

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020323\
 Data File : VX034000.D
 Acq On : 03 Feb 2023 08:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050616

Quant Time: Feb 04 03:13:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML020223WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 03 04:22:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	225369	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	195916	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	108215	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	68604	45.707	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.420%
7) Chloroethane-d5	1.666	69	47688	52.335	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.680%
11) 1,1-Dichloroethene-d2	2.306	63	136243	49.539	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.080%
21) 2-Butanone-d5	4.446	46	87531	101.717	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.720%
24) Chloroform-d	5.050	84	136799	50.810	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.620%
26) 1,2-Dichloroethane-d4	5.946	65	81314	50.056	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.120%
32) Benzene-d6	5.964	84	279667	49.798	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.600%
36) 1,2-Dichloropropane-d6	7.306	67	83715	50.421	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.840%
41) Toluene-d8	8.647	98	263942	49.544	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.080%
43) trans-1,3-Dichloroprop...	8.946	79	38352	50.900	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.800%
47) 2-Hexanone-d5	9.378	63	64679	103.881	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.880%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	106633	51.218	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.440%
66) 1,2-Dichlorobenzene-d4	12.317	152	109467	50.539	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	87058	51.923	ug/L	99
3) Chloromethane	1.294	50	77338	50.534	ug/L	99
5) Vinyl chloride	1.374	62	78694	50.851	ug/L	98
6) Bromomethane	1.611	94	38179	47.576	ug/L	99
8) Chloroethane	1.691	64	42489	51.647	ug/L	98
9) Trichlorofluoromethane	1.892	101	113920	51.937	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	79948	52.707	ug/L	98
12) 1,1-Dichloroethene	2.319	96	72401	52.178	ug/L	87
13) Acetone	2.374	43	94087	106.274	ug/L	98
14) Carbon disulfide	2.514	76	202641	53.957	ug/L	100
15) Methyl Acetate	2.697	43	72363	51.305	ug/L	99
16) Methylene chloride	2.788	84	77049	52.436	ug/L	99
17) trans-1,2-Dichloroethene	3.093	96	76146	53.160	ug/L	97
18) Methyl tert-butyl Ether	3.105	73	221304	53.063	ug/L	100
19) 1,1-Dichloroethane	3.605	63	132926	53.173	ug/L	97
20) cis-1,2-Dichloroethene	4.483	96	86101	52.599	ug/L	99
22) 2-Butanone	4.544	43	118309	107.555	ug/L	98
23) Bromochloromethane	4.891	128	47482	52.839	ug/L	97
25) Chloroform	5.086	83	138469	53.639	ug/L	97

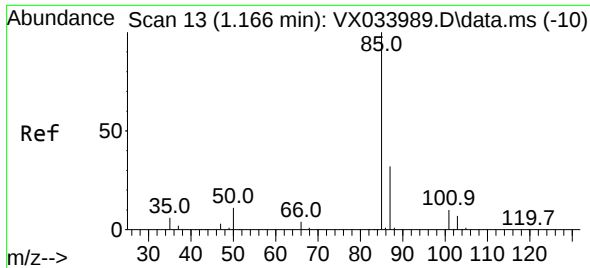
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020323\
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 Quant Title : VOC Analysis
 QLast Update : Fri Feb 03 04:22:50 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.080	62	105480	53.237	ug/L	99
29) Cyclohexane	5.464	56	124974	52.155	ug/L	99
30) 1,1,1-Trichloroethane	5.379	97	119183	53.822	ug/L	99
31) Carbon tetrachloride	5.672	117	111298	54.024	ug/L	99
33) Benzene	6.031	78	307617	52.802	ug/L	100
34) Trichloroethene	7.123	95	83383	52.811	ug/L	98
35) Methylcyclohexane	7.379	83	136359	54.161	ug/L	99
37) 1,2-Dichloropropane	7.428	63	79289	53.436	ug/L	100
38) Bromodichloromethane	7.818	83	102042	54.084	ug/L	99
39) cis-1,3-Dichloropropene	8.360	75	125875	55.269	ug/L	99
40) 4-Methyl-2-pentanone	8.568	43	194941	106.758	ug/L	100
42) Toluene	8.714	91	333159	53.460	ug/L	100
44) trans-1,3-Dichloropropene	8.976	75	111850	55.190	ug/L	99
45) 1,1,2-Trichloroethane	9.147	97	81873	54.508	ug/L	98
46) Tetrachloroethene	9.269	164	81075	53.483	ug/L	97
48) 2-Hexanone	9.427	43	154611	106.248	ug/L	99
49) Dibromochloromethane	9.519	129	89534	55.246	ug/L	99
50) 1,2-Dibromoethane	9.604	107	86421	53.541	ug/L	98
51) Chlorobenzene	10.079	112	225161	53.479	ug/L	99
52) Ethylbenzene	10.189	91	371269	54.210	ug/L	98
53) m,p-Xylene	10.299	106	148938	54.176	ug/L	99
54) o-Xylene	10.640	106	144346	54.348	ug/L	98
55) Styrene	10.653	104	244770	54.934	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.213	83	112235	53.152	ug/L	98
59) Bromoform	10.799	173	72052	54.710	ug/L	99
60) Isopropylbenzene	10.963	105	385334	54.504	ug/L	100
61) 1,2,3-Trichloropropane	11.238	75	85452	52.015	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	321551	55.567	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	315362	55.290	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	188453	53.608	ug/L	100
65) 1,4-Dichlorobenzene	12.043	146	189485	53.259	ug/L	100
67) 1,2-Dichlorobenzene	12.335	146	180270	52.443	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.939	75	21214	52.706	ug/L	88
69) 1,3,5-Trichlorobenzene	13.109	180	145447	54.862	ug/L	98
70) 1,2,4-trichlorobenzene	13.585	180	133535	55.485	ug/L	98
71) Naphthalene	13.774	128	364296	54.675	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	129118	54.346	ug/L	100

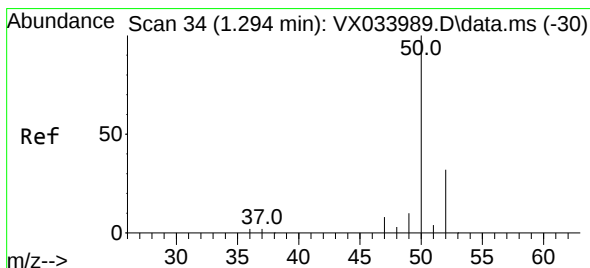
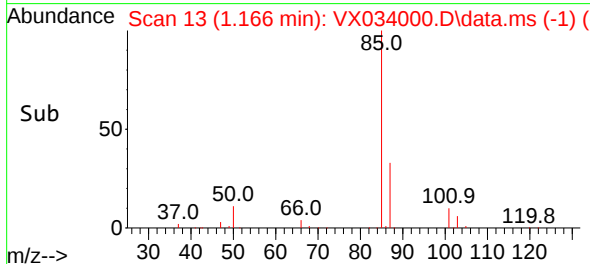
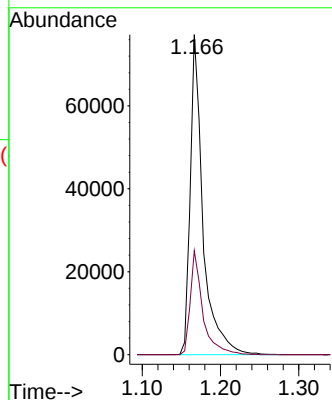
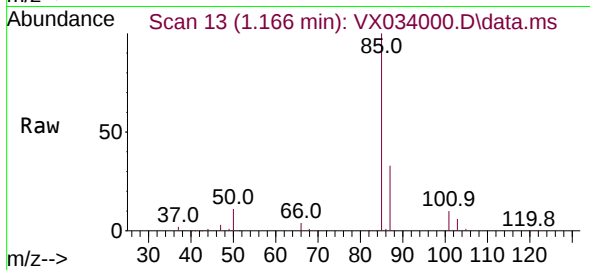
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 51.923 ug/L
 RT: 1.166 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX034000.D
 Acq: 03 Feb 2023 08:57

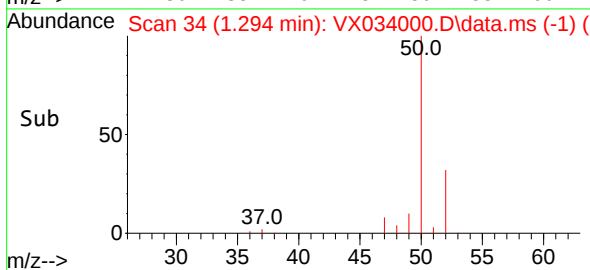
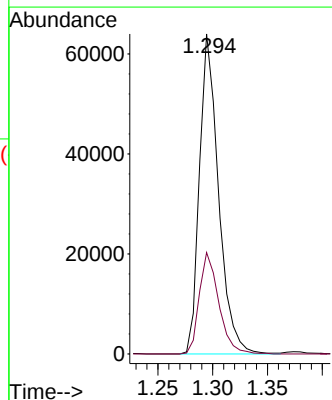
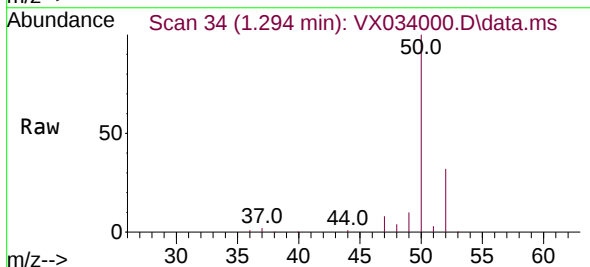
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050616

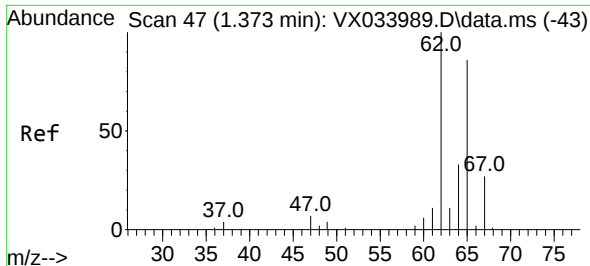
Tgt Ion: 85 Resp: 87058
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.9 38.9



#3
 Chloromethane
 Concen: 50.534 ug/L
 RT: 1.294 min Scan# 34
 Delta R.T. 0.000 min
 Lab File: VX034000.D
 Acq: 03 Feb 2023 08:57

Tgt Ion: 50 Resp: 77338
 Ion Ratio Lower Upper
 50 100
 52 31.7 22.5 41.7

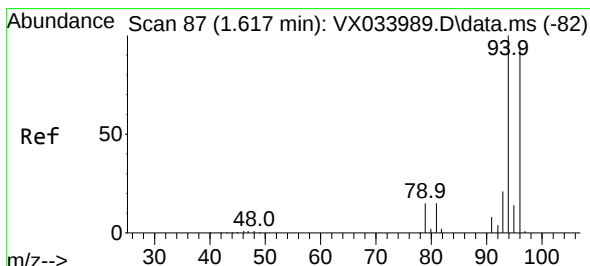
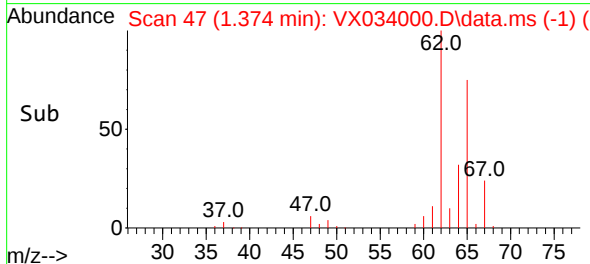
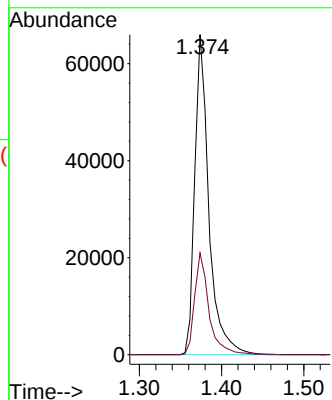
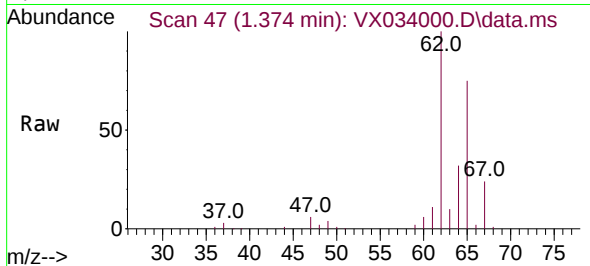




#5
 Vinyl chloride
 Concen: 50.851 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX034000.D
 Acq: 03 Feb 2023 08:57

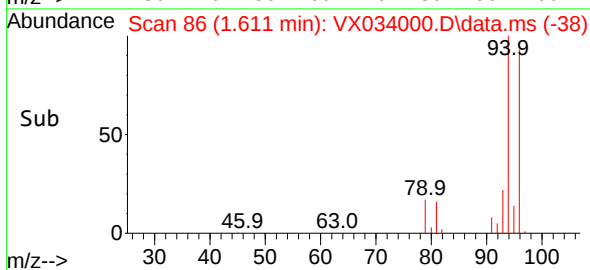
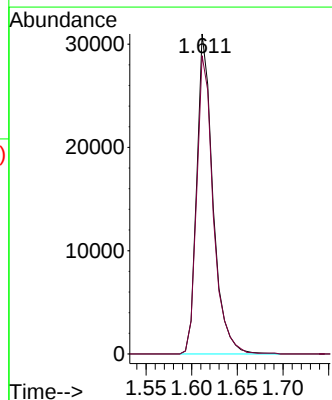
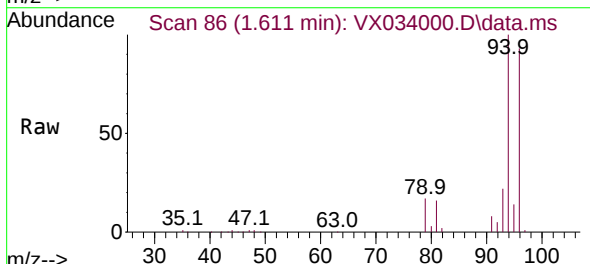
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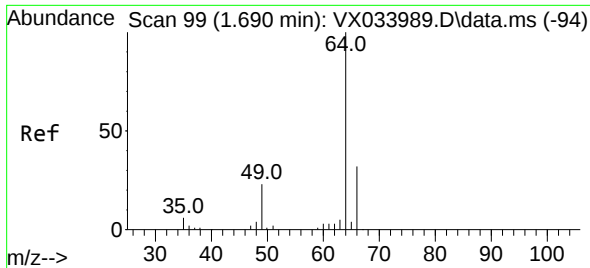
Tgt Ion: 62 Resp: 78694
 Ion Ratio Lower Upper
 62 100
 64 31.7 23.2 43.0



#6
 Bromomethane
 Concen: 47.576 ug/L
 RT: 1.611 min Scan# 86
 Delta R.T. -0.006 min
 Lab File: VX034000.D
 Acq: 03 Feb 2023 08:57

Tgt Ion: 94 Resp: 38179
 Ion Ratio Lower Upper
 94 100
 96 93.2 65.7 122.1

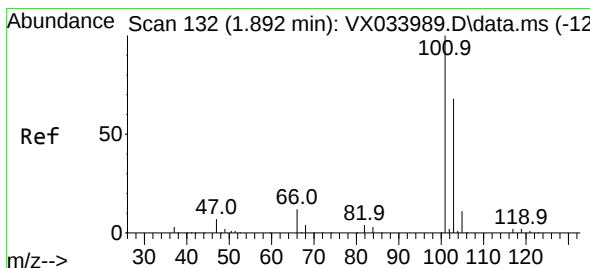
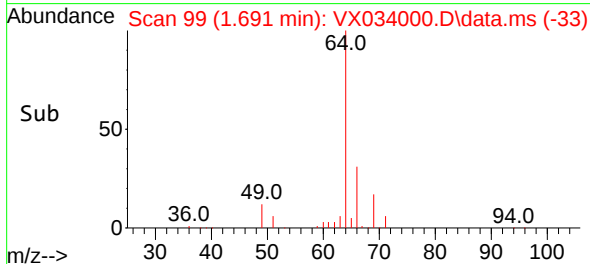
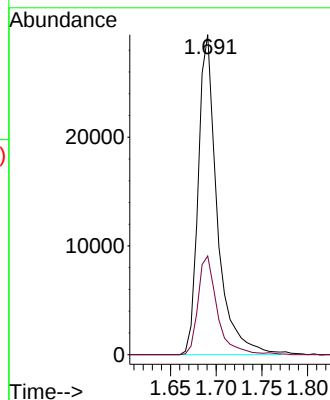
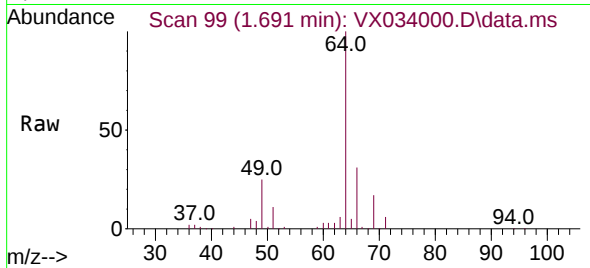




#8
Chloroethane
Concen: 51.647 ug/L
RT: 1.691 min Scan# 99
Delta R.T. 0.000 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

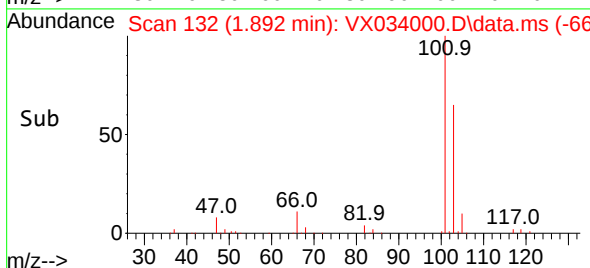
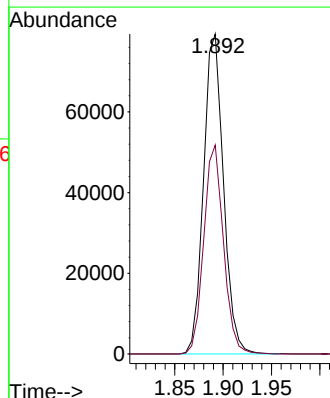
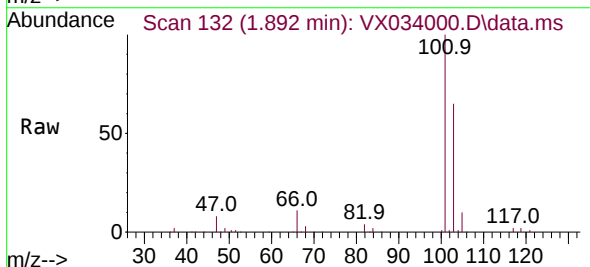
Instrument :
MSVOA_X
ClientSampleId :
VSTD050616

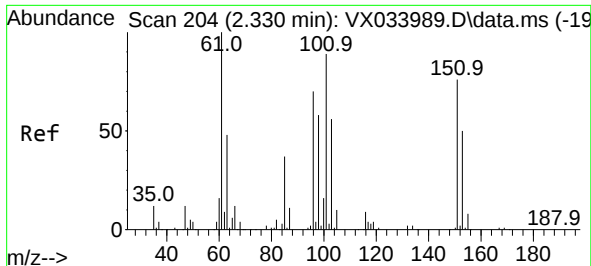
Tgt Ion: 64 Resp: 42489
Ion Ratio Lower Upper
64 100
66 30.9 22.5 41.9



#9
Trichlorofluoromethane
Concen: 51.937 ug/L
RT: 1.892 min Scan# 132
Delta R.T. 0.000 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

Tgt Ion: 101 Resp: 113920
Ion Ratio Lower Upper
101 100
103 64.6 52.6 78.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 52.707 ug/L

RT: 2.331 min Scan# 204

Delta R.T. 0.000 min

Lab File: VX034000.D

Acq: 03 Feb 2023 08:57

Instrument :

MSVOA_X

ClientSampleId :

VSTD050616

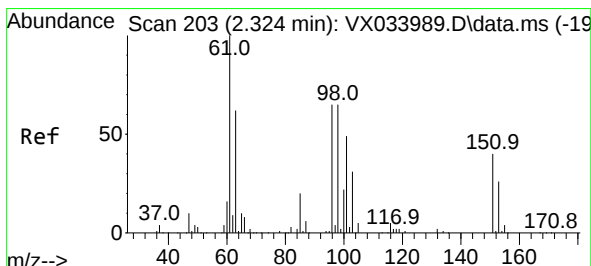
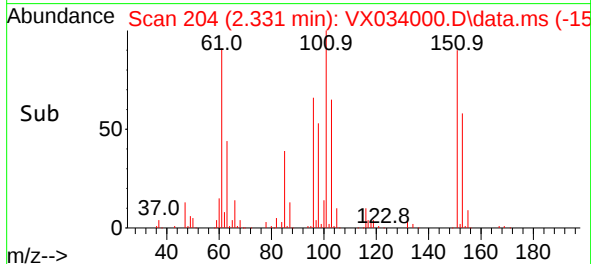
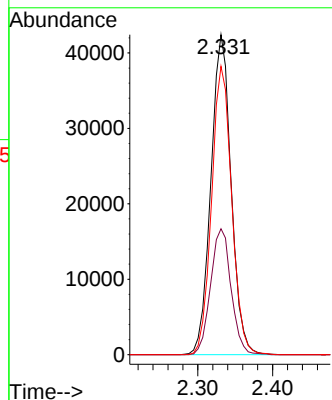
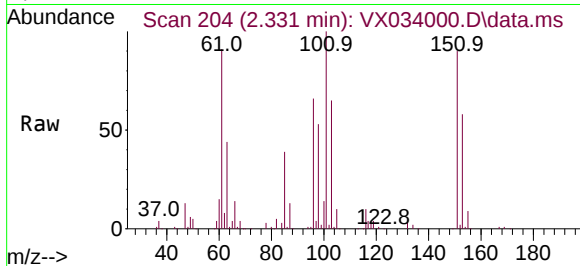
Tgt Ion:101 Resp: 79948

Ion Ratio Lower Upper

101 100

85 39.9 32.2 48.4

151 89.4 69.3 103.9



#12

1,1-Dichloroethene

Concen: 52.178 ug/L

RT: 2.319 min Scan# 202

Delta R.T. -0.006 min

Lab File: VX034000.D

Acq: 03 Feb 2023 08:57

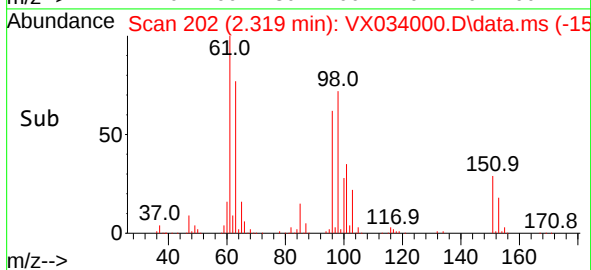
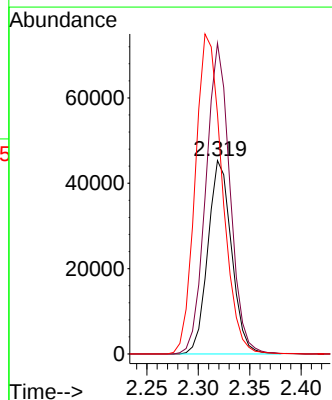
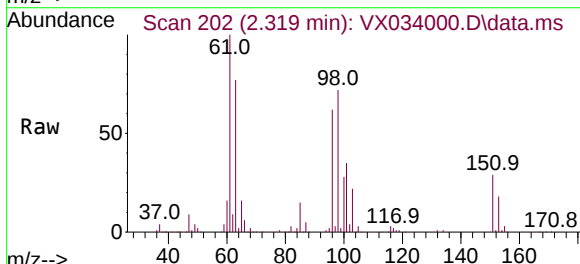
Tgt Ion: 96 Resp: 72401

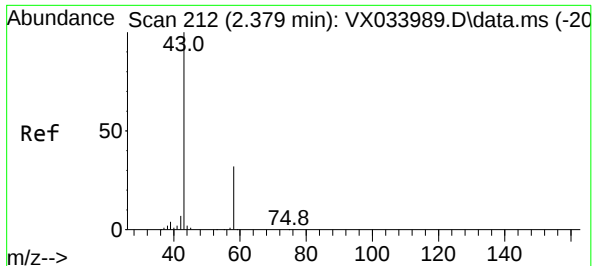
Ion Ratio Lower Upper

96 100

61 160.7 107.6 199.8

63 124.1 69.6 129.2





#13

Acetone

Concen: 106.274 ug/L

RT: 2.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX034000.D

Acq: 03 Feb 2023 08:57

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MSVOA_X

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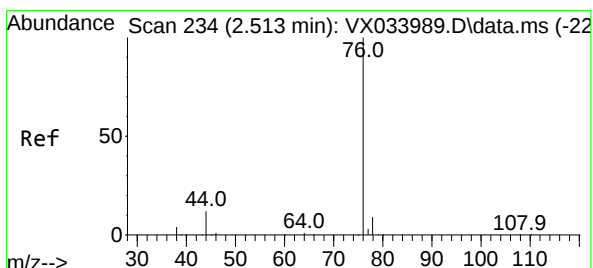
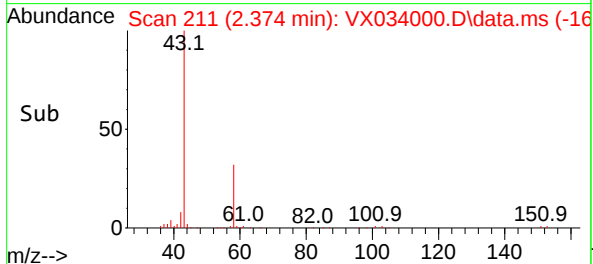
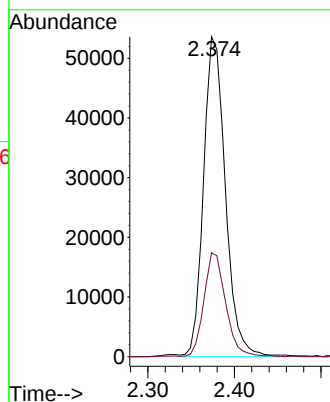
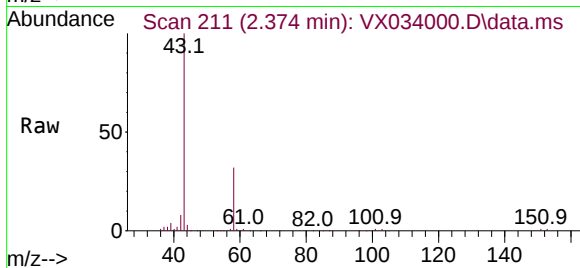
VSTD050616

Tgt Ion: 43 Resp: 94087

Ion Ratio Lower Upper

43 100

58 32.3 0.0 62.8



#14

Carbon disulfide

Concen: 53.957 ug/L

RT: 2.514 min Scan# 234

Delta R.T. 0.000 min

Lab File: VX034000.D

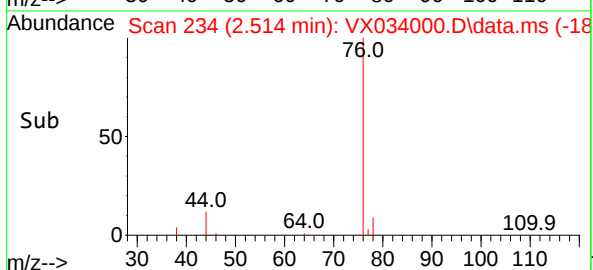
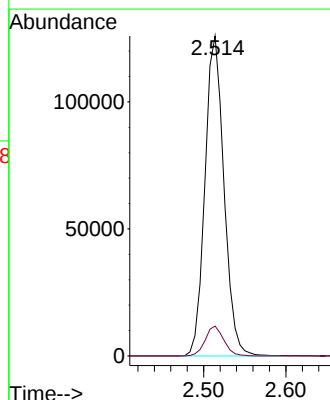
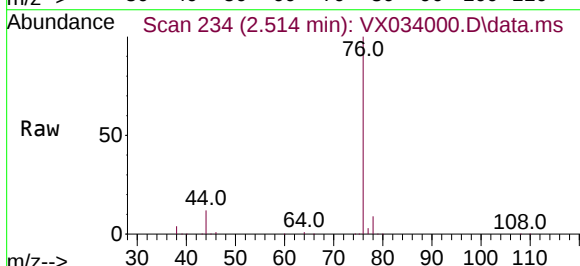
Acq: 03 Feb 2023 08:57

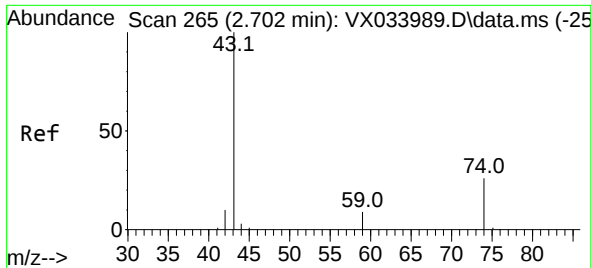
Tgt Ion: 76 Resp: 202641

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

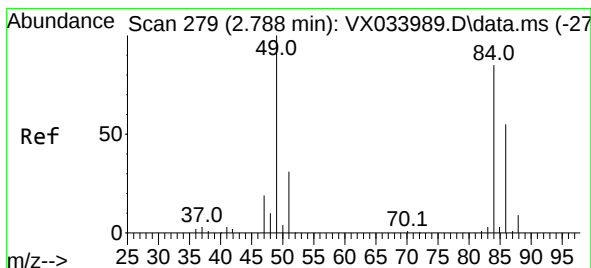
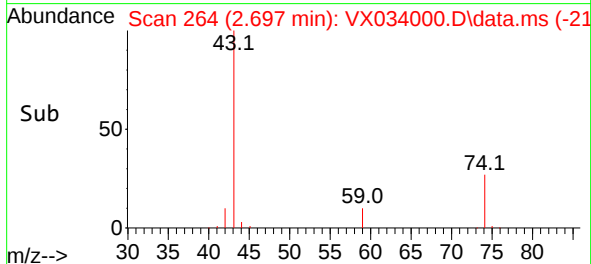
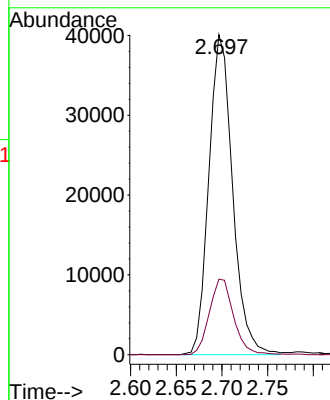
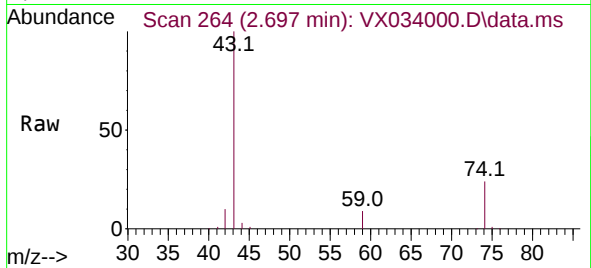




#15
Methyl Acetate
Concen: 51.305 ug/L
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

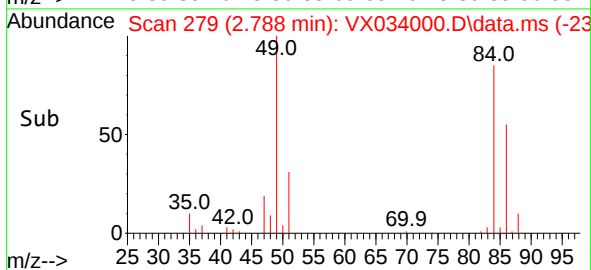
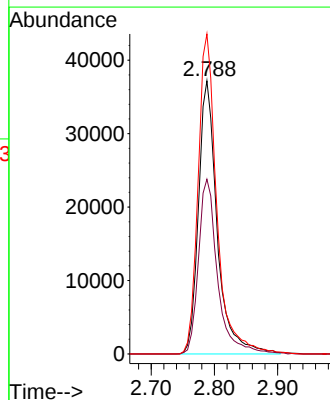
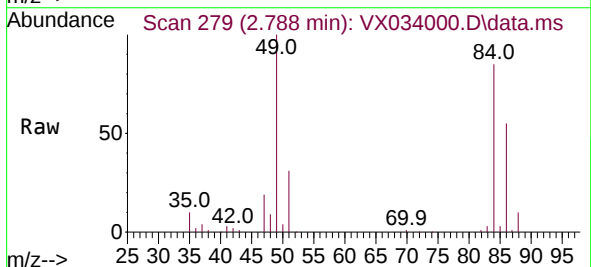
Instrument :
MSVOA_X
ClientSampleId :
VSTD050616

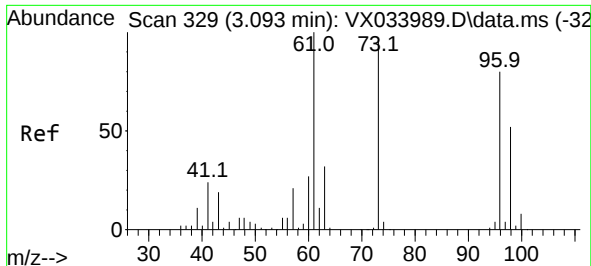
Tgt Ion: 43 Resp: 72363
Ion Ratio Lower Upper
43 100
74 24.1 19.7 29.5



#16
Methylene chloride
Concen: 52.436 ug/L
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

Tgt Ion: 84 Resp: 77049
Ion Ratio Lower Upper
84 100
86 64.0 45.2 84.0
49 117.2 82.5 153.1





#17

trans-1,2-Dichloroethene

Concen: 53.160 ug/L

RT: 3.093 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX034000.D

Acq: 03 Feb 2023 08:57

Instrument :

MSVOA_X

ClientSampleId :

VSTD050616

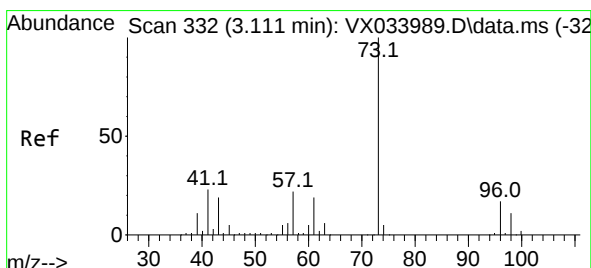
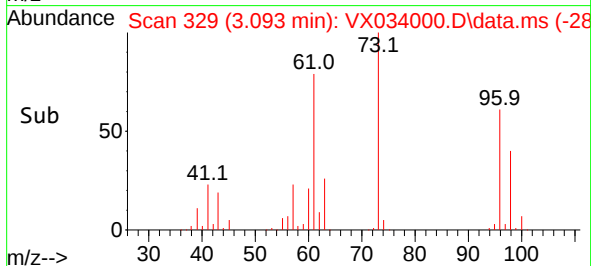
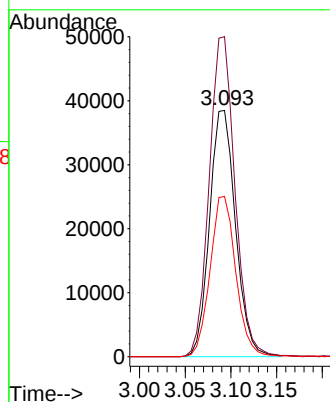
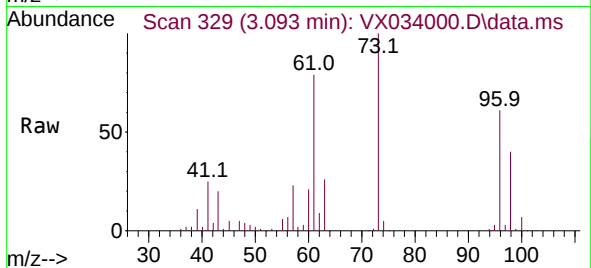
Tgt Ion: 96 Resp: 76146

Ion Ratio Lower Upper

96 100

61 129.9 87.7 162.9

98 65.1 45.4 84.4



#18

Methyl tert-butyl Ether

Concen: 53.063 ug/L

RT: 3.105 min Scan# 331

Delta R.T. -0.006 min

Lab File: VX034000.D

Acq: 03 Feb 2023 08:57

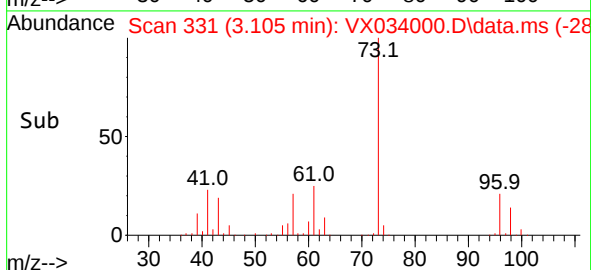
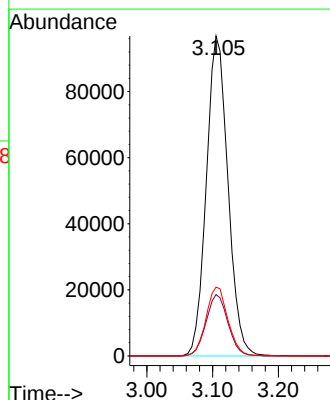
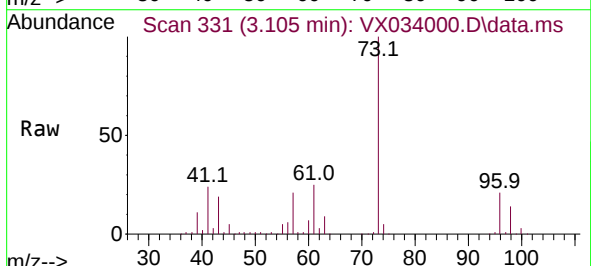
Tgt Ion: 73 Resp: 221304

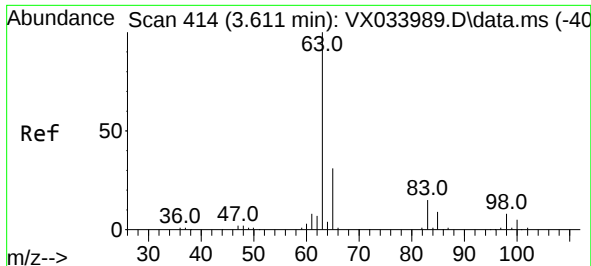
Ion Ratio Lower Upper

73 100

43 19.5 15.6 23.4

57 21.8 17.5 26.3





#19

1,1-Dichloroethane

Concen: 53.173 ug/L

RT: 3.605 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX034000.D

Acq: 03 Feb 2023 08:57

Instrument :

MSVOA_X

ClientSampleId :

VSTD050616

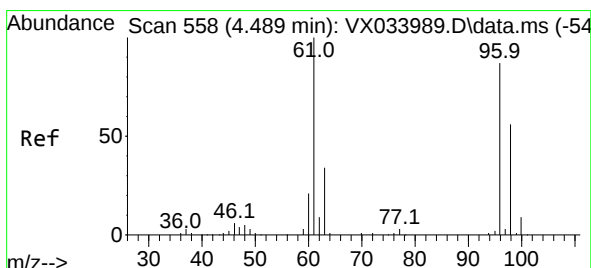
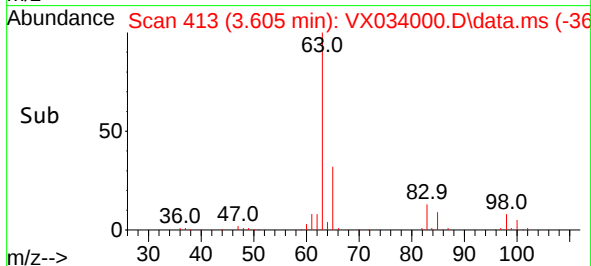
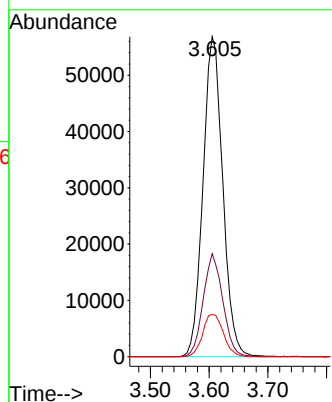
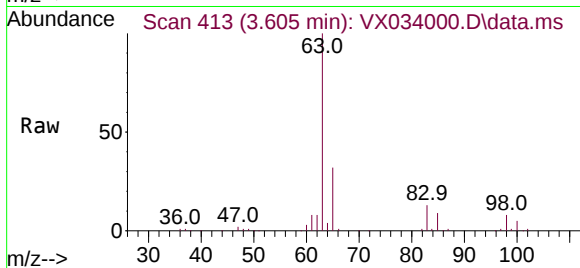
Tgt Ion: 63 Resp: 132926

Ion Ratio Lower Upper

63 100

65 32.2 21.9 40.7

83 13.3 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 52.599 ug/L

RT: 4.483 min Scan# 557

Delta R.T. -0.006 min

Lab File: VX034000.D

Acq: 03 Feb 2023 08:57

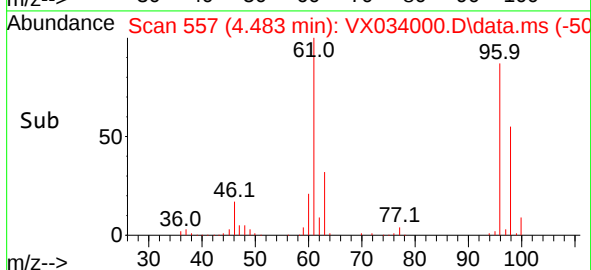
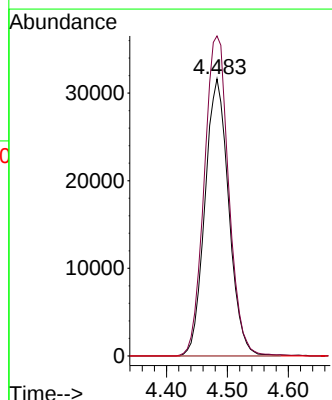
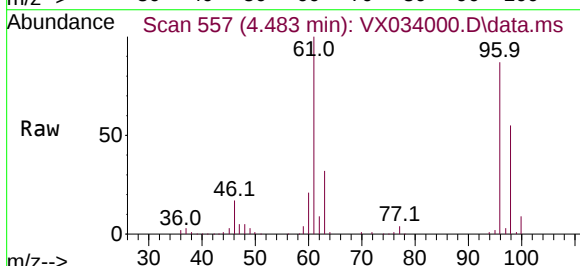
Tgt Ion: 96 Resp: 86101

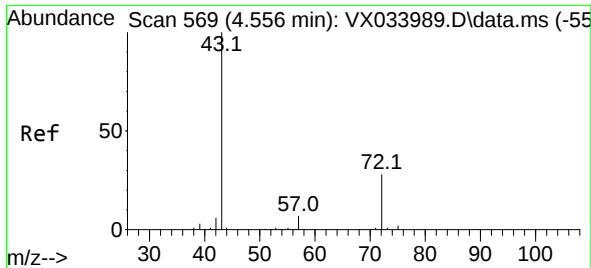
Ion Ratio Lower Upper

96 100

61 115.5 80.3 149.1

68 0.0 0.0 0.0

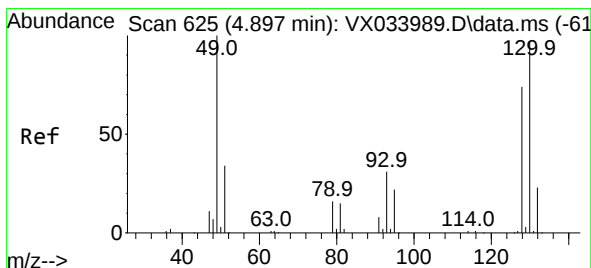
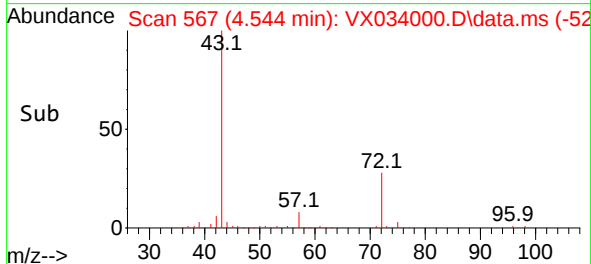
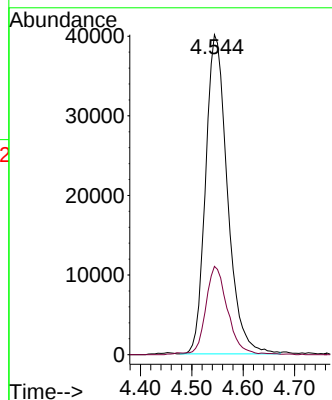
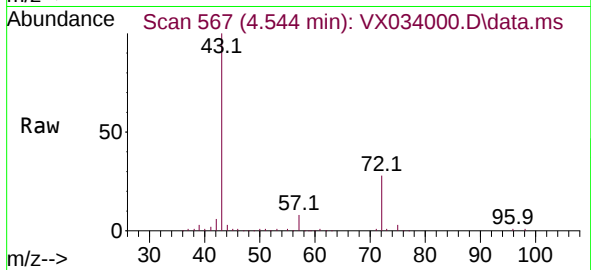




#22
2-Butanone
Concen: 107.555 ug/L
RT: 4.544 min Scan# 567
Delta R.T. -0.012 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

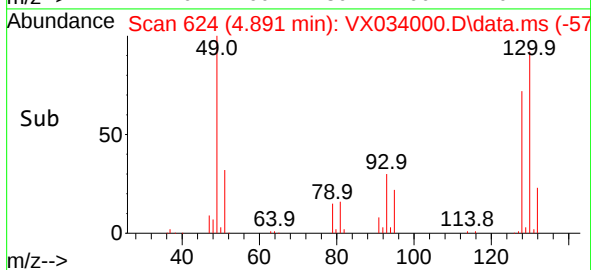
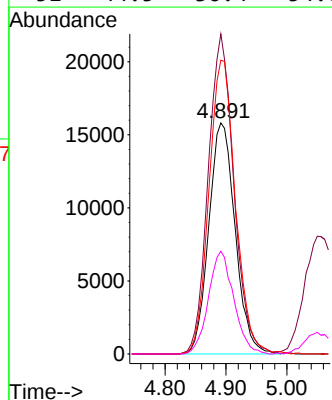
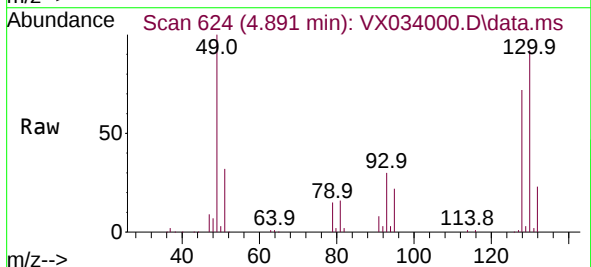
Instrument :
MSVOA_X
ClientSampleId :
VSTD050616

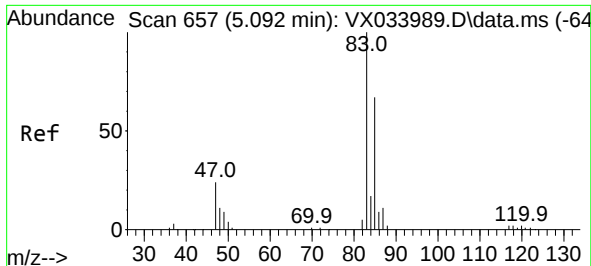
Tgt Ion: 43 Resp: 118309
Ion Ratio Lower Upper
43 100
72 27.2 13.2 39.6



#23
Bromochloromethane
Concen: 52.839 ug/L
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

Tgt Ion: 128 Resp: 47482
Ion Ratio Lower Upper
128 100
49 138.5 94.7 175.9
130 127.2 91.3 169.6
51 44.5 36.4 54.6

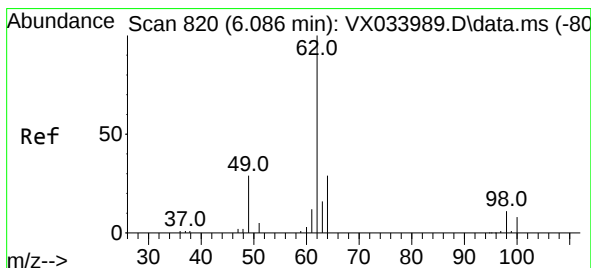
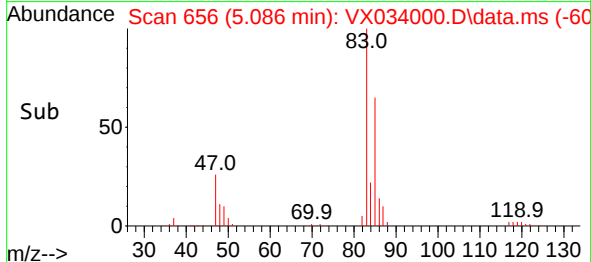
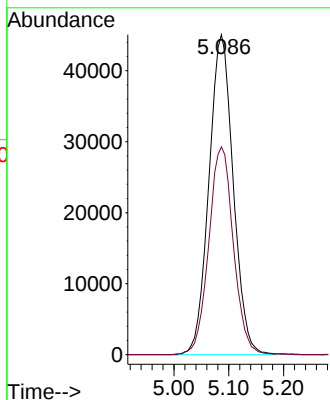
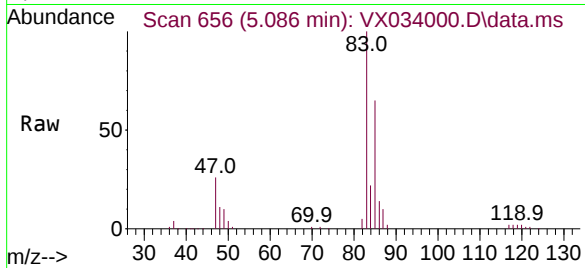




#25
Chloroform
Concen: 53.639 ug/L
RT: 5.086 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

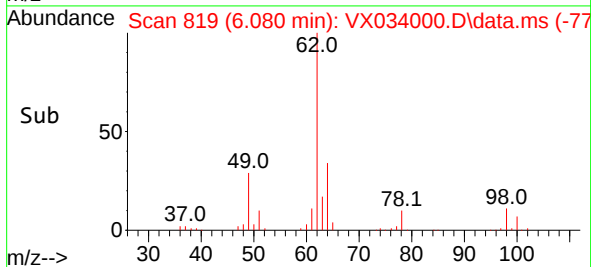
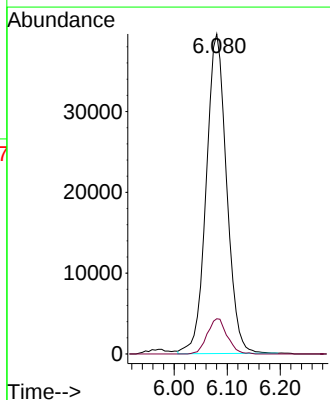
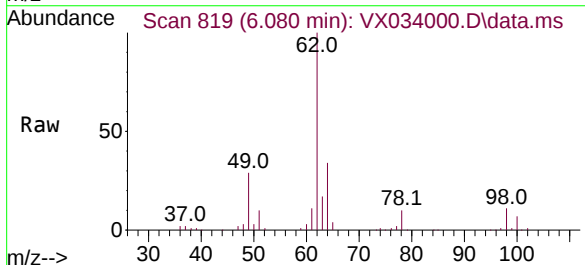
Instrument :
MSVOA_X
ClientSampleId :
VSTD050616

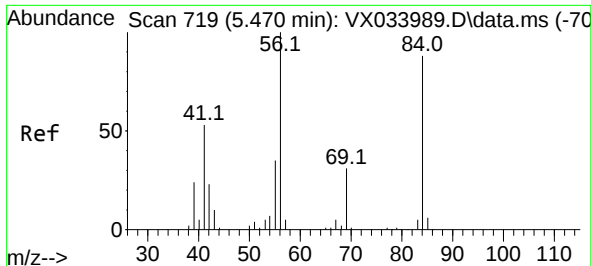
Tgt Ion: 83 Resp: 138469
Ion Ratio Lower Upper
83 100
85 64.9 47.0 87.4



#27
1,2-Dichloroethane
Concen: 53.237 ug/L
RT: 6.080 min Scan# 819
Delta R.T. -0.006 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

Tgt Ion: 62 Resp: 105480
Ion Ratio Lower Upper
62 100
98 11.0 9.1 13.7

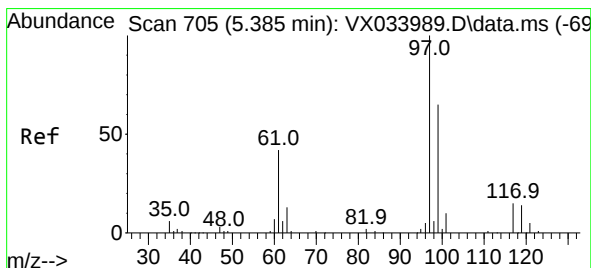
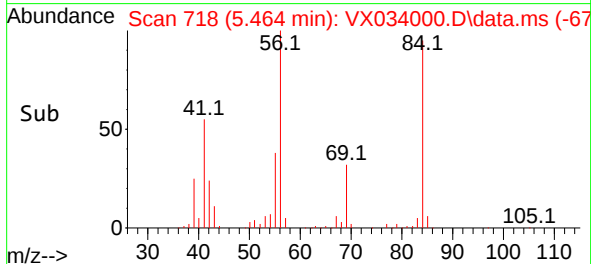
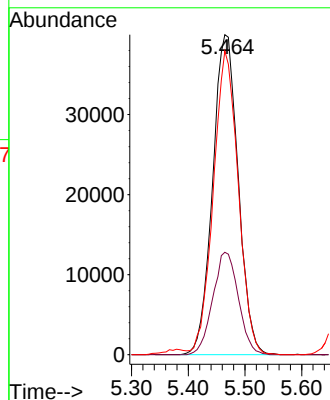
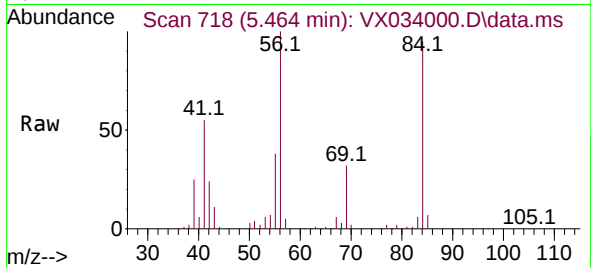




#29
Cyclohexane
Concen: 52.155 ug/L
RT: 5.464 min Scan# 719
Delta R.T. -0.006 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

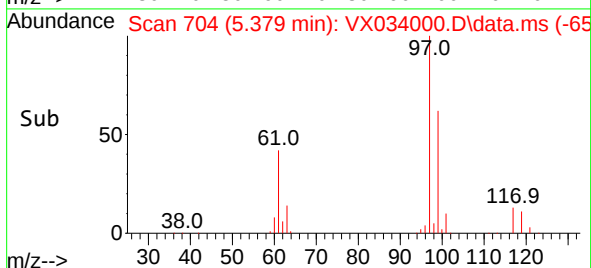
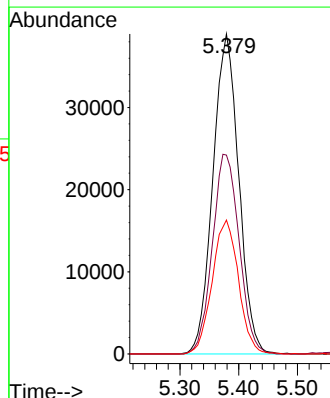
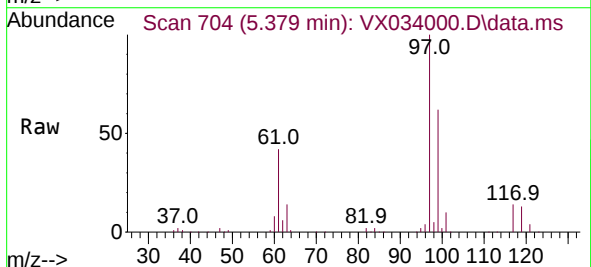
Instrument :
MSVOA_X
ClientSampleId :
VSTD050616

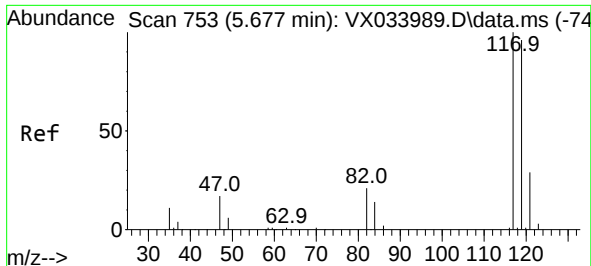
Tgt Ion: 56 Resp: 124974
Ion Ratio Lower Upper
56 100
69 32.0 24.8 37.2
84 92.5 73.2 109.8



#30
1,1,1-Trichloroethane
Concen: 53.822 ug/L
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

Tgt Ion: 97 Resp: 119183
Ion Ratio Lower Upper
97 100
99 64.6 51.8 77.8
61 42.5 34.7 52.1

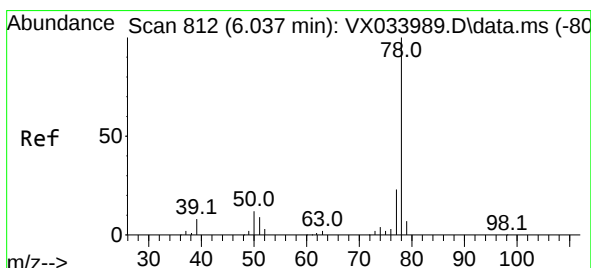
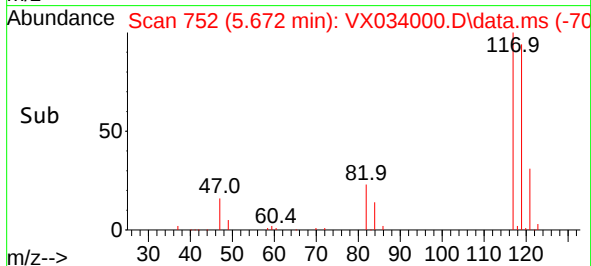
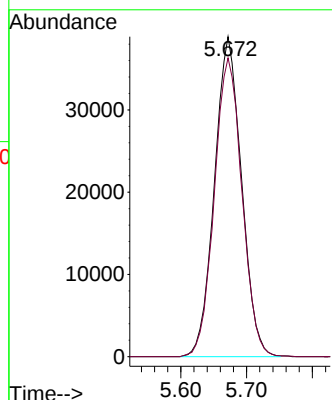
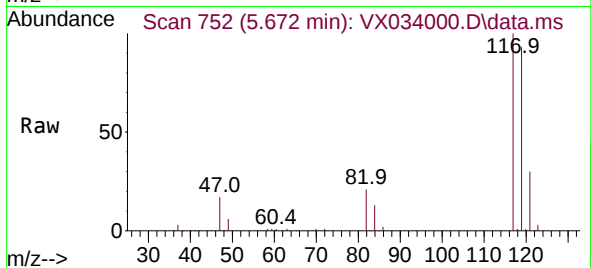




#31
Carbon tetrachloride
Concen: 54.024 ug/L
RT: 5.672 min Scan# 752
Delta R.T. -0.006 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

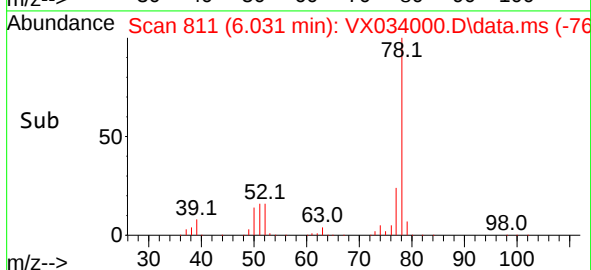
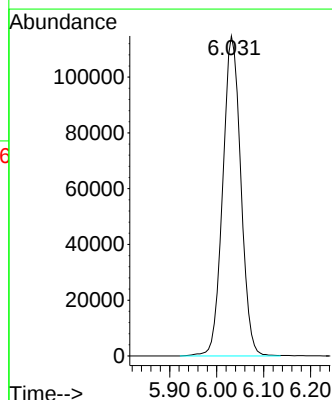
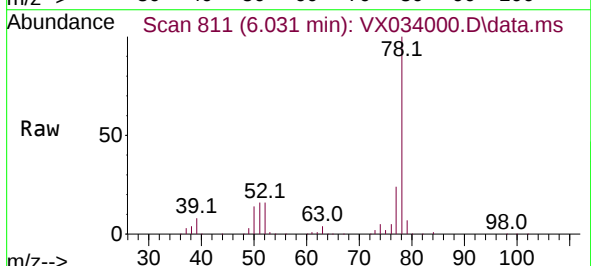
Instrument :
MSVOA_X
ClientSampleId :
VSTD050616

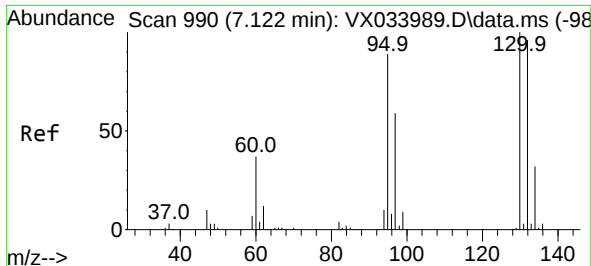
Tgt Ion:117 Resp: 111298
Ion Ratio Lower Upper
117 100
119 95.4 77.1 115.7



#33
Benzene
Concen: 52.802 ug/L
RT: 6.031 min Scan# 811
Delta R.T. -0.006 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

Tgt Ion: 78 Resp: 307617

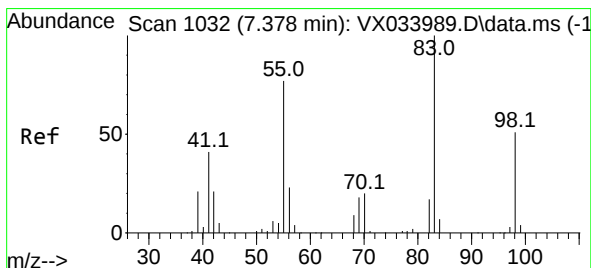
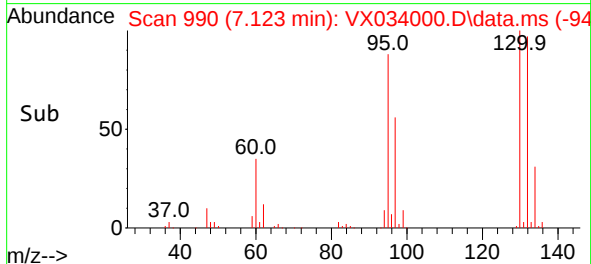
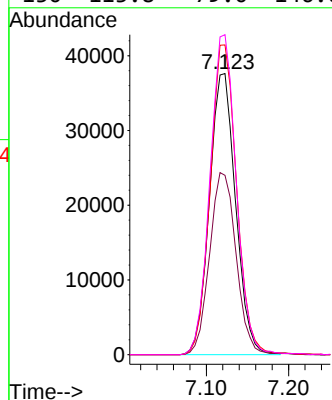
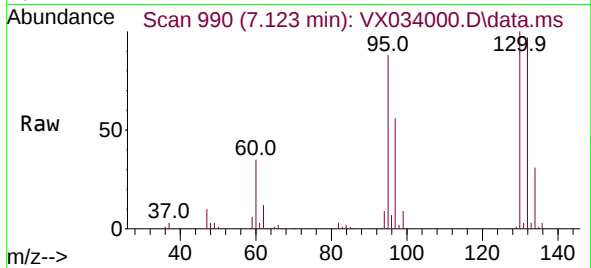




#34
Trichloroethene
Concen: 52.811 ug/L
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

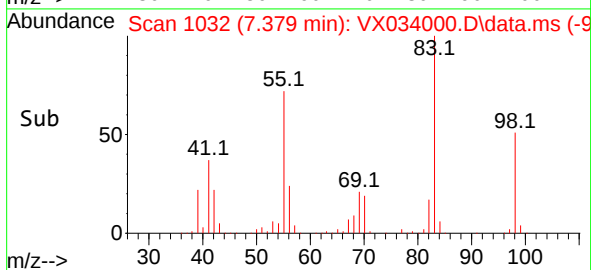
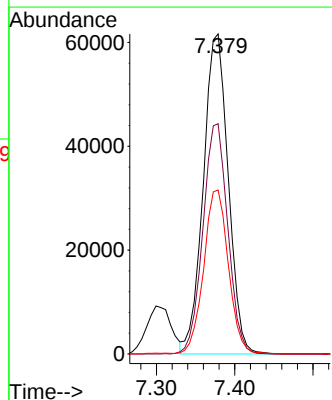
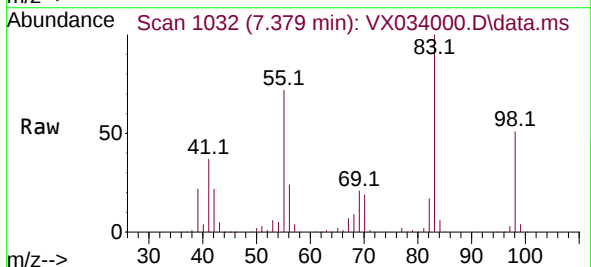
Instrument :
MSVOA_X
ClientSampleId :
VSTD050616

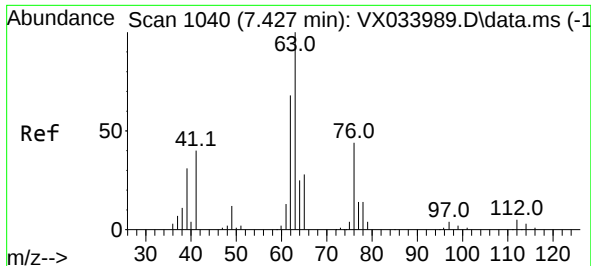
Tgt Ion: 95 Resp: 83383
Ion Ratio Lower Upper
95 100
97 63.8 46.8 87.0
132 110.2 76.2 141.4
130 113.8 79.0 146.6



#35
Methylcyclohexane
Concen: 54.161 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

Tgt Ion: 83 Resp: 136359
Ion Ratio Lower Upper
83 100
55 71.7 59.0 88.4
98 50.8 40.6 60.8





#37

1,2-Dichloropropane

Concen: 53.436 ug/L

RT: 7.428 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX034000.D

Acq: 03 Feb 2023 08:57

Instrument :

MSVOA_X

ClientSampleId :

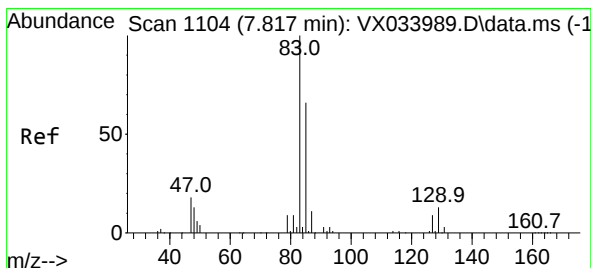
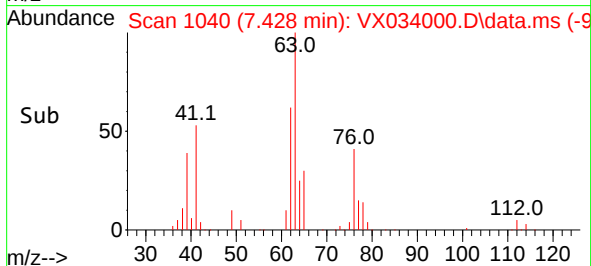
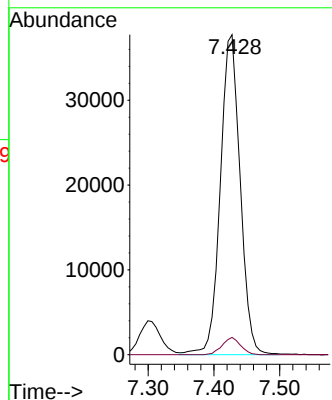
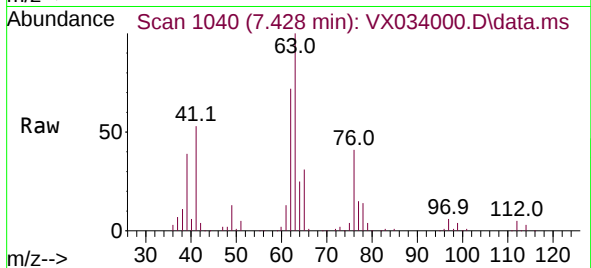
VSTD050616

Tgt Ion: 63 Resp: 79289

Ion Ratio Lower Upper

63 100

112 5.0 4.1 6.1



#38

Bromodichloromethane

Concen: 54.084 ug/L

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX034000.D

Acq: 03 Feb 2023 08:57

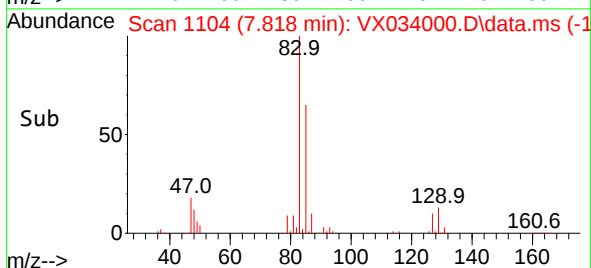
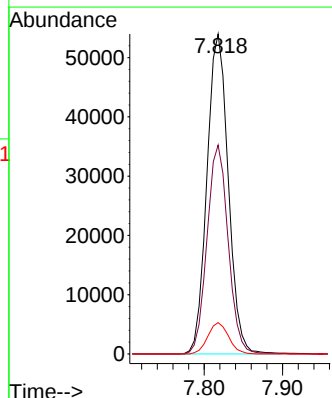
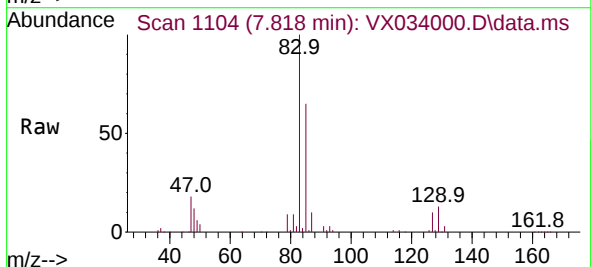
Tgt Ion: 83 Resp: 102042

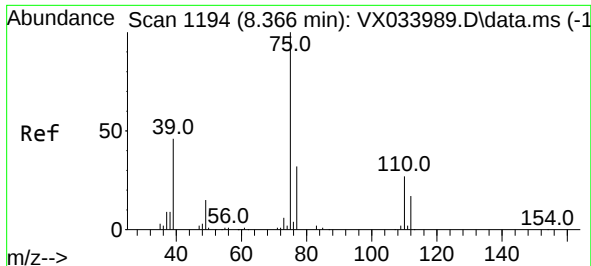
Ion Ratio Lower Upper

83 100

85 65.3 46.3 85.9

127 9.8 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 55.269 ug/L

RT: 8.360 min Scan# 1194

Delta R.T. -0.006 min

Lab File: VX034000.D

Acq: 03 Feb 2023 08:57

Instrument :

MSVOA_X

ClientSampleId :

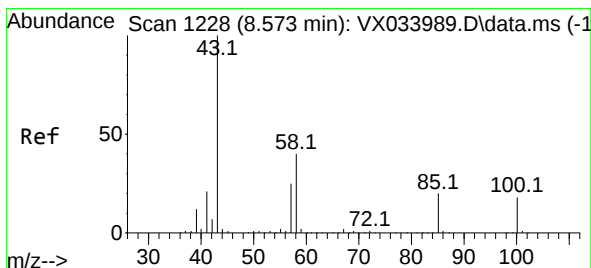
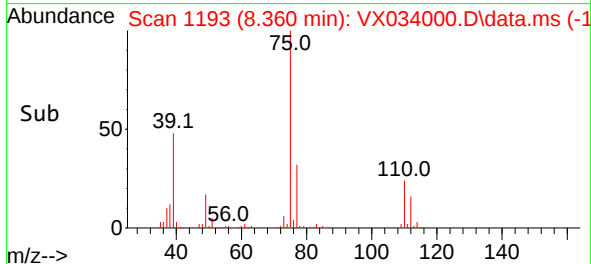
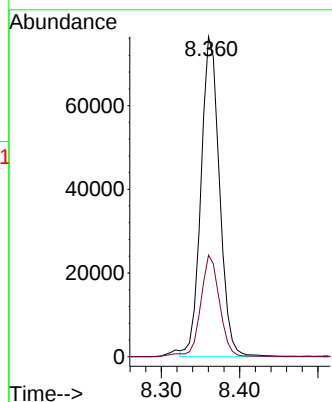
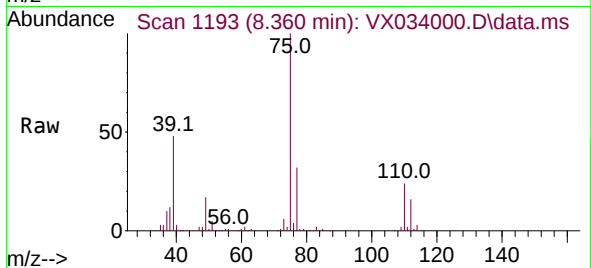
VSTD050616

Tgt Ion: 75 Resp: 125875

Ion Ratio Lower Upper

75 100

77 31.8 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 106.758 ug/L

RT: 8.568 min Scan# 1227

Delta R.T. -0.006 min

Lab File: VX034000.D

Acq: 03 Feb 2023 08:57

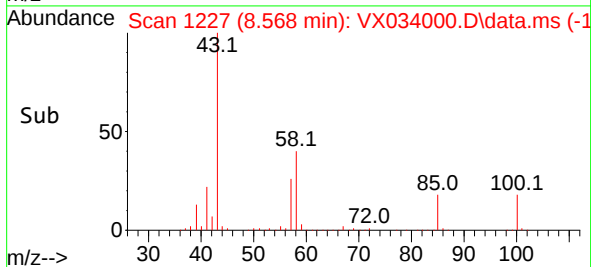
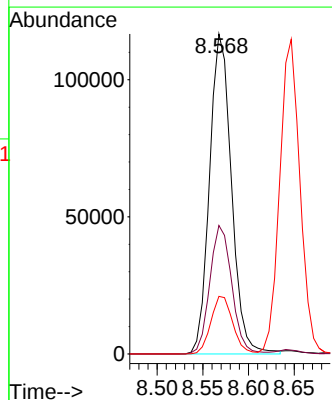
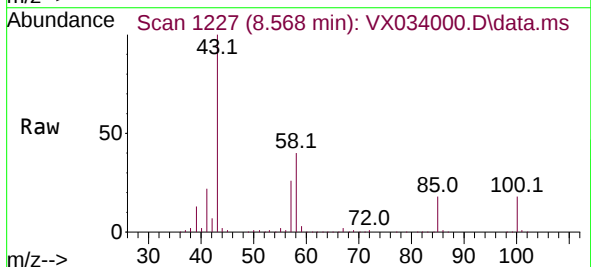
Tgt Ion: 43 Resp: 194941

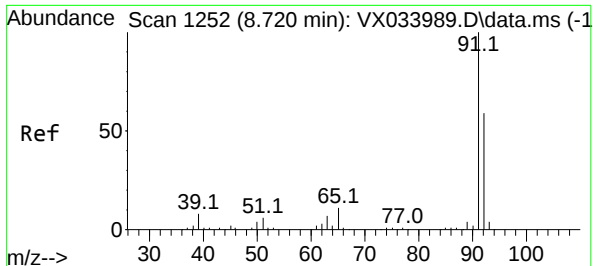
Ion Ratio Lower Upper

43 100

58 40.2 31.9 47.9

100 18.0 14.4 21.6





#42

Toluene

Concen: 53.460 ug/L

RT: 8.714 min Scan# 1251

Delta R.T. -0.006 min

Lab File: VX034000.D

Acq: 03 Feb 2023 08:57

Instrument :

MSVOA_X

ClientSampleId :

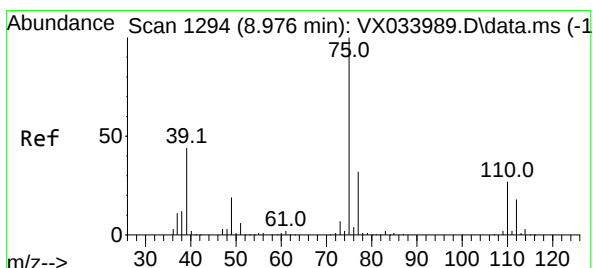
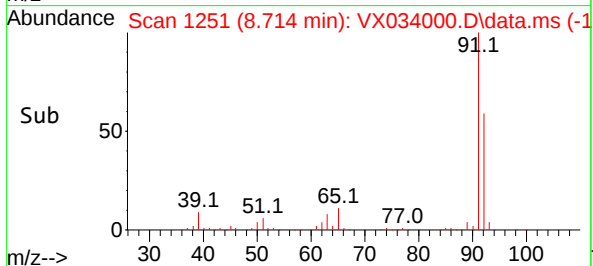
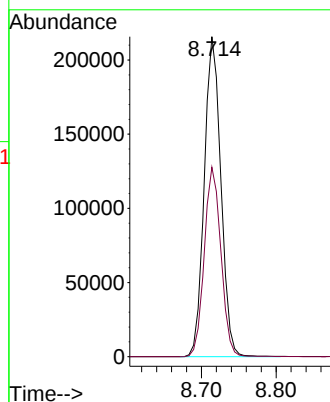
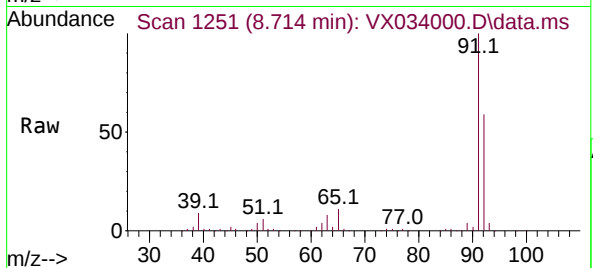
VSTD050616

Tgt Ion: 91 Resp: 333159

Ion Ratio Lower Upper

91 100

92 59.2 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 55.190 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX034000.D

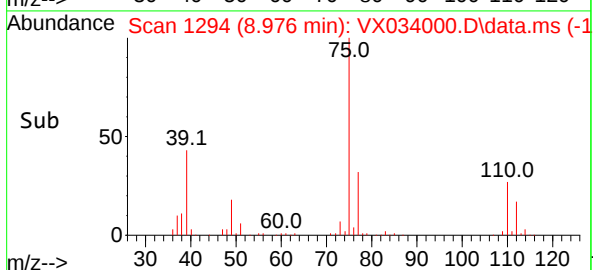
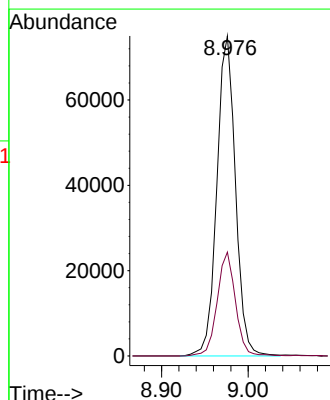
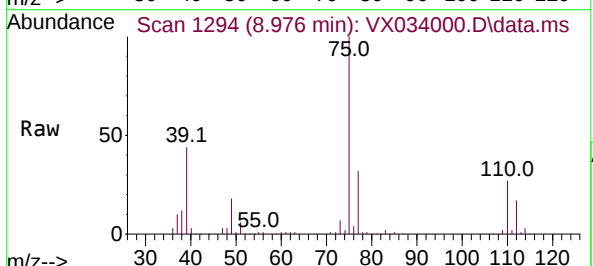
Acq: 03 Feb 2023 08:57

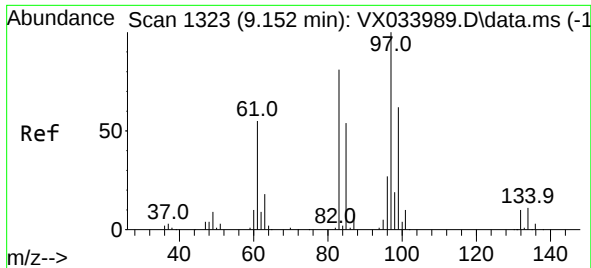
Tgt Ion: 75 Resp: 111850

Ion Ratio Lower Upper

75 100

77 32.4 22.3 41.3

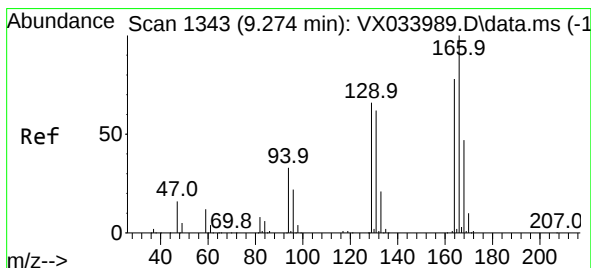
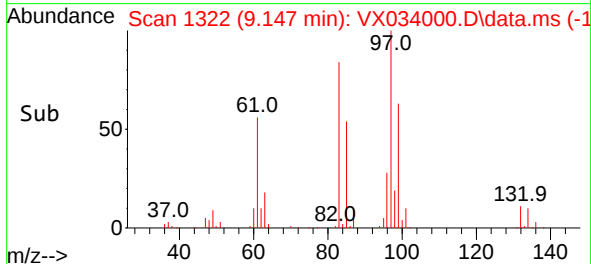
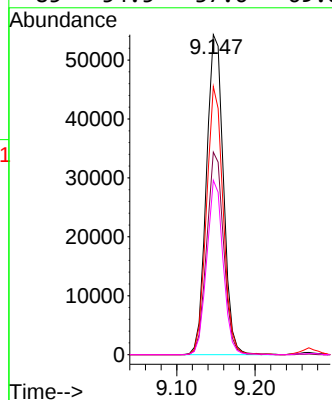
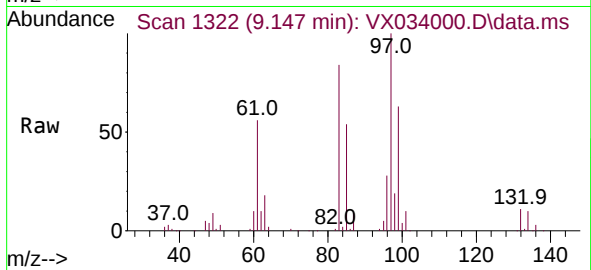




#45
1,1,2-Trichloroethane
Concen: 54.508 ug/L
RT: 9.147 min Scan# 1322
Delta R.T. -0.006 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

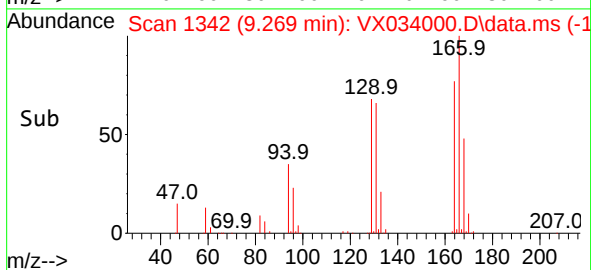
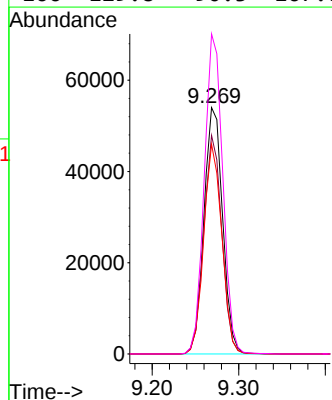
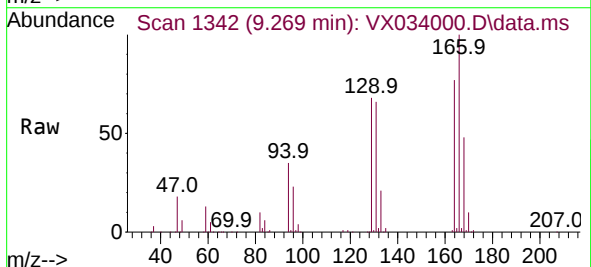
Instrument :
MSVOA_X
ClientSampleId :
VSTD050616

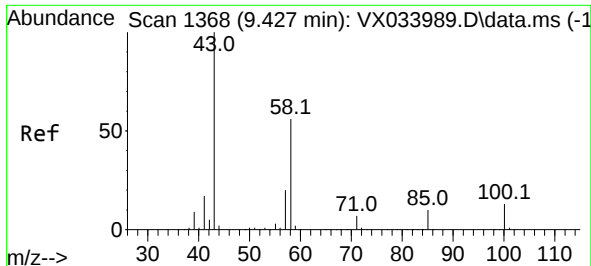
Tgt Ion:	97	Resp:	81873
Ion	Ratio	Lower	Upper
97	100		
99	63.3	43.5	80.9
83	83.8	56.8	105.4
85	54.5	37.6	69.8



#46
Tetrachloroethene
Concen: 53.483 ug/L
RT: 9.269 min Scan# 1342
Delta R.T. -0.006 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

Tgt Ion:	164	Resp:	81075
Ion	Ratio	Lower	Upper
164	100		
129	88.7	59.3	110.1
131	85.1	56.1	104.3
166	129.8	90.3	167.7





#48

2-Hexanone

Concen: 106.248 ug/L

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX034000.D

Acq: 03 Feb 2023 08:57

Instrument :

MSVOA_X

ClientSampleId :

VSTD050616

Tgt Ion: 43 Resp: 154611

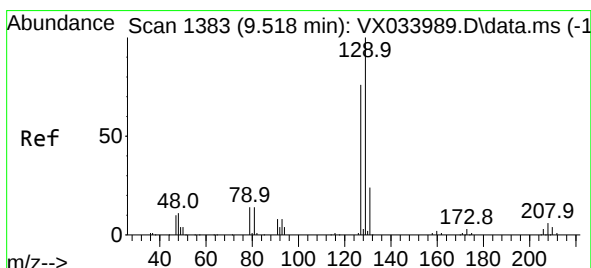
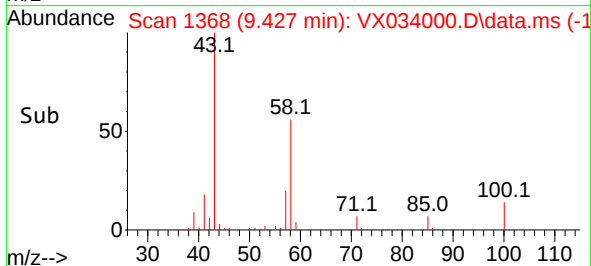
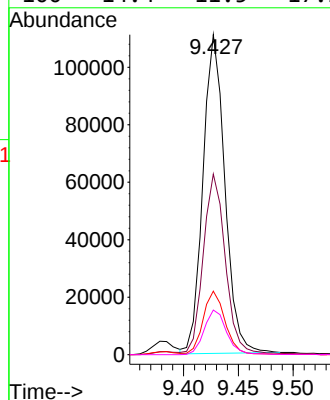
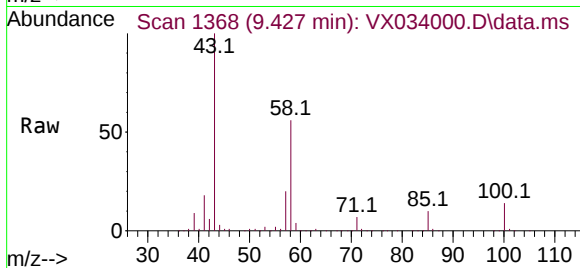
Ion Ratio Lower Upper

43 100

58 57.6 45.7 68.5

57 20.2 15.8 23.8

100 14.4 11.5 17.3



#49

Dibromochloromethane

Concen: 55.246 ug/L

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX034000.D

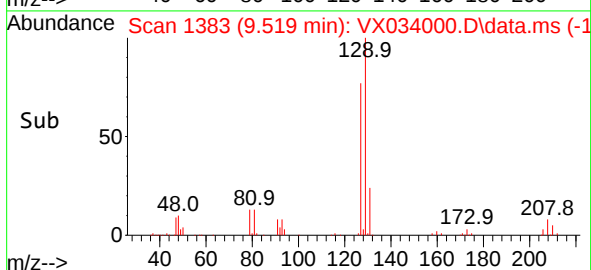
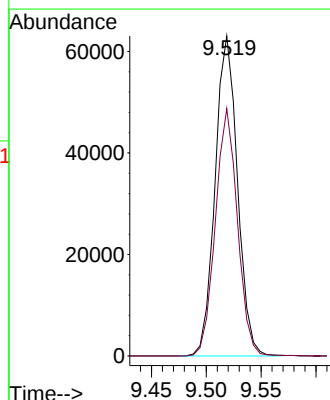
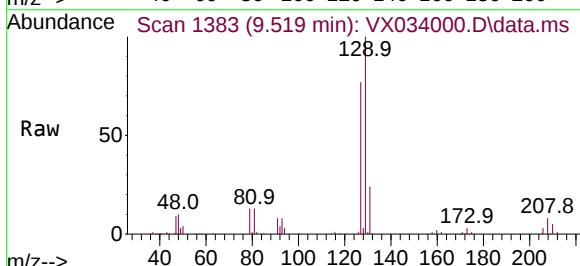
Acq: 03 Feb 2023 08:57

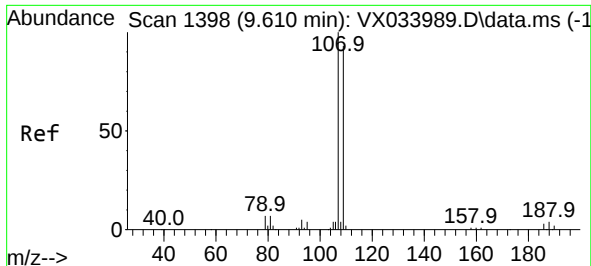
Tgt Ion: 129 Resp: 89534

Ion Ratio Lower Upper

129 100

127 77.3 53.3 98.9

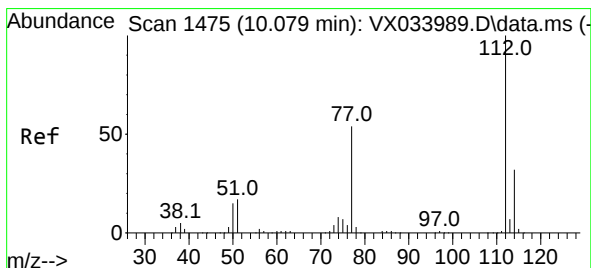
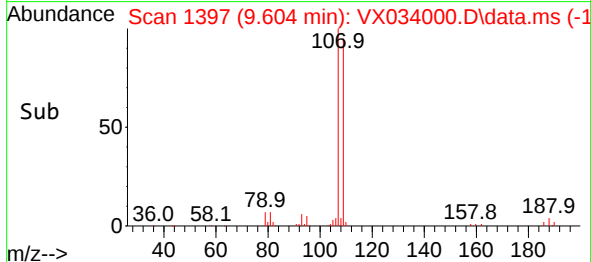
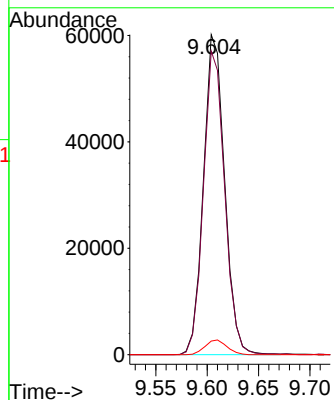
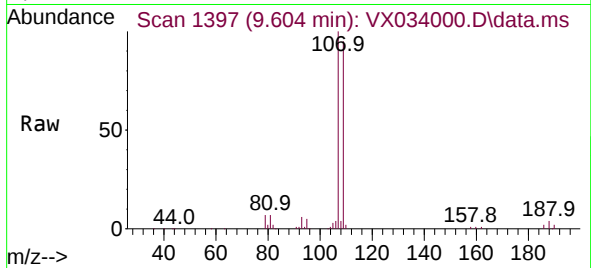




#50
1,2-Dibromoethane
Concen: 53.541 ug/L
RT: 9.604 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

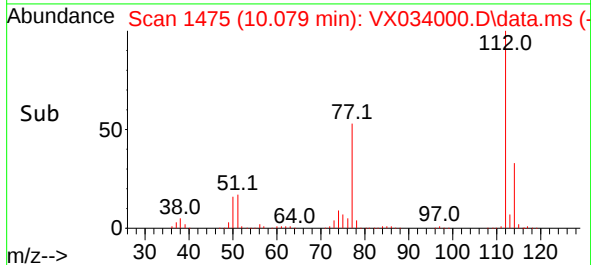
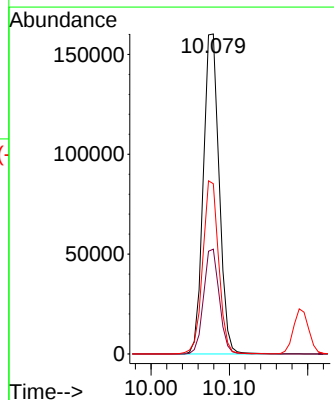
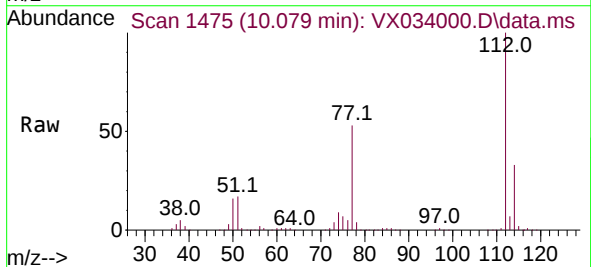
Instrument :
MSVOA_X
ClientSampleId :
VSTD050616

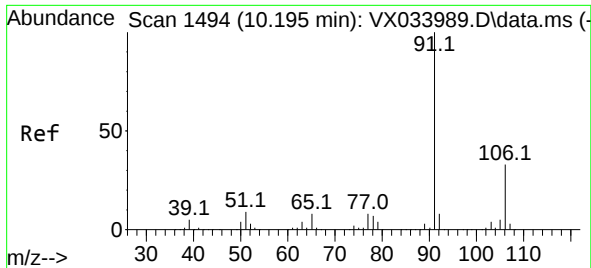
Tgt Ion:107 Resp: 86421
Ion Ratio Lower Upper
107 100
109 94.9 64.9 120.5
188 4.3 3.3 4.9



#51
Chlorobenzene
Concen: 53.479 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

Tgt Ion:112 Resp: 225161
Ion Ratio Lower Upper
112 100
114 32.8 22.7 42.3
77 53.2 43.4 65.0

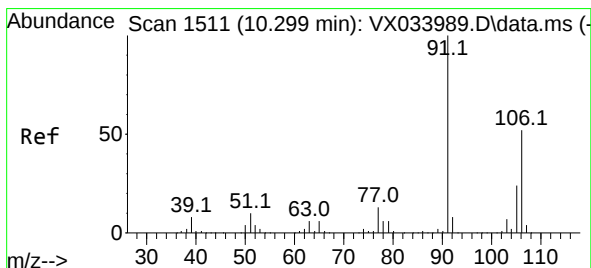
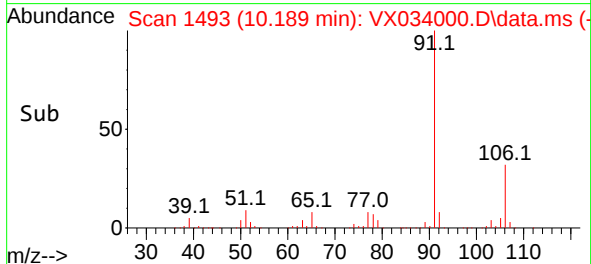
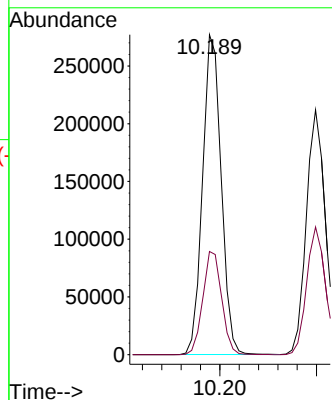
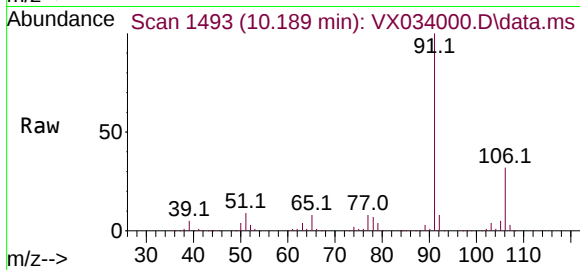




#52
Ethylbenzene
Concen: 54.210 ug/L
RT: 10.189 min Scan# 1493
Delta R.T. -0.006 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

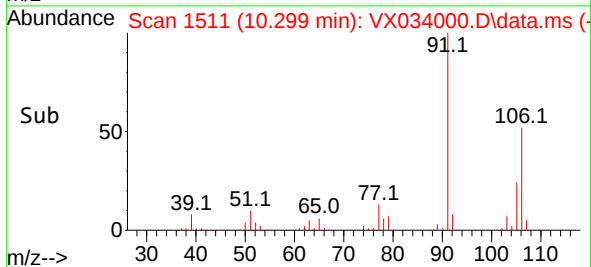
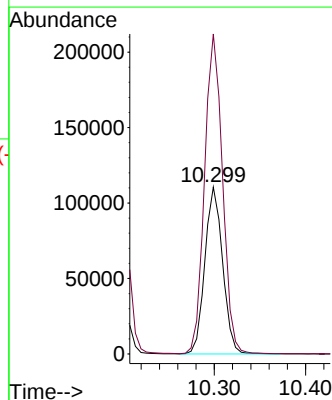
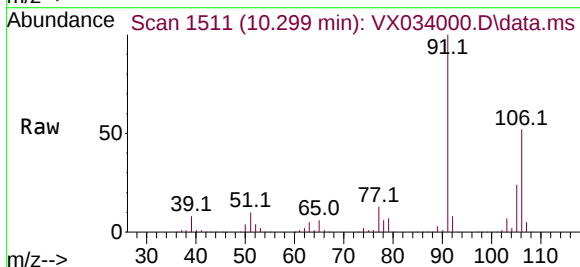
Instrument :
MSVOA_X
ClientSampleId :
VSTD050616

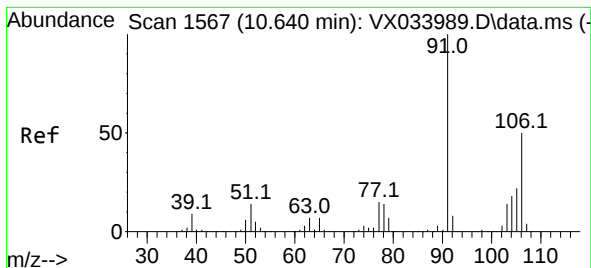
Tgt Ion: 91 Resp: 371269
Ion Ratio Lower Upper
91 100
106 32.2 23.2 43.0



#53
m,p-Xylene
Concen: 54.176 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

Tgt Ion:106 Resp: 148938
Ion Ratio Lower Upper
106 100
91 191.8 135.2 251.0





#54

o-Xylene

Concen: 54.348 ug/L

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX034000.D

Acq: 03 Feb 2023 08:57

Instrument :

MSVOA_X

ClientSampleId :

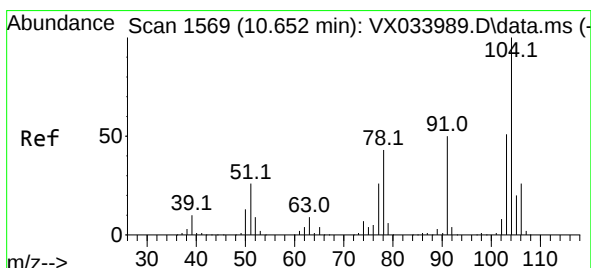
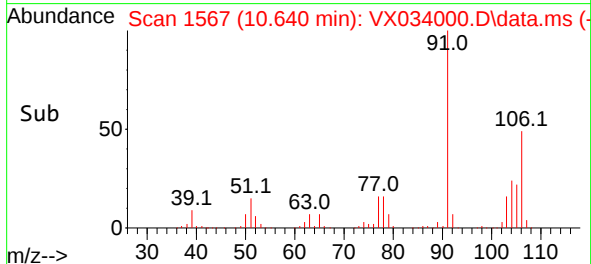
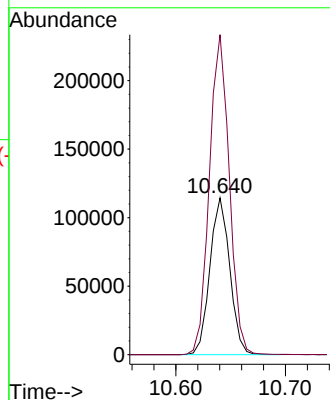
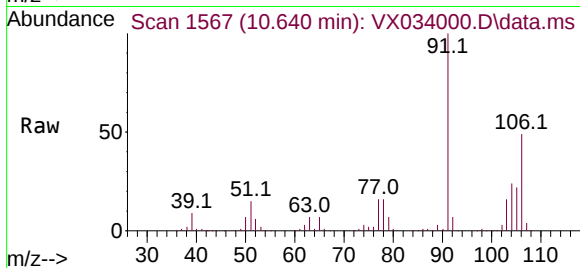
VSTD050616

Tgt Ion:106 Resp: 144346

Ion Ratio Lower Upper

106 100

91 204.1 140.2 260.4



#55

Styrene

Concen: 54.934 ug/L

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX034000.D

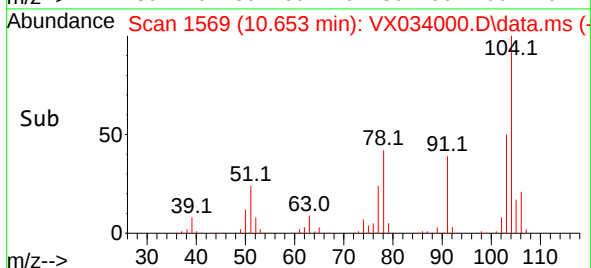
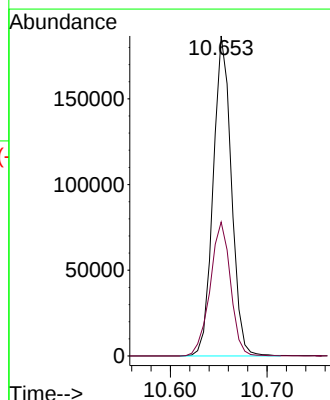
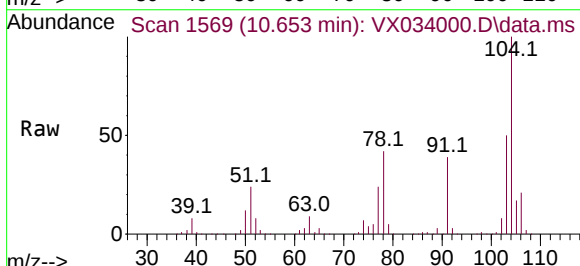
Acq: 03 Feb 2023 08:57

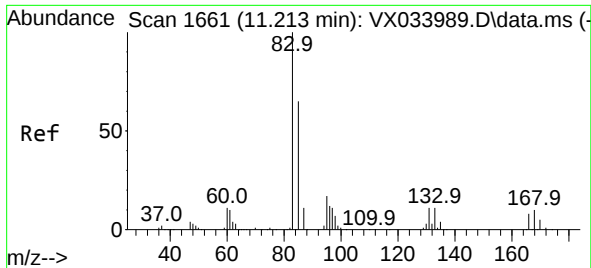
Tgt Ion:104 Resp: 244770

Ion Ratio Lower Upper

104 100

78 41.8 30.0 55.8

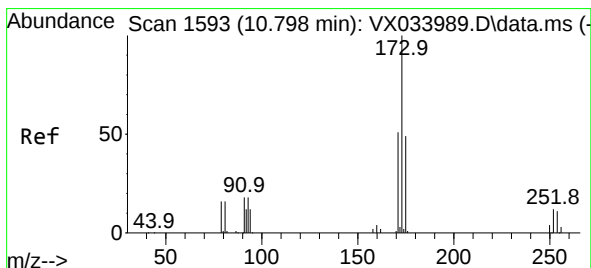
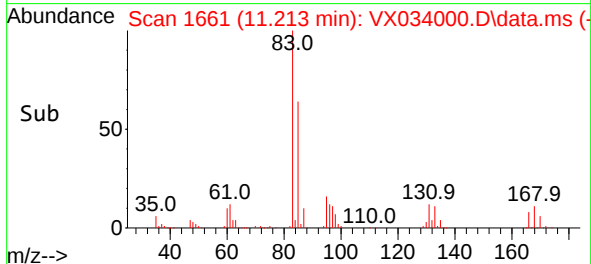
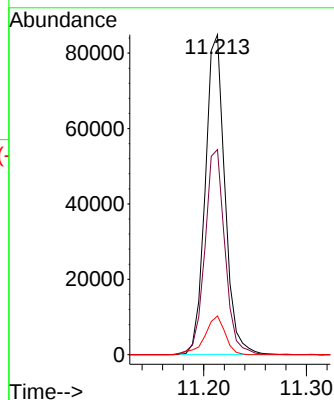
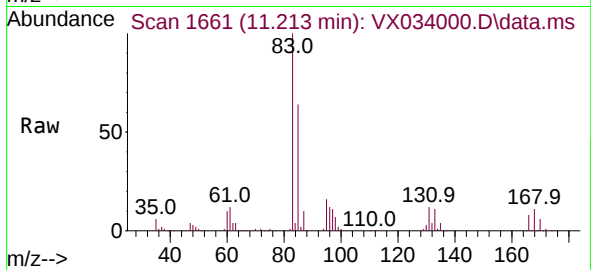




#57
1,1,2,2-Tetrachloroethane
Concen: 53.152 ug/L
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

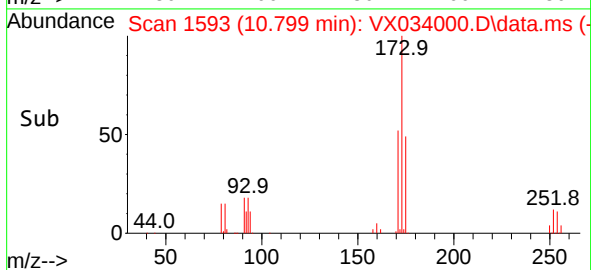
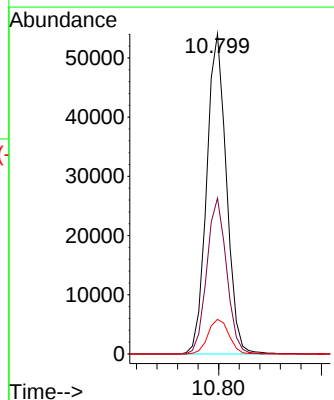
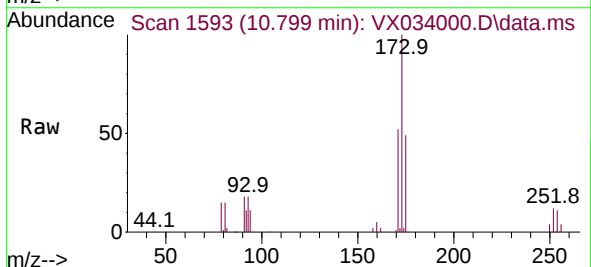
Instrument :
MSVOA_X
ClientSampleId :
VSTD050616

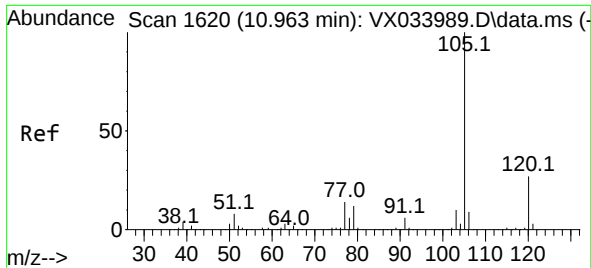
Tgt Ion: 83 Resp: 112235
Ion Ratio Lower Upper
83 100
85 64.1 45.8 85.0
131 12.1 9.1 13.7



#59
Bromoform
Concen: 54.710 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

Tgt Ion: 173 Resp: 72052
Ion Ratio Lower Upper
173 100
175 48.7 38.3 57.5
254 11.5 9.1 13.7

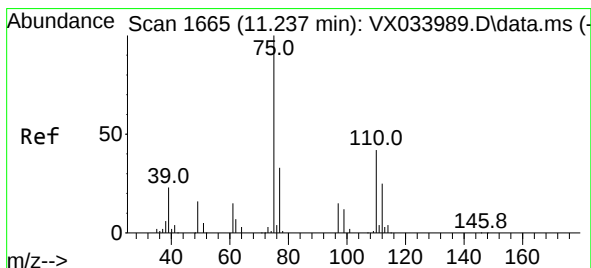
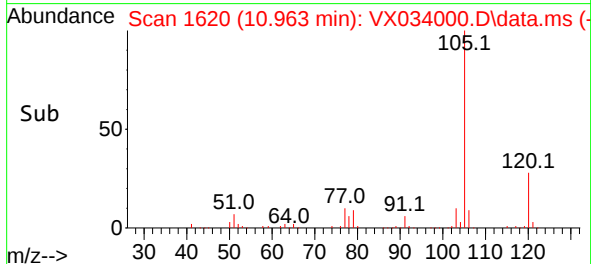
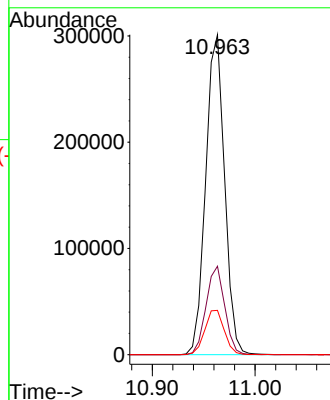
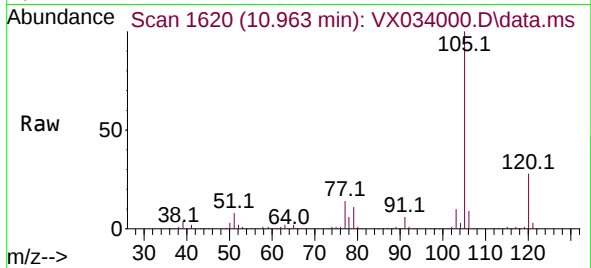




#60
Isopropylbenzene
Concen: 54.504 ug/L
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

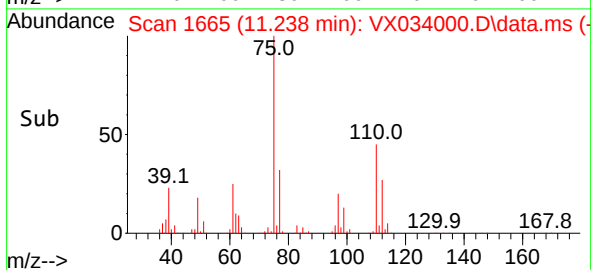
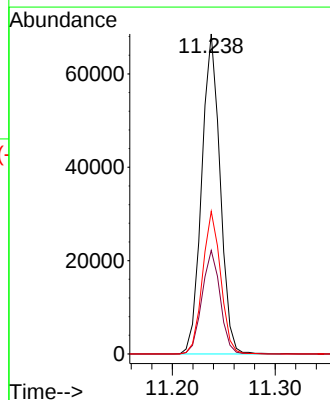
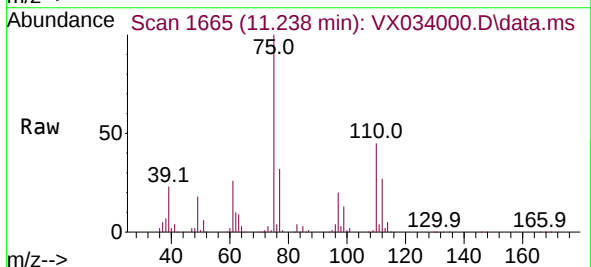
Instrument :
MSVOA_X
ClientSampleId :
VSTD050616

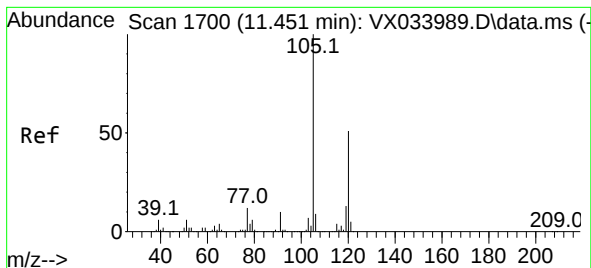
Tgt Ion:105 Resp: 385334
Ion Ratio Lower Upper
105 100
120 27.4 21.8 32.6
77 14.4 11.3 16.9



#61
1,2,3-Trichloropropane
Concen: 52.015 ug/L
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

Tgt Ion: 75 Resp: 85452
Ion Ratio Lower Upper
75 100
77 32.0 26.1 39.1
110 43.8 34.2 51.4





#62

1,3,5-Trimethylbenzene

Concen: 55.567 ug/L

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX034000.D

Acq: 03 Feb 2023 08:57

Instrument :

MSVOA_X

ClientSampleId :

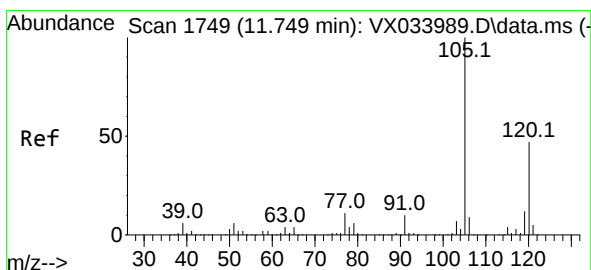
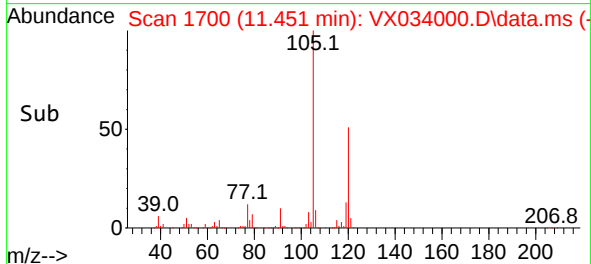
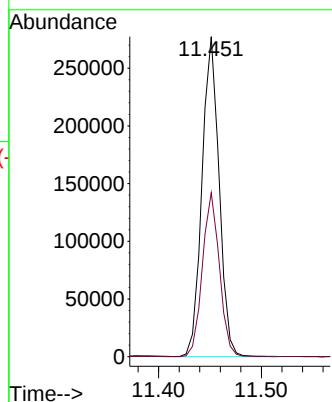
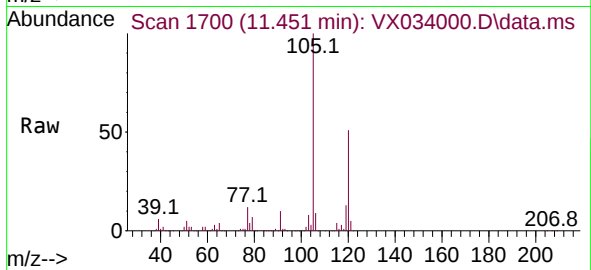
VSTD050616

Tgt Ion:105 Resp: 321551

Ion Ratio Lower Upper

105 100

120 51.0 41.3 61.9



#63

1,2,4-Trimethylbenzene

Concen: 55.290 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX034000.D

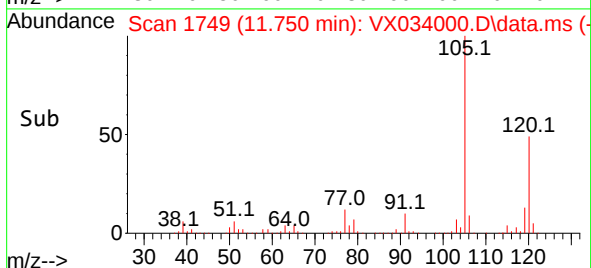
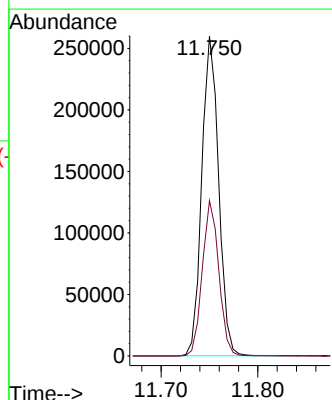
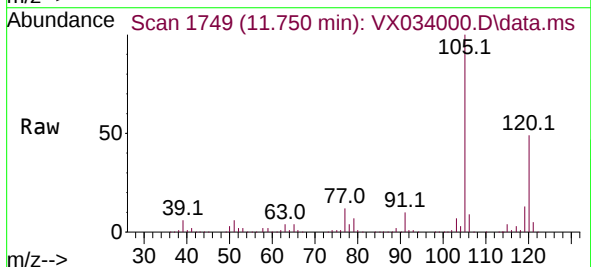
Acq: 03 Feb 2023 08:57

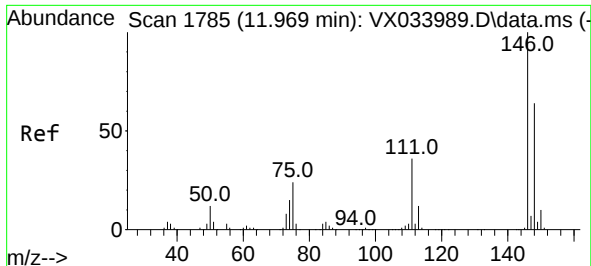
Tgt Ion:105 Resp: 315362

Ion Ratio Lower Upper

105 100

120 47.5 38.5 57.7

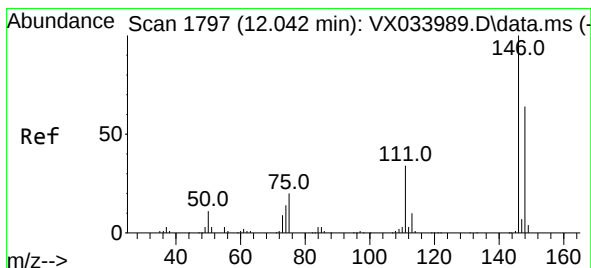
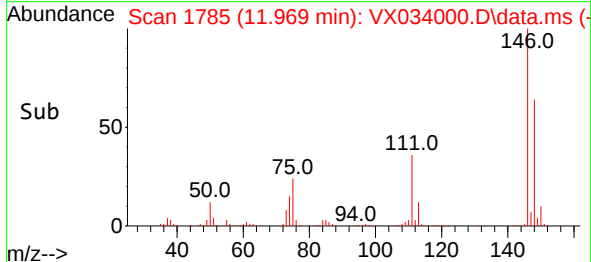
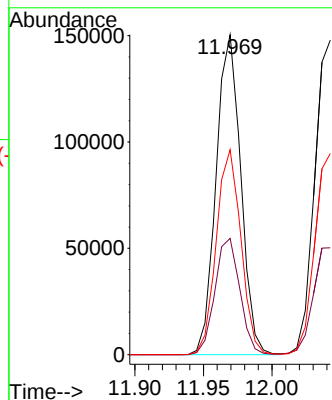
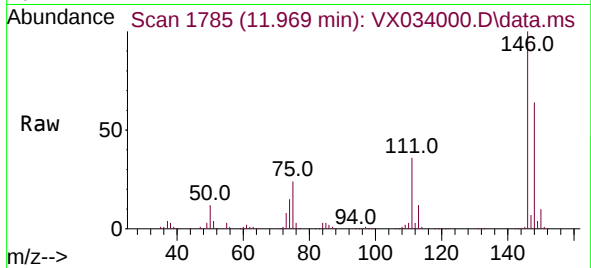




#64
1,3-Dichlorobenzene
Concen: 53.608 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

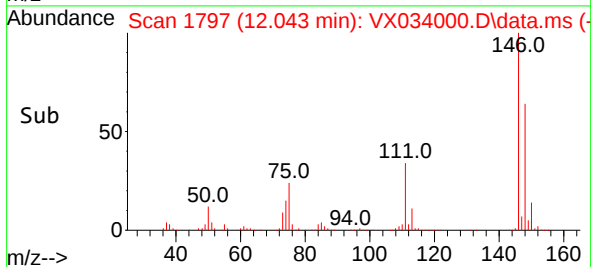
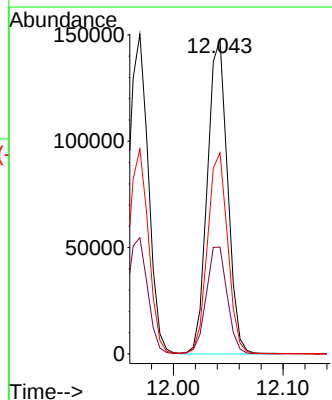
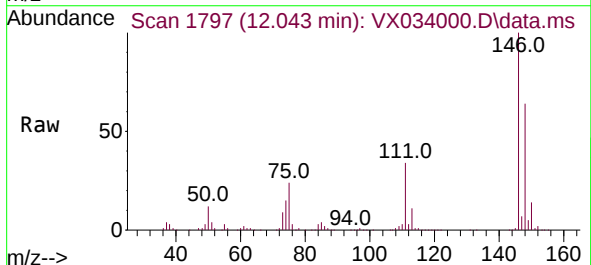
Instrument :
MSVOA_X
ClientSampleId :
VSTD050616

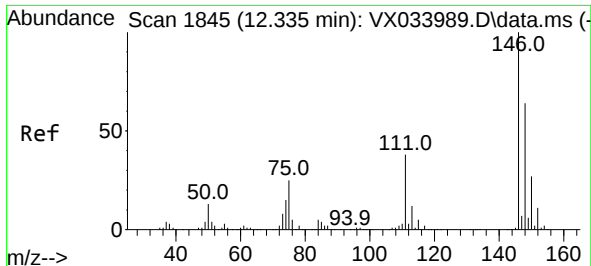
Tgt Ion:146 Resp: 188453
Ion Ratio Lower Upper
146 100
111 36.4 25.5 47.3
148 64.1 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 53.259 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

Tgt Ion:146 Resp: 189485
Ion Ratio Lower Upper
146 100
111 34.0 23.7 44.1
148 64.0 45.0 83.6

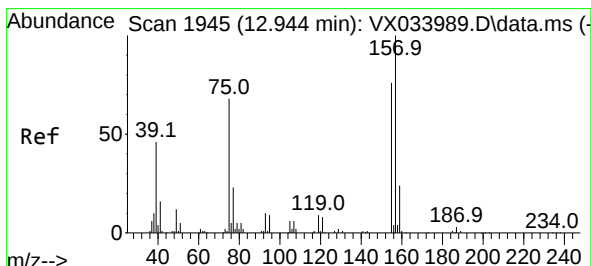
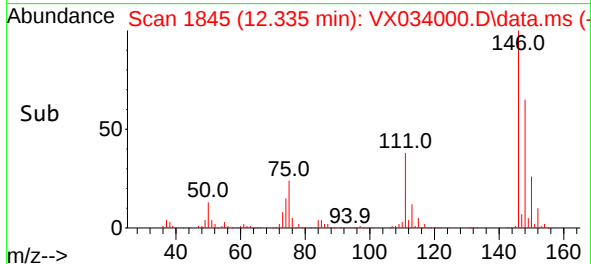
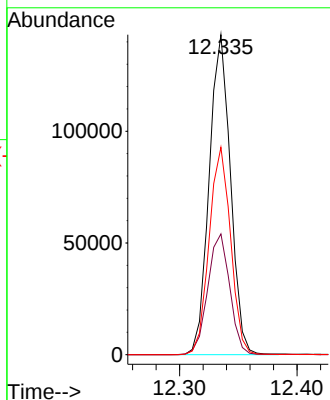
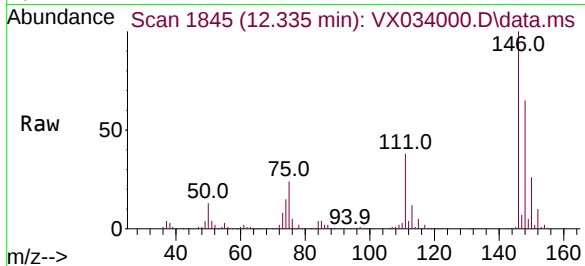




#67
1,2-Dichlorobenzene
Concen: 52.443 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

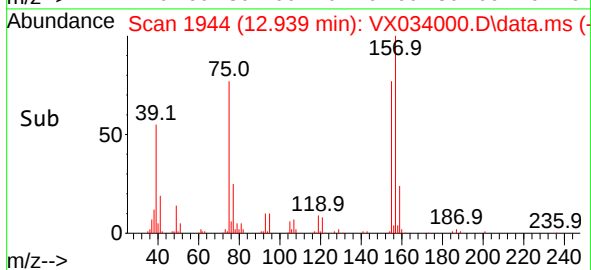
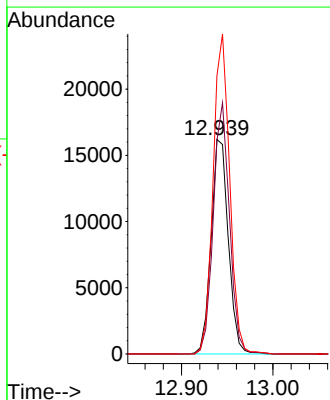
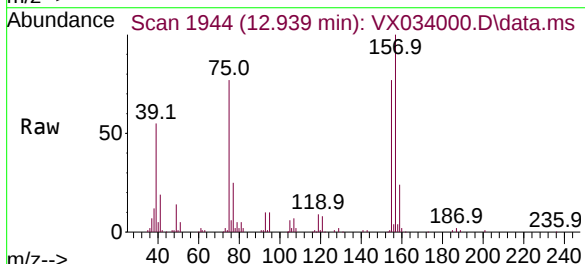
Instrument :
MSVOA_X
ClientSampleId :
VSTD050616

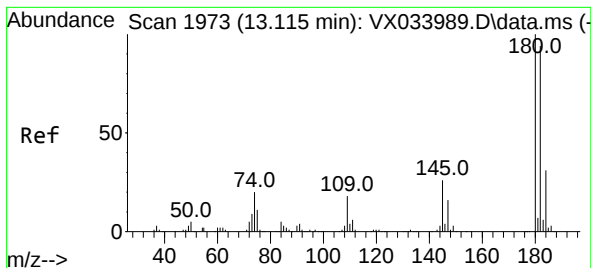
Tgt Ion:146 Resp: 180270
Ion Ratio Lower Upper
146 100
111 37.8 30.4 45.6
148 64.8 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 52.706 ug/L
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX034000.D
Acq: 03 Feb 2023 08:57

Tgt Ion: 75 Resp: 21214
Ion Ratio Lower Upper
75 100
155 99.4 89.0 133.6
157 129.6 116.9 175.3





#69

1,3,5-Trichlorobenzene

Concen: 54.862 ug/L

RT: 13.109 min Scan# 1973

Delta R.T. -0.006 min

Lab File: VX034000.D

Acq: 03 Feb 2023 08:57

Instrument :

MSVOA_X

ClientSampleId :

VSTD050616

Tgt Ion:180 Resp: 145447

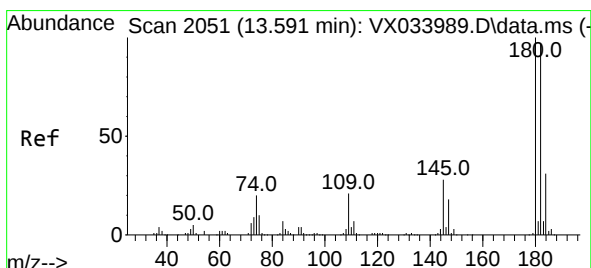
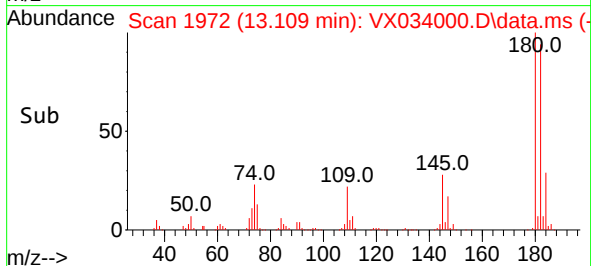
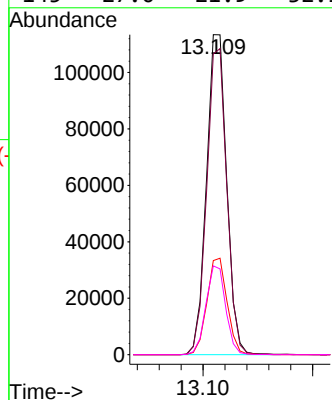
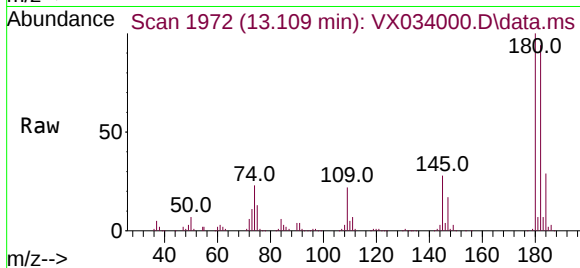
Ion Ratio Lower Upper

180 100

182 94.7 77.3 115.9

184 30.1 24.5 36.7

145 27.0 21.9 32.9



#70

1,2,4-trichlorobenzene

Concen: 55.485 ug/L

RT: 13.585 min Scan# 2050

Delta R.T. -0.006 min

Lab File: VX034000.D

Acq: 03 Feb 2023 08:57

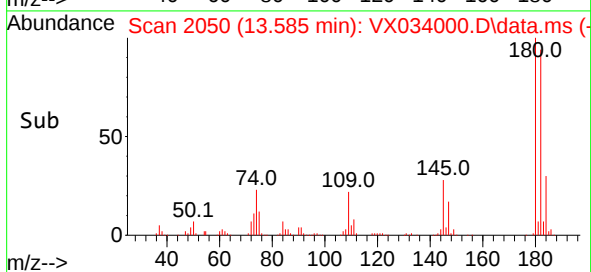
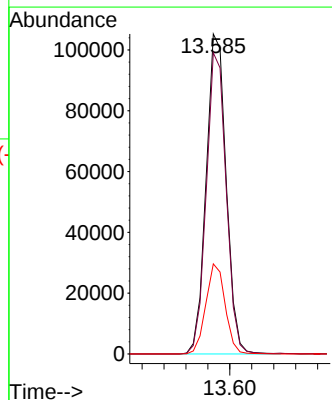
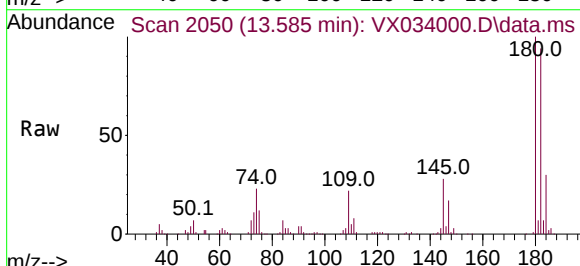
Tgt Ion:180 Resp: 133535

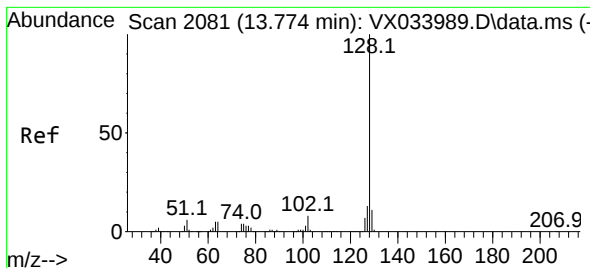
Ion Ratio Lower Upper

180 100

182 93.3 76.5 114.7

145 27.2 22.3 33.5





#71

Naphthalene

Concen: 54.675 ug/L

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX034000.D

Acq: 03 Feb 2023 08:57

Instrument :

MSVOA_X

ClientSampleId :

VSTD050616

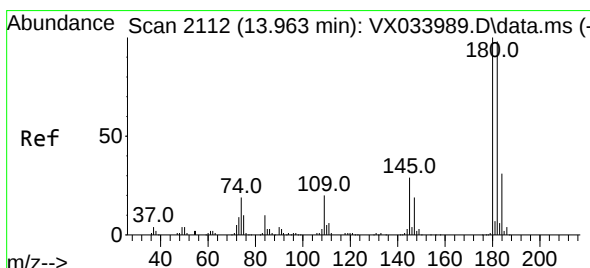
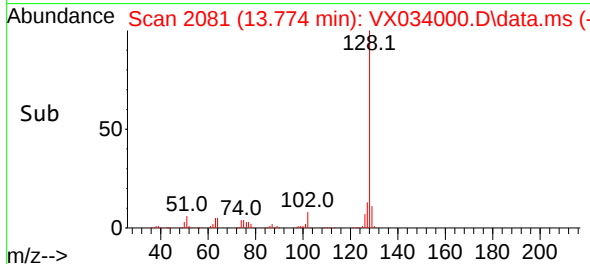
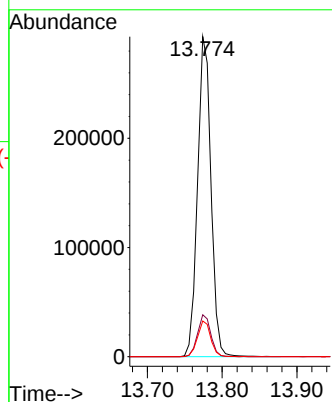
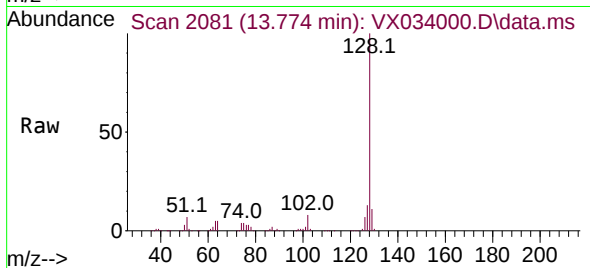
Tgt Ion:128 Resp: 364296

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 11.0 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 54.346 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX034000.D

Acq: 03 Feb 2023 08:57

Tgt Ion:180 Resp: 129118

Ion Ratio Lower Upper

180 100

182 96.3 77.1 115.7

145 30.0 23.5 35.3

