

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041923\
 Data File : VX035171.D
 Acq On : 19 Apr 2023 15:52
 Operator : JC/MD
 Sample : 02397-12RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 20 02:56:42 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	486317	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	419325	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	197377	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.367	65	140446	44.788	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.580%
7) Chloroethane-d5	1.672	69	113461	50.074	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.140%
11) 1,1-Dichloroethene-d2	2.306	65	71844	47.883	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.760%
21) 2-Butanone-d5	4.464	46	228618	109.404	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.400%
24) Chloroform-d	5.056	84	295878	50.104	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.200%
26) 1,2-Dichloroethane-d4	5.958	65	197946	52.198	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.400%
32) Benzene-d6	5.970	84	639107	53.057	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.120%
36) 1,2-Dichloropropane-d6	7.305	67	197734	53.739	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.480%
41) Toluene-d8	8.647	98	570814	51.851	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.700%
43) trans-1,3-Dichloroprop...	8.951	79	75861	47.177	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.360%
47) 2-Hexanone-d5	9.384	63	162946	110.278	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.280%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	243112	53.951	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.900%
66) 1,2-Dichlorobenzene-d4	12.323	152	204247	53.399	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.800%

Target Compounds

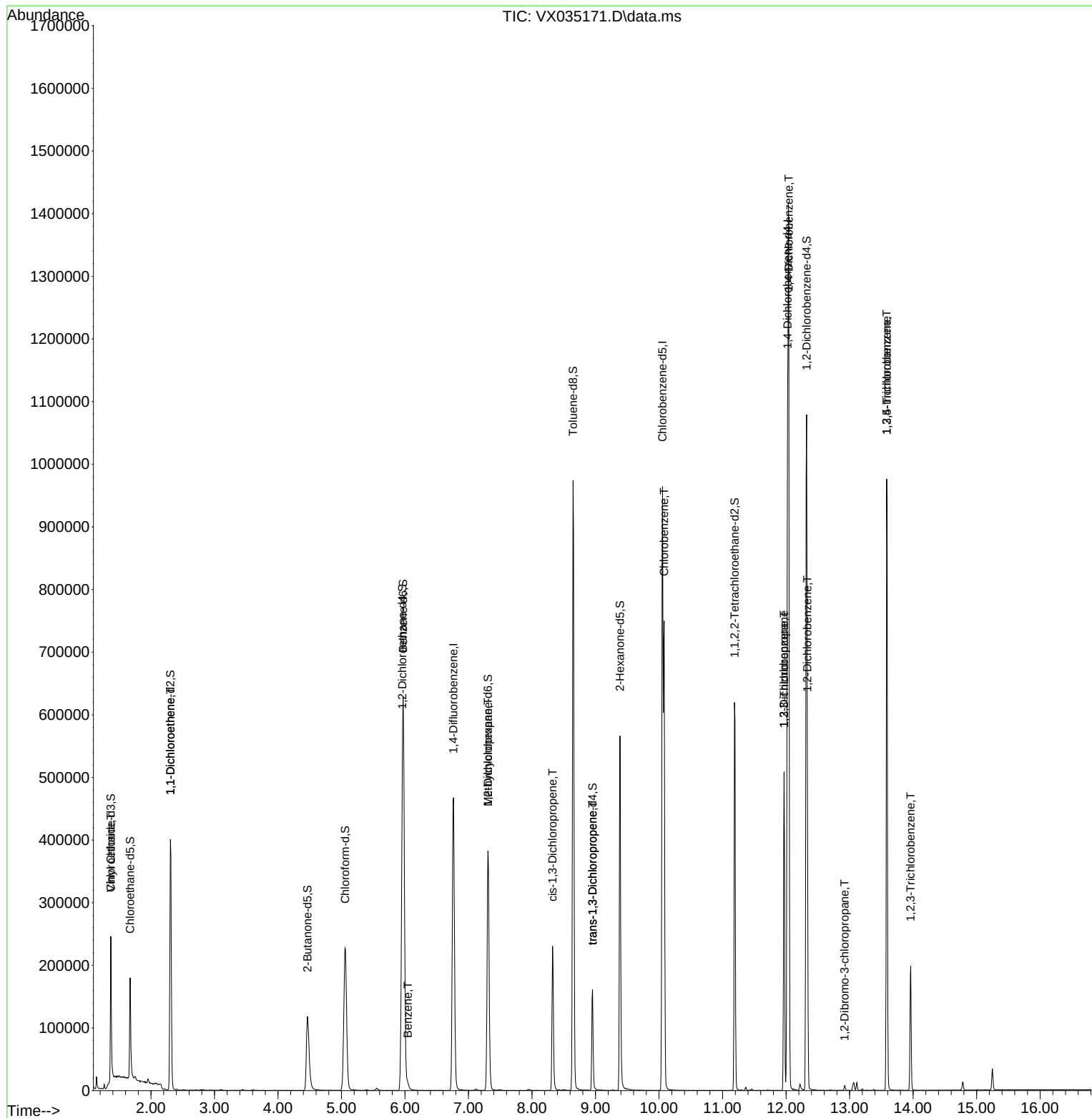
						Qvalue
8) Chloroethane	1.367	64	37445	19.505	ug/L	94
12) 1,1-Dichloroethene	2.306	96	1813	0.624	ug/L #	1
33) Benzene	6.043	78	11298	0.890	ug/L	100
35) Methylcyclohexane	7.305	83	48563	10.675	ug/L #	19
39) cis-1,3-Dichloropropene	8.324	75	5157	1.032	ug/L #	63
44) trans-1,3-Dichloropropene	8.951	75	3466	0.769	ug/L	91
51) Chlorobenzene	10.079	112	321601	37.051	ug/L	99
61) 1,2,3-Trichloropropane	11.969	75	48663	13.354	ug/L #	49
64) 1,3-Dichlorobenzene	11.969	146	158568	25.905	ug/L	99
65) 1,4-Dichlorobenzene	12.042	146	430550	68.740	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	123361	19.876	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.920	75	1276	1.419	ug/L #	1
69) 1,3,5-Trichlorobenzene	13.585	180	226776	59.928	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	226776	64.001	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	48238	13.790	ug/L	98

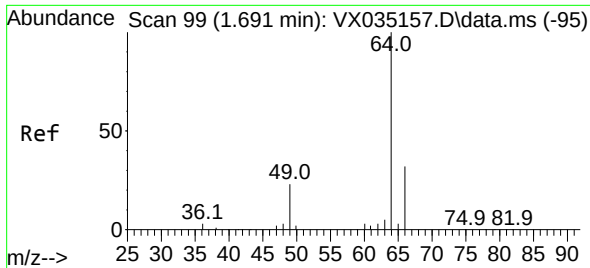
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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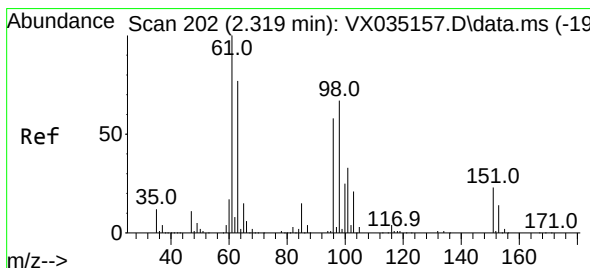
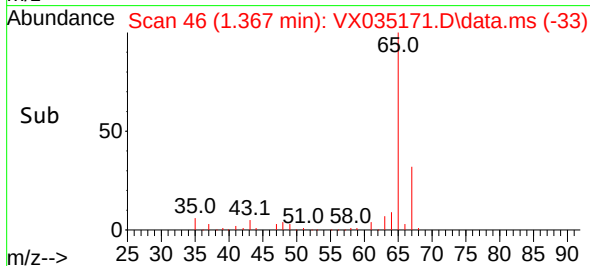
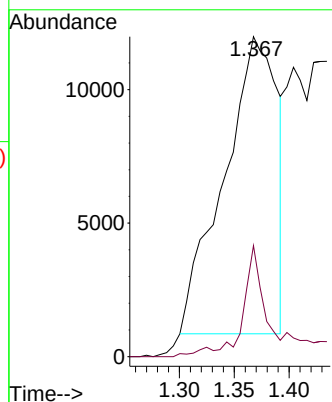
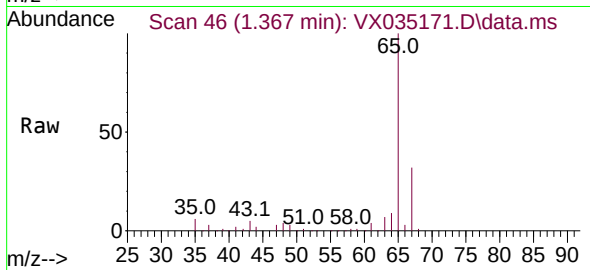




#8
Chloroethane
Concen: 19.505 ug/L
RT: 1.367 min Scan# 40
Delta R.T. -0.323 min
Lab File: VX035171.D
Acq: 19 Apr 2023 15:52

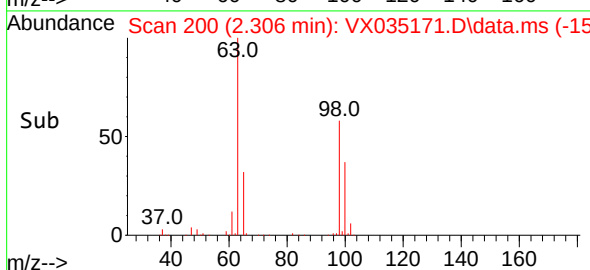
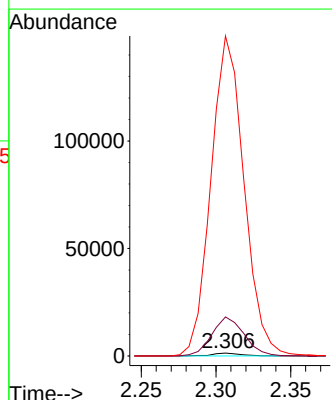
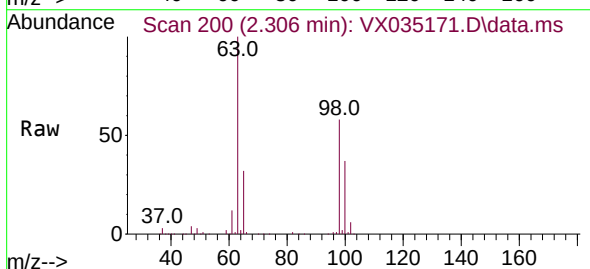
Instrument :
MSVOA_X
ClientSampleId :

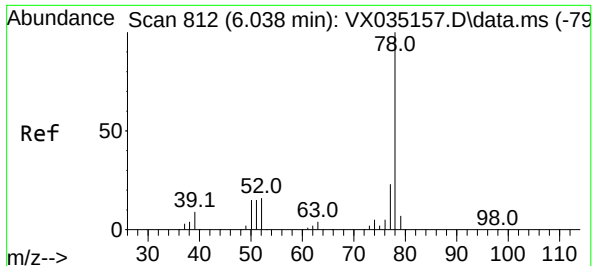
Tgt Ion: 64 Resp: 37445
Ion Ratio Lower Upper
64 100
66 34.7 21.9 40.7



#12
1,1-Dichloroethene
Concen: 0.624 ug/L
RT: 2.306 min Scan# 200
Delta R.T. -0.012 min
Lab File: VX035171.D
Acq: 19 Apr 2023 15:52

Tgt Ion: 96 Resp: 1813
Ion Ratio Lower Upper
96 100
61 1330.6 119.0 221.0#
63 10921.8 91.0 169.0#

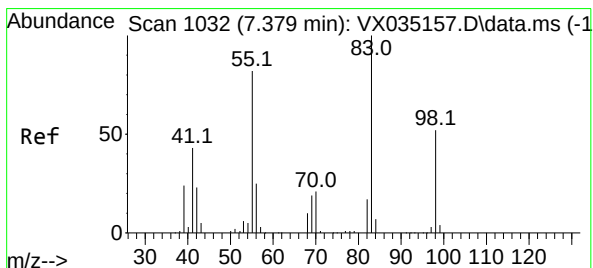
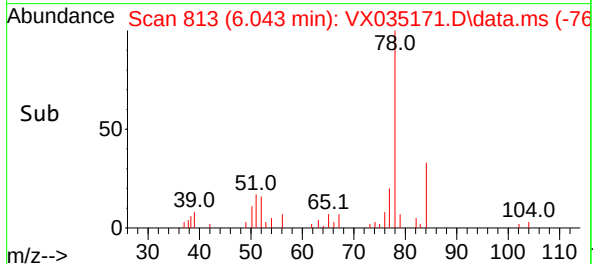
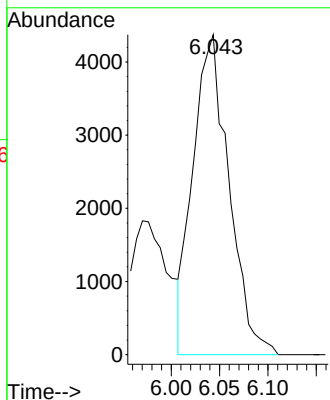
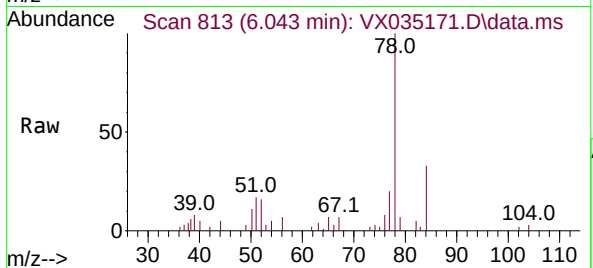




#33
Benzene
Concen: 0.890 ug/L
RT: 6.043 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX035171.D
Acq: 19 Apr 2023 15:52

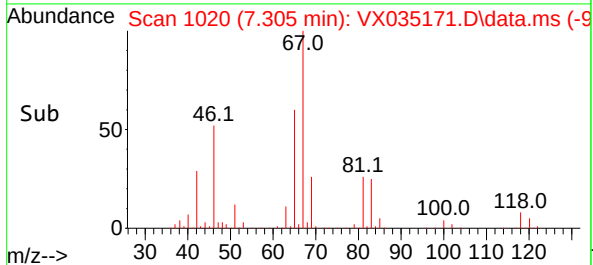
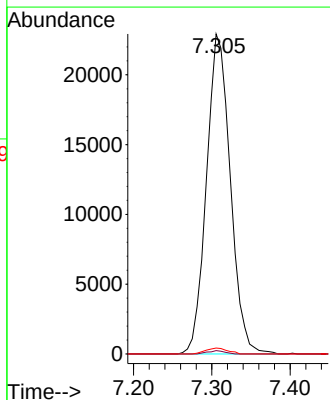
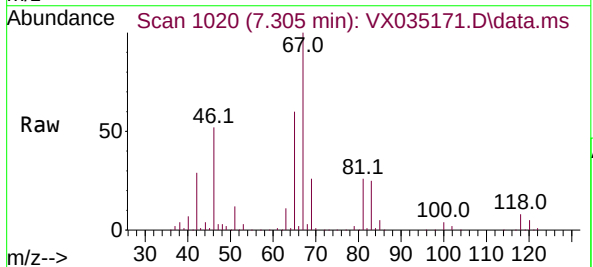
Instrument :
MSVOA_X
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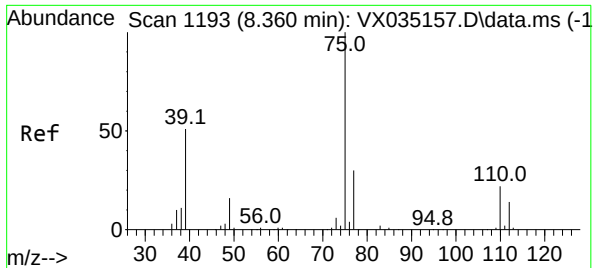
Tgt Ion: 78 Resp: 11298



#35
Methylcyclohexane
Concen: 10.675 ug/L
RT: 7.305 min Scan# 1020
Delta R.T. -0.073 min
Lab File: VX035171.D
Acq: 19 Apr 2023 15:52

Tgt Ion: 83 Resp: 48563
Ion Ratio Lower Upper
83 100
55 0.7 62.2 93.2#
98 1.7 39.3 58.9#





#39

cis-1,3-Dichloropropene

Concen: 1.032 ug/L

RT: 8.324 min Scan# 1187

Delta R.T. -0.037 min

Lab File: VX035171.D

Acq: 19 Apr 2023 15:52

Instrument :

MSVOA_X

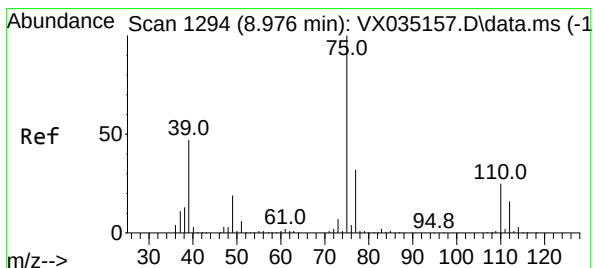
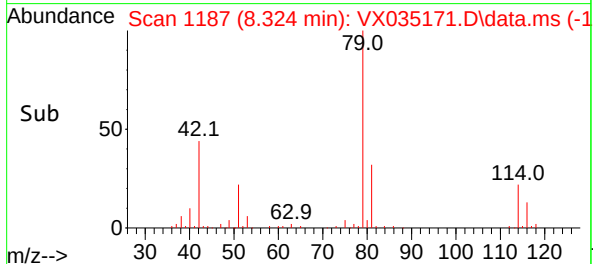
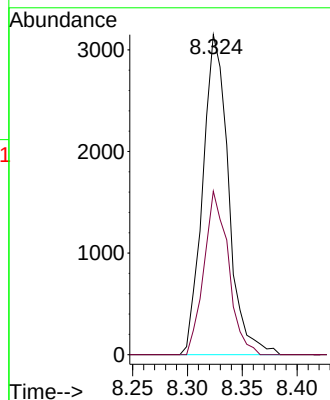
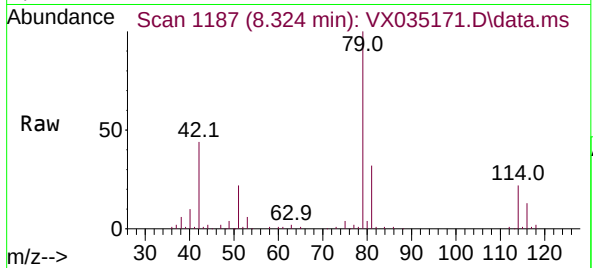
ClientSampleId :

Tgt Ion: 75 Resp: 5157

Ion Ratio Lower Upper

75 100

77 51.1 21.4 39.8#



#44

trans-1,3-Dichloropropene

Concen: 0.769 ug/L

RT: 8.951 min Scan# 1290

Delta R.T. -0.025 min

Lab File: VX035171.D

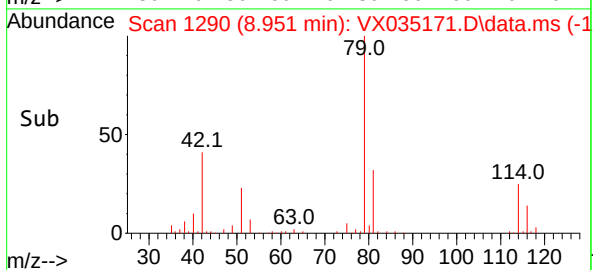
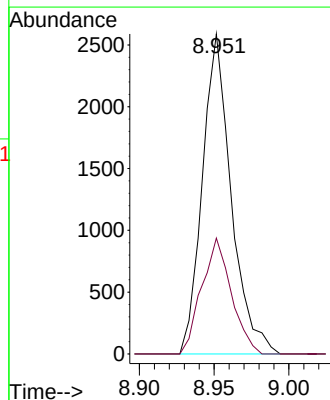
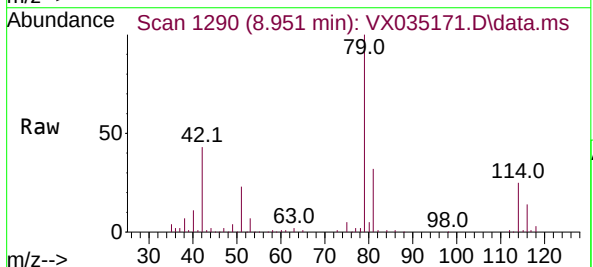
Acq: 19 Apr 2023 15:52

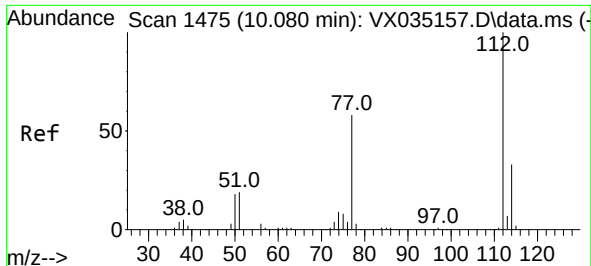
Tgt Ion: 75 Resp: 3466

Ion Ratio Lower Upper

75 100

77 36.2 22.0 40.8

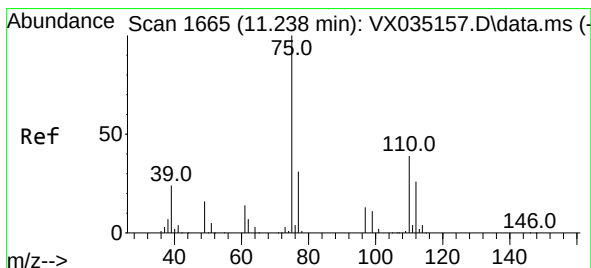
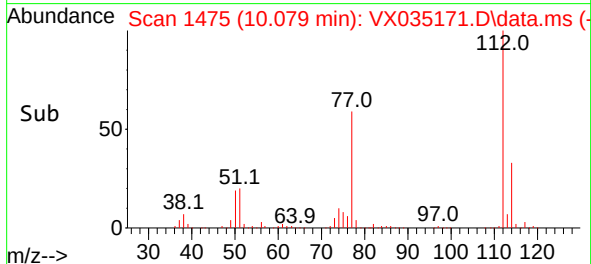
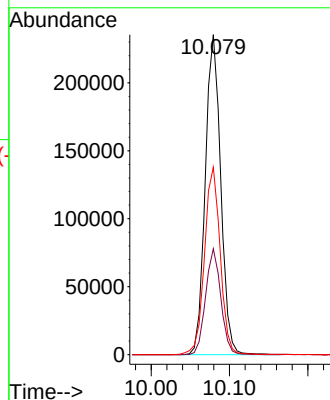
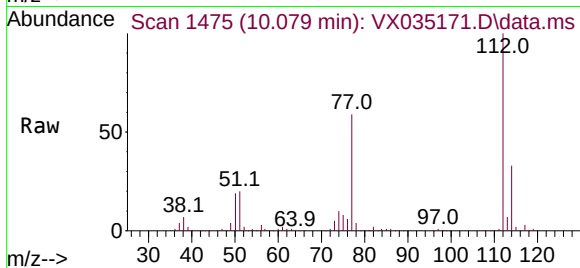




#51
Chlorobenzene
Concen: 37.051 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX035171.D
Acq: 19 Apr 2023 15:52

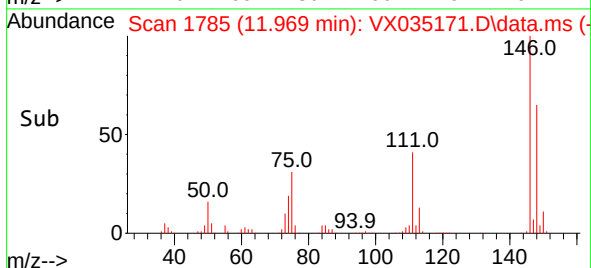
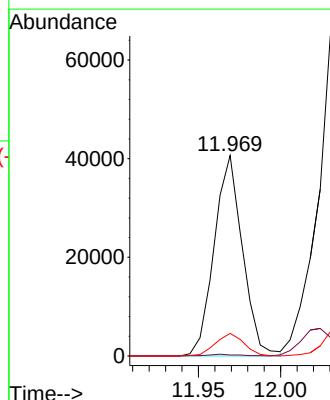
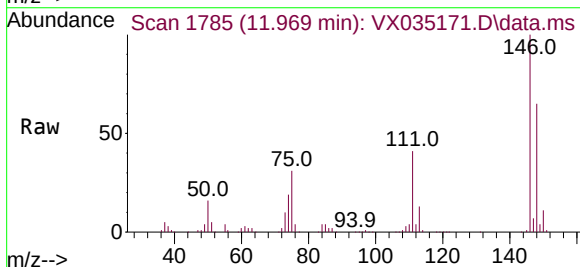
Instrument :
MSVOA_X
ClientSampleId :

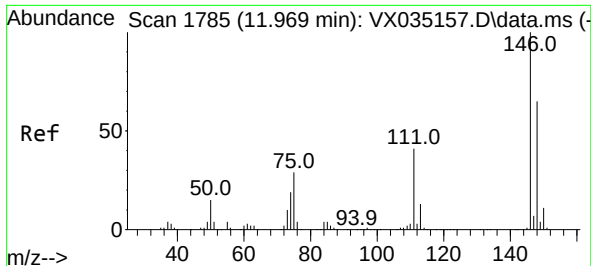
Tgt Ion:112 Resp: 321601
Ion Ratio Lower Upper
112 100
114 33.1 22.4 41.6
77 58.6 47.0 70.6



#61
1,2,3-Trichloropropane
Concen: 13.354 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.731 min
Lab File: VX035171.D
Acq: 19 Apr 2023 15:52

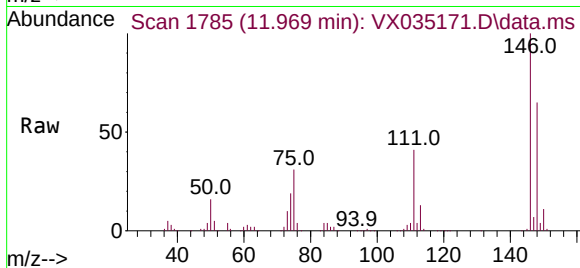
Tgt Ion: 75 Resp: 48663
Ion Ratio Lower Upper
75 100
77 0.9 25.6 38.4#
110 11.4 32.5 48.7#



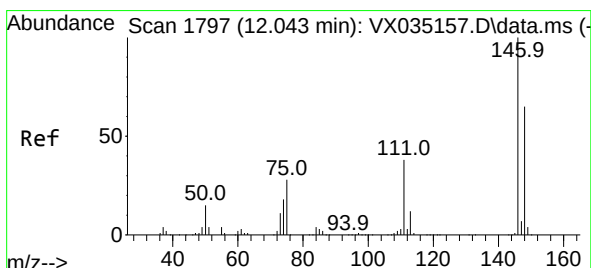
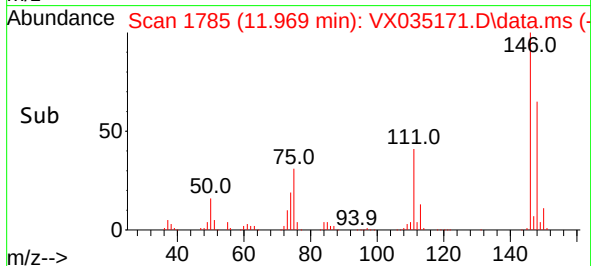
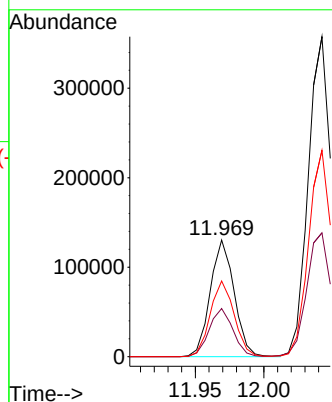


#64
1,3-Dichlorobenzene
Concen: 25.905 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX035171.D
Acq: 19 Apr 2023 15:52

Instrument :
MSVOA_X
ClientSampleId :

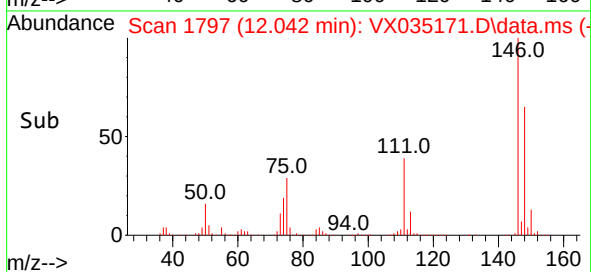
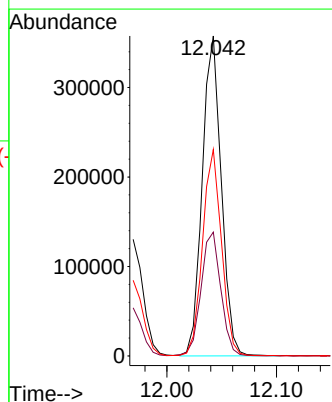
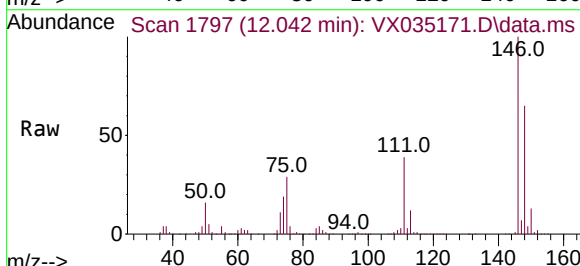


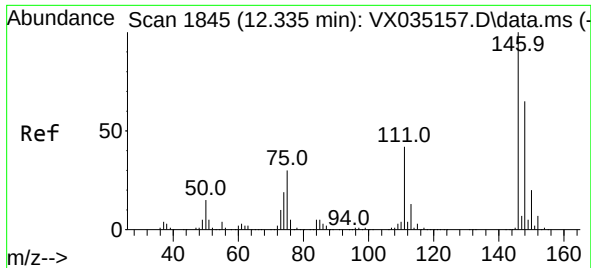
Tgt Ion:146 Resp: 158568
Ion Ratio Lower Upper
146 100
111 41.3 28.9 53.7
148 64.8 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 68.740 ug/L
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX035171.D
Acq: 19 Apr 2023 15:52

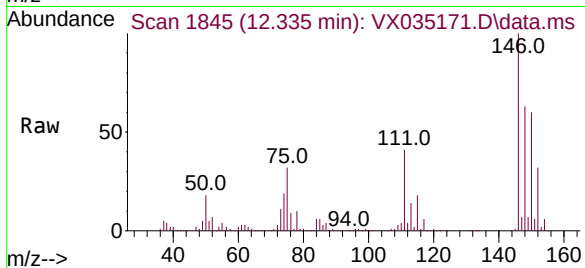
Tgt Ion:146 Resp: 430550
Ion Ratio Lower Upper
146 100
111 38.7 27.9 51.7
148 64.5 45.9 85.3



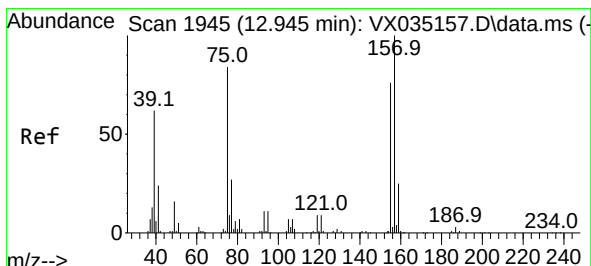
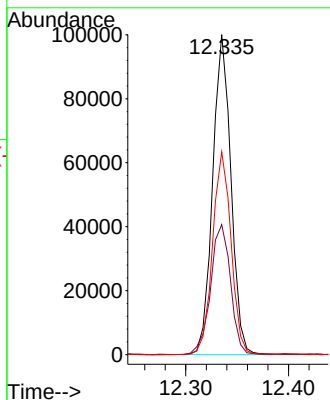
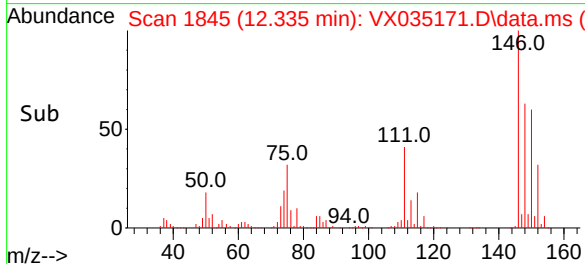


#67
 1,2-Dichlorobenzene
 Concen: 19.876 ug/L
 RT: 12.335 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX035171.D
 Acq: 19 Apr 2023 15:52

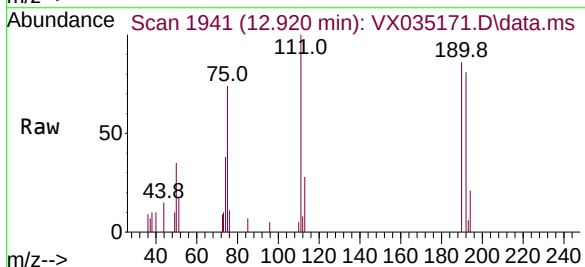
Instrument :
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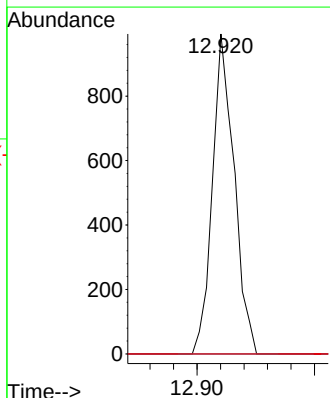
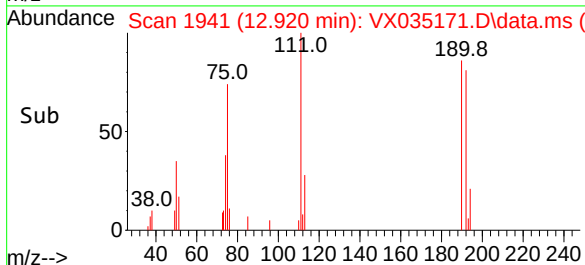
Tgt Ion:146 Resp: 123361
 Ion Ratio Lower Upper
 146 100
 111 40.7 34.7 52.1
 148 63.4 52.1 78.1

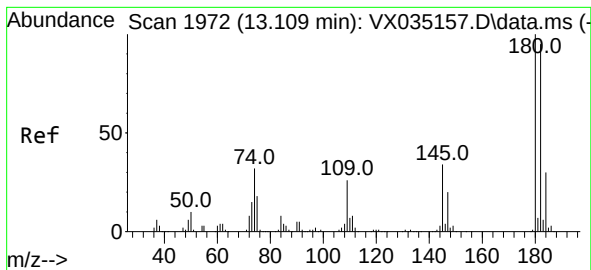


#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.419 ug/L
 RT: 12.920 min Scan# 1941
 Delta R.T. -0.025 min
 Lab File: VX035171.D
 Acq: 19 Apr 2023 15:52



Tgt Ion: 75 Resp: 1276
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.9 104.9#
 157 0.0 90.4 135.6#





#69

1,3,5-Trichlorobenzene

Concen: 59.928 ug/L

RT: 13.585 min Scan# 20

Delta R.T. 0.475 min

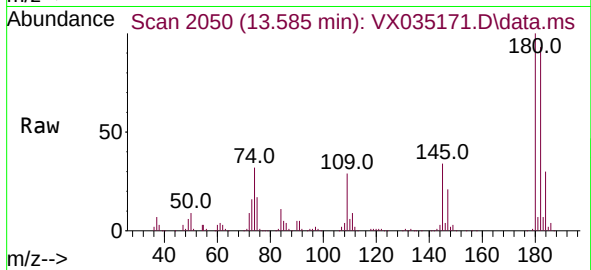
Lab File: VX035171.D

Acq: 19 Apr 2023 15:52

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 226776

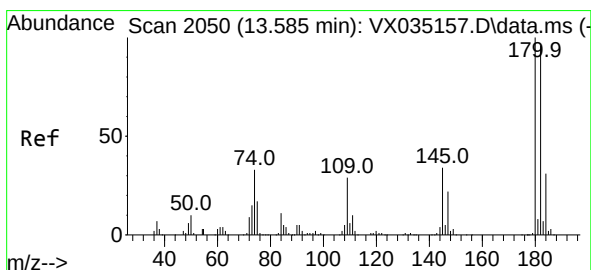
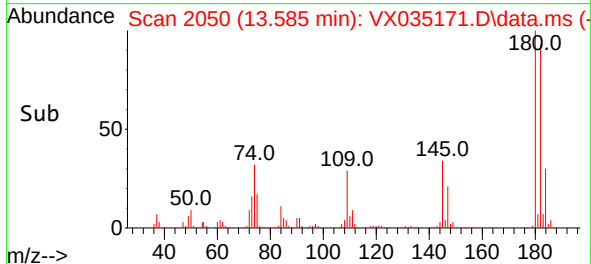
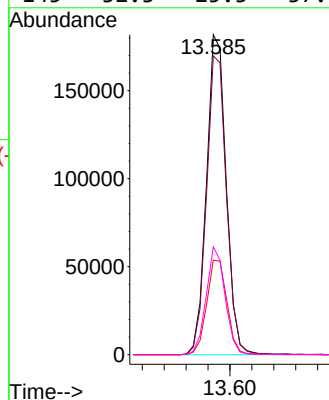
Ion Ratio Lower Upper

180 100

182 94.4 75.4 113.0

184 30.5 23.8 35.8

145 32.3 25.3 37.9



#70

1,2,4-trichlorobenzene

Concen: 64.001 ug/L

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX035171.D

Acq: 19 Apr 2023 15:52

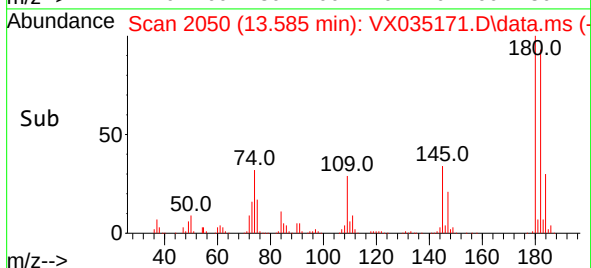
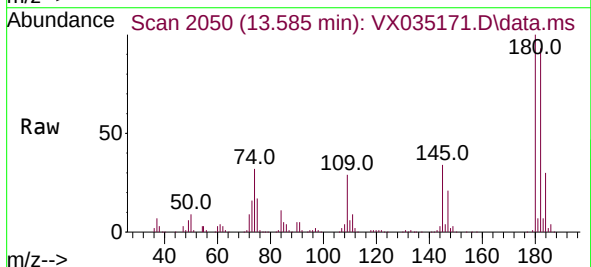
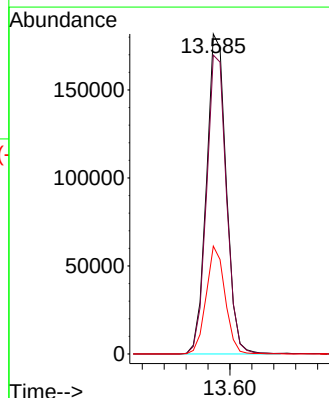
Tgt Ion:180 Resp: 226776

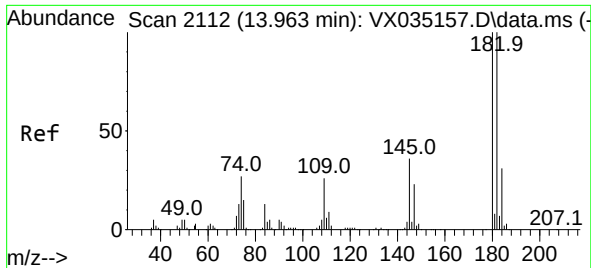
Ion Ratio Lower Upper

180 100

182 94.4 76.6 114.8

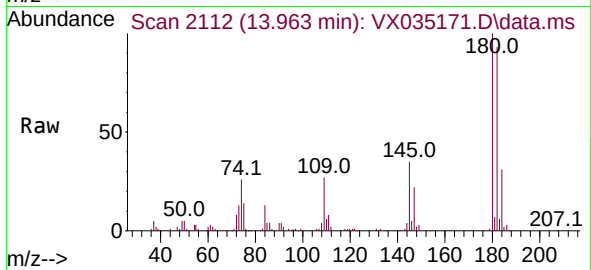
145 32.3 26.2 39.4





#72
 1,2,3-Trichlorobenzene
 Concen: 13.790 ug/L
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX035171.D
 Acq: 19 Apr 2023 15:52

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.0	112.6
145	33.9	27.1	40.7

