

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020823\
 Data File : VX034053.D
 Acq On : 07 Feb 2023 10:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050620

Quant Time: Feb 07 20:39:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML020223WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 07 03:27:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	202076	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	177728	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	102768	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	44377	32.974	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.940%
7) Chloroethane-d5	1.666	69	33916	41.512	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.020%
11) 1,1-Dichloroethene-d2	2.307	63	98760	40.049	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.100%
21) 2-Butanone-d5	4.440	46	71054	92.087	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.090%
24) Chloroform-d	5.050	84	106212	43.997	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.000%
26) 1,2-Dichloroethane-d4	5.946	65	65174	44.745	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.500%
32) Benzene-d6	5.964	84	206740	40.580	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.160%
36) 1,2-Dichloropropane-d6	7.300	67	63163	41.936	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.880%
41) Toluene-d8	8.647	98	192745	39.882	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.760%#
43) trans-1,3-Dichloroprop...	8.946	79	29828	43.639	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.280%
47) 2-Hexanone-d5	9.378	63	52603	93.131	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.130%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	88020	46.604	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.200%
66) 1,2-Dichlorobenzene-d4	12.317	152	90231	43.866	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.740%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	70845	47.124	ug/L	100
3) Chloromethane	1.295	50	56346	41.061	ug/L	97
5) Vinyl chloride	1.374	62	56993	41.073	ug/L	99
6) Bromomethane	1.612	94	33080	45.973	ug/L	99
8) Chloroethane	1.691	64	31863	43.195	ug/L	98
9) Trichlorofluoromethane	1.892	101	93773	47.679	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	65444	48.118	ug/L	97
12) 1,1-Dichloroethene	2.319	96	57487	46.205	ug/L	96
13) Acetone	2.374	43	73994	93.212	ug/L	99
14) Carbon disulfide	2.514	76	151526	44.997	ug/L	100
15) Methyl Acetate	2.697	43	54652	43.214	ug/L	99
16) Methylene chloride	2.788	84	61090	46.367	ug/L	98
17) trans-1,2-Dichloroethene	3.087	96	59586	46.394	ug/L	94
18) Methyl tert-butyl Ether	3.105	73	176573	47.218	ug/L	99
19) 1,1-Dichloroethane	3.605	63	105753	47.180	ug/L	99
20) cis-1,2-Dichloroethene	4.483	96	69072	47.060	ug/L	99
22) 2-Butanone	4.544	43	88906	90.141	ug/L	100
23) Bromochloromethane	4.891	128	37846	46.971	ug/L	98
25) Chloroform	5.087	83	112068	48.416	ug/L	98

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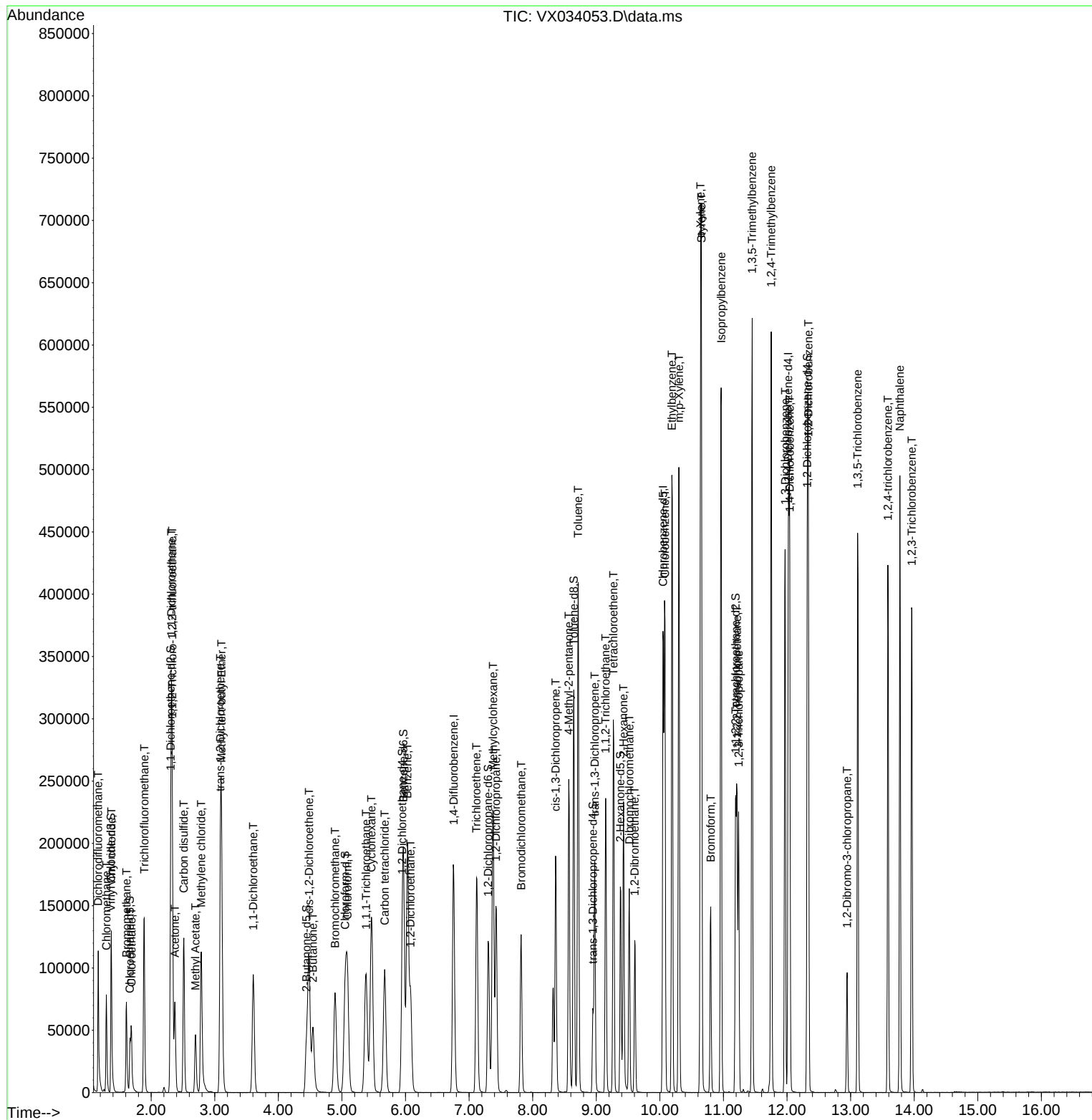
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.080	62	84675	47.663	ug/L	99
29) Cyclohexane	5.465	56	98657	45.385	ug/L	98
30) 1,1,1-Trichloroethane	5.379	97	96088	47.833	ug/L	99
31) Carbon tetrachloride	5.672	117	90985	48.683	ug/L	100
33) Benzene	6.031	78	241234	45.645	ug/L	100
34) Trichloroethene	7.117	95	66506	46.432	ug/L	98
35) Methylcyclohexane	7.379	83	109991	48.159	ug/L	98
37) 1,2-Dichloropropane	7.421	63	61189	45.457	ug/L	99
38) Bromodichloromethane	7.818	83	81435	47.579	ug/L	98
39) cis-1,3-Dichloropropene	8.360	75	98517	47.684	ug/L	99
40) 4-Methyl-2-pentanone	8.568	43	146923	88.695	ug/L	98
42) Toluene	8.714	91	263855	46.672	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	88567	48.174	ug/L	100
45) 1,1,2-Trichloroethane	9.147	97	64663	47.456	ug/L	99
46) Tetrachloroethene	9.269	164	65585	47.692	ug/L	97
48) 2-Hexanone	9.427	43	118859	90.038	ug/L	99
49) Dibromochloromethane	9.519	129	72199	49.109	ug/L	95
50) 1,2-Dibromoethane	9.604	107	69136	47.215	ug/L	97
51) Chlorobenzene	10.080	112	183221	47.971	ug/L	98
52) Ethylbenzene	10.189	91	300007	48.288	ug/L	98
53) m,p-Xylene	10.299	106	119836	48.051	ug/L	97
54) o-Xylene	10.640	106	115051	47.751	ug/L	95
55) Styrene	10.653	104	199515	49.360	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.213	83	90164	47.070	ug/L	99
59) Bromoform	10.799	173	59217	47.348	ug/L	99
60) Isopropylbenzene	10.964	105	313086	46.632	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	68750	44.066	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	264510	48.132	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	260040	48.007	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	154160	46.177	ug/L	99
65) 1,4-Dichlorobenzene	12.043	146	157626	46.652	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	153642	47.065	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.945	75	17152	44.873	ug/L	96
69) 1,3,5-Trichlorobenzene	13.109	180	121816	48.384	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	111420	48.750	ug/L	100
71) Naphthalene	13.774	128	299967	47.407	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	109728	48.633	ug/L	99

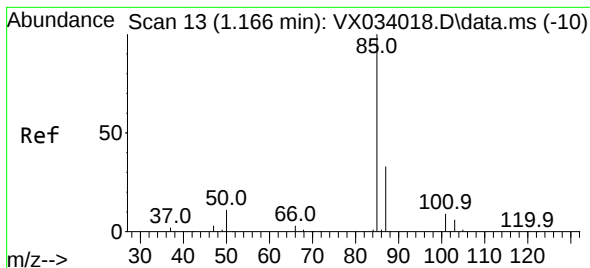
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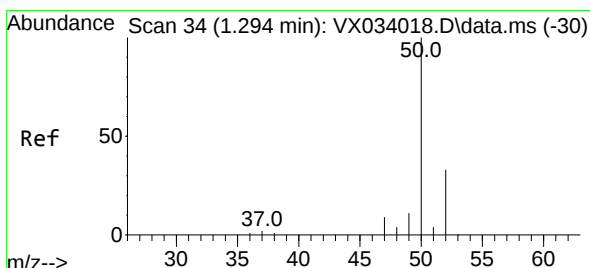
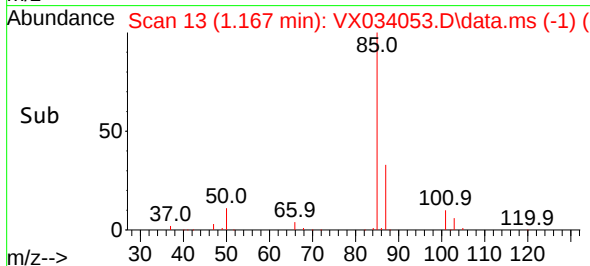
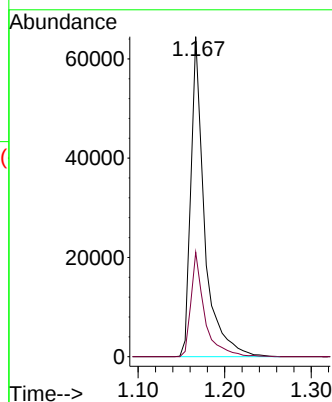
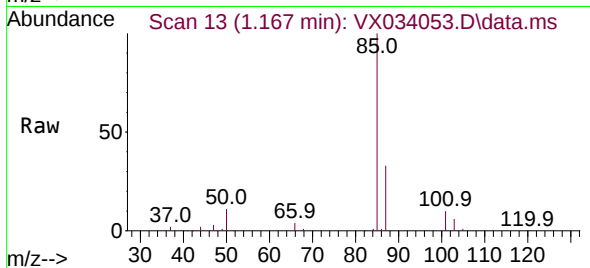




#2
 Dichlorodifluoromethane
 Concen: 47.124 ug/L
 RT: 1.167 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX034053.D
 Acq: 07 Feb 2023 10:18

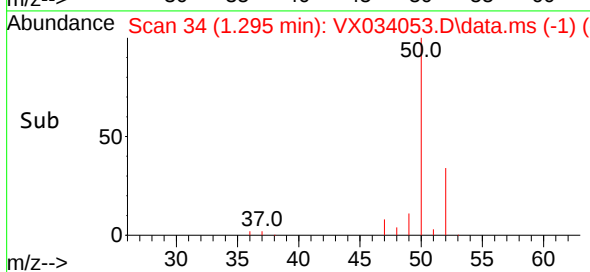
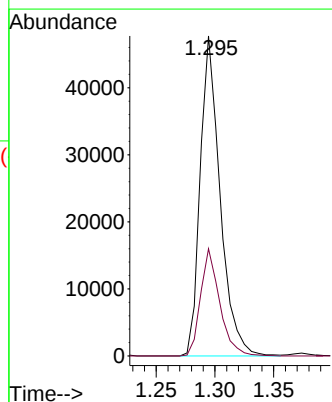
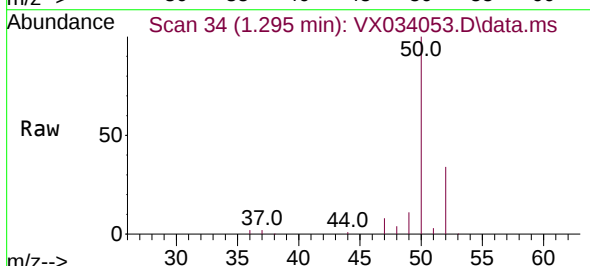
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050620

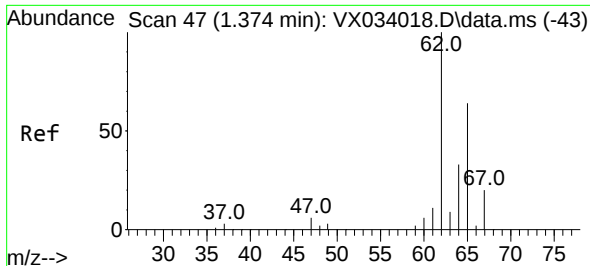
Tgt Ion: 85 Resp: 70845
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.9 38.9



#3
 Chloromethane
 Concen: 41.061 ug/L
 RT: 1.295 min Scan# 34
 Delta R.T. 0.000 min
 Lab File: VX034053.D
 Acq: 07 Feb 2023 10:18

Tgt Ion: 50 Resp: 56346
 Ion Ratio Lower Upper
 50 100
 52 33.5 22.5 41.7

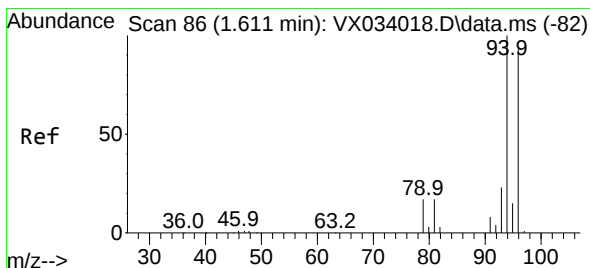
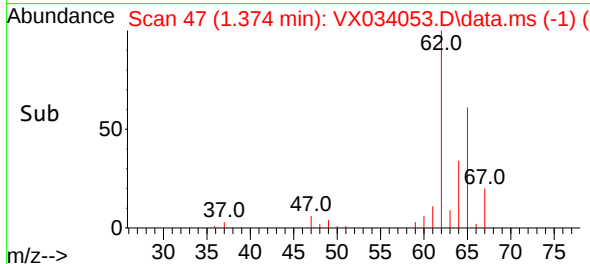
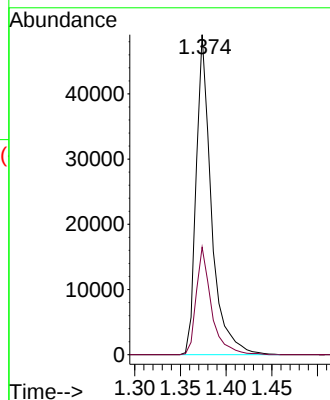
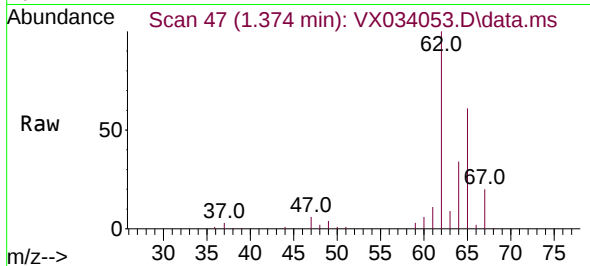




#5
 Vinyl chloride
 Concen: 41.073 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX034053.D
 Acq: 07 Feb 2023 10:18

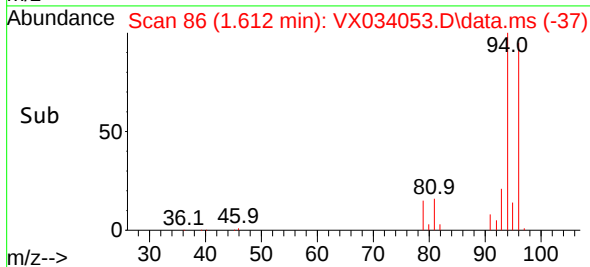
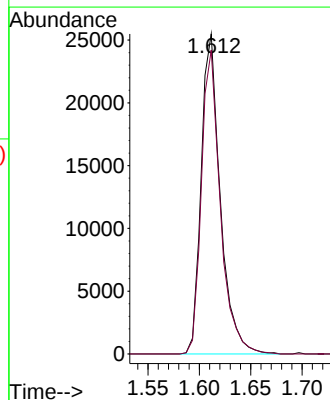
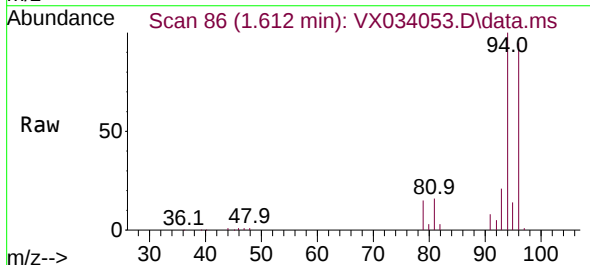
Instrument :
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 ClientSampleId :
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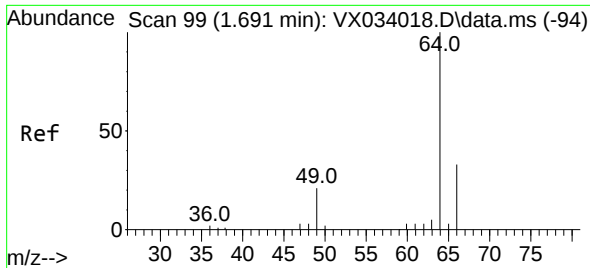
Tgt Ion: 62 Resp: 56993
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.2 43.0



#6
 Bromomethane
 Concen: 45.973 ug/L
 RT: 1.612 min Scan# 86
 Delta R.T. 0.000 min
 Lab File: VX034053.D
 Acq: 07 Feb 2023 10:18

Tgt Ion: 94 Resp: 33080
 Ion Ratio Lower Upper
 94 100
 96 95.0 65.7 122.1

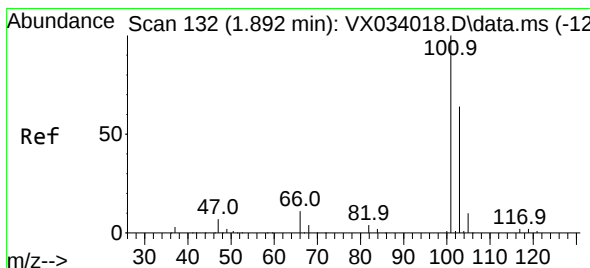
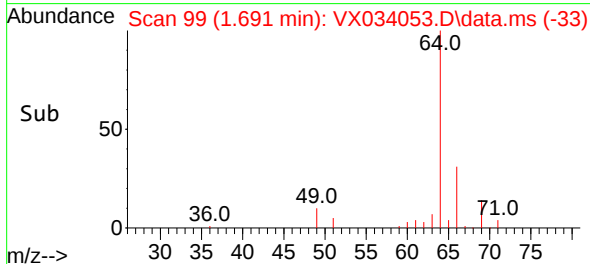
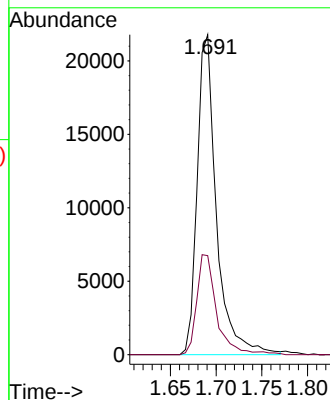
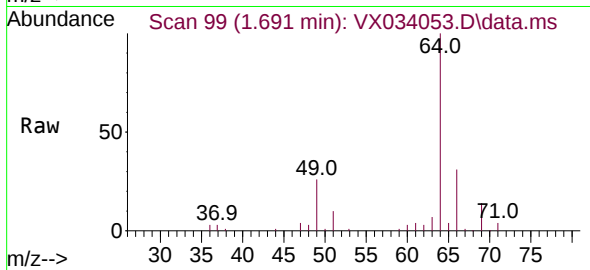




#8
Chloroethane
Concen: 43.195 ug/L
RT: 1.691 min Scan# 99
Delta R.T. 0.000 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

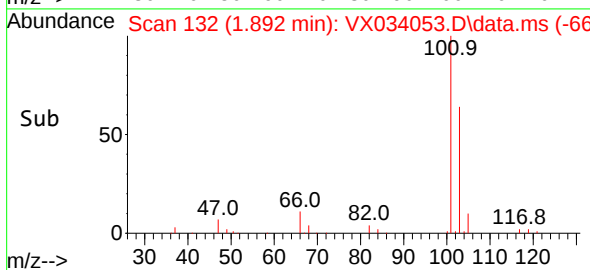
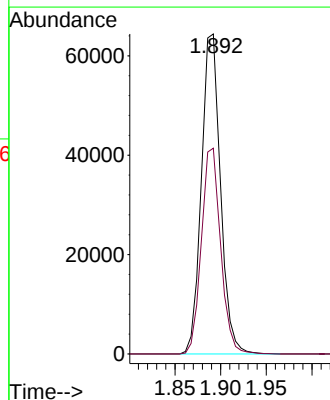
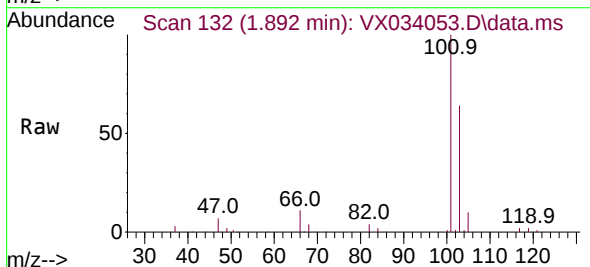
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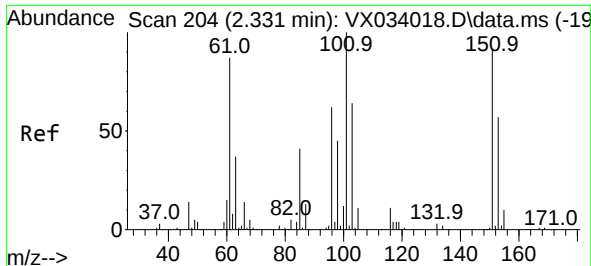
Tgt Ion: 64 Resp: 31863
Ion Ratio Lower Upper
64 100
66 30.9 22.5 41.9



#9
Trichlorofluoromethane
Concen: 47.679 ug/L
RT: 1.892 min Scan# 132
Delta R.T. 0.000 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

Tgt Ion: 101 Resp: 93773
Ion Ratio Lower Upper
101 100
103 64.7 52.6 78.8





#10

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

Concen: 48.118 ug/L

RT: 2.331 min Scan# 204

Delta R.T. 0.000 min

Lab File: VX034053.D

Acq: 07 Feb 2023 10:18

Instrument :

MSVOA_X

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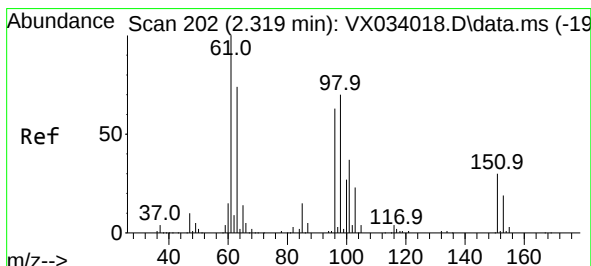
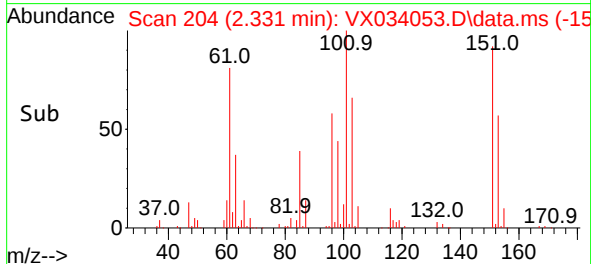
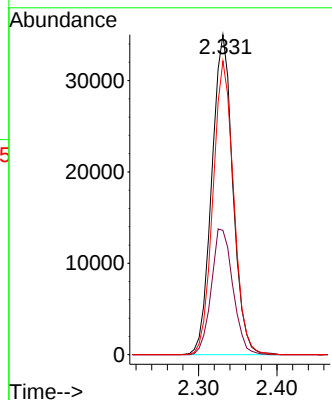
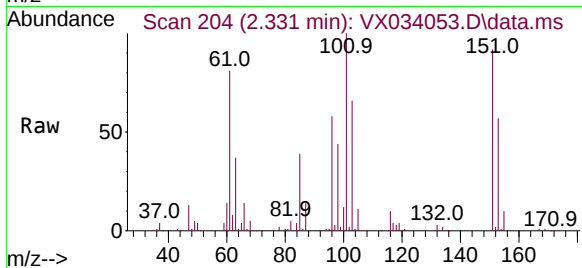
Tgt Ion:101 Resp: 65444

Ion Ratio Lower Upper

101 100

85 40.2 32.2 48.4

151 90.2 69.3 103.9



#12

1,1-Dichloroethene

Concen: 46.205 ug/L

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX034053.D

Acq: 07 Feb 2023 10:18

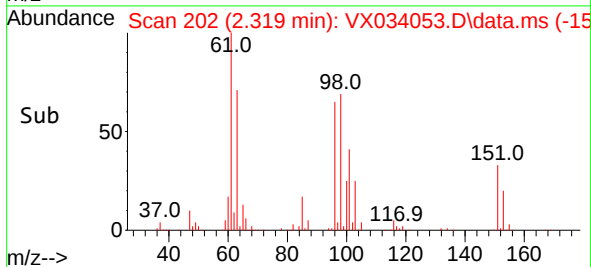
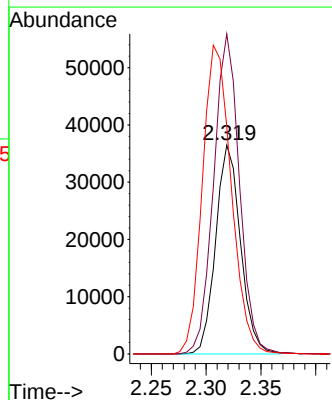
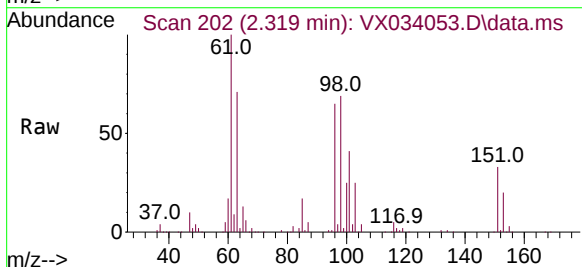
Tgt Ion: 96 Resp: 57487

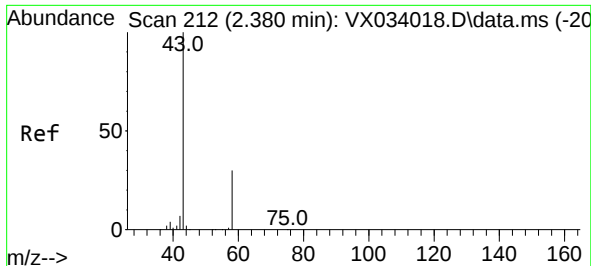
Ion Ratio Lower Upper

96 100

61 153.3 107.6 199.8

63 109.0 69.6 129.2





#13

Acetone

Concen: 93.212 ug/L

RT: 2.374 min Scan# 211

Delta R.T. -0.006 min

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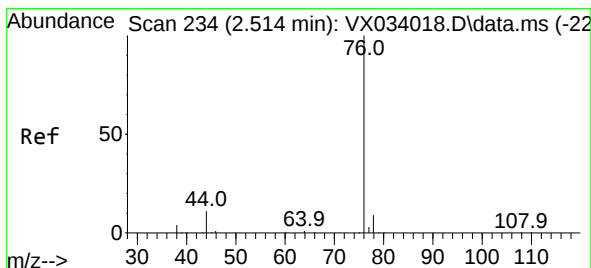
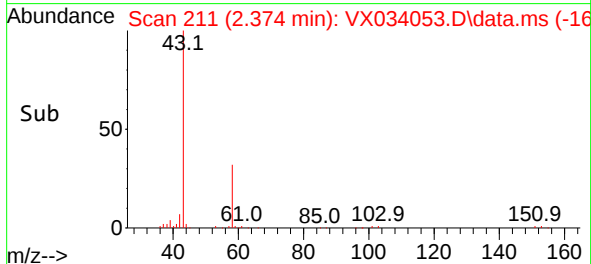
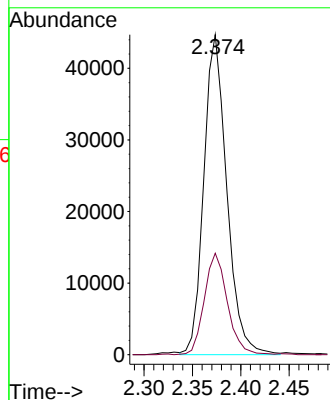
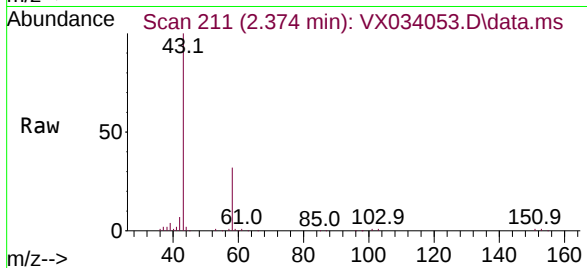
VSTD050620

Tgt Ion: 43 Resp: 73994

Ion Ratio Lower Upper

43 100

58 31.7 0.0 62.8



#14

Carbon disulfide

Concen: 44.997 ug/L

RT: 2.514 min Scan# 234

Delta R.T. 0.000 min

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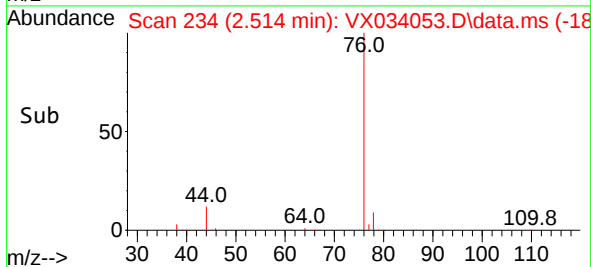
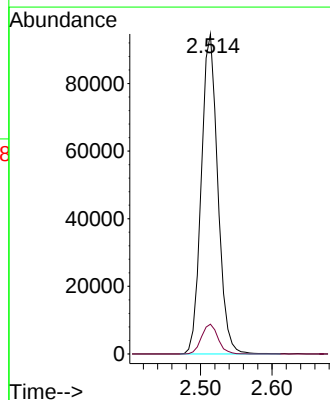
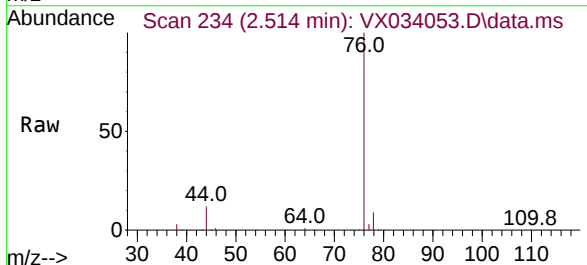
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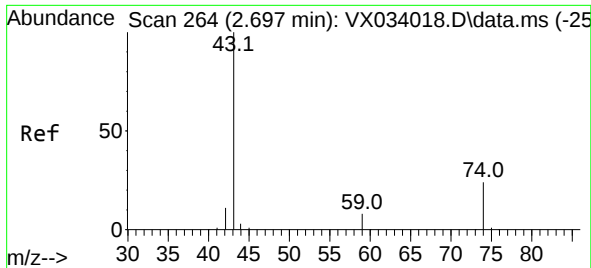
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Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

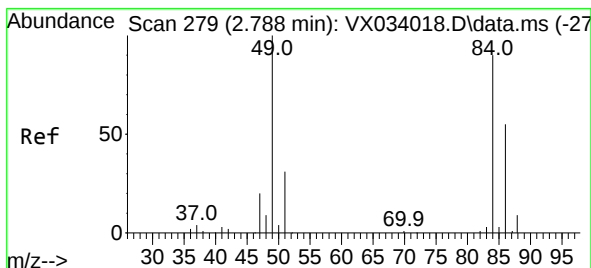
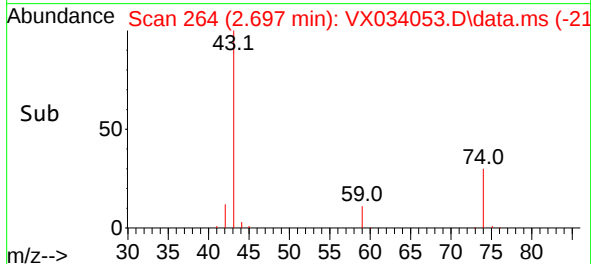
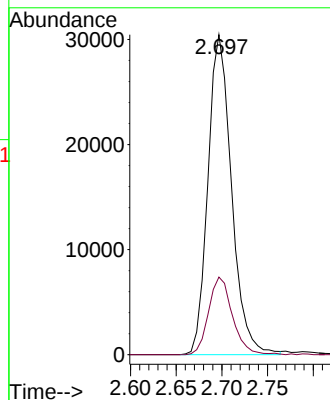
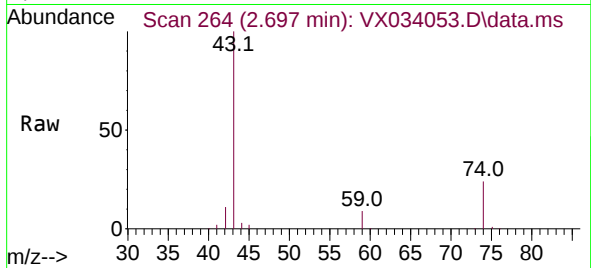




#15
Methyl Acetate
Concen: 43.214 ug/L
RT: 2.697 min Scan# 264
Delta R.T. 0.000 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

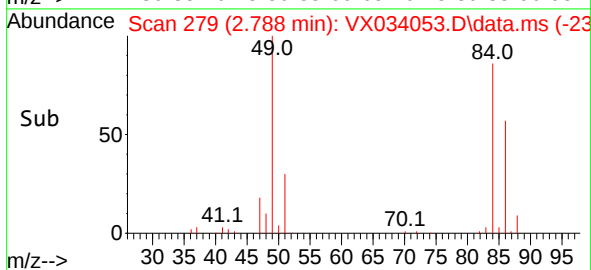
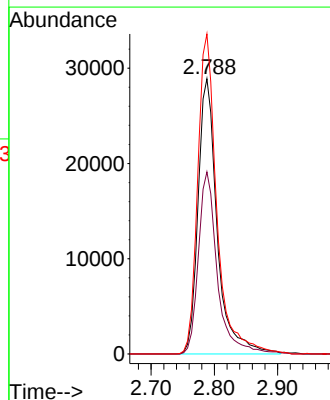
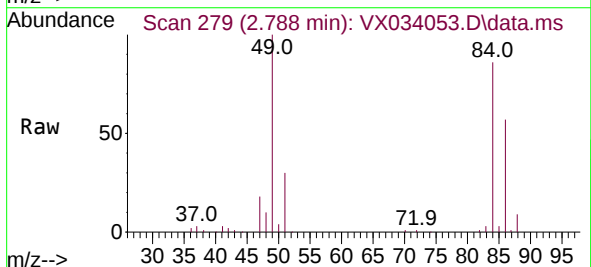
Instrument :
MSVOA_X
ClientSampleId :
VSTD050620

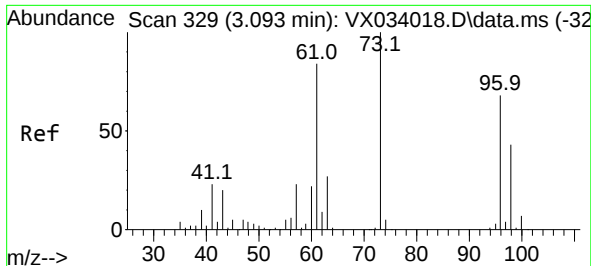
Tgt Ion: 43 Resp: 54652
Ion Ratio Lower Upper
43 100
74 24.3 19.7 29.5



#16
Methylene chloride
Concen: 46.367 ug/L
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

Tgt Ion: 84 Resp: 61090
Ion Ratio Lower Upper
84 100
86 66.1 45.2 84.0
49 116.2 82.5 153.1

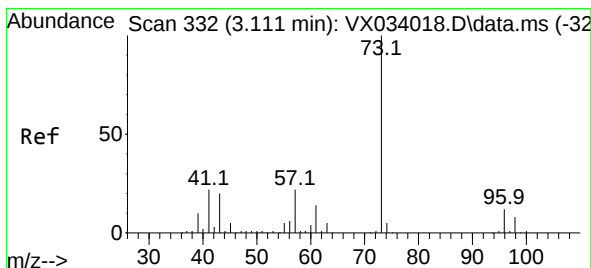
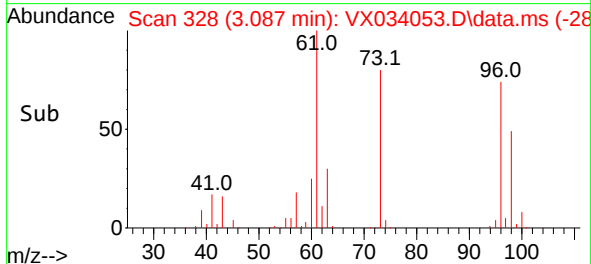
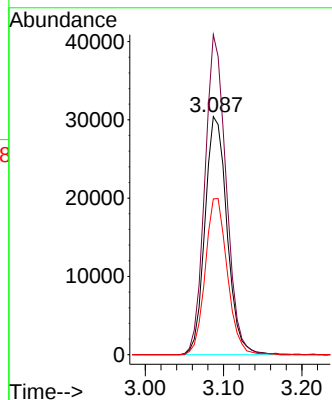
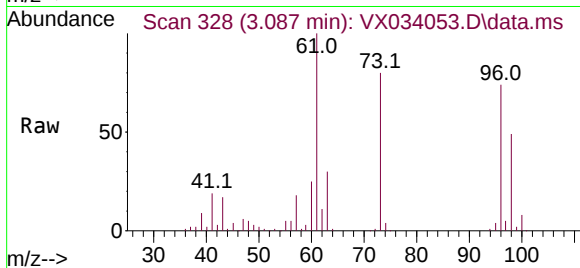




#17
trans-1,2-Dichloroethene
Concen: 46.394 ug/L
RT: 3.087 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

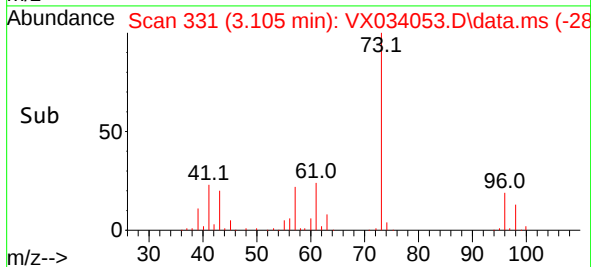
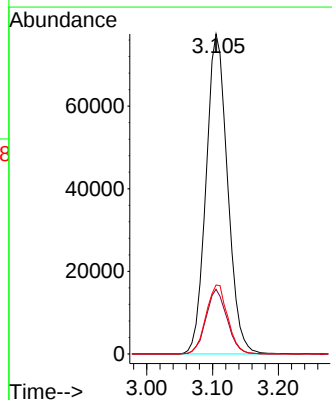
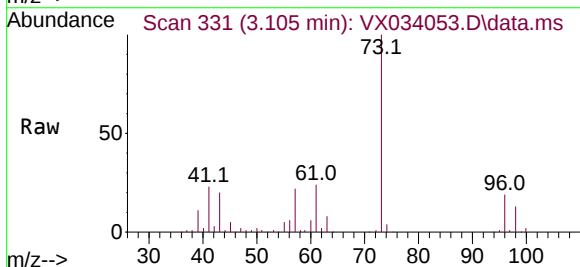
Instrument :
MSVOA_X
ClientSampleId :
VSTD050620

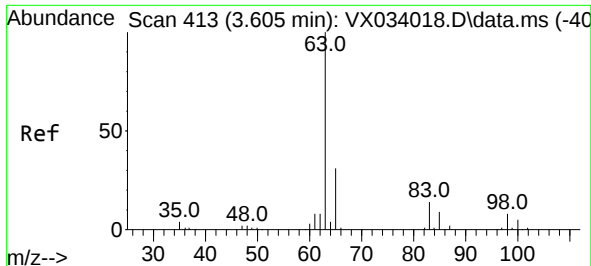
Tgt Ion: 96 Resp: 59586
Ion Ratio Lower Upper
96 100
61 134.4 87.7 162.9
98 65.5 45.4 84.4



#18
Methyl tert-butyl Ether
Concen: 47.218 ug/L
RT: 3.105 min Scan# 331
Delta R.T. -0.006 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

Tgt Ion: 73 Resp: 176573
Ion Ratio Lower Upper
73 100
43 19.8 15.6 23.4
57 21.7 17.5 26.3





#19

1,1-Dichloroethane

Concen: 47.180 ug/L

RT: 3.605 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX034053.D

Acq: 07 Feb 2023 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTD050620

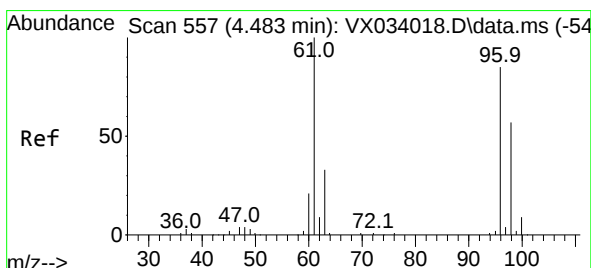
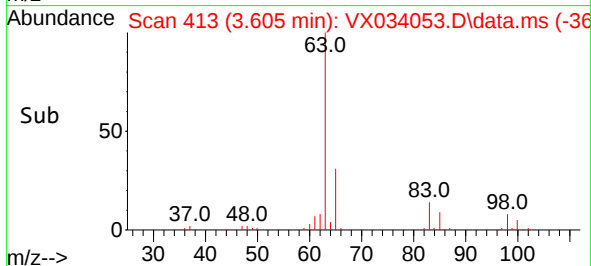
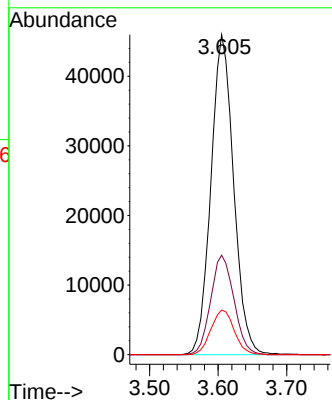
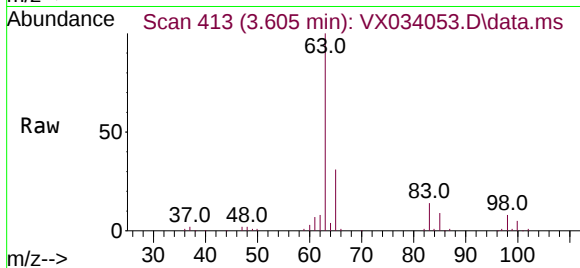
Tgt Ion: 63 Resp: 105753

Ion Ratio Lower Upper

63 100

65 31.1 21.9 40.7

83 14.0 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 47.060 ug/L

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX034053.D

Acq: 07 Feb 2023 10:18

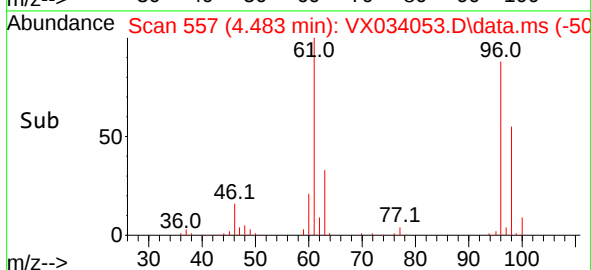
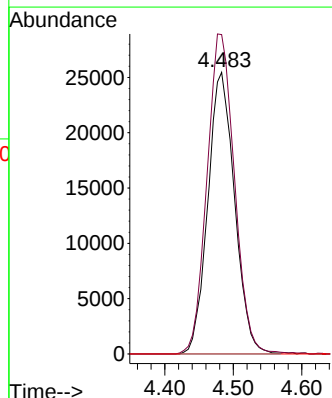
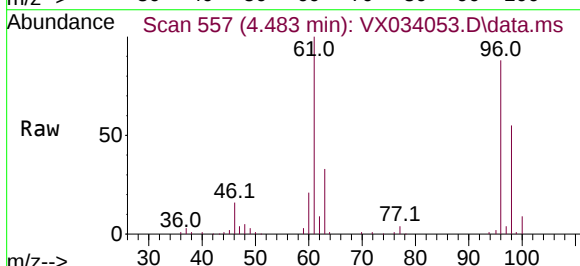
Tgt Ion: 96 Resp: 69072

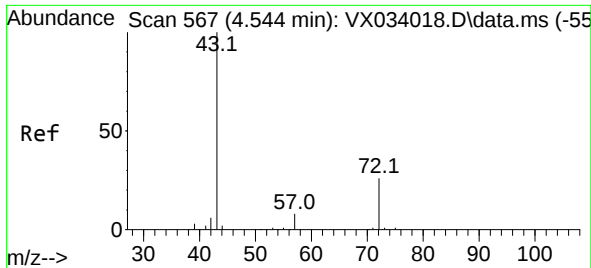
Ion Ratio Lower Upper

96 100

61 113.4 80.3 149.1

68 0.0 0.0 0.0

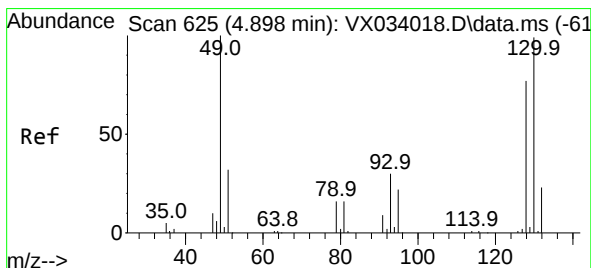
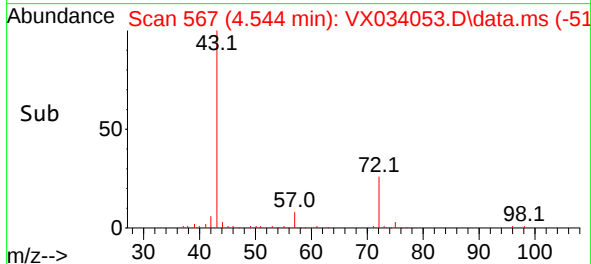
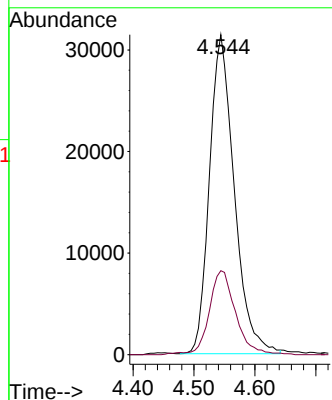
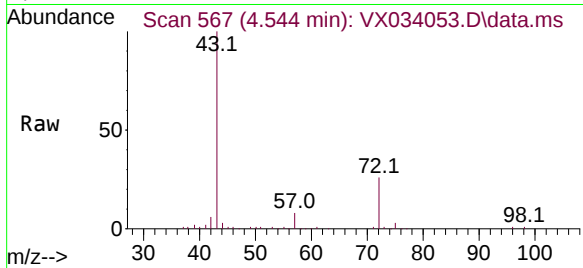




#22
2-Butanone
Concen: 90.141 ug/L
RT: 4.544 min Scan# 567
Delta R.T. 0.000 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

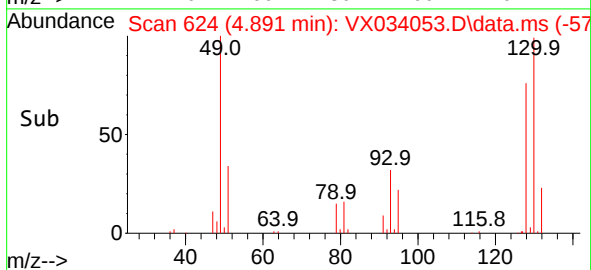
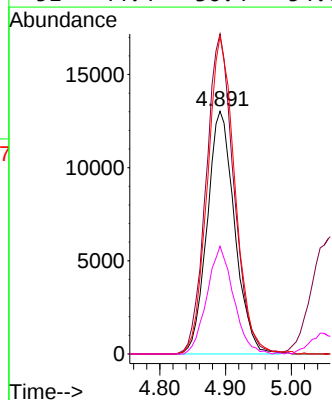
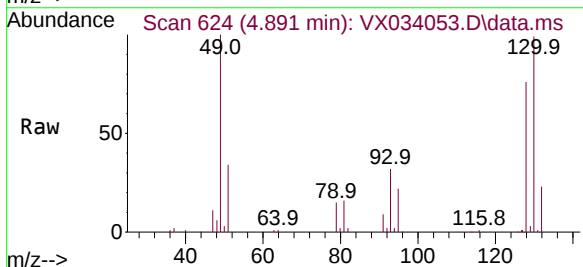
Instrument :
MSVOA_X
ClientSampleId :
VSTD050620

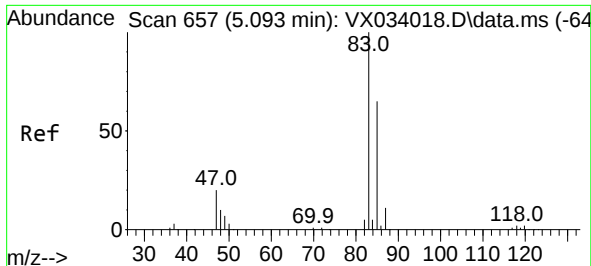
Tgt Ion: 43 Resp: 88906
Ion Ratio Lower Upper
43 100
72 26.5 13.2 39.6



#23
Bromochloromethane
Concen: 46.971 ug/L
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

Tgt Ion:128 Resp: 37846
Ion Ratio Lower Upper
128 100
49 131.9 94.7 175.9
130 131.1 91.3 169.6
51 44.4 36.4 54.6

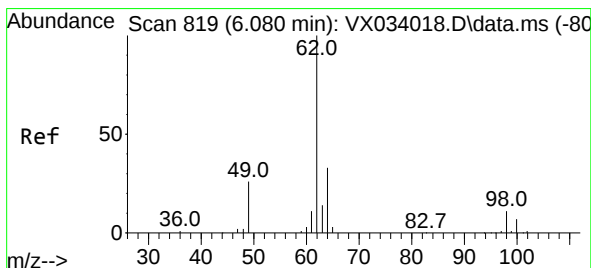
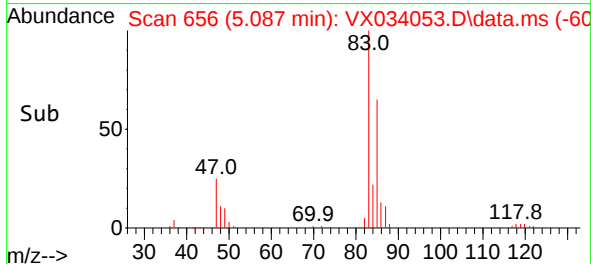
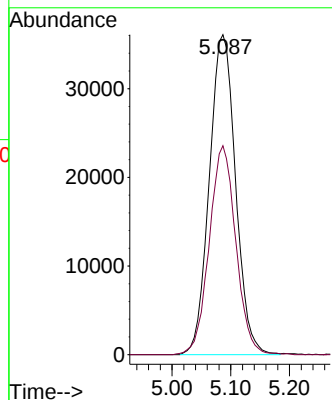
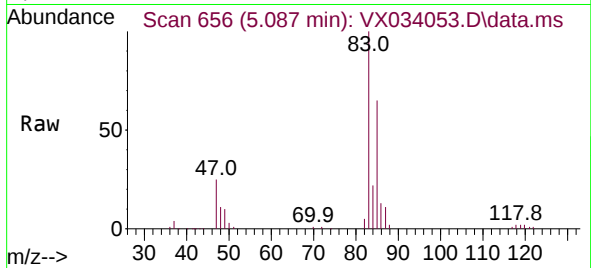




#25
Chloroform
Concen: 48.416 ug/L
RT: 5.087 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

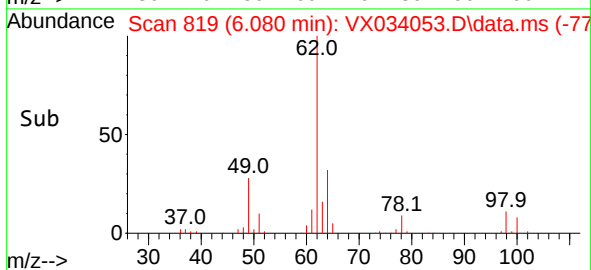
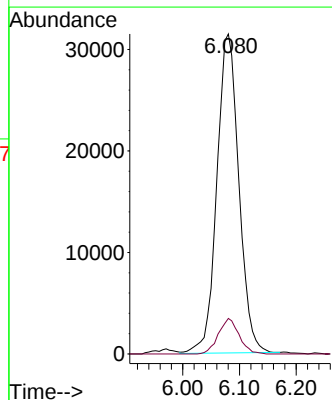
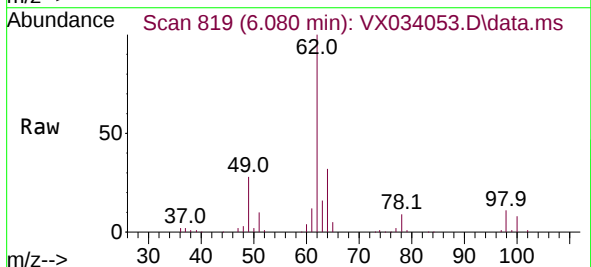
Instrument :
MSVOA_X
ClientSampleId :
VSTD050620

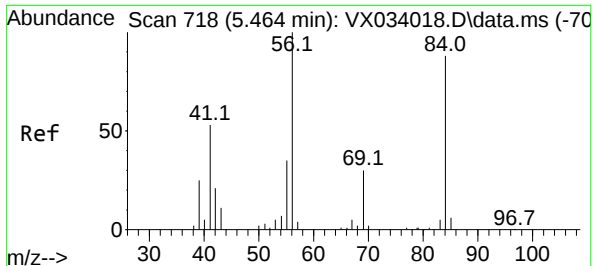
Tgt Ion: 83 Resp: 112068
Ion Ratio Lower Upper
83 100
85 65.3 47.0 87.4



#27
1,2-Dichloroethane
Concen: 47.663 ug/L
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

Tgt Ion: 62 Resp: 84675
Ion Ratio Lower Upper
62 100
98 11.1 9.1 13.7

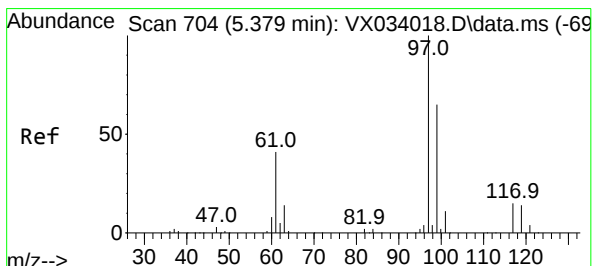
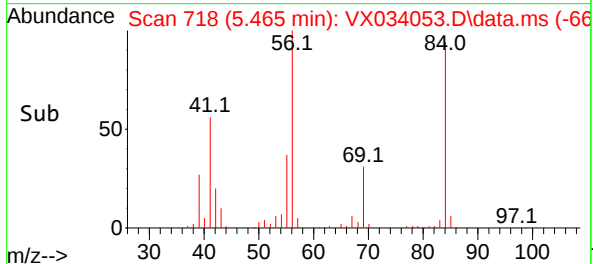
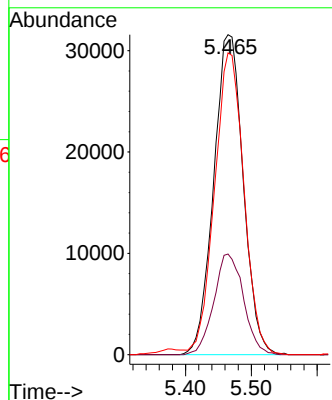
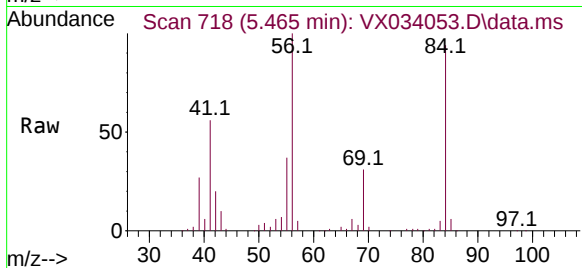




#29
Cyclohexane
Concen: 45.385 ug/L
RT: 5.465 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

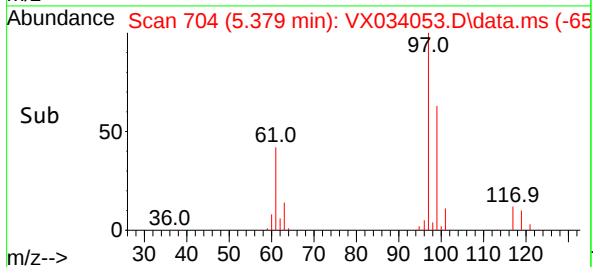
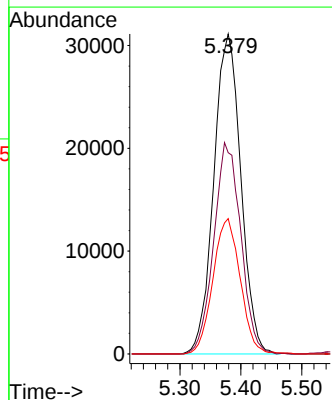
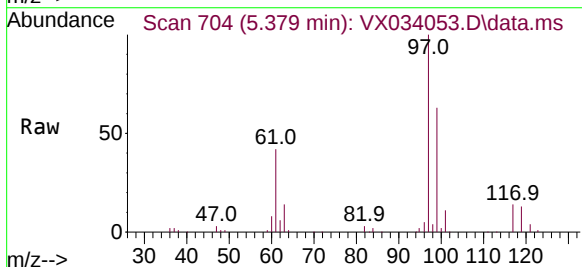
Instrument :
MSVOA_X
ClientSampleId :
VSTD050620

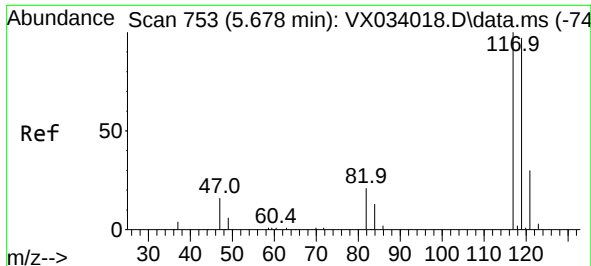
Tgt Ion: 56 Resp: 98657
Ion Ratio Lower Upper
56 100
69 31.5 24.8 37.2
84 93.7 73.2 109.8



#30
1,1,1-Trichloroethane
Concen: 47.833 ug/L
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

Tgt Ion: 97 Resp: 96088
Ion Ratio Lower Upper
97 100
99 65.8 51.8 77.8
61 42.5 34.7 52.1

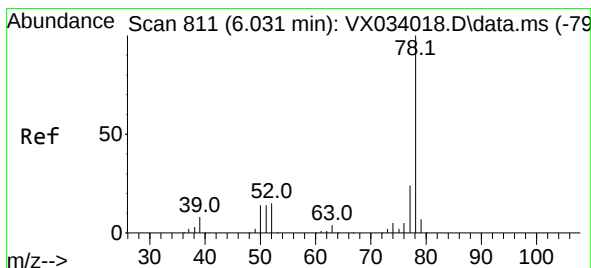
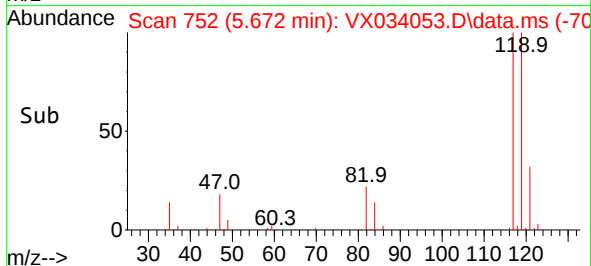
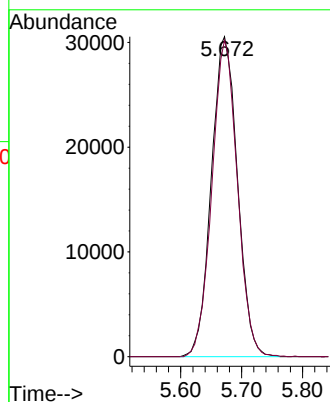
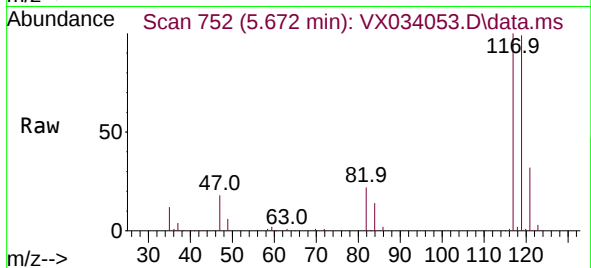




#31
Carbon tetrachloride
Concen: 48.683 ug/L
RT: 5.672 min Scan# 752
Delta R.T. -0.006 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

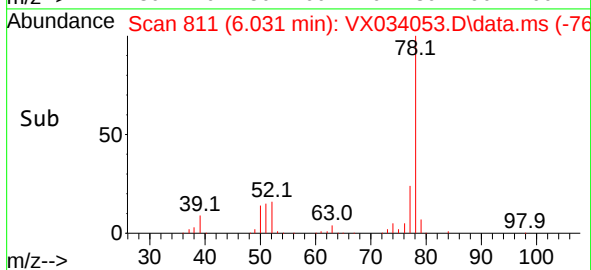
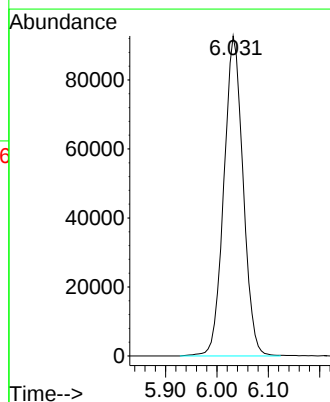
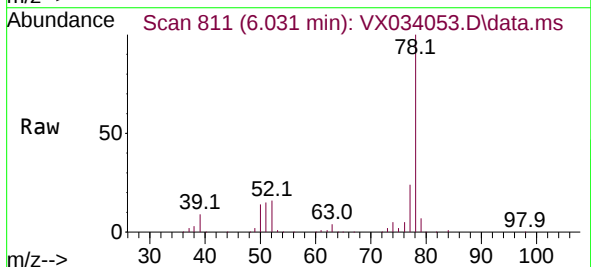
Instrument :
MSVOA_X
ClientSampleId :
VSTD050620

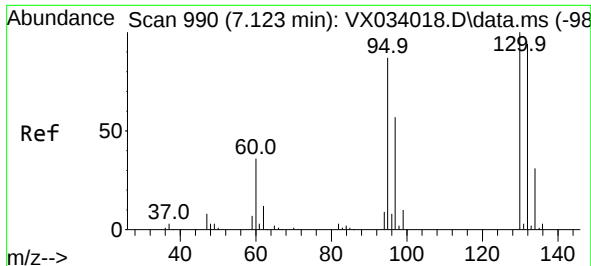
Tgt Ion:117 Resp: 90985
Ion Ratio Lower Upper
117 100
119 96.3 77.1 115.7



#33
Benzene
Concen: 45.645 ug/L
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

Tgt Ion: 78 Resp: 241234

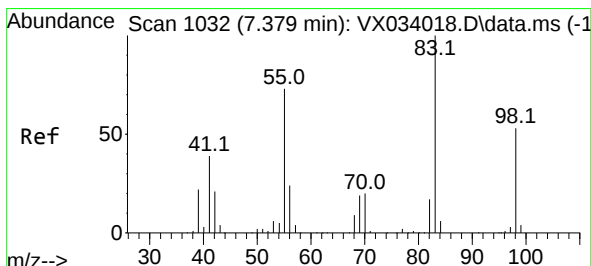
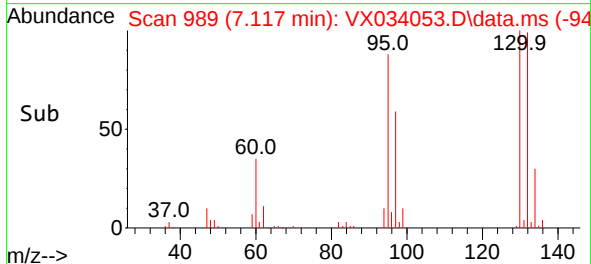
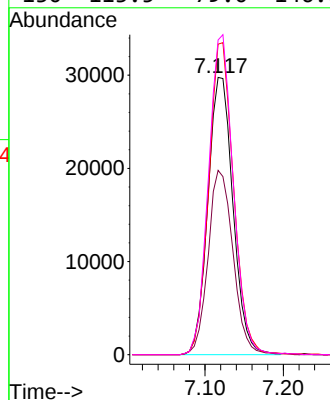
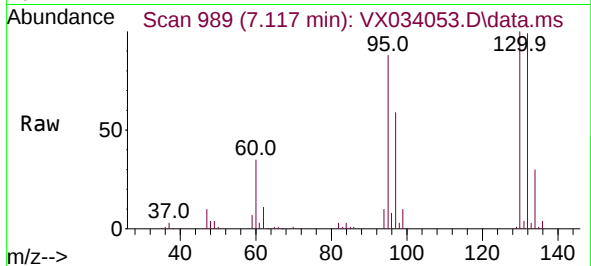




#34
Trichloroethene
Concen: 46.432 ug/L
RT: 7.117 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

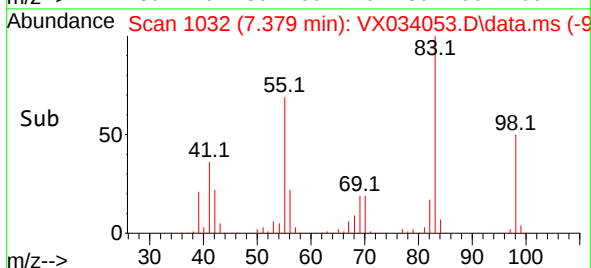
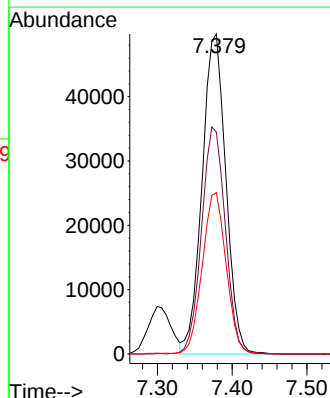
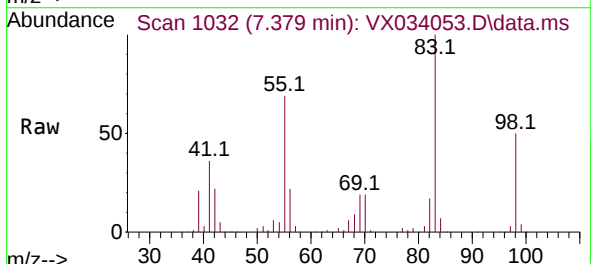
Instrument :
MSVOA_X
ClientSampleId :
VSTD050620

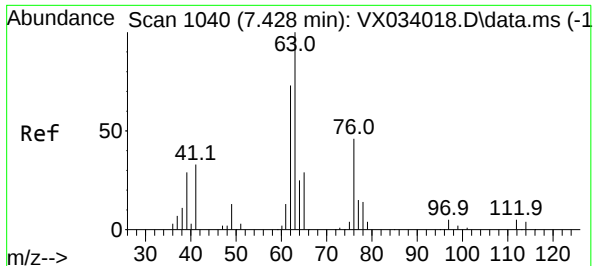
Tgt Ion: 95 Resp: 66506
Ion Ratio Lower Upper
95 100
97 66.5 46.8 87.0
132 112.0 76.2 141.4
130 113.5 79.0 146.6



#35
Methylcyclohexane
Concen: 48.159 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

Tgt Ion: 83 Resp: 109991
Ion Ratio Lower Upper
83 100
55 70.7 59.0 88.4
98 50.8 40.6 60.8





#37

1,2-Dichloropropane

Concen: 45.457 ug/L

RT: 7.421 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX034053.D

Acq: 07 Feb 2023 10:18

Instrument :

MSVOA_X

ClientSampleId :

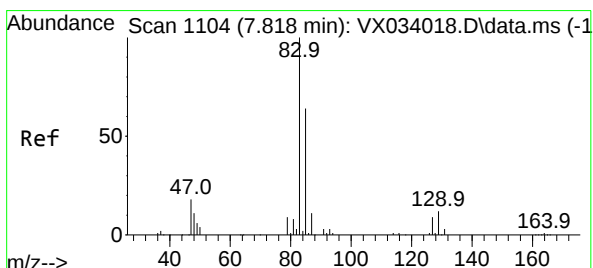
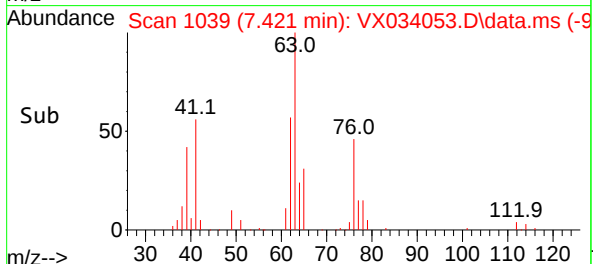
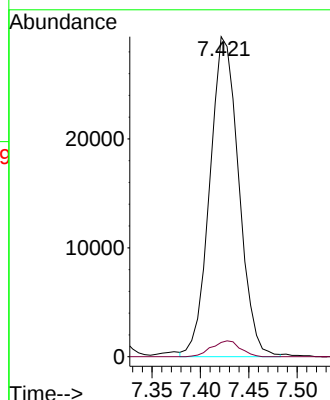
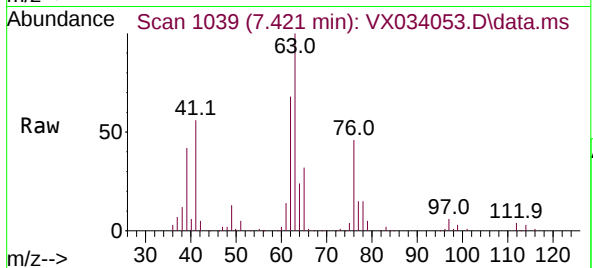
VSTD050620

Tgt Ion: 63 Resp: 61189

Ion Ratio Lower Upper

63 100

112 4.9 4.1 6.1



#38

Bromodichloromethane

Concen: 47.579 ug/L

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX034053.D

Acq: 07 Feb 2023 10:18

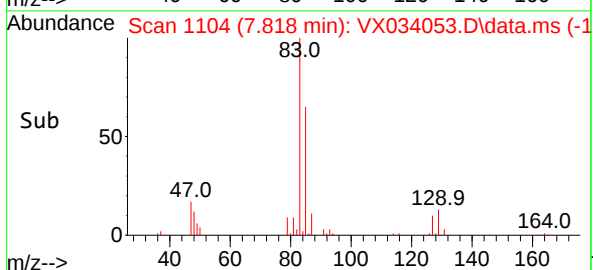
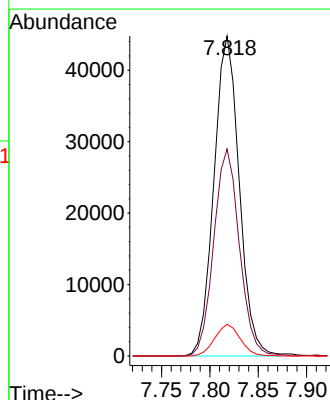
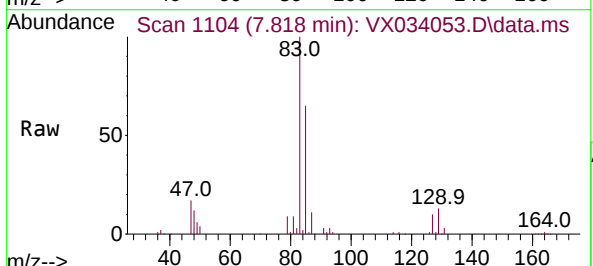
Tgt Ion: 83 Resp: 81435

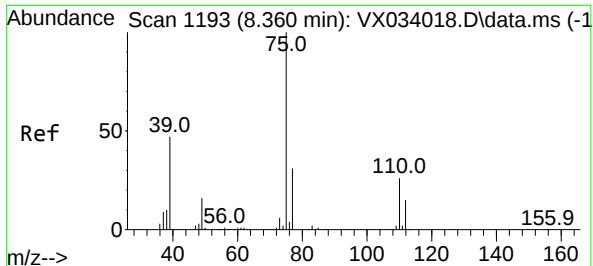
Ion Ratio Lower Upper

83 100

85 64.7 46.3 85.9

127 9.9 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 47.684 ug/L

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX034053.D

Acq: 07 Feb 2023 10:18

Instrument :

MSVOA_X

ClientSampleId :

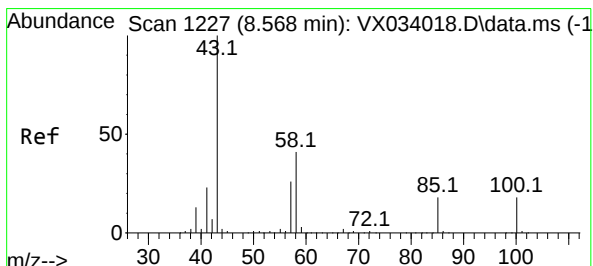
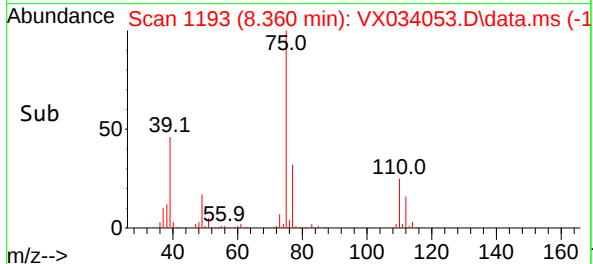
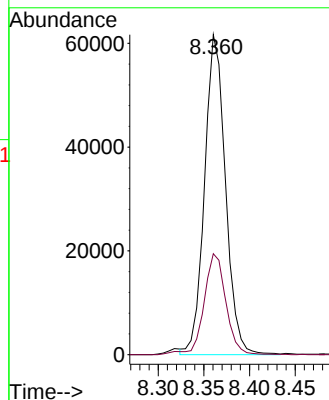
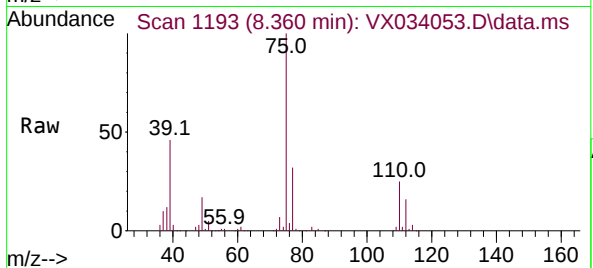
VSTD050620

Tgt Ion: 75 Resp: 98517

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 88.695 ug/L

RT: 8.568 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VX034053.D

Acq: 07 Feb 2023 10:18

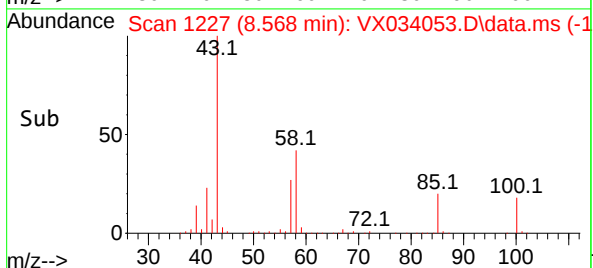
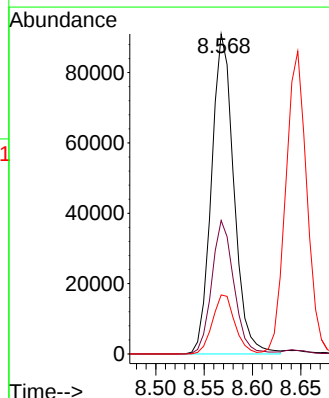
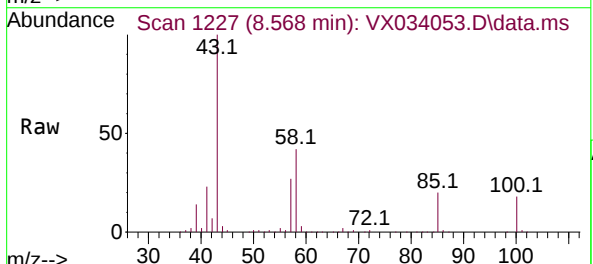
Tgt Ion: 43 Resp: 146923

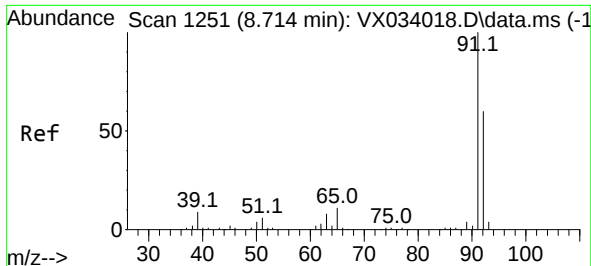
Ion Ratio Lower Upper

43 100

58 41.2 31.9 47.9

100 18.4 14.4 21.6





#42

Toluene

Concen: 46.672 ug/L

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX034053.D

Acq: 07 Feb 2023 10:18

Instrument :

MSVOA_X

ClientSampleId :

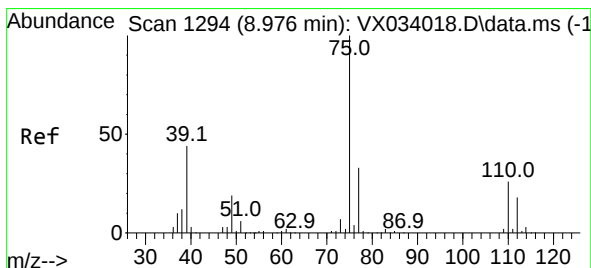
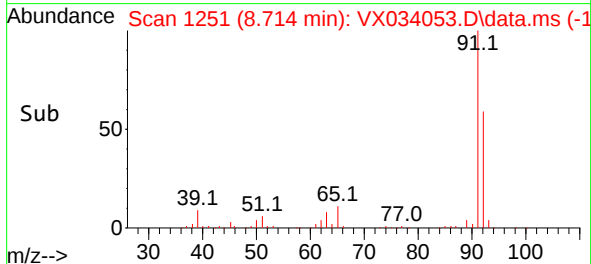
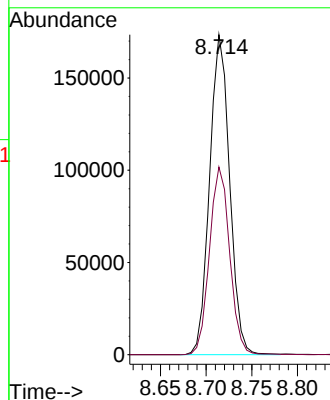
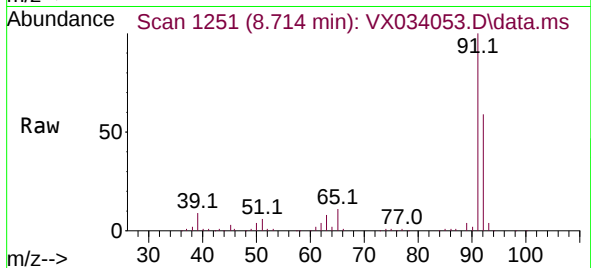
VSTD050620

Tgt Ion: 91 Resp: 263855

Ion Ratio Lower Upper

91 100

92 58.6 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 48.174 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX034053.D

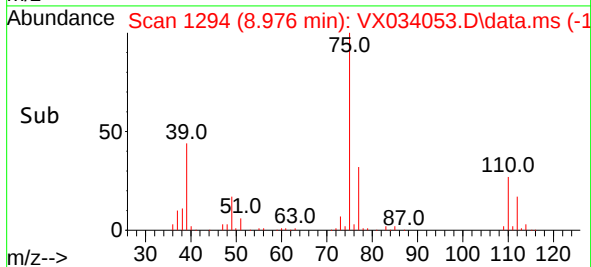
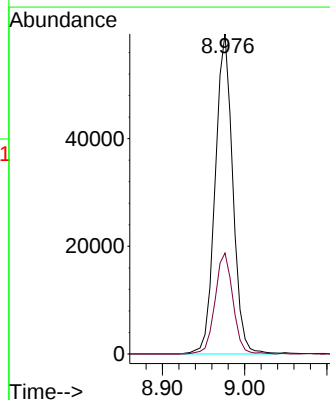
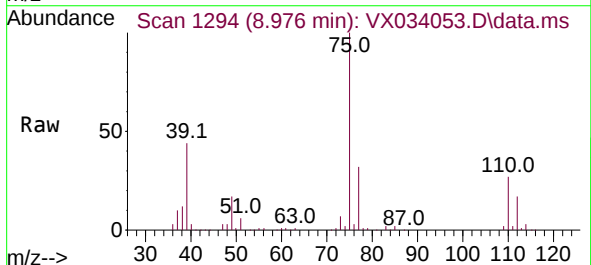
Acq: 07 Feb 2023 10:18

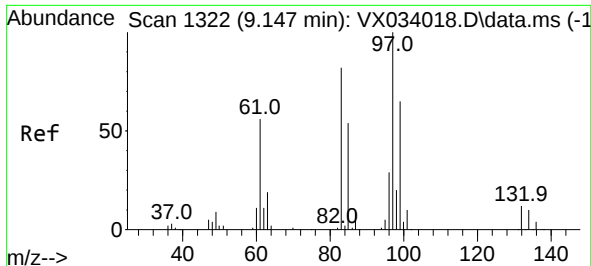
Tgt Ion: 75 Resp: 88567

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 47.456 ug/L

RT: 9.147 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX034053.D

Acq: 07 Feb 2023 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTD050620

Tgt Ion: 97 Resp: 64663

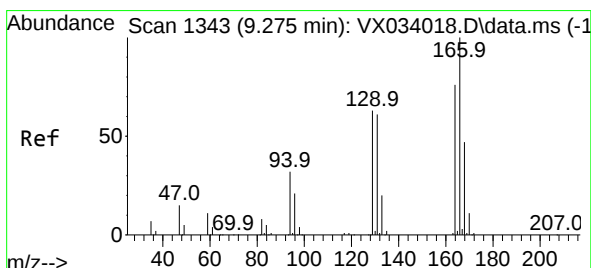
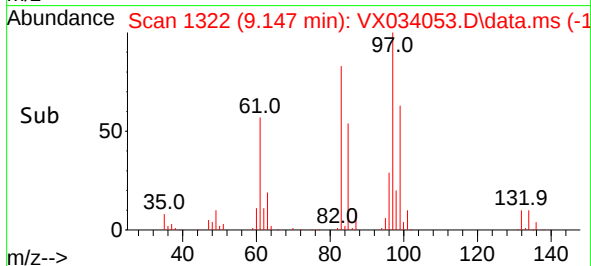
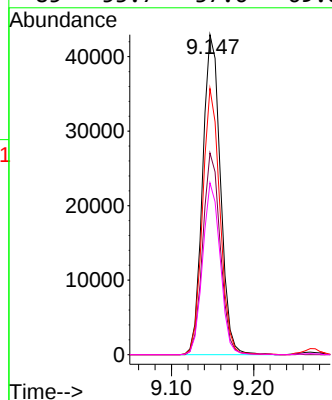
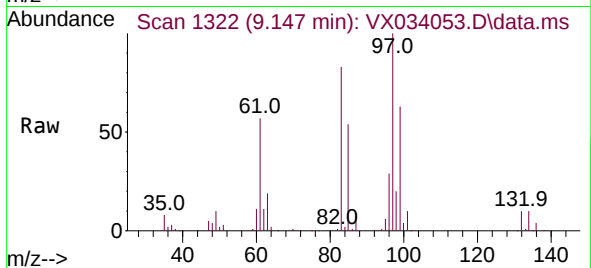
Ion Ratio Lower Upper

97 100

99 63.0 43.5 80.9

83 83.2 56.8 105.4

85 53.7 37.6 69.8



#46

Tetrachloroethene

Concen: 47.692 ug/L

RT: 9.269 min Scan# 1342

Delta R.T. -0.006 min

Lab File: VX034053.D

Acq: 07 Feb 2023 10:18

Tgt Ion: 164 Resp: 65585

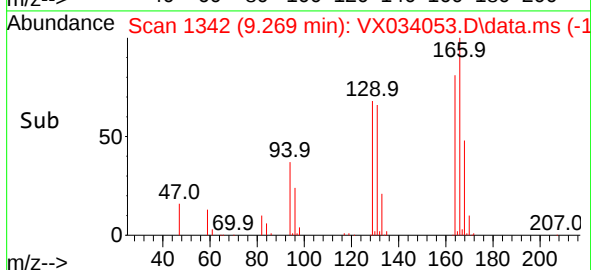
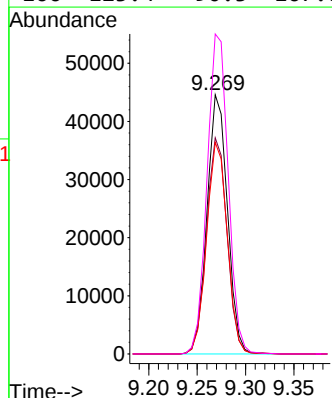
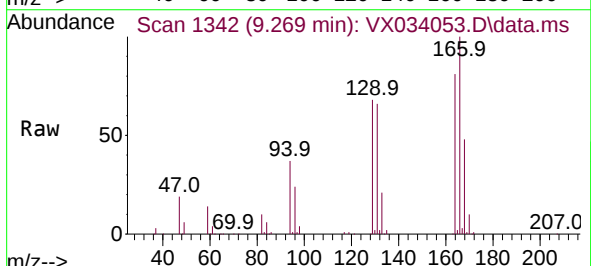
Ion Ratio Lower Upper

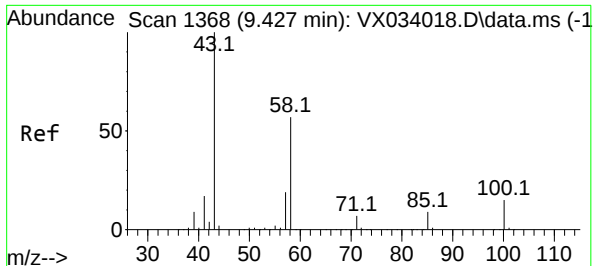
164 100

129 83.4 59.3 110.1

131 81.6 56.1 104.3

166 123.4 90.3 167.7



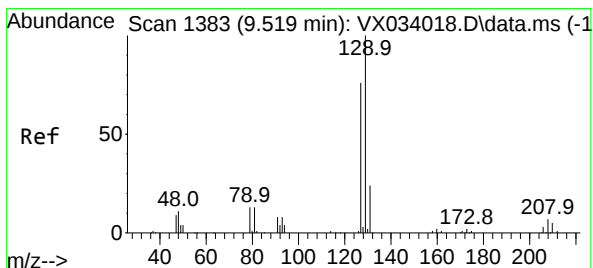
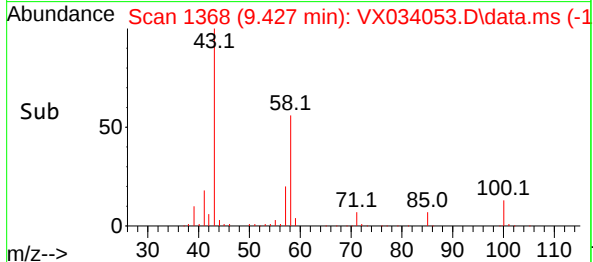
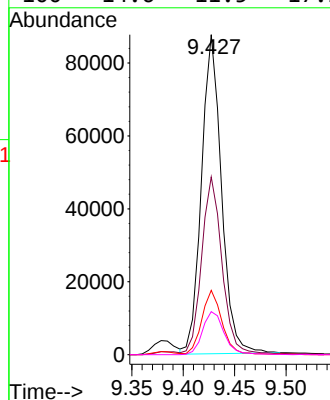
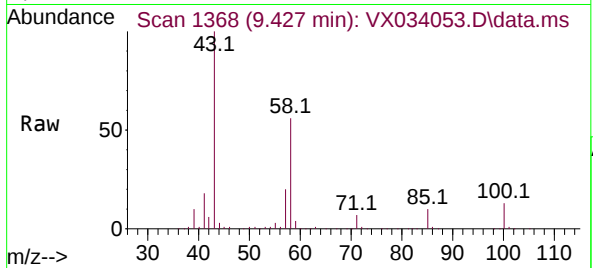


#48
2-Hexanone
Concen: 90.038 ug/L
RT: 9.427 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

Instrument :
MSVOA_X
ClientSampleId :
VSTD050620

Tgt Ion: 43 Resp: 118859

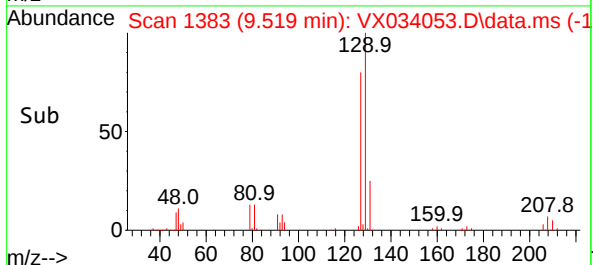
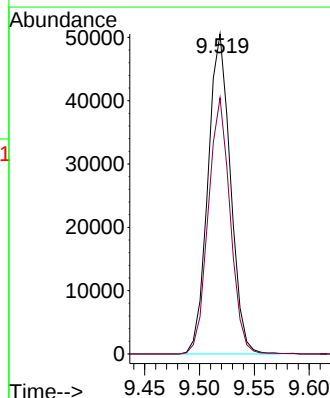
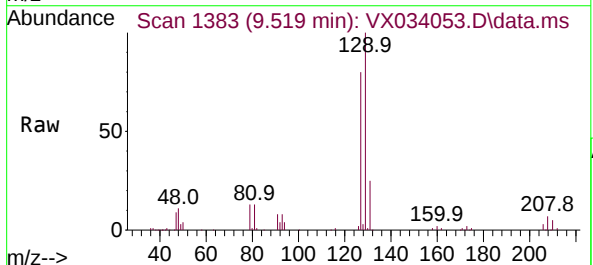
Ion	Ratio	Lower	Upper
43	100		
58	57.6	45.7	68.5
57	20.5	15.8	23.8
100	14.6	11.5	17.3

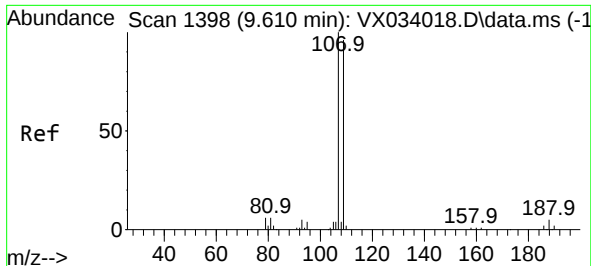


#49
Dibromochloromethane
Concen: 49.109 ug/L
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

Tgt Ion: 129 Resp: 72199

Ion	Ratio	Lower	Upper
129	100		
127	80.1	53.3	98.9





#50

1,2-Dibromoethane

Concen: 47.215 ug/L

RT: 9.604 min Scan# 1397

Delta R.T. -0.006 min

Lab File: VX034053.D

Acq: 07 Feb 2023 10:18

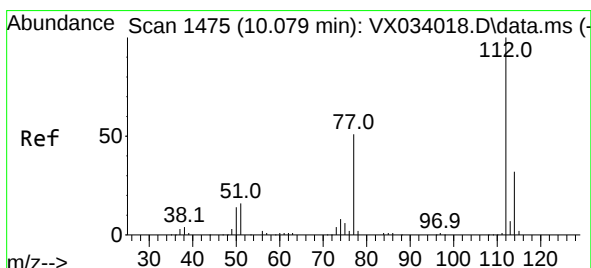
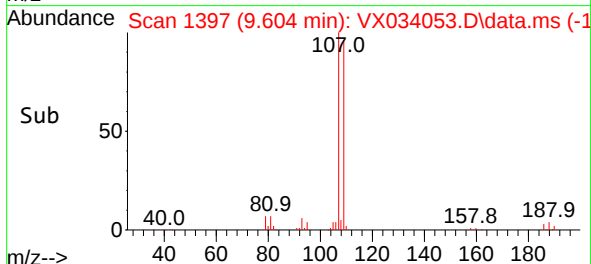
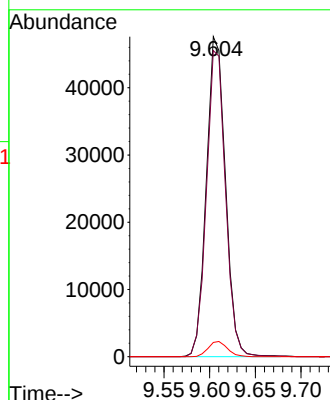
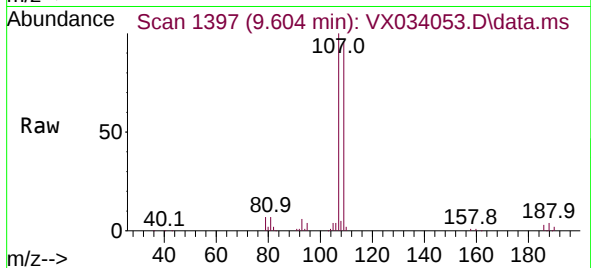
Instrument :

MSVOA_X

ClientSampleId :

VSTD050620

Tgt Ion:107	Resp:	69136
Ion	Ratio	Lower Upper
107	100	
109	95.7	64.9 120.5
188	4.5	3.3 4.9



#51

Chlorobenzene

Concen: 47.971 ug/L

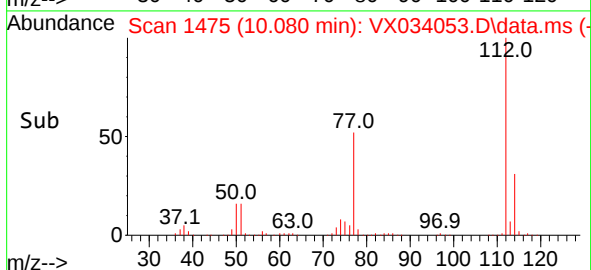
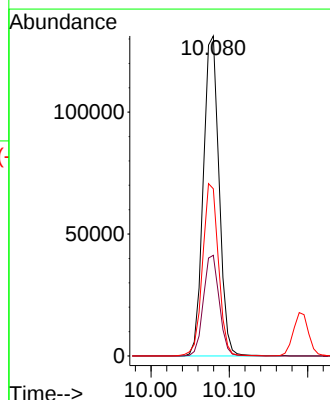
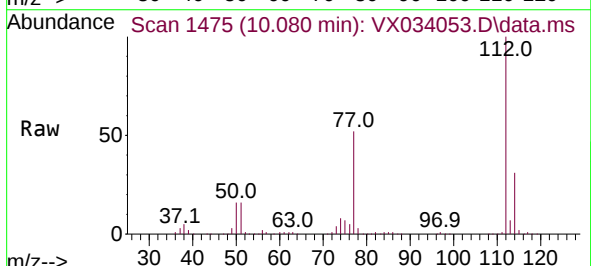
RT: 10.080 min Scan# 1475

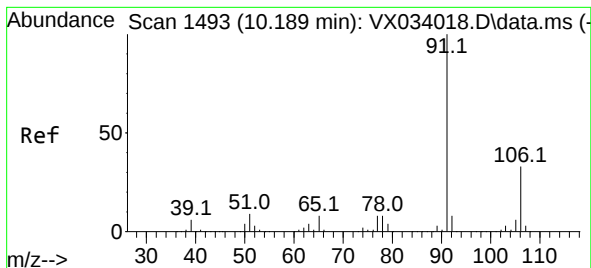
Delta R.T. 0.000 min

Lab File: VX034053.D

Acq: 07 Feb 2023 10:18

Tgt Ion:112	Resp:	183221
Ion	Ratio	Lower Upper
112	100	
114	31.4	22.7 42.3
77	52.2	43.4 65.0

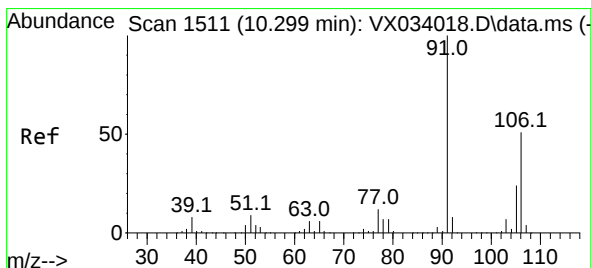
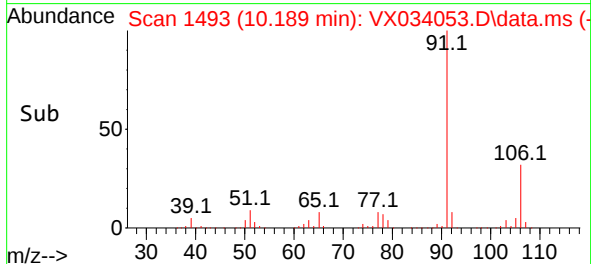
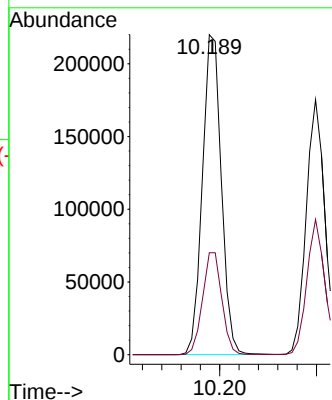
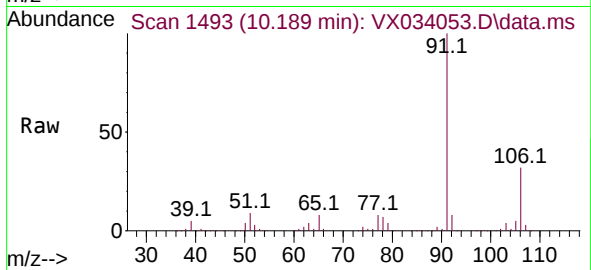




#52
Ethylbenzene
Concen: 48.288 ug/L
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

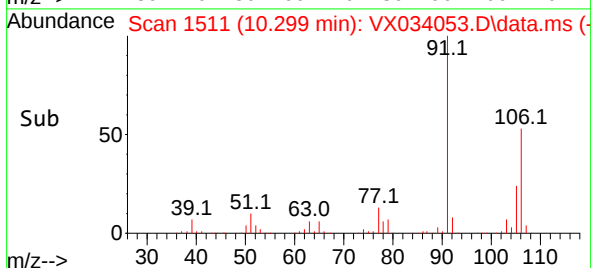
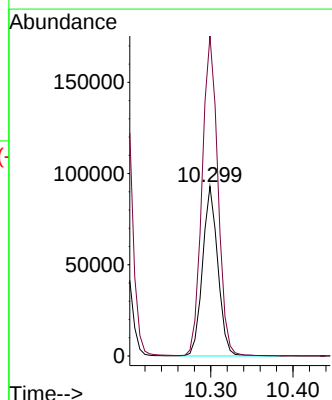
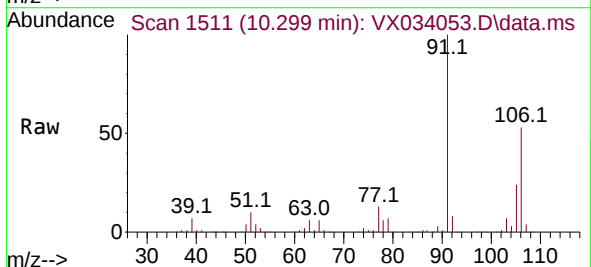
Instrument :
MSVOA_X
ClientSampleId :
VSTD050620

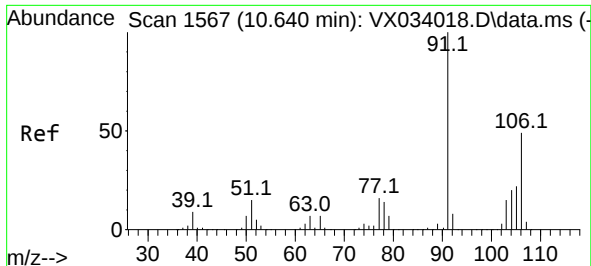
Tgt Ion: 91 Resp: 300007
Ion Ratio Lower Upper
91 100
106 31.9 23.2 43.0



#53
m,p-Xylene
Concen: 48.051 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

Tgt Ion: 106 Resp: 119836
Ion Ratio Lower Upper
106 100
91 188.7 135.2 251.0

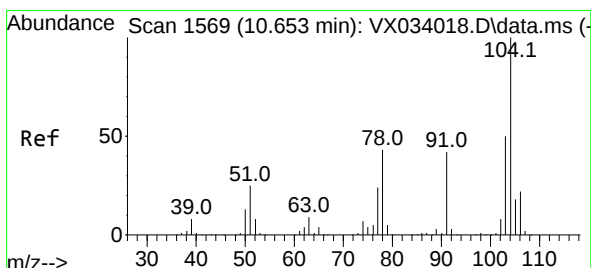
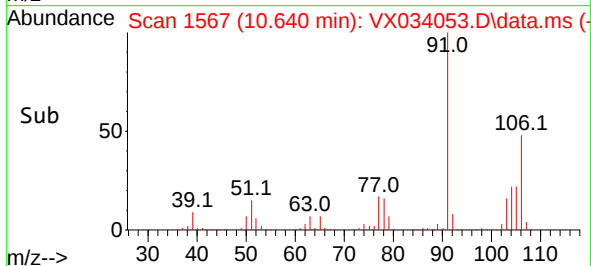
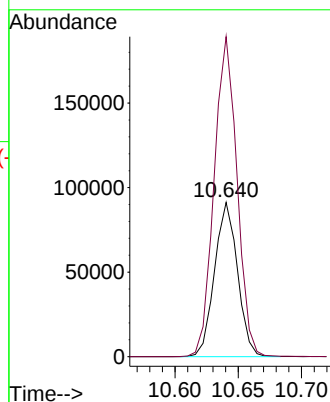
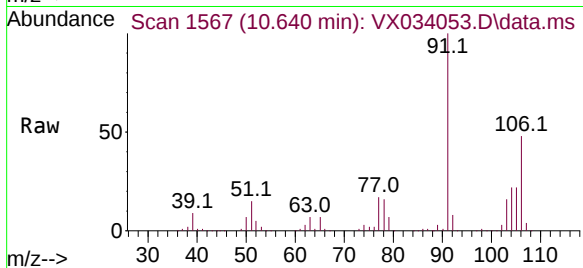




#54
o-Xylene
Concen: 47.751 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

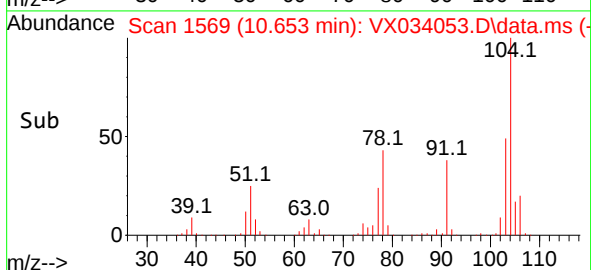
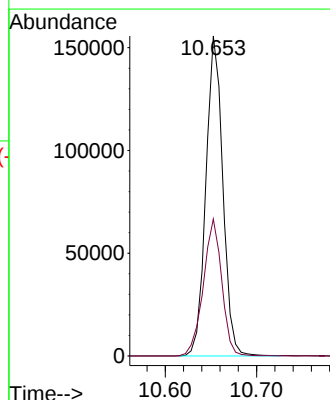
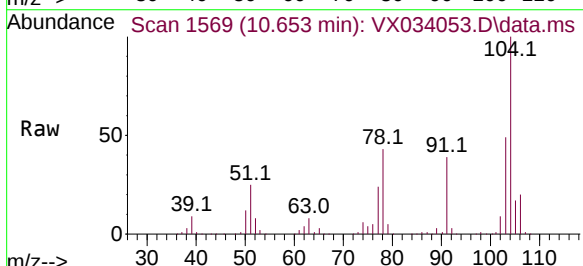
Instrument :
MSVOA_X
ClientSampleId :
VSTD050620

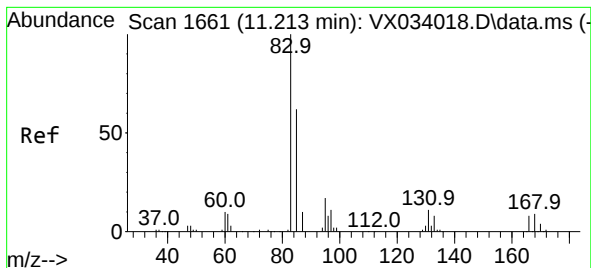
Tgt Ion:106 Resp: 115051
Ion Ratio Lower Upper
106 100
91 207.4 140.2 260.4



#55
Styrene
Concen: 49.360 ug/L
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

Tgt Ion:104 Resp: 199515
Ion Ratio Lower Upper
104 100
78 42.8 30.0 55.8





#57

1,1,2,2-Tetrachloroethane

Concen: 47.070 ug/L

RT: 11.213 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX034053.D

Acq: 07 Feb 2023 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTD050620

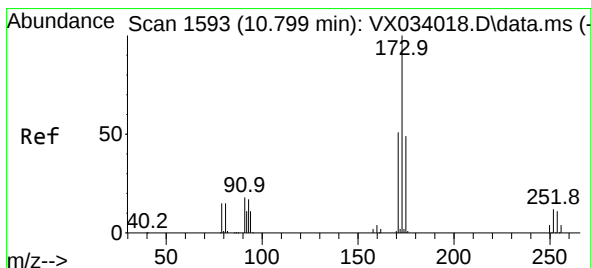
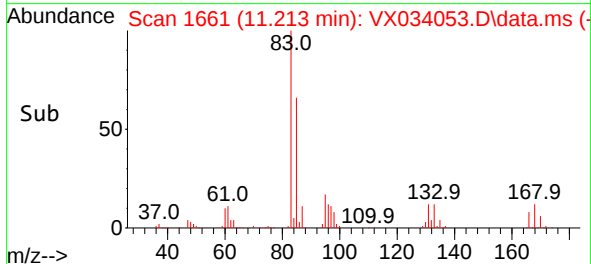
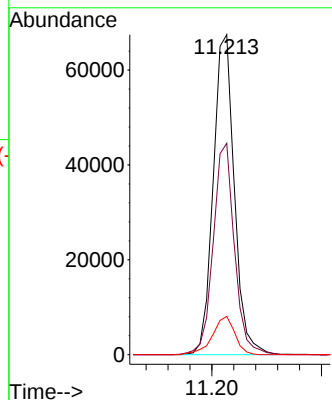
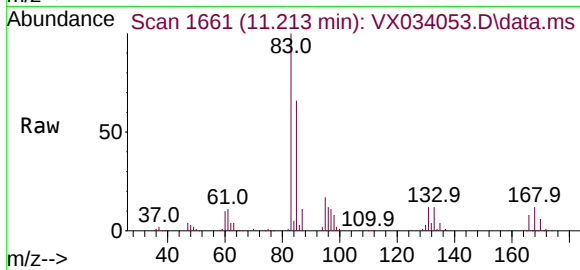
Tgt Ion: 83 Resp: 90164

Ion Ratio Lower Upper

83 100

85 66.0 45.8 85.0

131 12.0 9.1 13.7



#59

Bromoform

Concen: 47.348 ug/L

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX034053.D

Acq: 07 Feb 2023 10:18

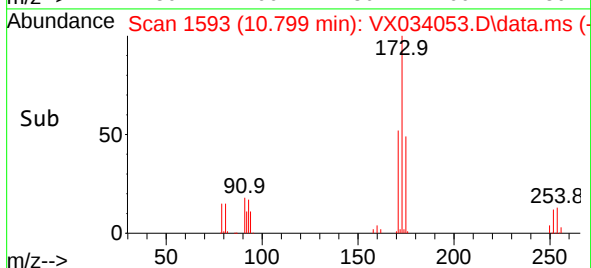
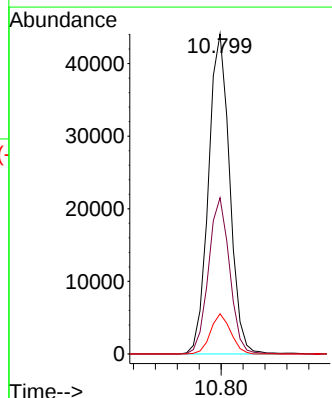
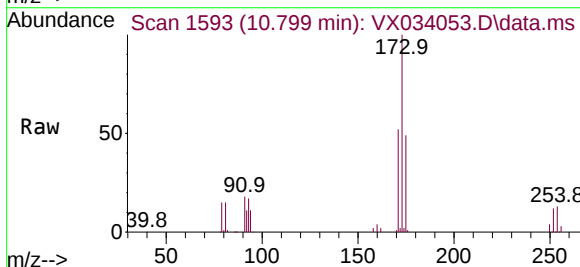
Tgt Ion:173 Resp: 59217

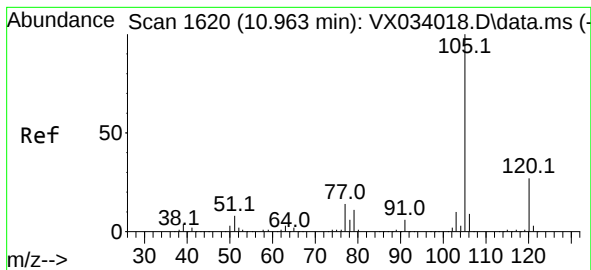
Ion Ratio Lower Upper

173 100

175 48.6 38.3 57.5

254 11.9 9.1 13.7





#60

Isopropylbenzene

Concen: 46.632 ug/L

RT: 10.964 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX034053.D

Acq: 07 Feb 2023 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTD050620

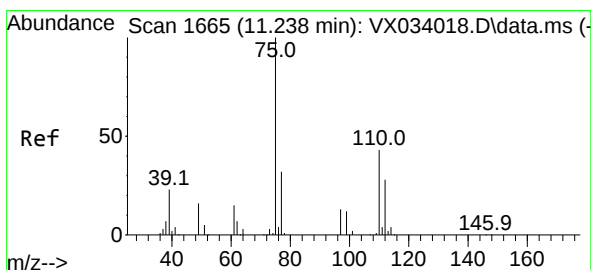
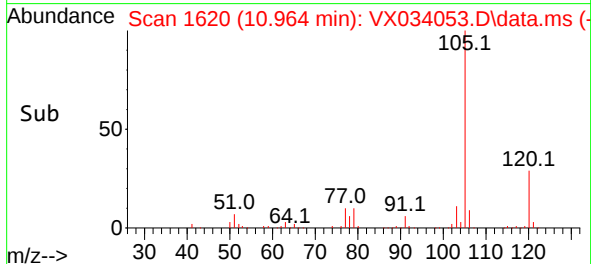
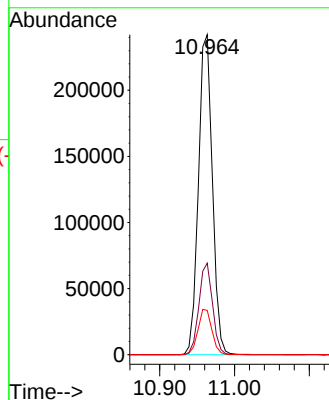
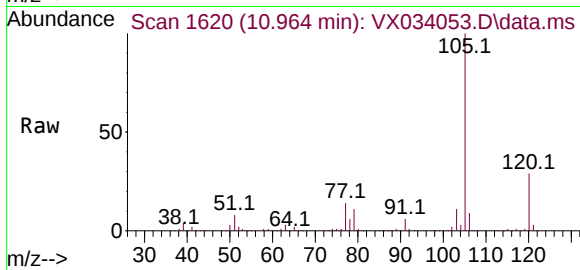
Tgt Ion:105 Resp: 313086

Ion Ratio Lower Upper

105 100

120 28.0 21.8 32.6

77 14.2 11.3 16.9



#61

1,2,3-Trichloropropane

Concen: 44.066 ug/L

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX034053.D

Acq: 07 Feb 2023 10:18

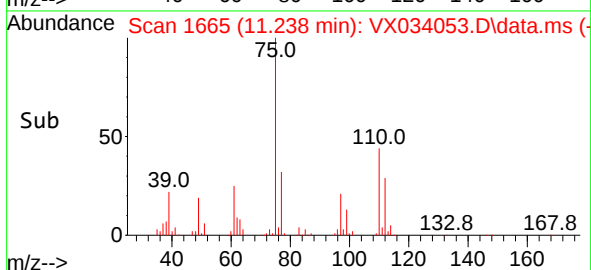
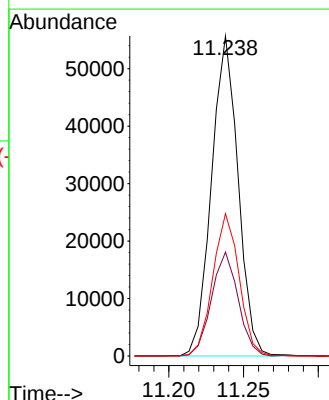
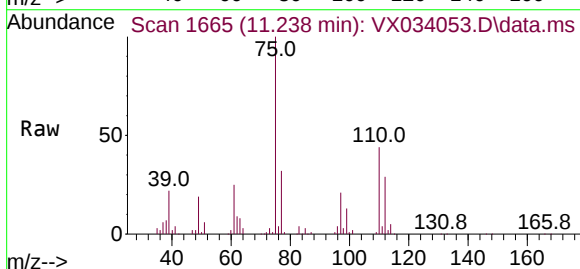
Tgt Ion: 75 Resp: 68750

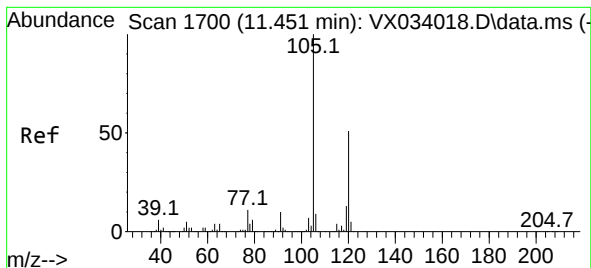
Ion Ratio Lower Upper

75 100

77 32.6 26.1 39.1

110 44.2 34.2 51.4

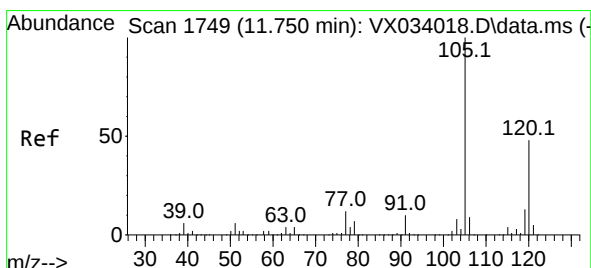
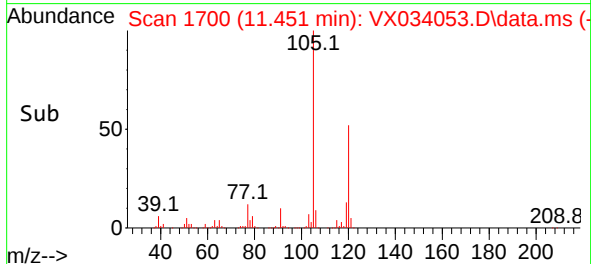
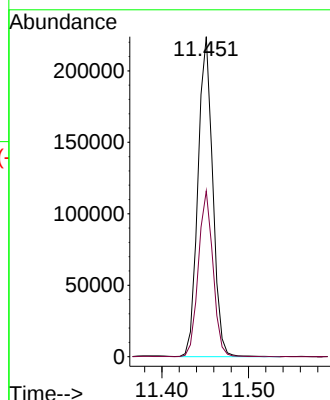
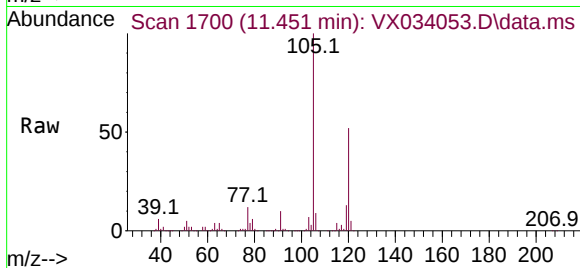




#62
1,3,5-Trimethylbenzene
Concen: 48.132 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

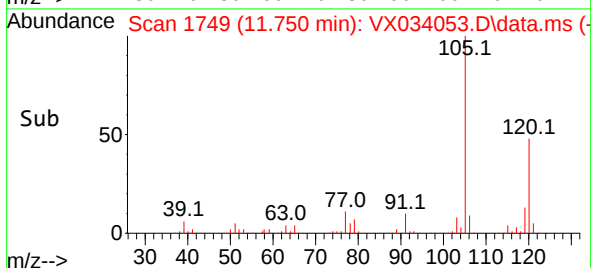
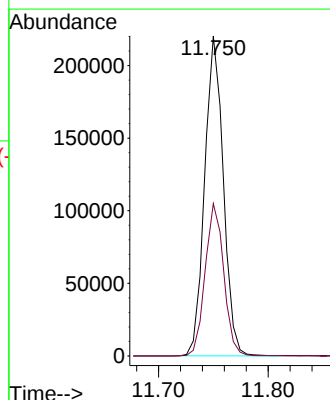
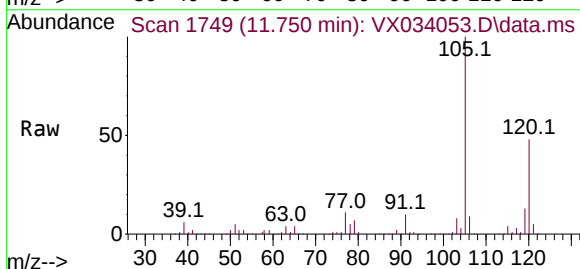
Instrument :
MSVOA_X
ClientSampleId :
VSTD050620

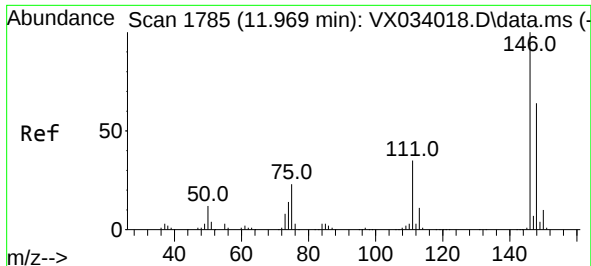
Tgt Ion:105 Resp: 264510
Ion Ratio Lower Upper
105 100
120 51.3 41.3 61.9



#63
1,2,4-Trimethylbenzene
Concen: 48.007 ug/L
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

Tgt Ion:105 Resp: 260040
Ion Ratio Lower Upper
105 100
120 47.5 38.5 57.7

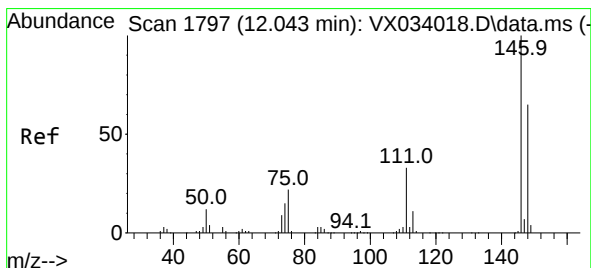
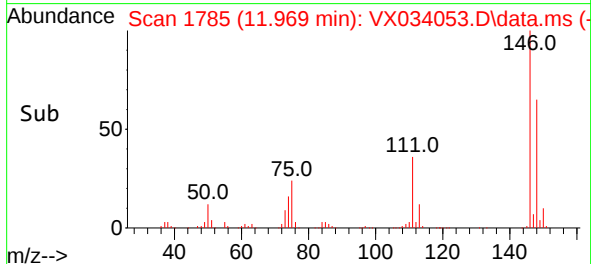
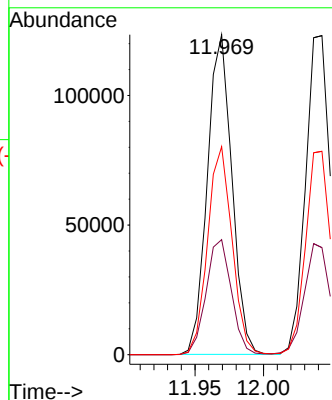
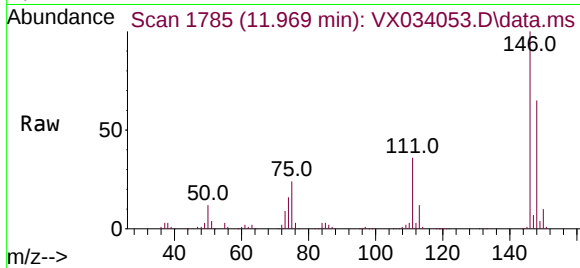




#64
1,3-Dichlorobenzene
Concen: 46.177 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

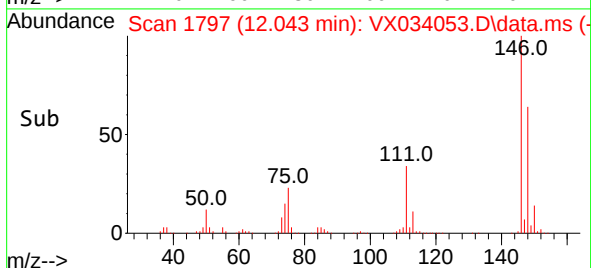
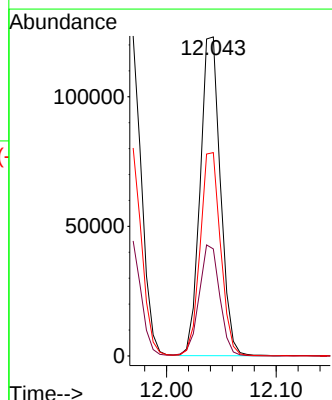
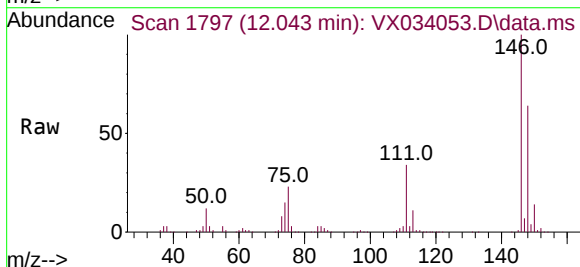
Instrument :
MSVOA_X
ClientSampleId :
VSTD050620

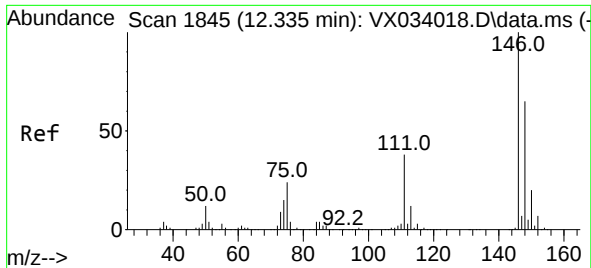
Tgt Ion:146 Resp: 154160
Ion Ratio Lower Upper
146 100
111 36.0 25.5 47.3
148 65.0 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 46.652 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

Tgt Ion:146 Resp: 157626
Ion Ratio Lower Upper
146 100
111 33.6 23.7 44.1
148 63.7 45.0 83.6

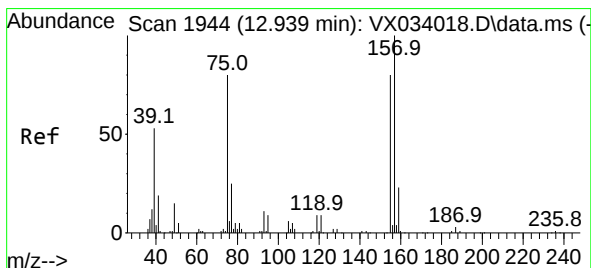
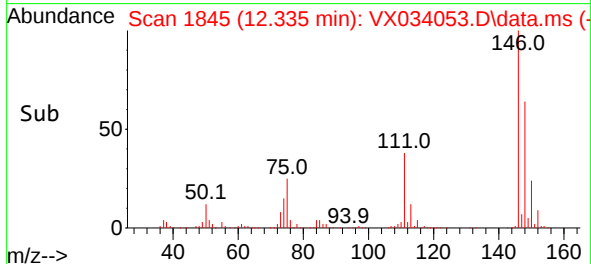
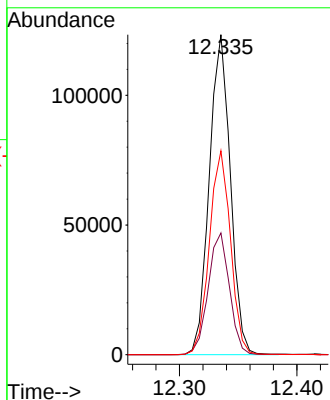
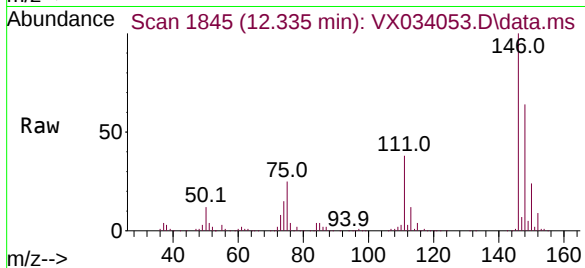




#67
1,2-Dichlorobenzene
Concen: 47.065 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

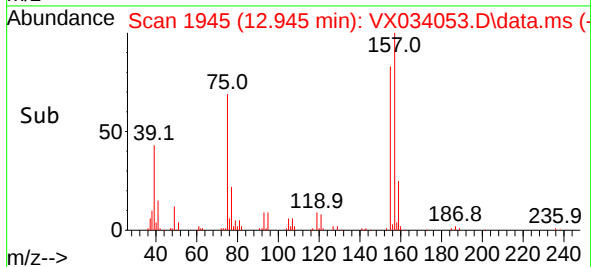
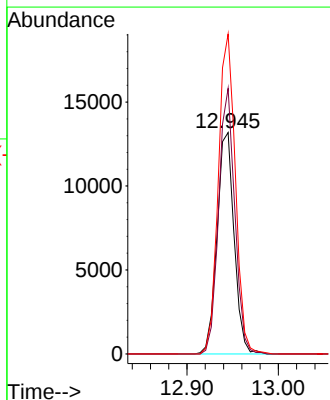
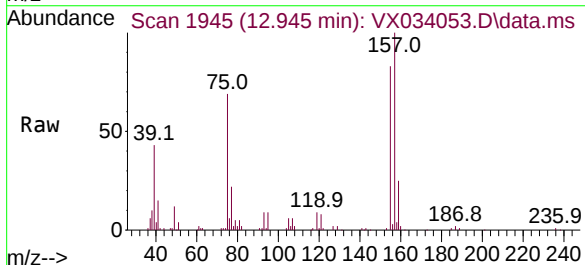
Instrument :
MSVOA_X
ClientSampleId :
VSTD050620

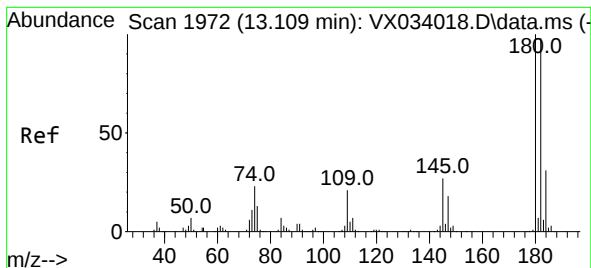
Tgt Ion:146 Resp: 153642
Ion Ratio Lower Upper
146 100
111 38.1 30.4 45.6
148 63.7 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 44.873 ug/L
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX034053.D
Acq: 07 Feb 2023 10:18

Tgt Ion: 75 Resp: 17152
Ion Ratio Lower Upper
75 100
155 119.9 89.0 133.6
157 144.5 116.9 175.3





#69

1,3,5-Trichlorobenzene

Concen: 48.384 ug/L

RT: 13.109 min Scan# 1972

Delta R.T. 0.000 min

Lab File: VX034053.D

Acq: 07 Feb 2023 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTD050620

Tgt Ion:180 Resp: 121816

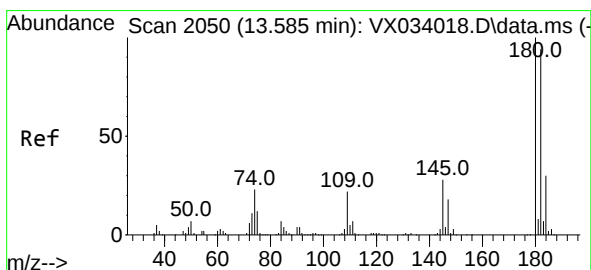
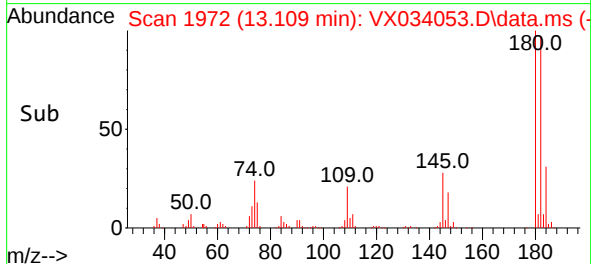
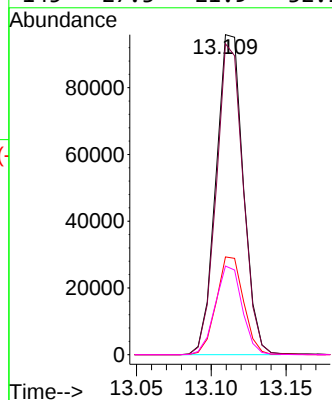
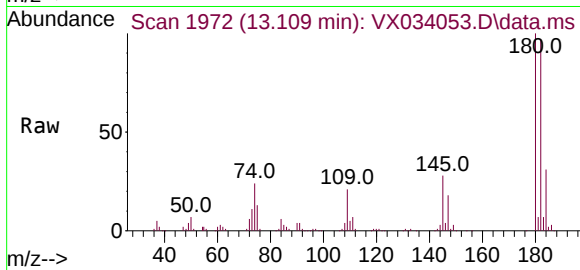
Ion Ratio Lower Upper

180 100

182 95.6 77.3 115.9

184 30.5 24.5 36.7

145 27.3 21.9 32.9



#70

1,2,4-trichlorobenzene

Concen: 48.750 ug/L

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX034053.D

Acq: 07 Feb 2023 10:18

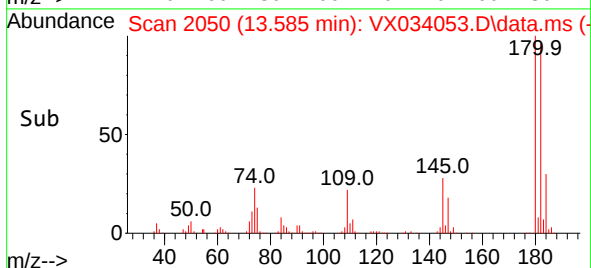
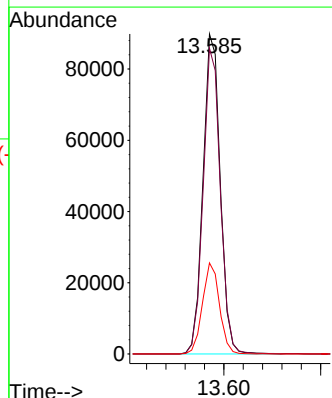
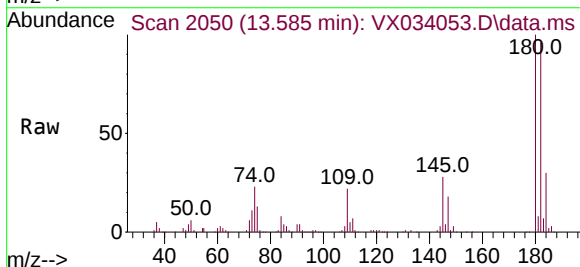
Tgt Ion:180 Resp: 111420

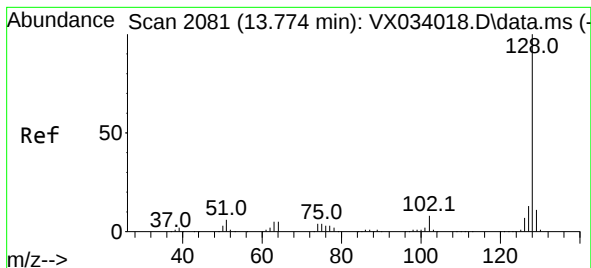
Ion Ratio Lower Upper

180 100

182 95.3 76.5 114.7

145 28.1 22.3 33.5





#71

Naphthalene

Concen: 47.407 ug/L

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX034053.D

Acq: 07 Feb 2023 10:18

Instrument :

MSVOA_X

ClientSampleId :

VSTD050620

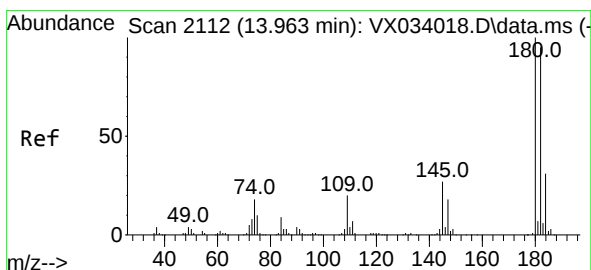
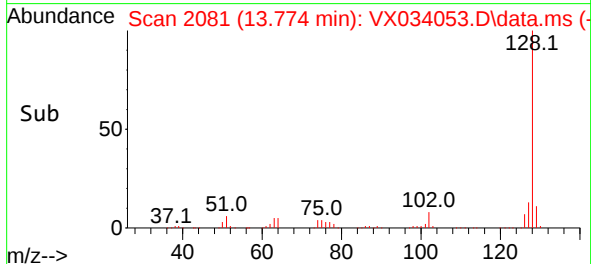
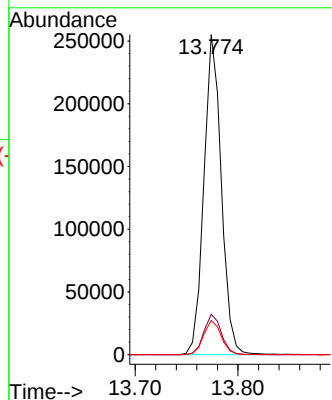
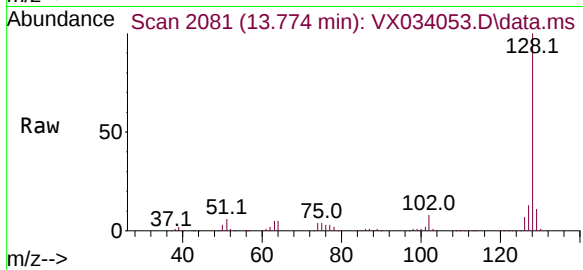
Tgt Ion:128 Resp: 299967

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 48.633 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX034053.D

Acq: 07 Feb 2023 10:18

Tgt Ion:180 Resp: 109728

Ion Ratio Lower Upper

180 100

182 94.9 77.1 115.7

145 29.8 23.5 35.3

