

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041023\
 Data File : VX034996.D
 Acq On : 10 Apr 2023 16:16
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050623

Quant Time: Apr 11 05:42:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 11 05:31:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	503248	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	443753	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	224825	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	156118	46.576	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.160%
7) Chloroethane-d5	1.672	69	118574	48.297	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.600%
11) 1,1-Dichloroethene-d2	2.306	63	322359	47.443	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.880%
21) 2-Butanone-d5	4.458	46	211671	95.014	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.010%
24) Chloroform-d	5.050	84	309029	48.379	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.760%
26) 1,2-Dichloroethane-d4	5.952	65	207010	47.211	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.420%
32) Benzene-d6	5.970	84	587789	47.450	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.900%
36) 1,2-Dichloropropane-d6	7.306	67	182695	47.942	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.880%
41) Toluene-d8	8.647	98	542597	47.822	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.640%
43) trans-1,3-Dichloroprop...	8.945	79	83909	47.949	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.900%
47) 2-Hexanone-d5	9.384	63	148200	97.301	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.300%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	232189	49.029	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.060%
66) 1,2-Dichlorobenzene-d4	12.317	152	198462	48.106	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.220%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	215444	49.294	ug/L	99
3) Chloromethane	1.294	50	198973	48.434	ug/L	98
5) Vinyl chloride	1.374	62	202743	48.693	ug/L	100
6) Bromomethane	1.618	94	115651	49.155	ug/L	99
8) Chloroethane	1.691	64	114999	49.081	ug/L	97
9) Trichlorofluoromethane	1.892	101	281972	48.676	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	176962	49.228	ug/L	99
12) 1,1-Dichloroethene	2.319	96	155863	48.719	ug/L	88
13) Acetone	2.392	43	191096	86.752	ug/L	100
14) Carbon disulfide	2.514	76	399296	46.424	ug/L	99
15) Methyl Acetate	2.703	43	176011	46.556	ug/L	99
16) Methylene chloride	2.788	84	168353	47.962	ug/L	98
17) trans-1,2-Dichloroethene	3.087	96	158022	48.030	ug/L	99
18) Methyl tert-butyl Ether	3.111	73	563725	49.018	ug/L	100
19) 1,1-Dichloroethane	3.605	63	317493	48.459	ug/L	99
20) cis-1,2-Dichloroethene	4.483	96	182037	48.364	ug/L	97
22) 2-Butanone	4.556	43	260542	92.594	ug/L	100
23) Bromochloromethane	4.891	128	90060	48.371	ug/L	97
25) Chloroform	5.086	83	329447	49.030	ug/L	99

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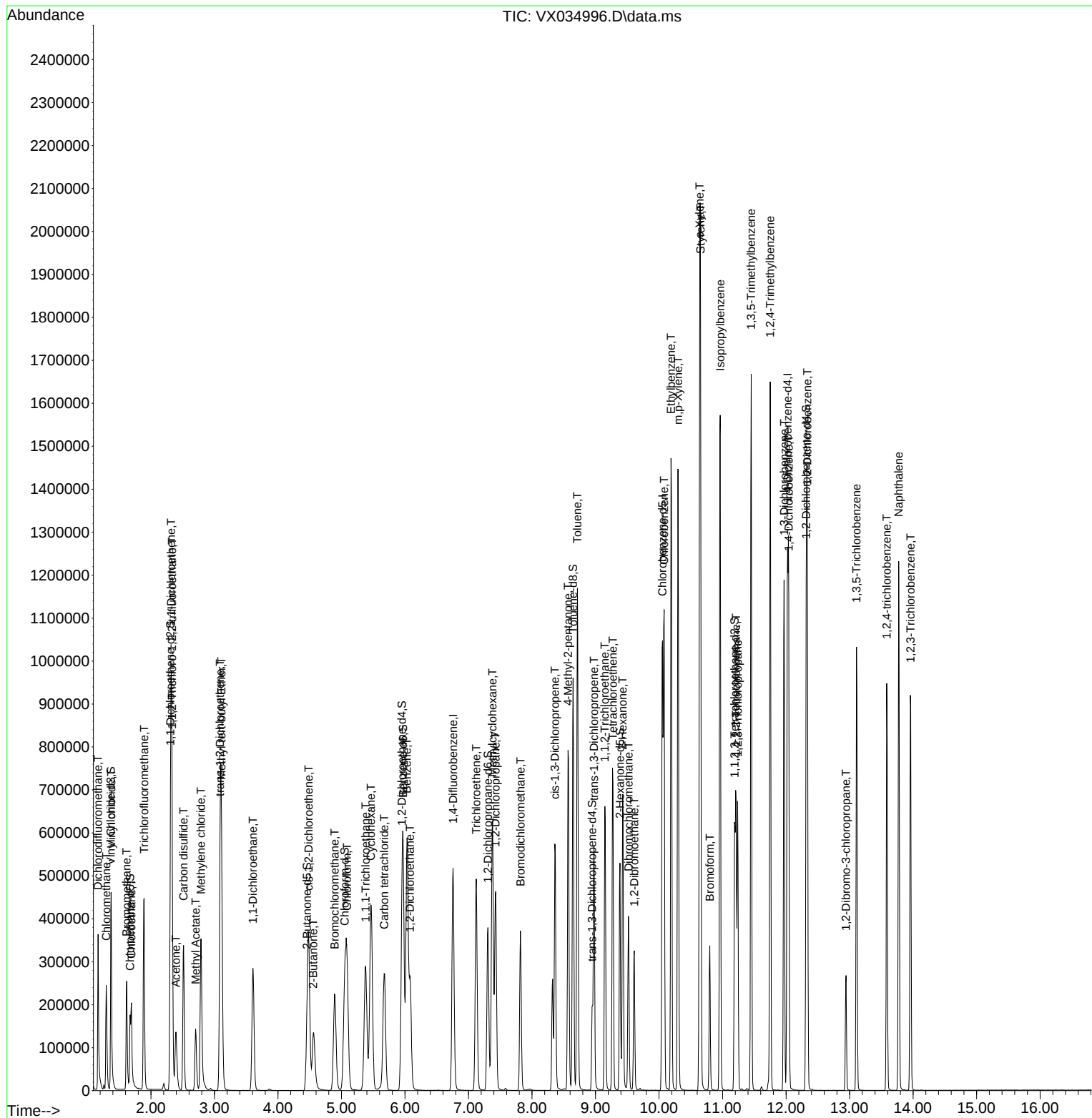
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.080	62	281884	49.536	ug/L	100
29) Cyclohexane	5.464	56	300351	49.222	ug/L	99
30) 1,1,1-Trichloroethane	5.379	97	289130	49.273	ug/L	100
31) Carbon tetrachloride	5.672	117	246245	48.684	ug/L	98
33) Benzene	6.031	78	690484	48.791	ug/L	100
34) Trichloroethene	7.123	95	186230	48.809	ug/L	100
35) Methylcyclohexane	7.379	83	274319	49.871	ug/L	100
37) 1,2-Dichloropropane	7.427	63	184459	49.190	ug/L	100
38) Bromodichloromethane	7.818	83	231971	48.893	ug/L	99
39) cis-1,3-Dichloropropene	8.360	75	284038	49.562	ug/L	99
40) 4-Methyl-2-pentanone	8.568	43	486983	97.733	ug/L	100
42) Toluene	8.714	91	727383	49.627	ug/L	100
44) trans-1,3-Dichloropropene	8.976	75	267323	50.667	ug/L	97
45) 1,1,2-Trichloroethane	9.147	97	173923	49.738	ug/L	96
46) Tetrachloroethene	9.275	164	139757	49.168	ug/L	98
48) 2-Hexanone	9.427	43	375440	96.126	ug/L	100
49) Dibromochloromethane	9.519	129	170498	49.571	ug/L	100
50) 1,2-Dibromoethane	9.610	107	180709	49.245	ug/L	98
51) Chlorobenzene	10.079	112	464804	49.201	ug/L	99
52) Ethylbenzene	10.189	91	829880	49.893	ug/L	100
53) m,p-Xylene	10.299	106	313654	50.048	ug/L	98
54) o-Xylene	10.640	106	306977	49.714	ug/L	100
55) Styrene	10.653	104	520144	50.242	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	254849	49.082	ug/L	100
59) Bromoform	10.799	173	114680	47.843	ug/L	98
60) Isopropylbenzene	10.963	105	820346	49.965	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	202830	47.051	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	686476	50.428	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	677530	50.406	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	355287	48.577	ug/L	98
65) 1,4-Dichlorobenzene	12.043	146	360712	48.777	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	346816	48.133	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.945	75	52695	47.750	ug/L	90
69) 1,3,5-Trichlorobenzene	13.109	180	225579	49.306	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	210729	49.518	ug/L	98
71) Naphthalene	13.774	128	731038	50.270	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	208553	48.804	ug/L	100

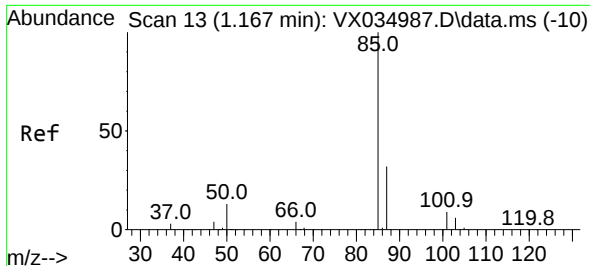
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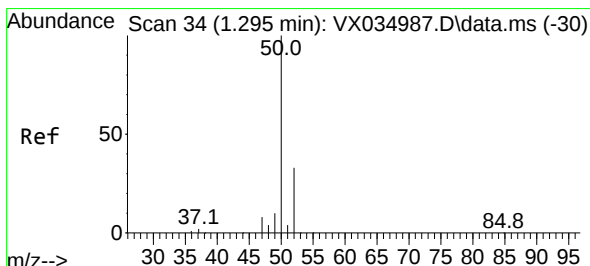
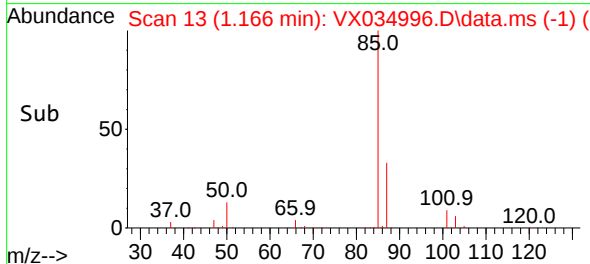
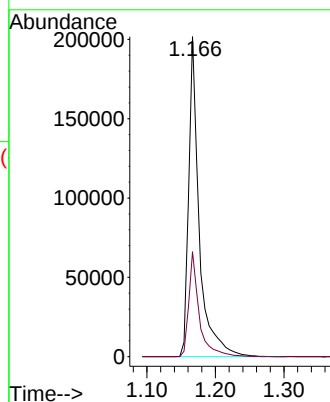
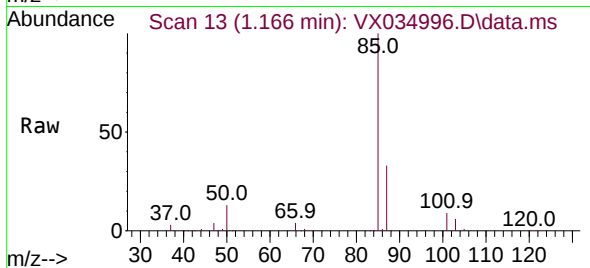




#2
 Dichlorodifluoromethane
 Concen: 49.294 ug/L
 RT: 1.166 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX034996.D
 Acq: 10 Apr 2023 16:16

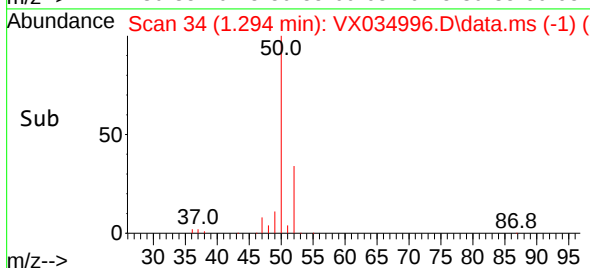
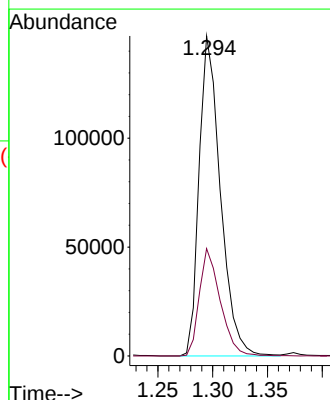
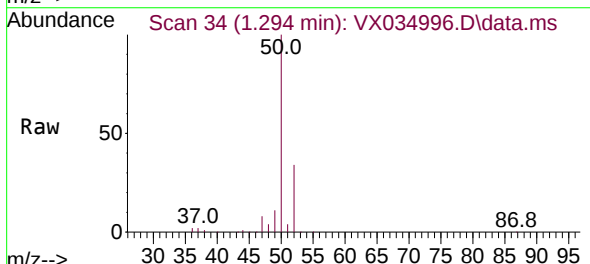
Instrument :
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 ClientSampleId :
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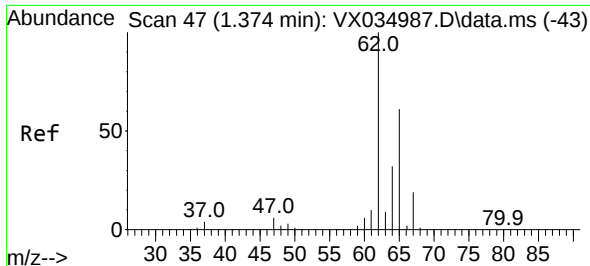
Tgt Ion: 85 Resp: 215444
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.7 38.5



#3
 Chloromethane
 Concen: 48.434 ug/L
 RT: 1.294 min Scan# 34
 Delta R.T. -0.000 min
 Lab File: VX034996.D
 Acq: 10 Apr 2023 16:16

Tgt Ion: 50 Resp: 198973
 Ion Ratio Lower Upper
 50 100
 52 33.6 22.9 42.5

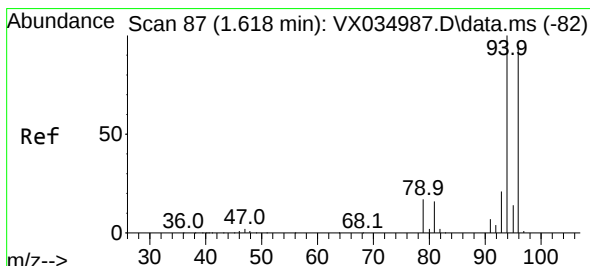
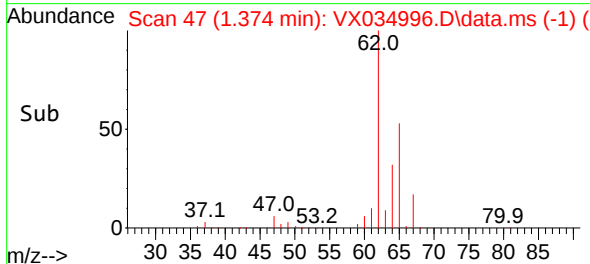
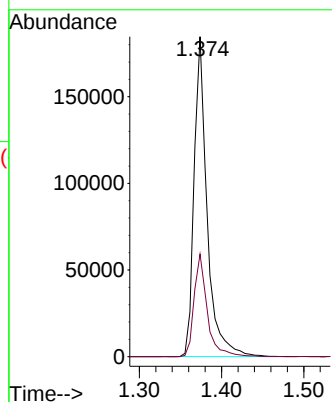
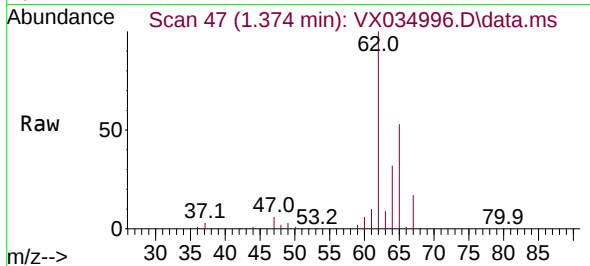




#5
 Vinyl chloride
 Concen: 48.693 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX034996.D
 Acq: 10 Apr 2023 16:16

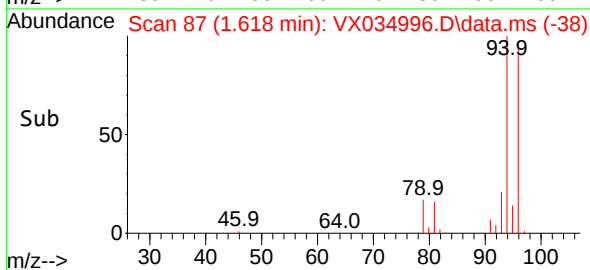
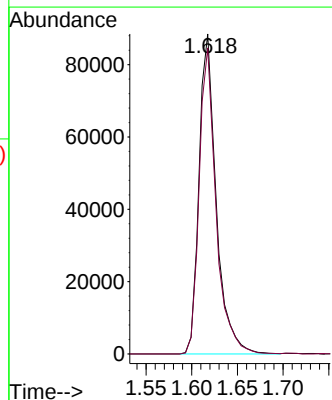
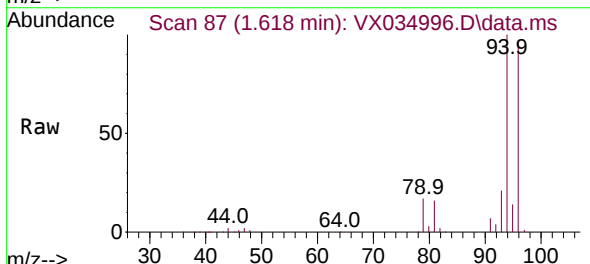
Instrument :
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 ClientSampleId :
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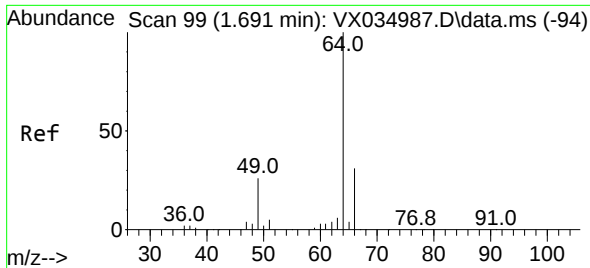
Tgt Ion: 62 Resp: 202743
 Ion Ratio Lower Upper
 62 100
 64 32.1 22.3 41.3



#6
 Bromomethane
 Concen: 49.155 ug/L
 RT: 1.618 min Scan# 87
 Delta R.T. -0.000 min
 Lab File: VX034996.D
 Acq: 10 Apr 2023 16:16

Tgt Ion: 94 Resp: 115651
 Ion Ratio Lower Upper
 94 100
 96 95.7 66.6 123.6

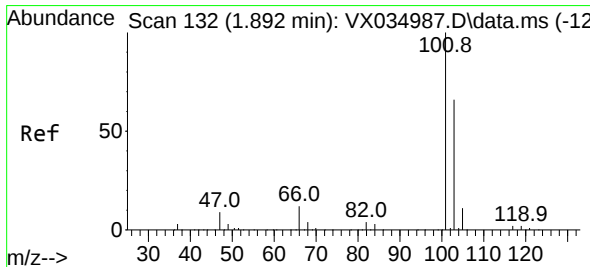
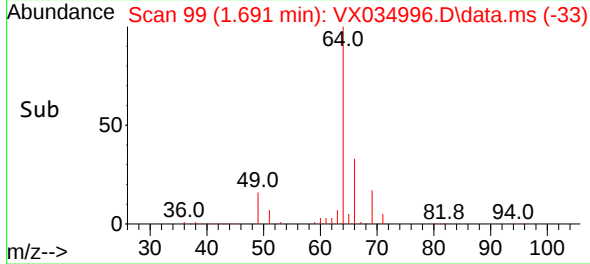
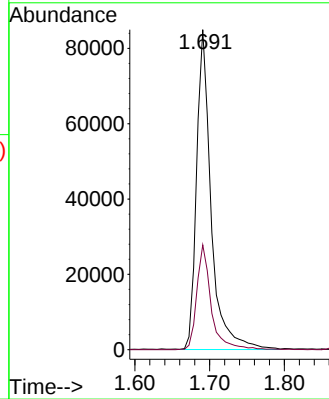
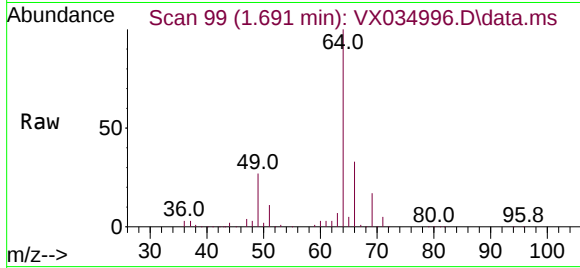




#8
Chloroethane
Concen: 49.081 ug/L
RT: 1.691 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX034996.D
Acq: 10 Apr 2023 16:16

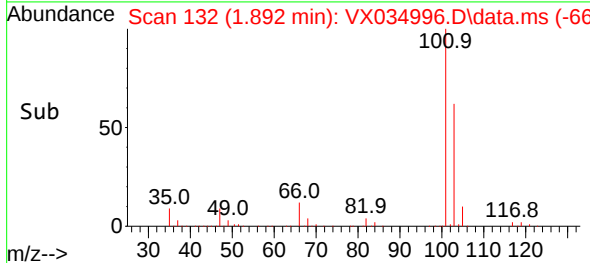
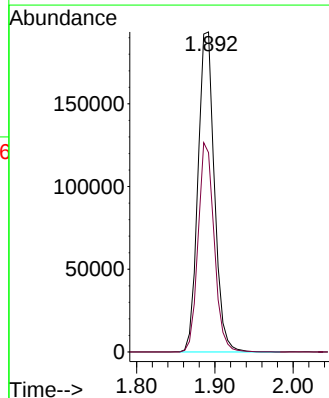
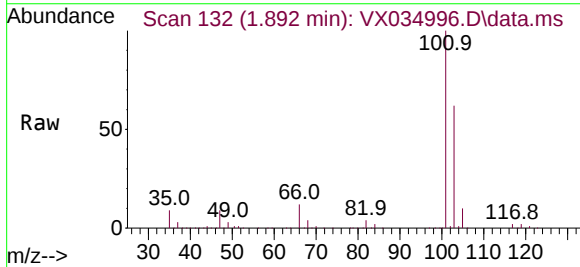
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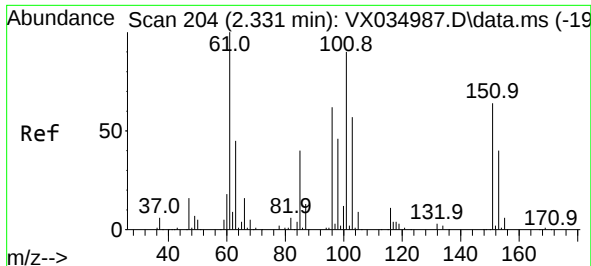
Tgt Ion: 64 Resp: 114999
Ion Ratio Lower Upper
64 100
66 32.8 21.8 40.4



#9
Trichlorofluoromethane
Concen: 48.676 ug/L
RT: 1.892 min Scan# 132
Delta R.T. -0.000 min
Lab File: VX034996.D
Acq: 10 Apr 2023 16:16

Tgt Ion: 101 Resp: 281972
Ion Ratio Lower Upper
101 100
103 64.0 51.9 77.9

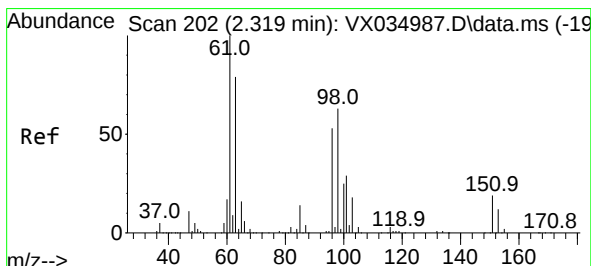
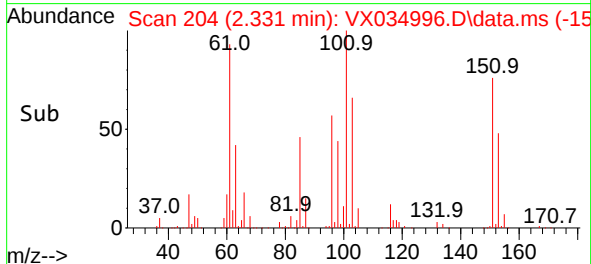
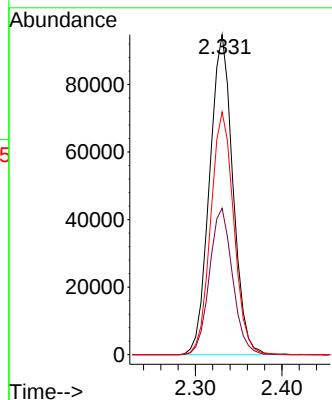
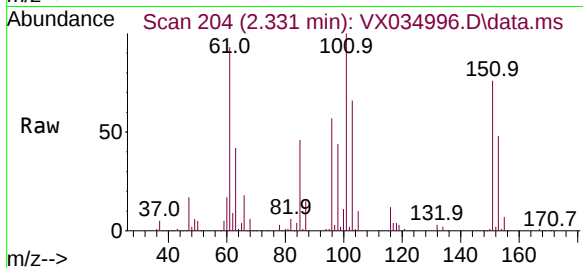




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 49.228 ug/L
 RT: 2.331 min Scan# 204
 Delta R.T. -0.000 min
 Lab File: VX034996.D
 Acq: 10 Apr 2023 16:16

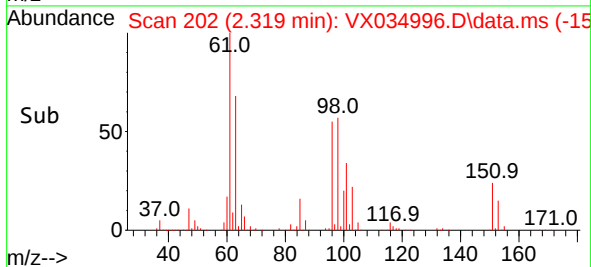
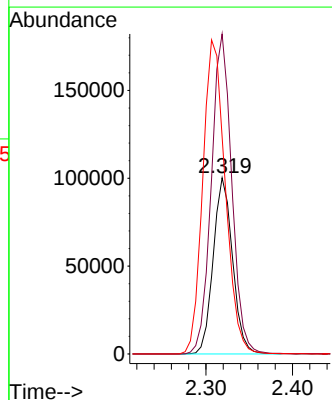
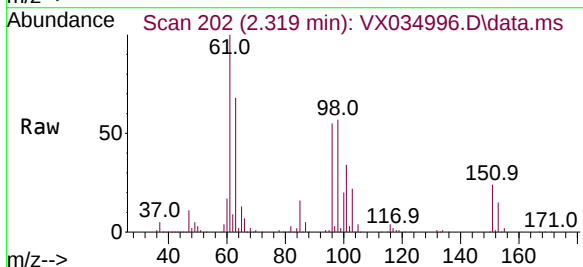
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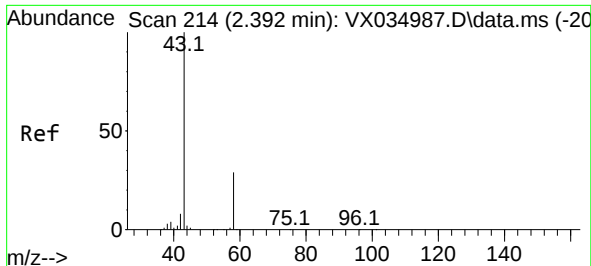
Tgt Ion:101 Resp: 176962
 Ion Ratio Lower Upper
 101 100
 85 45.4 36.4 54.6
 151 75.3 59.7 89.5



#12
 1,1-Dichloroethene
 Concen: 48.719 ug/L
 RT: 2.319 min Scan# 202
 Delta R.T. -0.000 min
 Lab File: VX034996.D
 Acq: 10 Apr 2023 16:16

Tgt Ion: 96 Resp: 155863
 Ion Ratio Lower Upper
 96 100
 61 181.6 132.4 245.8
 63 123.3 105.5 195.9





#13

Acetone

Concen: 86.752 ug/L

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX034996.D

Acq: 10 Apr 2023 16:16

Instrument :

MSVOA_X

ClientSampleId :

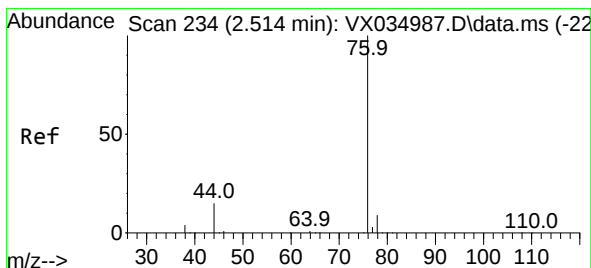
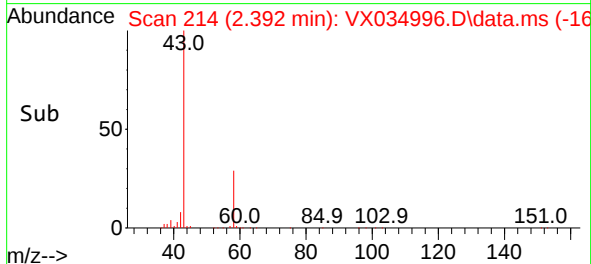
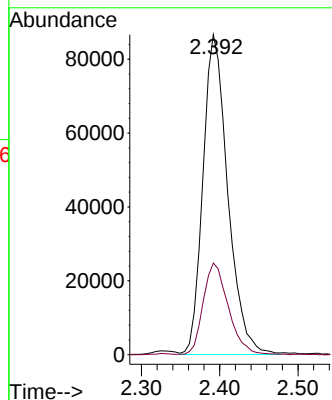
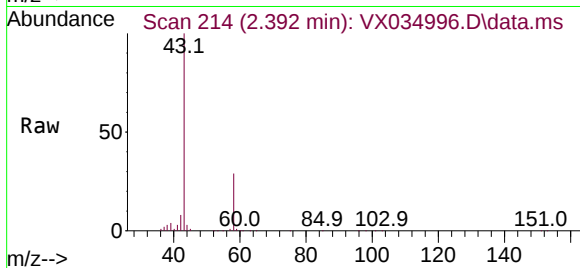
VSTD050623

Tgt Ion: 43 Resp: 191096

Ion Ratio Lower Upper

43 100

58 28.9 0.0 57.4



#14

Carbon disulfide

Concen: 46.424 ug/L

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

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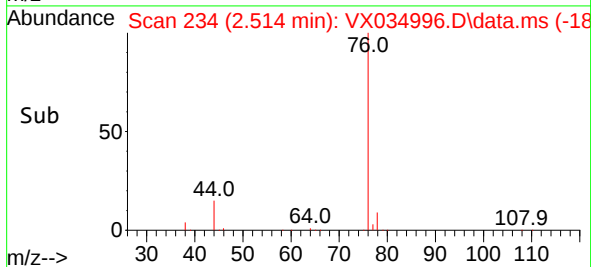
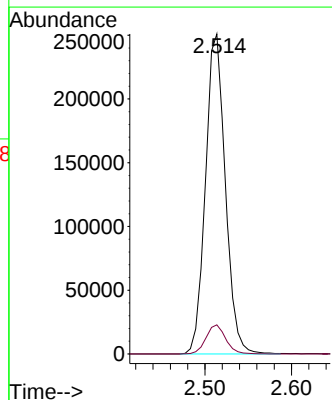
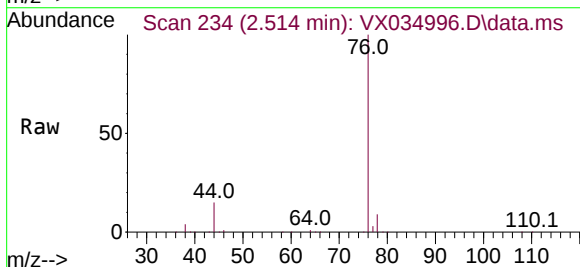
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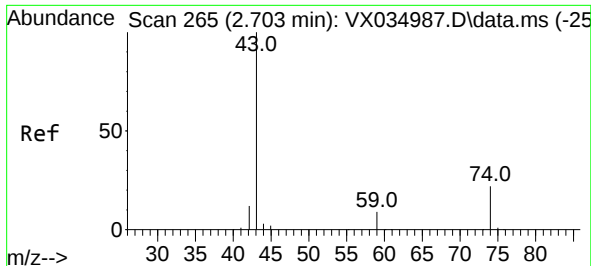
Tgt Ion: 76 Resp: 399296

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

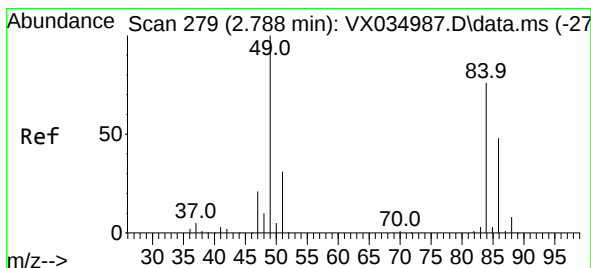
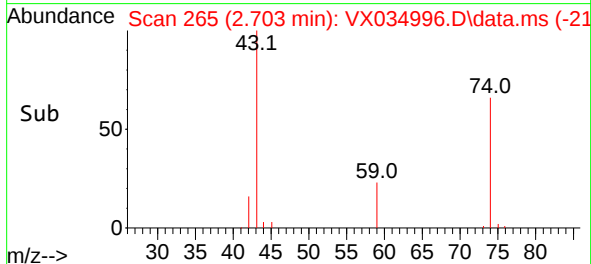
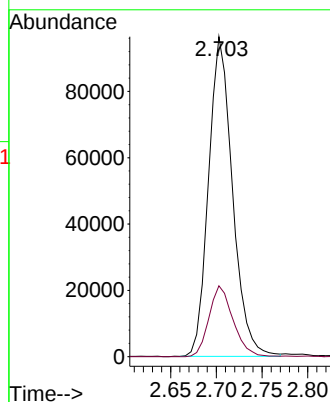
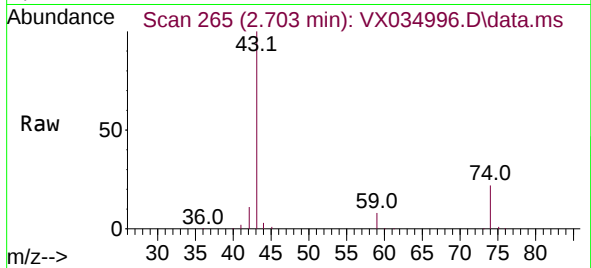




#15
Methyl Acetate
Concen: 46.556 ug/L
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX034996.D
Acq: 10 Apr 2023 16:16

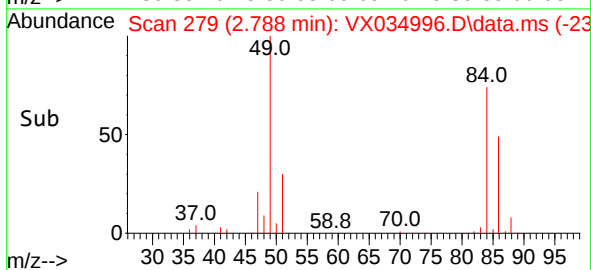
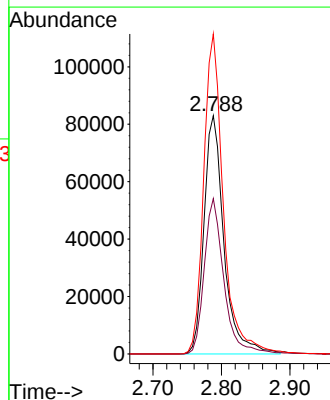
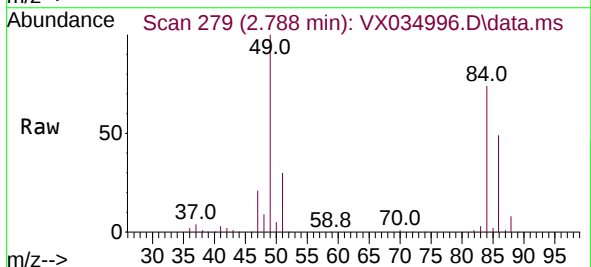
Instrument :
MSVOA_X
ClientSampleId :
VSTD050623

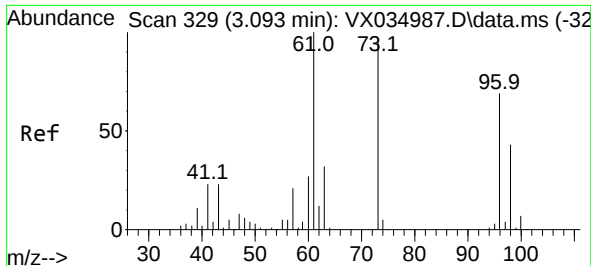
Tgt Ion: 43 Resp: 176011
Ion Ratio Lower Upper
43 100
74 22.4 17.5 26.3



#16
Methylene chloride
Concen: 47.962 ug/L
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX034996.D
Acq: 10 Apr 2023 16:16

Tgt Ion: 84 Resp: 168353
Ion Ratio Lower Upper
84 100
86 65.2 44.7 82.9
49 134.3 92.3 171.5

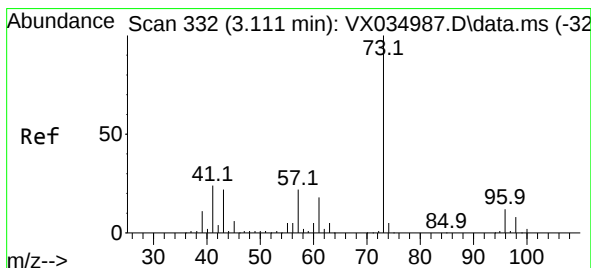
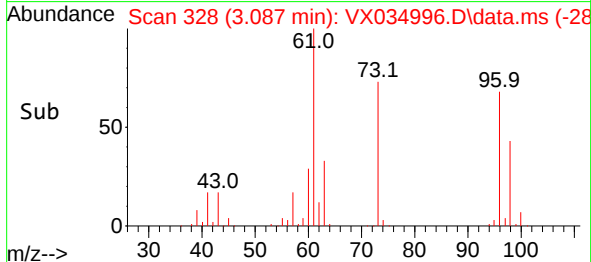
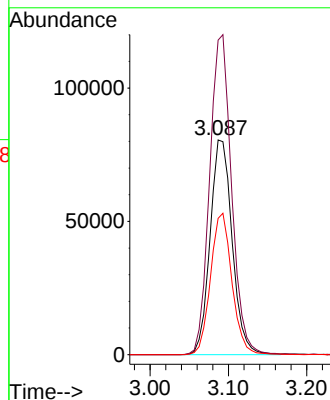
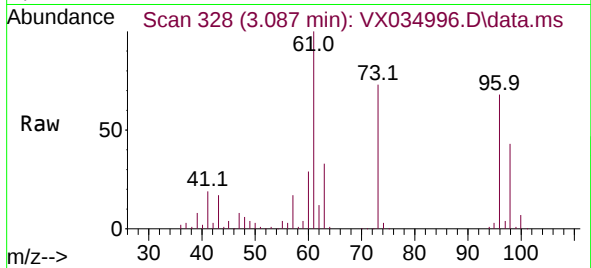




#17
trans-1,2-Dichloroethene
Concen: 48.030 ug/L
RT: 3.087 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX034996.D
Acq: 10 Apr 2023 16:16

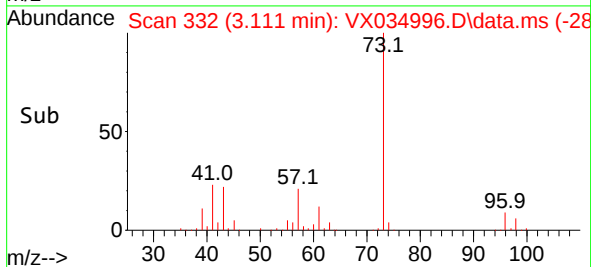
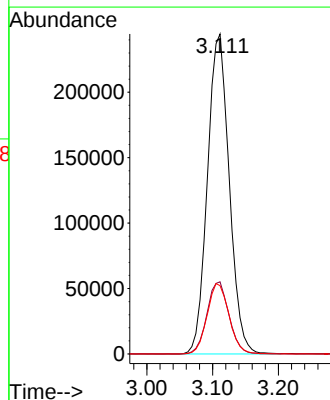
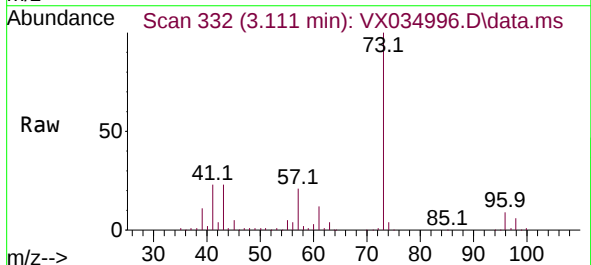
Instrument :
MSVOA_X
ClientSampleId :
VSTD050623

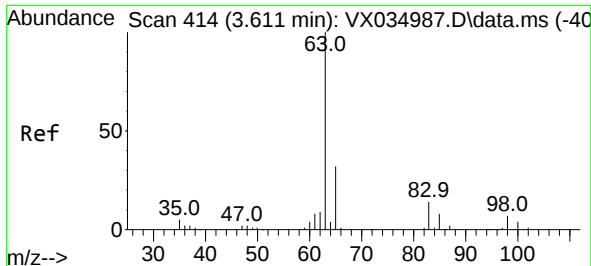
Tgt Ion: 96 Resp: 158022
Ion Ratio Lower Upper
96 100
61 146.5 102.0 189.4
98 63.5 44.2 82.0



#18
Methyl tert-butyl Ether
Concen: 49.018 ug/L
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX034996.D
Acq: 10 Apr 2023 16:16

Tgt Ion: 73 Resp: 563725
Ion Ratio Lower Upper
73 100
43 22.7 18.2 27.2
57 22.0 17.7 26.5





#19

1,1-Dichloroethane

Concen: 48.459 ug/L

RT: 3.605 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX034996.D

Acq: 10 Apr 2023 16:16

Instrument :

MSVOA_X

ClientSampleId :

VSTD050623

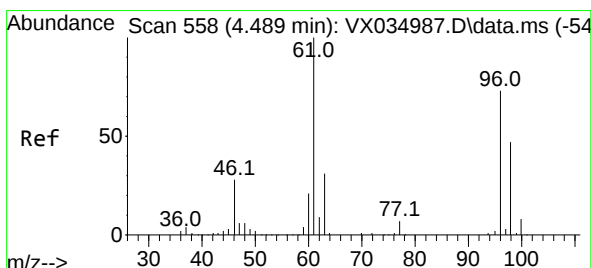
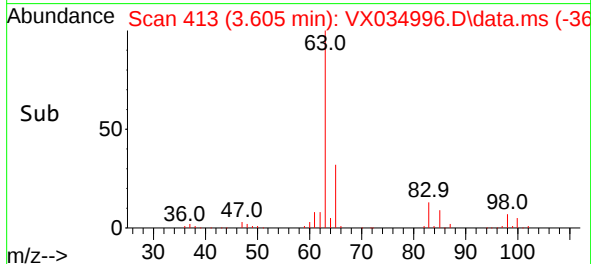
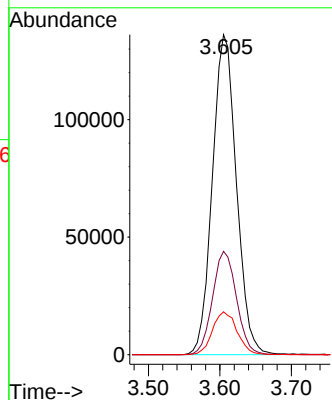
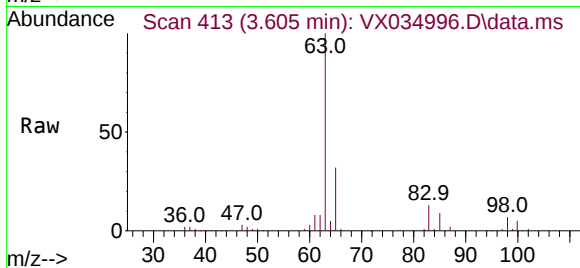
Tgt Ion: 63 Resp: 317493

Ion Ratio Lower Upper

63 100

65 32.3 22.1 41.1

83 13.4 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 48.364 ug/L

RT: 4.483 min Scan# 557

Delta R.T. -0.006 min

Lab File: VX034996.D

Acq: 10 Apr 2023 16:16

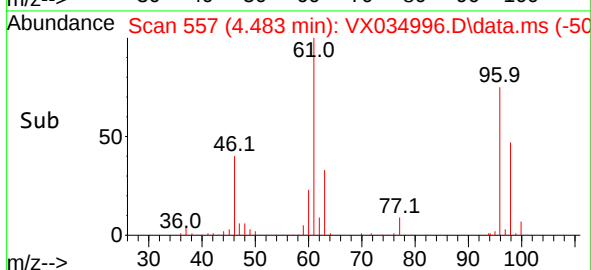
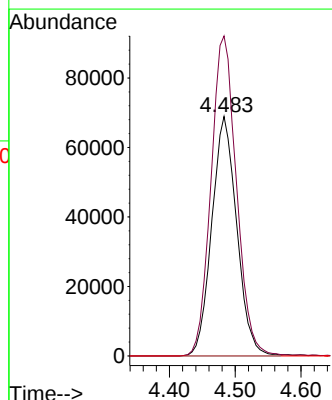
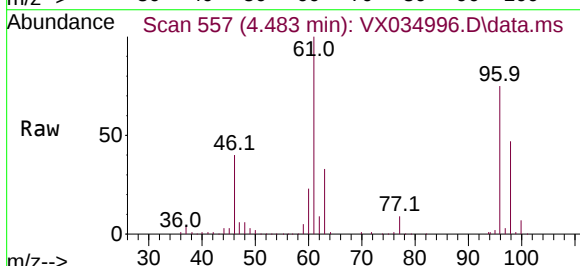
Tgt Ion: 96 Resp: 182037

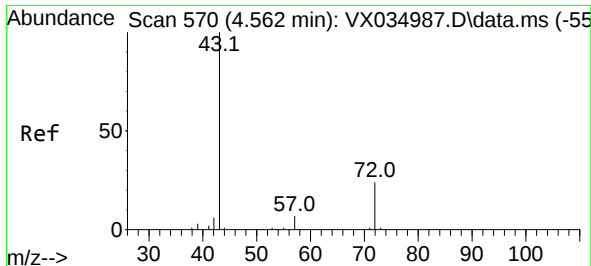
Ion Ratio Lower Upper

96 100

61 133.6 95.7 177.7

68 0.0 0.0 0.0

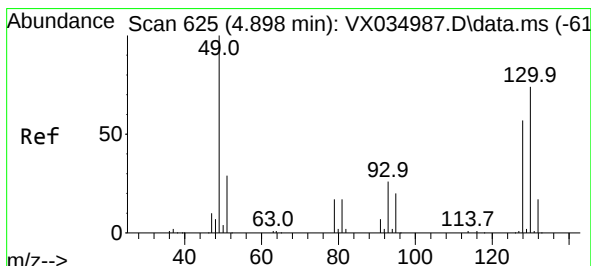
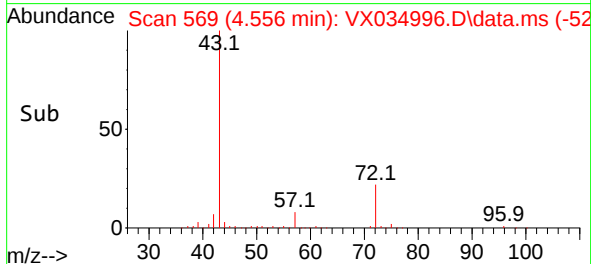
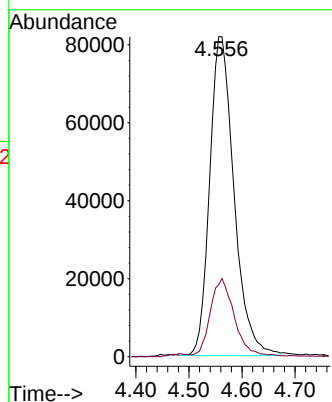
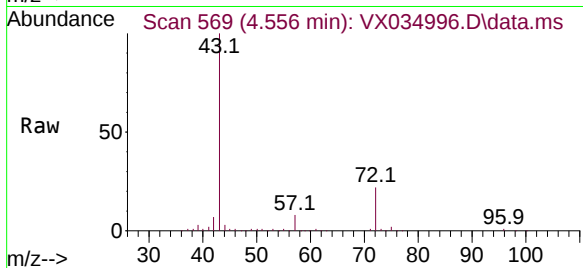




#22
2-Butanone
Concen: 92.594 ug/L
RT: 4.556 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX034996.D
Acq: 10 Apr 2023 16:16

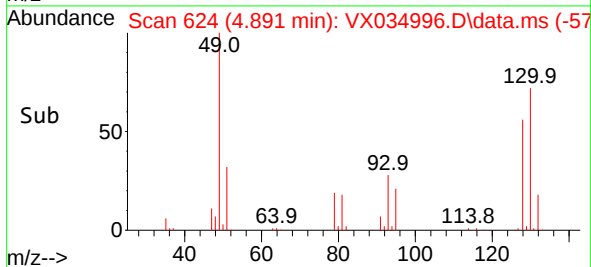
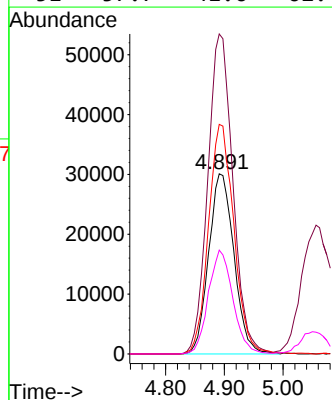
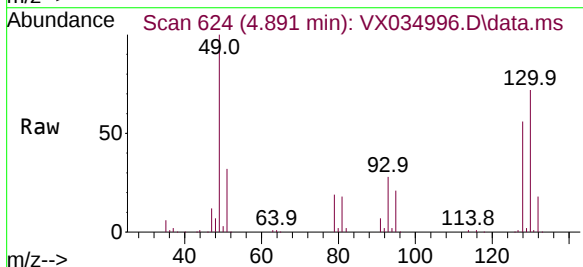
Instrument :
MSVOA_X
ClientSampleId :
VSTD050623

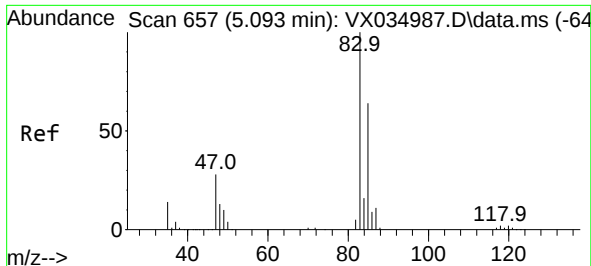
Tgt Ion: 43 Resp: 260542
Ion Ratio Lower Upper
43 100
72 23.1 11.5 34.5



#23
Bromochloromethane
Concen: 48.371 ug/L
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX034996.D
Acq: 10 Apr 2023 16:16

Tgt Ion:128 Resp: 90060
Ion Ratio Lower Upper
128 100
49 177.6 123.9 230.1
130 127.4 92.1 171.1
51 57.7 41.6 62.4

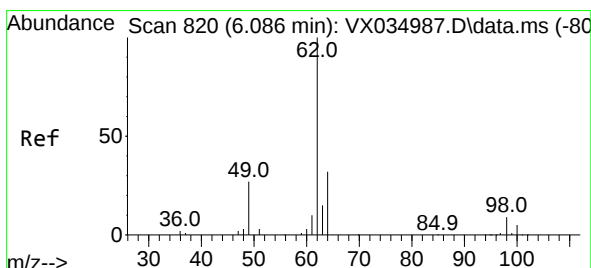
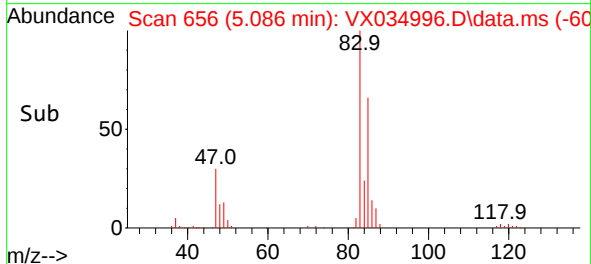
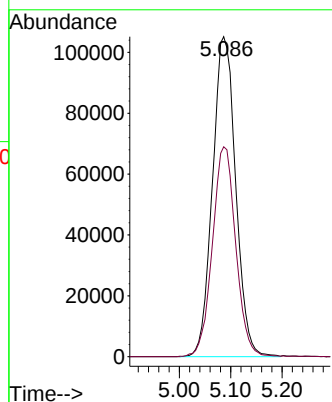
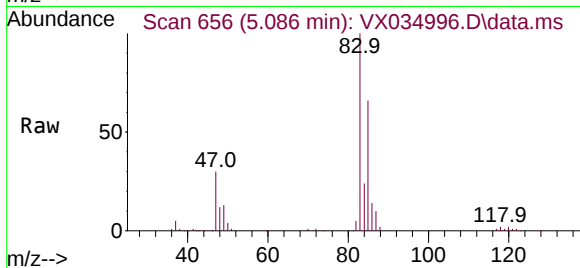




#25
Chloroform
Concen: 49.030 ug/L
RT: 5.086 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX034996.D
Acq: 10 Apr 2023 16:16

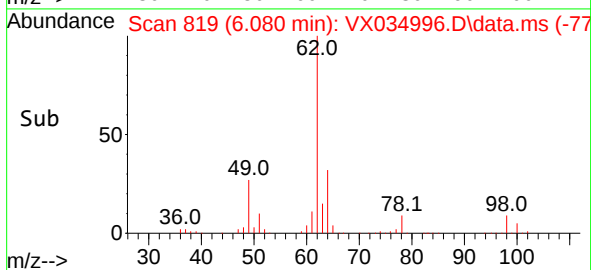
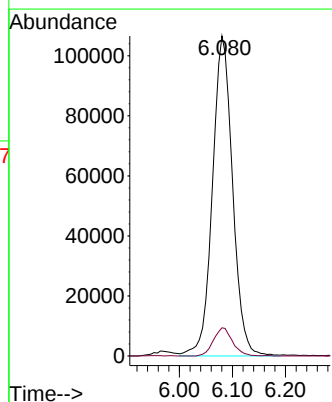
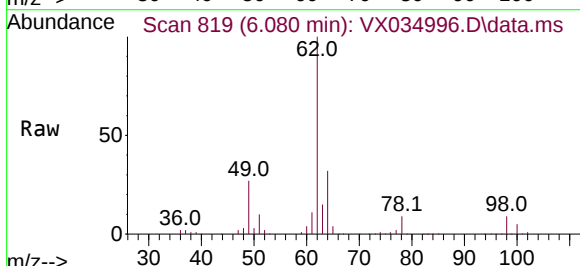
Instrument :
MSVOA_X
ClientSampleId :
VSTD050623

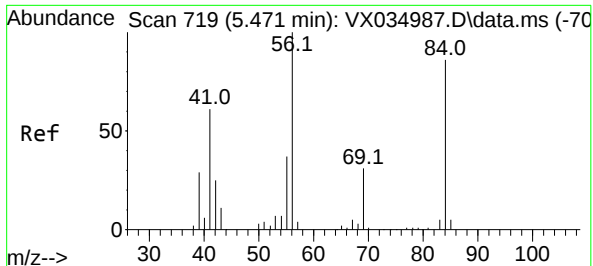
Tgt Ion: 83 Resp: 329447
Ion Ratio Lower Upper
83 100
85 65.6 45.1 83.9



#27
1,2-Dichloroethane
Concen: 49.536 ug/L
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX034996.D
Acq: 10 Apr 2023 16:16

Tgt Ion: 62 Resp: 281884
Ion Ratio Lower Upper
62 100
98 8.8 7.0 10.6





#29

Cyclohexane

Concen: 49.222 ug/L

RT: 5.464 min Scan# 718

Delta R.T. -0.006 min

Lab File: VX034996.D

Acq: 10 Apr 2023 16:16

Instrument :

MSVOA_X

ClientSampleId :

VSTD050623

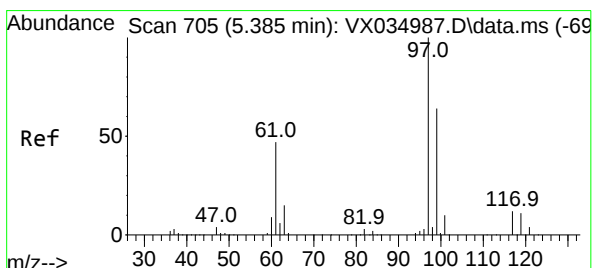
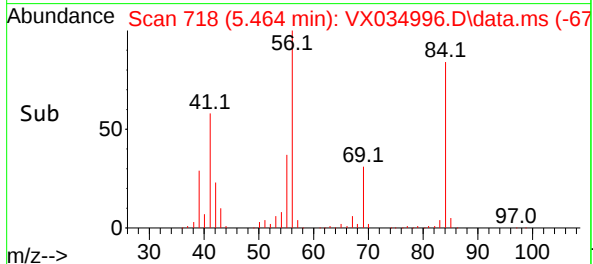
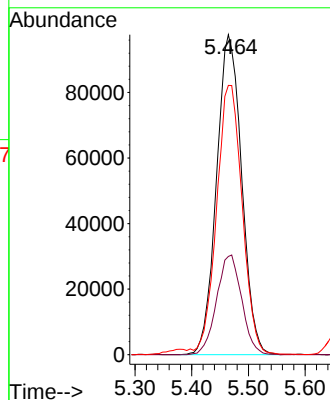
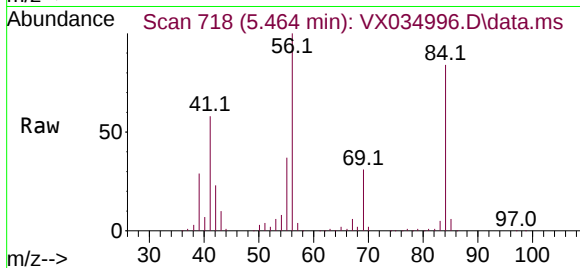
Tgt Ion: 56 Resp: 300351

Ion Ratio Lower Upper

56 100

69 31.0 24.5 36.7

84 85.2 69.4 104.2



#30

1,1,1-Trichloroethane

Concen: 49.273 ug/L

RT: 5.379 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX034996.D

Acq: 10 Apr 2023 16:16

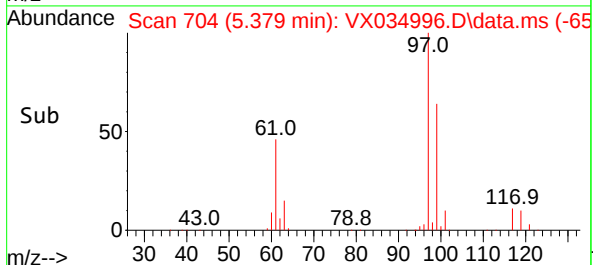
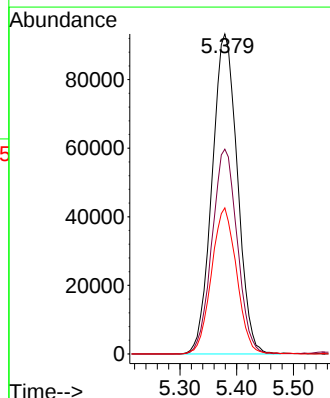
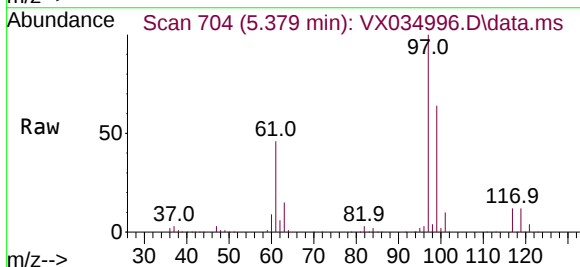
Tgt Ion: 97 Resp: 289130

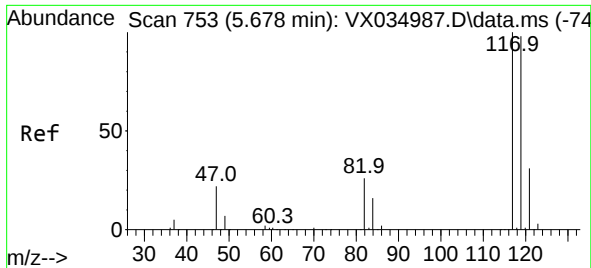
Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.4

61 45.4 36.8 55.2

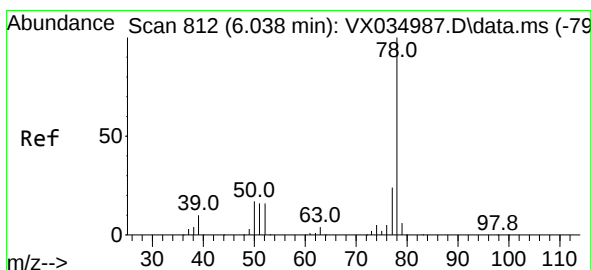
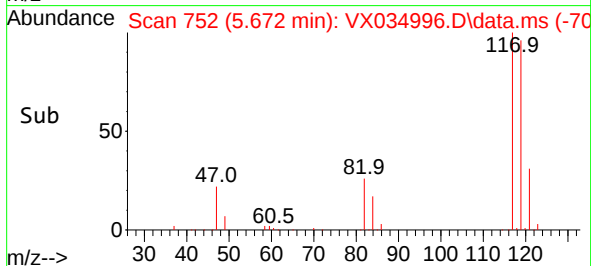
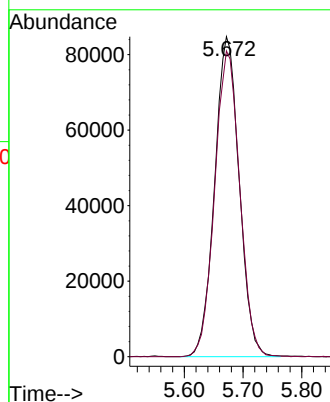
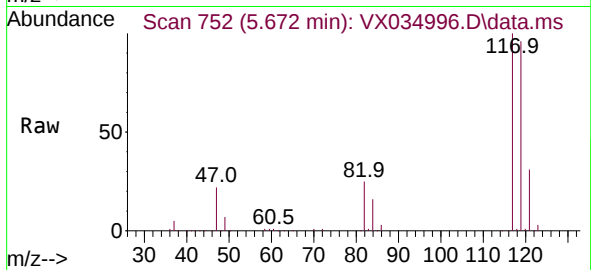




#31
Carbon tetrachloride
Concen: 48.684 ug/L
RT: 5.672 min Scan# 752
Delta R.T. -0.006 min
Lab File: VX034996.D
Acq: 10 Apr 2023 16:16

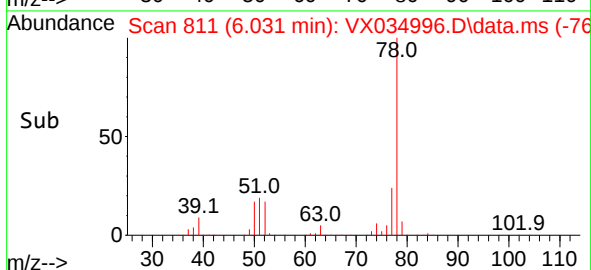
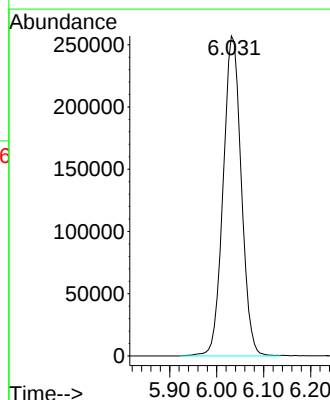
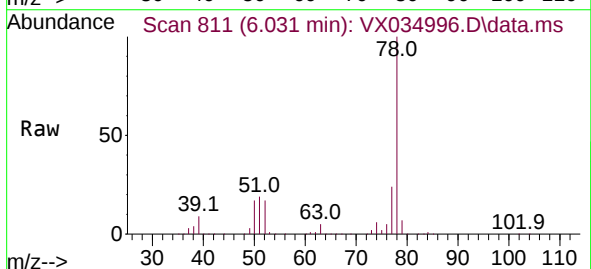
Instrument :
MSVOA_X
ClientSampleId :
VSTD050623

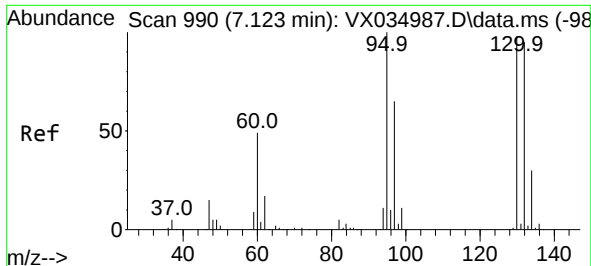
Tgt Ion:117 Resp: 246245
Ion Ratio Lower Upper
117 100
119 97.4 76.7 115.1



#33
Benzene
Concen: 48.791 ug/L
RT: 6.031 min Scan# 811
Delta R.T. -0.006 min
Lab File: VX034996.D
Acq: 10 Apr 2023 16:16

Tgt Ion: 78 Resp: 690484

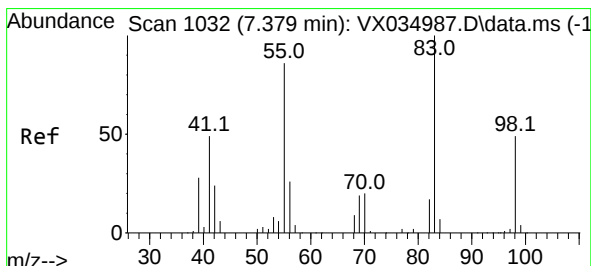
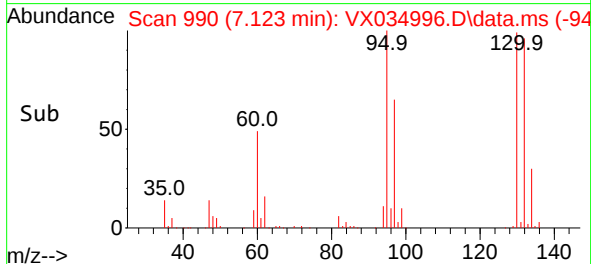
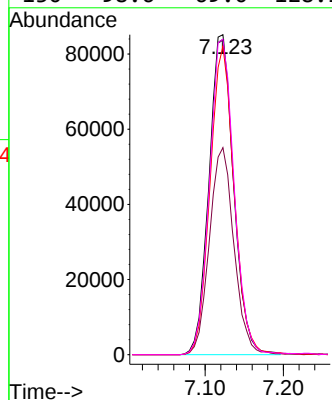
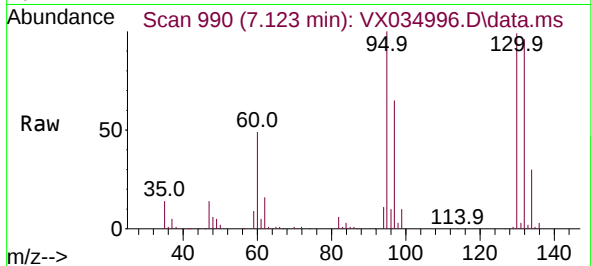




#34
Trichloroethene
Concen: 48.809 ug/L
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX034996.D
Acq: 10 Apr 2023 16:16

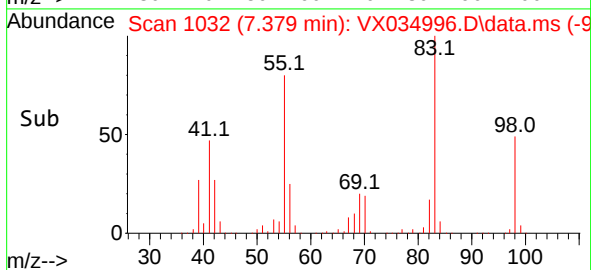
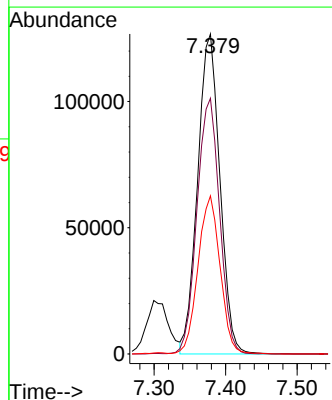
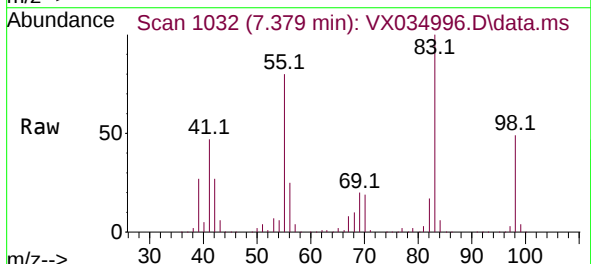
Instrument :
MSVOA_X
ClientSampleId :
VSTD050623

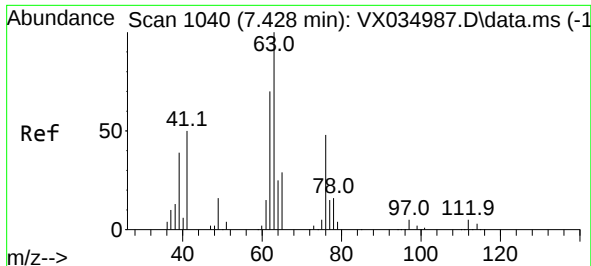
Tgt Ion: 95 Resp: 186230
Ion Ratio Lower Upper
95 100
97 64.7 45.4 84.2
132 96.4 66.8 124.0
130 98.6 69.0 128.1



#35
Methylcyclohexane
Concen: 49.871 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. -0.000 min
Lab File: VX034996.D
Acq: 10 Apr 2023 16:16

Tgt Ion: 83 Resp: 274319
Ion Ratio Lower Upper
83 100
55 81.1 65.0 97.6
98 48.6 38.7 58.1





#37

1,2-Dichloropropane

Concen: 49.190 ug/L

RT: 7.427 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX034996.D

Acq: 10 Apr 2023 16:16

Instrument :

MSVOA_X

ClientSampleId :

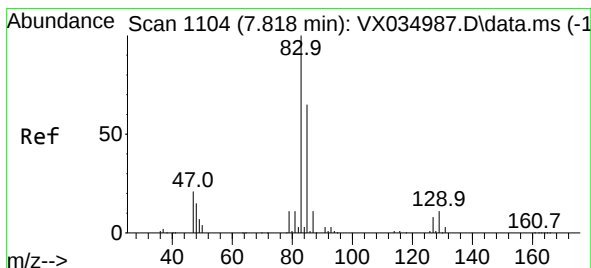
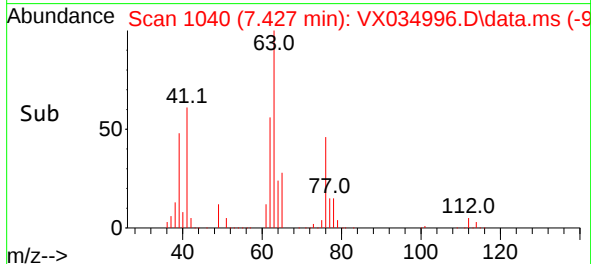
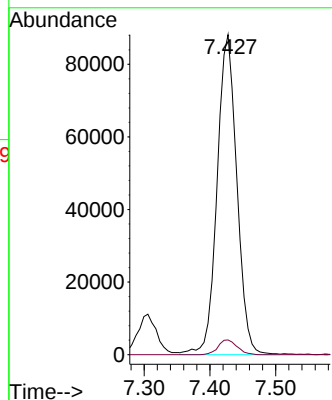
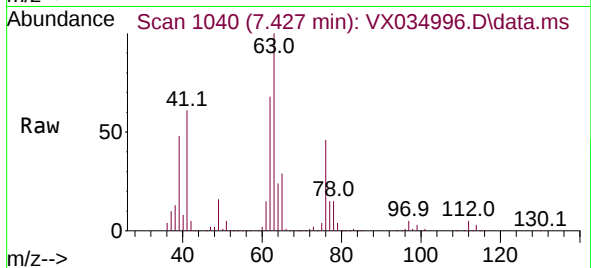
VSTD050623

Tgt Ion: 63 Resp: 184459

Ion Ratio Lower Upper

63 100

112 4.5 3.6 5.4



#38

Bromodichloromethane

Concen: 48.893 ug/L

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX034996.D

Acq: 10 Apr 2023 16:16

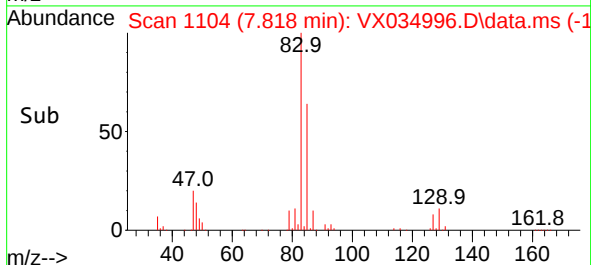
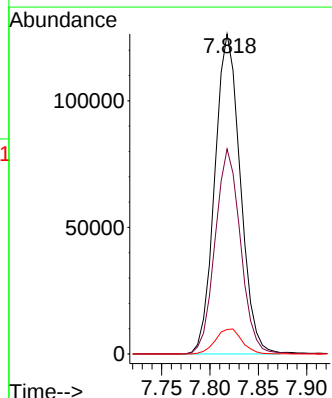
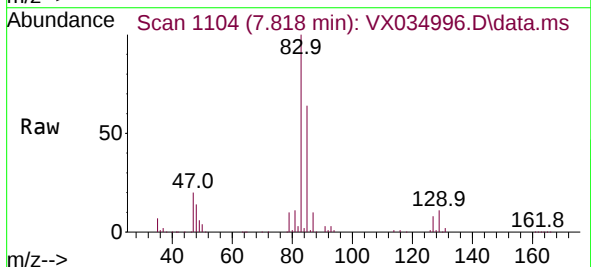
Tgt Ion: 83 Resp: 231971

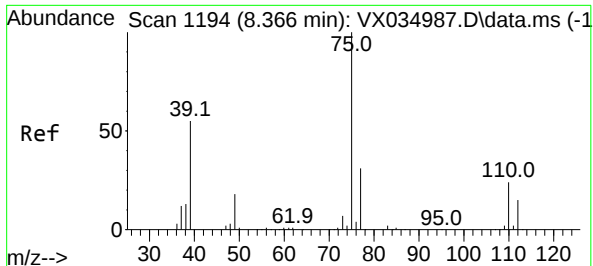
Ion Ratio Lower Upper

83 100

85 64.1 45.6 84.6

127 7.6 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 49.562 ug/L

RT: 8.360 min Scan# 1194

Delta R.T. -0.006 min

Lab File: VX034996.D

Acq: 10 Apr 2023 16:16

Instrument :

MSVOA_X

ClientSampleId :

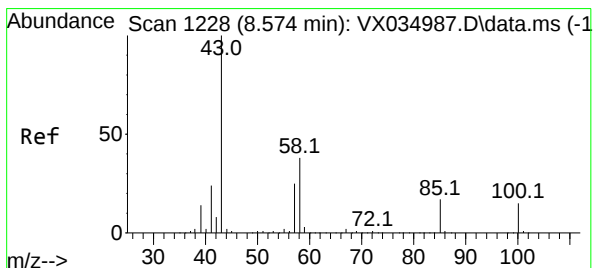
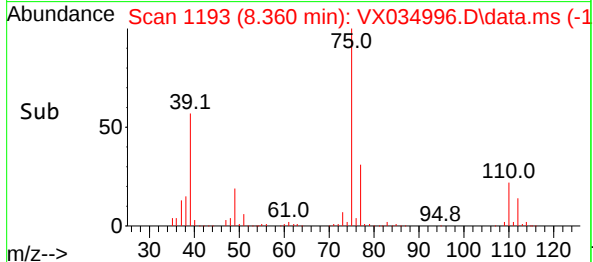
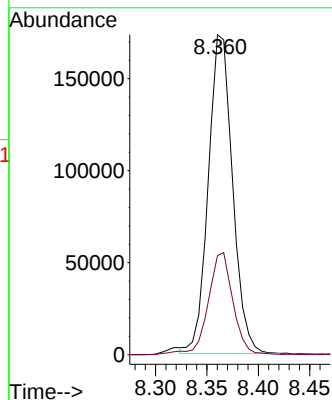
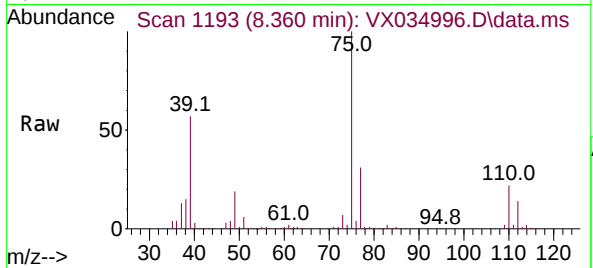
VSTD050623

Tgt Ion: 75 Resp: 284038

Ion Ratio Lower Upper

75 100

77 30.9 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 97.733 ug/L

RT: 8.568 min Scan# 1227

Delta R.T. -0.006 min

Lab File: VX034996.D

Acq: 10 Apr 2023 16:16

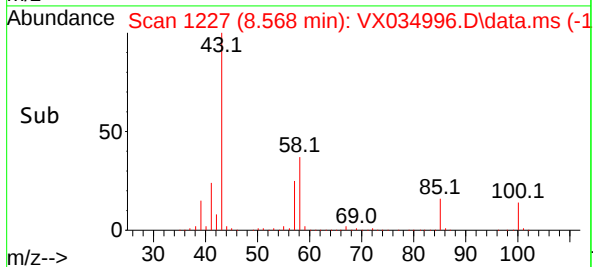
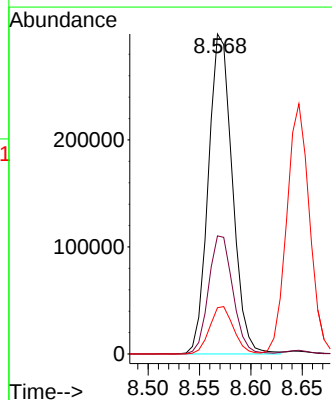
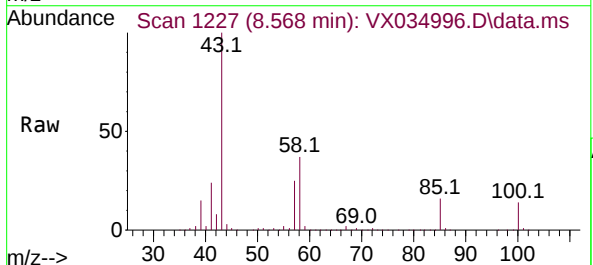
Tgt Ion: 43 Resp: 486983

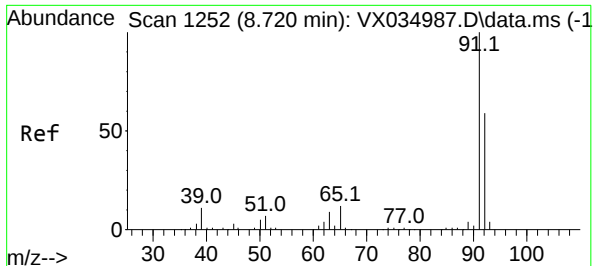
Ion Ratio Lower Upper

43 100

58 37.4 30.1 45.1

100 14.8 11.9 17.9





#42

Toluene

Concen: 49.627 ug/L

RT: 8.714 min Scan# 1251

Delta R.T. -0.006 min

Lab File: VX034996.D

Acq: 10 Apr 2023 16:16

Instrument :

MSVOA_X

ClientSampleId :

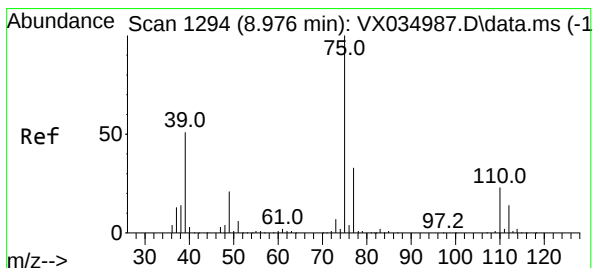
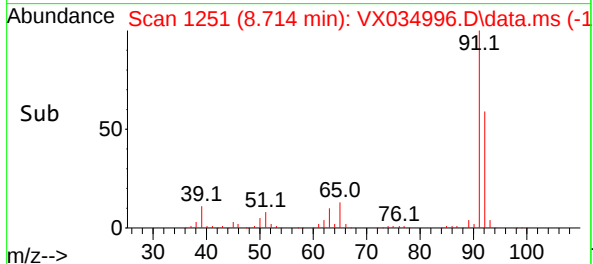
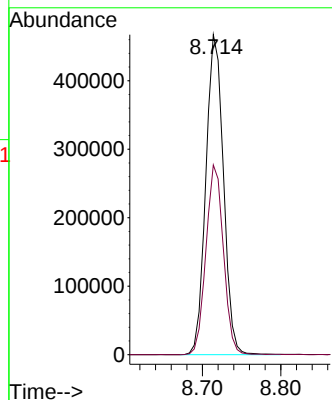
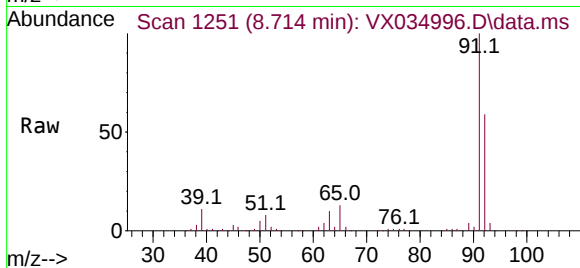
VSTD050623

Tgt Ion: 91 Resp: 727383

Ion Ratio Lower Upper

91 100

92 59.3 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 50.667 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX034996.D

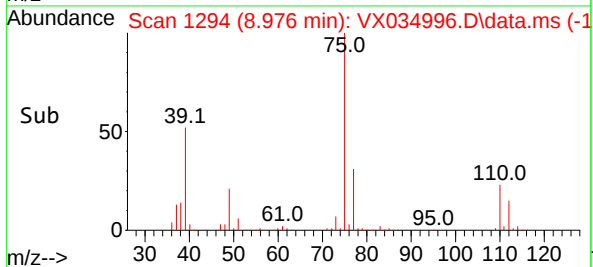
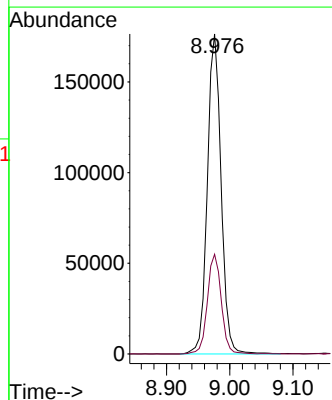
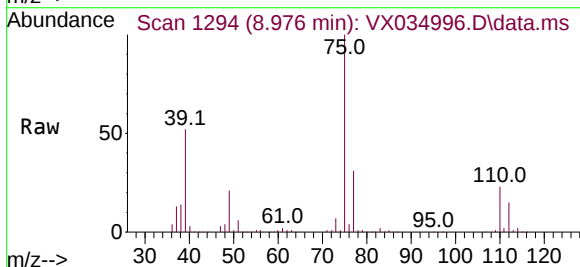
Acq: 10 Apr 2023 16:16

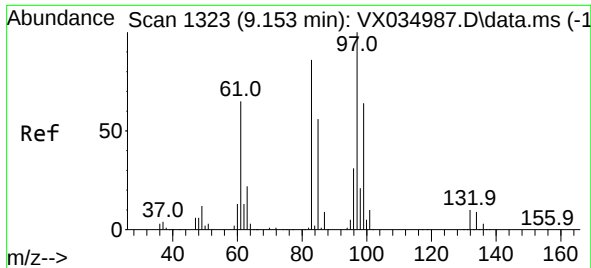
Tgt Ion: 75 Resp: 267323

Ion Ratio Lower Upper

75 100

77 31.2 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 49.738 ug/L

RT: 9.147 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX034996.D

Acq: 10 Apr 2023 16:16

Instrument :

MSVOA_X

ClientSampleId :

VSTD050623

Tgt Ion: 97 Resp: 173923

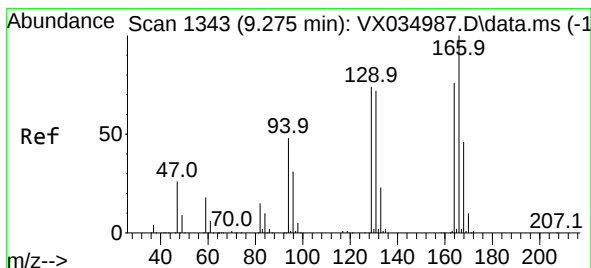
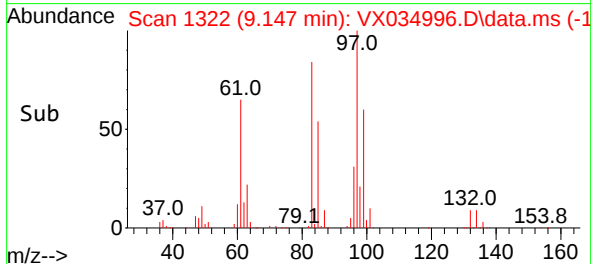
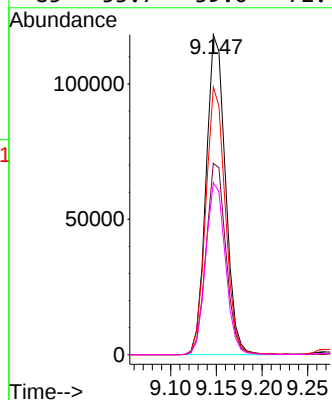
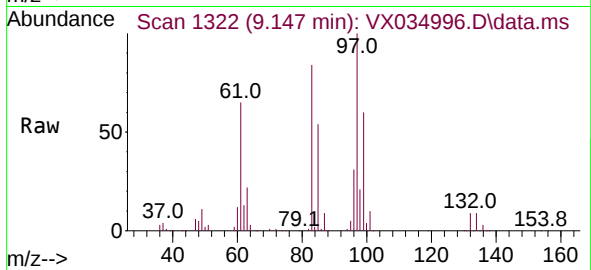
Ion Ratio Lower Upper

97 100

99 59.8 44.8 83.2

83 83.6 60.5 112.3

85 53.7 39.0 72.4



#46

Tetrachloroethene

Concen: 49.168 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VX034996.D

Acq: 10 Apr 2023 16:16

Tgt Ion:164 Resp: 139757

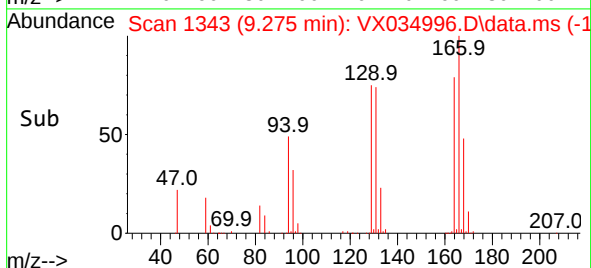
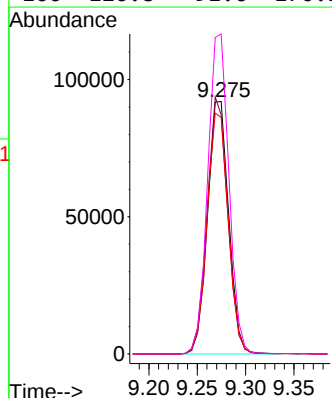
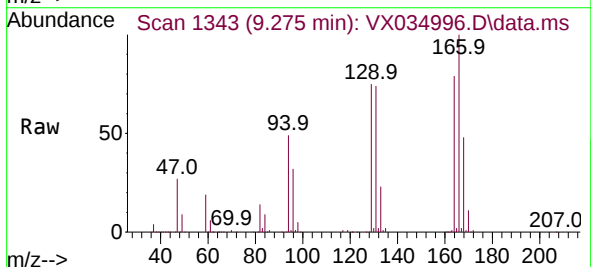
Ion Ratio Lower Upper

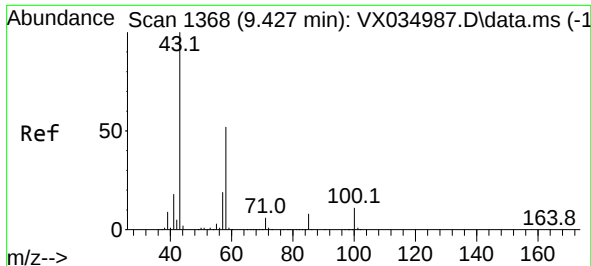
164 100

129 94.7 67.7 125.7

131 93.7 65.8 122.2

166 126.8 91.6 170.2

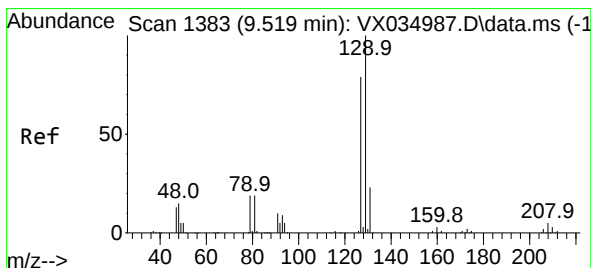
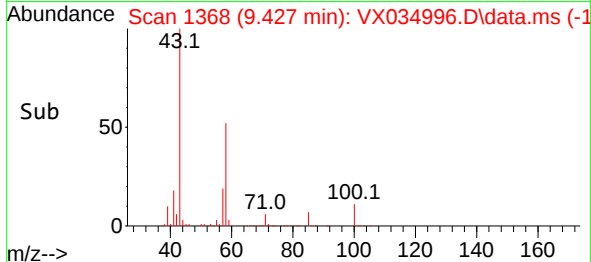
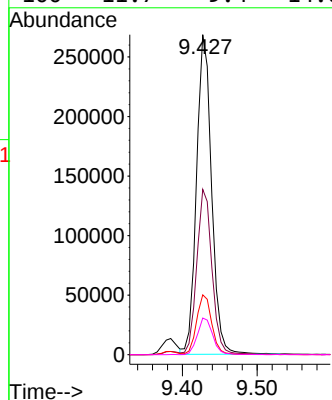
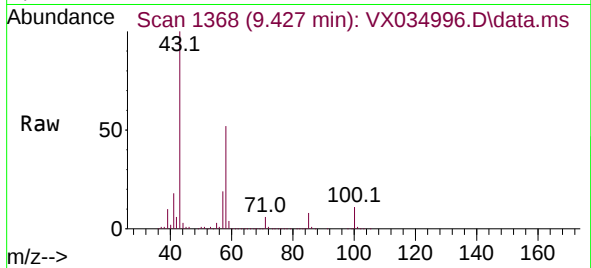




#48
2-Hexanone
Concen: 96.126 ug/L
RT: 9.427 min Scan# 1368
Delta R.T. -0.000 min
Lab File: VX034996.D
Acq: 10 Apr 2023 16:16

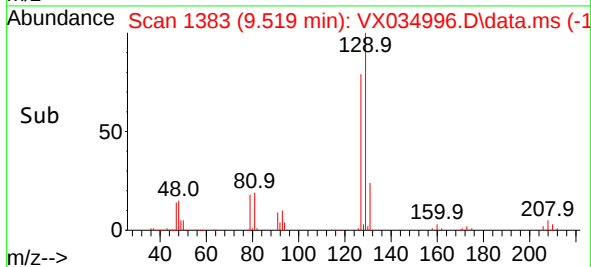
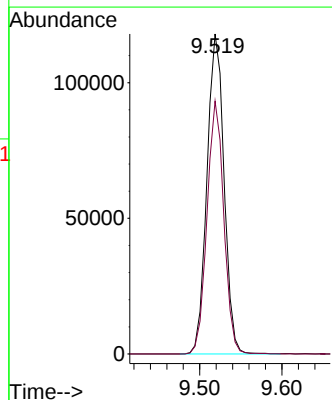
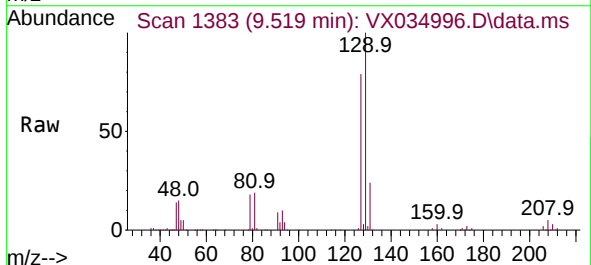
Instrument :
MSVOA_X
ClientSampleId :
VSTD050623

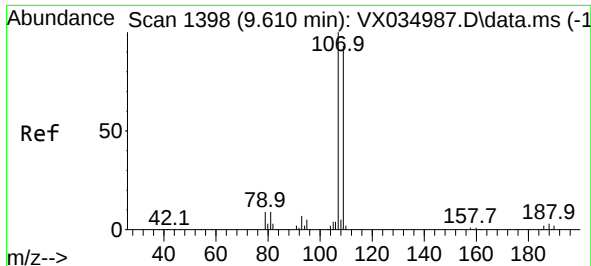
Tgt Ion: 43 Resp: 375440
Ion Ratio Lower Upper
43 100
58 52.4 42.1 63.1
57 18.7 15.0 22.6
100 11.7 9.4 14.0



#49
Dibromochloromethane
Concen: 49.571 ug/L
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX034996.D
Acq: 10 Apr 2023 16:16

Tgt Ion: 129 Resp: 170498
Ion Ratio Lower Upper
129 100
127 79.0 55.0 102.2





#50

1,2-Dibromoethane

Concen: 49.245 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VX034996.D

Acq: 10 Apr 2023 16:16

Instrument :

MSVOA_X

ClientSampleId :

VSTD050623

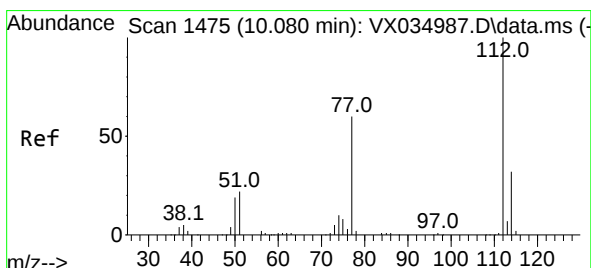
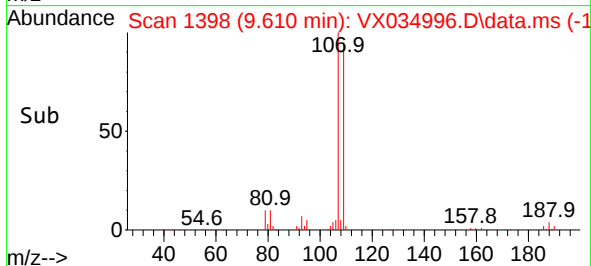
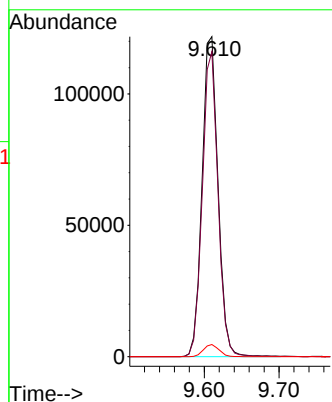
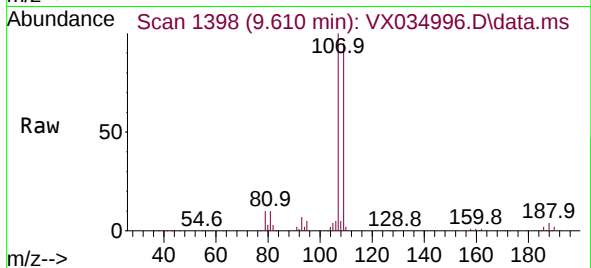
Tgt Ion:107 Resp: 180709

Ion Ratio Lower Upper

107 100

109 95.4 65.4 121.4

188 3.8 2.7 4.1



#51

Chlorobenzene

Concen: 49.201 ug/L

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX034996.D

Acq: 10 Apr 2023 16:16

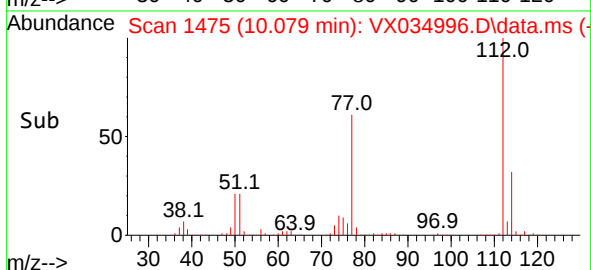
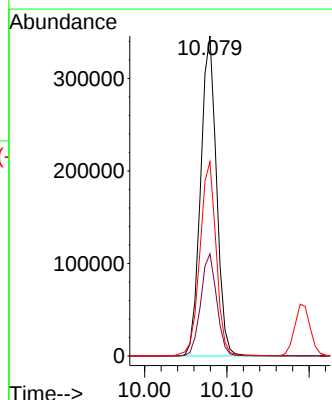
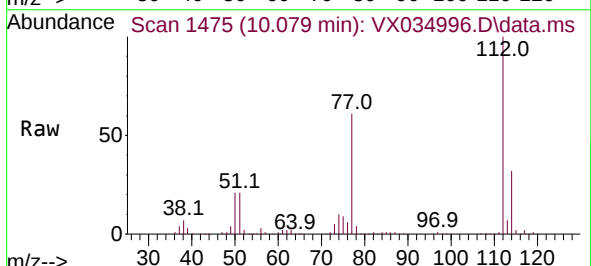
Tgt Ion:112 Resp: 464804

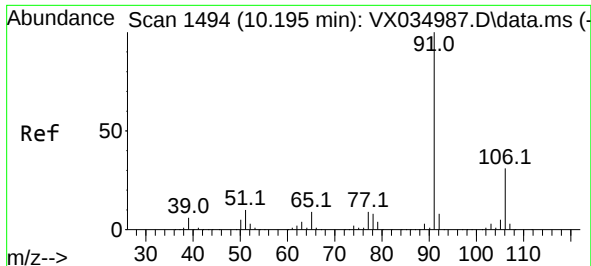
Ion Ratio Lower Upper

112 100

114 31.9 22.6 42.0

77 60.7 48.8 73.2





#52

Ethylbenzene

Concen: 49.893 ug/L

RT: 10.189 min Scan# 1493

Delta R.T. -0.006 min

Lab File: VX034996.D

Acq: 10 Apr 2023 16:16

Instrument :

MSVOA_X

ClientSampleId :

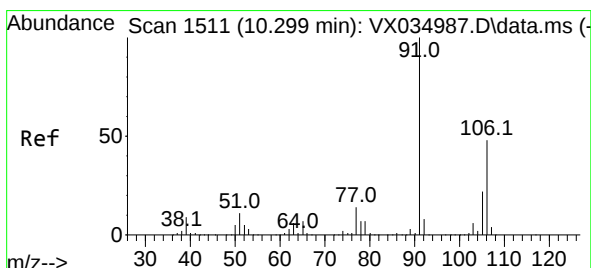
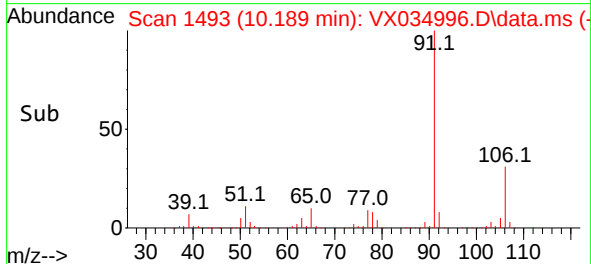
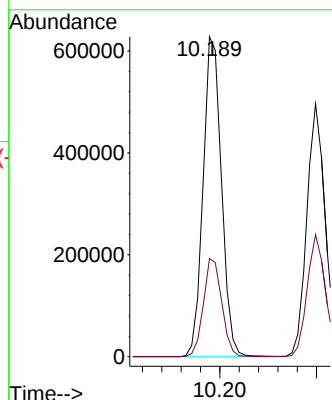
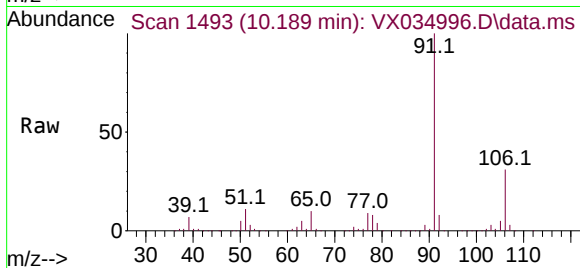
VSTD050623

Tgt Ion: 91 Resp: 829880

Ion Ratio Lower Upper

91 100

106 30.7 21.3 39.6



#53

m,p-Xylene

Concen: 50.048 ug/L

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX034996.D

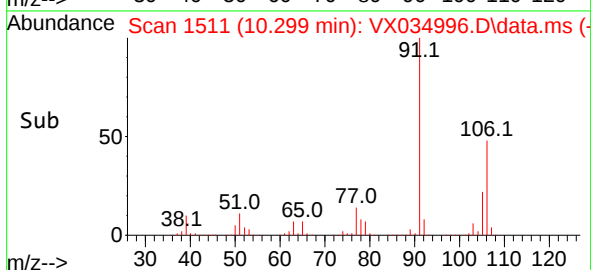
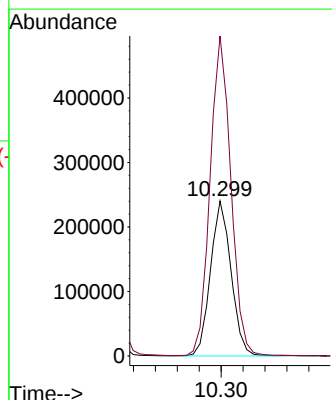
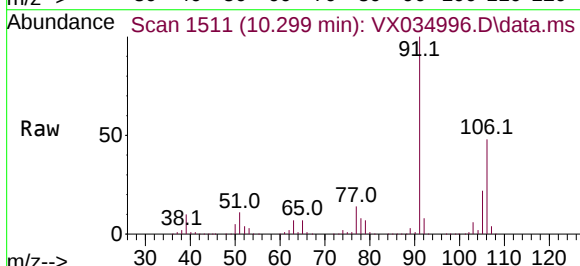
Acq: 10 Apr 2023 16:16

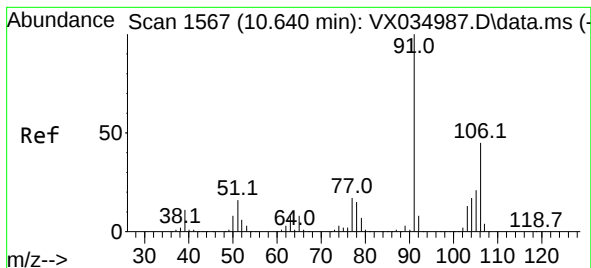
Tgt Ion: 106 Resp: 313654

Ion Ratio Lower Upper

106 100

91 206.7 146.4 272.0





#54

o-Xylene

Concen: 49.714 ug/L

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX034996.D

Acq: 10 Apr 2023 16:16

Instrument :

MSVOA_X

ClientSampleId :

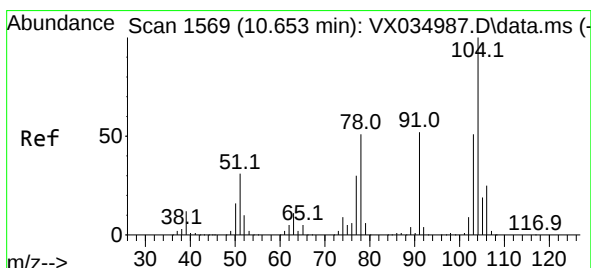
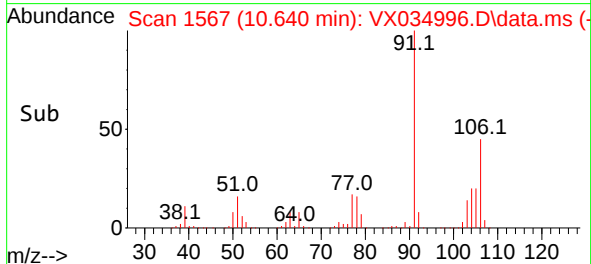
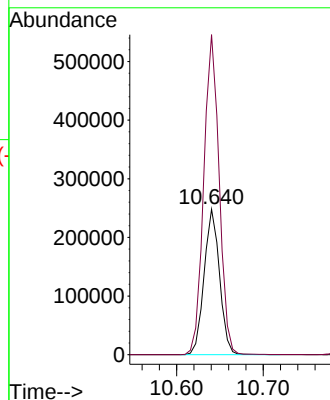
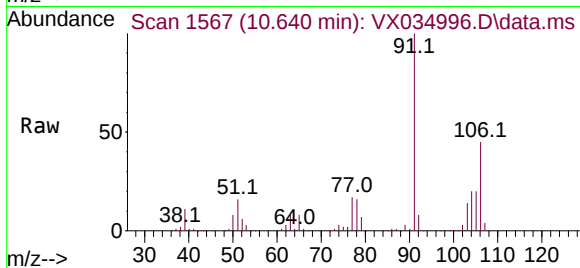
VSTD050623

Tgt Ion:106 Resp: 306977

Ion Ratio Lower Upper

106 100

91 220.1 154.0 286.0



#55

Styrene

Concen: 50.242 ug/L

RT: 10.653 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX034996.D

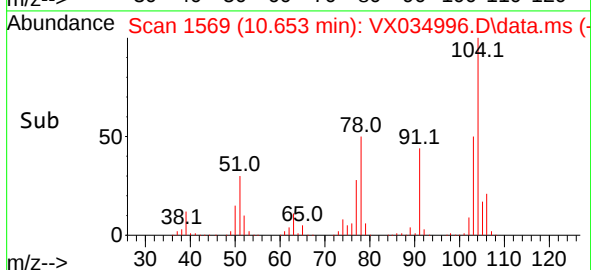
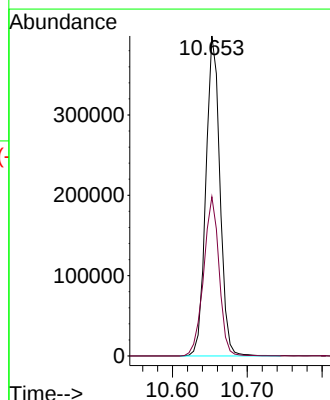
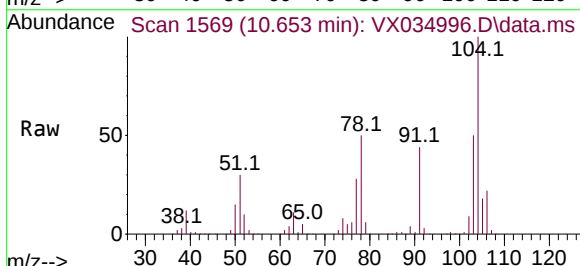
Acq: 10 Apr 2023 16:16

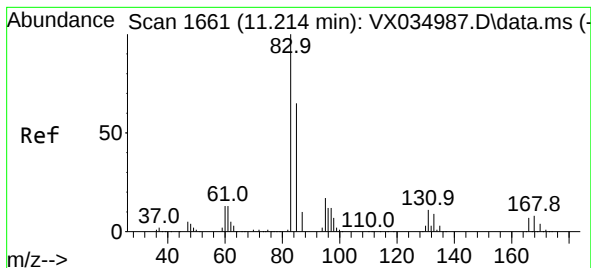
Tgt Ion:104 Resp: 520144

Ion Ratio Lower Upper

104 100

78 49.8 35.4 65.8





#57

1,1,2,2-Tetrachloroethane

Concen: 49.082 ug/L

RT: 11.213 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX034996.D

Acq: 10 Apr 2023 16:16

Instrument :

MSVOA_X

ClientSampleId :

VSTD050623

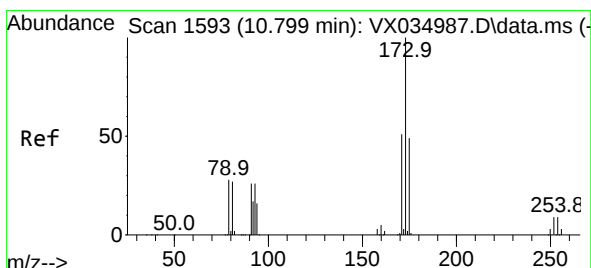
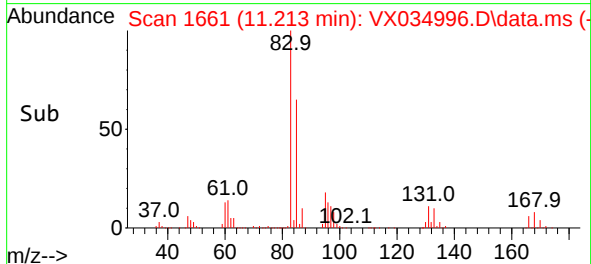
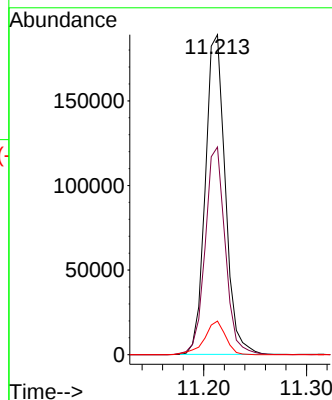
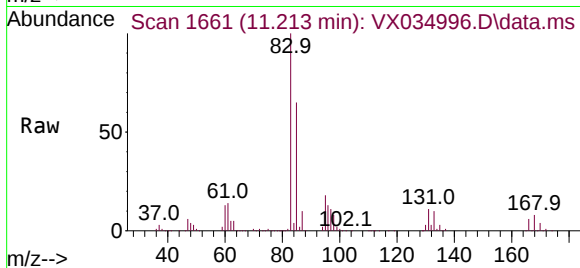
Tgt Ion: 83 Resp: 254849

Ion Ratio Lower Upper

83 100

85 64.9 45.5 84.5

131 10.5 8.6 12.8



#59

Bromoform

Concen: 47.843 ug/L

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX034996.D

Acq: 10 Apr 2023 16:16

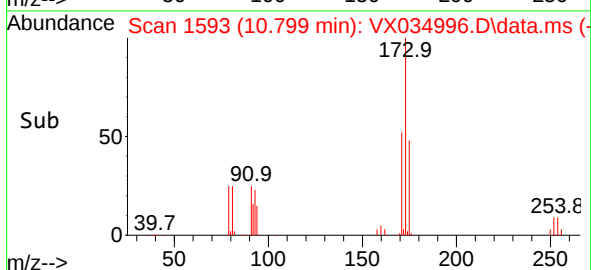
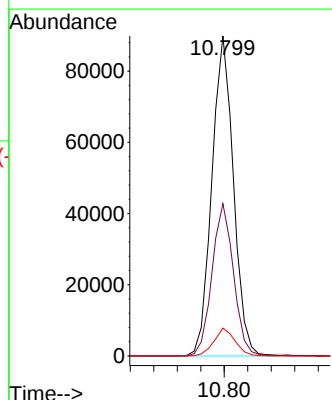
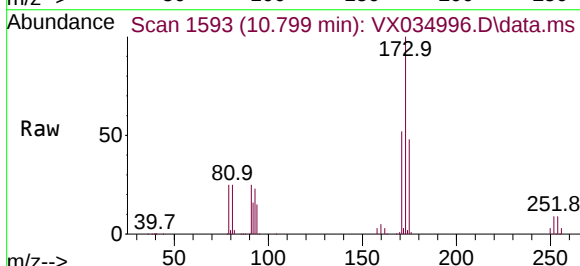
Tgt Ion:173 Resp: 114680

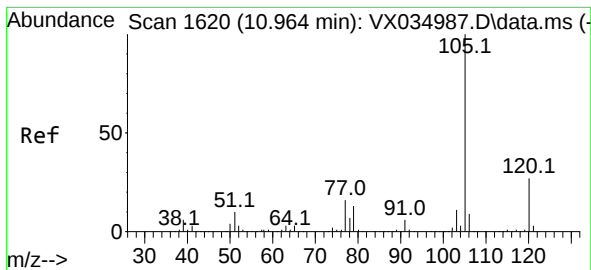
Ion Ratio Lower Upper

173 100

175 47.3 39.0 58.4

254 8.5 7.3 10.9





#60

Isopropylbenzene

Concen: 49.965 ug/L

RT: 10.963 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX034996.D

Acq: 10 Apr 2023 16:16

Instrument :

MSVOA_X

ClientSampleId :

VSTD050623

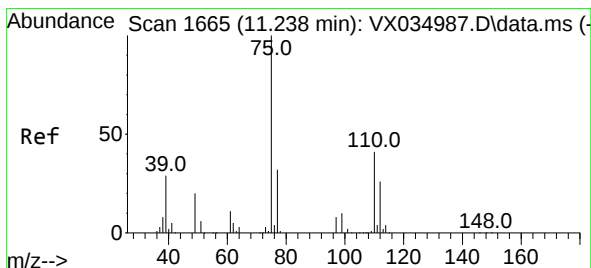
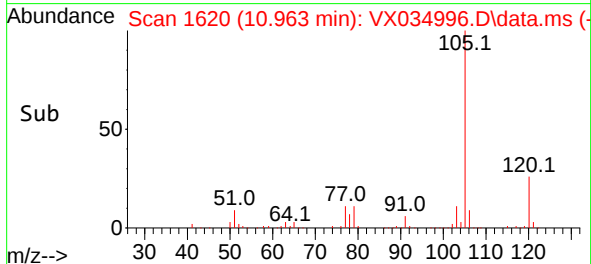
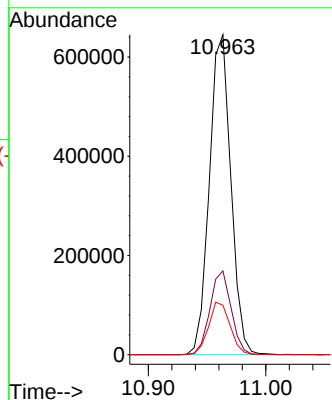
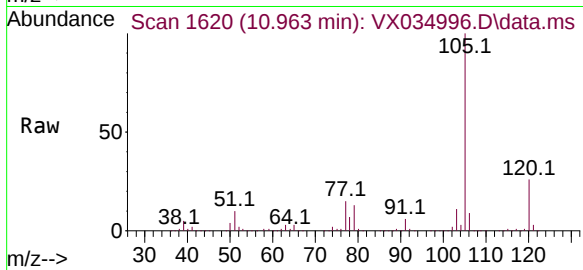
Tgt Ion:105 Resp: 820346

Ion Ratio Lower Upper

105 100

120 25.9 21.1 31.7

77 16.5 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 47.051 ug/L

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX034996.D

Acq: 10 Apr 2023 16:16

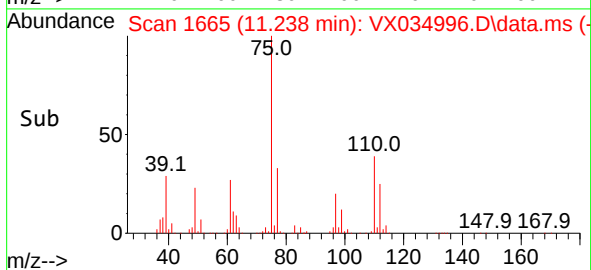
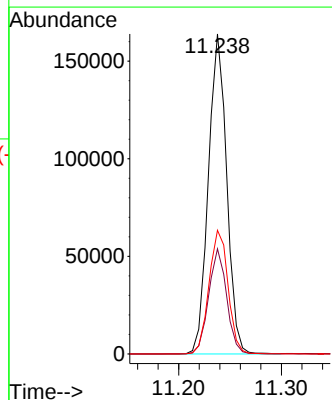
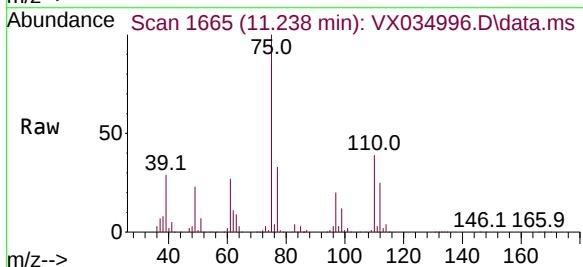
Tgt Ion: 75 Resp: 202830

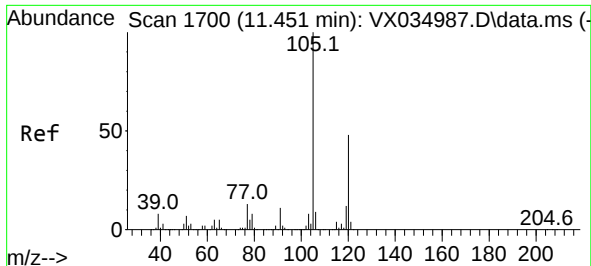
Ion Ratio Lower Upper

75 100

77 32.4 25.3 37.9

110 40.1 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 50.428 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX034996.D

Acq: 10 Apr 2023 16:16

Instrument :

MSVOA_X

ClientSampleId :

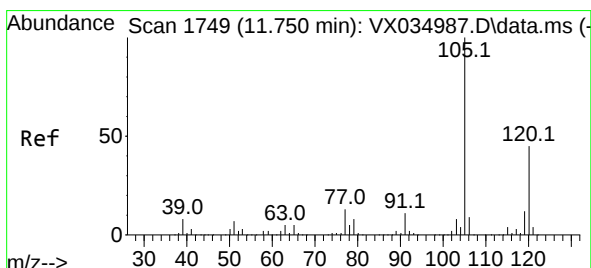
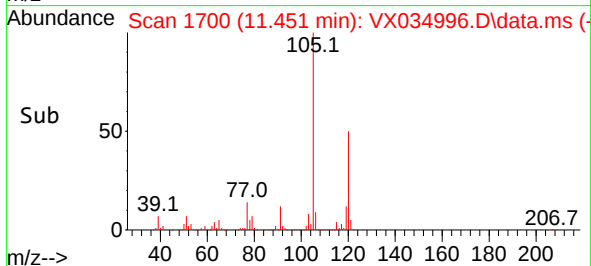
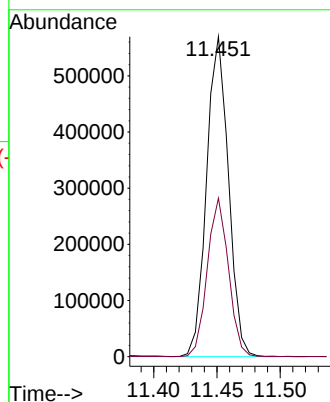
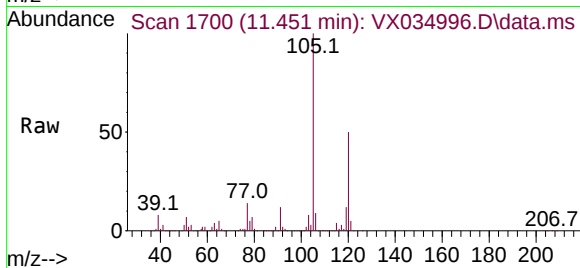
VSTD050623

Tgt Ion:105 Resp: 686476

Ion Ratio Lower Upper

105 100

120 47.9 38.0 57.0



#63

1,2,4-Trimethylbenzene

Concen: 50.406 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX034996.D

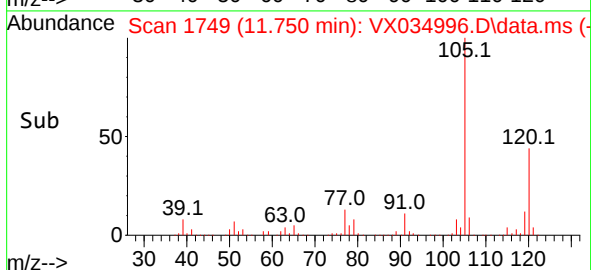
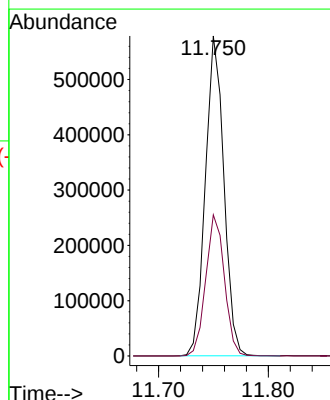
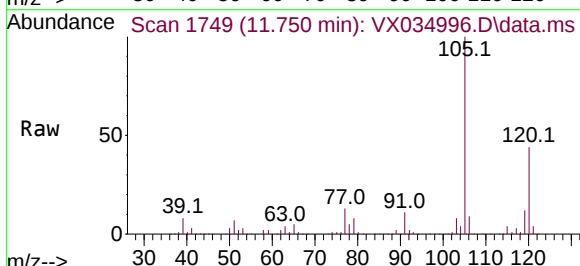
Acq: 10 Apr 2023 16:16

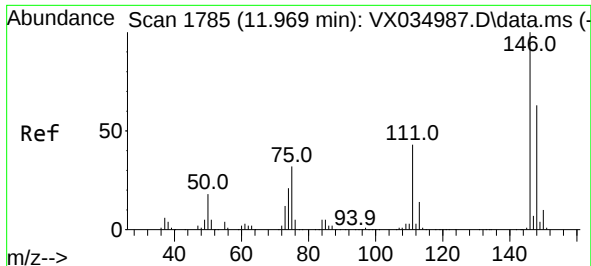
Tgt Ion:105 Resp: 677530

Ion Ratio Lower Upper

105 100

120 44.5 35.6 53.4

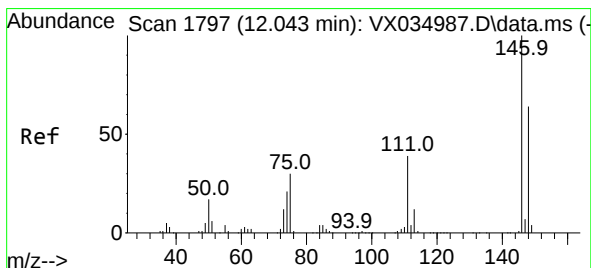
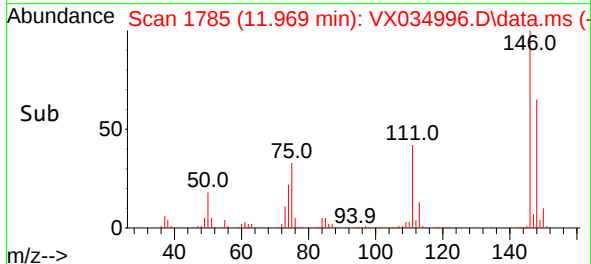
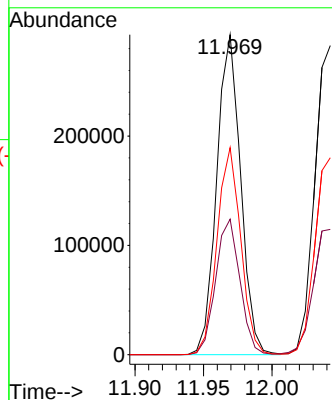
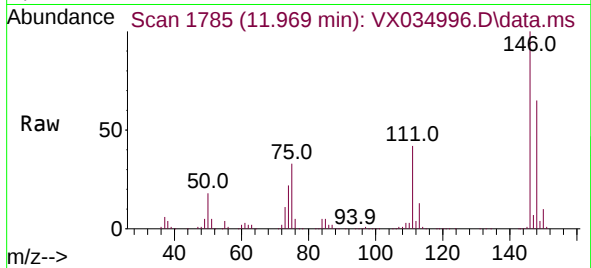




#64
1,3-Dichlorobenzene
Concen: 48.577 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX034996.D
Acq: 10 Apr 2023 16:16

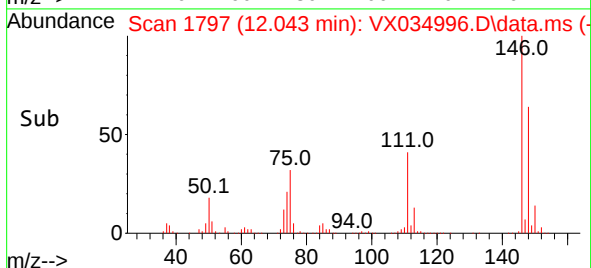
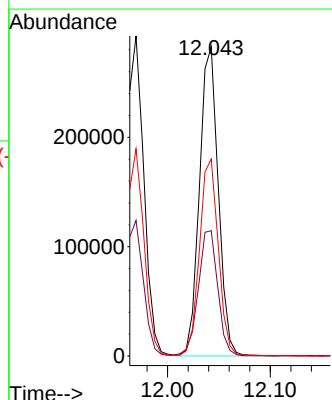
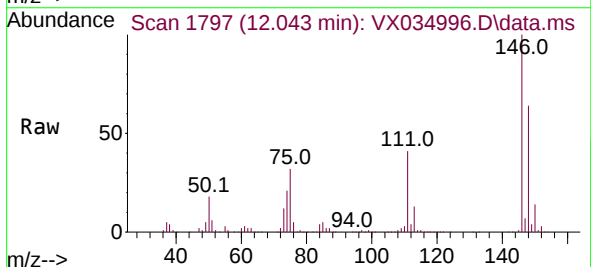
Instrument :
MSVOA_X
ClientSampleId :
VSTD050623

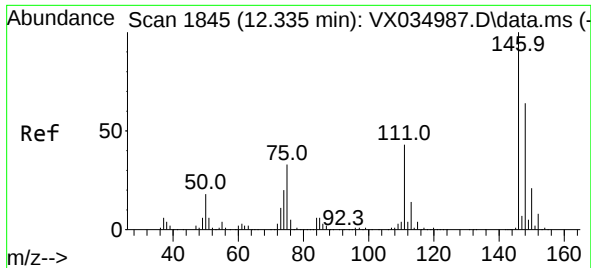
Tgt Ion:146 Resp: 355287
Ion Ratio Lower Upper
146 100
111 42.3 30.3 56.3
148 64.7 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 48.777 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX034996.D
Acq: 10 Apr 2023 16:16

Tgt Ion:146 Resp: 360712
Ion Ratio Lower Upper
146 100
111 40.5 27.5 51.1
148 63.7 44.4 82.4

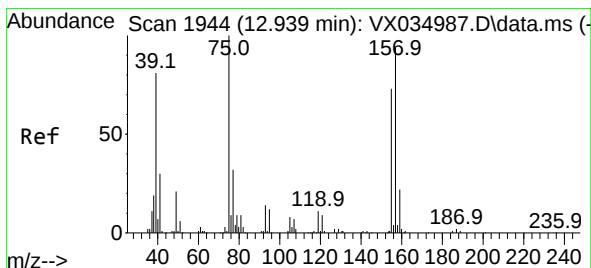
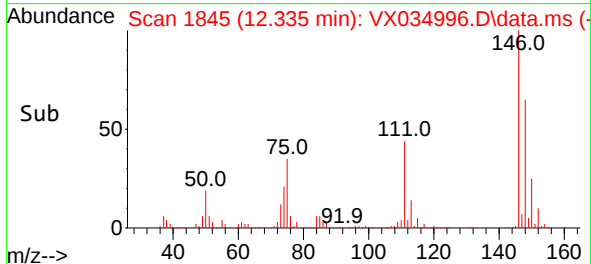
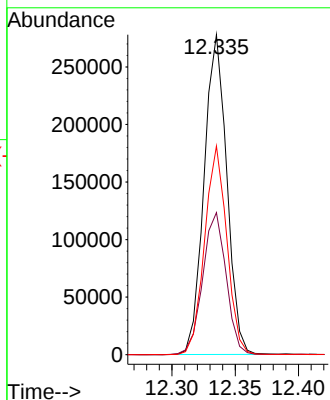
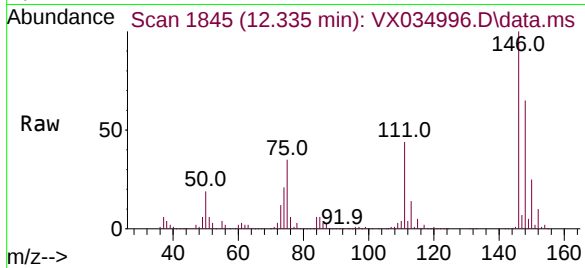




#67
1,2-Dichlorobenzene
Concen: 48.133 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX034996.D
Acq: 10 Apr 2023 16:16

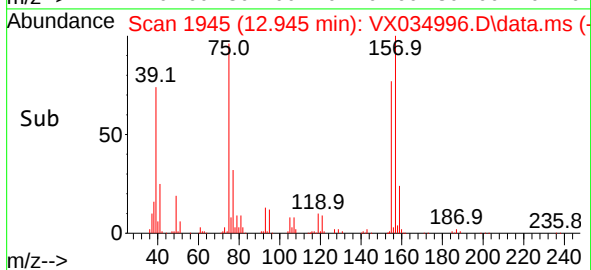
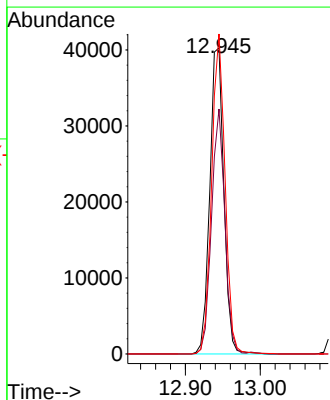
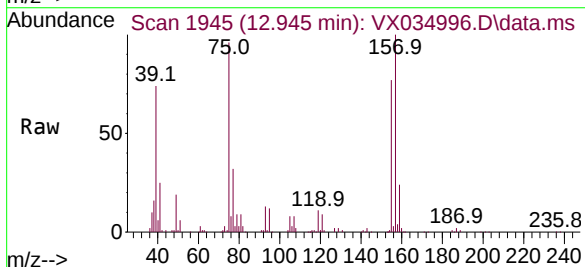
Instrument :
MSVOA_X
ClientSampleId :
VSTD050623

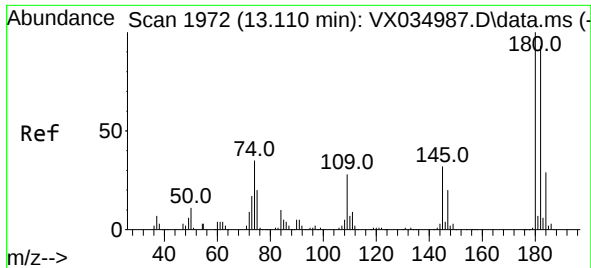
Tgt Ion:146 Resp: 346816
Ion Ratio Lower Upper
146 100
111 44.4 34.4 51.6
148 65.2 51.0 76.4



#68
1,2-Dibromo-3-chloropropane
Concen: 47.750 ug/L
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX034996.D
Acq: 10 Apr 2023 16:16

Tgt Ion: 75 Resp: 52695
Ion Ratio Lower Upper
75 100
155 80.0 58.0 87.0
157 104.5 75.3 112.9

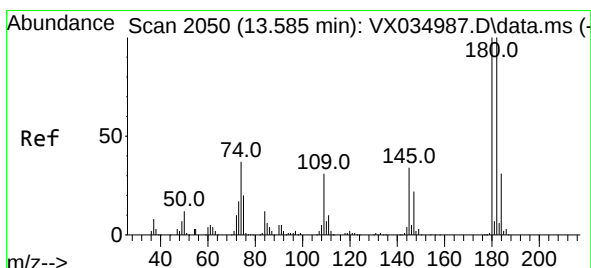
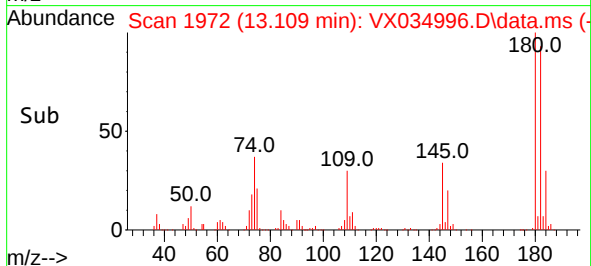
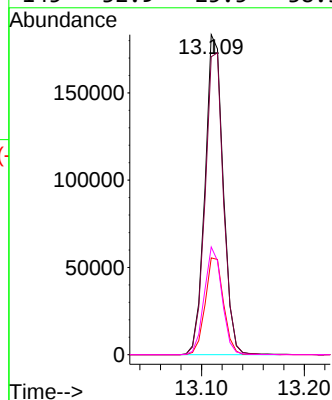
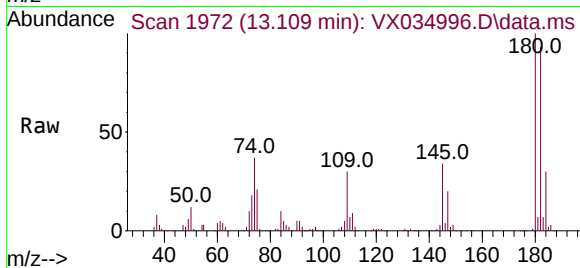




#69
1,3,5-Trichlorobenzene
Concen: 49.306 ug/L
RT: 13.109 min Scan# 1972
Delta R.T. -0.000 min
Lab File: VX034996.D
Acq: 10 Apr 2023 16:16

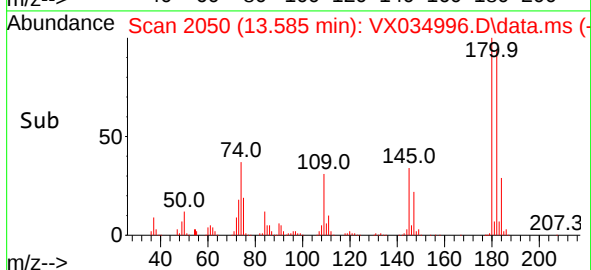
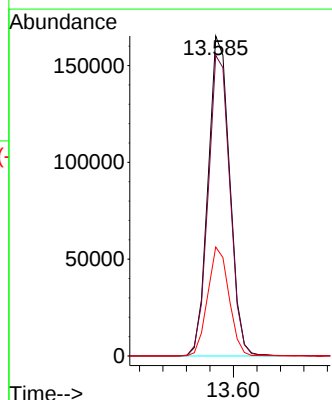
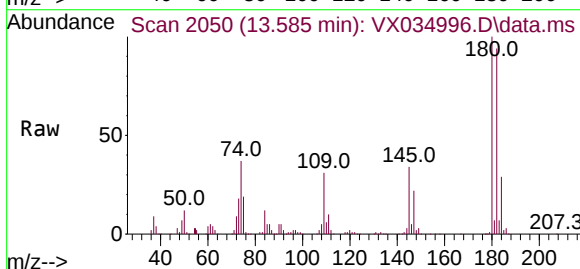
Instrument :
MSVOA_X
ClientSampleId :
VSTD050623

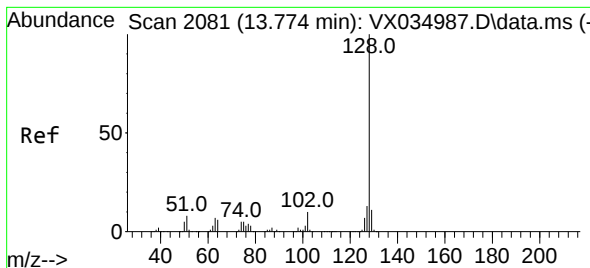
Tgt Ion:180	Resp: 225579
Ion Ratio	Lower Upper
180 100	
182 95.4	76.8 115.2
184 30.6	23.8 35.8
145 32.9	25.5 38.3



#70
1,2,4-trichlorobenzene
Concen: 49.518 ug/L
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX034996.D
Acq: 10 Apr 2023 16:16

Tgt Ion:180	Resp: 210729
Ion Ratio	Lower Upper
180 100	
182 94.2	77.0 115.4
145 33.6	26.7 40.1





#71

Naphthalene

Concen: 50.270 ug/L

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX034996.D

Acq: 10 Apr 2023 16:16

Instrument :

MSVOA_X

ClientSampleId :

VSTD050623

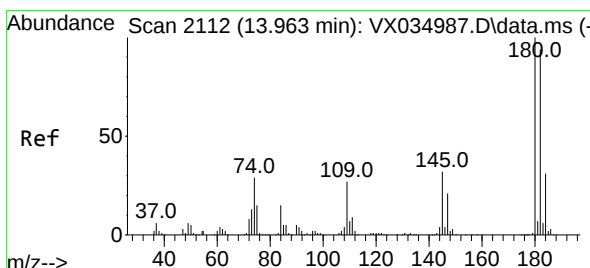
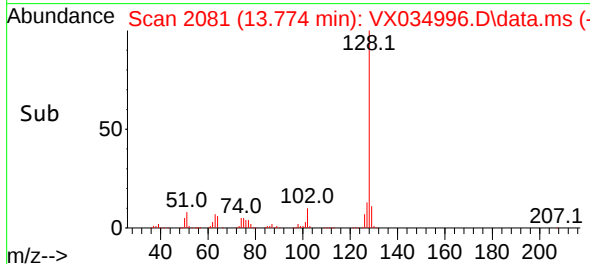
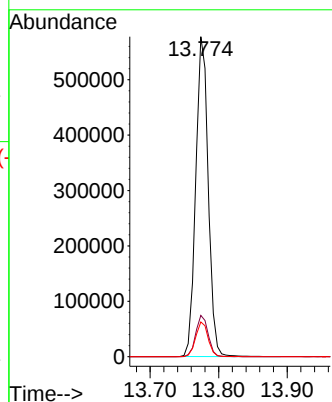
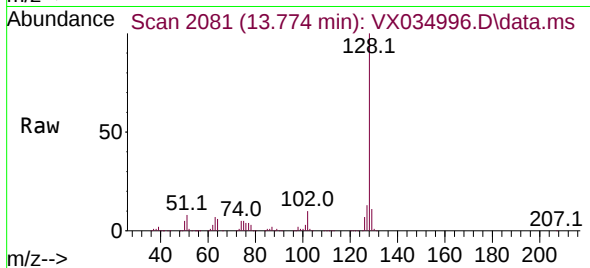
Tgt Ion:128 Resp: 731038

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 10.8 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 48.804 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX034996.D

Acq: 10 Apr 2023 16:16

Tgt Ion:180 Resp: 208553

Ion Ratio Lower Upper

180 100

182 96.0 76.6 114.8

145 35.5 28.0 42.0

