 74.8 112.2
145 38.2 24.9 37.3#





#71

Naphthalene

Concen: 0.930 ug/L

RT: 13.780 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VX026123.D

Acq: 29 Dec 2021 01:24

Instrument :

MSVOA_X

ClientSampleId :

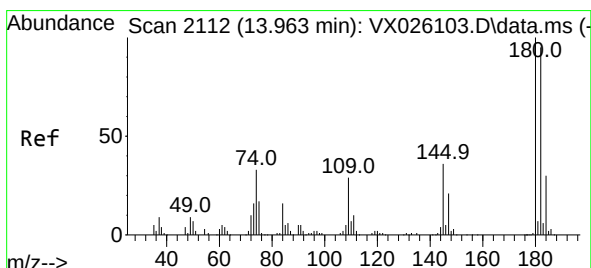
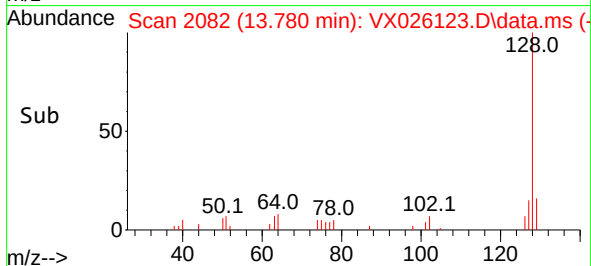
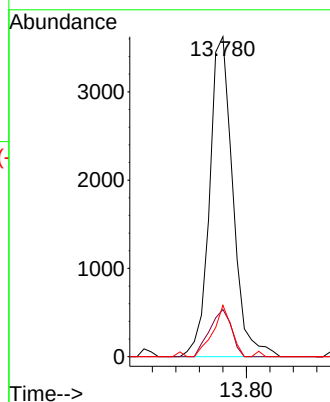
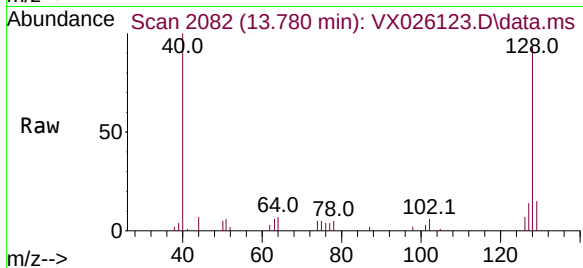
Tgt Ion:128 Resp: 4984

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

129 12.7 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 0.915 ug/L

RT: 13.969 min Scan# 2113

Delta R.T. 0.006 min

Lab File: VX026123.D

Acq: 29 Dec 2021 01:24

Tgt Ion:180 Resp: 1323

Ion Ratio Lower Upper

180 100

182 92.8 76.6 115.0

145 39.5 26.6 39.8

