

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122023\
 Data File : VX039386.D
 Acq On : 20 Dec 2023 08:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050713

Quant Time: Dec 21 00:23:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML120523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 20 00:14:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	205520	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	196304	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	98032	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	74636	46.301	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.600%
7) Chloroethane-d5	1.666	69	54412	45.667	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.340%
11) 1,1-Dichloroethene-d2	2.306	65	34546	48.821	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.640%
21) 2-Butanone-d5	4.440	46	136450	93.512	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.510%
24) Chloroform-d	5.050	84	144367	50.591	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.180%
26) 1,2-Dichloroethane-d4	5.946	65	98945	53.540	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.080%
32) Benzene-d6	5.970	84	281613	46.484	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.960%
36) 1,2-Dichloropropane-d6	7.299	67	90803	46.573	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.140%
41) Toluene-d8	8.647	98	252961	46.075	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.140%
43) trans-1,3-Dichloroprop...	8.945	79	44934	45.289	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.580%
47) 2-Hexanone-d5	9.378	63	102255	87.811	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.810%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	133023	48.095	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.200%
66) 1,2-Dichlorobenzene-d4	12.317	152	87762	47.363	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	96751	59.031	ug/L	98
3) Chloromethane	1.294	50	95901	55.981	ug/L	98
5) Vinyl chloride	1.374	62	90748	53.748	ug/L	97
6) Bromomethane	1.605	94	53495	58.700	ug/L	100
8) Chloroethane	1.691	64	53191	55.725	ug/L	98
9) Trichlorofluoromethane	1.892	101	131398	60.049	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	85704	60.889	ug/L	97
12) 1,1-Dichloroethene	2.319	96	75056	56.689	ug/L	91
13) Acetone	2.367	43	156304	111.504	ug/L	96
14) Carbon disulfide	2.514	76	215047	51.042	ug/L	100
15) Methyl Acetate	2.697	43	111617	55.708	ug/L	98
16) Methylene chloride	2.788	84	87360	57.430	ug/L	99
17) trans-1,2-Dichloroethene	3.087	96	77422	55.500	ug/L	93
18) Methyl tert-butyl Ether	3.105	73	279359	57.532	ug/L	97
19) 1,1-Dichloroethane	3.605	63	157571	57.126	ug/L	97
20) cis-1,2-Dichloroethene	4.483	96	90008	55.628	ug/L	97
22) 2-Butanone	4.544	43	177834	103.371	ug/L	99
23) Bromochloromethane	4.891	128	41961	55.167	ug/L	95
25) Chloroform	5.086	83	165086	60.005	ug/L	99

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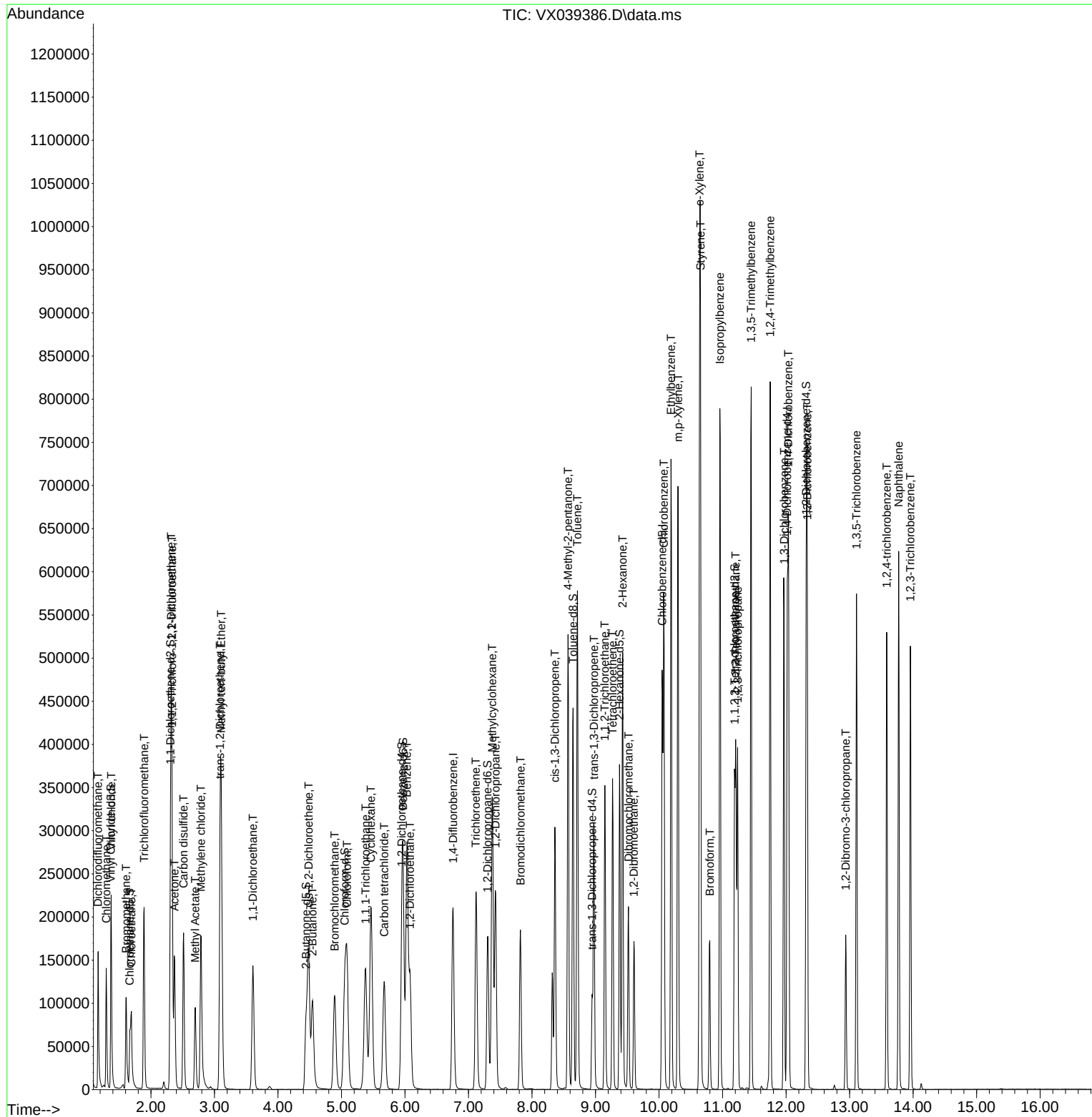
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.080	62	135427	62.368	ug/L #	94
29) Cyclohexane	5.464	56	147707	53.789	ug/L	97
30) 1,1,1-Trichloroethane	5.379	97	136187	57.178	ug/L	97
31) Carbon tetrachloride	5.672	117	110888	55.802	ug/L	98
33) Benzene	6.031	78	338308	54.230	ug/L	100
34) Trichloroethene	7.117	95	92524	56.121	ug/L	94
35) Methylcyclohexane	7.373	83	147626	53.765	ug/L	97
37) 1,2-Dichloropropane	7.427	63	91791	53.054	ug/L	99
38) Bromodichloromethane	7.818	83	118004	56.076	ug/L #	95
39) cis-1,3-Dichloropropene	8.360	75	146596	53.126	ug/L	97
40) 4-Methyl-2-pentanone	8.567	43	314794	108.562	ug/L	97
42) Toluene	8.714	91	359029	54.272	ug/L	98
44) trans-1,3-Dichloropropene	8.976	75	140371	54.817	ug/L	100
45) 1,1,2-Trichloroethane	9.147	97	88408	55.759	ug/L	98
46) Tetrachloroethene	9.269	164	58752	54.022	ug/L	97
48) 2-Hexanone	9.427	43	263233	108.464	ug/L	97
49) Dibromochloromethane	9.518	129	84164	54.487	ug/L	100
50) 1,2-Dibromoethane	9.604	107	92540	54.479	ug/L	98
51) Chlorobenzene	10.073	112	227093	55.575	ug/L	95
52) Ethylbenzene	10.189	91	414572	56.056	ug/L	99
53) m,p-Xylene	10.299	106	150841	54.551	ug/L	97
54) o-Xylene	10.640	106	146773	55.317	ug/L	99
55) Styrene	10.652	104	254840	56.134	ug/L	95
57) 1,1,2,2-Tetrachloroethane	11.207	83	149677	54.092	ug/L	97
59) Bromoform	10.799	173	57307	49.740	ug/L	98
60) Isopropylbenzene	10.957	105	404598	56.482	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	118532	55.196	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	343420	56.786	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	338252	57.041	ug/L	97
64) 1,3-Dichlorobenzene	11.969	146	169368	55.240	ug/L	97
65) 1,4-Dichlorobenzene	12.036	146	171381	55.161	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	162284	55.332	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.939	75	35625	53.154	ug/L	96
69) 1,3,5-Trichlorobenzene	13.109	180	113654	56.052	ug/L	98
70) 1,2,4-trichlorobenzene	13.585	180	104124	54.472	ug/L	99
71) Naphthalene	13.774	128	351620	53.637	ug/L	100
72) 1,2,3-Trichlorobenzene	13.957	180	101966	55.092	ug/L	99

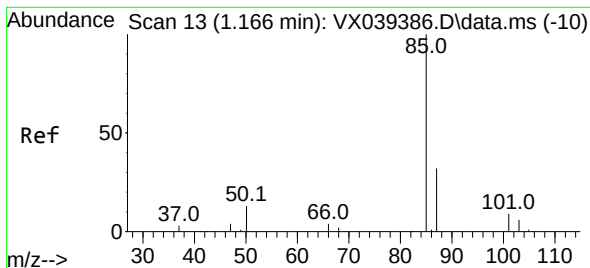
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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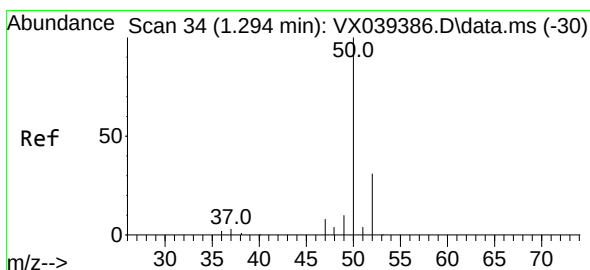
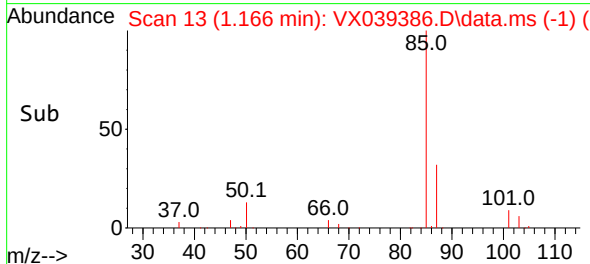
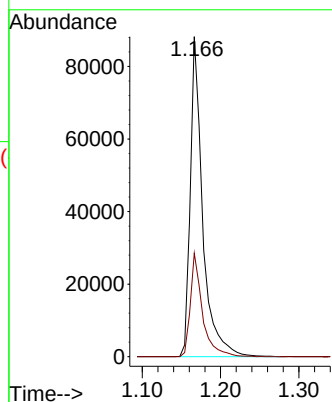
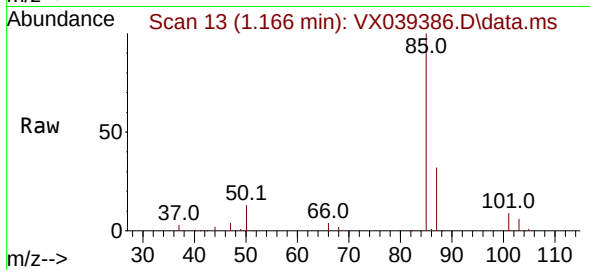




#2
 Dichlorodifluoromethane
 Concen: 59.031 ug/L
 RT: 1.166 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX039386.D
 Acq: 20 Dec 2023 08:53

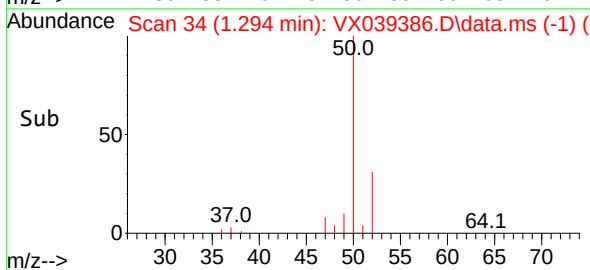
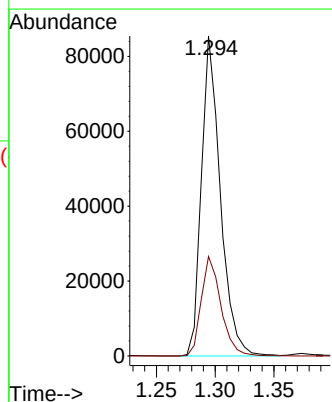
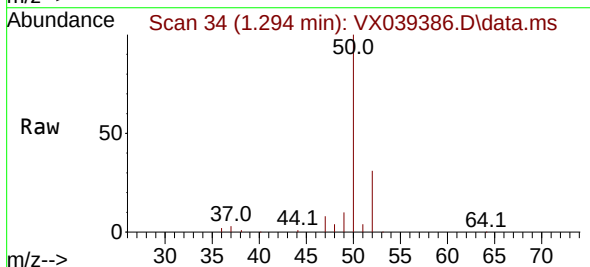
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050713

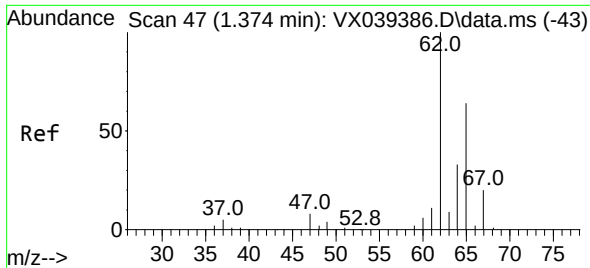
Tgt Ion: 85 Resp: 96751
 Ion Ratio Lower Upper
 85 100
 87 31.7 26.2 39.4



#3
 Chloromethane
 Concen: 55.981 ug/L
 RT: 1.294 min Scan# 34
 Delta R.T. 0.000 min
 Lab File: VX039386.D
 Acq: 20 Dec 2023 08:53

Tgt Ion: 50 Resp: 95901
 Ion Ratio Lower Upper
 50 100
 52 31.1 22.4 41.6

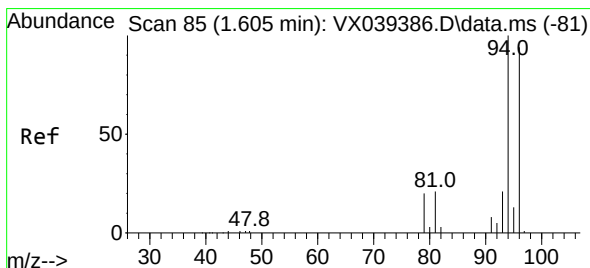
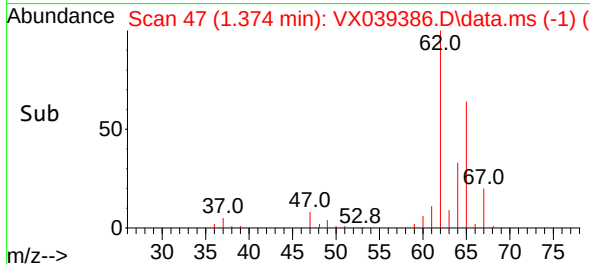
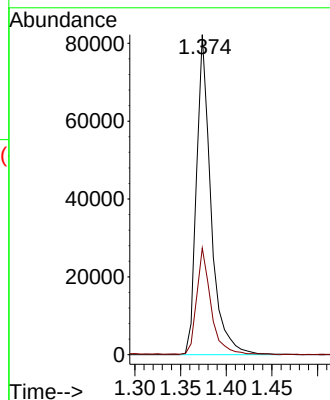
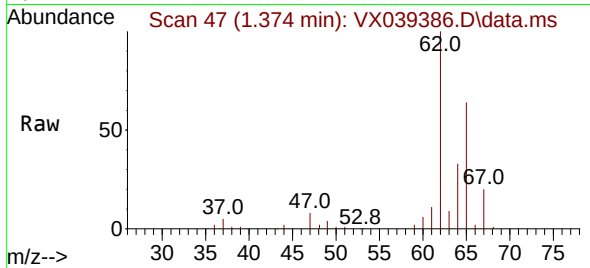




#5
 Vinyl chloride
 Concen: 53.748 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX039386.D
 Acq: 20 Dec 2023 08:53

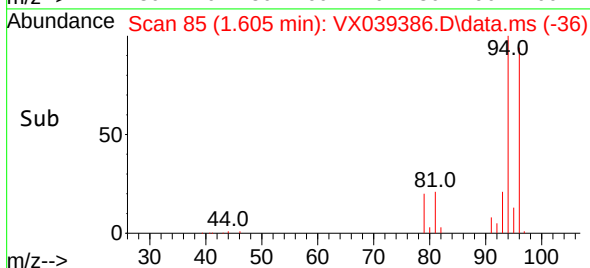
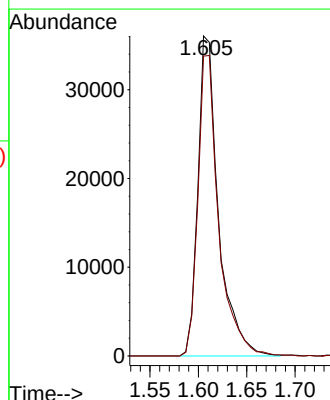
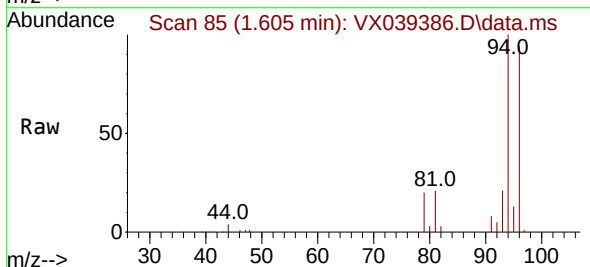
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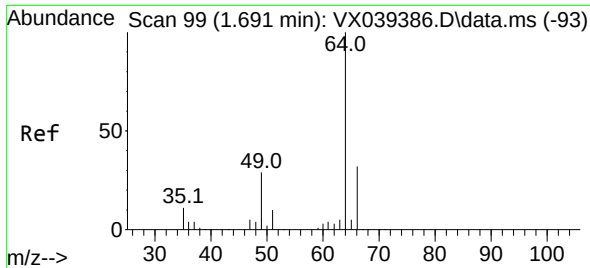
Tgt Ion: 62 Resp: 90748
 Ion Ratio Lower Upper
 62 100
 64 33.4 22.3 41.3



#6
 Bromomethane
 Concen: 58.700 ug/L
 RT: 1.605 min Scan# 85
 Delta R.T. 0.000 min
 Lab File: VX039386.D
 Acq: 20 Dec 2023 08:53

Tgt Ion: 94 Resp: 53495
 Ion Ratio Lower Upper
 94 100
 96 93.7 65.8 122.2

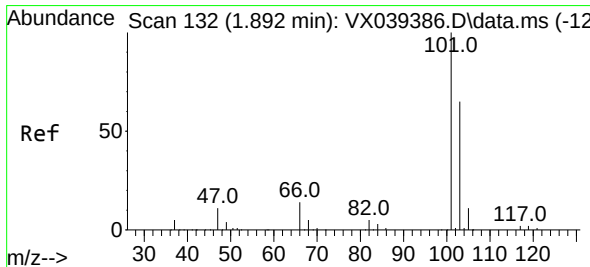
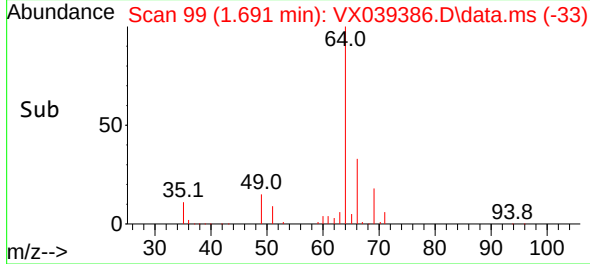
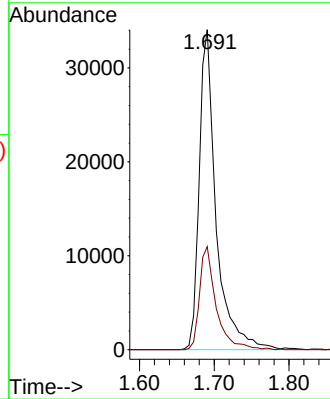
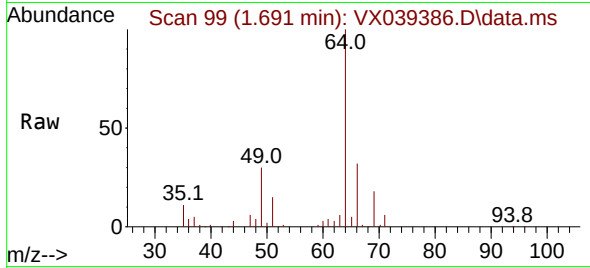




#8
 Chloroethane
 Concen: 55.725 ug/L
 RT: 1.691 min Scan# 99
 Delta R.T. 0.000 min
 Lab File: VX039386.D
 Acq: 20 Dec 2023 08:53

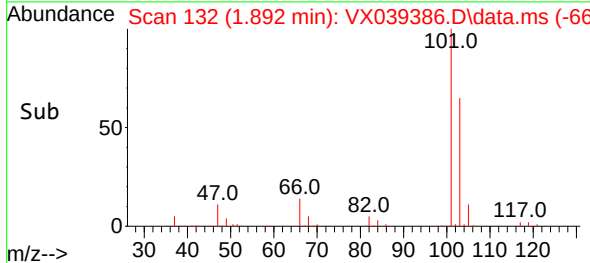
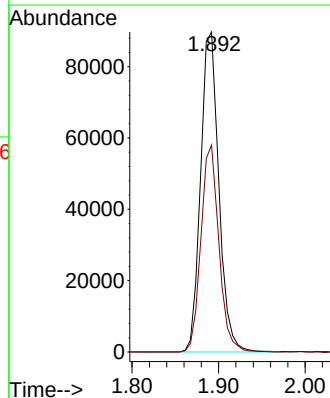
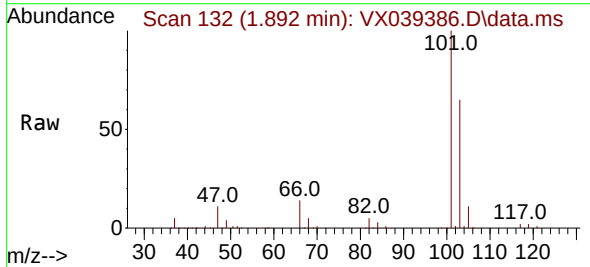
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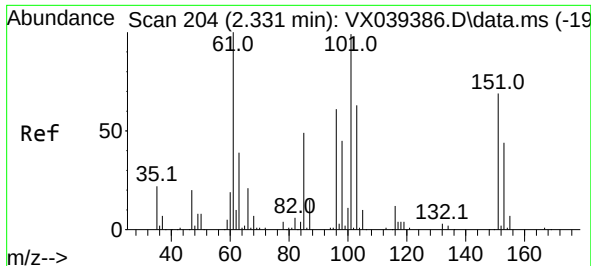
Tgt Ion: 64 Resp: 53191
 Ion Ratio Lower Upper
 64 100
 66 32.2 23.4 43.6



#9
 Trichlorofluoromethane
 Concen: 60.049 ug/L
 RT: 1.892 min Scan# 132
 Delta R.T. 0.000 min
 Lab File: VX039386.D
 Acq: 20 Dec 2023 08:53

Tgt Ion: 101 Resp: 131398
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.4 77.2

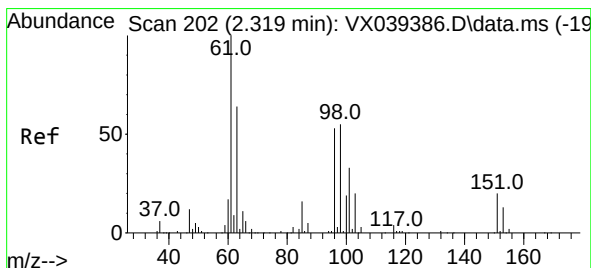
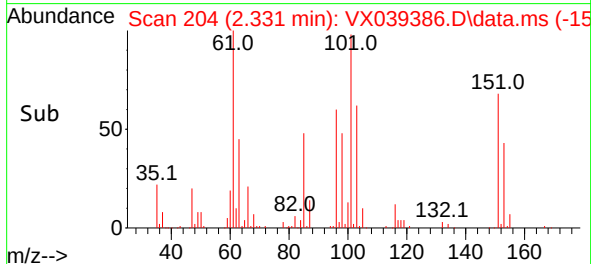
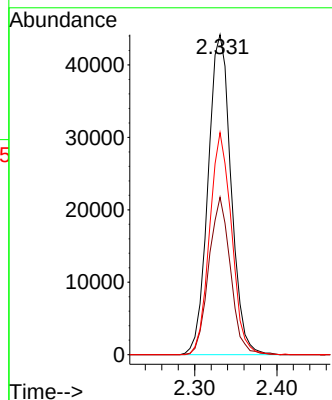
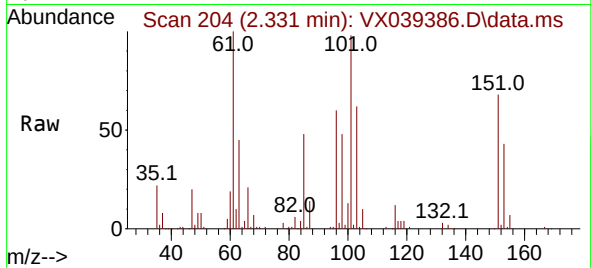




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 60.889 ug/L
 RT: 2.331 min Scan# 204
 Delta R.T. 0.000 min
 Lab File: VX039386.D
 Acq: 20 Dec 2023 08:53

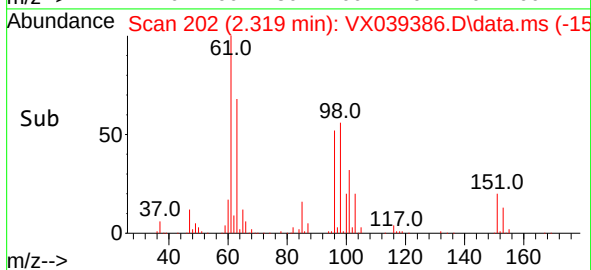
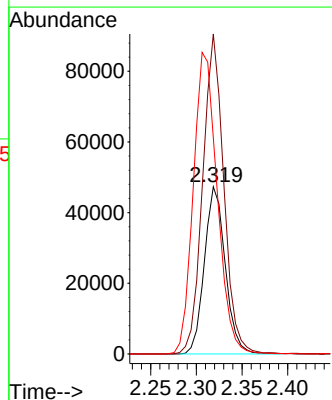
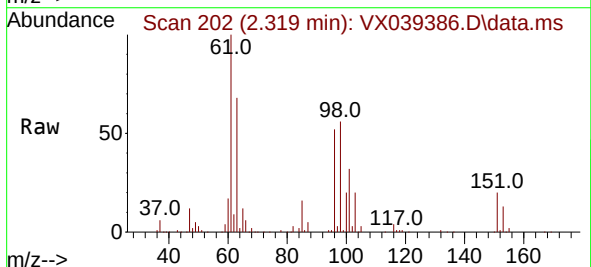
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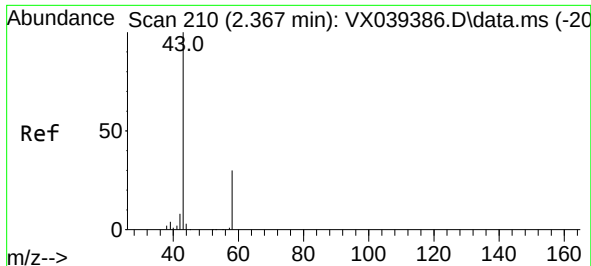
Tgt Ion:101 Resp: 85704
 Ion Ratio Lower Upper
 101 100
 85 46.4 35.8 53.6
 151 66.6 55.4 83.2



#12
 1,1-Dichloroethene
 Concen: 56.689 ug/L
 RT: 2.319 min Scan# 202
 Delta R.T. 0.000 min
 Lab File: VX039386.D
 Acq: 20 Dec 2023 08:53

Tgt Ion: 96 Resp: 75056
 Ion Ratio Lower Upper
 96 100
 61 191.4 128.0 237.6
 63 129.3 101.5 188.5





#13

Acetone

Concen: 111.504 ug/L

RT: 2.367 min Scan# 210

Delta R.T. -0.006 min

Lab File: VX039386.D

Acq: 20 Dec 2023 08:53

Instrument :

MSVOA_X

ClientSampleId :

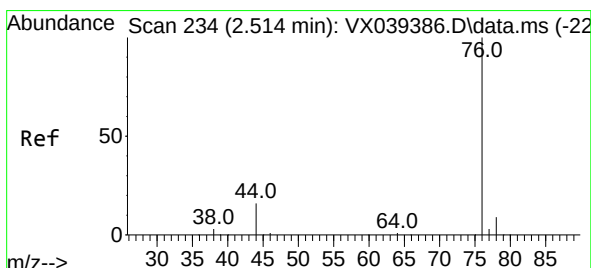
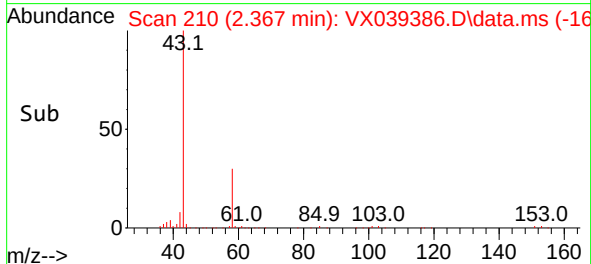
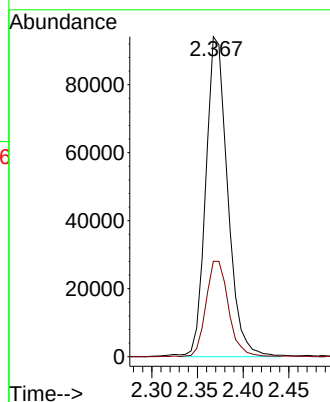
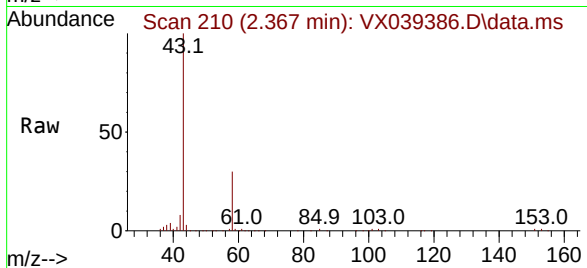
VSTD050713

Tgt Ion: 43 Resp: 156304

Ion Ratio Lower Upper

43 100

58 30.8 0.0 65.8



#14

Carbon disulfide

Concen: 51.042 ug/L

RT: 2.514 min Scan# 234

Delta R.T. 0.000 min

Lab File: VX039386.D

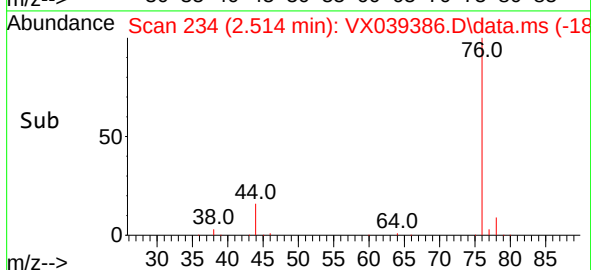
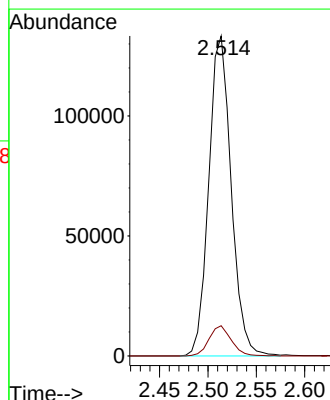
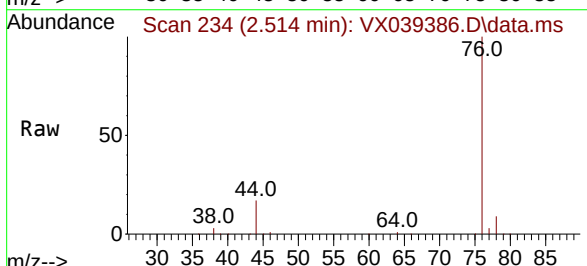
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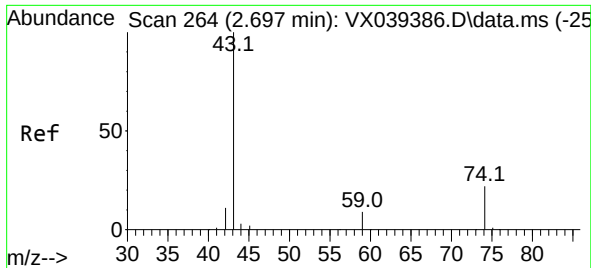
Tgt Ion: 76 Resp: 215047

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2

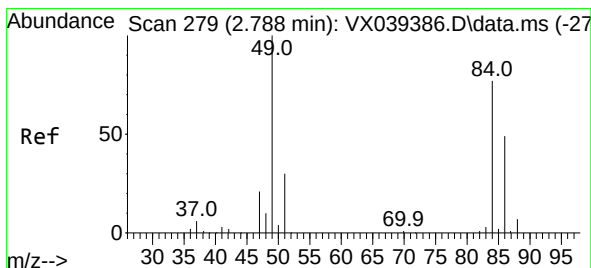
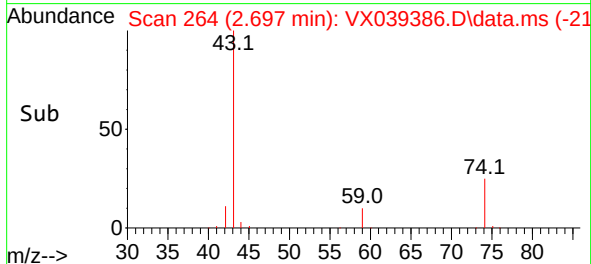
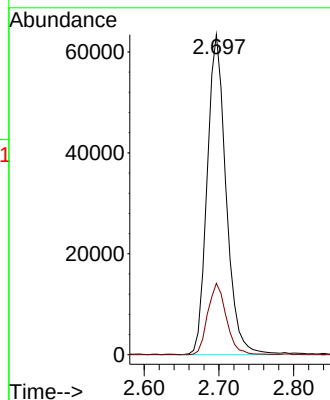
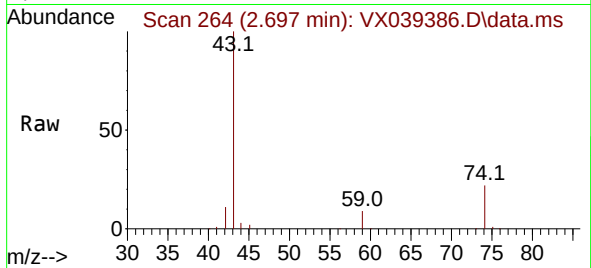




#15
Methyl Acetate
Concen: 55.708 ug/L
RT: 2.697 min Scan# 264
Delta R.T. 0.000 min
Lab File: VX039386.D
Acq: 20 Dec 2023 08:53

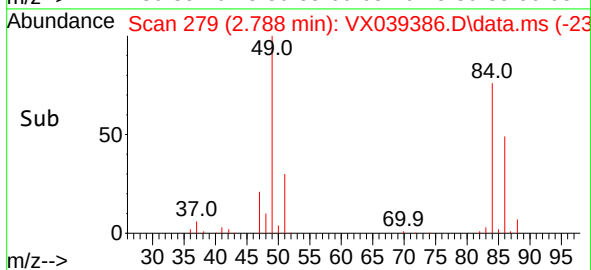
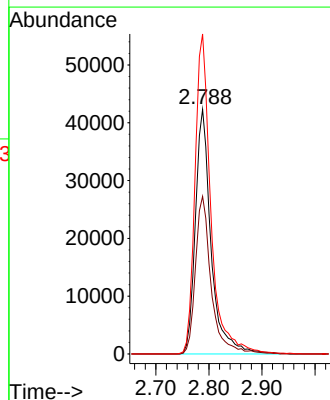
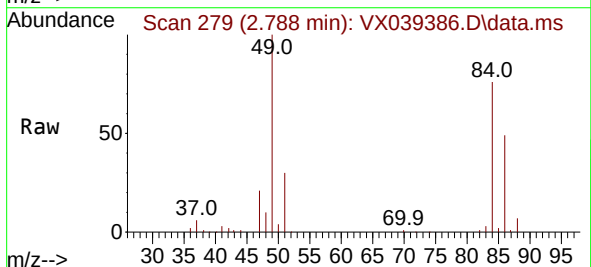
Instrument :
MSVOA_X
ClientSampleId :
VSTD050713

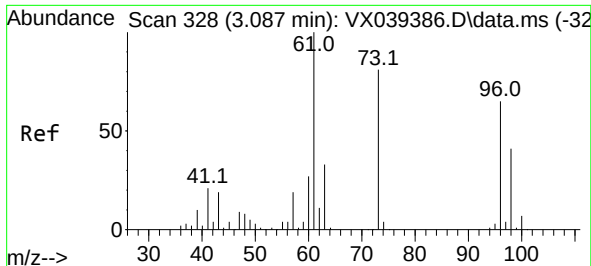
Tgt Ion: 43 Resp: 111617
Ion Ratio Lower Upper
43 100
74 21.9 18.2 27.4



#16
Methylene chloride
Concen: 57.430 ug/L
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX039386.D
Acq: 20 Dec 2023 08:53

Tgt Ion: 84 Resp: 87360
Ion Ratio Lower Upper
84 100
86 64.4 44.7 82.9
49 130.8 90.9 168.7





#17

trans-1,2-Dichloroethene

Concen: 55.500 ug/L

RT: 3.087 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX039386.D

Acq: 20 Dec 2023 08:53

Instrument :

MSVOA_X

ClientSampleId :

VSTD050713

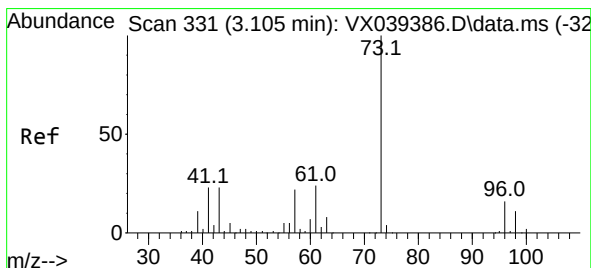
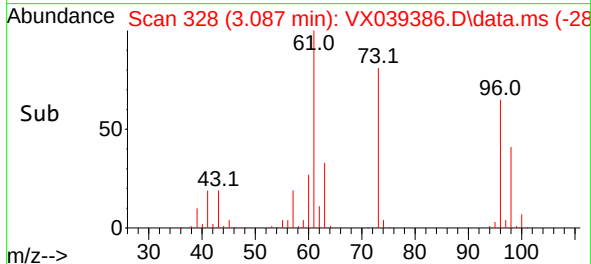
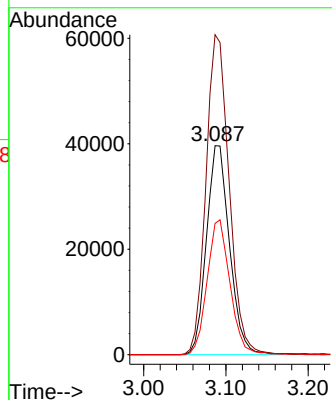
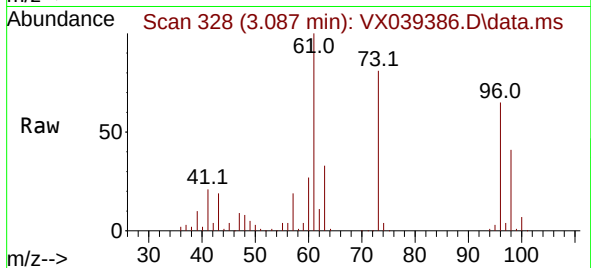
Tgt Ion: 96 Resp: 77422

Ion Ratio Lower Upper

96 100

61 153.1 99.8 185.3

98 62.9 42.6 79.2



#18

Methyl tert-butyl Ether

Concen: 57.532 ug/L

RT: 3.105 min Scan# 331

Delta R.T. -0.006 min

Lab File: VX039386.D

Acq: 20 Dec 2023 08:53

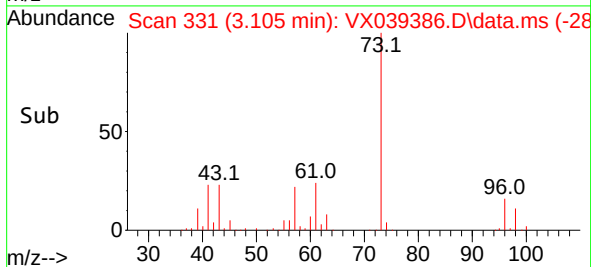
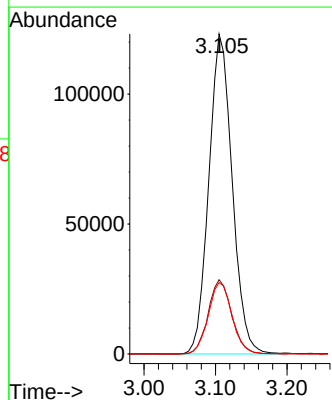
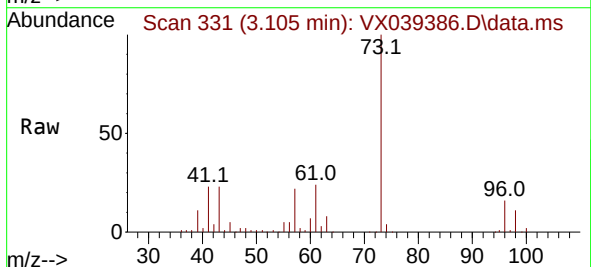
Tgt Ion: 73 Resp: 279359

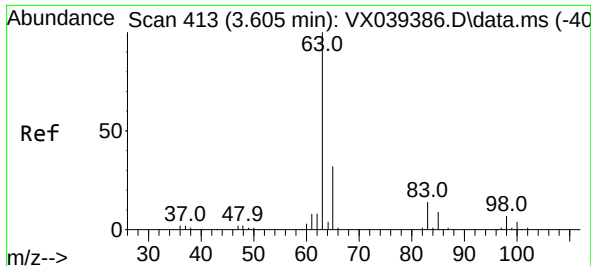
Ion Ratio Lower Upper

73 100

43 23.3 16.9 25.3

57 22.6 18.5 27.7





#19

1,1-Dichloroethane

Concen: 57.126 ug/L

RT: 3.605 min Scan# 413

Delta R.T. -0.006 min

Lab File: VX039386.D

Acq: 20 Dec 2023 08:53

Instrument :

MSVOA_X

ClientSampleId :

VSTD050713

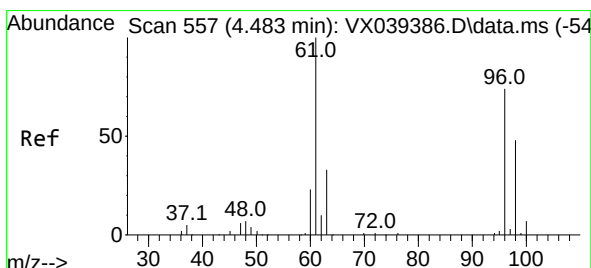
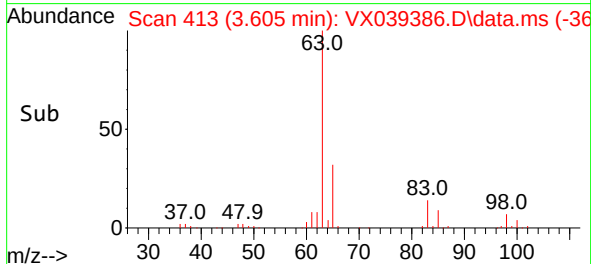
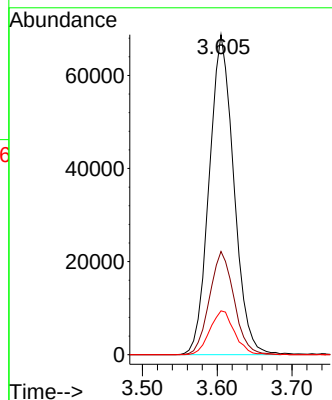
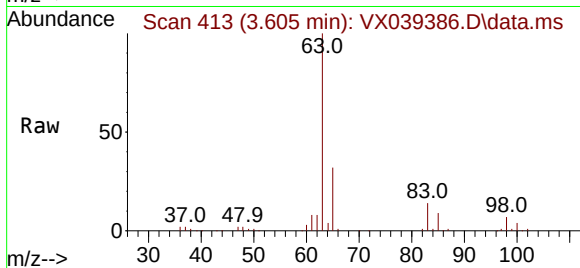
Tgt Ion: 63 Resp: 157571

Ion Ratio Lower Upper

63 100

65 32.2 21.1 39.3

83 13.7 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 55.628 ug/L

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX039386.D

Acq: 20 Dec 2023 08:53

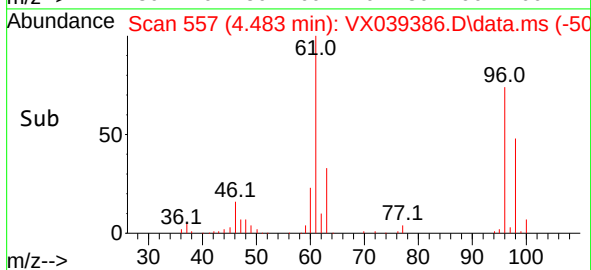
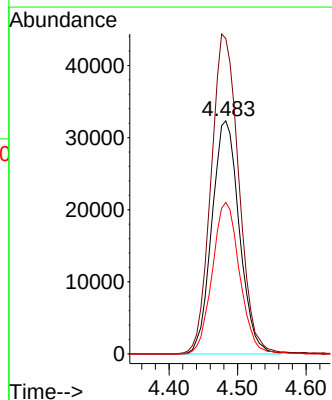
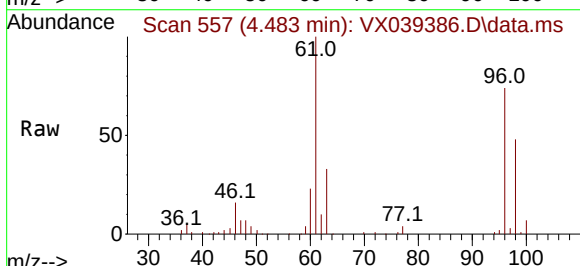
Tgt Ion: 96 Resp: 90008

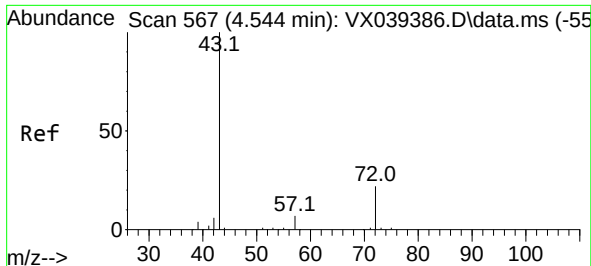
Ion Ratio Lower Upper

96 100

61 135.3 91.7 170.3

98 65.0 44.2 82.2

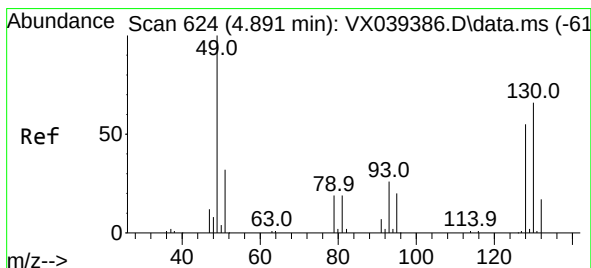
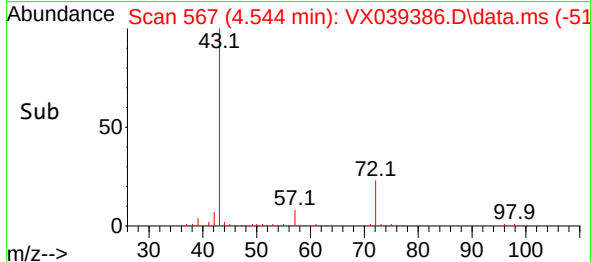
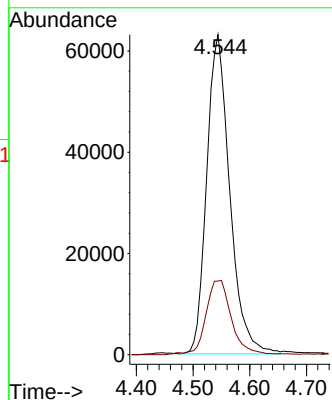
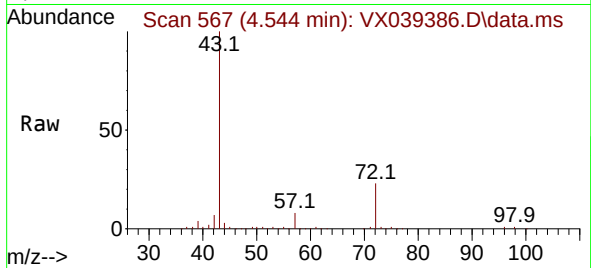




#22
2-Butanone
Concen: 103.371 ug/L
RT: 4.544 min Scan# 567
Delta R.T. -0.006 min
Lab File: VX039386.D
Acq: 20 Dec 2023 08:53

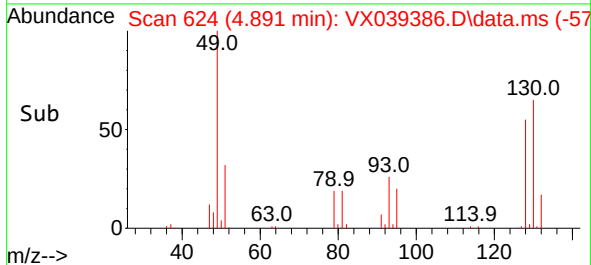
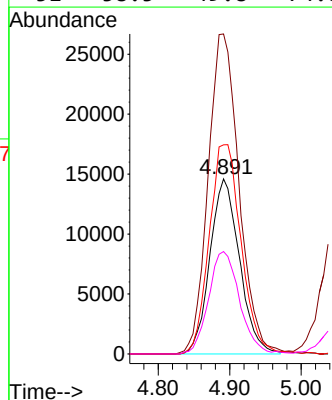
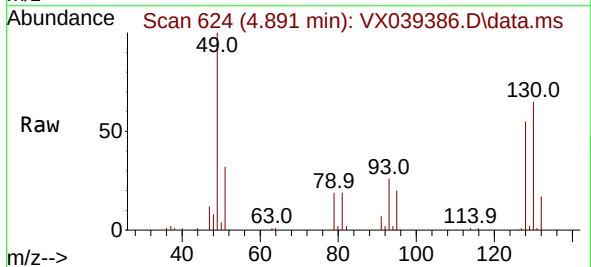
Instrument :
MSVOA_X
ClientSampleId :
VSTD050713

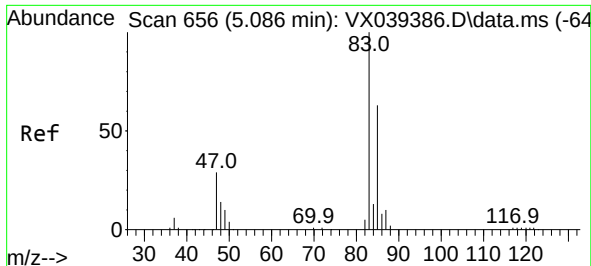
Tgt Ion: 43 Resp: 177834
Ion Ratio Lower Upper
43 100
72 25.4 12.6 37.6



#23
Bromochloromethane
Concen: 55.167 ug/L
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX039386.D
Acq: 20 Dec 2023 08:53

Tgt Ion: 128 Resp: 41961
Ion Ratio Lower Upper
128 100
49 182.8 130.8 243.0
130 119.5 90.6 168.3
51 58.5 49.8 74.8





#25

Chloroform

Concen: 60.005 ug/L

RT: 5.086 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX039386.D

Acq: 20 Dec 2023 08:53

Instrument :

MSVOA_X

ClientSampleId :

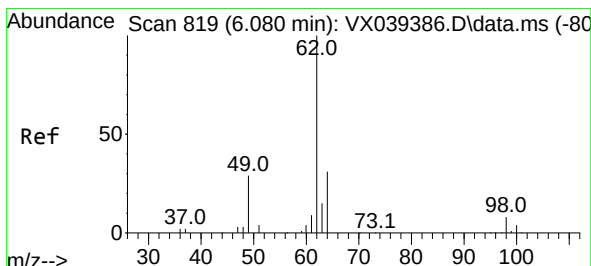
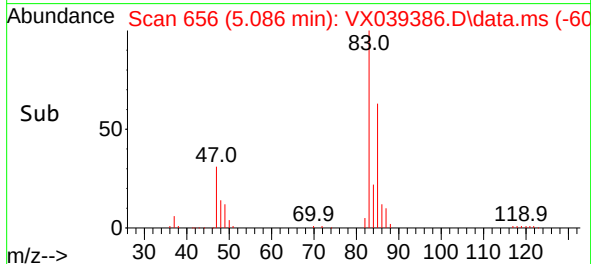
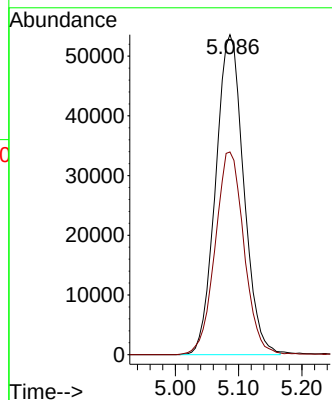
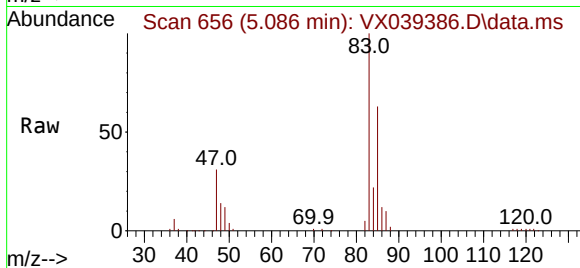
VSTD050713

Tgt Ion: 83 Resp: 165086

Ion Ratio Lower Upper

83 100

85 63.3 45.1 83.7



#27

1,2-Dichloroethane

Concen: 62.368 ug/L

RT: 6.080 min Scan# 819

Delta R.T. -0.006 min

Lab File: VX039386.D

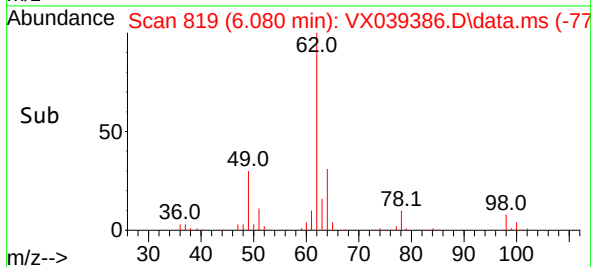
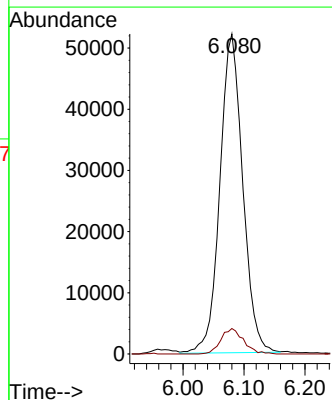
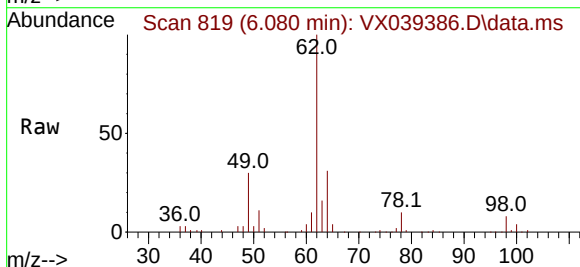
Acq: 20 Dec 2023 08:53

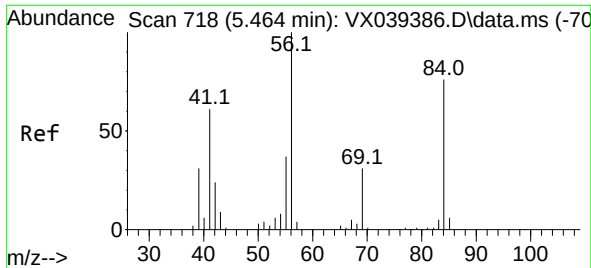
Tgt Ion: 62 Resp: 135427

Ion Ratio Lower Upper

62 100

98 7.9 8.0 12.0#

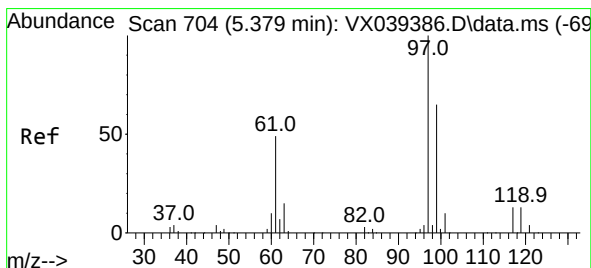
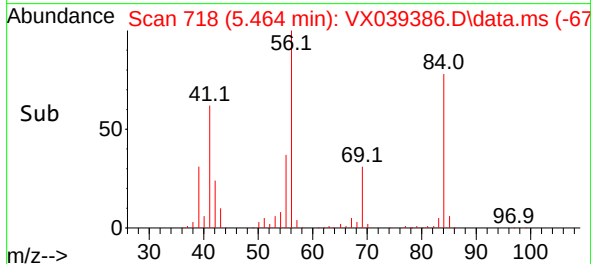
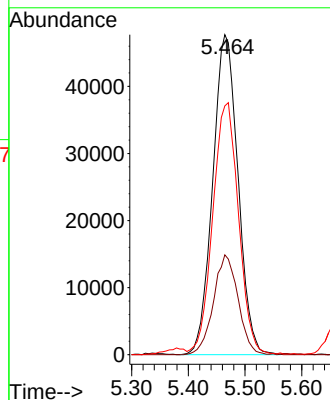
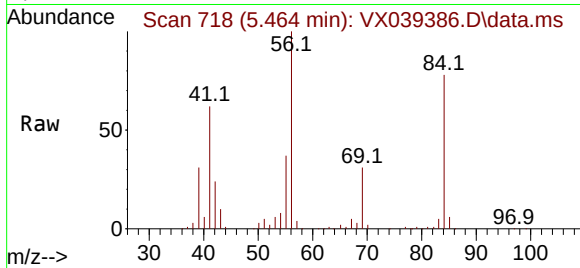




#29
Cyclohexane
Concen: 53.789 ug/L
RT: 5.464 min Scan# 718
Delta R.T. -0.006 min
Lab File: VX039386.D
Acq: 20 Dec 2023 08:53

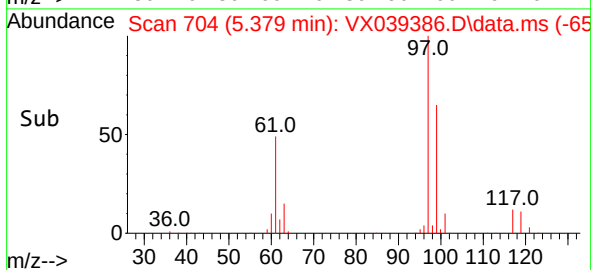
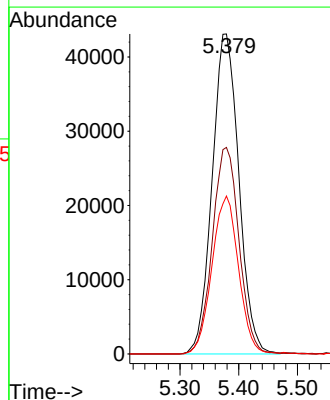
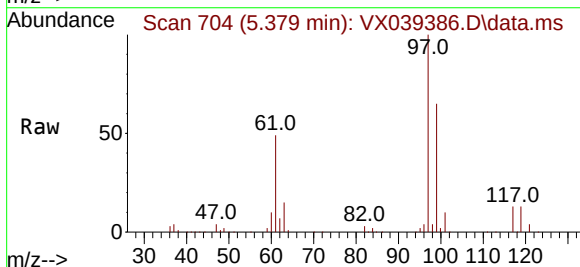
Instrument :
MSVOA_X
ClientSampleId :
VSTD050713

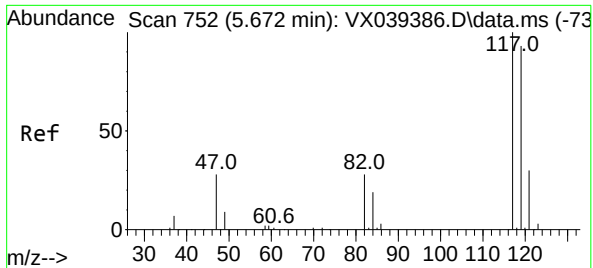
Tgt Ion: 56 Resp: 147707
Ion Ratio Lower Upper
56 100
69 30.3 24.5 36.7
84 80.2 67.0 100.4



#30
1,1,1-Trichloroethane
Concen: 57.178 ug/L
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX039386.D
Acq: 20 Dec 2023 08:53

Tgt Ion: 97 Resp: 136187
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.4
61 49.1 36.7 55.1

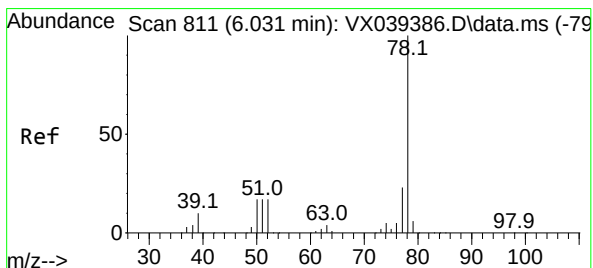
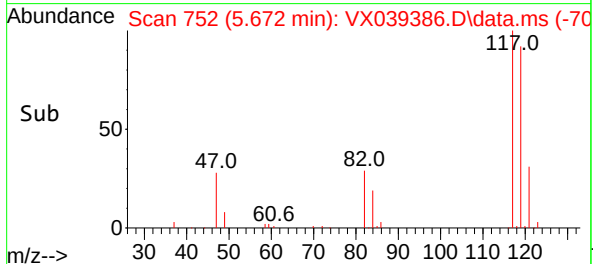
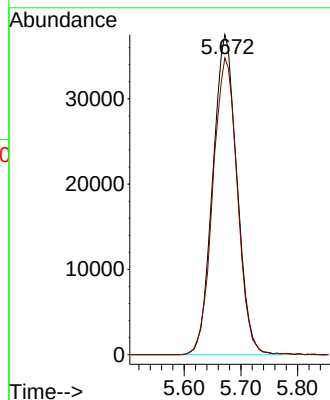
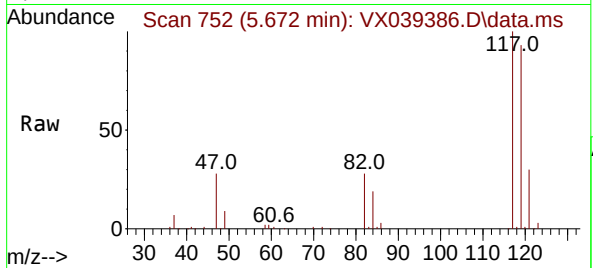




#31
Carbon tetrachloride
Concen: 55.802 ug/L
RT: 5.672 min Scan# 752
Delta R.T. -0.006 min
Lab File: VX039386.D
Acq: 20 Dec 2023 08:53

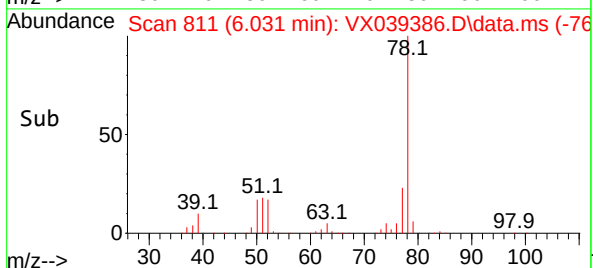
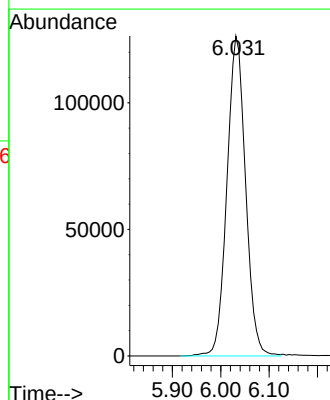
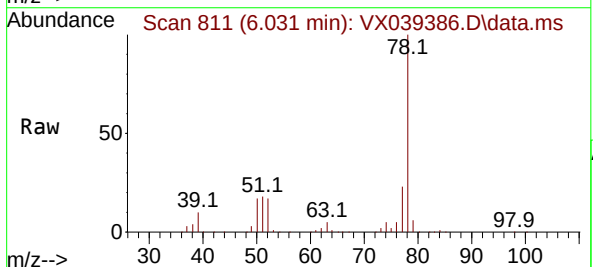
Instrument :
MSVOA_X
ClientSampleId :
VSTD050713

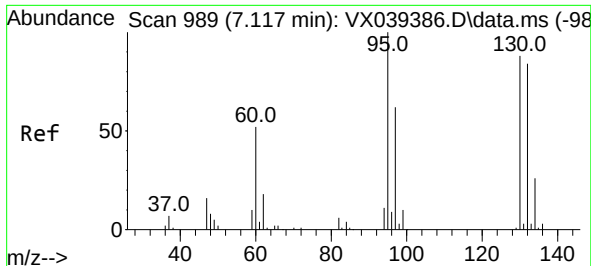
Tgt Ion:117 Resp: 110888
Ion Ratio Lower Upper
117 100
119 94.1 77.0 115.4



#33
Benzene
Concen: 54.230 ug/L
RT: 6.031 min Scan# 811
Delta R.T. -0.006 min
Lab File: VX039386.D
Acq: 20 Dec 2023 08:53

Tgt Ion: 78 Resp: 338308



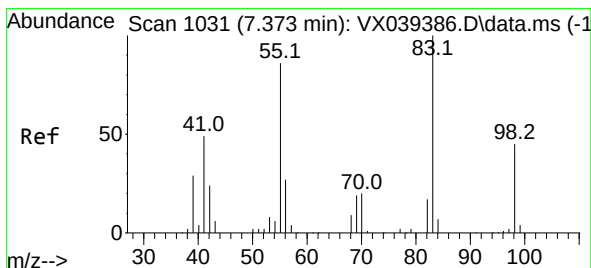
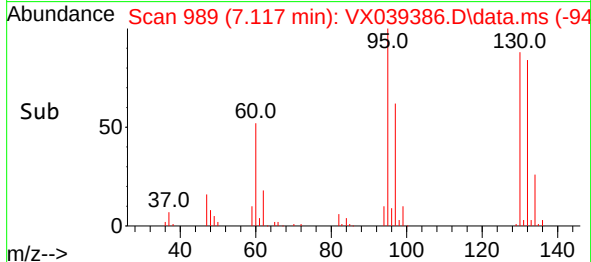
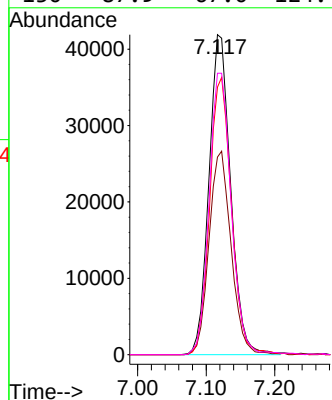
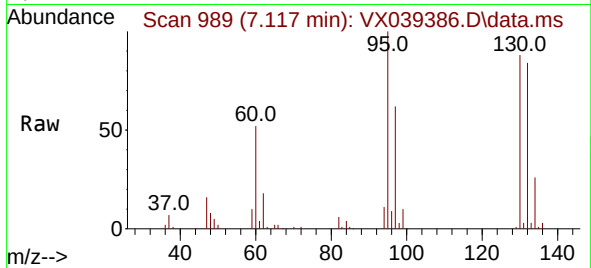


#34
Trichloroethene
Concen: 56.121 ug/L
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX039386.D
Acq: 20 Dec 2023 08:53

Instrument :
MSVOA_X
ClientSampleId :
VSTD050713

Tgt Ion: 95 Resp: 92524

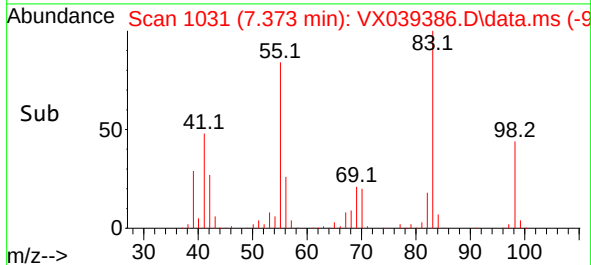
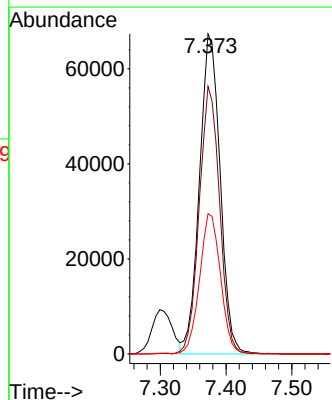
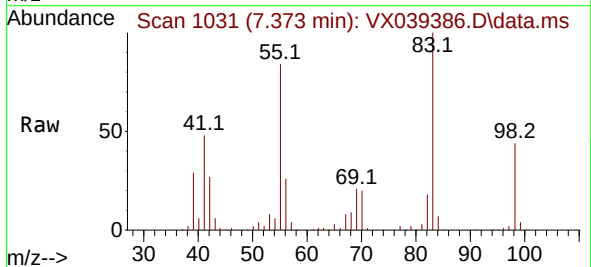
Ion	Ratio	Lower	Upper
95	100		
97	61.8	45.5	84.5
132	83.6	62.2	115.4
130	87.9	67.0	124.4

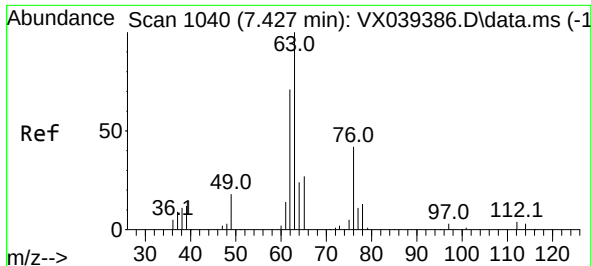


#35
Methylcyclohexane
Concen: 53.765 ug/L
RT: 7.373 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VX039386.D
Acq: 20 Dec 2023 08:53

Tgt Ion: 83 Resp: 147626

Ion	Ratio	Lower	Upper
83	100		
55	82.1	62.5	93.7
98	44.3	36.1	54.1





#37

1,2-Dichloropropane

Concen: 53.054 ug/L

RT: 7.427 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX039386.D

Acq: 20 Dec 2023 08:53

Instrument :

MSVOA_X

ClientSampleId :

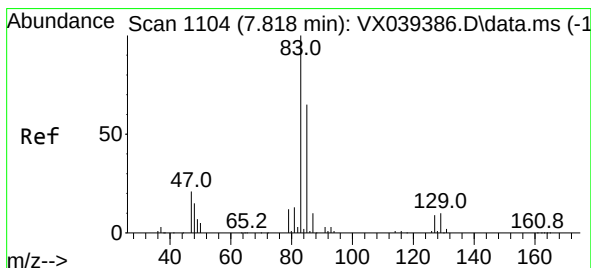
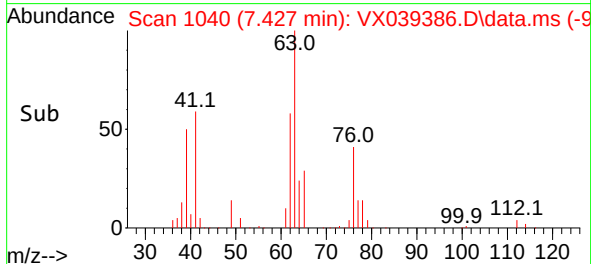
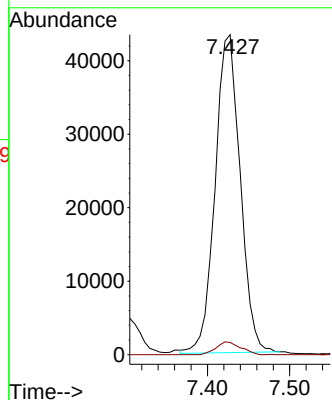
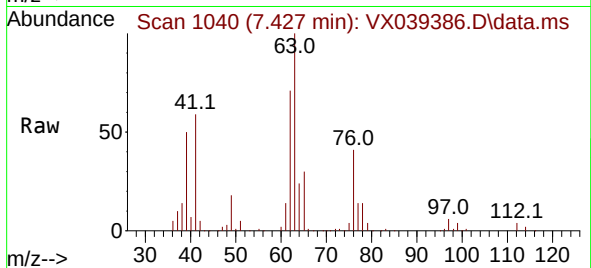
VSTD050713

Tgt Ion: 63 Resp: 91791

Ion Ratio Lower Upper

63 100

112 3.9 2.8 4.2



#38

Bromodichloromethane

Concen: 56.076 ug/L

RT: 7.818 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VX039386.D

Acq: 20 Dec 2023 08:53

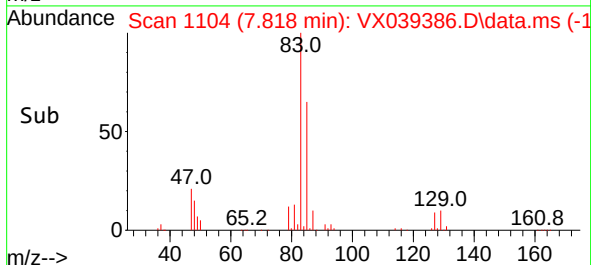
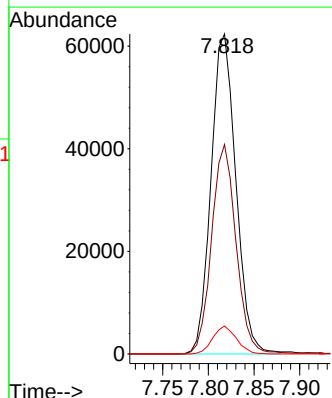
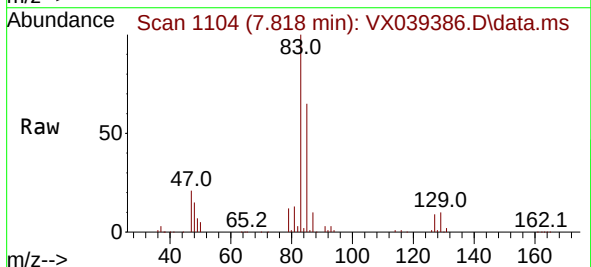
Tgt Ion: 83 Resp: 118004

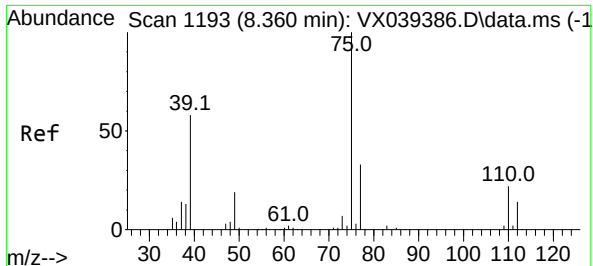
Ion Ratio Lower Upper

83 100

85 65.5 43.3 80.5

127 8.7 5.8 8.6#





#39

cis-1,3-Dichloropropene

Concen: 53.126 ug/L

RT: 8.360 min Scan# 1193

Delta R.T. -0.006 min

Lab File: VX039386.D

Acq: 20 Dec 2023 08:53

Instrument :

MSVOA_X

ClientSampleId :

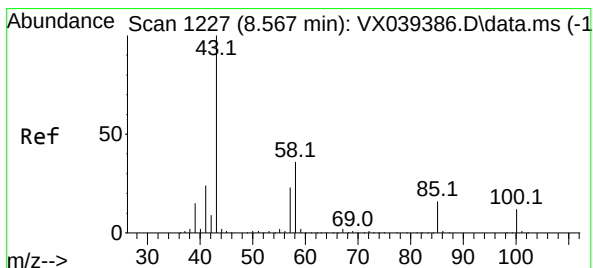
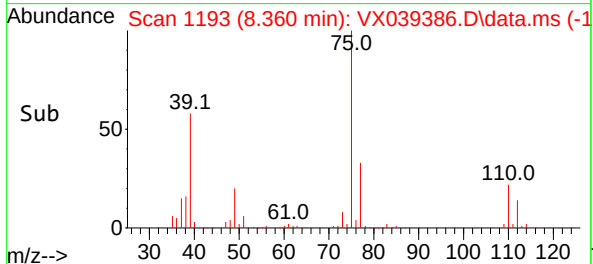
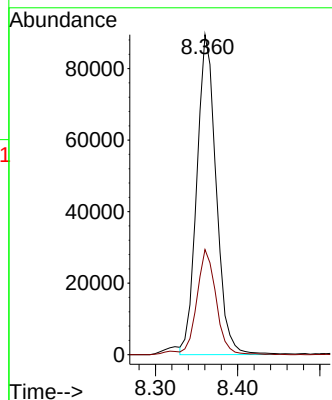
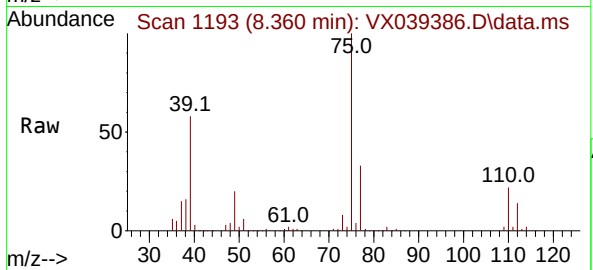
VSTD050713

Tgt Ion: 75 Resp: 146596

Ion Ratio Lower Upper

75 100

77 32.8 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 108.562 ug/L

RT: 8.567 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VX039386.D

Acq: 20 Dec 2023 08:53

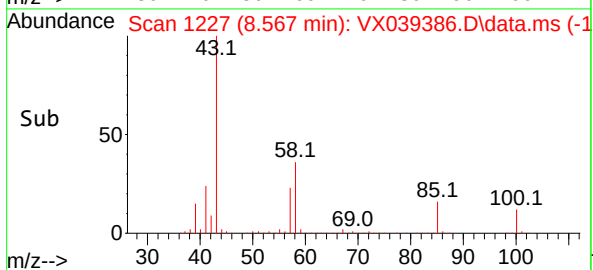
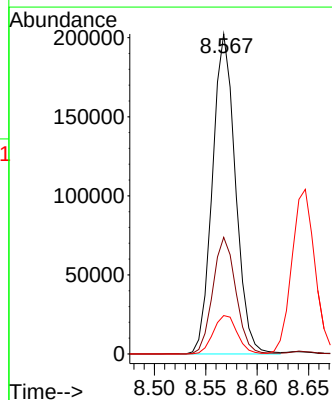
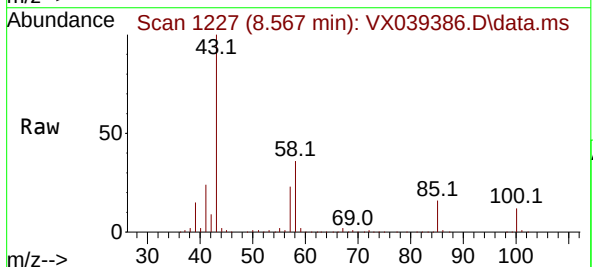
Tgt Ion: 43 Resp: 314794

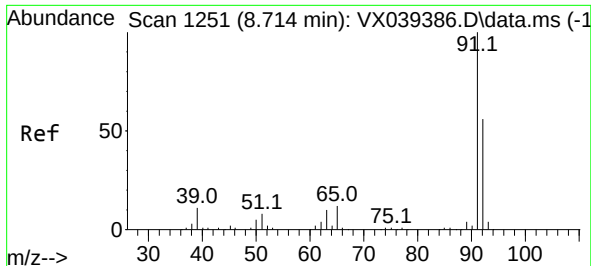
Ion Ratio Lower Upper

43 100

58 36.5 30.9 46.3

100 12.6 10.6 16.0





#42

Toluene

Concen: 54.272 ug/L

RT: 8.714 min Scan# 1251

Delta R.T. -0.006 min

Lab File: VX039386.D

Acq: 20 Dec 2023 08:53

Instrument :

MSVOA_X

ClientSampleId :

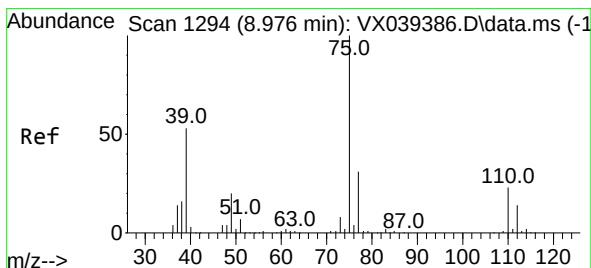
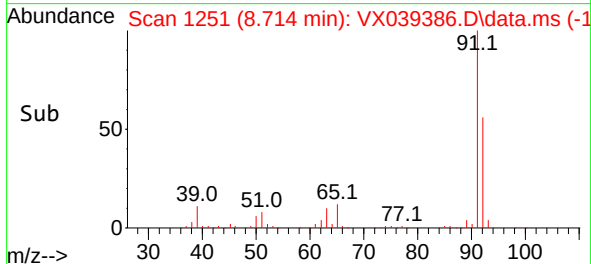
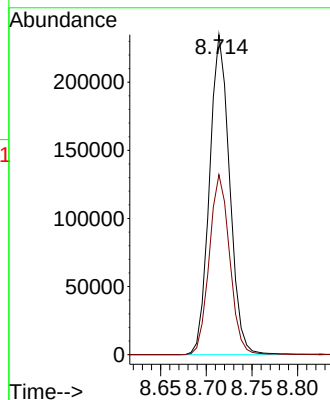
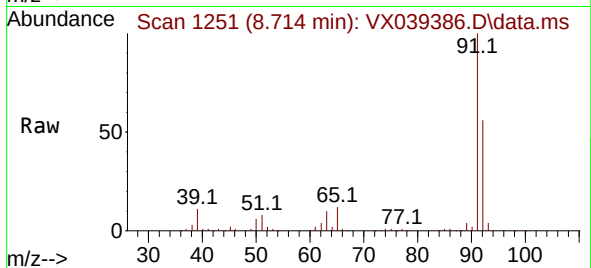
VSTD050713

Tgt Ion: 91 Resp: 359029

Ion Ratio Lower Upper

91 100

92 56.2 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 54.817 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX039386.D

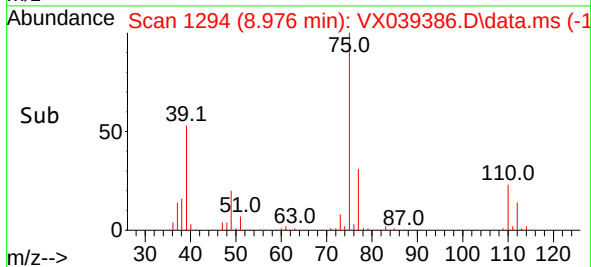
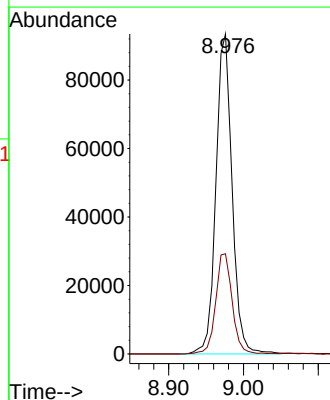
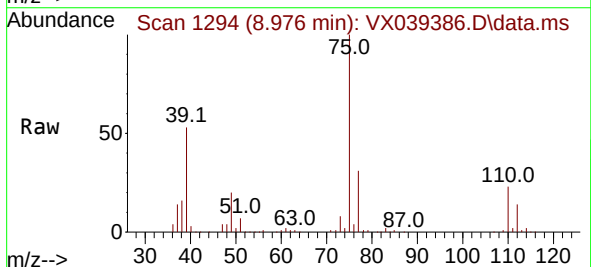
Acq: 20 Dec 2023 08:53

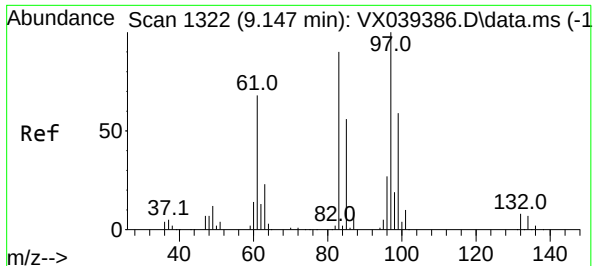
Tgt Ion: 75 Resp: 140371

Ion Ratio Lower Upper

75 100

77 31.3 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 55.759 ug/L

RT: 9.147 min Scan# 1322

Delta R.T. -0.006 min

Lab File: VX039386.D

Acq: 20 Dec 2023 08:53

Instrument :

MSVOA_X

ClientSampleId :

VSTD050713

Tgt Ion: 97 Resp: 88408

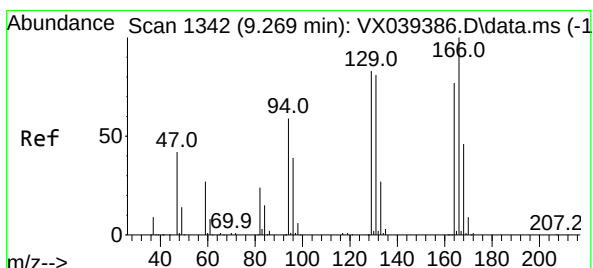
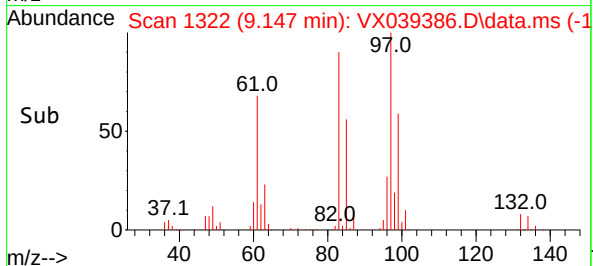
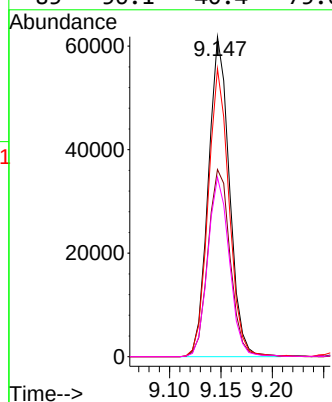
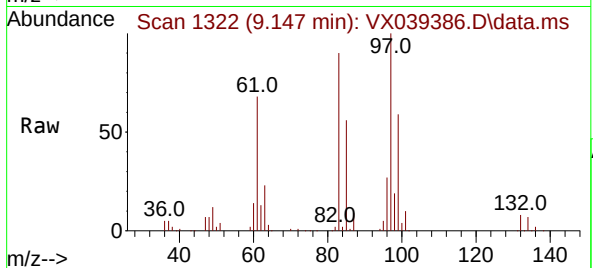
Ion Ratio Lower Upper

97 100

99 58.5 43.1 80.1

83 90.0 64.0 118.8

85 56.1 40.4 75.0



#46

Tetrachloroethene

Concen: 54.022 ug/L

RT: 9.269 min Scan# 1342

Delta R.T. -0.006 min

Lab File: VX039386.D

Acq: 20 Dec 2023 08:53

Tgt Ion:164 Resp: 58752

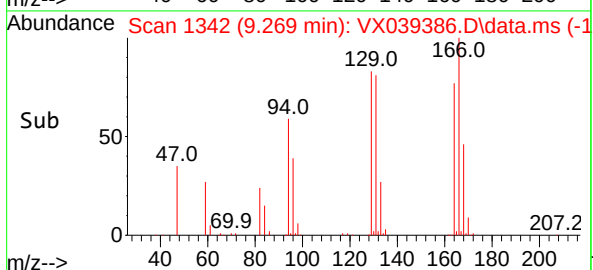
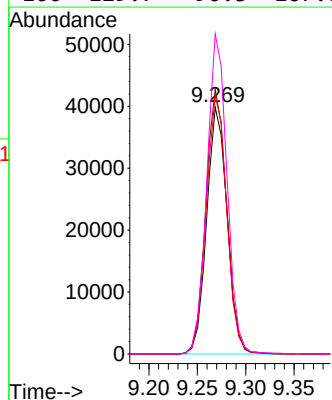
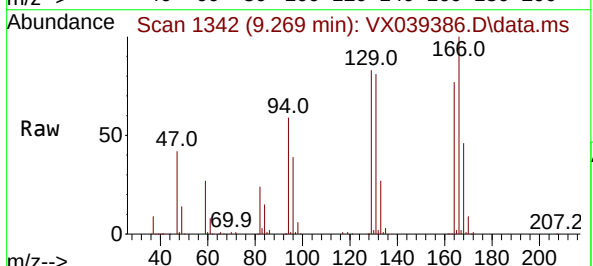
Ion Ratio Lower Upper

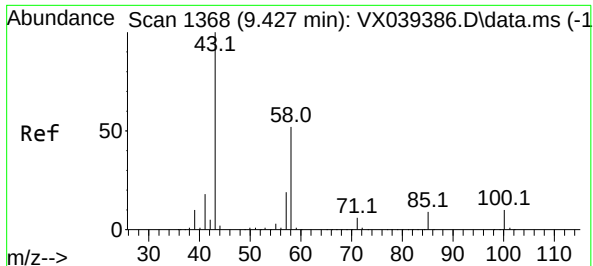
164 100

129 107.2 71.9 133.5

131 104.7 69.5 129.1

166 129.7 90.3 167.7



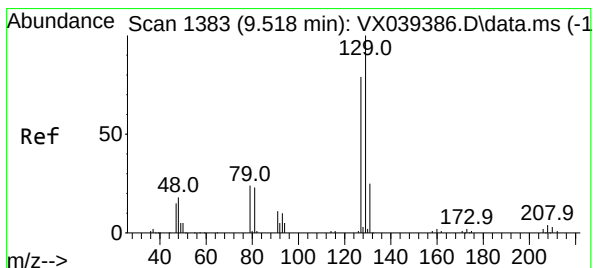
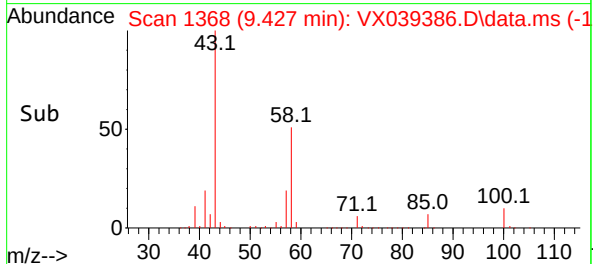
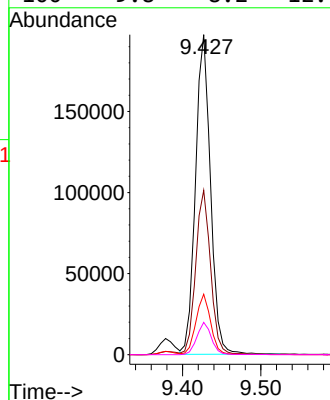
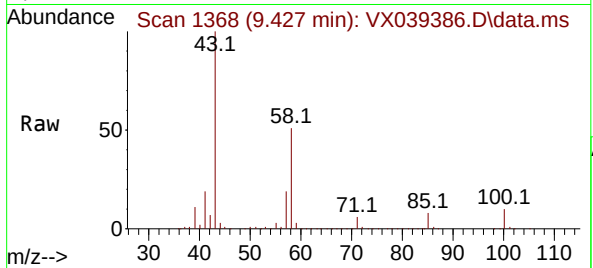


#48
2-Hexanone
Concen: 108.464 ug/L
RT: 9.427 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VX039386.D
Acq: 20 Dec 2023 08:53

Instrument :
MSVOA_X
ClientSampleId :
VSTD050713

Tgt Ion: 43 Resp: 263233

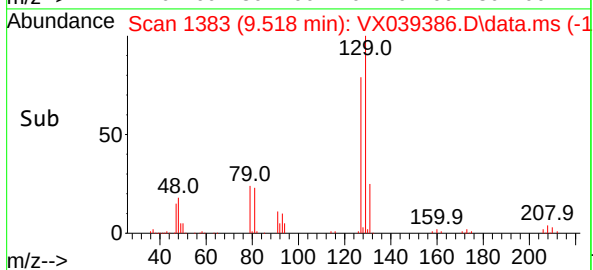
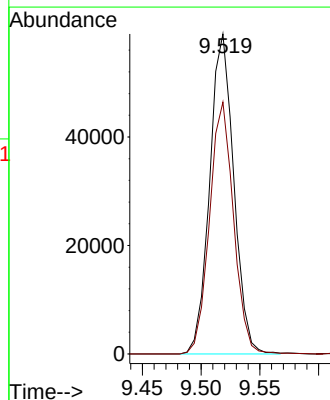
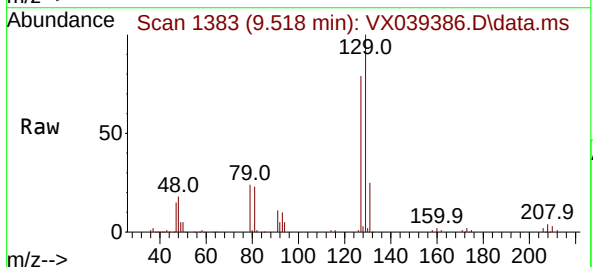
Ion	Ratio	Lower	Upper
43	100		
58	51.2	43.0	64.6
57	18.7	14.6	21.8
100	9.8	8.2	12.4

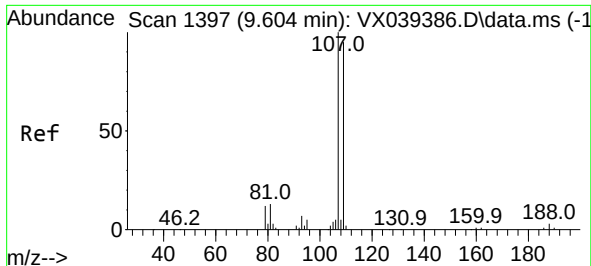


#49
Dibromochloromethane
Concen: 54.487 ug/L
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX039386.D
Acq: 20 Dec 2023 08:53

Tgt Ion: 129 Resp: 84164

Ion	Ratio	Lower	Upper
129	100		
127	78.7	55.2	102.4





#50

1,2-Dibromoethane

Concen: 54.479 ug/L

RT: 9.604 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX039386.D

Acq: 20 Dec 2023 08:53

Instrument :

MSVOA_X

ClientSampleId :

VSTD050713

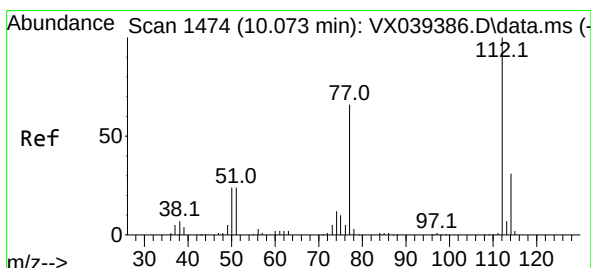
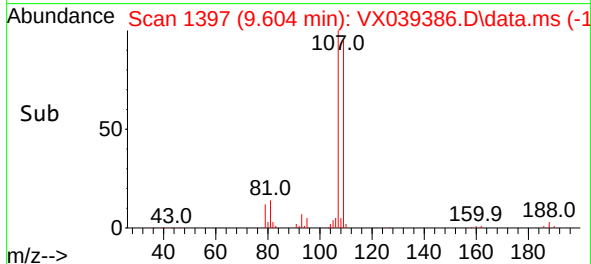
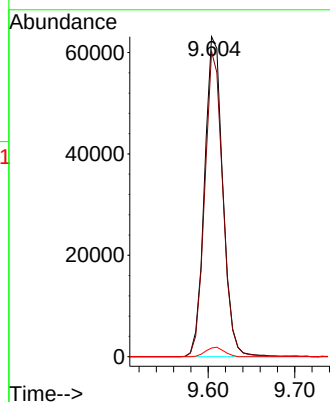
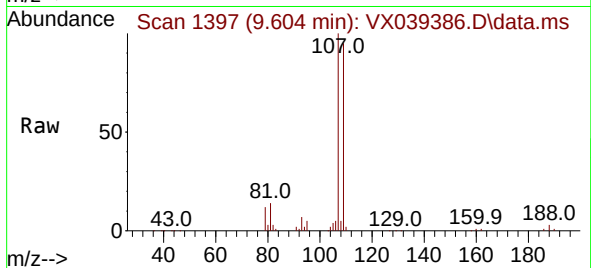
Tgt Ion:107 Resp: 92540

Ion Ratio Lower Upper

107 100

109 95.4 65.2 121.0

188 2.7 2.5 3.7



#51

Chlorobenzene

Concen: 55.575 ug/L

RT: 10.073 min Scan# 1474

Delta R.T. -0.006 min

Lab File: VX039386.D

Acq: 20 Dec 2023 08:53

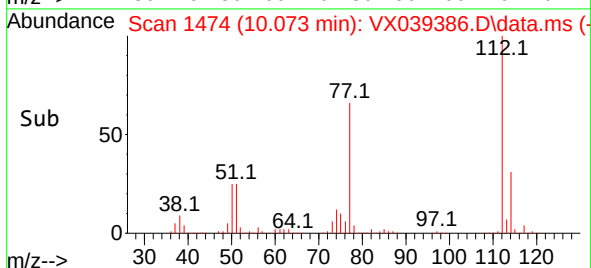
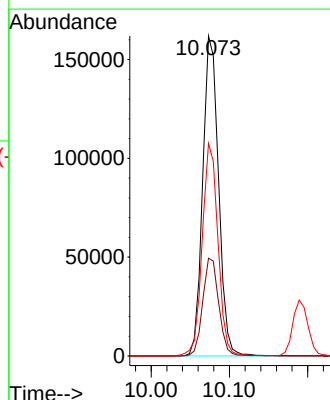
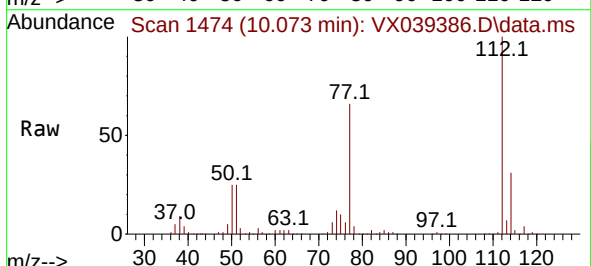
Tgt Ion:112 Resp: 227093

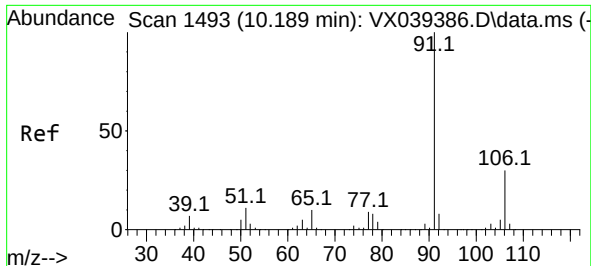
Ion Ratio Lower Upper

112 100

114 30.6 21.8 40.4

77 66.4 49.0 73.6





#52

Ethylbenzene

Concen: 56.056 ug/L

RT: 10.189 min Scan# 1493

Delta R.T. -0.006 min

Lab File: VX039386.D

Acq: 20 Dec 2023 08:53

Instrument :

MSVOA_X

ClientSampleId :

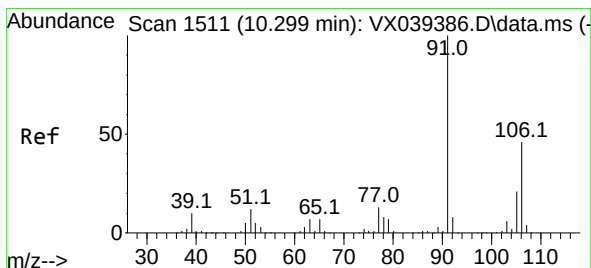
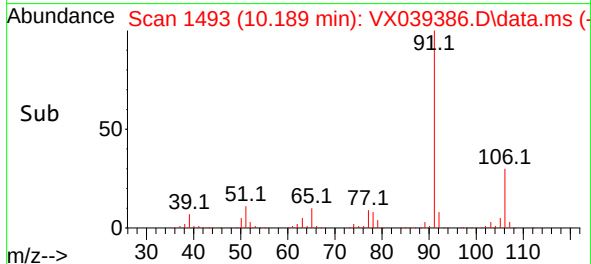
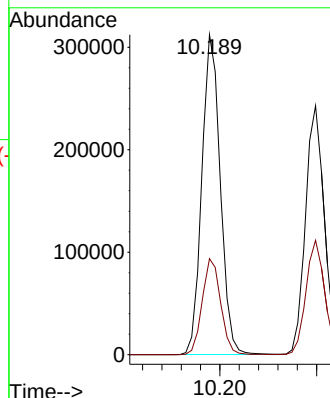
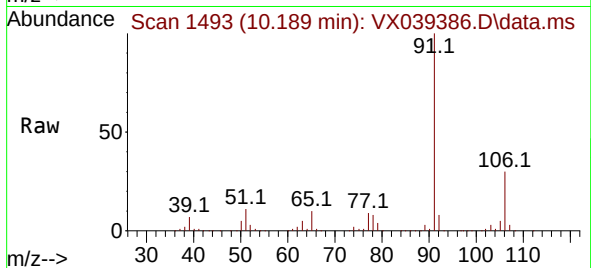
VSTD050713

Tgt Ion: 91 Resp: 414572

Ion Ratio Lower Upper

91 100

106 30.0 21.2 39.4



#53

m,p-Xylene

Concen: 54.551 ug/L

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX039386.D

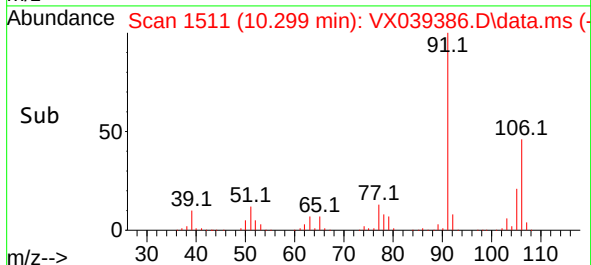
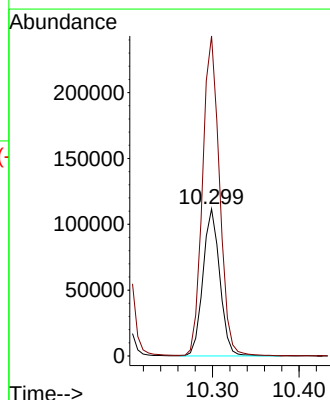
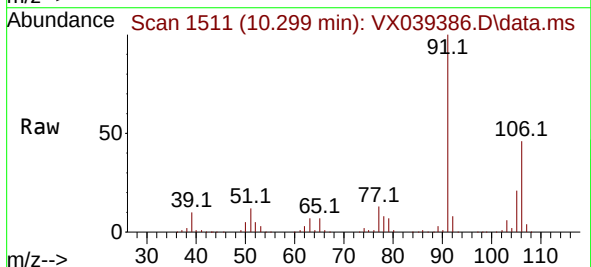
Acq: 20 Dec 2023 08:53

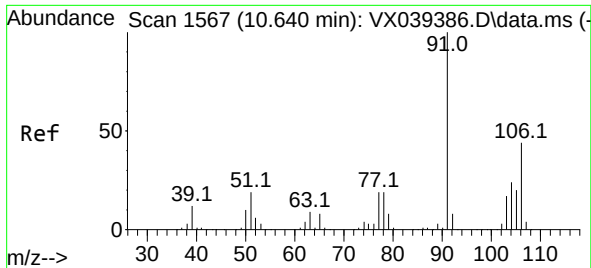
Tgt Ion:106 Resp: 150841

Ion Ratio Lower Upper

106 100

91 217.6 149.0 276.8

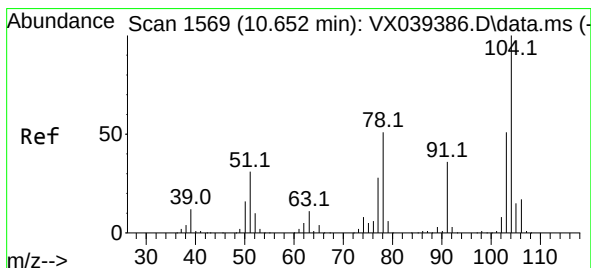
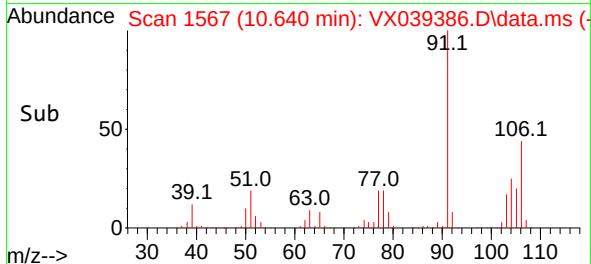
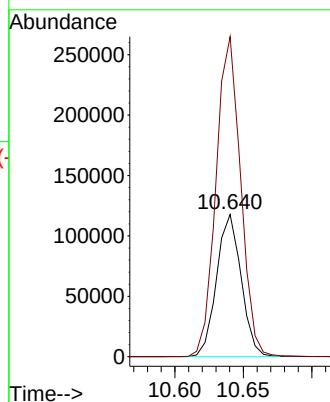
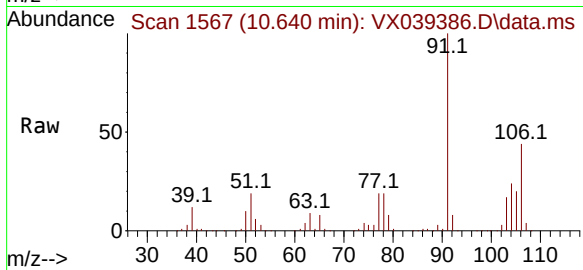




#54
o-Xylene
Concen: 55.317 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX039386.D
Acq: 20 Dec 2023 08:53

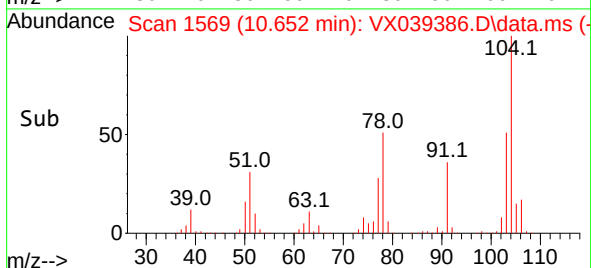
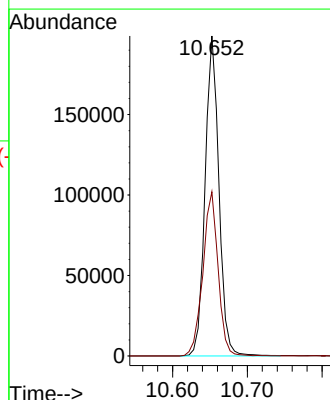
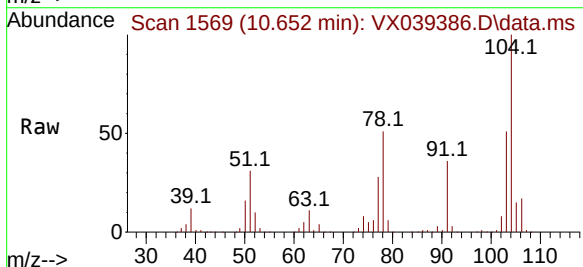
Instrument :
MSVOA_X
ClientSampleId :
VSTD050713

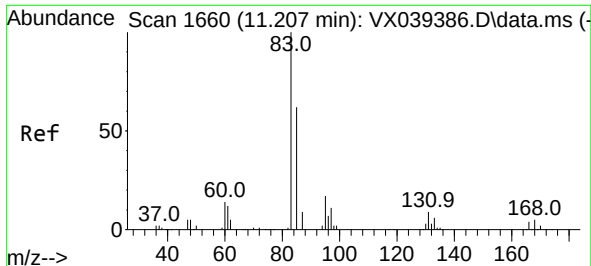
Tgt Ion:106 Resp: 146773
Ion Ratio Lower Upper
106 100
91 224.9 156.2 290.0



#55
Styrene
Concen: 56.134 ug/L
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX039386.D
Acq: 20 Dec 2023 08:53

Tgt Ion:104 Resp: 254840
Ion Ratio Lower Upper
104 100
78 51.3 33.5 62.1

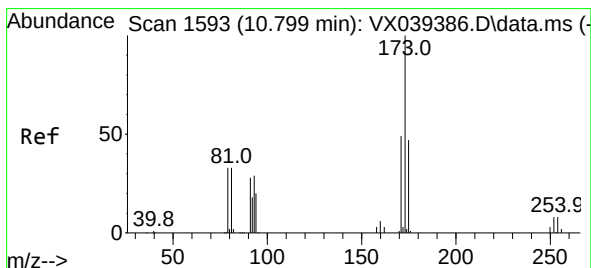
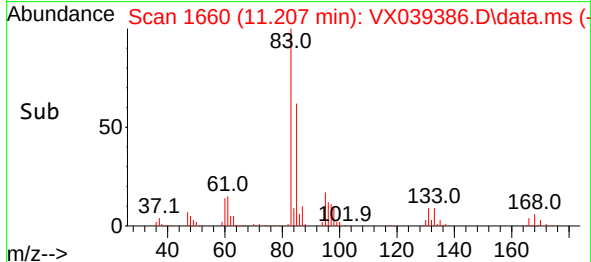
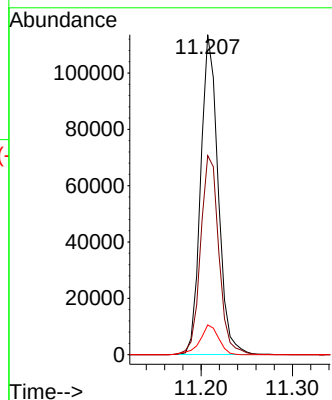
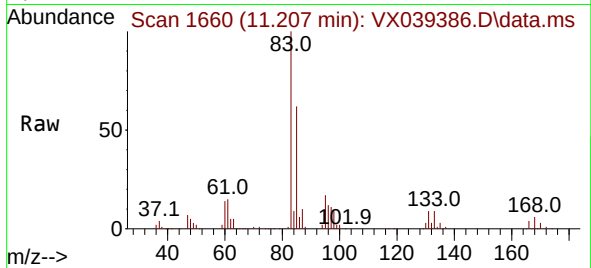




#57
1,1,2,2-Tetrachloroethane
Concen: 54.092 ug/L
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX039386.D
Acq: 20 Dec 2023 08:53

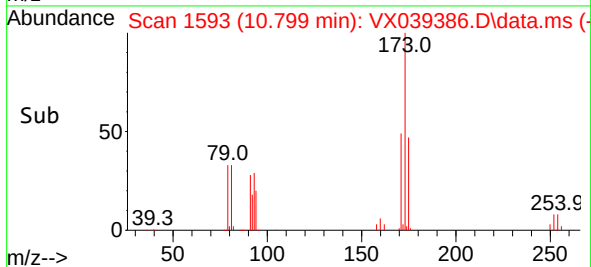
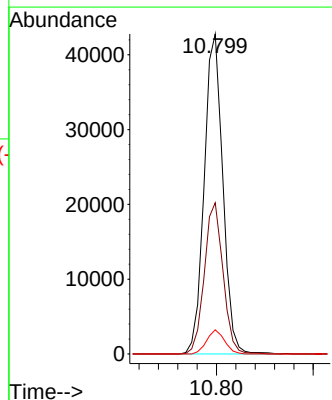
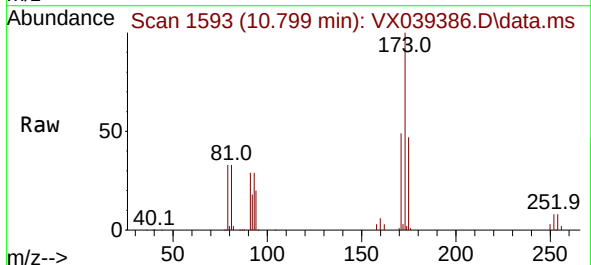
Instrument :
MSVOA_X
ClientSampleId :
VSTD050713

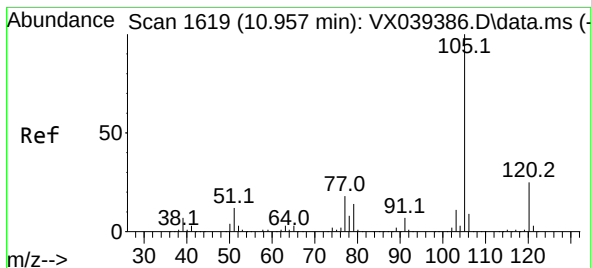
Tgt Ion: 83 Resp: 149677
Ion Ratio Lower Upper
83 100
85 62.2 45.2 84.0
131 9.3 7.2 10.8



#59
Bromoform
Concen: 49.740 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX039386.D
Acq: 20 Dec 2023 08:53

Tgt Ion: 173 Resp: 57307
Ion Ratio Lower Upper
173 100
175 47.2 38.7 58.1
254 7.2 6.2 9.2





#60

Isopropylbenzene

Concen: 56.482 ug/L

RT: 10.957 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX039386.D

Acq: 20 Dec 2023 08:53

Instrument :

MSVOA_X

ClientSampleId :

VSTD050713

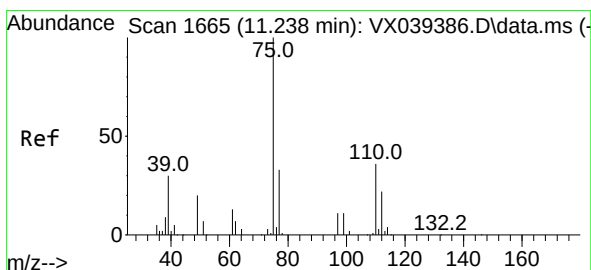
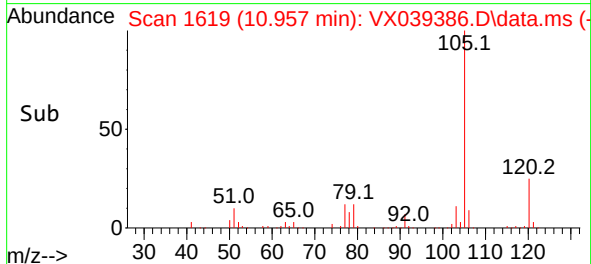
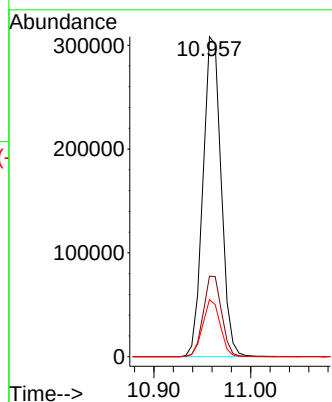
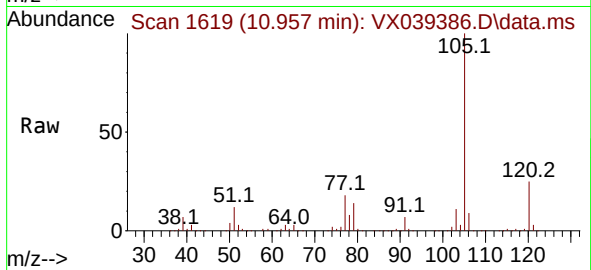
Tgt Ion:105 Resp: 404598

Ion Ratio Lower Upper

105 100

120 25.3 20.5 30.7

77 17.2 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 55.196 ug/L

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX039386.D

Acq: 20 Dec 2023 08:53

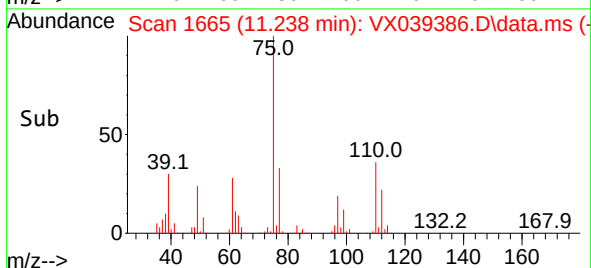
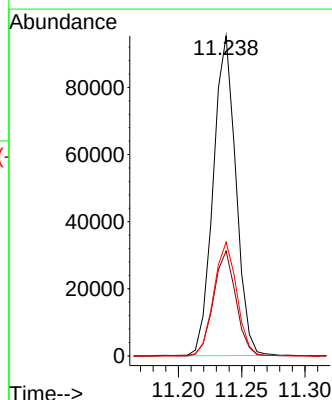
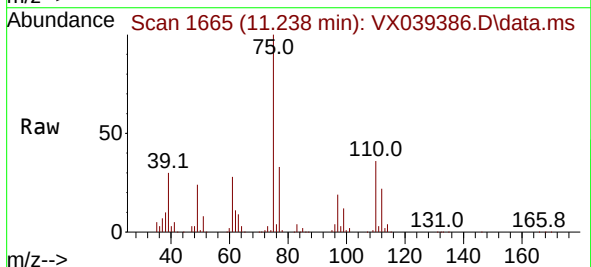
Tgt Ion: 75 Resp: 118532

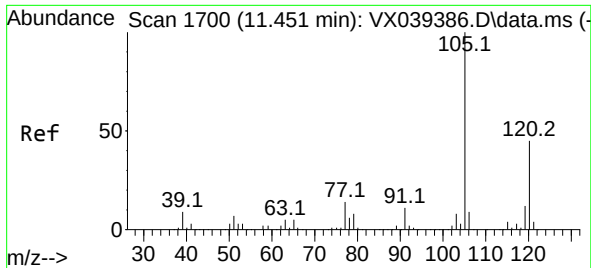
Ion Ratio Lower Upper

75 100

77 32.7 25.8 38.6

110 36.1 28.4 42.6

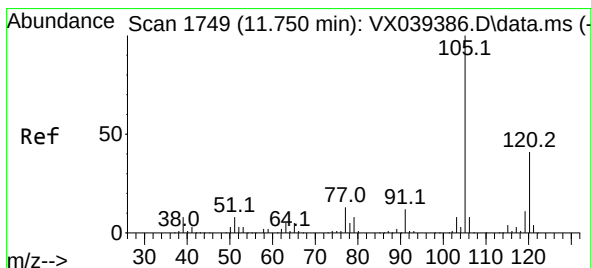
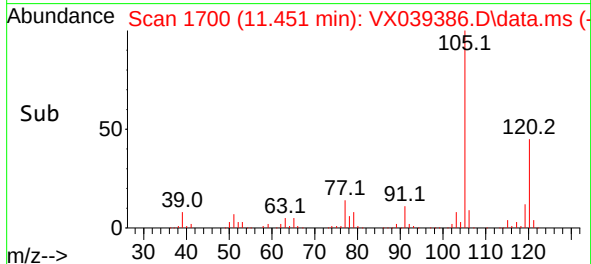
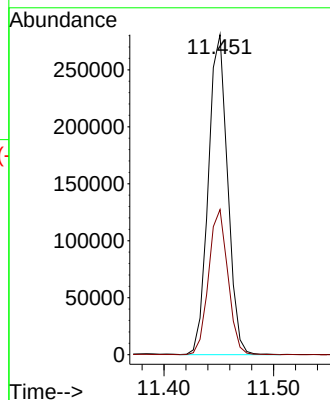
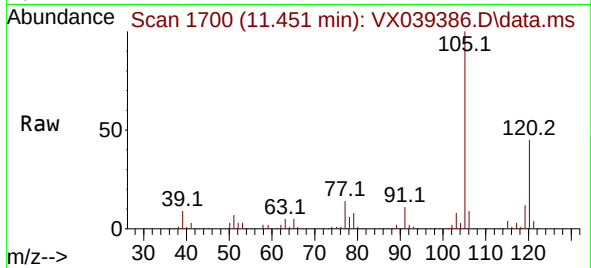




#62
 1,3,5-Trimethylbenzene
 Concen: 56.786 ug/L
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX039386.D
 Acq: 20 Dec 2023 08:53

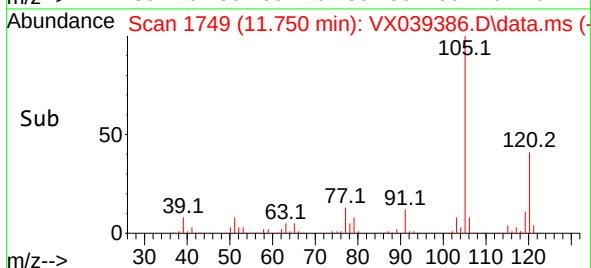
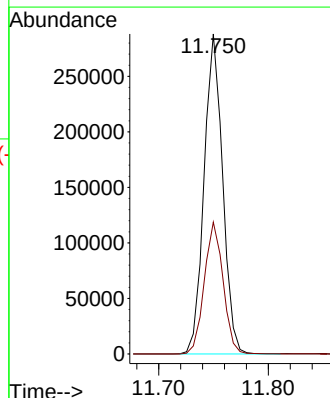
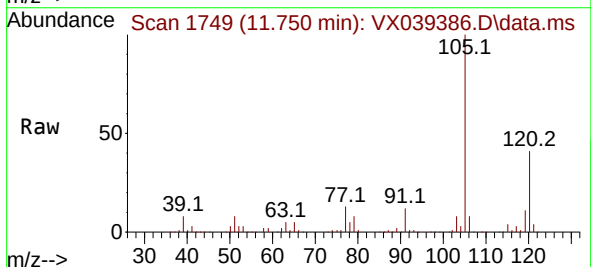
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050713

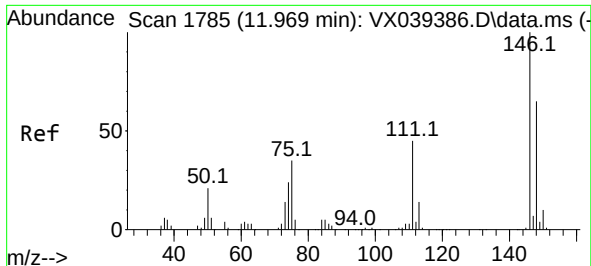
Tgt Ion:105 Resp: 343420
 Ion Ratio Lower Upper
 105 100
 120 45.3 37.0 55.6



#63
 1,2,4-Trimethylbenzene
 Concen: 57.041 ug/L
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX039386.D
 Acq: 20 Dec 2023 08:53

Tgt Ion:105 Resp: 338252
 Ion Ratio Lower Upper
 105 100
 120 41.8 34.9 52.3

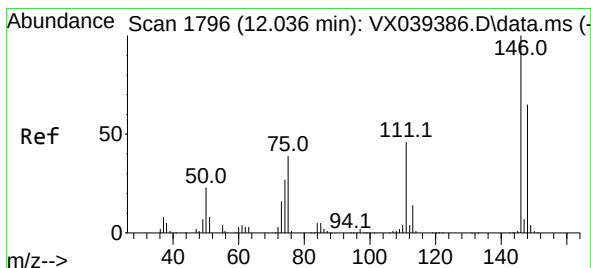
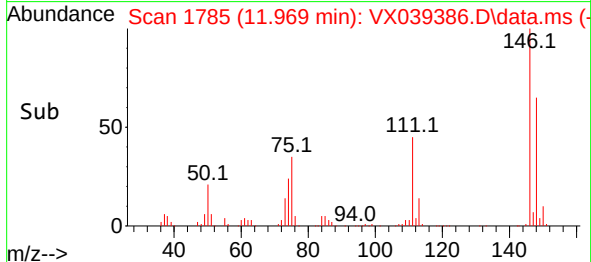
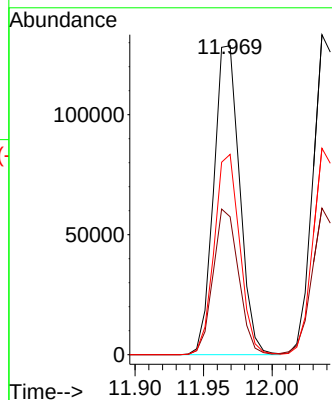
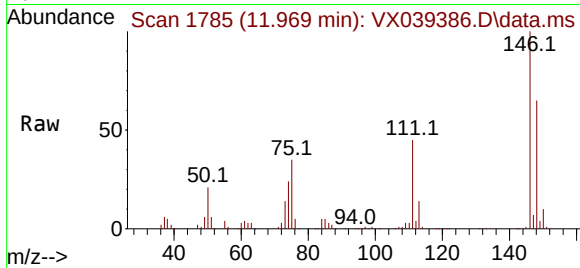




#64
1,3-Dichlorobenzene
Concen: 55.240 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX039386.D
Acq: 20 Dec 2023 08:53

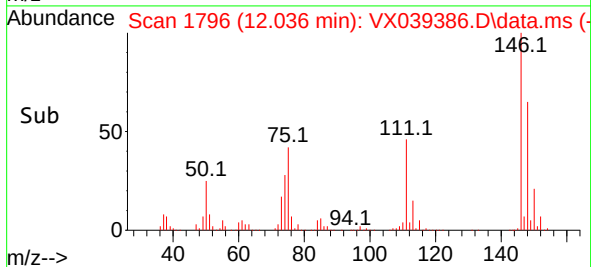
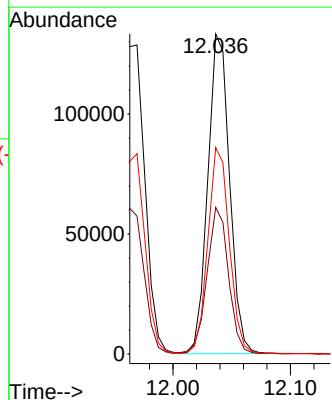
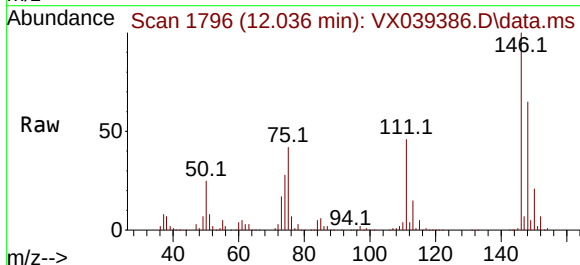
Instrument :
MSVOA_X
ClientSampleId :
VSTD050713

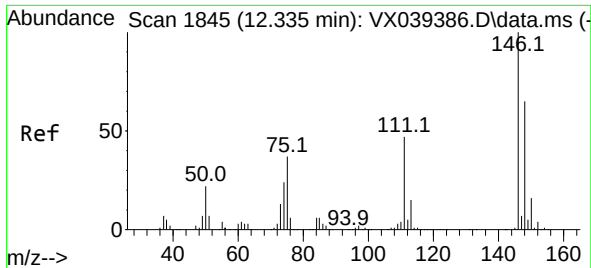
Tgt Ion:146 Resp: 169368
Ion Ratio Lower Upper
146 100
111 44.7 30.0 55.6
148 64.9 44.2 82.0



#65
1,4-Dichlorobenzene
Concen: 55.161 ug/L
RT: 12.036 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX039386.D
Acq: 20 Dec 2023 08:53

Tgt Ion:146 Resp: 171381
Ion Ratio Lower Upper
146 100
111 45.8 29.7 55.1
148 64.5 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 55.332 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX039386.D

Acq: 20 Dec 2023 08:53

Instrument :

MSVOA_X

ClientSampleId :

VSTD050713

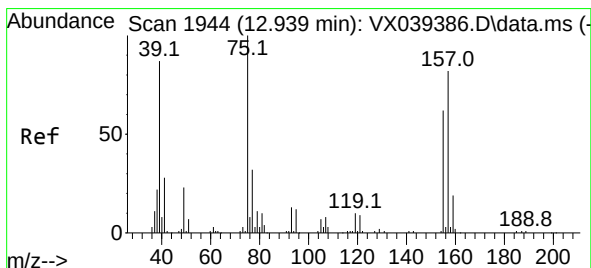
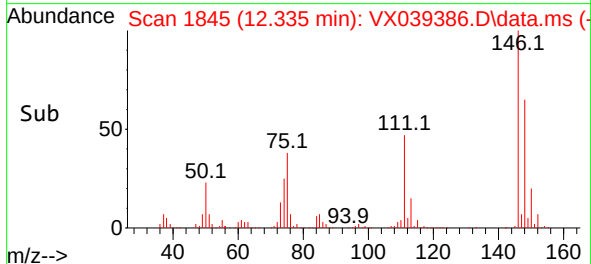
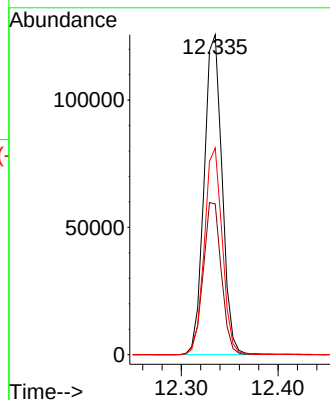
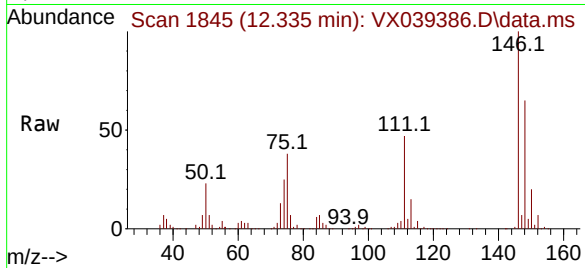
Tgt Ion:146 Resp: 162284

Ion Ratio Lower Upper

146 100

111 47.1 36.4 54.6

148 64.6 50.0 75.0



#68

1,2-Dibromo-3-chloropropane

Concen: 53.154 ug/L

RT: 12.939 min Scan# 1944

Delta R.T. 0.000 min

Lab File: VX039386.D

Acq: 20 Dec 2023 08:53

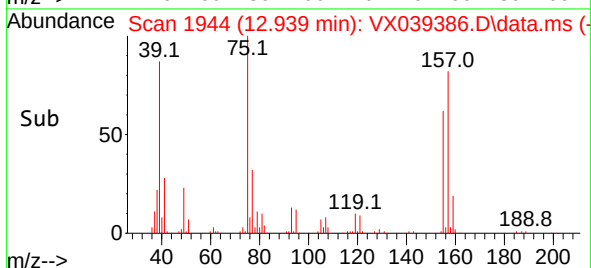
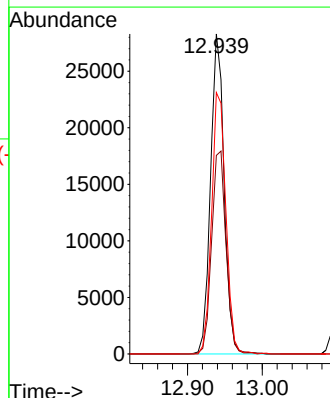
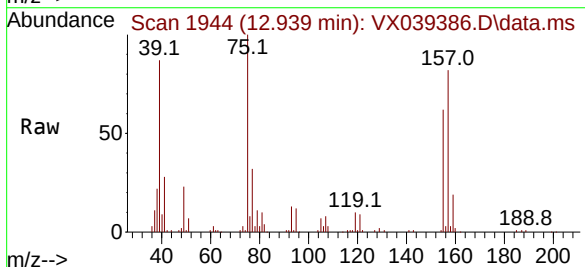
Tgt Ion: 75 Resp: 35625

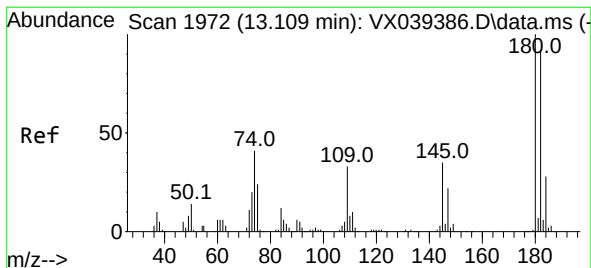
Ion Ratio Lower Upper

75 100

155 62.0 52.3 78.5

157 81.7 68.7 103.1





#69

1,3,5-Trichlorobenzene

Concen: 56.052 ug/L

RT: 13.109 min Scan# 1972

Delta R.T. 0.000 min

Lab File: VX039386.D

Acq: 20 Dec 2023 08:53

Instrument :

MSVOA_X

ClientSampleId :

VSTD050713

Tgt Ion:180 Resp: 113654

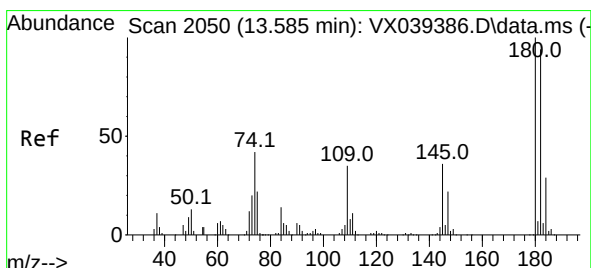
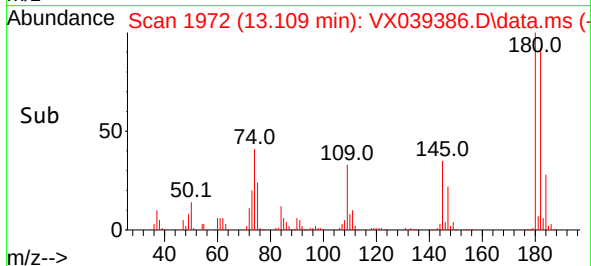
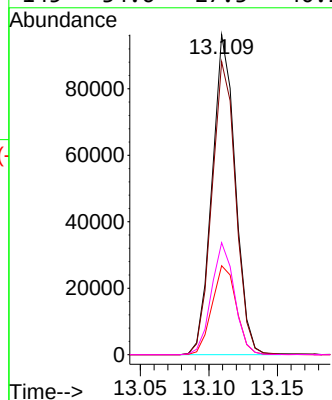
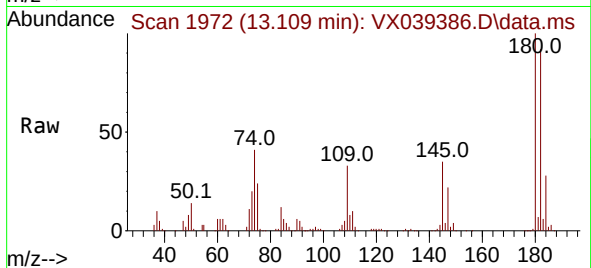
Ion Ratio Lower Upper

180 100

182 93.6 76.1 114.1

184 29.0 24.1 36.1

145 34.6 27.3 40.9



#70

1,2,4-trichlorobenzene

Concen: 54.472 ug/L

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX039386.D

Acq: 20 Dec 2023 08:53

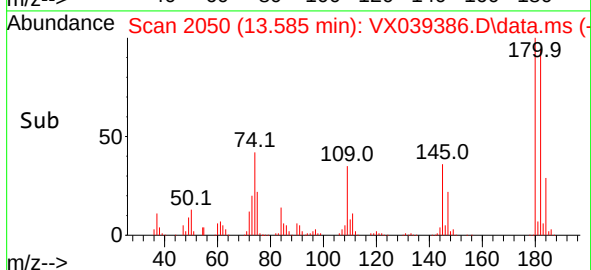
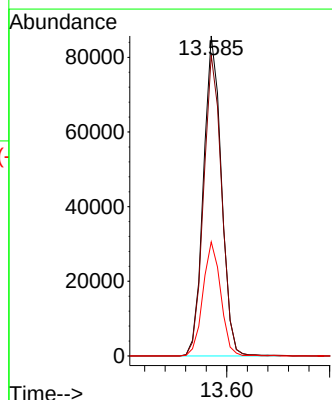
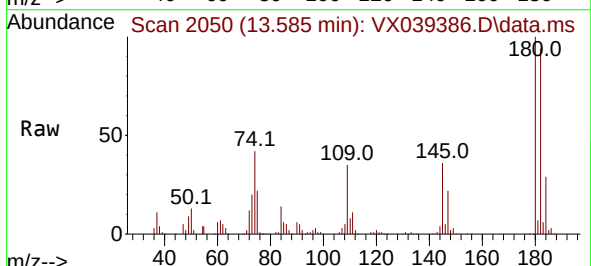
Tgt Ion:180 Resp: 104124

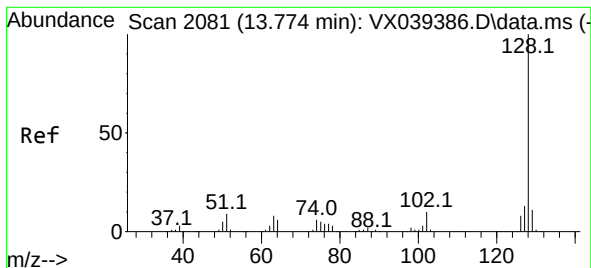
Ion Ratio Lower Upper

180 100

182 94.4 76.8 115.2

145 35.2 27.8 41.6





#71

Naphthalene

Concen: 53.637 ug/L

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX039386.D

Acq: 20 Dec 2023 08:53

Instrument :

MSVOA_X

ClientSampleId :

VSTD050713

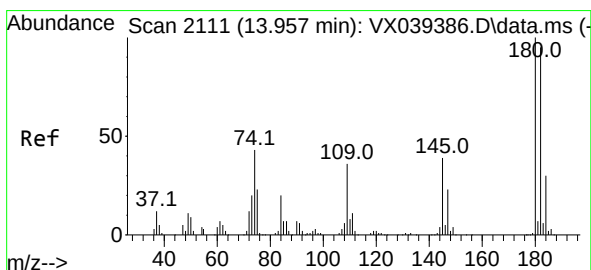
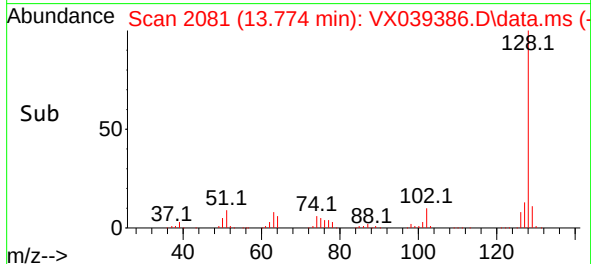
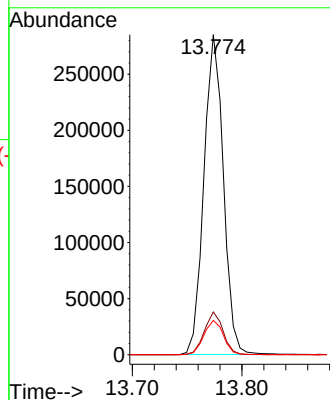
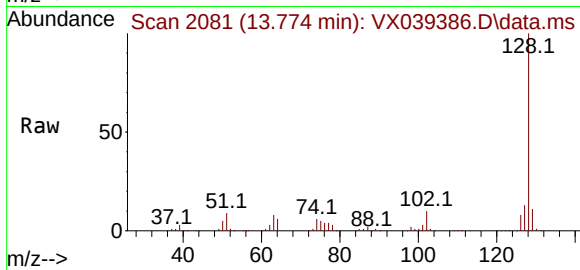
Tgt Ion:128 Resp: 351620

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 55.092 ug/L

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX039386.D

Acq: 20 Dec 2023 08:53

Tgt Ion:180 Resp: 101966

Ion Ratio Lower Upper

180 100

182 94.9 75.9 113.9

145 37.7 28.6 42.8

