

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041923\
 Data File : VX035173.D
 Acq On : 19 Apr 2023 16:38
 Operator : JC/MD
 Sample : 02397-15RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 20 02:57:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 20 02:36:32 2023
 Response via : Initial Calibration

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

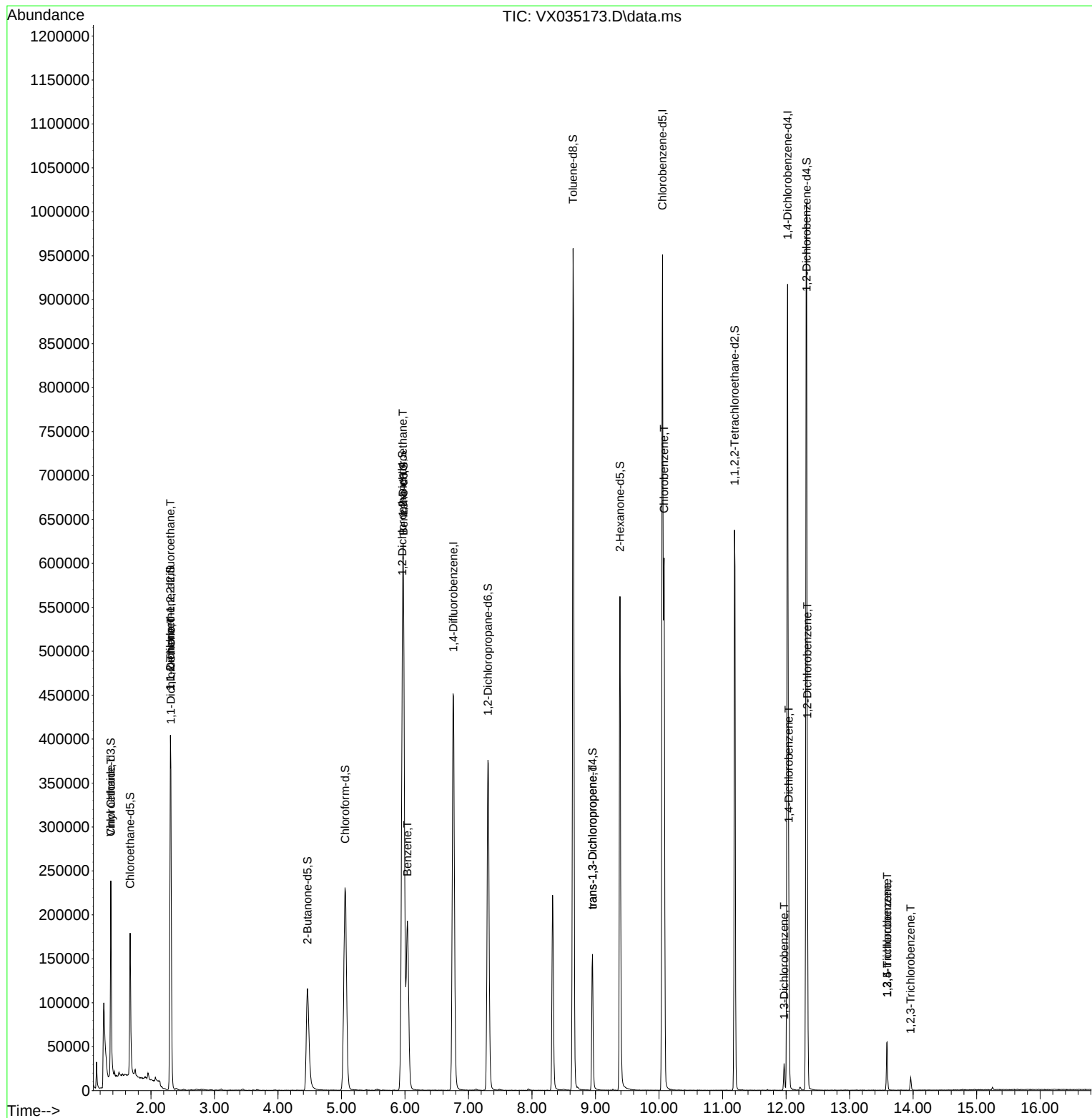
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	473500	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	414411	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	190492	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	140153	45.905	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.800%
7) Chloroethane-d5	1.672	69	112490	50.989	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.980%
11) 1,1-Dichloroethene-d2	2.306	65	71450	48.909	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.820%
21) 2-Butanone-d5	4.465	46	224613	110.397	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.400%
24) Chloroform-d	5.056	84	296658	51.596	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.200%
26) 1,2-Dichloroethane-d4	5.958	65	197292	53.434	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.860%
32) Benzene-d6	5.976	84	628336	52.782	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.560%
36) 1,2-Dichloropropane-d6	7.305	67	196618	54.070	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.140%
41) Toluene-d8	8.647	98	559462	51.422	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.840%
43) trans-1,3-Dichloroprop...	8.951	79	73918	46.514	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.020%
47) 2-Hexanone-d5	9.384	63	161862	110.844	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.840%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	247874	55.660	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.320%
66) 1,2-Dichlorobenzene-d4	12.323	152	202893	54.962	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.920%
Target Compounds						Qvalue
8) Chloroethane	1.367	64	2767	1.480	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.306	101	2306	0.744	ug/L #	19
12) 1,1-Dichloroethene	2.312	96	1741	0.615	ug/L #	1
27) 1,2-Dichloroethane	5.964	62	3825	0.839	ug/L	96
33) Benzene	6.037	78	235078	18.731	ug/L	100
44) trans-1,3-Dichloropropene	8.951	75	3320	0.746	ug/L	94
51) Chlorobenzene	10.079	112	260968	30.422	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	9513	1.610	ug/L	99
65) 1,4-Dichlorobenzene	12.042	146	66662	11.028	ug/L	96
67) 1,2-Dichlorobenzene	12.335	146	65504	10.936	ug/L	98
69) 1,3,5-Trichlorobenzene	13.591	180	13176	3.608	ug/L	96
70) 1,2,4-trichlorobenzene	13.591	180	13176	3.853	ug/L	97
72) 1,2,3-Trichlorobenzene	13.963	180	3629	1.075	ug/L	99

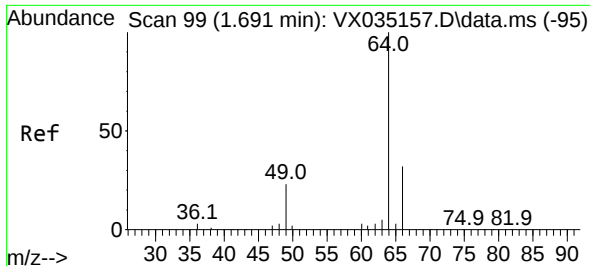
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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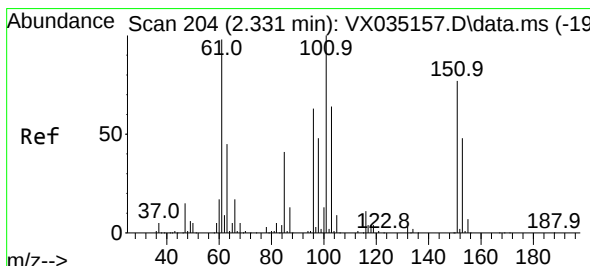
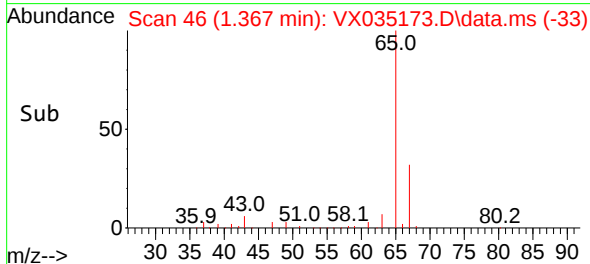
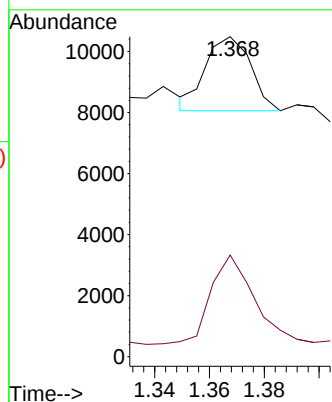
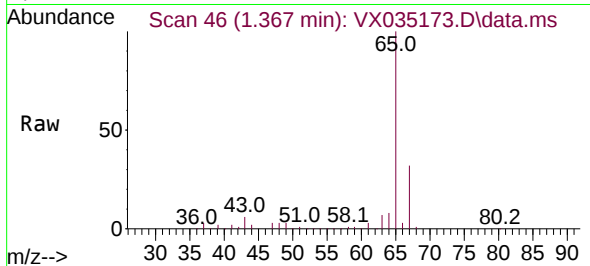




#8
Chloroethane
Concen: 1.480 ug/L
RT: 1.367 min Scan# 41
Delta R.T. -0.323 min
Lab File: VX035173.D
Acq: 19 Apr 2023 16:38

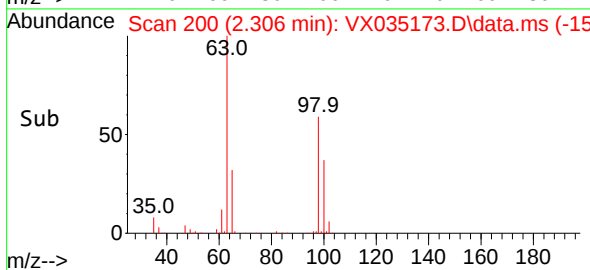
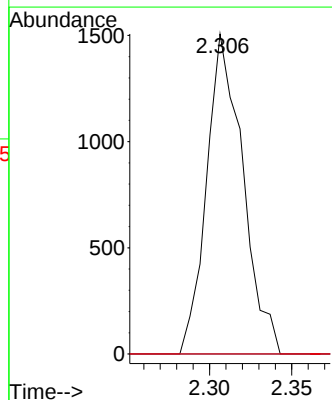
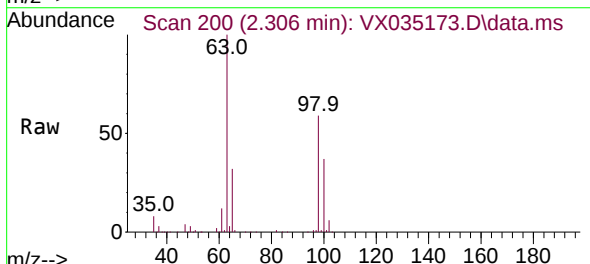
Instrument :
MSVOA_X
ClientSampleId :

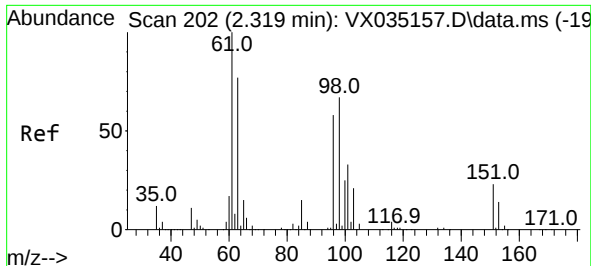
Tgt Ion: 64 Resp: 2767
Ion Ratio Lower Upper
64 100
66 31.7 21.9 40.7



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.744 ug/L
RT: 2.306 min Scan# 200
Delta R.T. -0.025 min
Lab File: VX035173.D
Acq: 19 Apr 2023 16:38

Tgt Ion: 101 Resp: 2306
Ion Ratio Lower Upper
101 100
85 0.0 34.2 51.2#
151 0.0 61.1 91.7#





#12

1,1-Dichloroethene

Concen: 0.615 ug/L

RT: 2.312 min Scan# 20

Delta R.T. -0.006 min

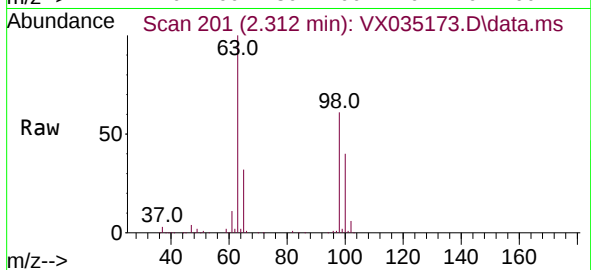
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Acq: 19 Apr 2023 16:38

Instrument :

MSVOA_X

ClientSampleId :



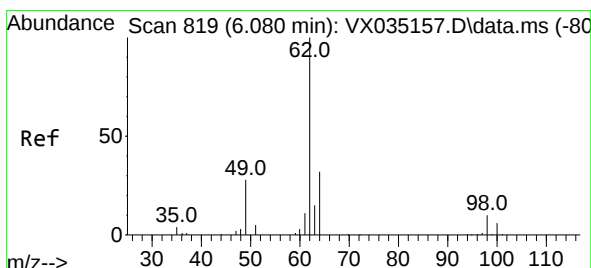
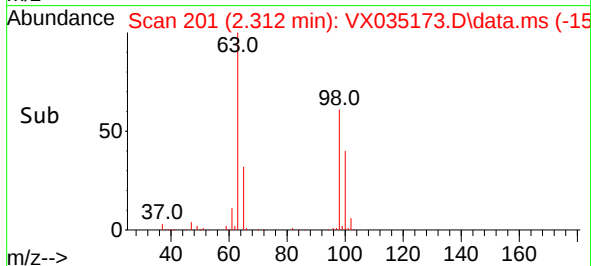
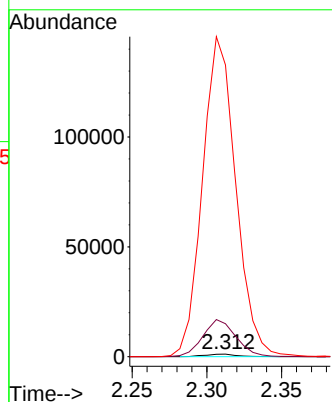
Tgt Ion: 96 Resp: 1741

Ion Ratio Lower Upper

96 100

61 1287.5 119.0 221.0#

63 11379.6 91.0 169.0#



#27

1,2-Dichloroethane

Concen: 0.839 ug/L

RT: 5.964 min Scan# 800

Delta R.T. -0.116 min

Lab File: VX035173.D

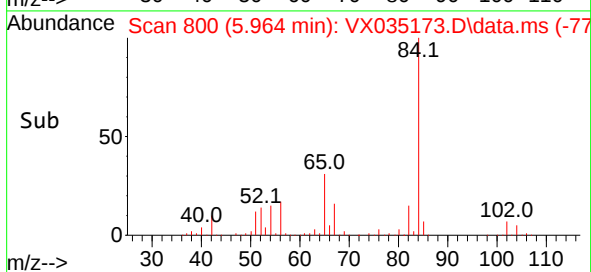
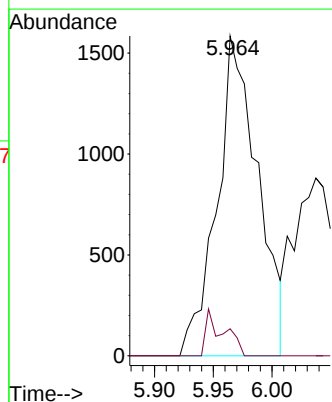
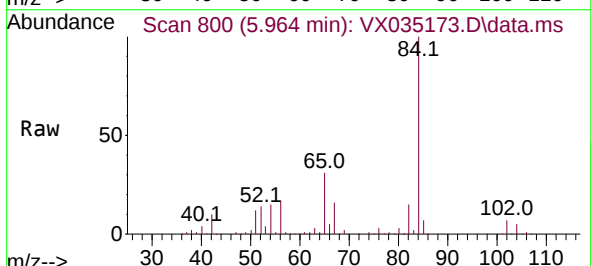
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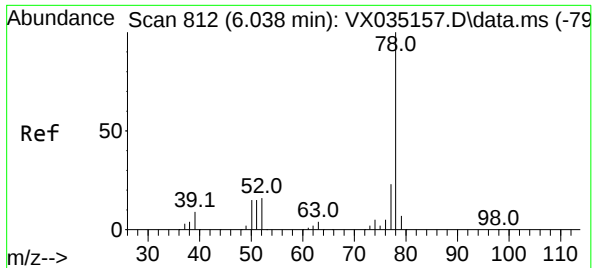
Tgt Ion: 62 Resp: 3825

Ion Ratio Lower Upper

62 100

98 8.5 7.8 11.8

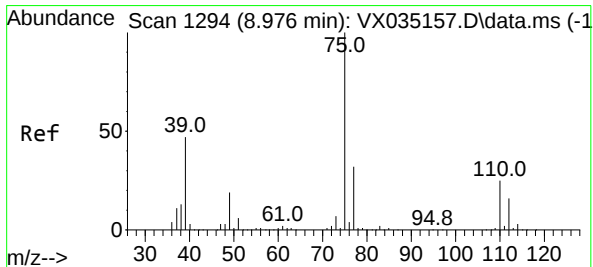
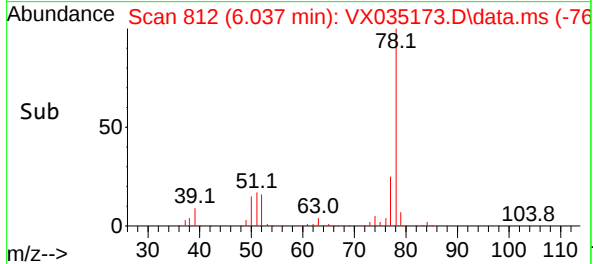
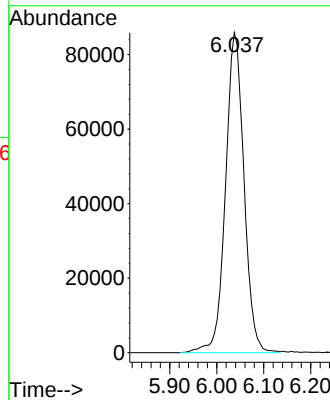
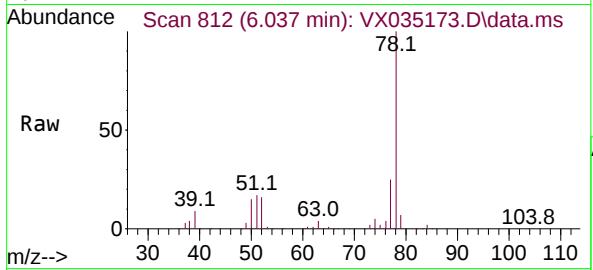




#33
Benzene
Concen: 18.731 ug/L
RT: 6.037 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX035173.D
Acq: 19 Apr 2023 16:38

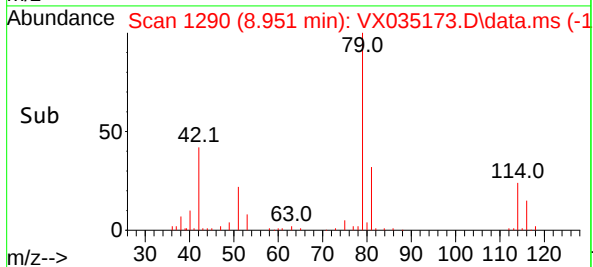
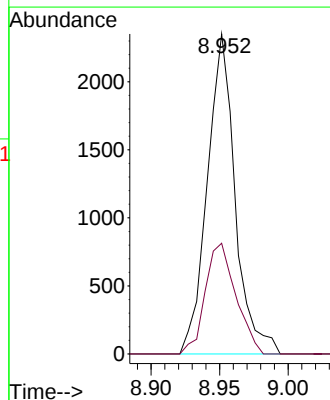
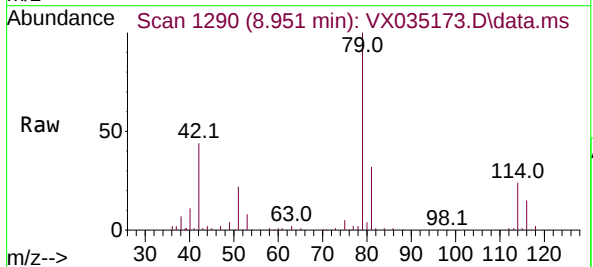
Instrument :
MSVOA_X
ClientSampleId :

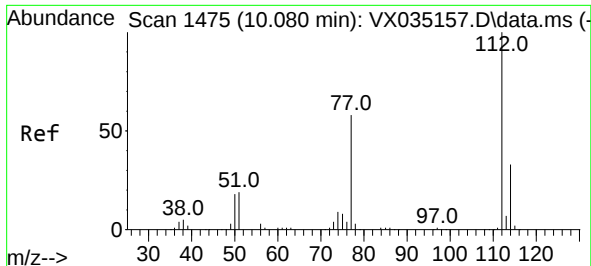
Tgt Ion: 78 Resp: 235078



#44
trans-1,3-Dichloropropene
Concen: 0.746 ug/L
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX035173.D
Acq: 19 Apr 2023 16:38

Tgt Ion: 75 Resp: 3320
Ion Ratio Lower Upper
75 100
77 34.6 22.0 40.8

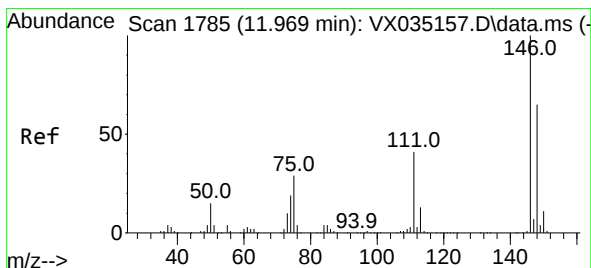
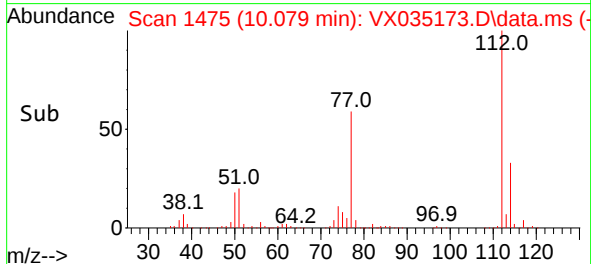
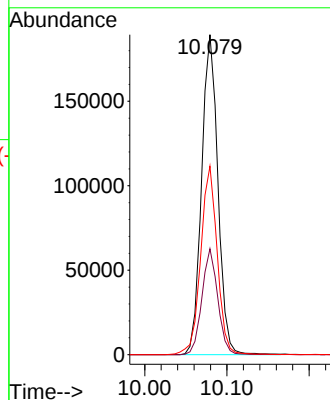
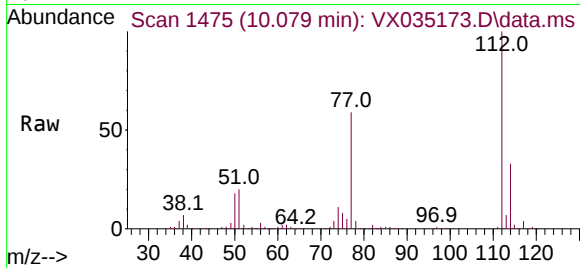




#51
Chlorobenzene
Concen: 30.422 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX035173.D
Acq: 19 Apr 2023 16:38

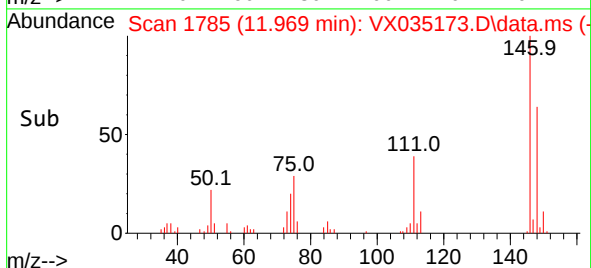
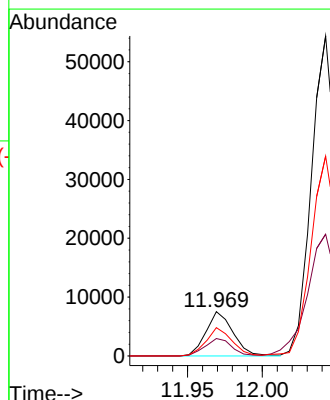
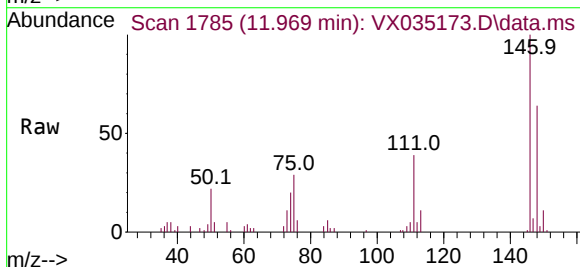
Instrument :
MSVOA_X
ClientSampleId :

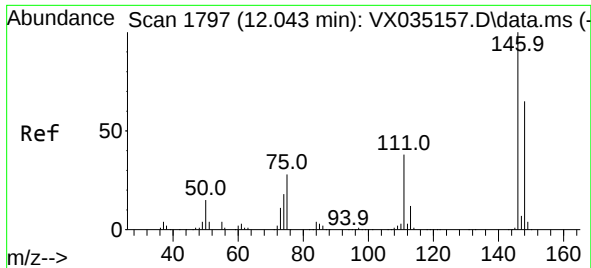
Tgt Ion:112 Resp: 260968
Ion Ratio Lower Upper
112 100
114 33.1 22.4 41.6
77 58.9 47.0 70.6



#64
1,3-Dichlorobenzene
Concen: 1.610 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX035173.D
Acq: 19 Apr 2023 16:38

Tgt Ion:146 Resp: 9513
Ion Ratio Lower Upper
146 100
111 39.5 28.9 53.7
148 63.7 44.3 82.3

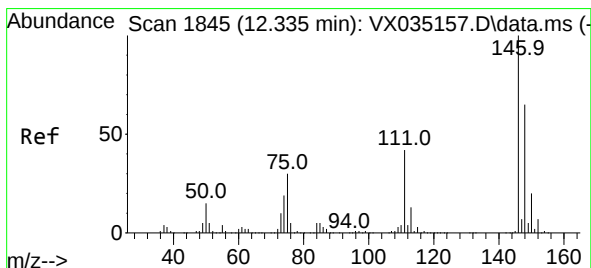
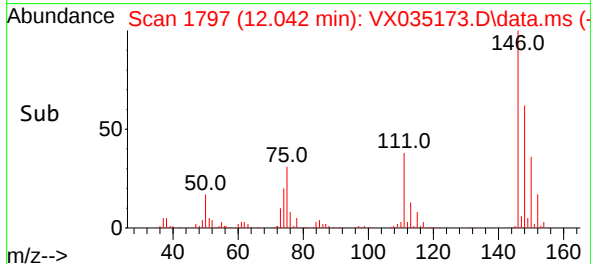
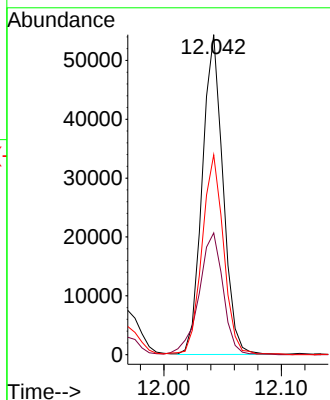
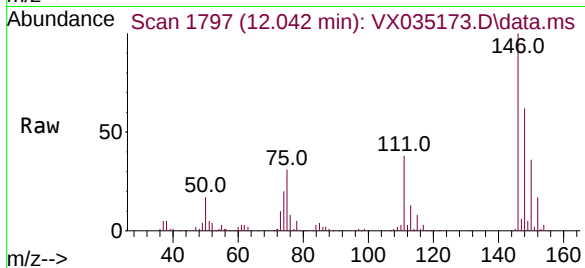




#65
1,4-Dichlorobenzene
Concen: 11.028 ug/L
RT: 12.042 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035173.D
Acq: 19 Apr 2023 16:38

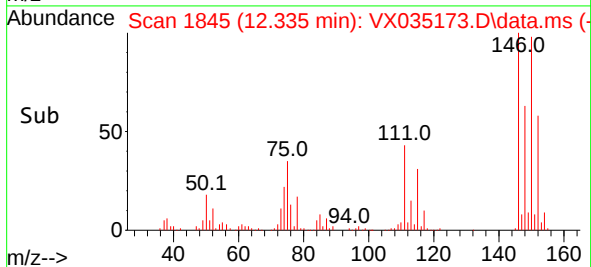
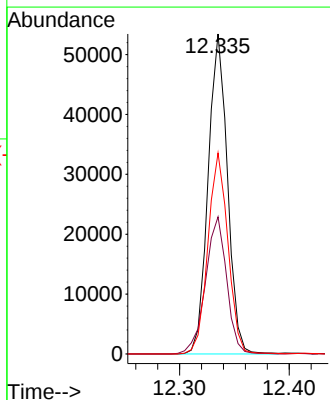
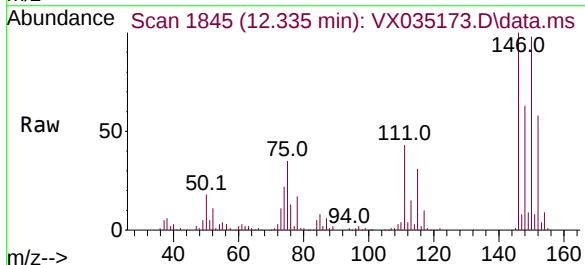
Instrument :
MSVOA_X
ClientSampleId :

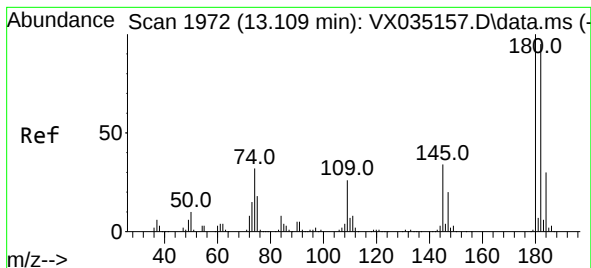
Tgt Ion:146 Resp: 66662
Ion Ratio Lower Upper
146 100
111 38.1 27.9 51.7
148 62.4 45.9 85.3



#67
1,2-Dichlorobenzene
Concen: 10.936 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX035173.D
Acq: 19 Apr 2023 16:38

Tgt Ion:146 Resp: 65504
Ion Ratio Lower Upper
146 100
111 42.9 34.7 52.1
148 62.8 52.1 78.1





#69

1,3,5-Trichlorobenzene

Concen: 3.608 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.481 min

Lab File: VX035173.D

Acq: 19 Apr 2023 16:38

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180 Resp: 13176

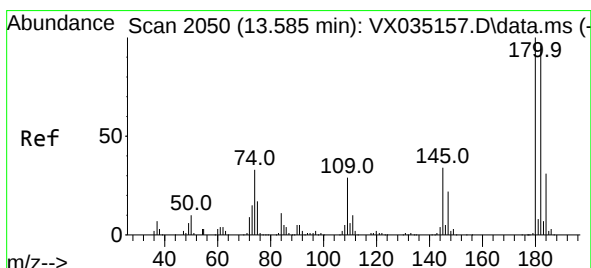
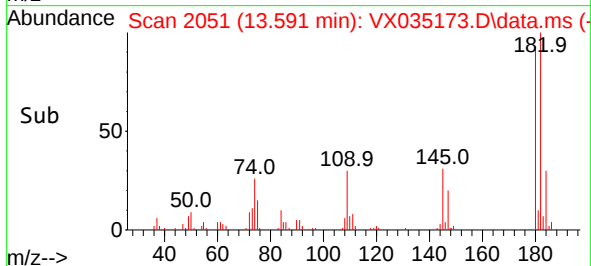
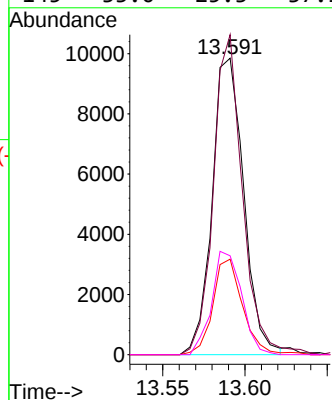
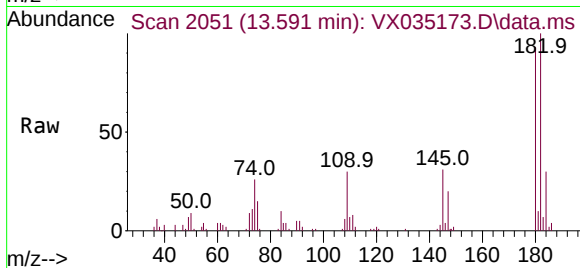
Ion Ratio Lower Upper

180 100

182 99.3 75.4 113.0

184 30.2 23.8 35.8

145 33.0 25.3 37.9



#70

1,2,4-trichlorobenzene

Concen: 3.853 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX035173.D

Acq: 19 Apr 2023 16:38

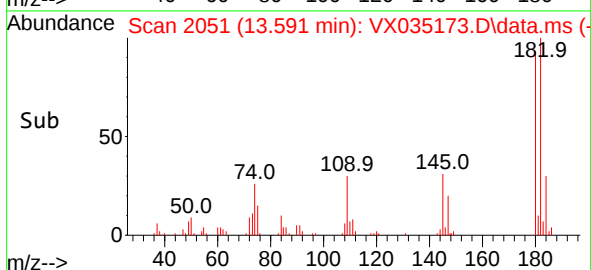
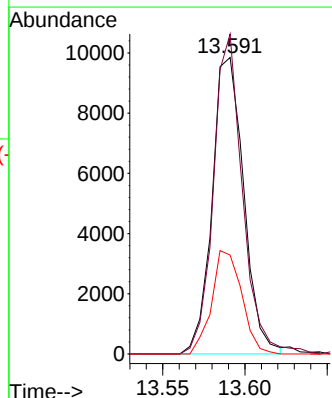
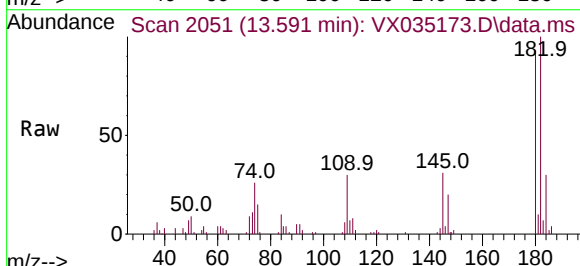
Tgt Ion:180 Resp: 13176

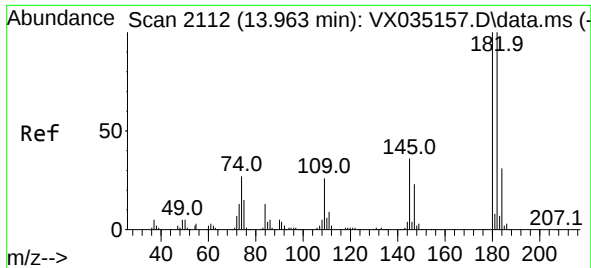
Ion Ratio Lower Upper

180 100

182 99.3 76.6 114.8

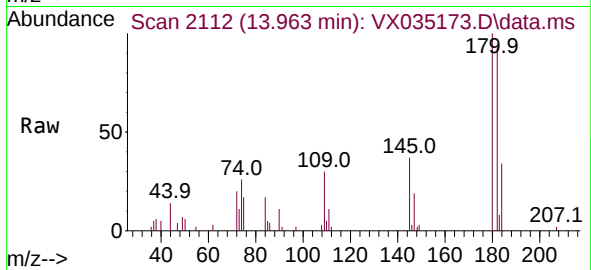
145 33.0 26.2 39.4





#72
 1,2,3-Trichlorobenzene
 Concen: 1.075 ug/L
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX035173.D
 Acq: 19 Apr 2023 16:38

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180 Resp: 3629
 Ion Ratio Lower Upper
 180 100
 182 93.1 75.0 112.6
 145 34.8 27.1 40.7

