

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041123\
 Data File : VX035003.D
 Acq On : 11 Apr 2023 12:00
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050625

Quant Time: Apr 12 01:56:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 12 01:54:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	477206	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	423782	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	215011	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	136493	42.943	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.880%		
7) Chloroethane-d5	1.672	69	111542	47.912	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	95.820%		
11) 1,1-Dichloroethene-d2	2.312	63	288631	44.797	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.600%		
21) 2-Butanone-d5	4.464	46	204576	96.840	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.840%		
24) Chloroform-d	5.056	84	293092	48.388	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.780%		
26) 1,2-Dichloroethane-d4	5.952	65	194035	46.666	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.340%		
32) Benzene-d6	5.970	84	555844	46.985	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.980%		
36) 1,2-Dichloropropane-d6	7.305	67	174504	47.950	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.900%		
41) Toluene-d8	8.646	98	511217	47.179	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.360%		
43) trans-1,3-Dichloroprop...	8.945	79	78214	46.800	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.600%		
47) 2-Hexanone-d5	9.384	63	144023	99.015	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.010%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	223449	49.407	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.820%		
66) 1,2-Dichlorobenzene-d4	12.323	152	190277	48.228	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.460%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	196358	47.379	ug/L	99
3) Chloromethane	1.294	50	186256	47.813	ug/L	99
5) Vinyl chloride	1.373	62	185206	46.909	ug/L	99
6) Bromomethane	1.617	94	112774	50.548	ug/L	96
8) Chloroethane	1.690	64	109254	49.174	ug/L	99
9) Trichlorofluoromethane	1.892	101	250466	45.596	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	167319	49.086	ug/L	98
12) 1,1-Dichloroethene	2.318	96	145017	47.803	ug/L	93
13) Acetone	2.398	43	205500	98.382	ug/L	100
14) Carbon disulfide	2.513	76	362545	44.451	ug/L	100
15) Methyl Acetate	2.708	43	169348	47.238	ug/L	99
16) Methylene chloride	2.788	84	165110	49.605	ug/L	99
17) trans-1,2-Dichloroethene	3.093	96	149288	47.851	ug/L	98
18) Methyl tert-butyl Ether	3.111	73	544692	49.947	ug/L	99
19) 1,1-Dichloroethane	3.605	63	305129	49.114	ug/L	98
20) cis-1,2-Dichloroethene	4.483	96	174648	48.933	ug/L	98
22) 2-Butanone	4.568	43	260961	97.804	ug/L	98
23) Bromochloromethane	4.897	128	86629	49.068	ug/L	96
25) Chloroform	5.086	83	318158	49.934	ug/L	99

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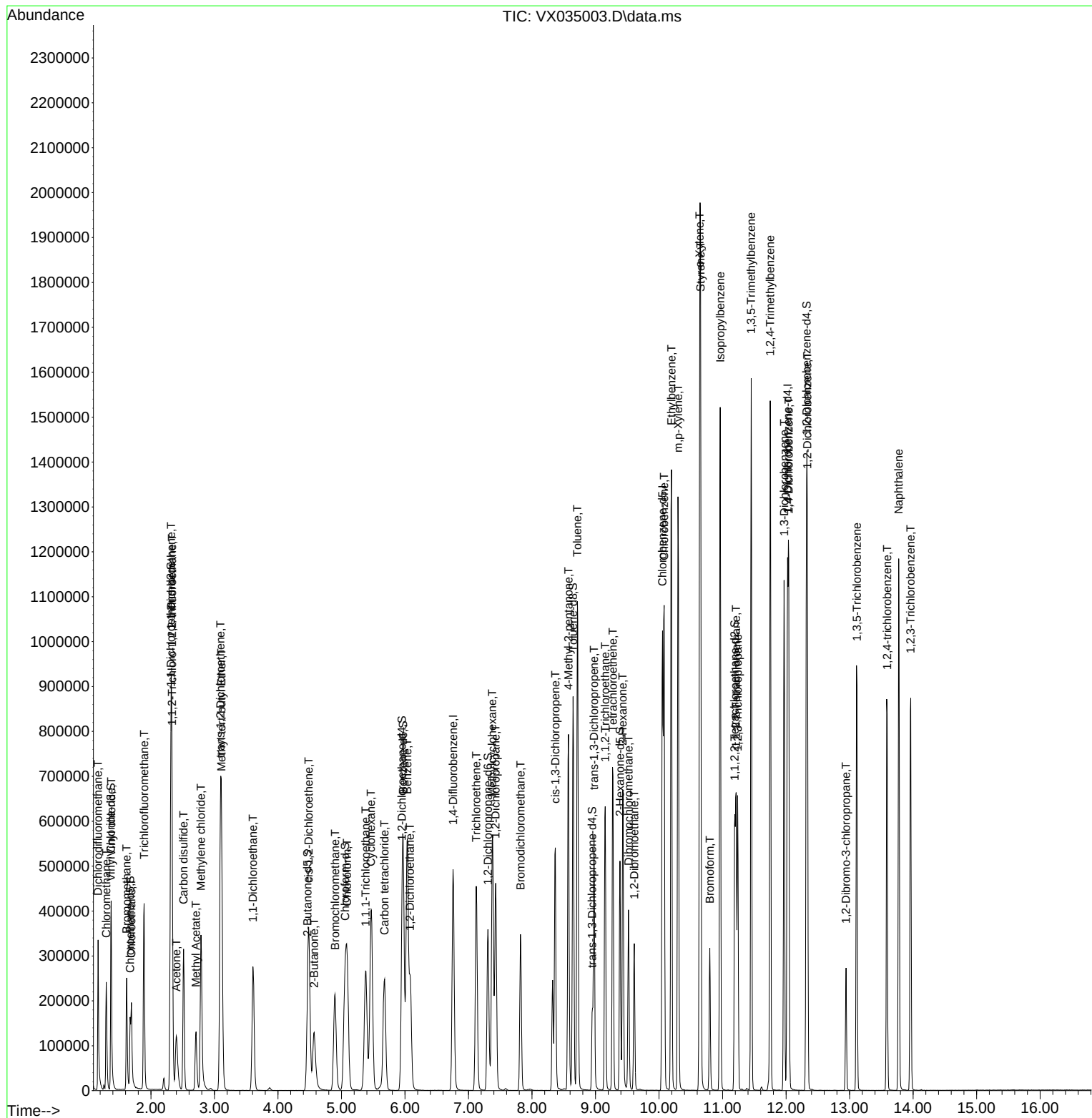
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.080	62	270447	50.119	ug/L	99
29) Cyclohexane	5.464	56	278606	47.810	ug/L	99
30) 1,1,1-Trichloroethane	5.379	97	267008	47.647	ug/L	100
31) Carbon tetrachloride	5.677	117	228261	47.255	ug/L	99
33) Benzene	6.037	78	668409	49.457	ug/L	100
34) Trichloroethene	7.122	95	177590	48.738	ug/L	99
35) Methylcyclohexane	7.372	83	255114	48.565	ug/L	99
37) 1,2-Dichloropropane	7.427	63	177253	49.496	ug/L	100
38) Bromodichloromethane	7.817	83	219560	48.457	ug/L	100
39) cis-1,3-Dichloropropene	8.366	75	274357	50.129	ug/L	99
40) 4-Methyl-2-pentanone	8.573	43	471804	99.149	ug/L	100
42) Toluene	8.714	91	694886	49.645	ug/L	100
44) trans-1,3-Dichloropropene	8.976	75	252197	50.052	ug/L	97
45) 1,1,2-Trichloroethane	9.152	97	168368	50.418	ug/L	97
46) Tetrachloroethene	9.274	164	132923	48.967	ug/L	99
48) 2-Hexanone	9.427	43	372204	99.788	ug/L	98
49) Dibromochloromethane	9.518	129	165614	50.420	ug/L	99
50) 1,2-Dibromoethane	9.610	107	176106	50.252	ug/L	98
51) Chlorobenzene	10.079	112	451200	50.012	ug/L	99
52) Ethylbenzene	10.195	91	800919	50.421	ug/L	99
53) m,p-Xylene	10.299	106	303329	50.681	ug/L	98
54) o-Xylene	10.640	106	296760	50.324	ug/L	100
55) Styrene	10.652	104	503673	50.944	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.213	83	247945	50.003	ug/L	100
59) Bromoform	10.799	173	107945	47.089	ug/L	99
60) Isopropylbenzene	10.963	105	777540	49.519	ug/L	99
61) 1,2,3-Trichloropropane	11.237	75	195926	47.523	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	644135	49.477	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	650048	50.568	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	338563	48.403	ug/L	99
65) 1,4-Dichlorobenzene	12.042	146	346139	48.943	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	336076	48.772	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.944	75	50200	47.566	ug/L	93
69) 1,3,5-Trichlorobenzene	13.115	180	220359	50.364	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	200534	49.273	ug/L	99
71) Naphthalene	13.774	128	704859	50.682	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	202239	49.487	ug/L	99

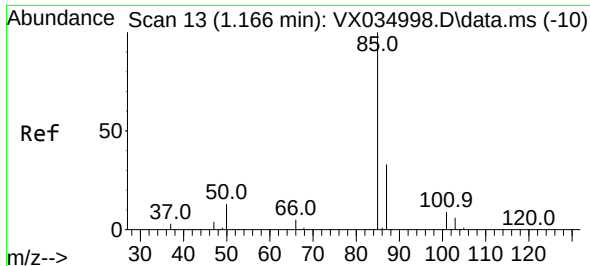
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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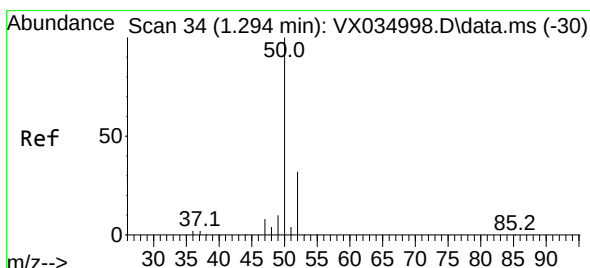
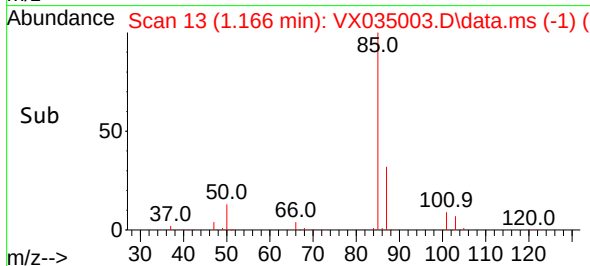
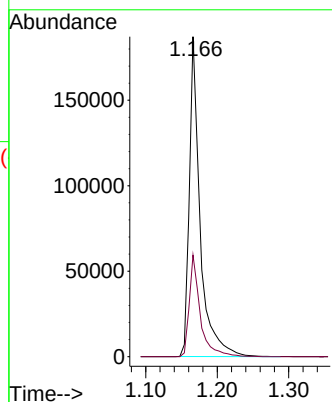
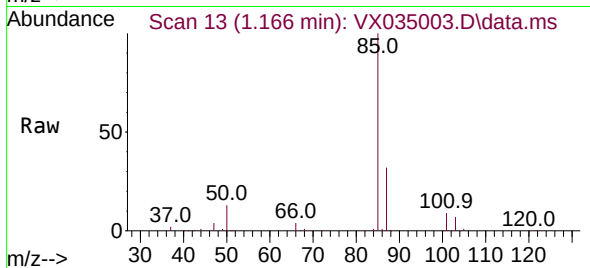




#2
Dichlorodifluoromethane
Concen: 47.379 ug/L
RT: 1.166 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00

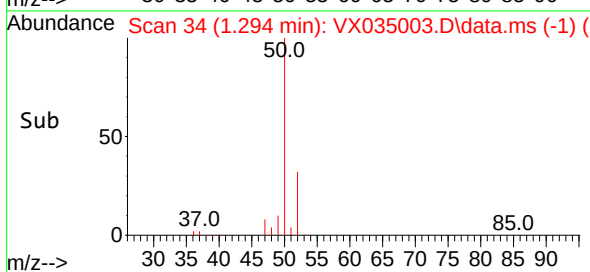
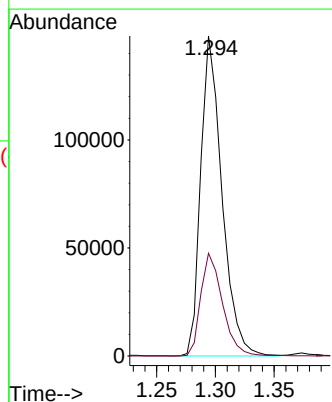
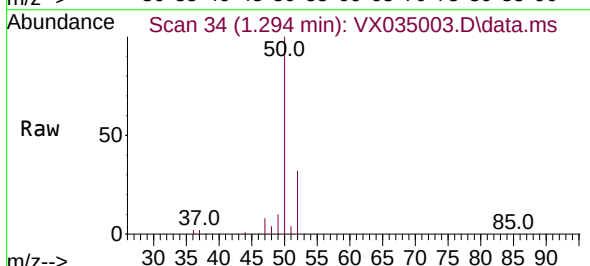
Instrument :
MSVOA_X
ClientSampleId :
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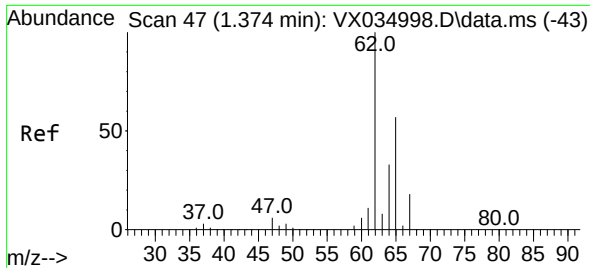
Tgt Ion: 85 Resp: 196358
Ion Ratio Lower Upper
85 100
87 32.5 25.7 38.5



#3
Chloromethane
Concen: 47.813 ug/L
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00

Tgt Ion: 50 Resp: 186256
Ion Ratio Lower Upper
50 100
52 32.1 22.9 42.5

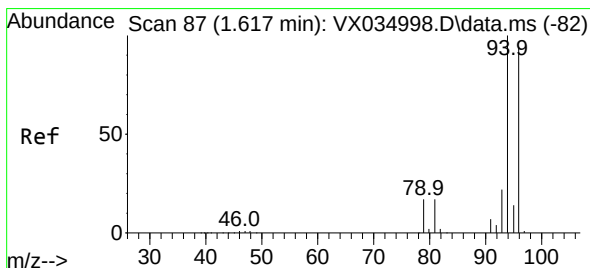
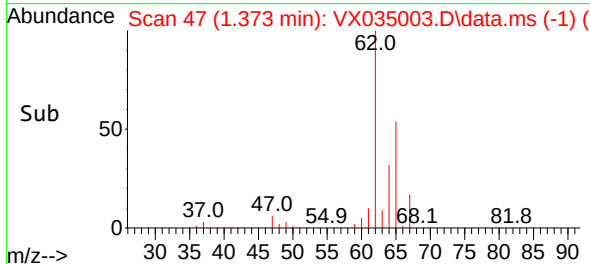
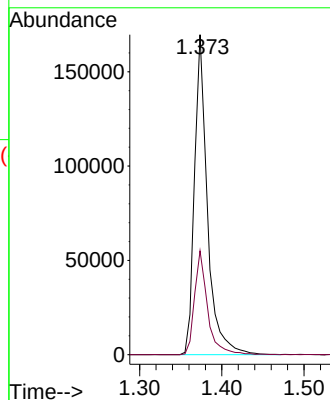
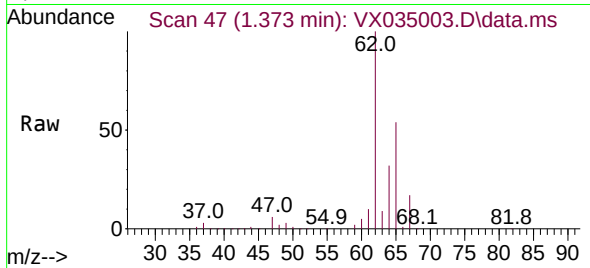




#5
 Vinyl chloride
 Concen: 46.909 ug/L
 RT: 1.373 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX035003.D
 Acq: 11 Apr 2023 12:00

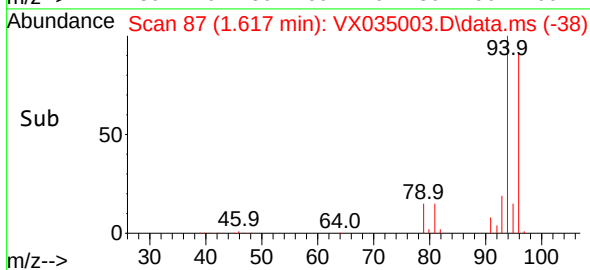
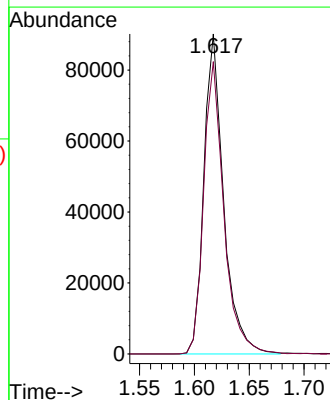
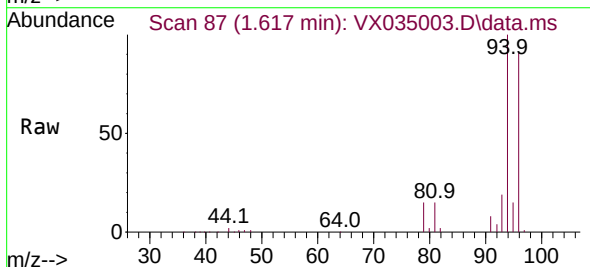
Instrument :
 MSVOA_X
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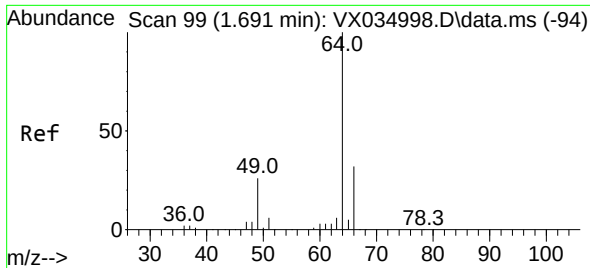
Tgt Ion: 62 Resp: 185206
 Ion Ratio Lower Upper
 62 100
 64 32.4 22.3 41.3



#6
 Bromomethane
 Concen: 50.548 ug/L
 RT: 1.617 min Scan# 87
 Delta R.T. -0.000 min
 Lab File: VX035003.D
 Acq: 11 Apr 2023 12:00

Tgt Ion: 94 Resp: 112774
 Ion Ratio Lower Upper
 94 100
 96 91.3 66.6 123.6

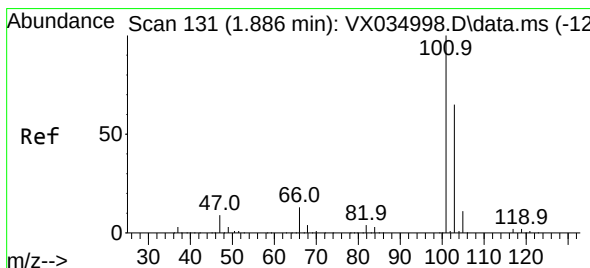
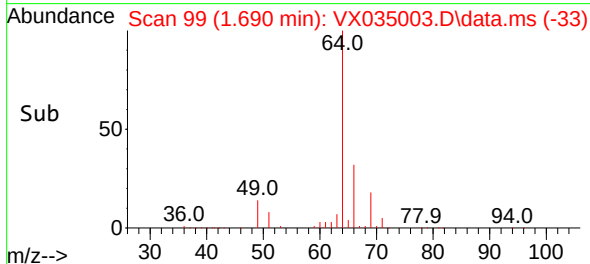
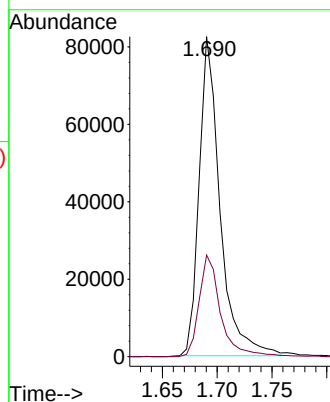
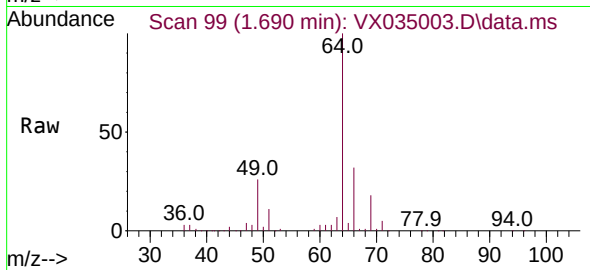




#8
Chloroethane
Concen: 49.174 ug/L
RT: 1.690 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00

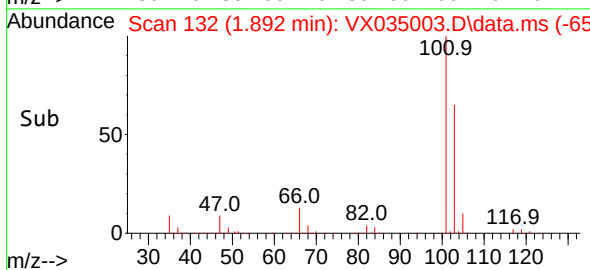
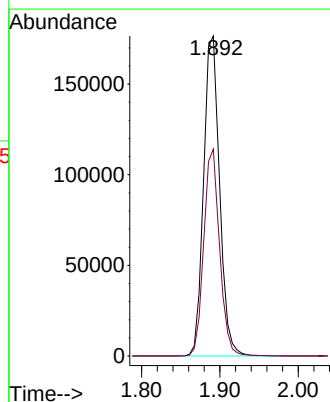
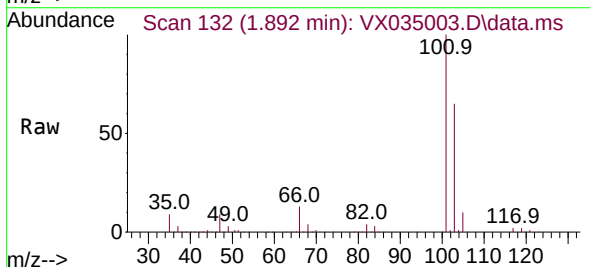
Instrument :
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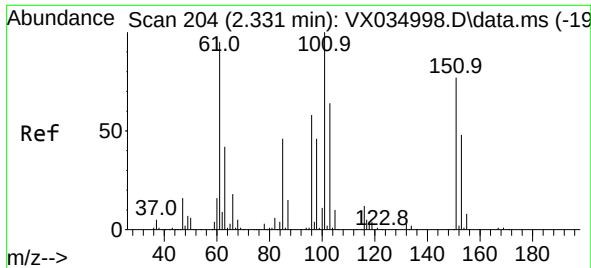
Tgt Ion: 64 Resp: 109254
Ion Ratio Lower Upper
64 100
66 31.8 21.8 40.4



#9
Trichlorofluoromethane
Concen: 45.596 ug/L
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00

Tgt Ion:101 Resp: 250466
Ion Ratio Lower Upper
101 100
103 63.7 51.9 77.9

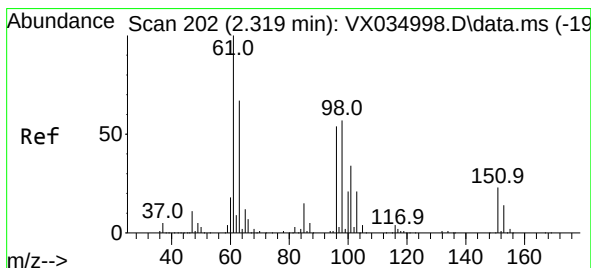
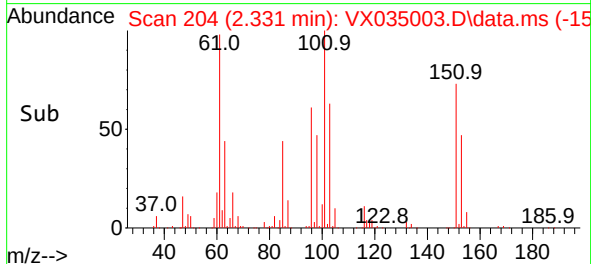
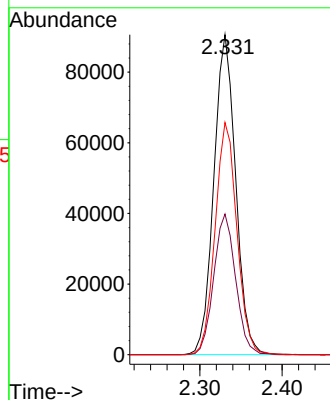
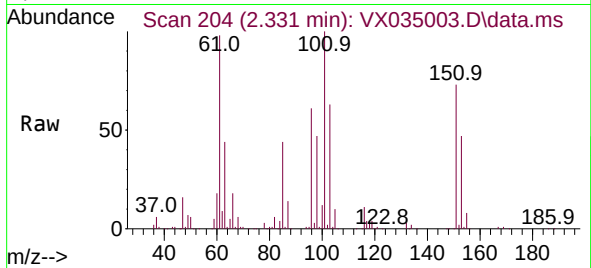




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 49.086 ug/L
 RT: 2.331 min Scan# 204
 Delta R.T. -0.000 min
 Lab File: VX035003.D
 Acq: 11 Apr 2023 12:00

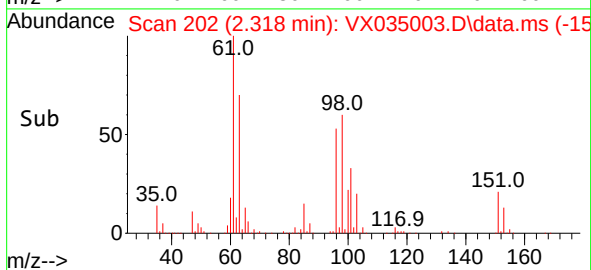
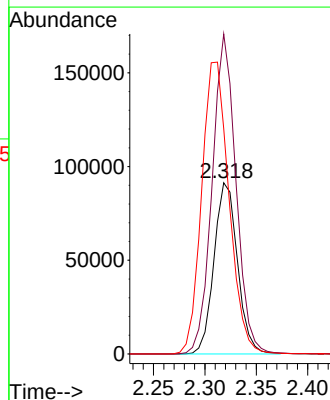
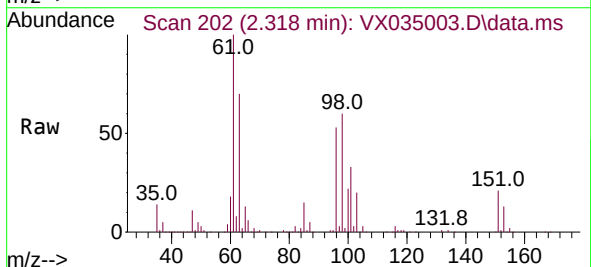
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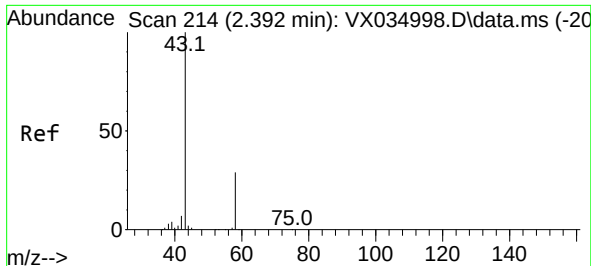
Tgt Ion:101 Resp: 167319
 Ion Ratio Lower Upper
 101 100
 85 44.0 36.4 54.6
 151 72.4 59.7 89.5



#12
 1,1-Dichloroethene
 Concen: 47.803 ug/L
 RT: 2.318 min Scan# 202
 Delta R.T. -0.000 min
 Lab File: VX035003.D
 Acq: 11 Apr 2023 12:00

Tgt Ion: 96 Resp: 145017
 Ion Ratio Lower Upper
 96 100
 61 186.9 132.4 245.8
 63 131.7 105.5 195.9





#13

Acetone

Concen: 98.382 ug/L

RT: 2.398 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX035003.D

Acq: 11 Apr 2023 12:00

Instrument :

MSVOA_X

ClientSampleId :

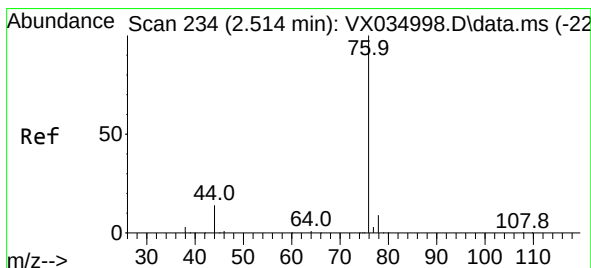
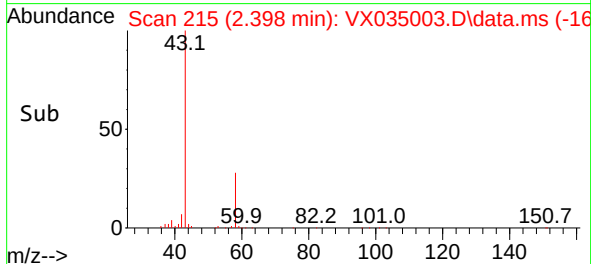
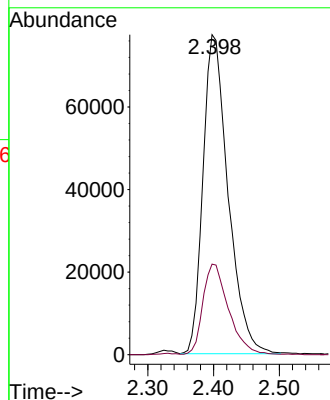
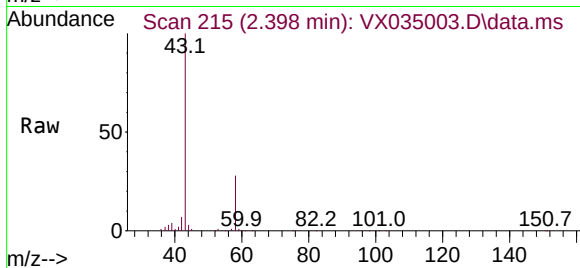
VSTD050625

Tgt Ion: 43 Resp: 205500

Ion Ratio Lower Upper

43 100

58 29.0 0.0 57.4



#14

Carbon disulfide

Concen: 44.451 ug/L

RT: 2.513 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX035003.D

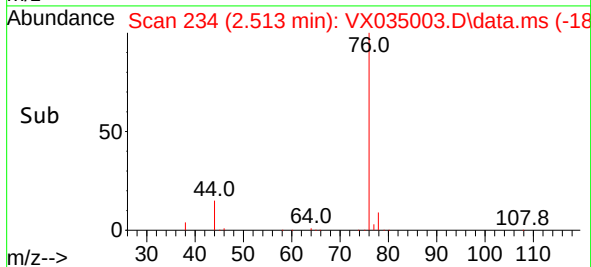
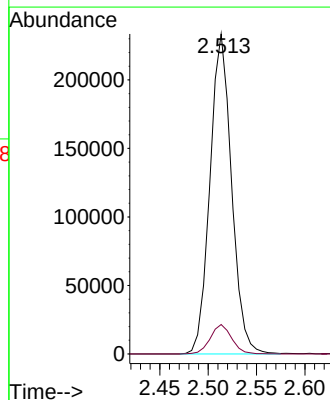
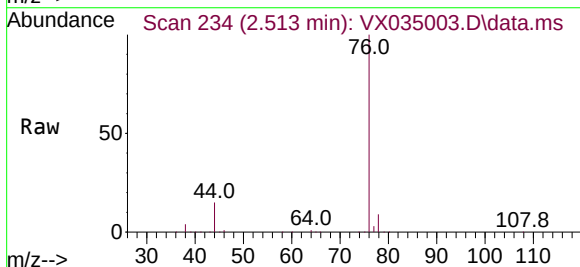
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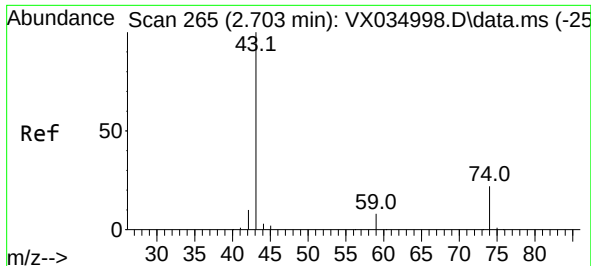
Tgt Ion: 76 Resp: 362545

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

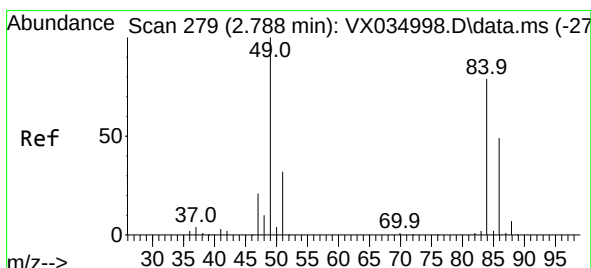
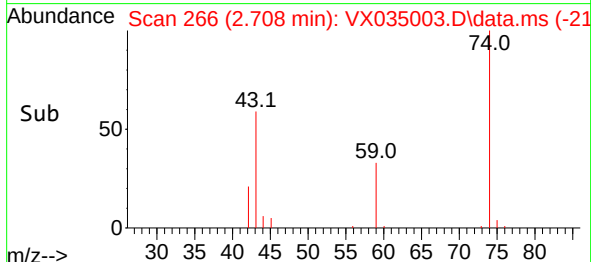
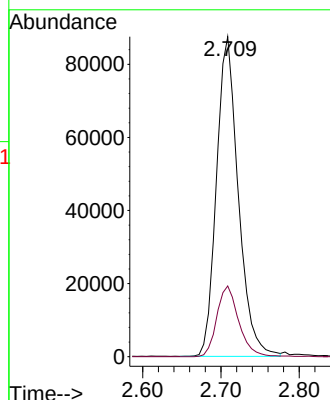
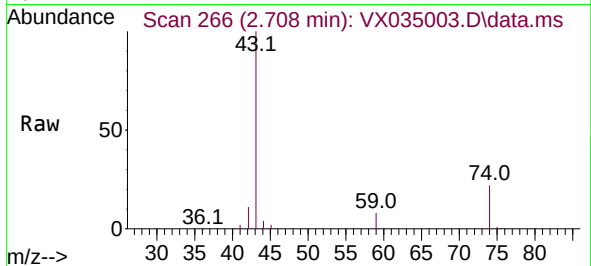




#15
Methyl Acetate
Concen: 47.238 ug/L
RT: 2.708 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00

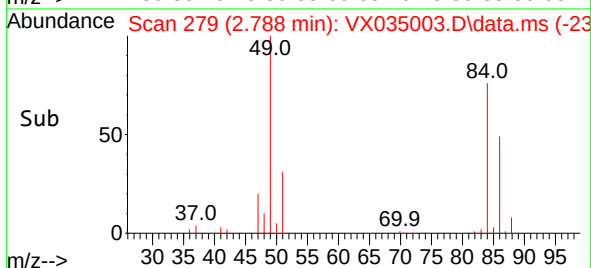
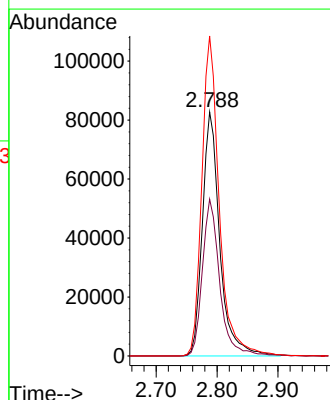
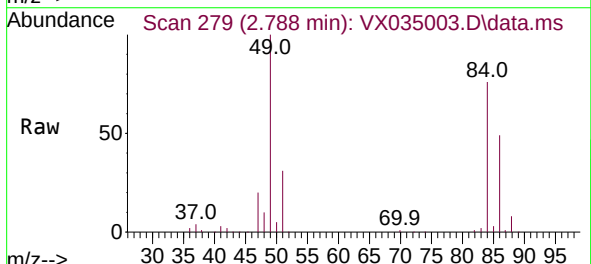
Instrument :
MSVOA_X
ClientSampleId :
VSTD050625

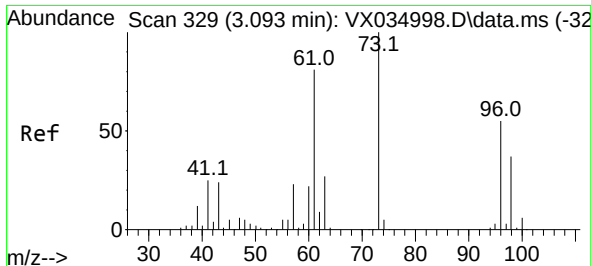
Tgt Ion: 43 Resp: 169348
Ion Ratio Lower Upper
43 100
74 22.1 17.5 26.3



#16
Methylene chloride
Concen: 49.605 ug/L
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00

Tgt Ion: 84 Resp: 165110
Ion Ratio Lower Upper
84 100
86 64.2 44.7 82.9
49 131.1 92.3 171.5

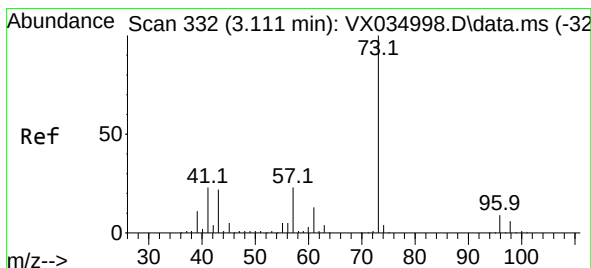
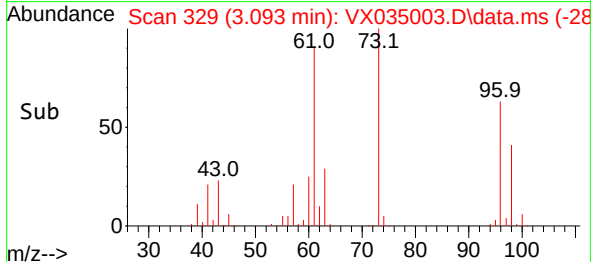
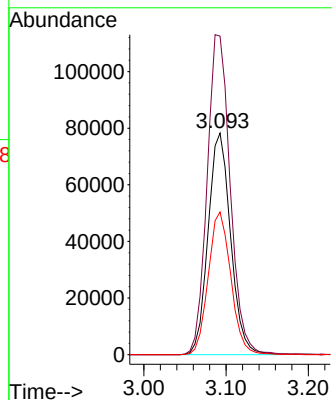
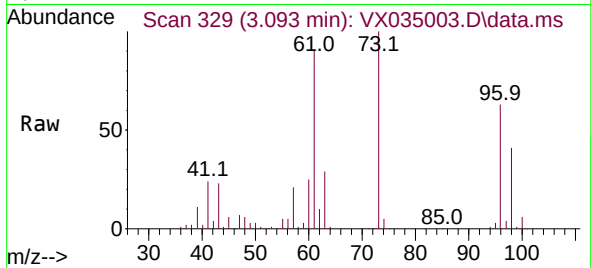




#17
trans-1,2-Dichloroethene
Concen: 47.851 ug/L
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00

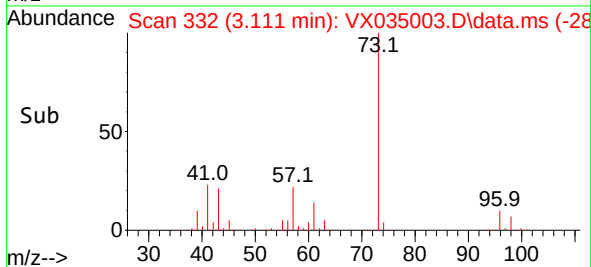
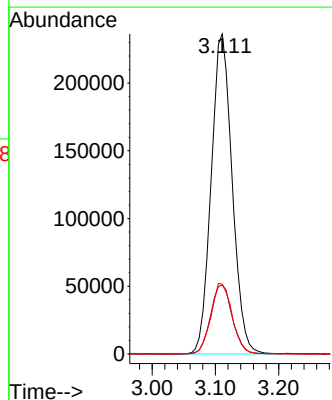
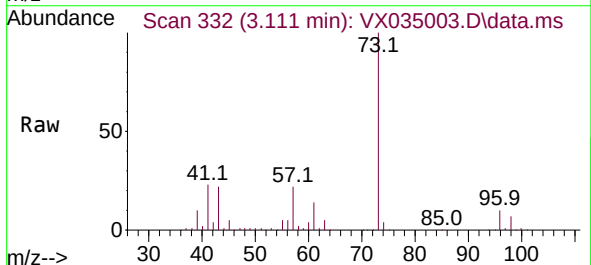
Instrument :
MSVOA_X
ClientSampleId :
VSTD050625

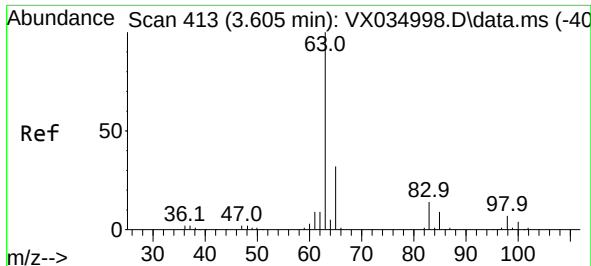
Tgt Ion: 96 Resp: 149288
Ion Ratio Lower Upper
96 100
61 143.8 102.0 189.4
98 64.4 44.2 82.0



#18
Methyl tert-butyl Ether
Concen: 49.947 ug/L
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00

Tgt Ion: 73 Resp: 544692
Ion Ratio Lower Upper
73 100
43 22.4 18.2 27.2
57 22.3 17.7 26.5





#19

1,1-Dichloroethane

Concen: 49.114 ug/L

RT: 3.605 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX035003.D

Acq: 11 Apr 2023 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTD050625

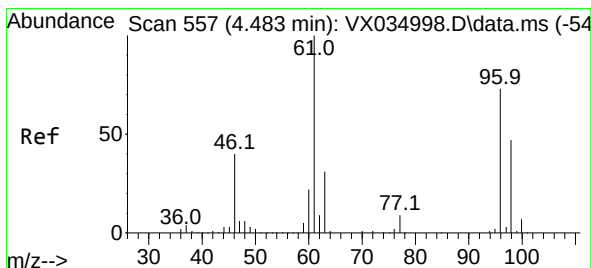
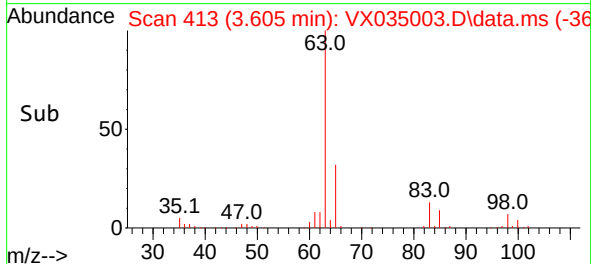
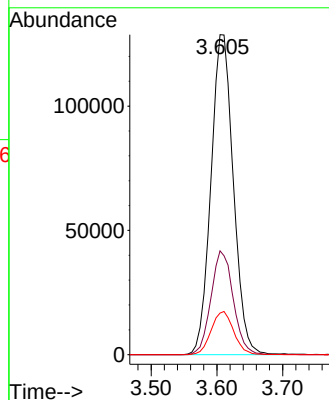
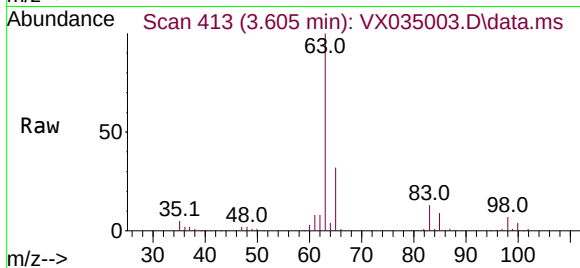
Tgt Ion: 63 Resp: 305129

Ion Ratio Lower Upper

63 100

65 32.4 22.1 41.1

83 13.0 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 48.933 ug/L

RT: 4.483 min Scan# 557

Delta R.T. -0.000 min

Lab File: VX035003.D

Acq: 11 Apr 2023 12:00

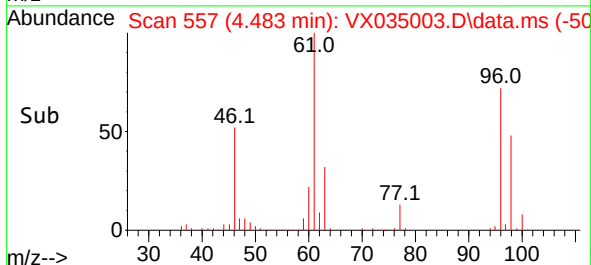
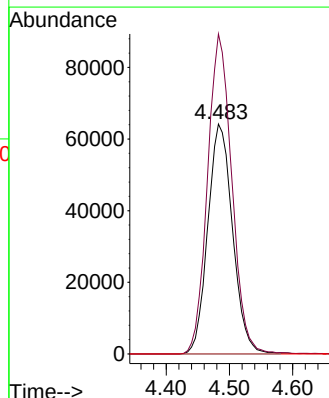
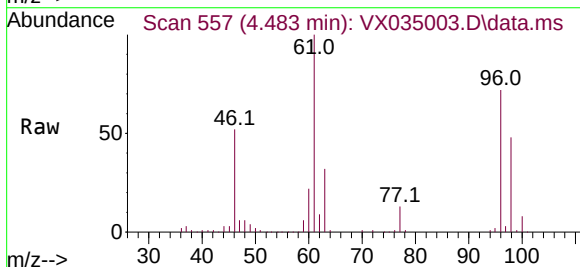
Tgt Ion: 96 Resp: 174648

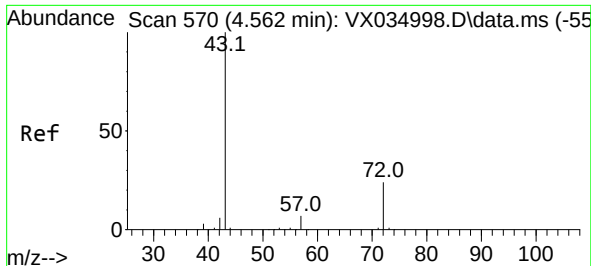
Ion Ratio Lower Upper

96 100

61 139.1 95.7 177.7

68 0.0 0.0 0.0

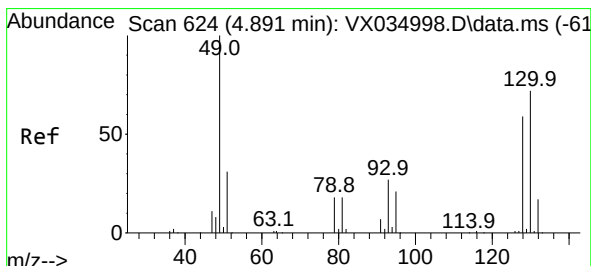
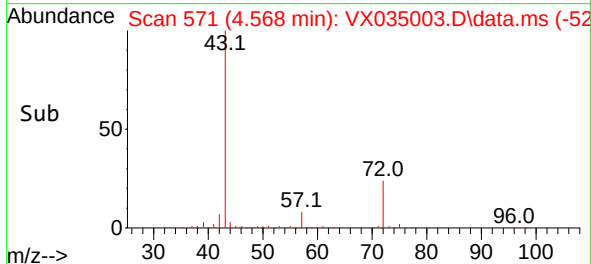
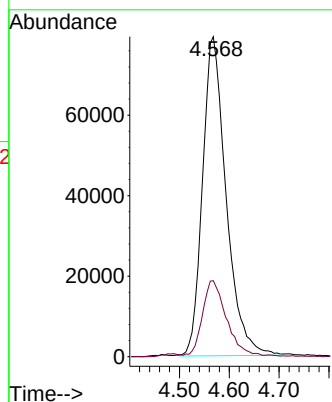
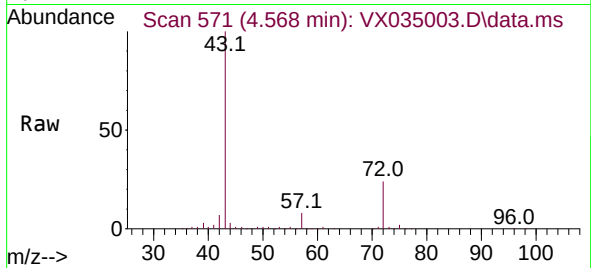




#22
2-Butanone
Concen: 97.804 ug/L
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00

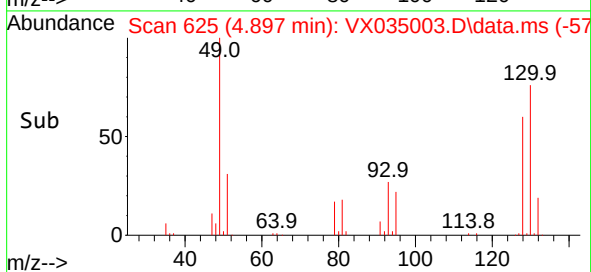
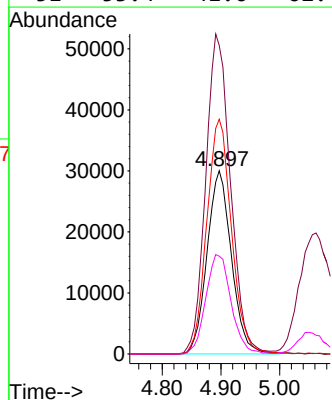
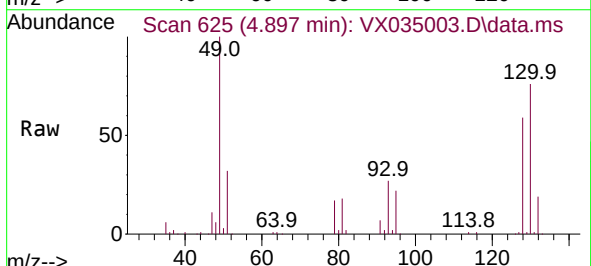
Instrument :
MSVOA_X
ClientSampleId :
VSTD050625

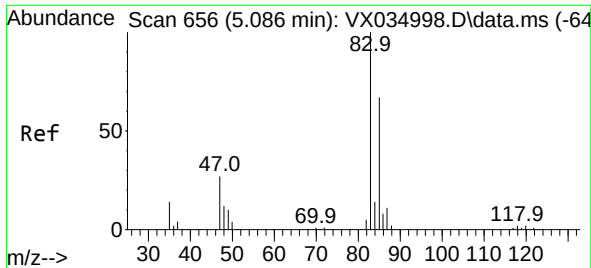
Tgt Ion: 43 Resp: 260961
Ion Ratio Lower Upper
43 100
72 24.1 11.5 34.5



#23
Bromochloromethane
Concen: 49.068 ug/L
RT: 4.897 min Scan# 625
Delta R.T. 0.006 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00

Tgt Ion: 128 Resp: 86629
Ion Ratio Lower Upper
128 100
49 168.4 123.9 230.1
130 128.1 92.1 171.1
51 53.4 41.6 62.4

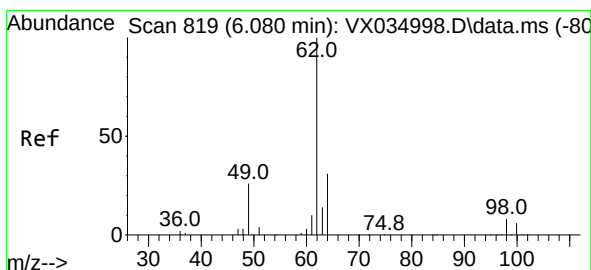
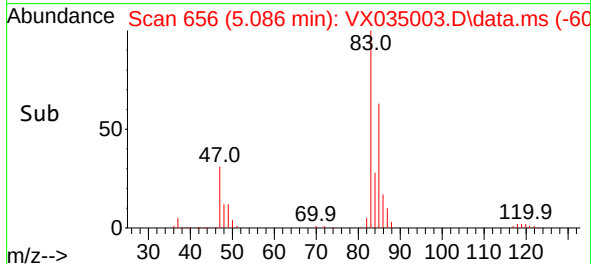
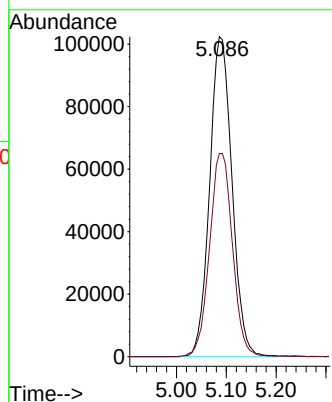
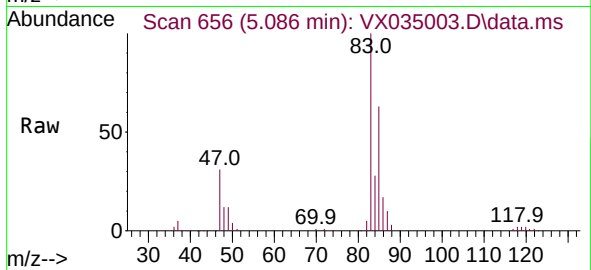




#25
Chloroform
Concen: 49.934 ug/L
RT: 5.086 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00

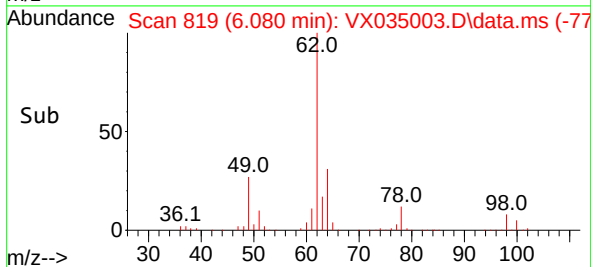
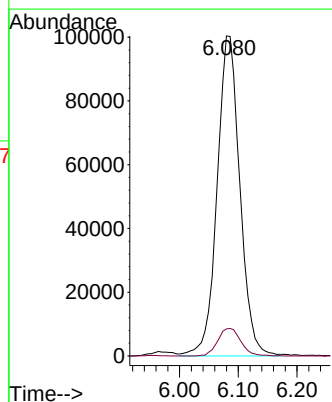
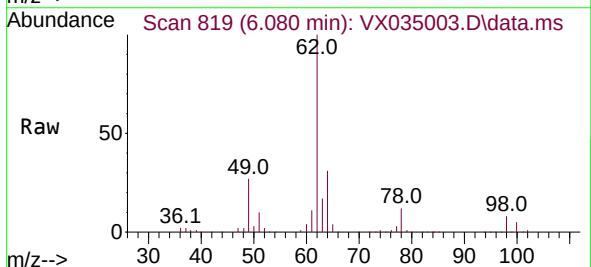
Instrument :
MSVOA_X
ClientSampleId :
VSTD050625

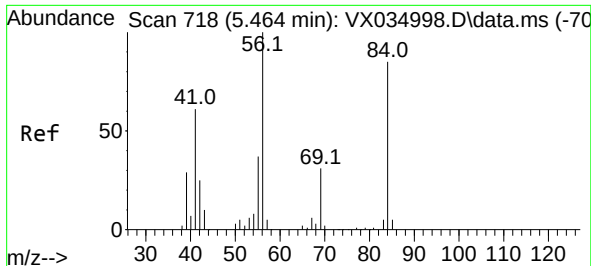
Tgt Ion: 83 Resp: 318158
Ion Ratio Lower Upper
83 100
85 63.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 50.119 ug/L
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00

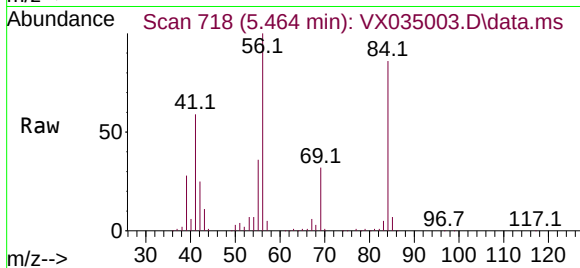
Tgt Ion: 62 Resp: 270447
Ion Ratio Lower Upper
62 100
98 8.5 7.0 10.6



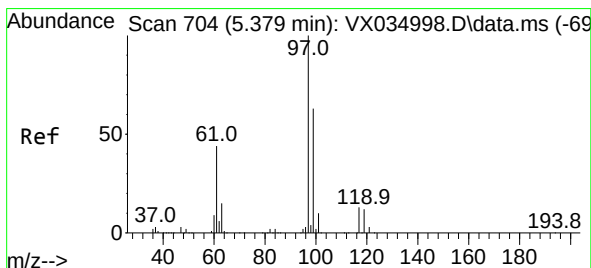
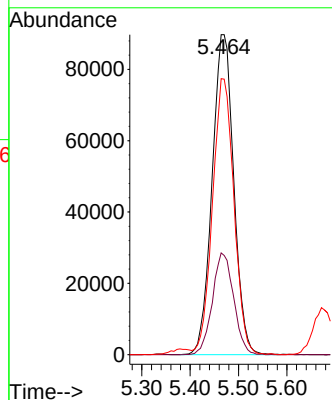
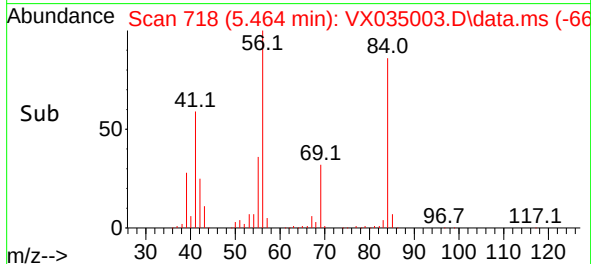


#29
Cyclohexane
Concen: 47.810 ug/L
RT: 5.464 min Scan# 718
Delta R.T. -0.000 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00

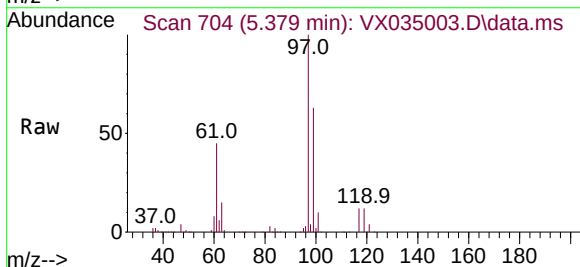
Instrument :
MSVOA_X
ClientSampleId :
VSTD050625



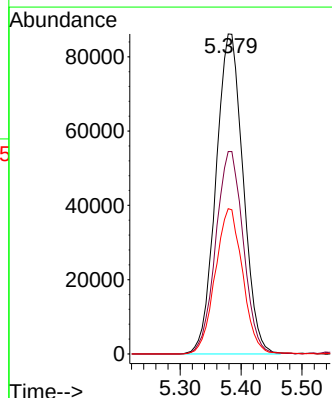
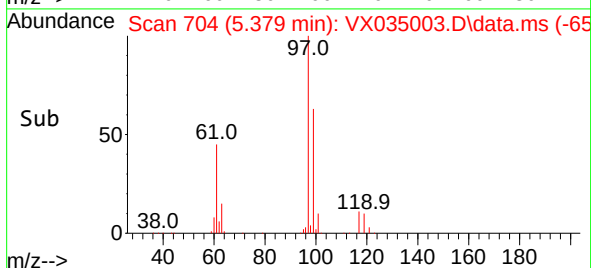
Tgt Ion: 56 Resp: 278606
Ion Ratio Lower Upper
56 100
69 31.2 24.5 36.7
84 85.4 69.4 104.2

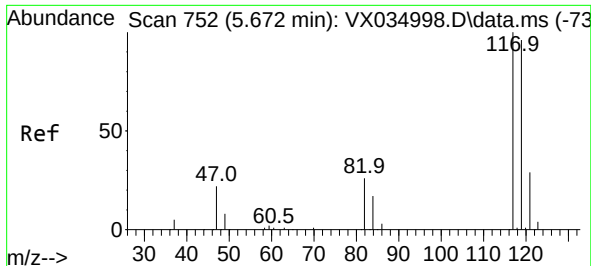


#30
1,1,1-Trichloroethane
Concen: 47.647 ug/L
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00



Tgt Ion: 97 Resp: 267008
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.4
61 45.7 36.8 55.2

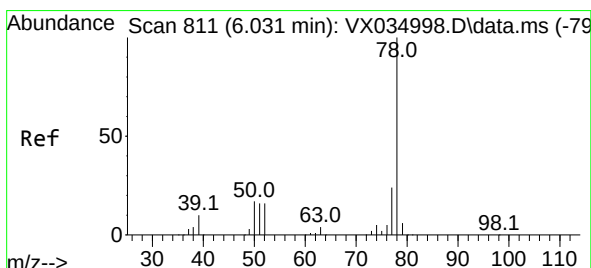
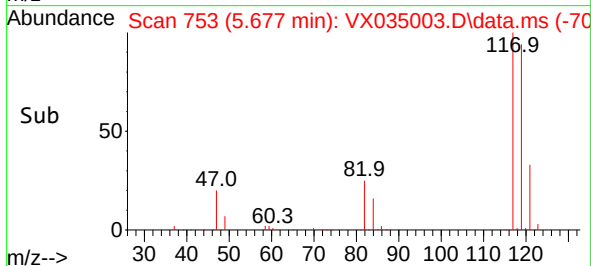
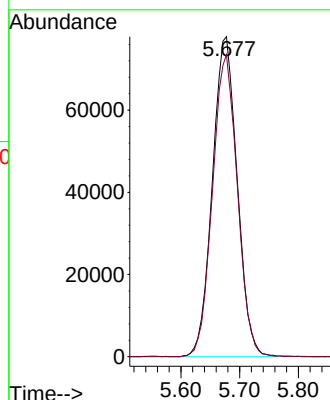
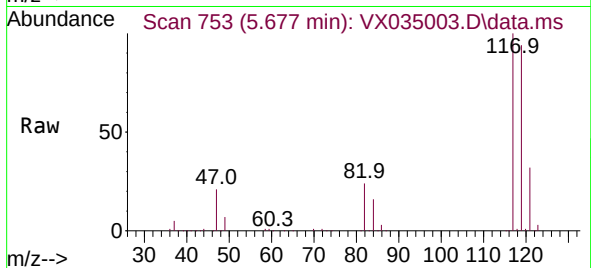




#31
Carbon tetrachloride
Concen: 47.255 ug/L
RT: 5.677 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00

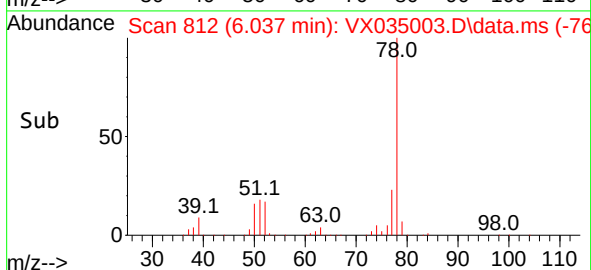
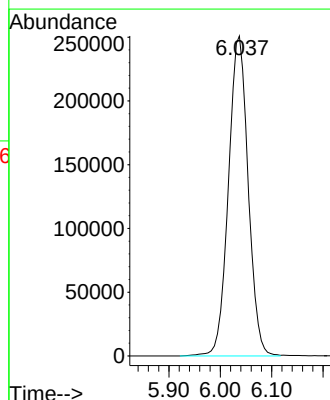
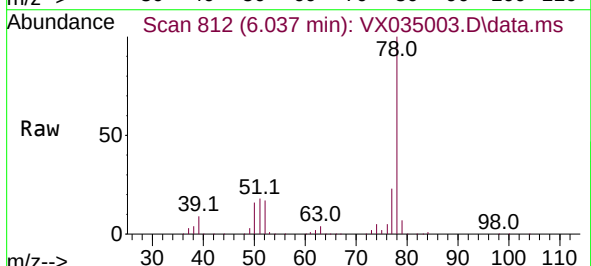
Instrument :
MSVOA_X
ClientSampleId :
VSTD050625

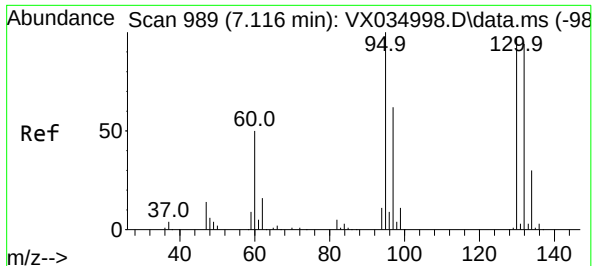
Tgt Ion:117 Resp: 228261
Ion Ratio Lower Upper
117 100
119 94.5 76.7 115.1



#33
Benzene
Concen: 49.457 ug/L
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00

Tgt Ion: 78 Resp: 668409

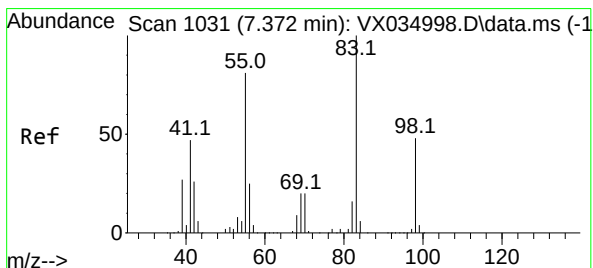
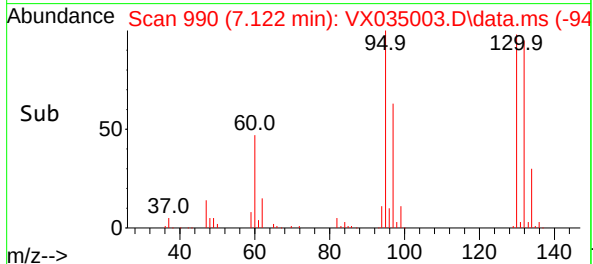
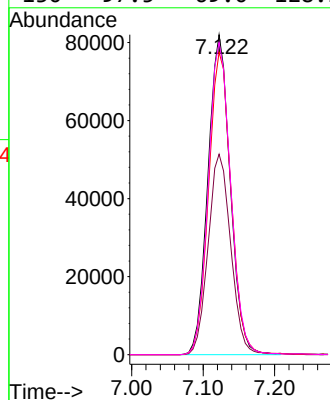
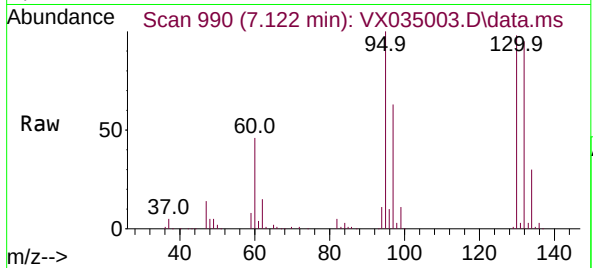




#34
Trichloroethene
Concen: 48.738 ug/L
RT: 7.122 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00

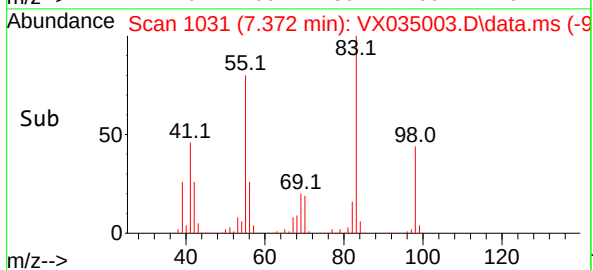
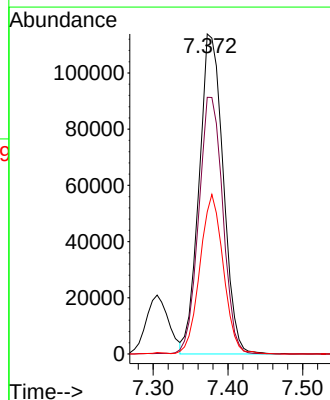
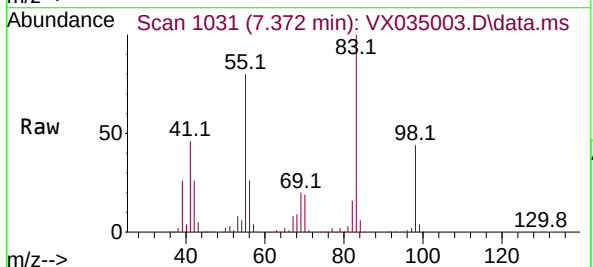
Instrument :
MSVOA_X
ClientSampleId :
VSTD050625

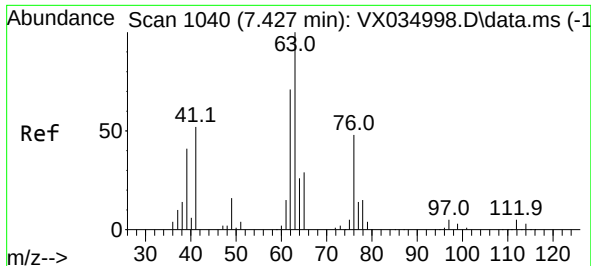
Tgt Ion: 95 Resp: 177590
Ion Ratio Lower Upper
95 100
97 62.6 45.4 84.2
132 94.6 66.8 124.0
130 97.5 69.0 128.1



#35
Methylcyclohexane
Concen: 48.565 ug/L
RT: 7.372 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00

Tgt Ion: 83 Resp: 255114
Ion Ratio Lower Upper
83 100
55 80.0 65.0 97.6
98 47.8 38.7 58.1





#37

1,2-Dichloropropane

Concen: 49.496 ug/L

RT: 7.427 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX035003.D

Acq: 11 Apr 2023 12:00

Instrument :

MSVOA_X

ClientSampleId :

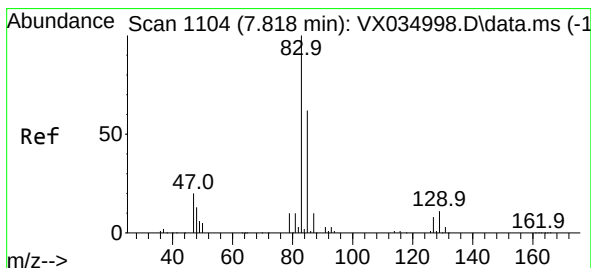
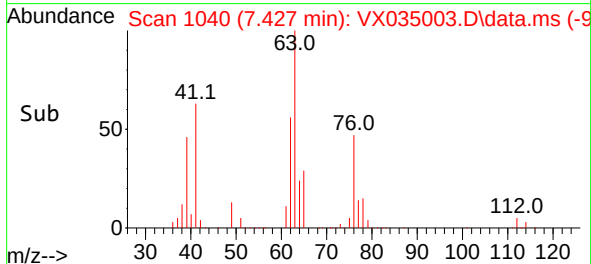
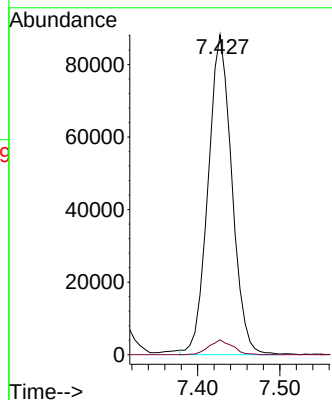
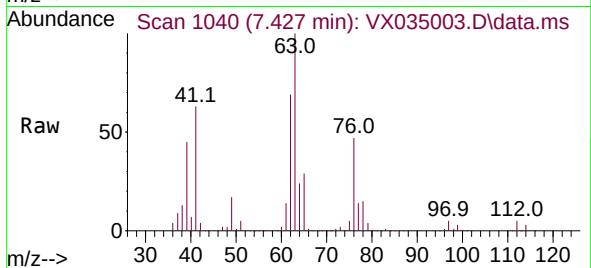
VSTD050625

Tgt Ion: 63 Resp: 177253

Ion Ratio Lower Upper

63 100

112 4.5 3.6 5.4



#38

Bromodichloromethane

Concen: 48.457 ug/L

RT: 7.817 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX035003.D

Acq: 11 Apr 2023 12:00

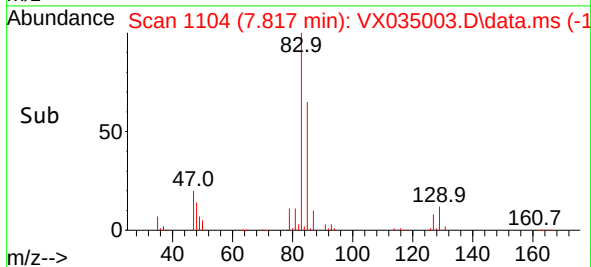
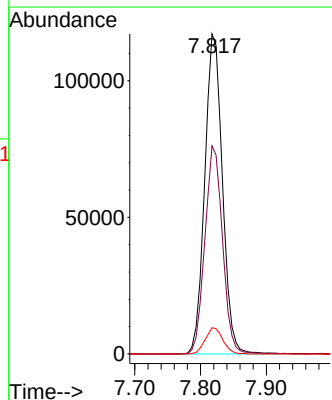
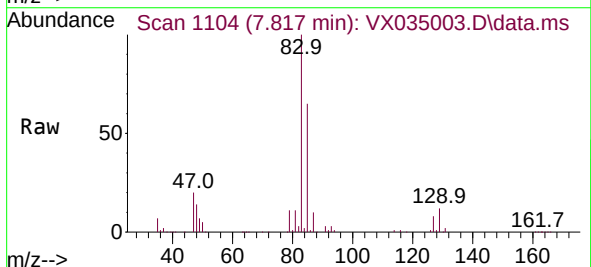
Tgt Ion: 83 Resp: 219560

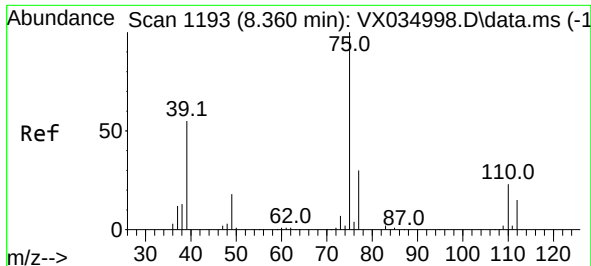
Ion Ratio Lower Upper

83 100

85 65.0 45.6 84.6

127 8.2 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 50.129 ug/L

RT: 8.366 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VX035003.D

Acq: 11 Apr 2023 12:00

Instrument :

MSVOA_X

ClientSampleId :

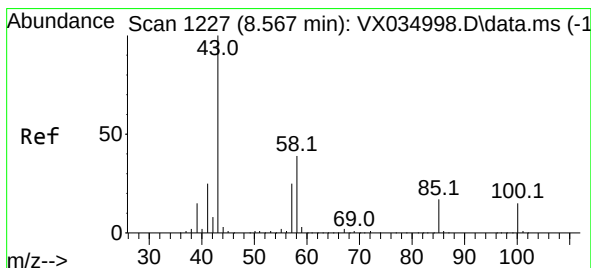
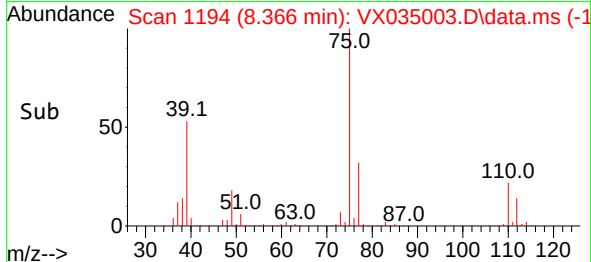
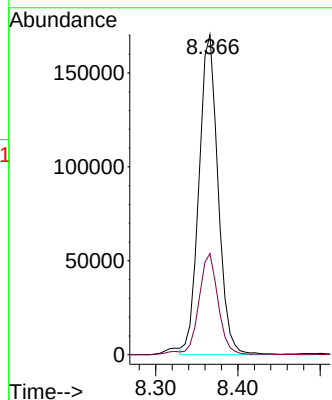
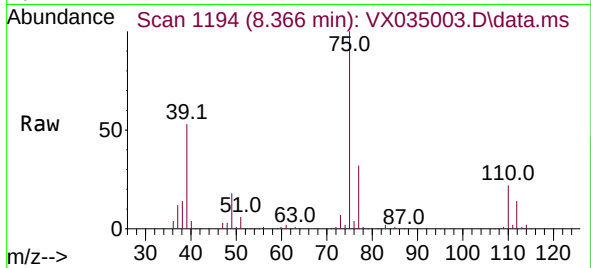
VSTD050625

Tgt Ion: 75 Resp: 274357

Ion Ratio Lower Upper

75 100

77 31.6 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 99.149 ug/L

RT: 8.573 min Scan# 1228

Delta R.T. 0.006 min

Lab File: VX035003.D

Acq: 11 Apr 2023 12:00

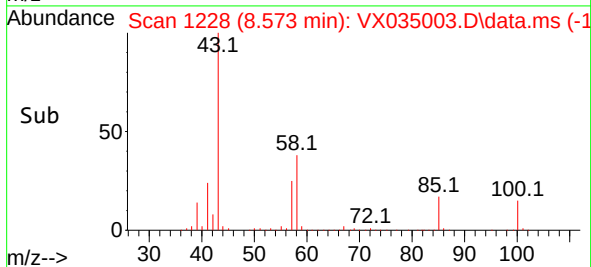
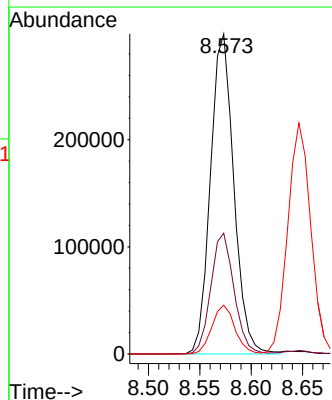
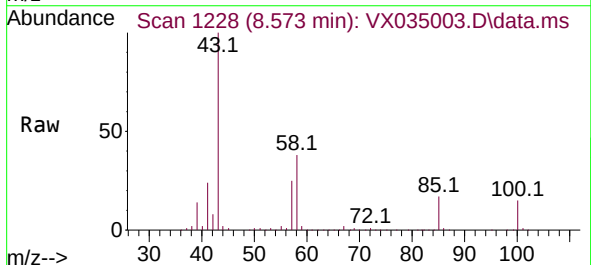
Tgt Ion: 43 Resp: 471804

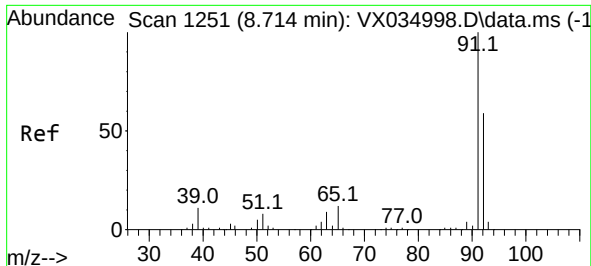
Ion Ratio Lower Upper

43 100

58 37.5 30.1 45.1

100 15.0 11.9 17.9





#42

Toluene

Concen: 49.645 ug/L

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX035003.D

Acq: 11 Apr 2023 12:00

Instrument :

MSVOA_X

ClientSampleId :

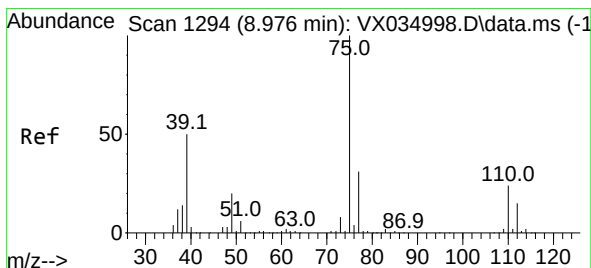
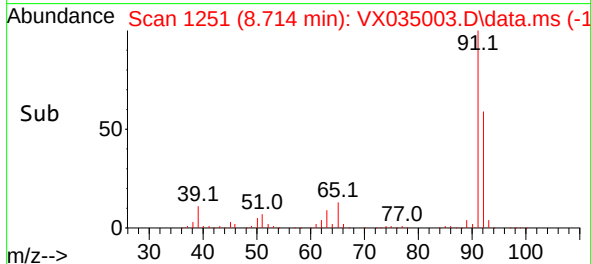
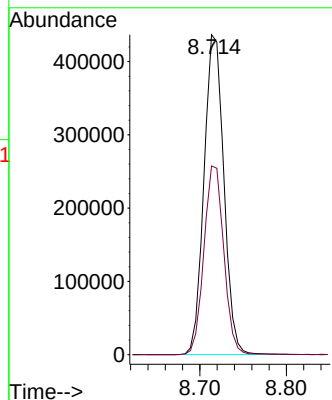
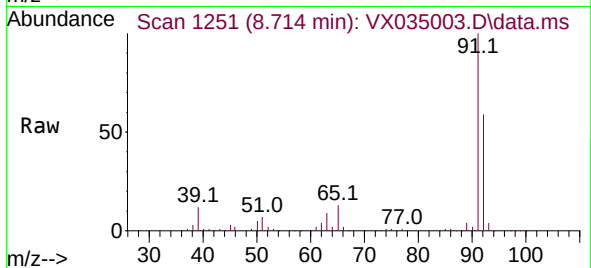
VSTD050625

Tgt Ion: 91 Resp: 694886

Ion Ratio Lower Upper

91 100

92 59.0 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 50.052 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX035003.D

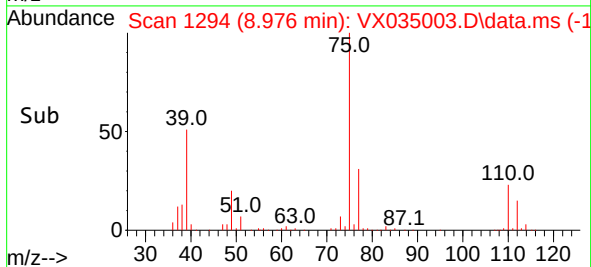
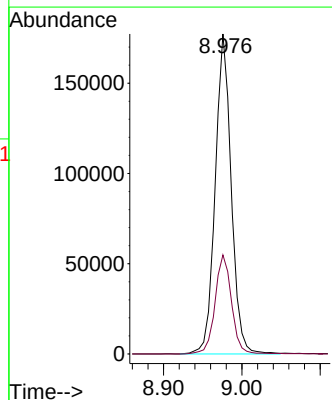
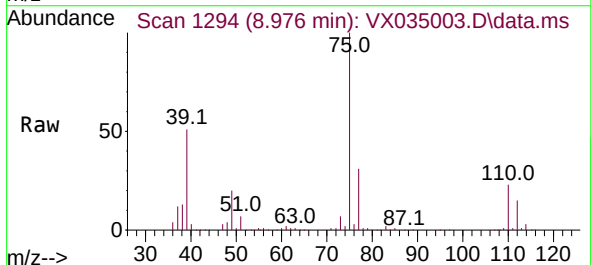
Acq: 11 Apr 2023 12:00

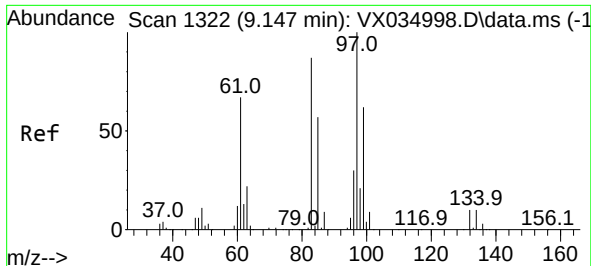
Tgt Ion: 75 Resp: 252197

Ion Ratio Lower Upper

75 100

77 31.0 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 50.418 ug/L

RT: 9.152 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX035003.D

Acq: 11 Apr 2023 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTD050625

Tgt Ion: 97 Resp: 168368

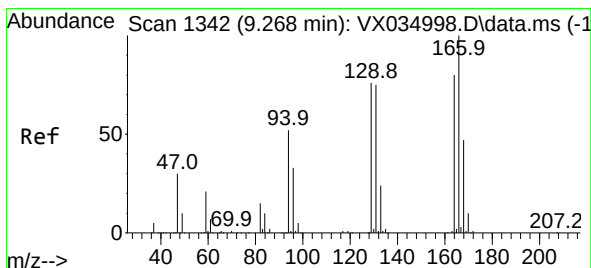
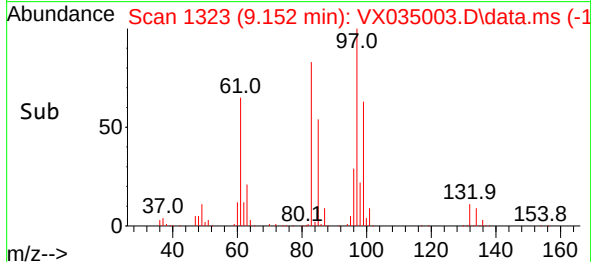
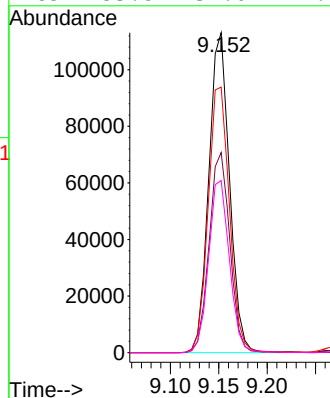
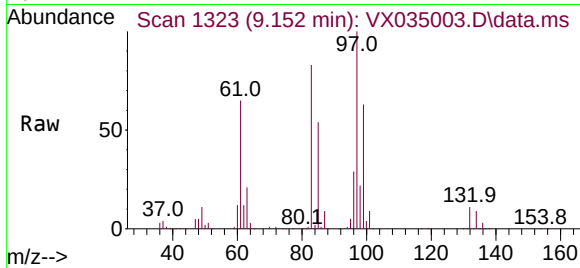
Ion Ratio Lower Upper

97 100

99 62.6 44.8 83.2

83 83.0 60.5 112.3

85 53.8 39.0 72.4



#46

Tetrachloroethene

Concen: 48.967 ug/L

RT: 9.274 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX035003.D

Acq: 11 Apr 2023 12:00

Tgt Ion: 164 Resp: 132923

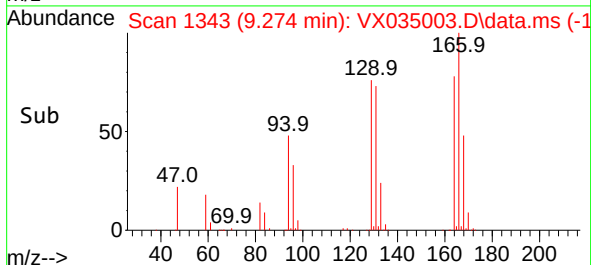
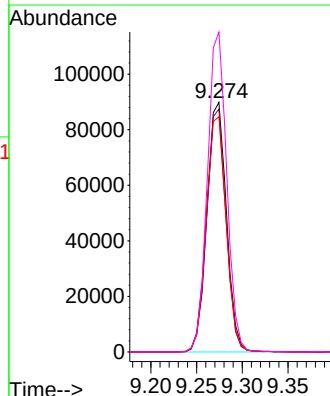
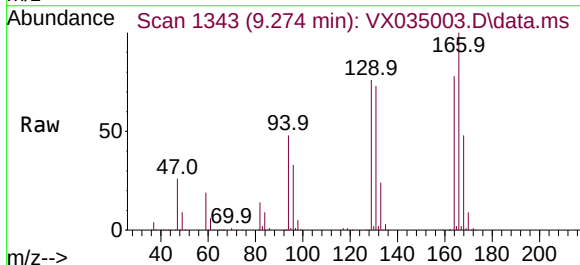
Ion Ratio Lower Upper

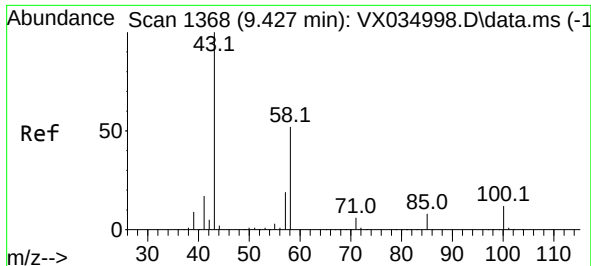
164 100

129 97.3 67.7 125.7

131 94.2 65.8 122.2

166 128.2 91.6 170.2





#48

2-Hexanone

Concen: 99.788 ug/L

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX035003.D

Acq: 11 Apr 2023 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTD050625

Tgt Ion: 43 Resp: 372204

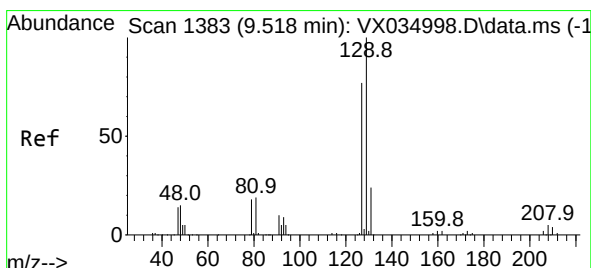
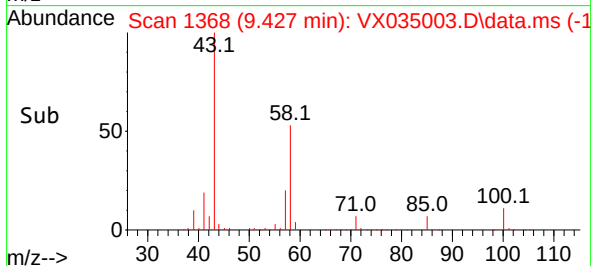
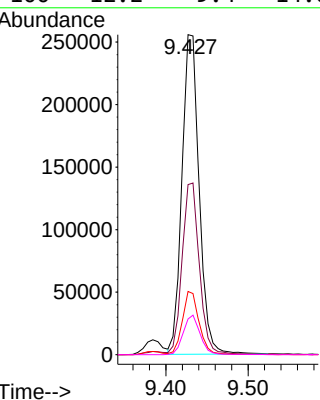
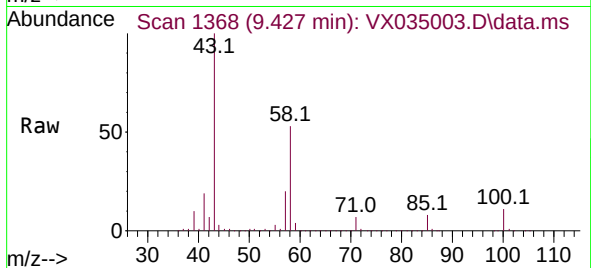
Ion Ratio Lower Upper

43 100

58 53.9 42.1 63.1

57 19.2 15.0 22.6

100 12.2 9.4 14.0



#49

Dibromochloromethane

Concen: 50.420 ug/L

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX035003.D

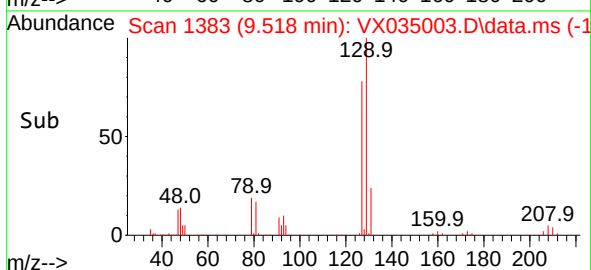
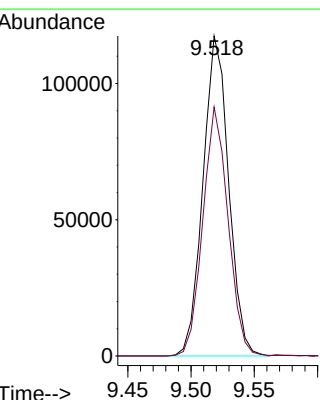
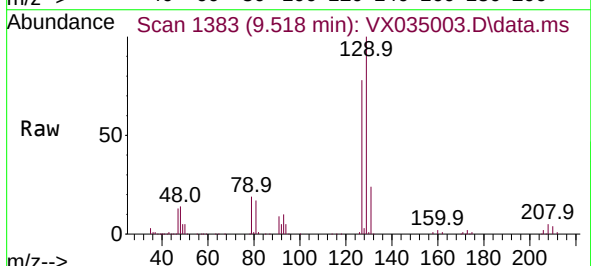
Acq: 11 Apr 2023 12:00

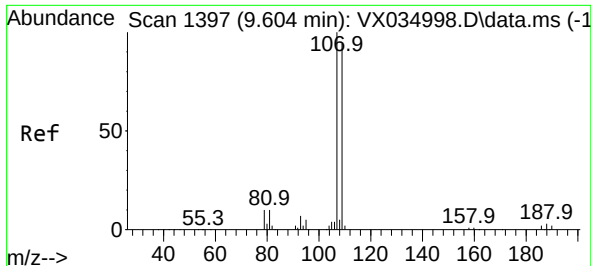
Tgt Ion: 129 Resp: 165614

Ion Ratio Lower Upper

129 100

127 77.8 55.0 102.2





#50

1,2-Dibromoethane

Concen: 50.252 ug/L

RT: 9.610 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX035003.D

Acq: 11 Apr 2023 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTD050625

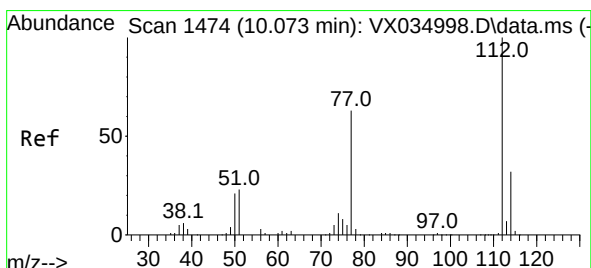
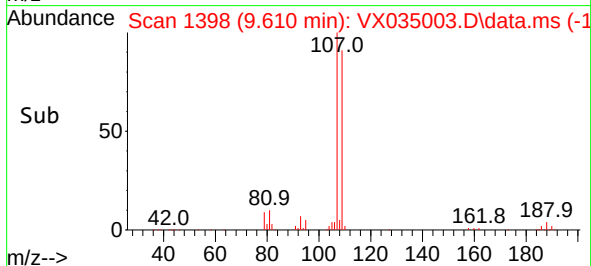
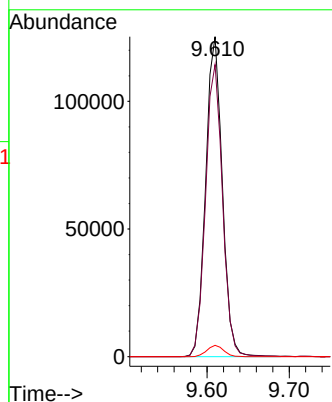
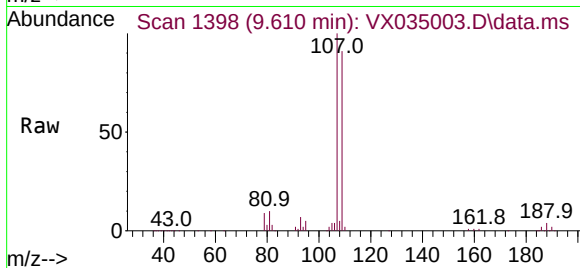
Tgt Ion:107 Resp: 176106

Ion Ratio Lower Upper

107 100

109 91.3 65.4 121.4

188 3.5 2.7 4.1



#51

Chlorobenzene

Concen: 50.012 ug/L

RT: 10.079 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VX035003.D

Acq: 11 Apr 2023 12:00

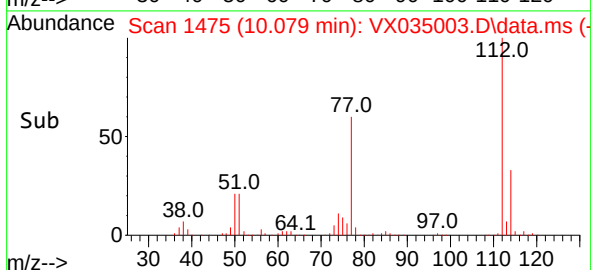
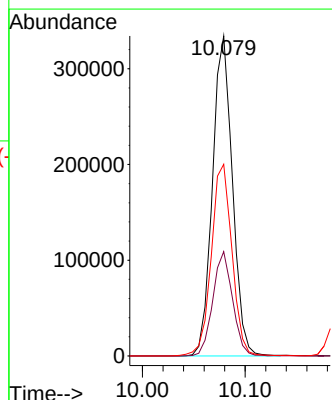
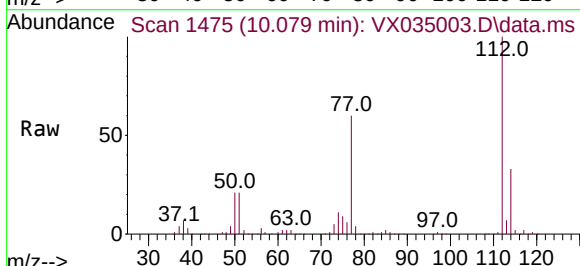
Tgt Ion:112 Resp: 451200

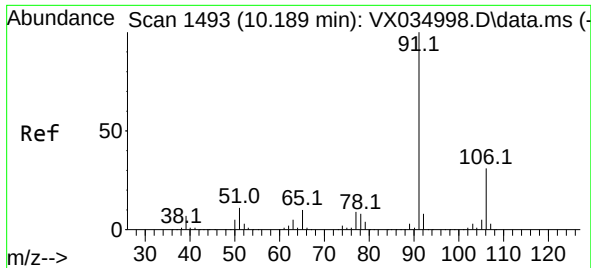
Ion Ratio Lower Upper

112 100

114 32.6 22.6 42.0

77 59.9 48.8 73.2

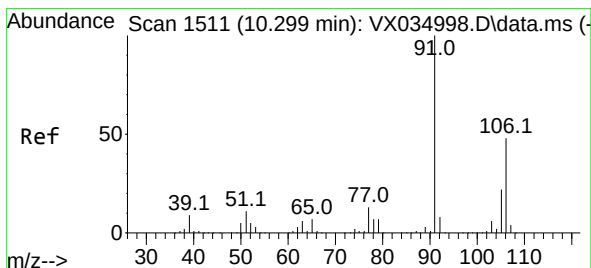
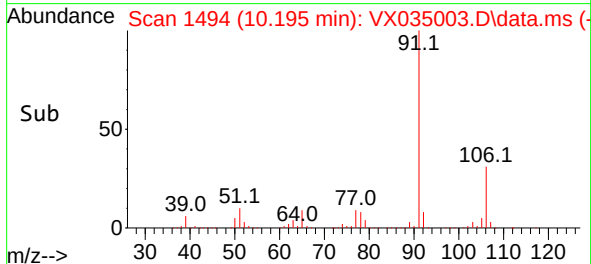
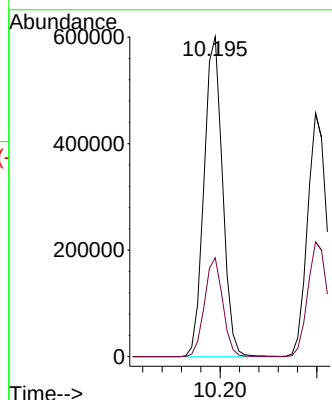
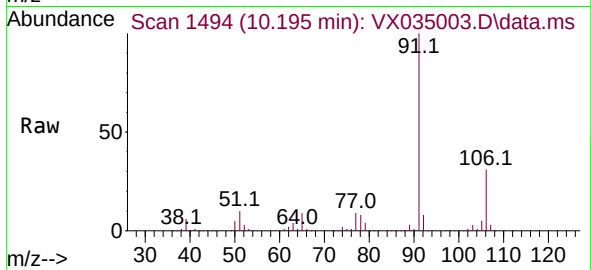




#52
Ethylbenzene
Concen: 50.421 ug/L
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00

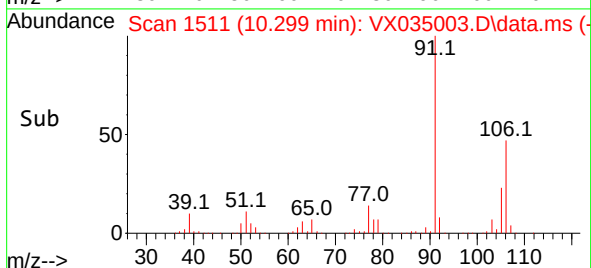
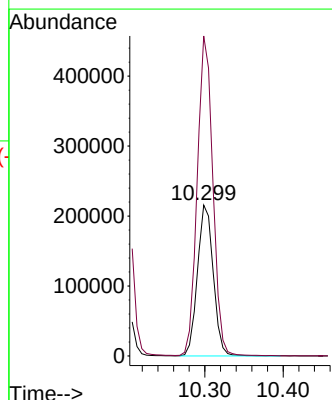
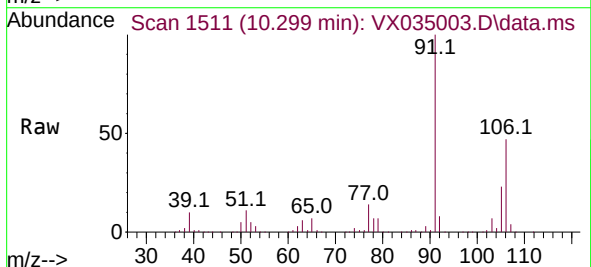
Instrument :
MSVOA_X
ClientSampleId :
VSTD050625

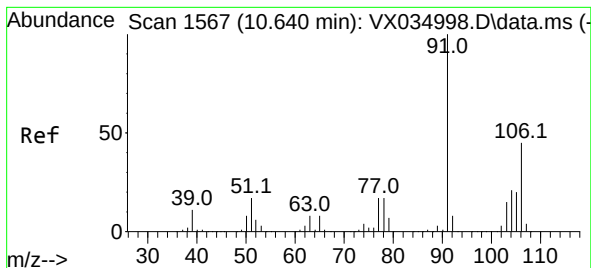
Tgt Ion: 91 Resp: 800919
Ion Ratio Lower Upper
91 100
106 30.9 21.3 39.6



#53
m,p-Xylene
Concen: 50.681 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00

Tgt Ion:106 Resp: 303329
Ion Ratio Lower Upper
106 100
91 212.2 146.4 272.0





#54

o-Xylene

Concen: 50.324 ug/L

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX035003.D

Acq: 11 Apr 2023 12:00

Instrument :

MSVOA_X

ClientSampleId :

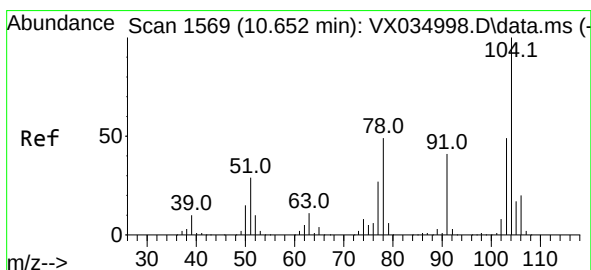
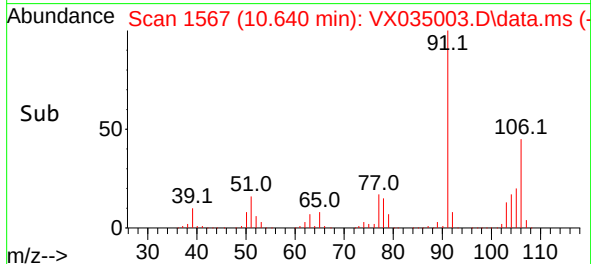
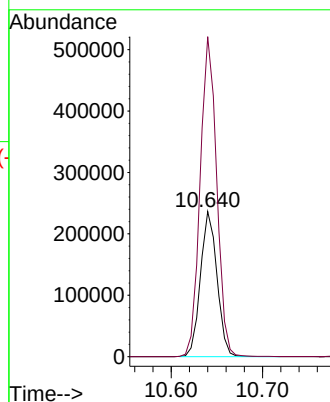
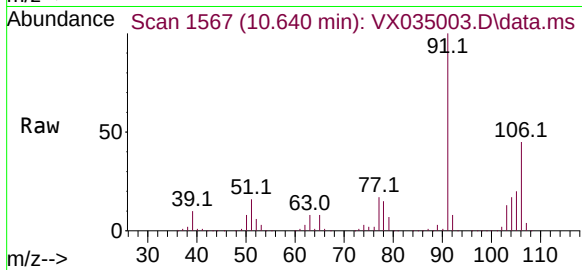
VSTD050625

Tgt Ion:106 Resp: 296760

Ion Ratio Lower Upper

106 100

91 220.5 154.0 286.0



#55

Styrene

Concen: 50.944 ug/L

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX035003.D

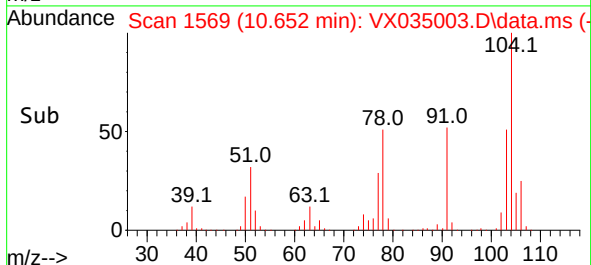
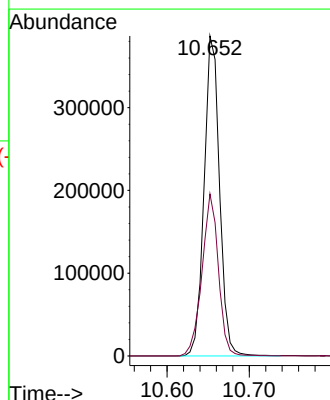
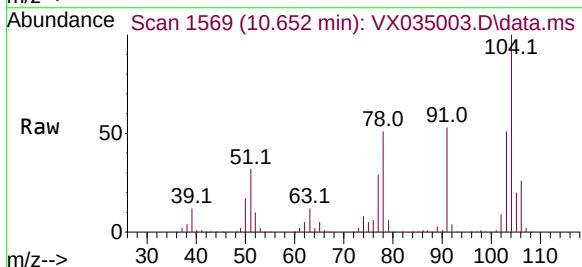
Acq: 11 Apr 2023 12:00

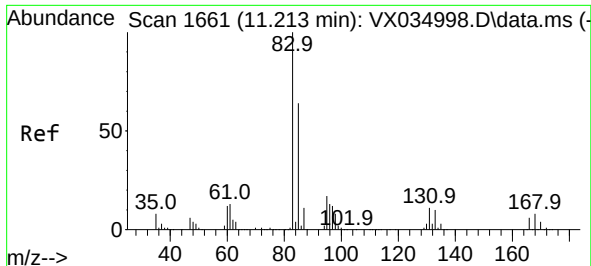
Tgt Ion:104 Resp: 503673

Ion Ratio Lower Upper

104 100

78 50.7 35.4 65.8

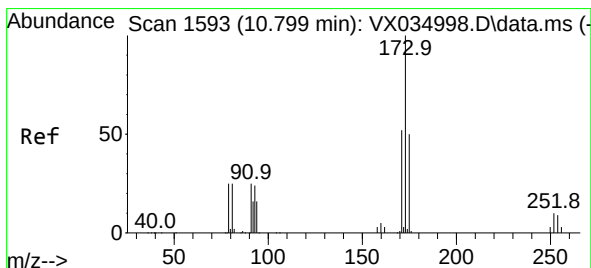
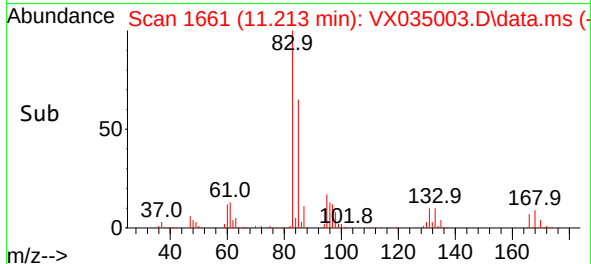
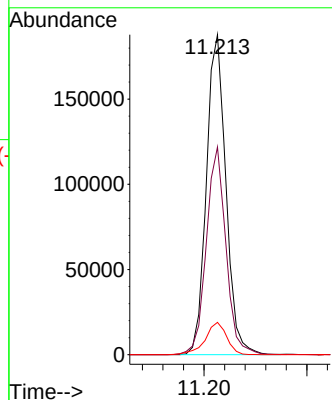
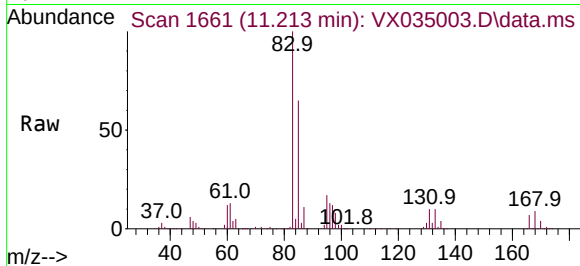




#57
1,1,2-Tetrachloroethane
Concen: 50.003 ug/L
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00

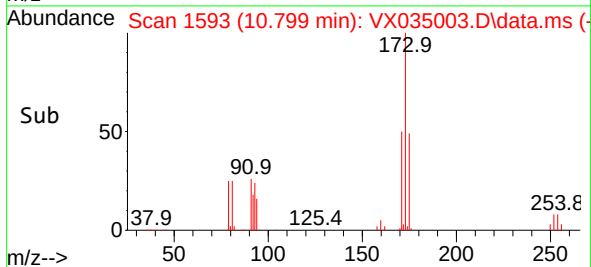
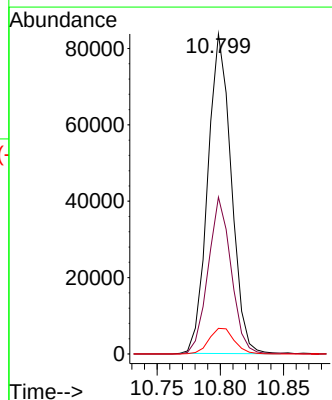
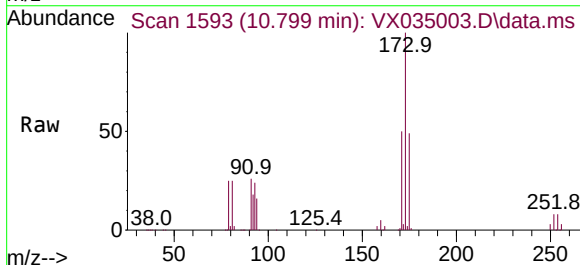
Instrument :
MSVOA_X
ClientSampleId :
VSTD050625

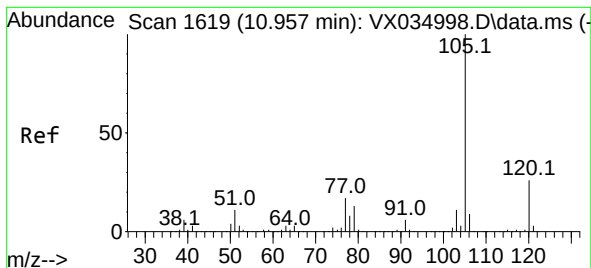
Tgt Ion: 83 Resp: 247945
Ion Ratio Lower Upper
83 100
85 64.9 45.5 84.5
131 10.1 8.6 12.8



#59
Bromoform
Concen: 47.089 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00

Tgt Ion:173 Resp: 107945
Ion Ratio Lower Upper
173 100
175 48.2 39.0 58.4
254 8.7 7.3 10.9





#60

Isopropylbenzene

Concen: 49.519 ug/L

RT: 10.963 min Scan# 1620

Delta R.T. 0.006 min

Lab File: VX035003.D

Acq: 11 Apr 2023 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTD050625

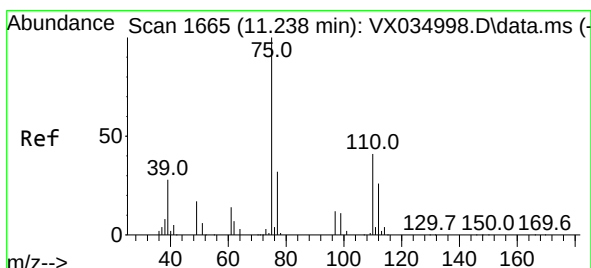
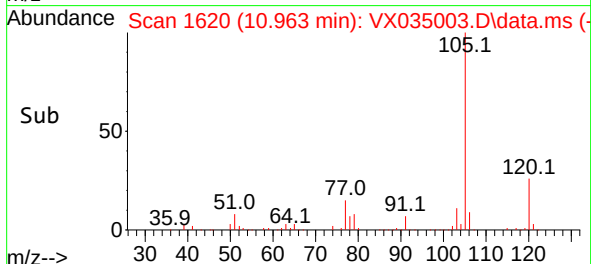
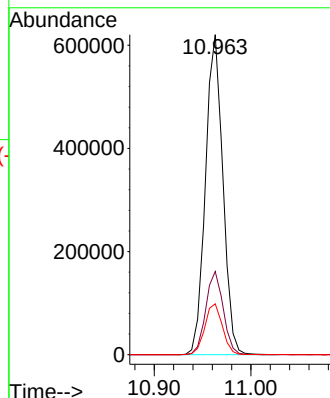
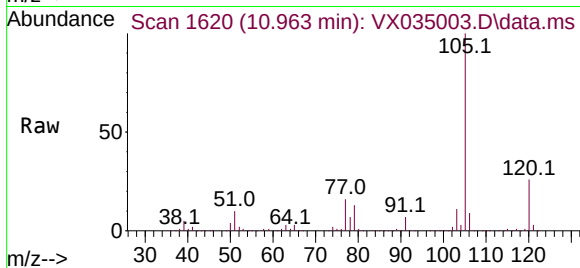
Tgt Ion:105 Resp: 777540

Ion Ratio Lower Upper

105 100

120 26.1 21.1 31.7

77 16.2 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 47.523 ug/L

RT: 11.237 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX035003.D

Acq: 11 Apr 2023 12:00

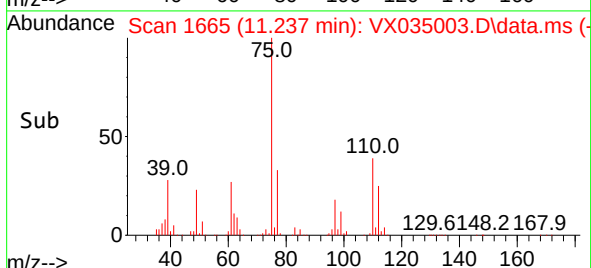
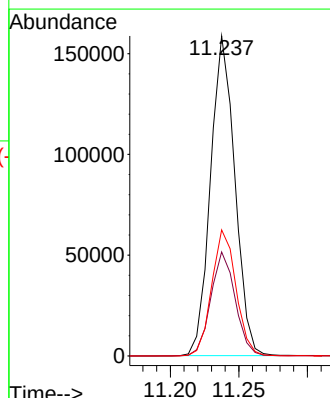
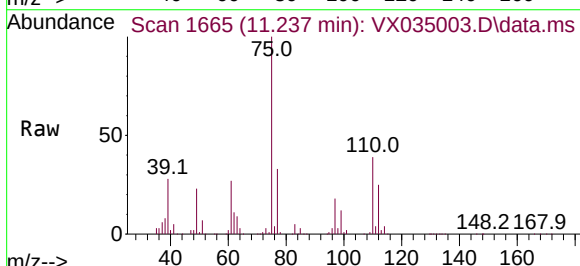
Tgt Ion: 75 Resp: 195926

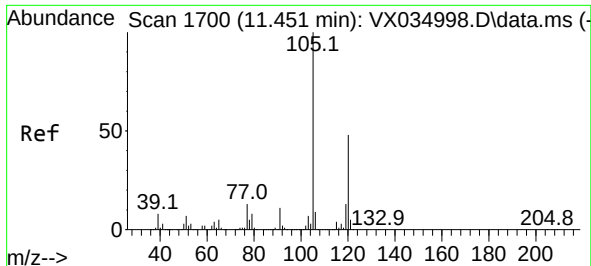
Ion Ratio Lower Upper

75 100

77 32.5 25.3 37.9

110 39.4 31.8 47.8

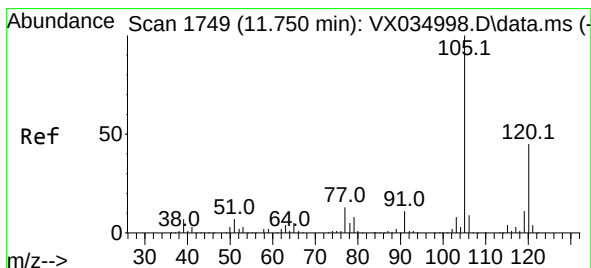
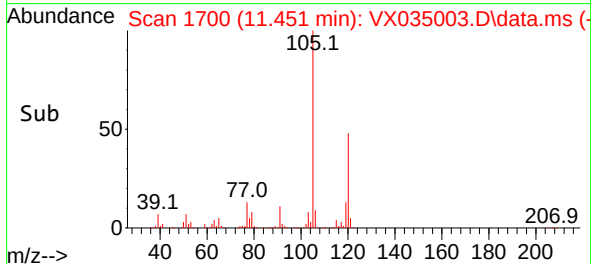
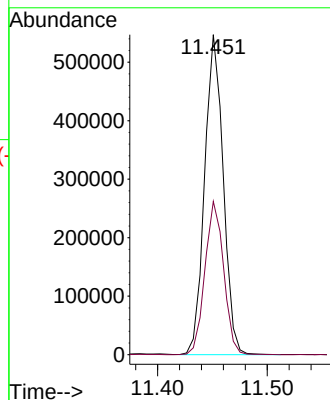
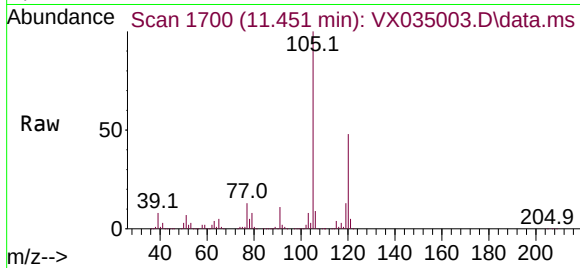




#62
 1,3,5-Trimethylbenzene
 Concen: 49.477 ug/L
 RT: 11.451 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX035003.D
 Acq: 11 Apr 2023 12:00

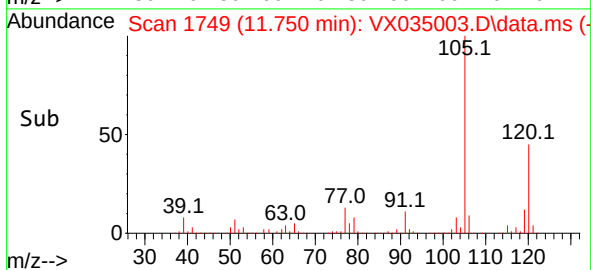
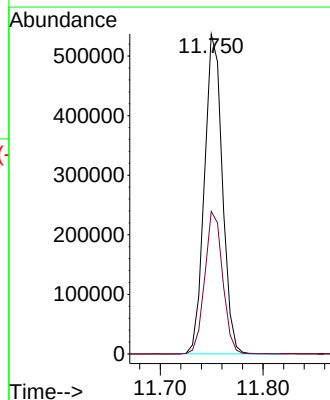
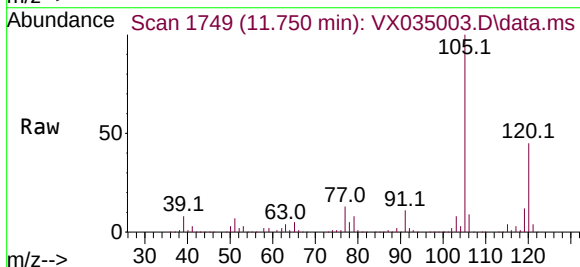
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050625

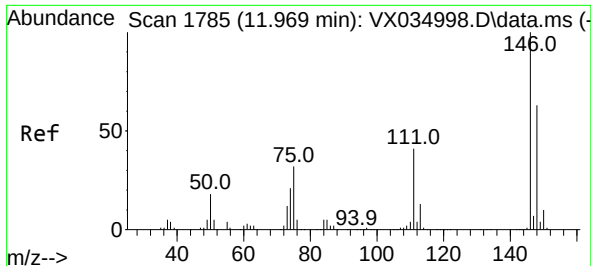
Tgt Ion:105 Resp: 644135
 Ion Ratio Lower Upper
 105 100
 120 48.2 38.0 57.0



#63
 1,2,4-Trimethylbenzene
 Concen: 50.568 ug/L
 RT: 11.750 min Scan# 1749
 Delta R.T. -0.000 min
 Lab File: VX035003.D
 Acq: 11 Apr 2023 12:00

Tgt Ion:105 Resp: 650048
 Ion Ratio Lower Upper
 105 100
 120 44.5 35.6 53.4

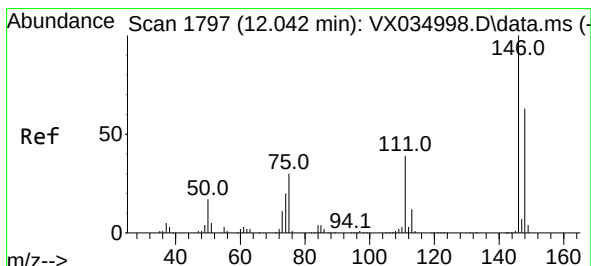
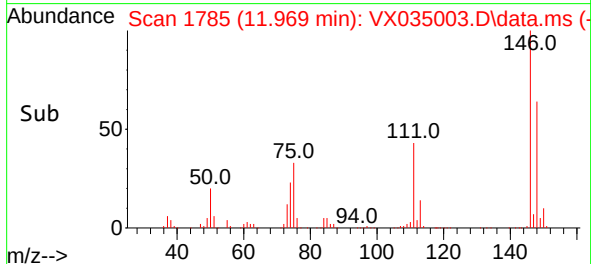
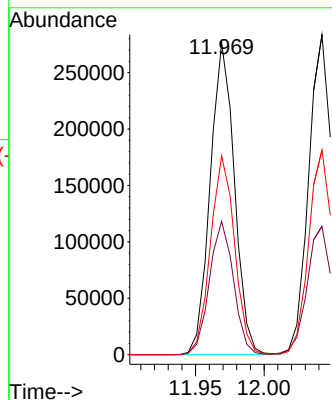
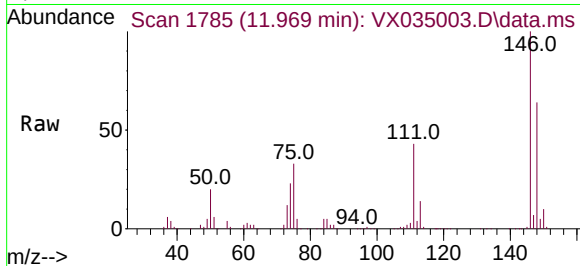




#64
1,3-Dichlorobenzene
Concen: 48.403 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00

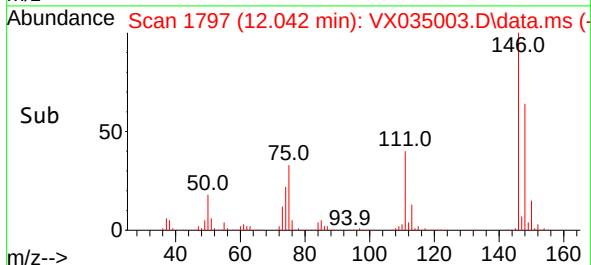
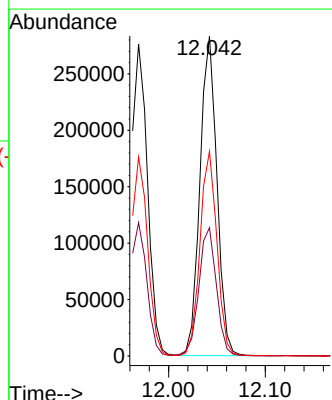
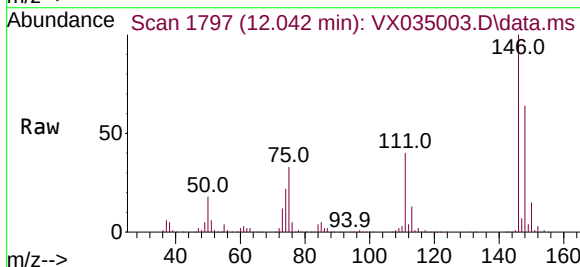
Instrument :
MSVOA_X
ClientSampleId :
VSTD050625

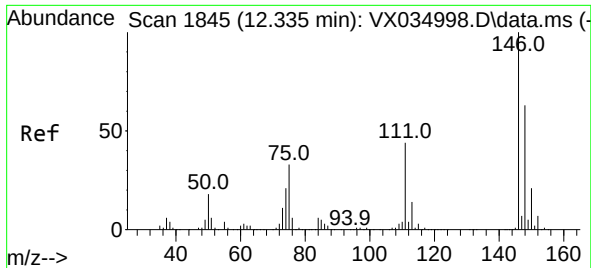
Tgt Ion:146 Resp: 338563
Ion Ratio Lower Upper
146 100
111 42.7 30.3 56.3
148 63.8 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 48.943 ug/L
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00

Tgt Ion:146 Resp: 346139
Ion Ratio Lower Upper
146 100
111 40.1 27.5 51.1
148 63.9 44.4 82.4

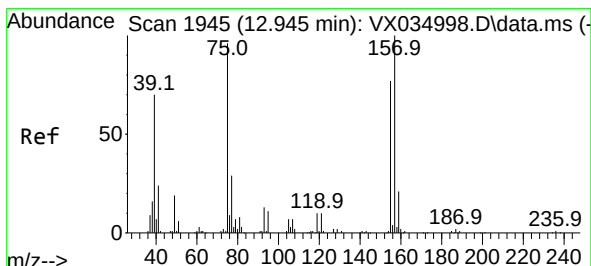
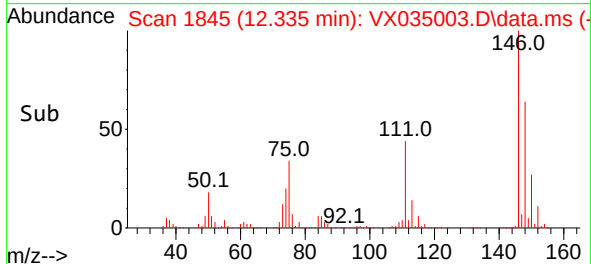
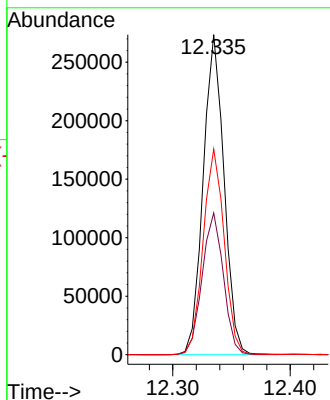
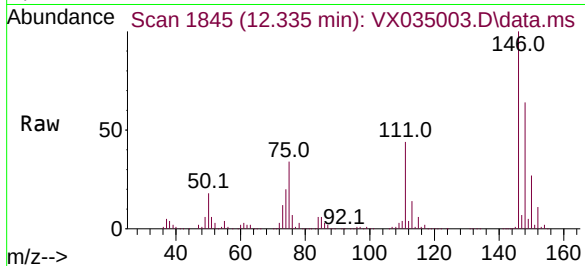




#67
1,2-Dichlorobenzene
Concen: 48.772 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00

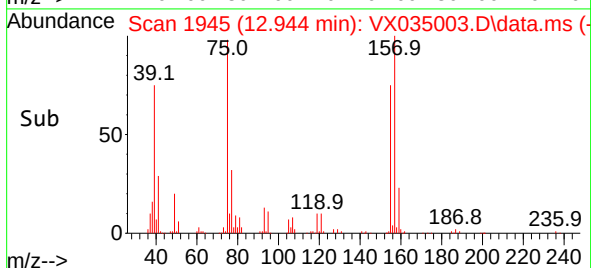
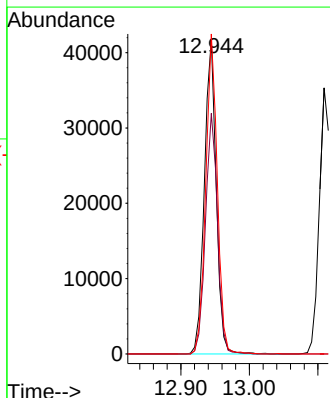
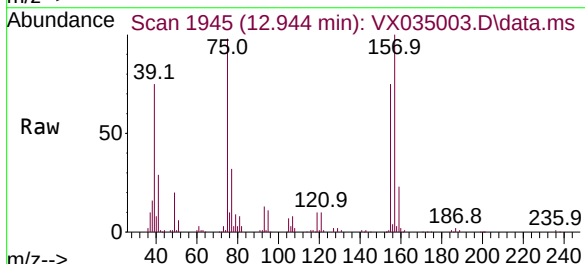
Instrument :
MSVOA_X
ClientSampleId :
VSTD050625

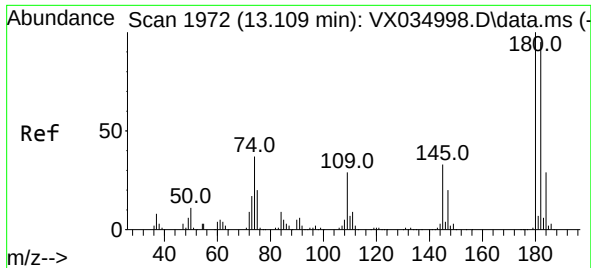
Tgt Ion:146 Resp: 336076
Ion Ratio Lower Upper
146 100
111 44.3 34.4 51.6
148 64.3 51.0 76.4



#68
1,2-Dibromo-3-chloropropane
Concen: 47.566 ug/L
RT: 12.944 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX035003.D
Acq: 11 Apr 2023 12:00

Tgt Ion: 75 Resp: 50200
Ion Ratio Lower Upper
75 100
155 76.5 58.0 87.0
157 101.7 75.3 112.9





#69

1,3,5-Trichlorobenzene

Concen: 50.364 ug/L

RT: 13.115 min Scan# 1973

Delta R.T. 0.006 min

Lab File: VX035003.D

Acq: 11 Apr 2023 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTD050625

Tgt Ion:180 Resp: 220359

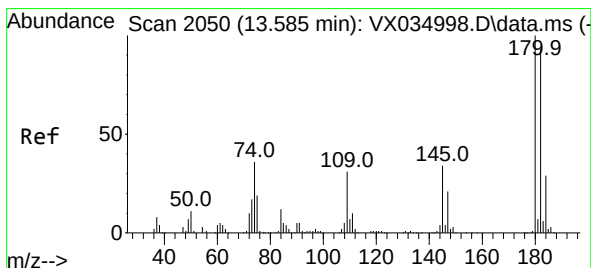
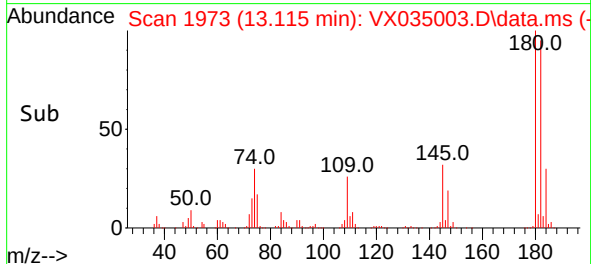
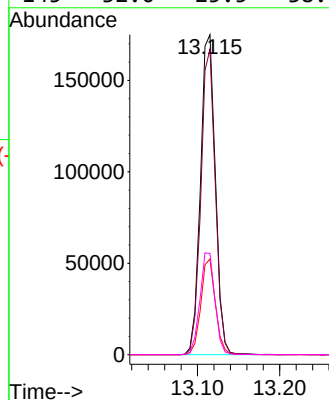
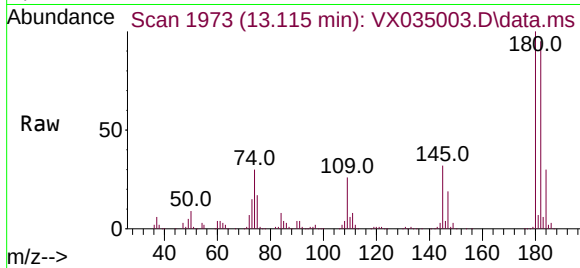
Ion Ratio Lower Upper

180 100

182 92.2 76.8 115.2

184 29.2 23.8 35.8

145 32.0 25.5 38.3



#70

1,2,4-trichlorobenzene

Concen: 49.273 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX035003.D

Acq: 11 Apr 2023 12:00

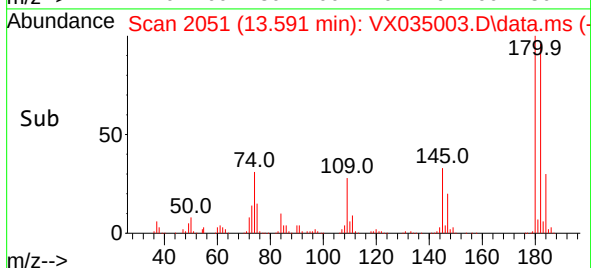
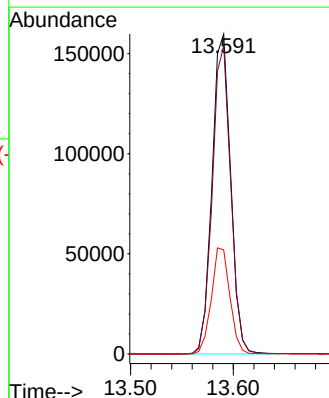
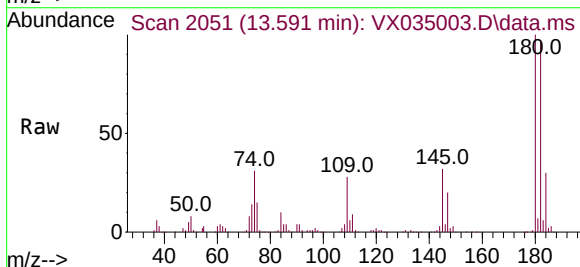
Tgt Ion:180 Resp: 200534

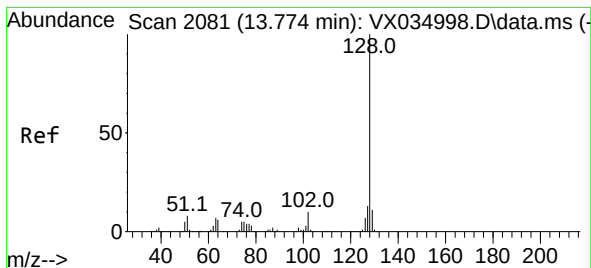
Ion Ratio Lower Upper

180 100

182 95.3 77.0 115.4

145 33.1 26.7 40.1





#71

Naphthalene

Concen: 50.682 ug/L

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX035003.D

Acq: 11 Apr 2023 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTD050625

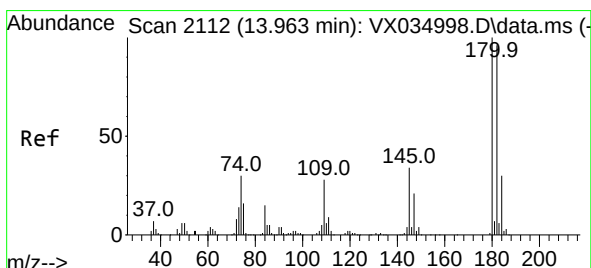
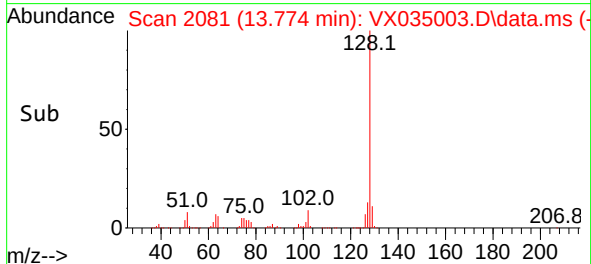
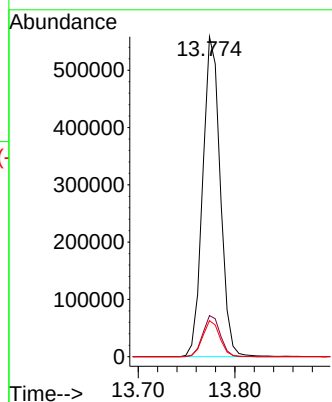
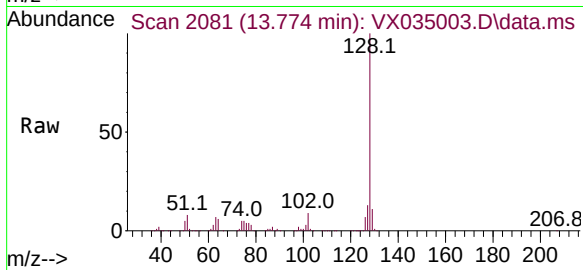
Tgt Ion:128 Resp: 704859

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 11.0 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 49.487 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX035003.D

Acq: 11 Apr 2023 12:00

Tgt Ion:180 Resp: 202239

Ion Ratio Lower Upper

180 100

182 95.2 76.6 114.8

145 34.6 28.0 42.0

