

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120823\
 Data File : VX039093.D
 Acq On : 08 Dec 2023 09:40
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 09 00:27:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 27 03:22:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.891	128	49008	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	287868	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	271141	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	114656	17.101	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	57.000%#
60) 4-Bromofluorobenzene	11.085	95	946	0.160	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	0.533%#
63) Toluene-d8	8.647	98	326834	30.488	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.633%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	109143	14.879	ug/l	98
3) Chloromethane	1.294	50	107764	12.831	ug/l	96
4) Vinyl Chloride	1.374	62	107093	12.630	ug/l	99
5) Bromomethane	1.605	94	62475	12.046	ug/l	98
6) Chloroethane	1.691	64	62443	12.646	ug/l	97
7) Trichlorofluoromethane	1.892	101	144705	12.365	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	93429	14.128	ug/l	99
10) 1,1-Dichloroethene	2.319	96	87467	13.121	ug/l #	85
11) Methyl Iodide	2.453	142	10270	1.406	ug/l	93
12) Methyl Acetate	2.697	43	127099	6.113	ug/l	99
14) Acrylonitrile	3.105	53	3203	0.630	ug/l #	18
15) Acetone	2.373	58	63472	34.339	ug/l	100
16) Carbon Disulfide	2.514	76	273511	13.547	ug/l	97
18) Methylene Chloride	2.788	84	99068	12.537	ug/l	96
19) trans-1,2-Dichloroethene	3.087	96	91519	12.139	ug/l	98
21) 1,1-Dichloroethane	3.605	63	178661	12.760	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	105485	12.073	ug/l	91
23) tert-Butyl Alcohol	2.940	59	3619	1.286	ug/l #	100
24) Methyl tert-Butyl Ether	3.105	73	313959	12.785	ug/l	100
25) Chloroform	5.086	83	179545	12.776	ug/l	95
26) Cyclohexane	5.464	56	174834	13.796	ug/l #	98
30) 2-Butanone	4.544	43	237776	39.136	ug/l	99
31) 2,2-Dichloropropane	4.440	77	43029	4.664	ug/l #	71
32) 1,1,1-Trichloroethane	5.379	97	152675	16.369	ug/l	98
33) Carbon Tetrachloride	5.672	117	127631	16.245	ug/l	95
34) Benzene	6.031	78	398325	16.944	ug/l	97
36) 1,2-Dichloroethane	6.080	62	144039	16.699	ug/l	100
37) Trichloroethene	7.123	130	98946	16.584	ug/l	100
38) Methylcyclohexane	7.373	83	175215	17.426	ug/l	98
39) 1,2-Dichloropropane	7.427	63	109712	17.696	ug/l	98
40) Dibromomethane	7.580	93	1012	0.231	ug/l	89
41) Bromodichloromethane	7.818	83	133879	15.909	ug/l	98
45) 1,4-Dioxane	7.818	88	52	0.309	ug/l #	1
46) Methyl methacrylate	7.373	41	81417	8.642	ug/l	73
48) t-1,3-Dichloropropene	8.976	75	165330	16.943	ug/l	95
49) cis-1,3-Dichloropropene	8.360	75	177180	17.602	ug/l	100
50) 1,1,2-Trichloroethane	9.147	97	102055	17.151	ug/l	97
52) 1,3-Dichloropropane	9.378	76	13518	1.325	ug/l	43
53) Dibromochloromethane	9.518	129	100876	15.785	ug/l	99

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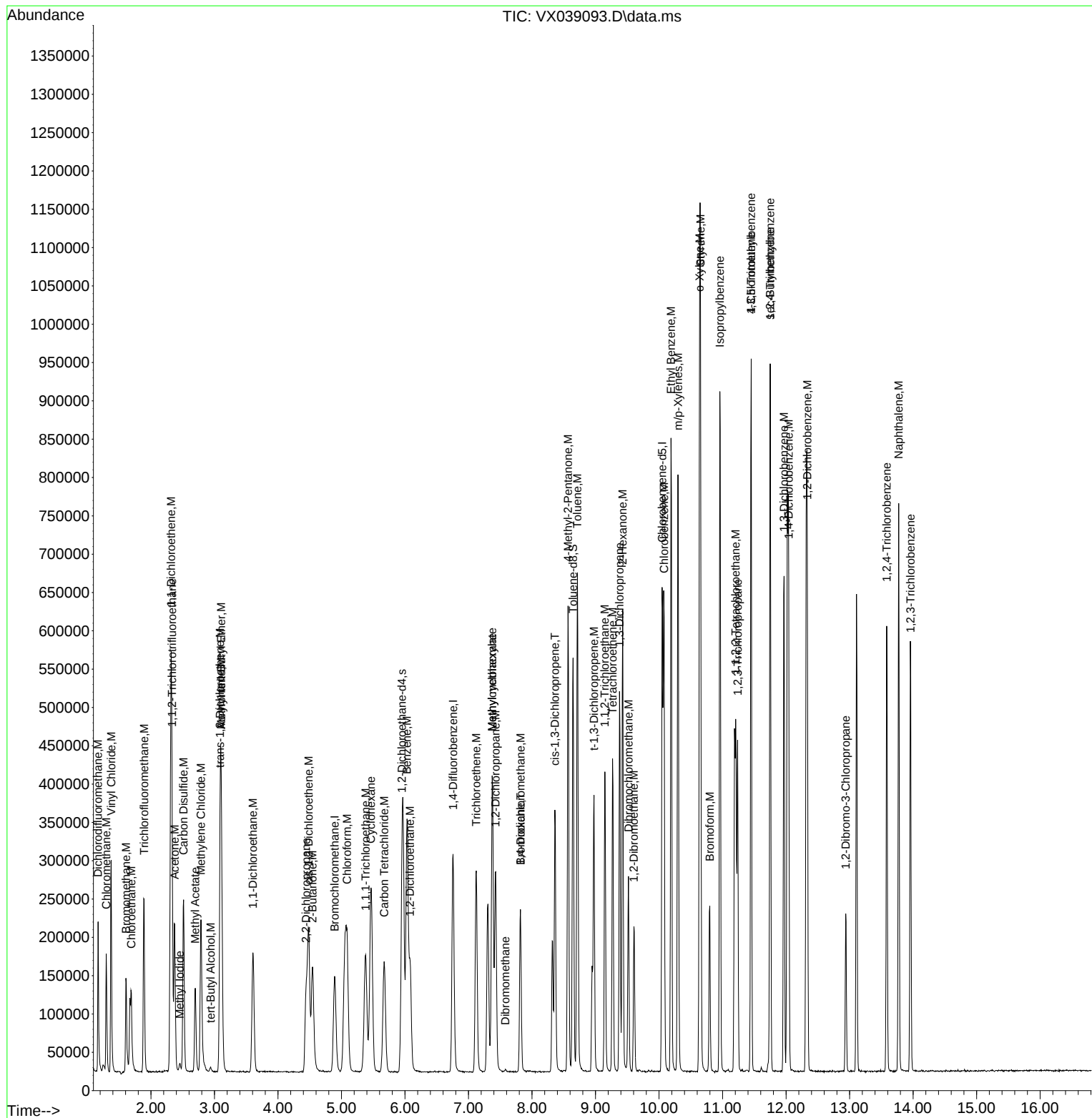
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) 1,2-Dibromoethane	9.604	107	107441	16.465	ug/l	100
56) Bromoform	10.799	173	74604	16.175	ug/l	98
58) 4-Methyl-2-Pentanone	8.567	43	360572	43.853	ug/l	99
59) 2-Hexanone	9.427	43	319937	47.404	ug/l	98
61) Tetrachloroethene	9.269	164	71578	20.304	ug/l	96
62) Toluene	8.714	91	425384	22.098	ug/l	99
64) Chlorobenzene	10.079	112	260781	22.271	ug/l	99
66) Ethyl Benzene	10.189	91	478987	21.852	ug/l	98
67) m/p-Xylenes	10.299	106	177752	21.945	ug/l	100
68) o-Xylene	10.640	106	170319	21.708	ug/l	99
69) Styrene	10.652	104	293690	25.292	ug/l	99
70) Isopropylbenzene	10.957	105	464924	22.147	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.207	83	173663	22.160	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	135564	20.443	ug/l	90
76) 1,3,5-Trimethylbenzene	11.451	105	391347	21.639	ug/l	100
78) 4-Chlorotoluene	11.451	91	43941	2.477	ug/l #	46
80) 1,2,4-Trimethylbenzene	11.750	105	386162	21.335	ug/l	99
81) sec-Butylbenzene	11.750	105	386162	17.763	ug/l	58
83) 1,3-Dichlorobenzene	11.969	146	197322	21.573	ug/l	98
84) 1,4-Dichlorobenzene	12.042	146	196801	20.970	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	189159	21.507	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.939	75	41813	20.862	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	121812	20.889	ug/l	98
91) Naphthalene	13.774	128	414310	19.265	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	117578	20.816	ug/l	98

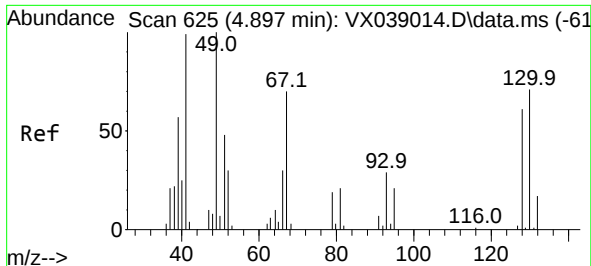
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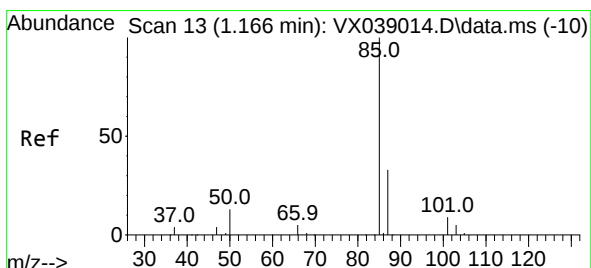
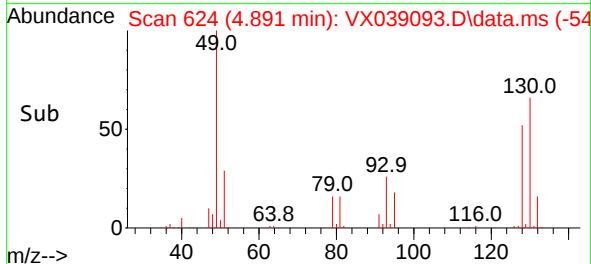
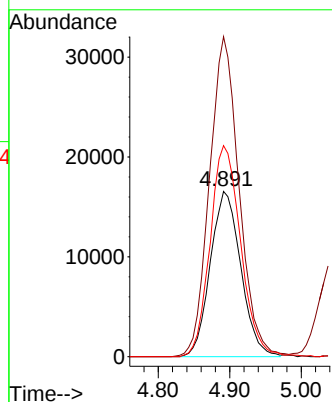
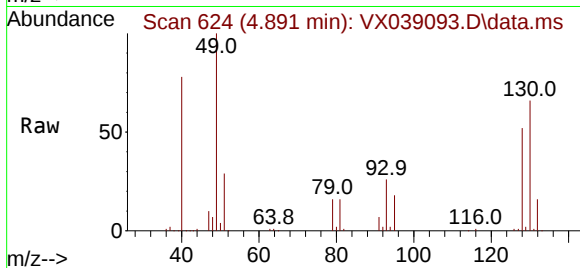




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX039093.D
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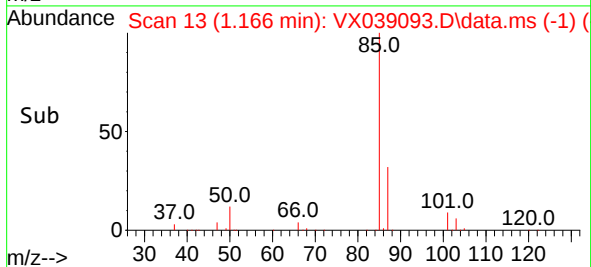
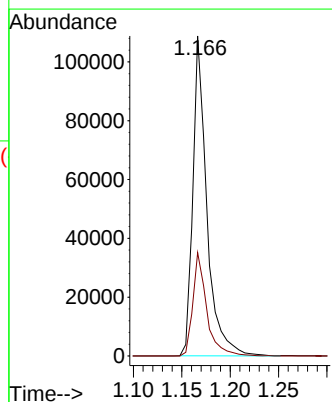
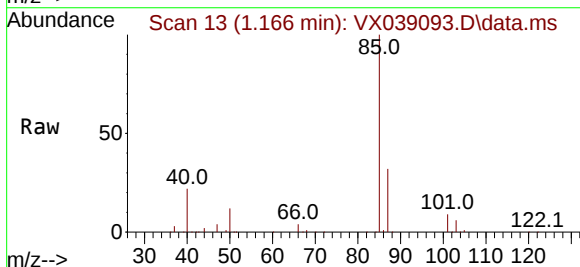
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

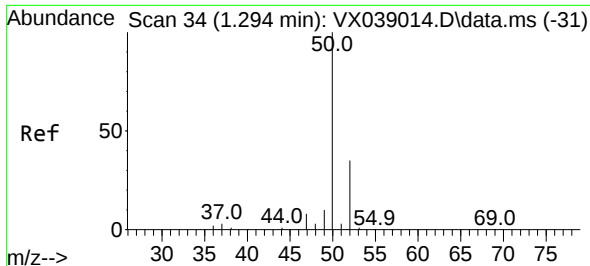
Tgt Ion:128 Resp: 49008
Ion Ratio Lower Upper
128 100
49 188.0 0.0 444.0
130 127.9 0.0 297.8



#2
Dichlorodifluoromethane
Concen: 14.879 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

Tgt Ion: 85 Resp: 109143
Ion Ratio Lower Upper
85 100
87 32.3 16.7 50.1

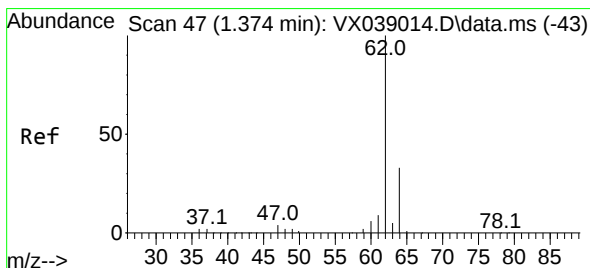
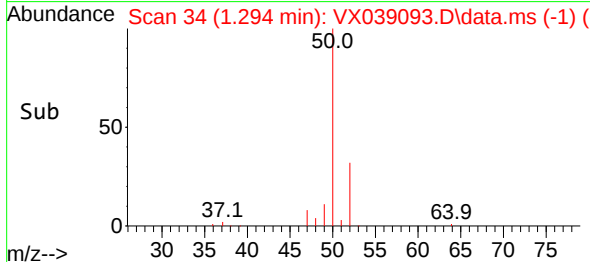
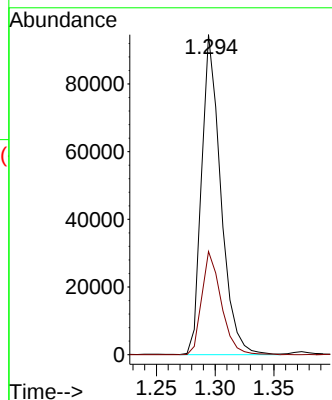
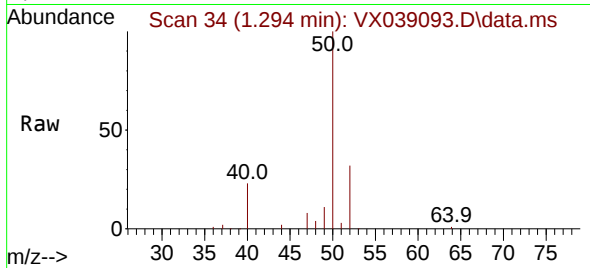




#3
 Chloromethane
 Concen: 12.831 ug/l
 RT: 1.294 min Scan# 34
 Delta R.T. -0.000 min
 Lab File: VX039093.D
 Acq: 08 Dec 2023 09:40

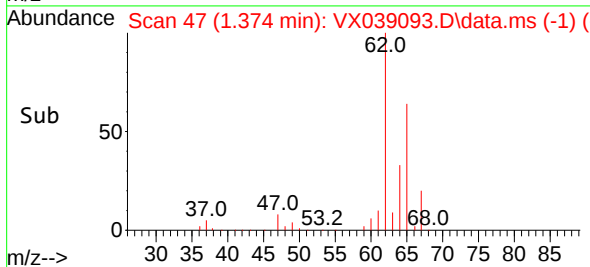
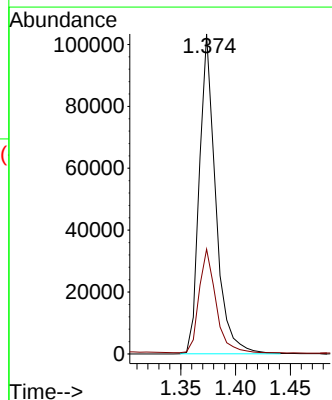
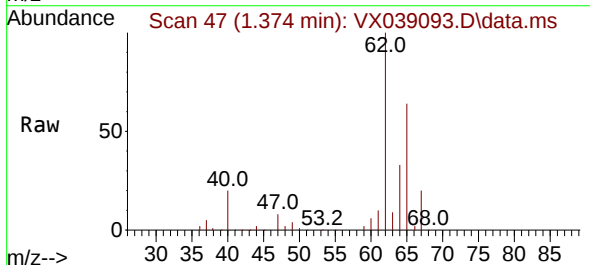
Instrument :
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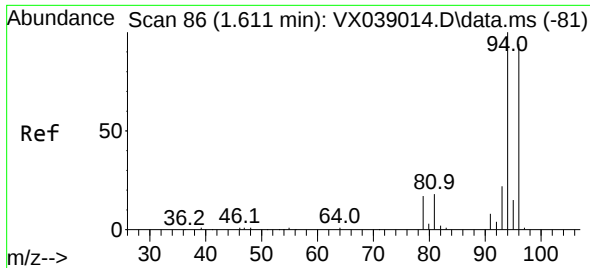
Tgt Ion: 50 Resp: 107764
 Ion Ratio Lower Upper
 50 100
 52 32.3 27.8 41.8



#4
 Vinyl Chloride
 Concen: 12.630 ug/l
 RT: 1.374 min Scan# 47
 Delta R.T. -0.000 min
 Lab File: VX039093.D
 Acq: 08 Dec 2023 09:40

Tgt Ion: 62 Resp: 107093
 Ion Ratio Lower Upper
 62 100
 64 32.4 26.3 39.5

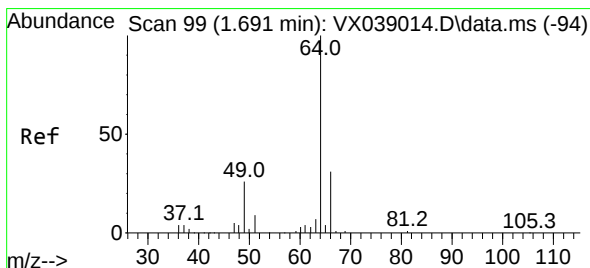
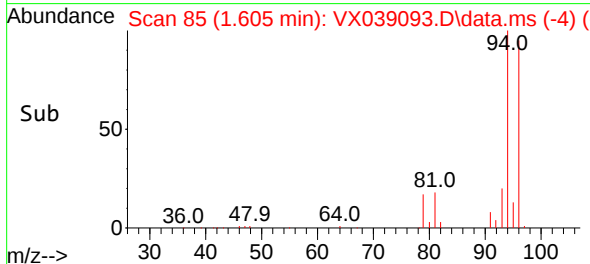
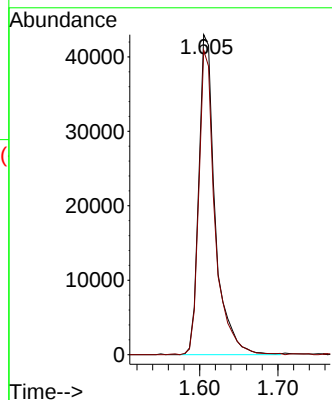
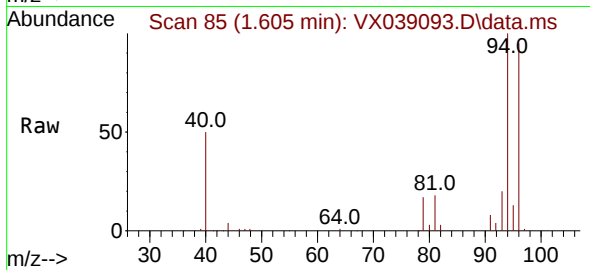




#5
Bromomethane
Concen: 12.046 ug/l
RT: 1.605 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

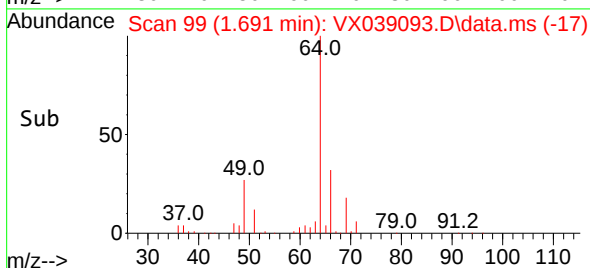
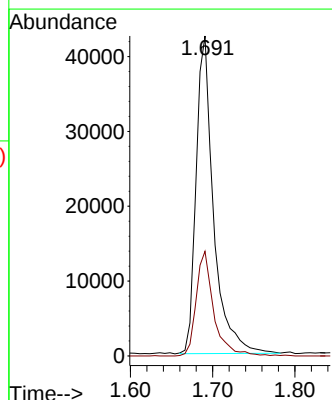
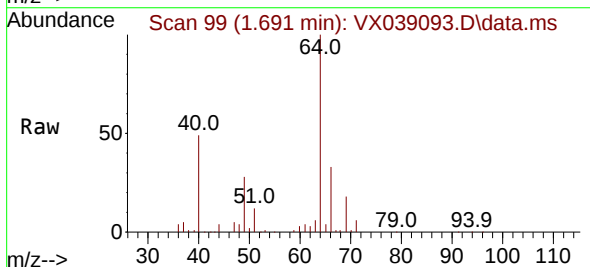
Instrument :
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ClientSampleId :
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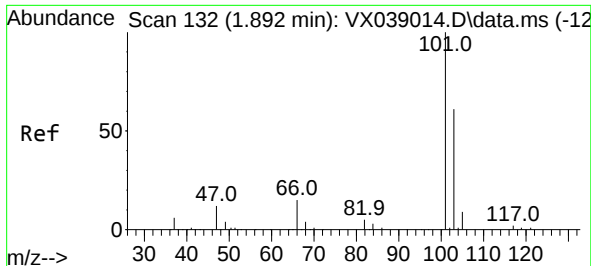
Tgt Ion: 94 Resp: 62475
Ion Ratio Lower Upper
94 100
96 95.1 74.9 112.3



#6
Chloroethane
Concen: 12.646 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

Tgt Ion: 64 Resp: 62443
Ion Ratio Lower Upper
64 100
66 32.8 25.0 37.6

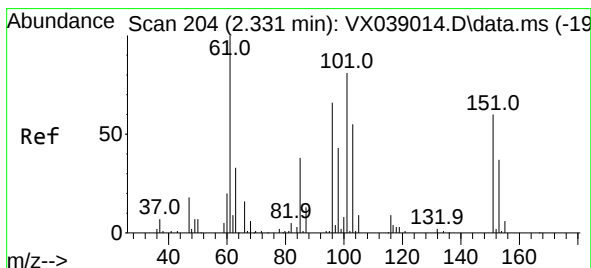
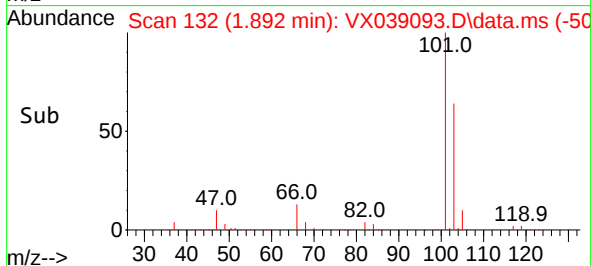
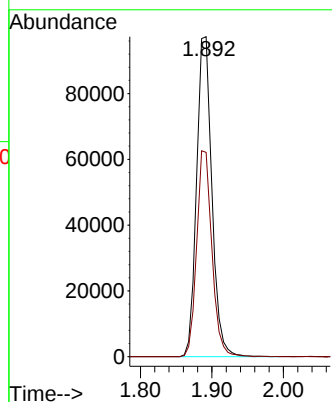
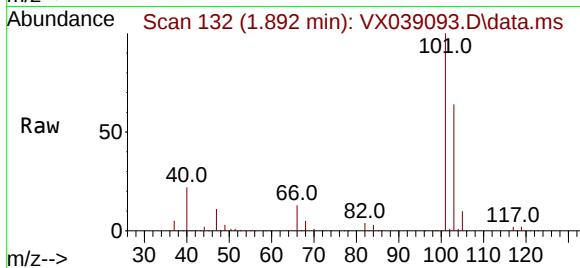




#7
 Trichlorofluoromethane
 Concen: 12.365 ug/l
 RT: 1.892 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX039093.D
 Acq: 08 Dec 2023 09:40

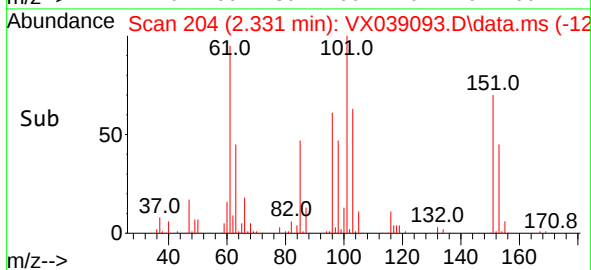
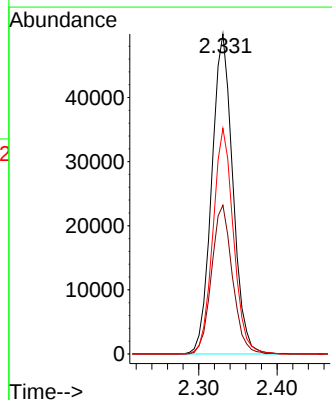
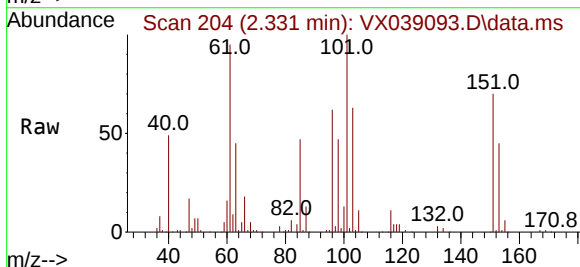
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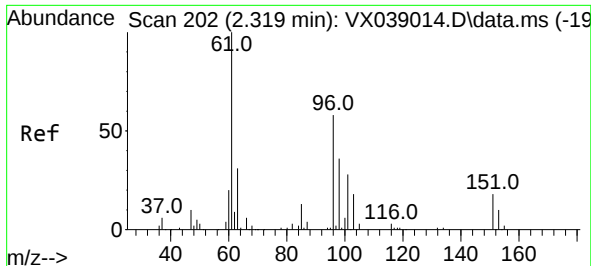
Tgt Ion:101 Resp: 144705
 Ion Ratio Lower Upper
 101 100
 103 63.9 49.1 73.7



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 14.128 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. -0.000 min
 Lab File: VX039093.D
 Acq: 08 Dec 2023 09:40

Tgt Ion:101 Resp: 93429
 Ion Ratio Lower Upper
 101 100
 85 45.9 0.0 95.2
 151 68.6 0.0 136.8





#10

1,1-Dichloroethene

Concen: 13.121 ug/l

RT: 2.319 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX039093.D

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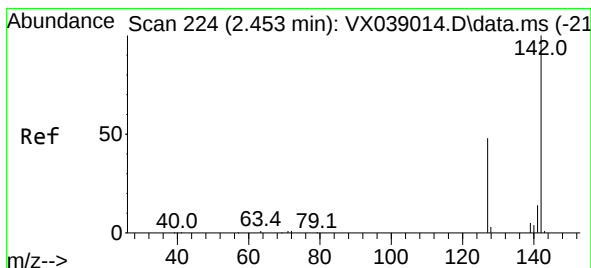
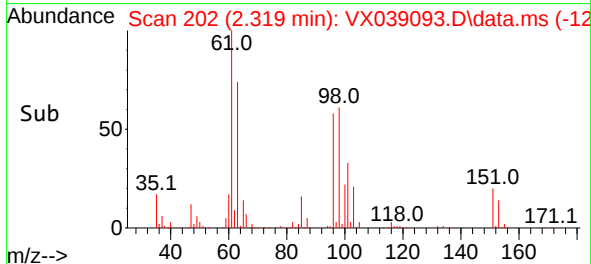
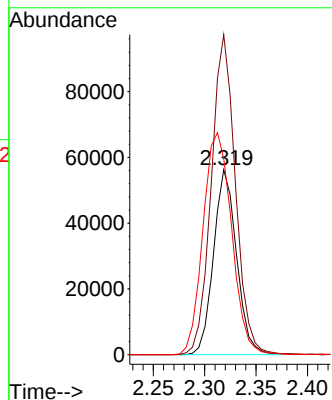
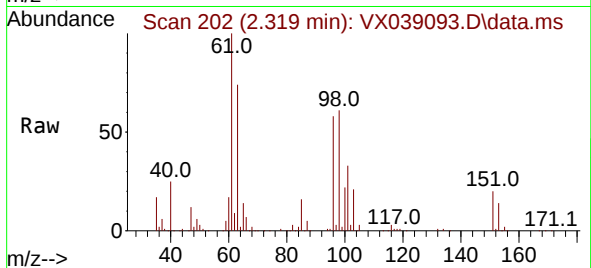
Tgt Ion: 96 Resp: 87467

Ion Ratio Lower Upper

96 100

61 172.9 138.3 207.5

98 105.5 49.8 74.6#



#11

Methyl Iodide

Concen: 1.406 ug/l

RT: 2.453 min Scan# 224

Delta R.T. -0.000 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

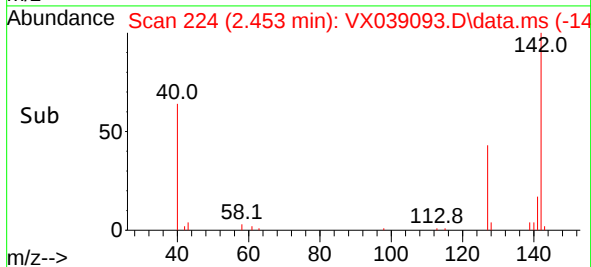
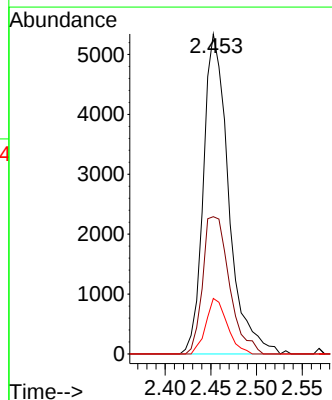
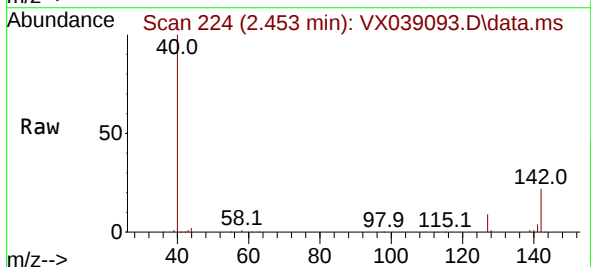
Tgt Ion:142 Resp: 10270

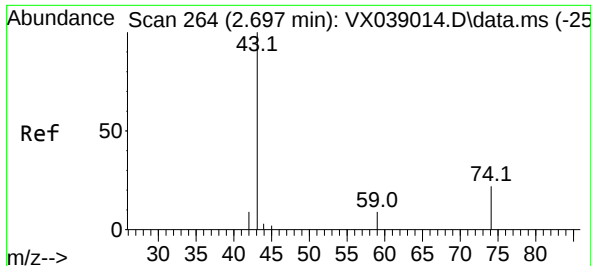
Ion Ratio Lower Upper

142 100

127 42.9 23.8 71.4

141 17.4 6.9 20.6

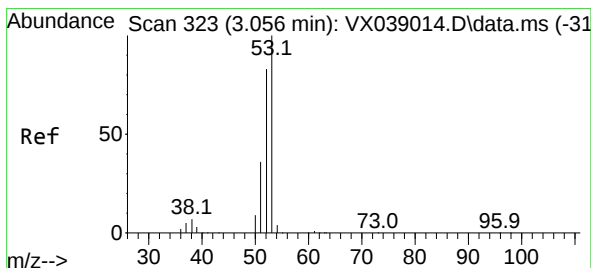
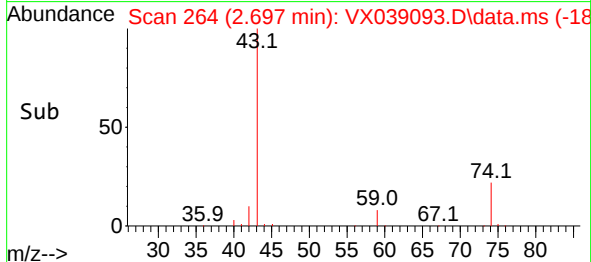
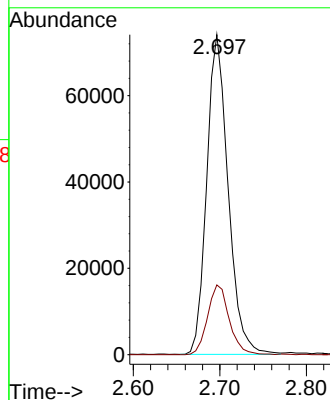
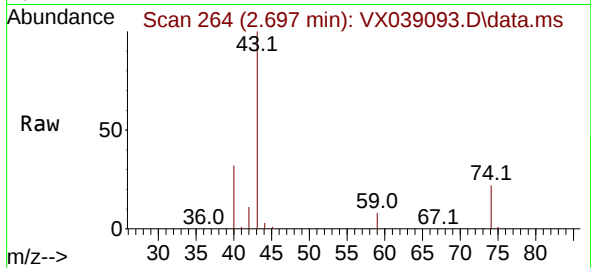




#12
Methyl Acetate
Concen: 6.113 ug/l
RT: 2.697 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

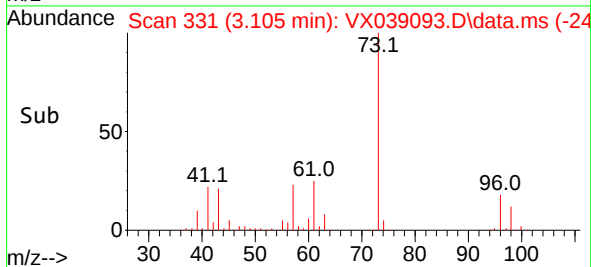
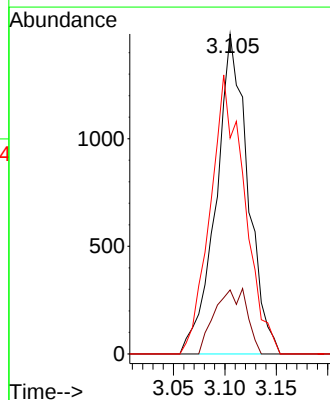
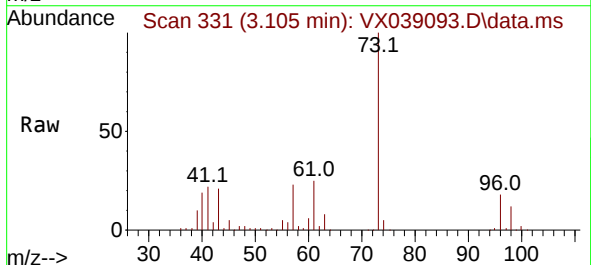
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

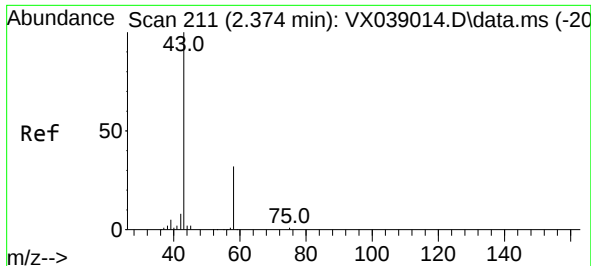
Tgt Ion: 43 Resp: 127099
Ion Ratio Lower Upper
43 100
74 21.8 17.8 26.6



#14
Acrylonitrile
Concen: 0.630 ug/l
RT: 3.105 min Scan# 331
Delta R.T. 0.049 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

Tgt Ion: 53 Resp: 3203
Ion Ratio Lower Upper
53 100
52 14.5 41.9 125.6#
51 93.5 18.3 54.9#





#15

Acetone

Concen: 34.339 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

Instrument :

MSVOA_X

ClientSampleId :

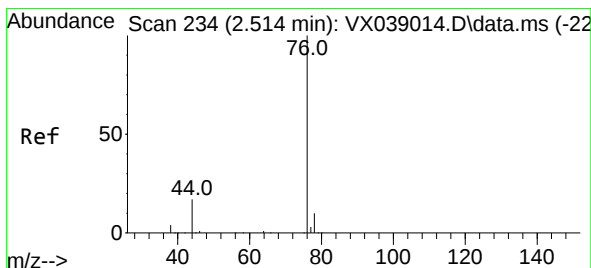
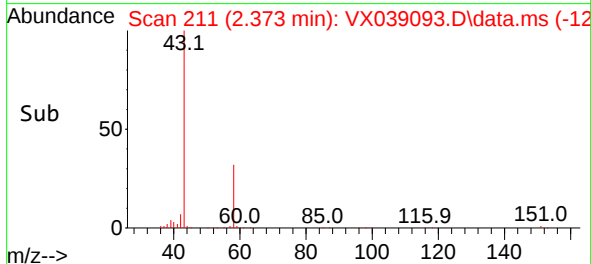
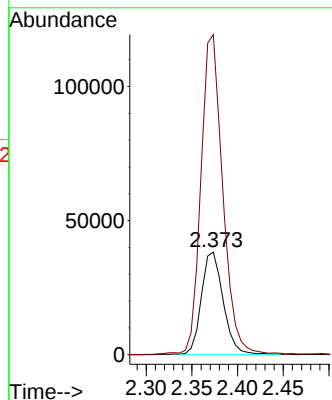
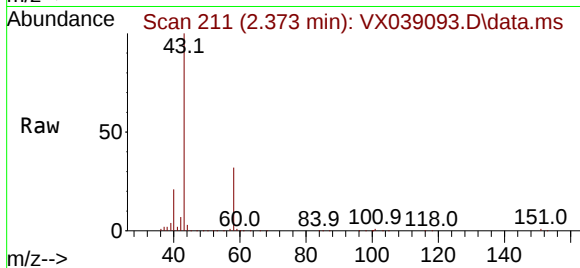
VSTDCCC050

Tgt Ion: 58 Resp: 63472

Ion Ratio Lower Upper

58 100

43 311.9 249.9 374.9



#16

Carbon Disulfide

Concen: 13.547 ug/l

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX039093.D

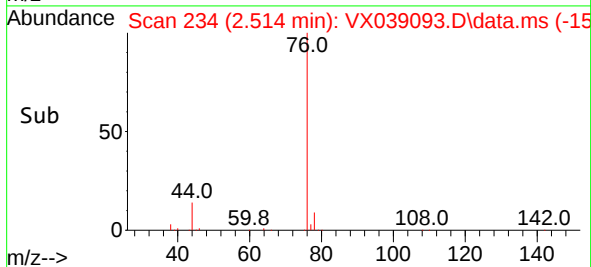
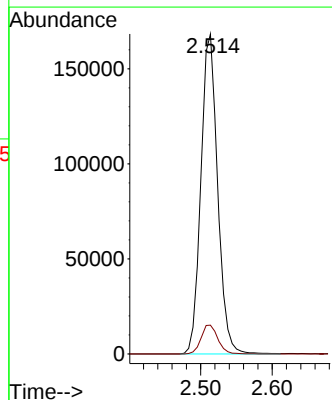
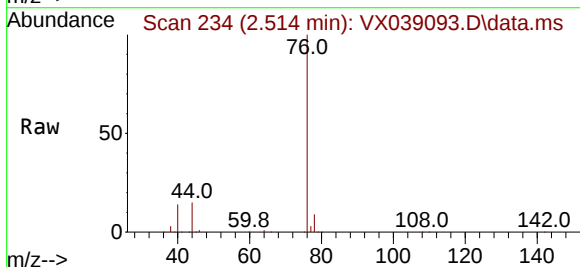
Acq: 08 Dec 2023 09:40

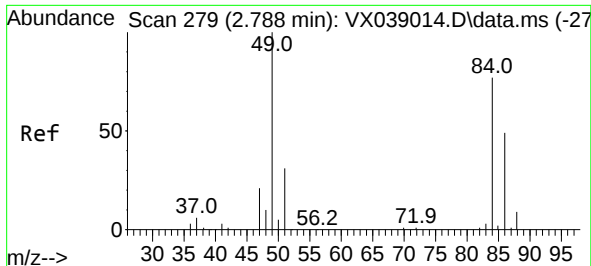
Tgt Ion: 76 Resp: 273511

Ion Ratio Lower Upper

76 100

78 9.0 8.0 12.0

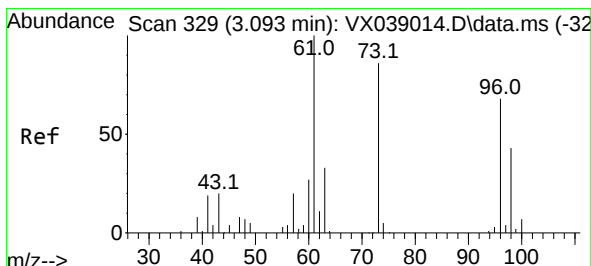
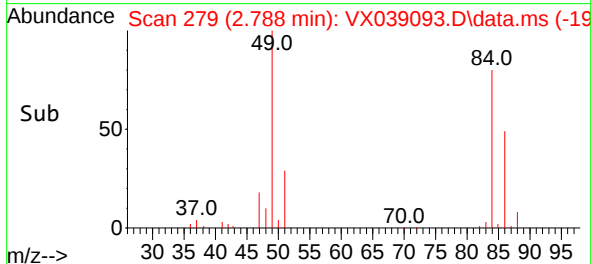
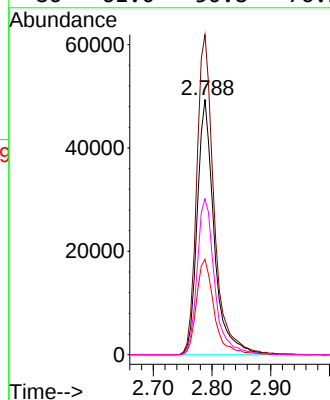
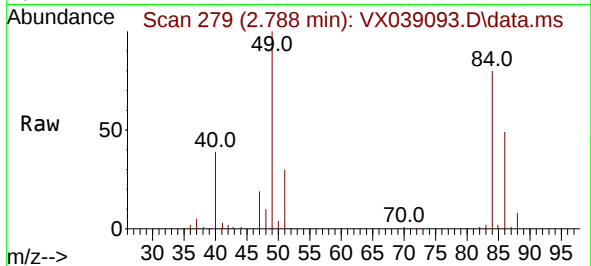




#18
Methylene Chloride
Concen: 12.537 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

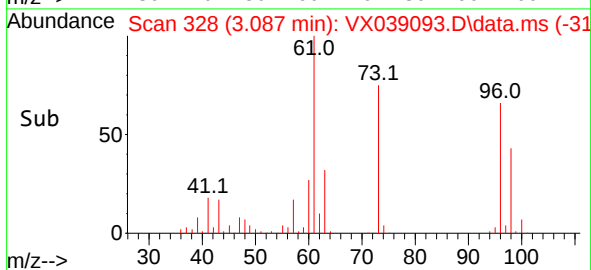
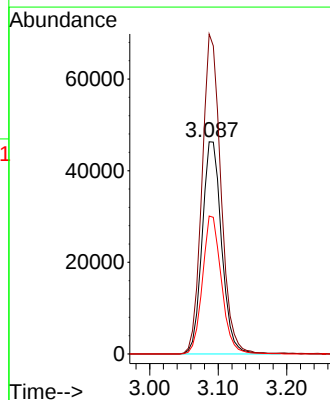
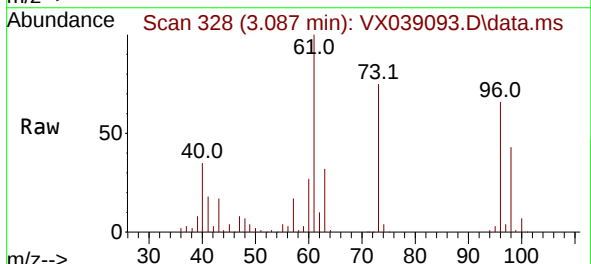
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

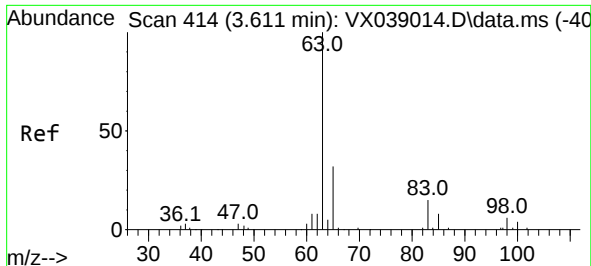
Tgt Ion:	84	Resp:	99068
Ion	Ratio	Lower	Upper
84	100		
49	125.2	103.8	155.8
51	37.4	31.8	47.6
86	61.0	50.8	76.2



#19
trans-1,2-Dichloroethene
Concen: 12.139 ug/l
RT: 3.087 min Scan# 328
Delta R.T. -0.006 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

Tgt Ion:	96	Resp:	91519
Ion	Ratio	Lower	Upper
96	100		
61	150.9	117.9	176.9
98	65.0	51.0	76.6

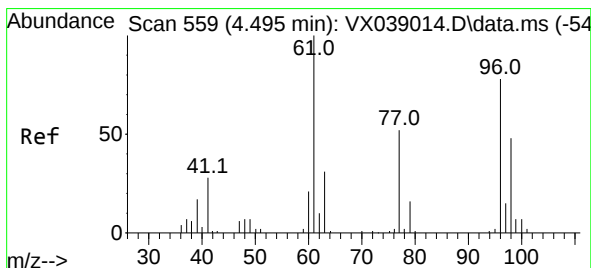
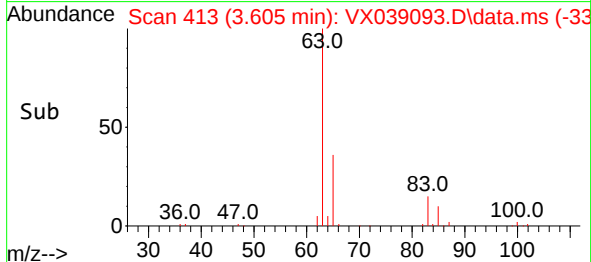
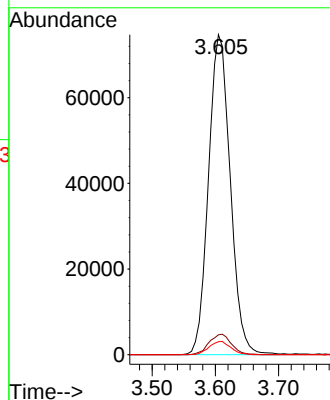
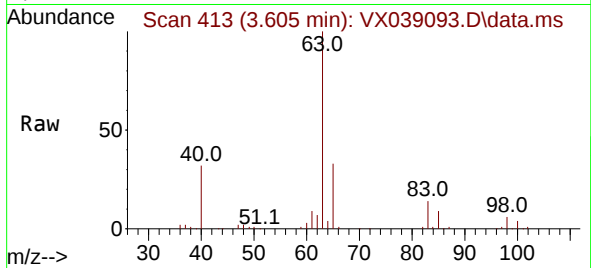




#21
1,1-Dichloroethane
Concen: 12.760 ug/l
RT: 3.605 min Scan# 41
Delta R.T. -0.006 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

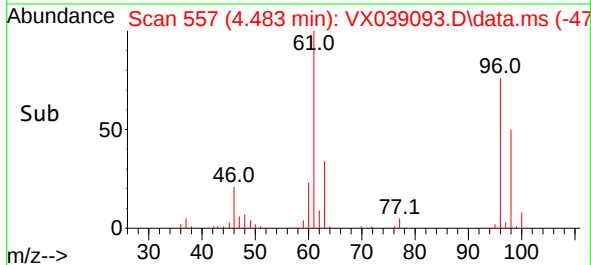
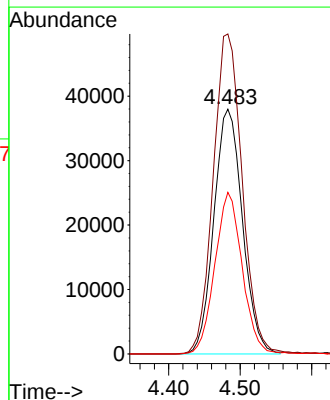
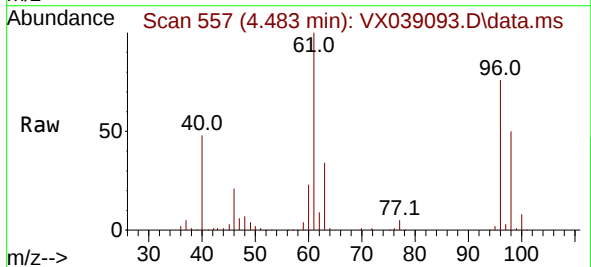
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

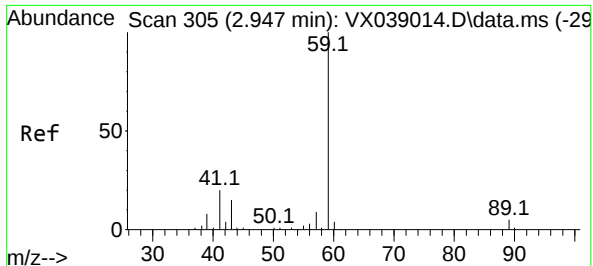
Tgt Ion: 63 Resp: 178661
Ion Ratio Lower Upper
63 100
98 6.2 2.9 8.8
100 4.1 2.0 5.8



#22
cis-1,2-Dichloroethene
Concen: 12.073 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.012 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

Tgt Ion: 96 Resp: 105485
Ion Ratio Lower Upper
96 100
61 132.8 119.8 179.6
98 63.3 50.9 76.3

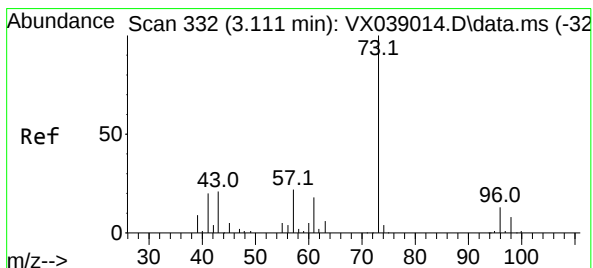
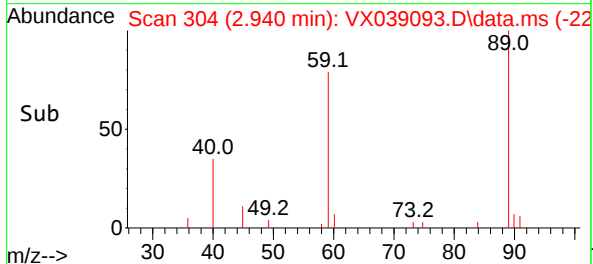
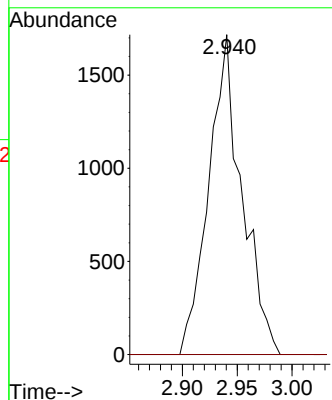
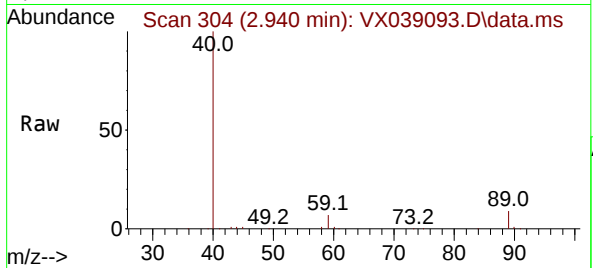




#23
tert-Butyl Alcohol
Concen: 1.286 ug/l
RT: 2.940 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

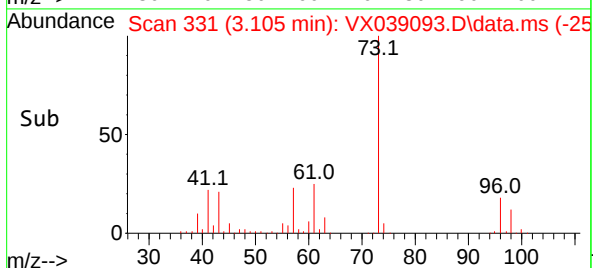
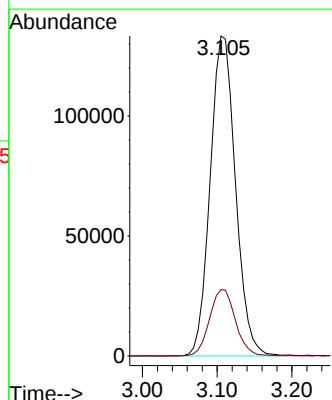
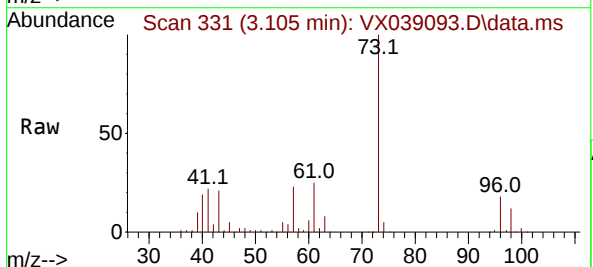
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

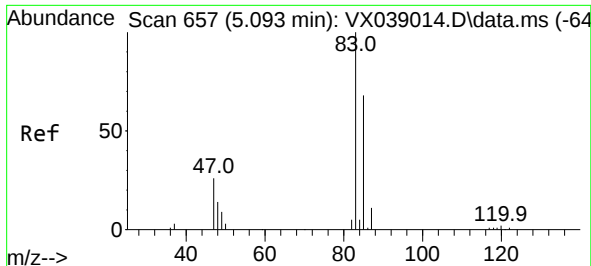
Tgt Ion: 59 Resp: 3619
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#24
Methyl tert-Butyl Ether
Concen: 12.785 ug/l
RT: 3.105 min Scan# 331
Delta R.T. -0.006 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

Tgt Ion: 73 Resp: 313959
Ion Ratio Lower Upper
73 100
43 21.1 17.0 25.6





#25

Chloroform

Concen: 12.776 ug/l

RT: 5.086 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

Instrument :

MSVOA_X

ClientSampleId :

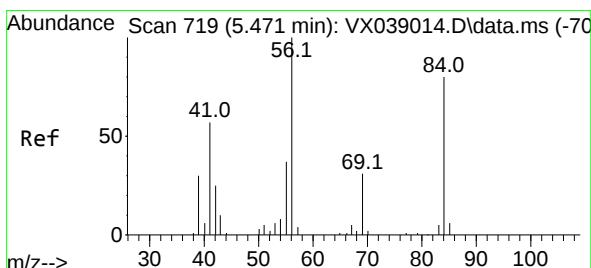
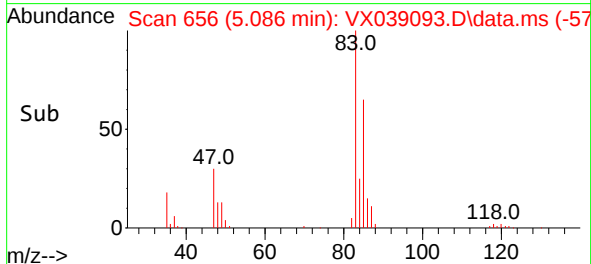
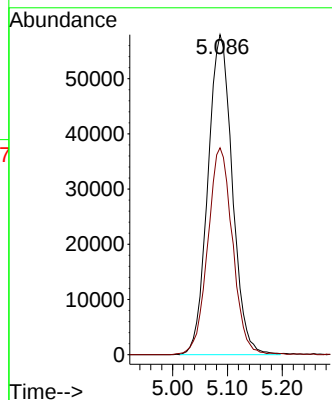
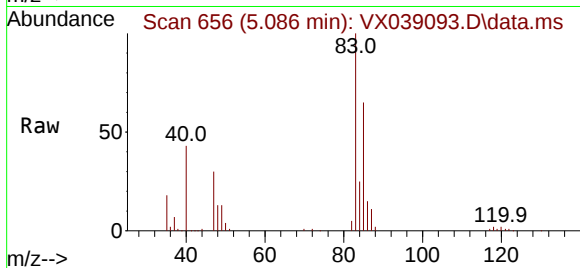
VSTDCCC050

Tgt Ion: 83 Resp: 179545

Ion Ratio Lower Upper

83 100

85 64.3 54.6 81.8



#26

Cyclohexane

Concen: 13.796 ug/l

RT: 5.464 min Scan# 718

Delta R.T. -0.006 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

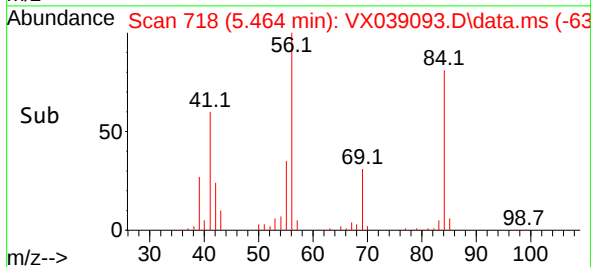
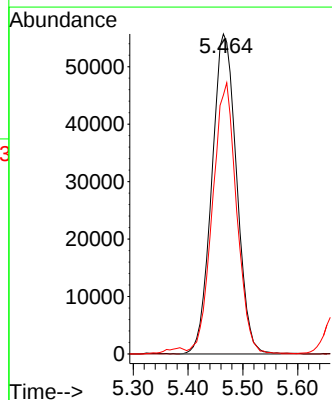
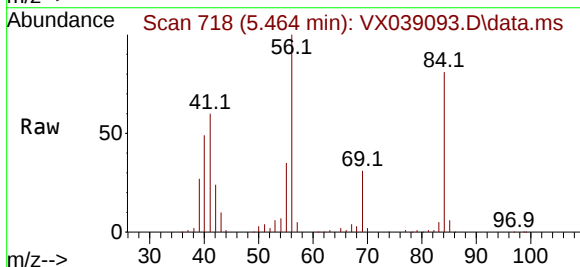
Tgt Ion: 56 Resp: 174834

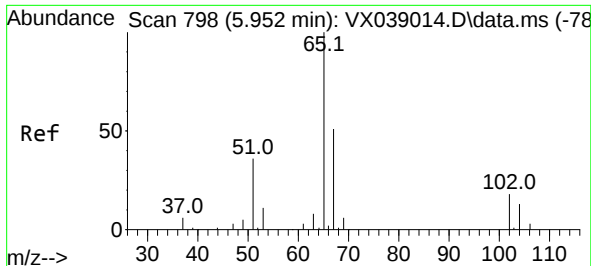
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 81.9 67.2 100.8

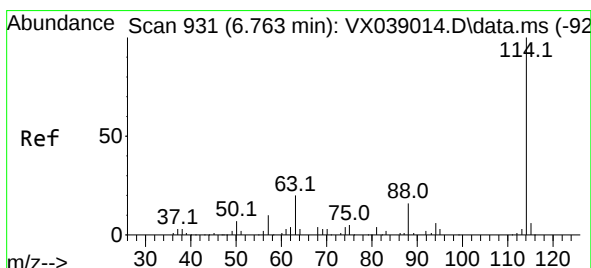
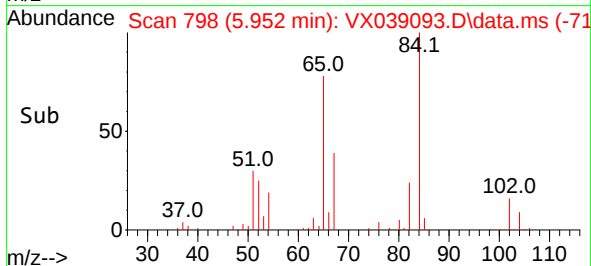
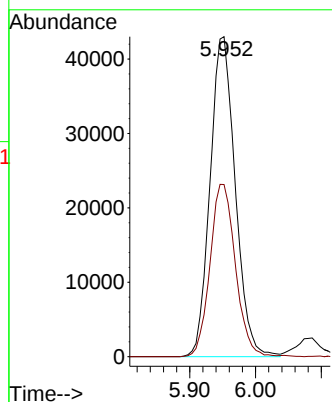
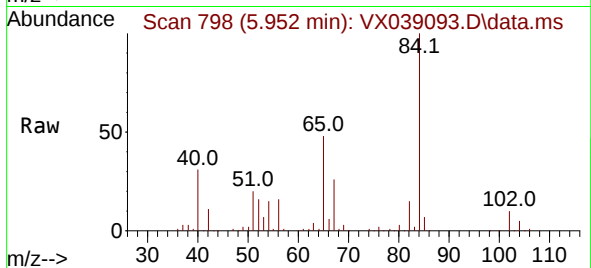




#27
 1,2-Dichloroethane-d4
 Concen: 17.101 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX039093.D
 Acq: 08 Dec 2023 09:40

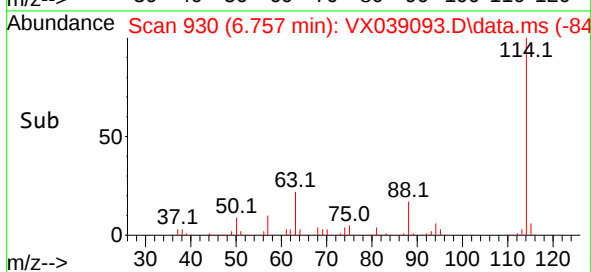
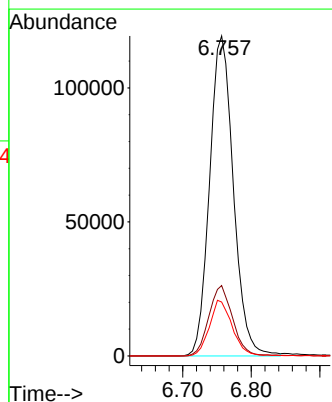
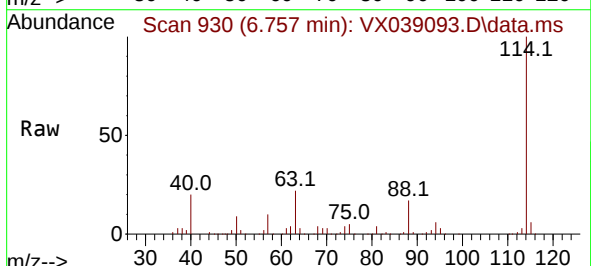
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

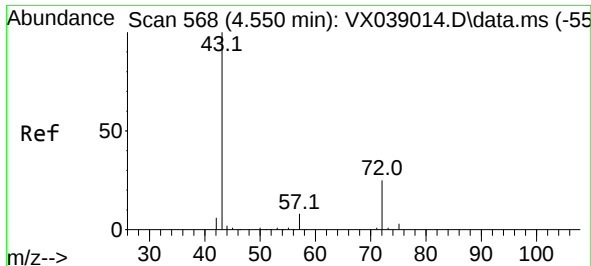
Tgt Ion: 65 Resp: 114656
 Ion Ratio Lower Upper
 65 100
 67 54.2 42.5 63.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.006 min
 Lab File: VX039093.D
 Acq: 08 Dec 2023 09:40

Tgt Ion: 114 Resp: 287868
 Ion Ratio Lower Upper
 114 100
 63 21.9 17.0 25.4
 88 16.6 12.7 19.1

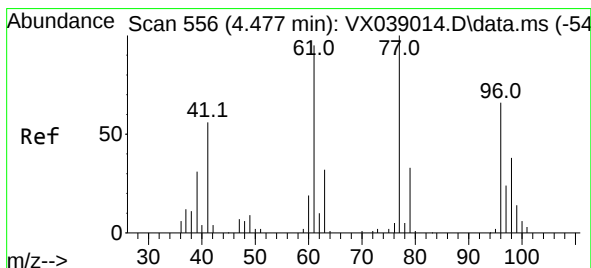
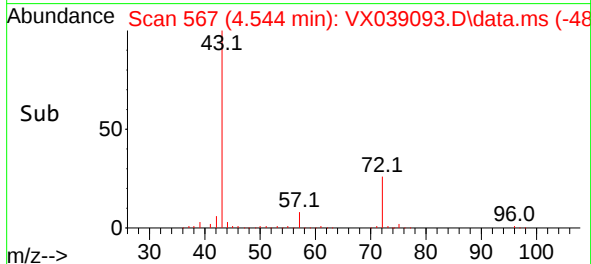
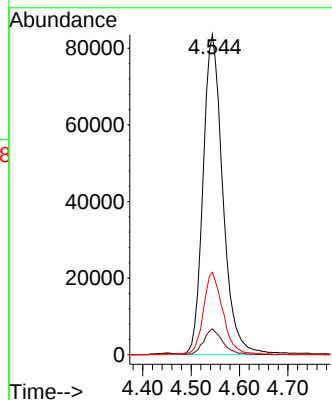
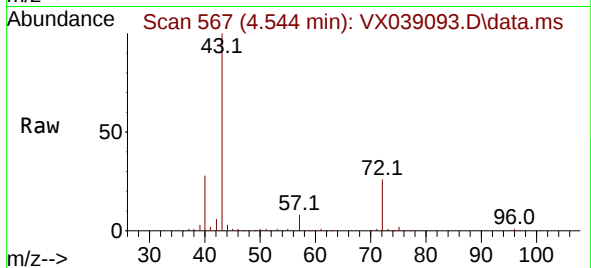




#30
2-Butanone
Concen: 39.136 ug/l
RT: 4.544 min Scan# 50
Delta R.T. -0.006 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

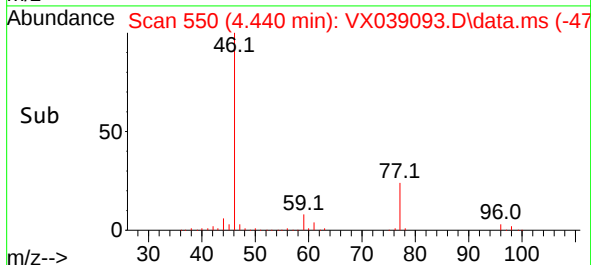
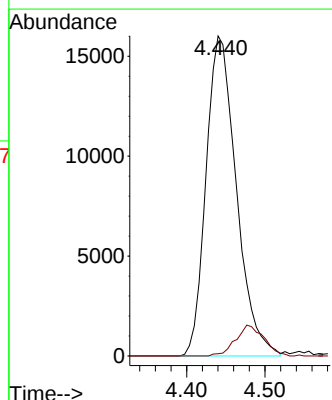
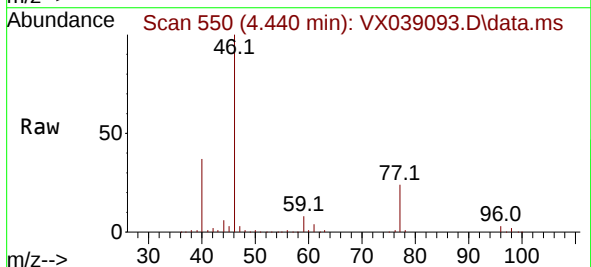
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

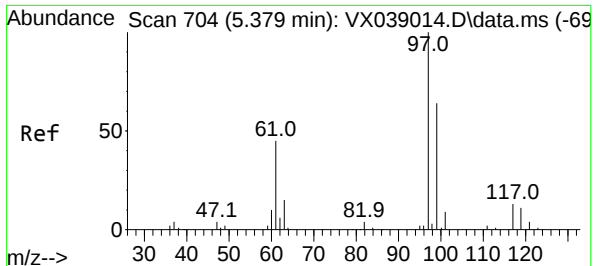
Tgt Ion: 43 Resp: 237776
Ion Ratio Lower Upper
43 100
57 7.8 6.6 10.0
72 25.6 20.6 31.0



#31
2,2-Dichloropropane
Concen: 4.664 ug/l
RT: 4.440 min Scan# 550
Delta R.T. -0.037 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

Tgt Ion: 77 Resp: 43029
Ion Ratio Lower Upper
77 100
97 9.0 18.2 27.4#

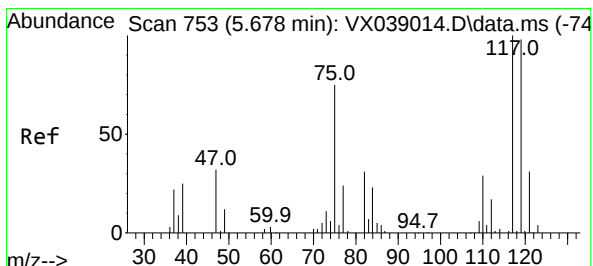
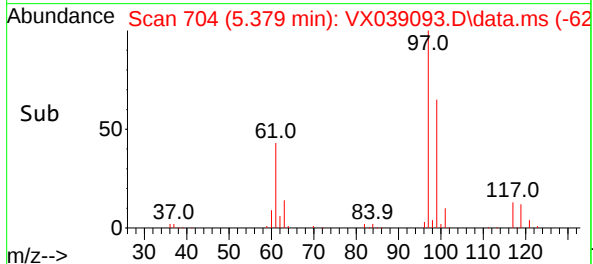
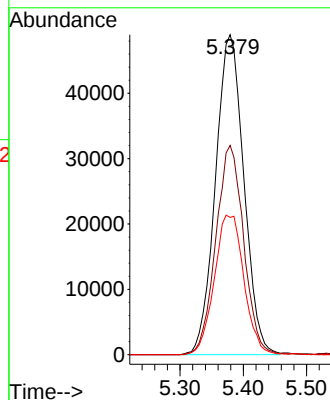
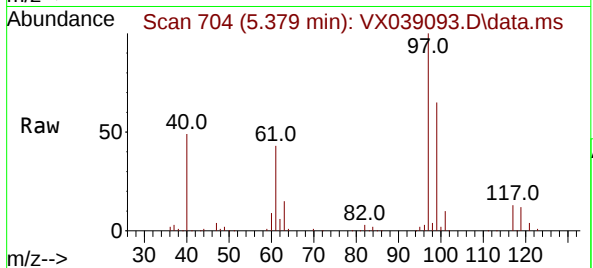




#32
1,1,1-Trichloroethane
Concen: 16.369 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

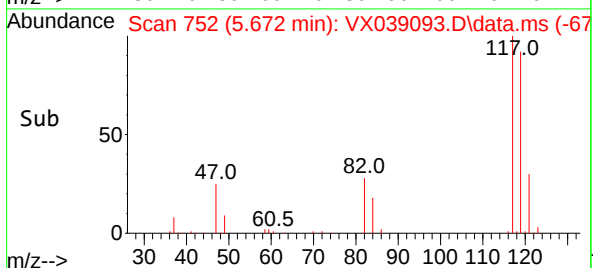
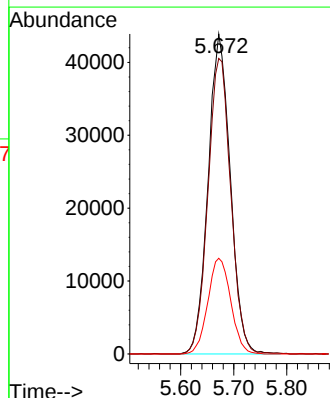
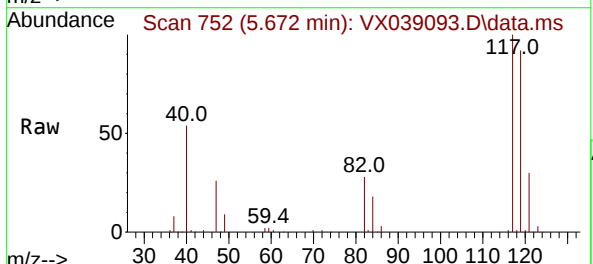
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

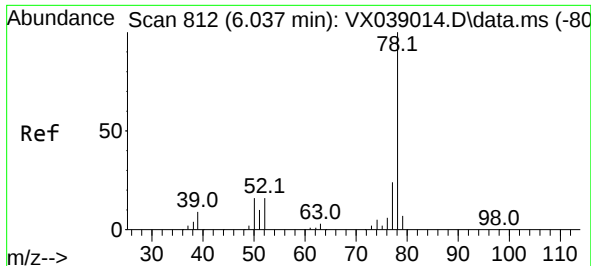
Tgt Ion: 97 Resp: 152675
Ion Ratio Lower Upper
97 100
99 64.0 52.6 79.0
61 45.4 36.9 55.3



#33
Carbon Tetrachloride
Concen: 16.245 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.006 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

Tgt Ion: 117 Resp: 127631
Ion Ratio Lower Upper
117 100
119 92.3 78.2 117.4
121 29.9 24.7 37.1

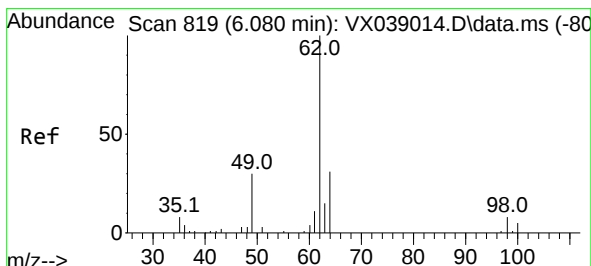
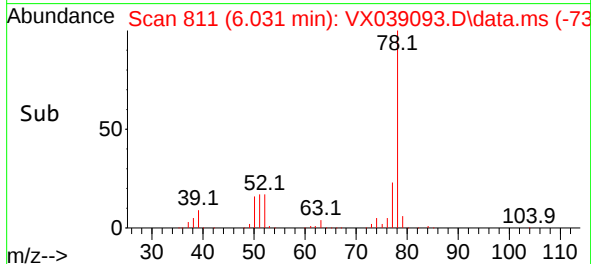
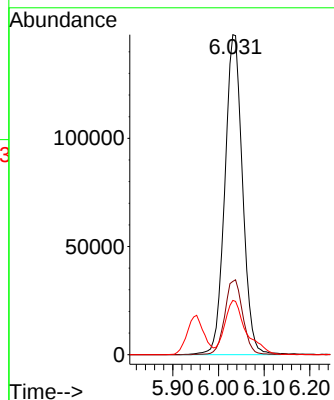
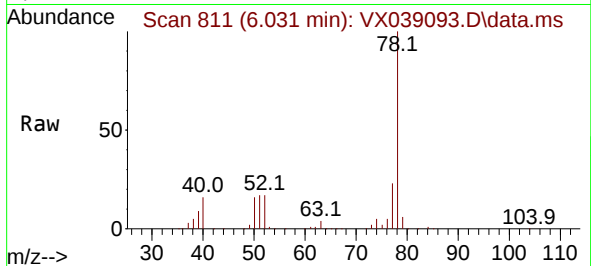




#34
Benzene
Concen: 16.944 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.006 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

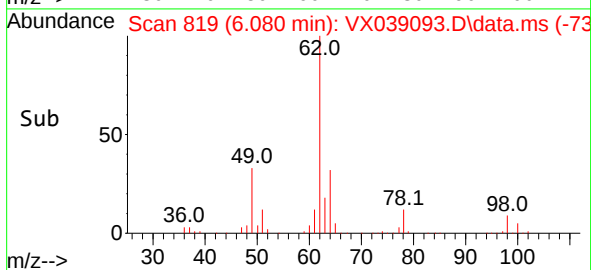
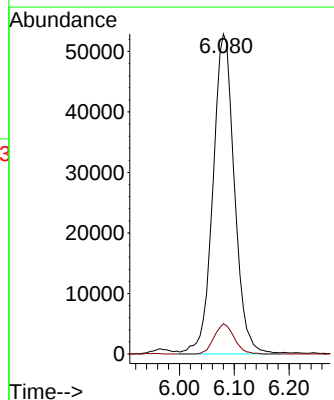
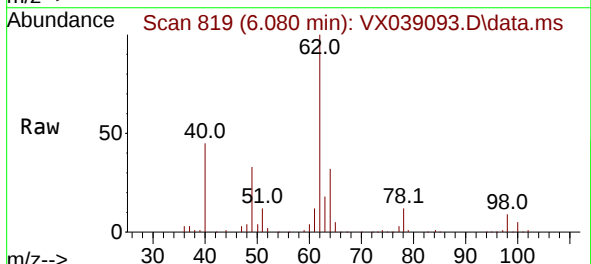
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

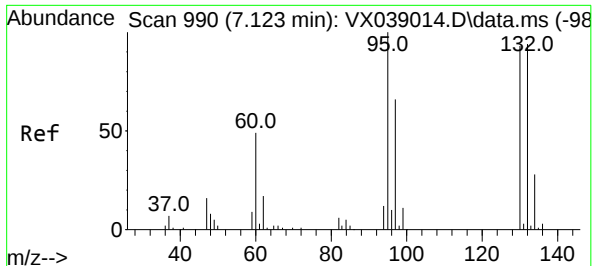
Tgt Ion: 78 Resp: 398325
Ion Ratio Lower Upper
78 100
77 22.9 19.3 28.9
51 16.8 14.4 21.6



#36
1,2-Dichloroethane
Concen: 16.699 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

Tgt Ion: 62 Resp: 144039
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.4





#37

Trichloroethene

Concen: 16.584 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

Instrument :

MSVOA_X

ClientSampleId :

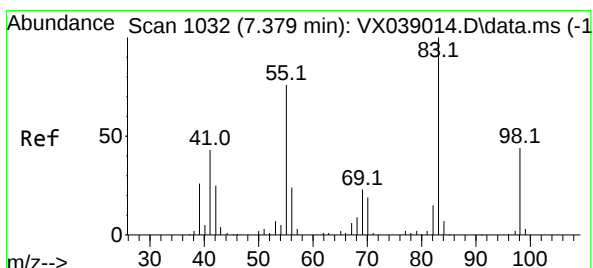
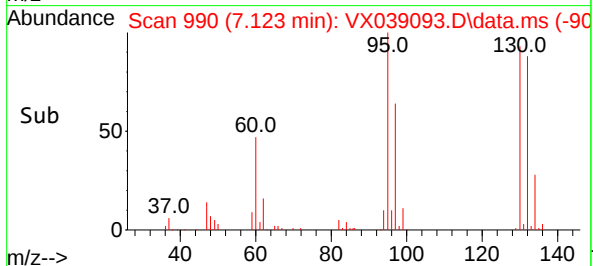
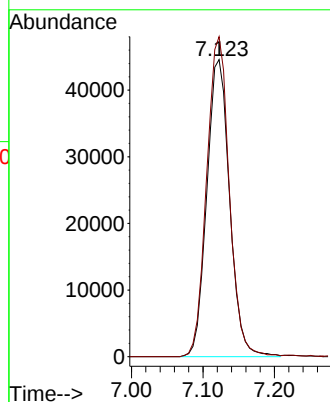
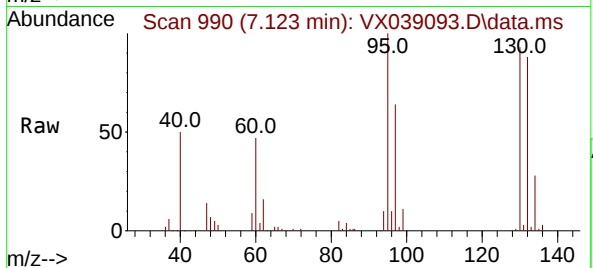
VSTDCCC050

Tgt Ion:130 Resp: 98946

Ion Ratio Lower Upper

130 100

95 107.7 85.8 128.8



#38

Methylcyclohexane

Concen: 17.426 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.006 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

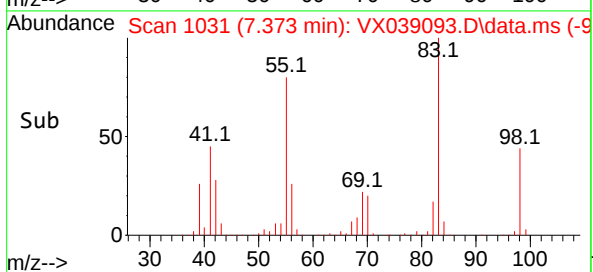
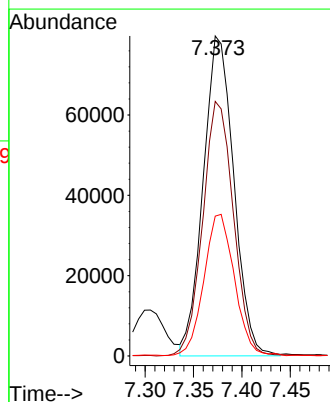
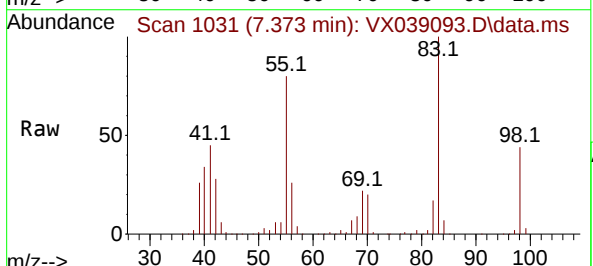
Tgt Ion: 83 Resp: 175215

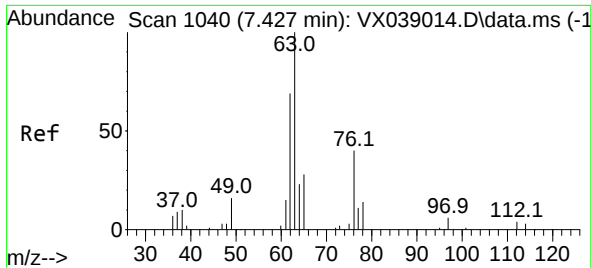
Ion Ratio Lower Upper

83 100

55 80.2 38.6 116.0

98 44.3 22.3 66.8





#39

1,2-Dichloropropane

Concen: 17.696 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

Instrument :

MSVOA_X

ClientSampleId :

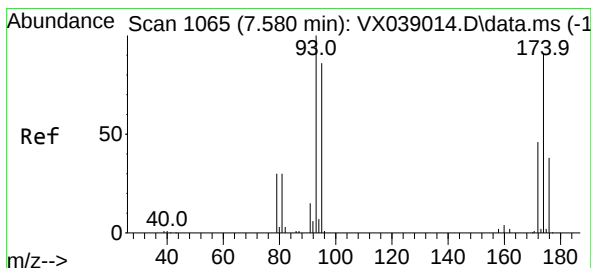
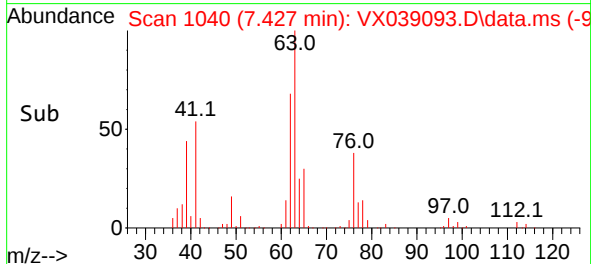
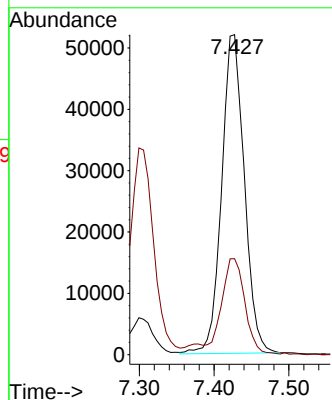
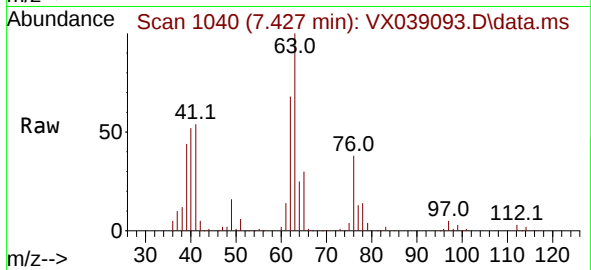
VSTDCCC050

Tgt Ion: 63 Resp: 109712

Ion Ratio Lower Upper

63 100

65 30.0 24.6 37.0



#40

Dibromomethane

Concen: 0.231 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

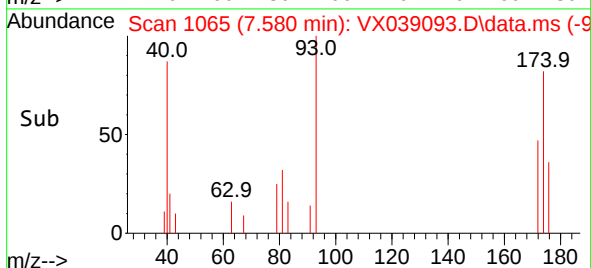
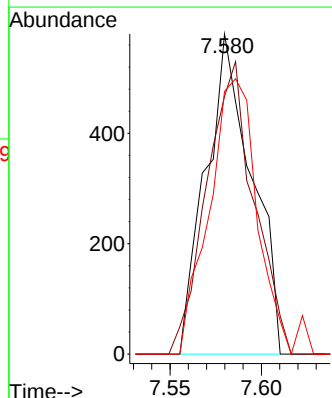
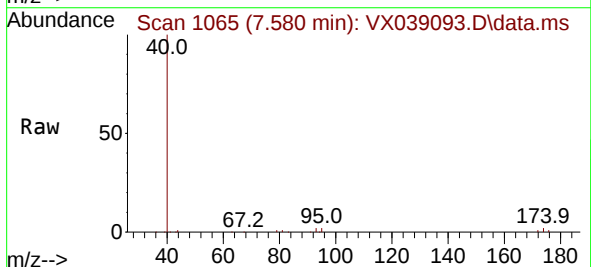
Tgt Ion: 93 Resp: 1012

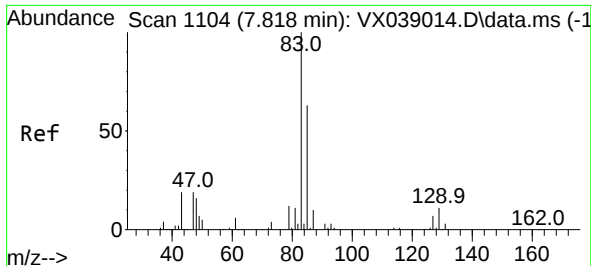
Ion Ratio Lower Upper

93 100

95 94.5 0.0 163.4

174 89.4 0.0 166.4

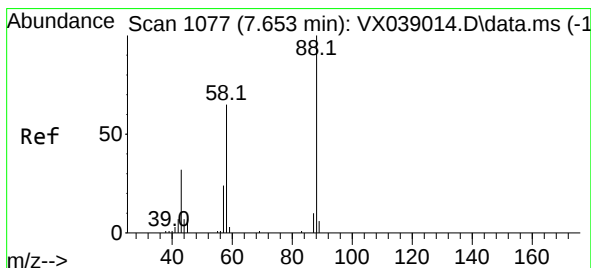
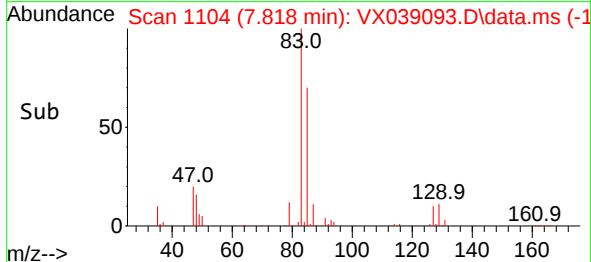
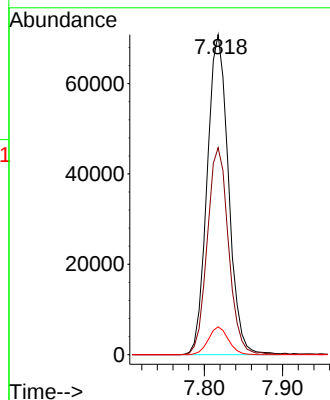
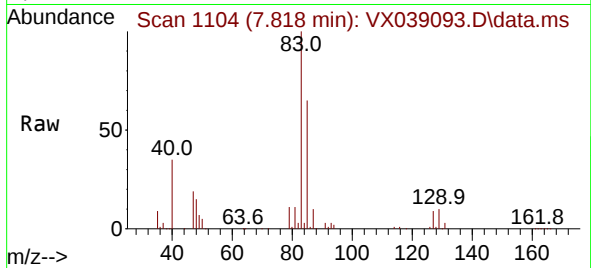




#41
Bromodichloromethane
Concen: 15.909 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

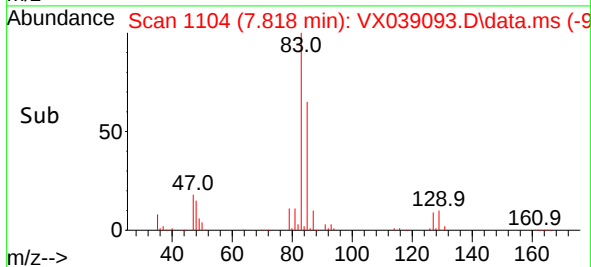
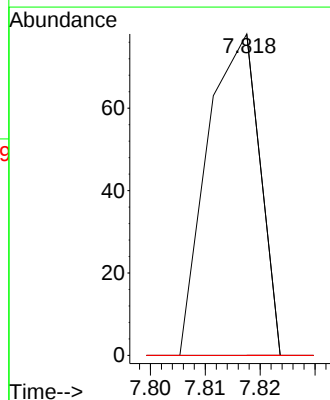
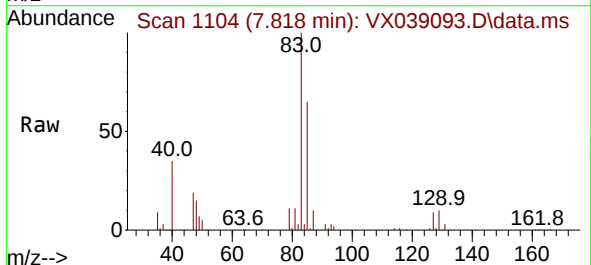
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

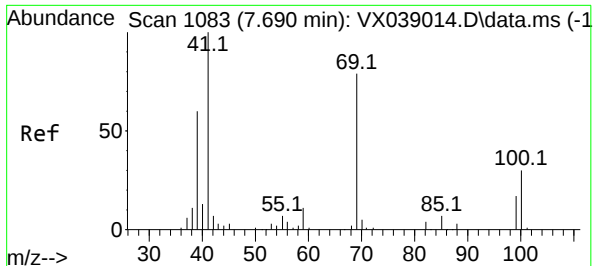
Tgt Ion: 83 Resp: 133879
Ion Ratio Lower Upper
83 100
85 64.7 50.8 76.2
127 8.7 5.9 8.9



#45
1,4-Dioxane
Concen: 0.309 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.164 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 109.6 28.1 42.1#
58 0.0 57.7 86.5#

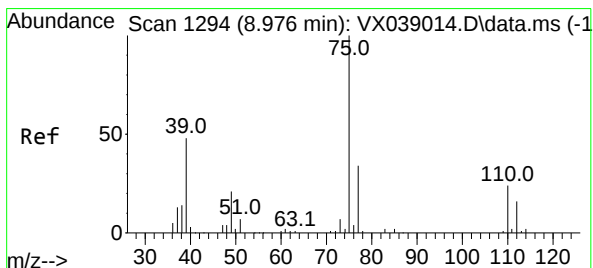
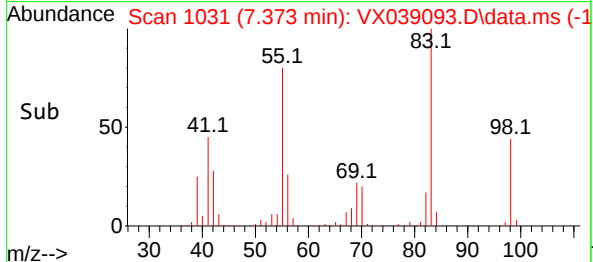
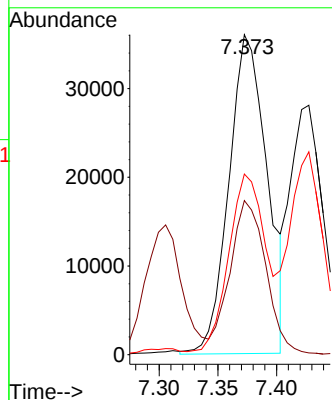
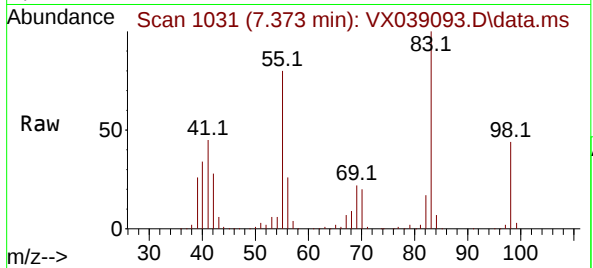




#46
Methyl methacrylate
Concen: 8.642 ug/l
RT: 7.373 min Scan# 1083
Delta R.T. -0.317 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

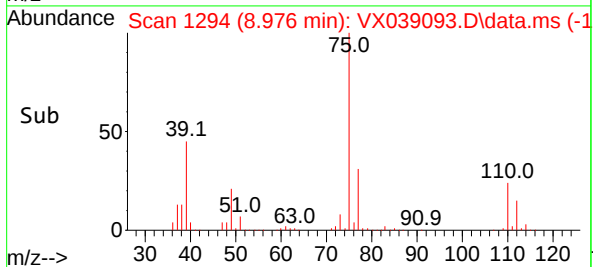
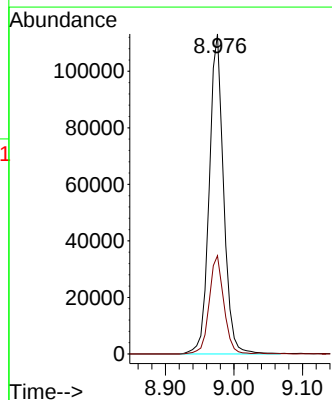
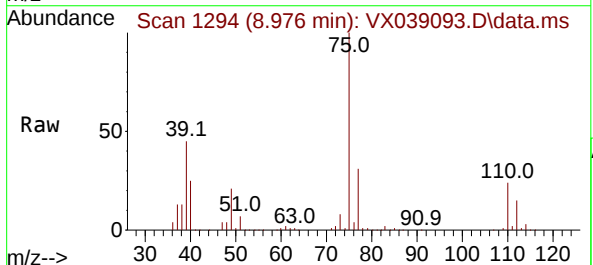
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

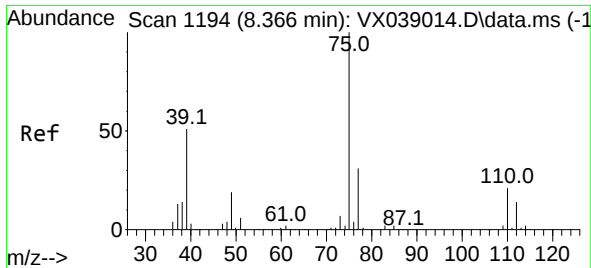
Tgt Ion: 41 Resp: 81417
Ion Ratio Lower Upper
41 100
69 41.0 39.6 118.8
39 55.9 30.1 90.3



#48
t-1,3-Dichloropropene
Concen: 16.943 ug/l
RT: 8.976 min Scan# 1294
Delta R.T. -0.000 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

Tgt Ion: 75 Resp: 165330
Ion Ratio Lower Upper
75 100
77 30.7 26.8 40.2





#49

cis-1,3-Dichloropropene

Concen: 17.602 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.006 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

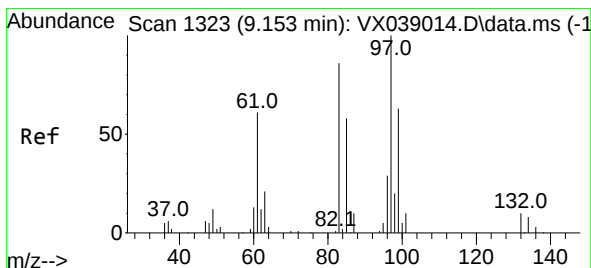
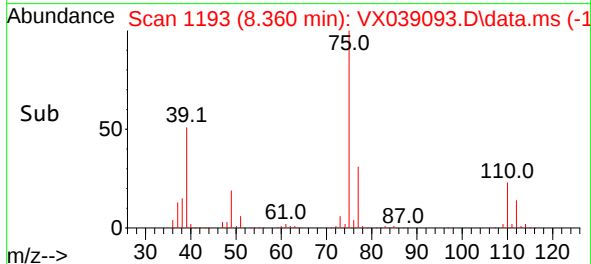
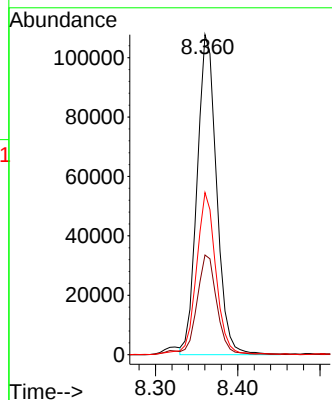
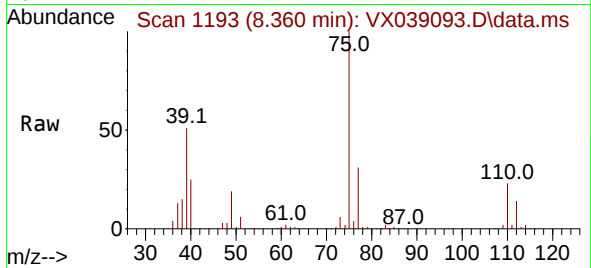
Tgt Ion: 75 Resp: 177180

Ion Ratio Lower Upper

75 100

77 31.1 24.4 36.6

39 50.6 40.6 60.8



#50

1,1,2-Trichloroethane

Concen: 17.151 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. -0.006 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

Tgt Ion: 97 Resp: 102055

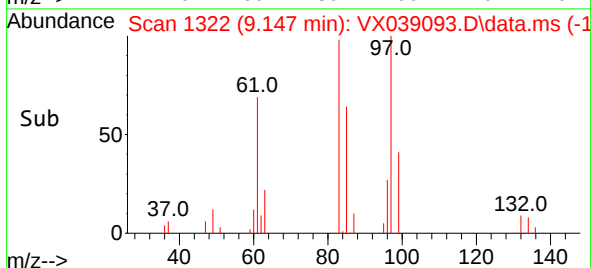
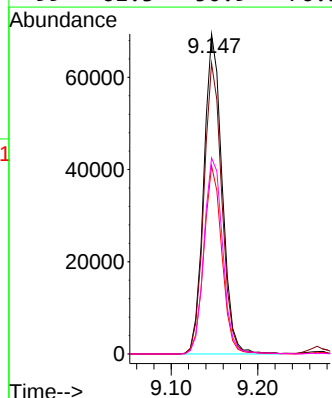
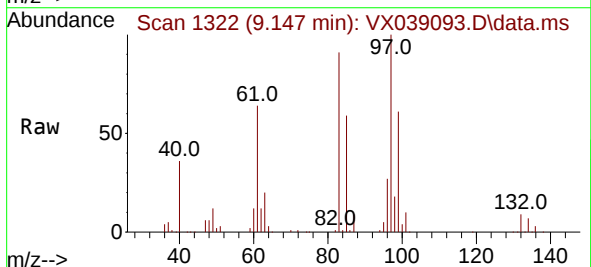
Ion Ratio Lower Upper

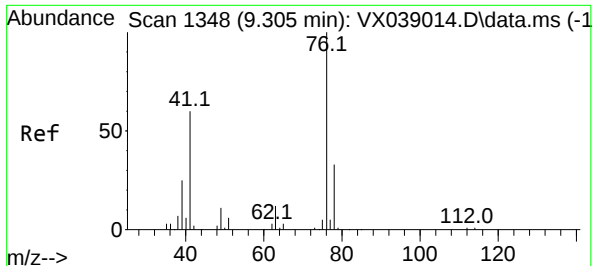
97 100

83 90.8 69.0 103.6

85 58.8 46.3 69.5

99 61.3 50.9 76.3





#52

1,3-Dichloropropane

Concen: 1.325 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. 0.073 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

Instrument :

MSVOA_X

ClientSampleId :

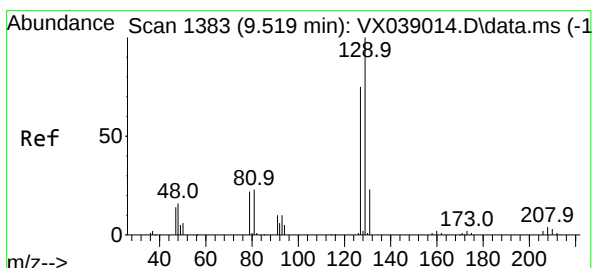
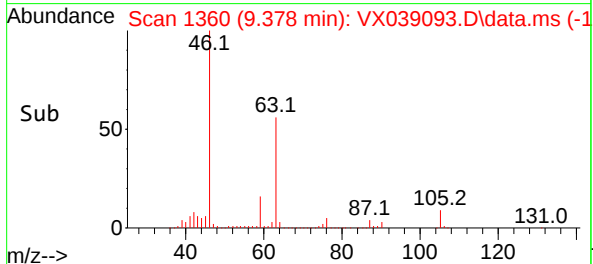
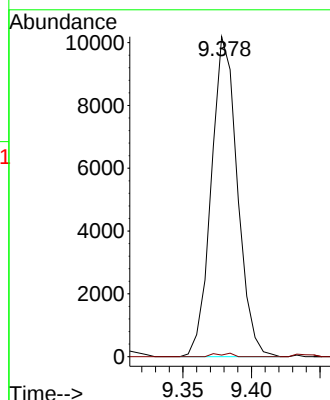
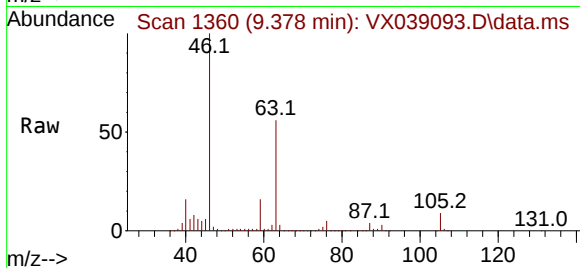
VSTDCCC050

Tgt Ion: 76 Resp: 13518

Ion Ratio Lower Upper

76 100

78 0.7 0.0 65.0



#53

Dibromochloromethane

Concen: 15.785 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX039093.D

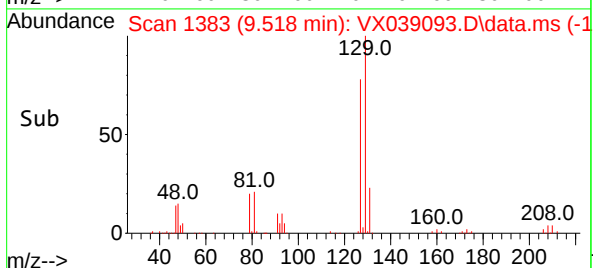
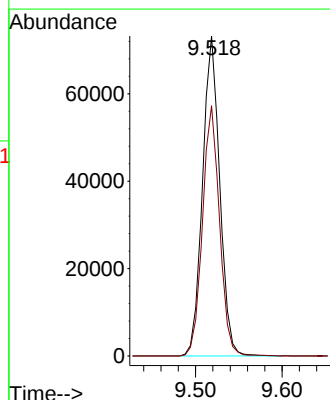
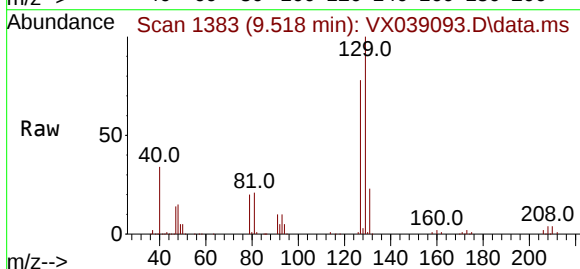
Acq: 08 Dec 2023 09:40

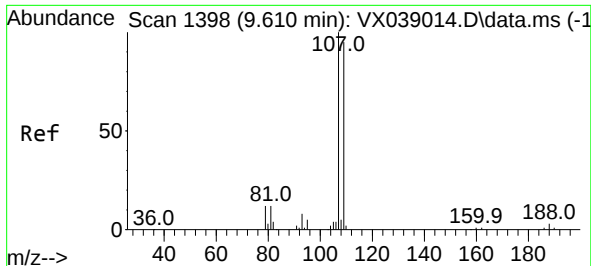
Tgt Ion: 129 Resp: 100876

Ion Ratio Lower Upper

129 100

127 77.2 38.3 114.9





#54

1,2-Dibromoethane

Concen: 16.465 ug/l

RT: 9.604 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

Instrument :

MSVOA_X

ClientSampleId :

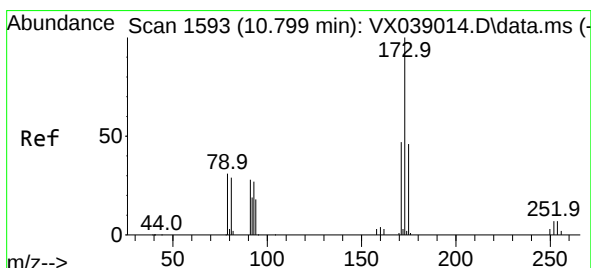
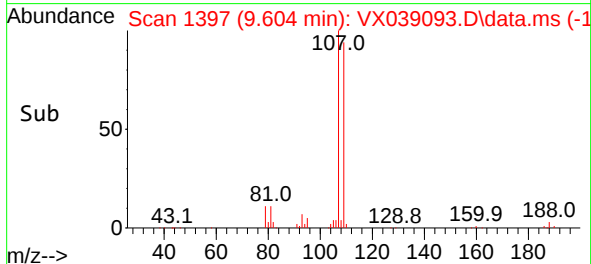
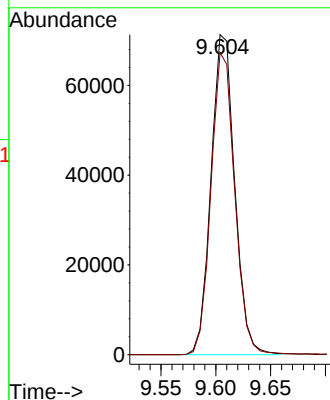
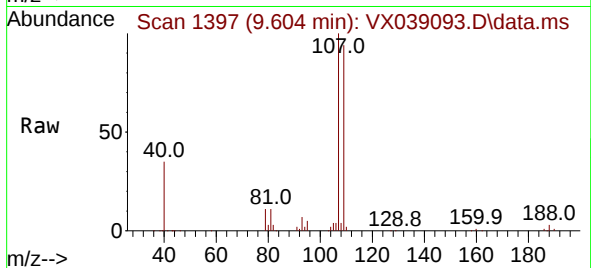
VSTDCCC050

Tgt Ion:107 Resp: 107441

Ion Ratio Lower Upper

107 100

109 94.3 75.1 112.7



#56

Bromoform

Concen: 16.175 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

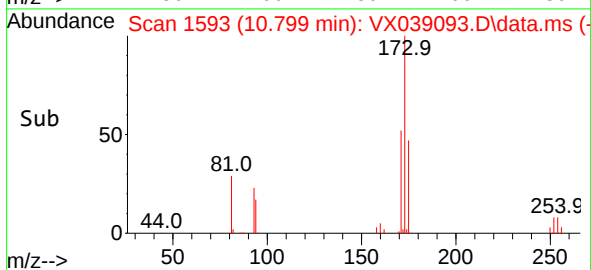
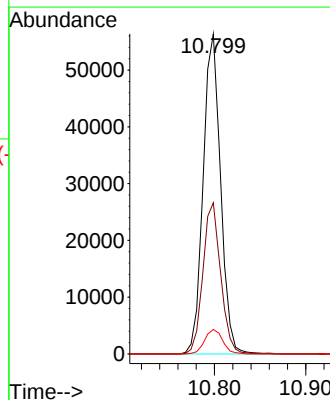
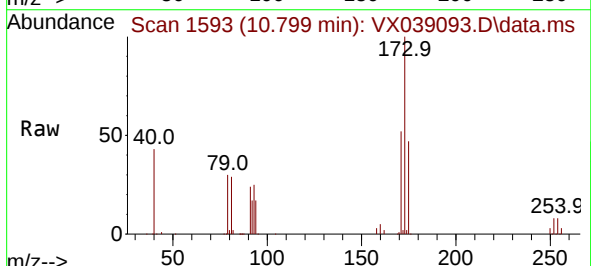
Tgt Ion:173 Resp: 74604

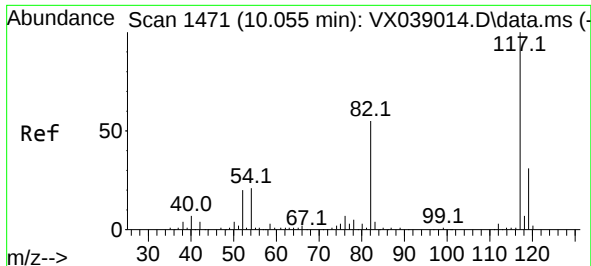
Ion Ratio Lower Upper

173 100

175 48.0 37.6 56.4

254 7.9 5.8 8.8





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.049 min Scan# 1471

Delta R.T. -0.006 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

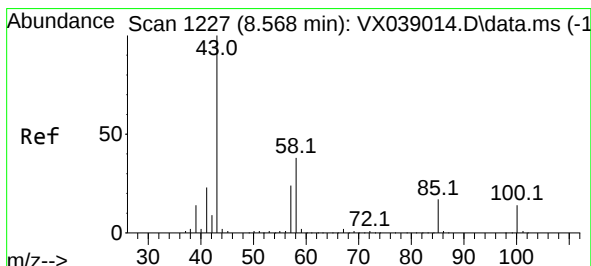
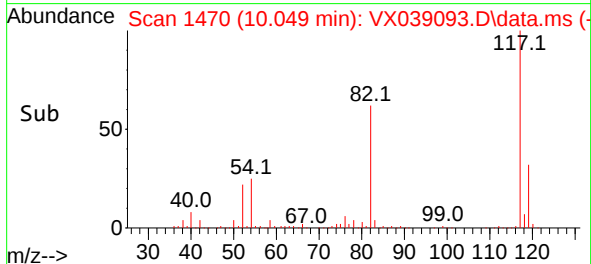
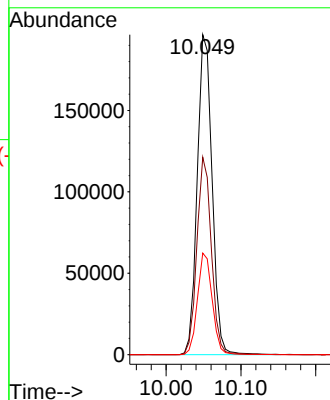
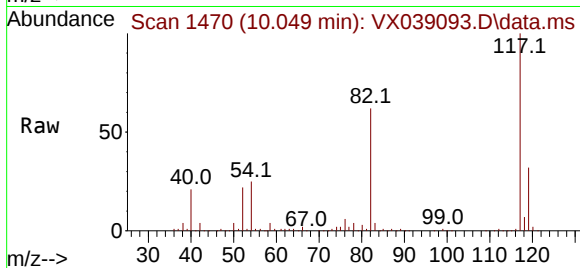
Tgt Ion:117 Resp: 271141

Ion Ratio Lower Upper

117 100

82 59.9 47.0 70.6

119 31.4 25.2 37.8



#58

4-Methyl-2-Pentanone

Concen: 43.853 ug/l

RT: 8.567 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

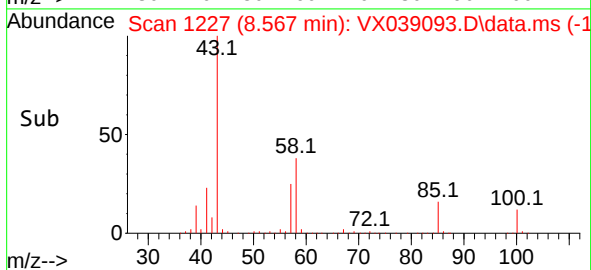
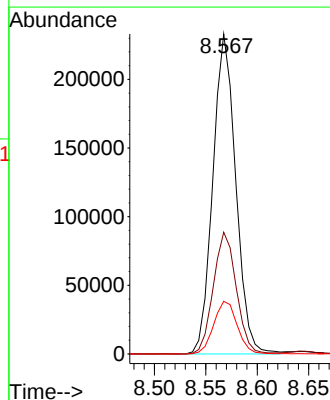
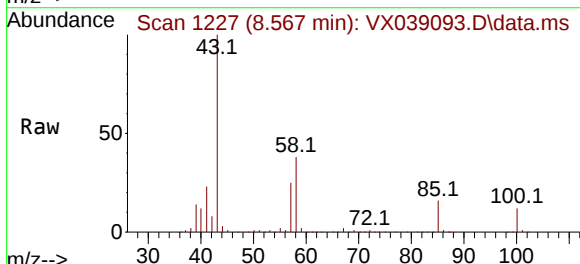
Tgt Ion: 43 Resp: 360572

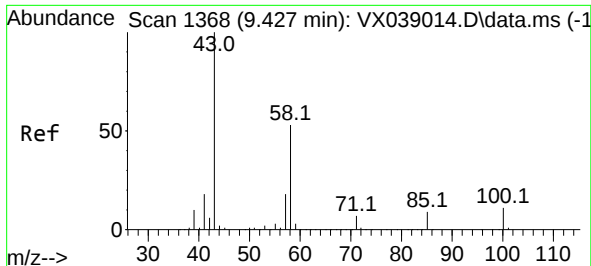
Ion Ratio Lower Upper

43 100

58 38.2 30.1 45.1

85 17.0 13.9 20.9





#59

2-Hexanone

Concen: 47.404 ug/l

RT: 9.427 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

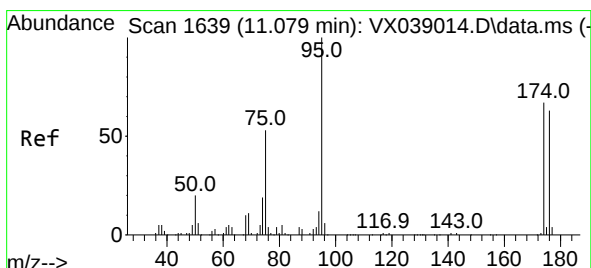
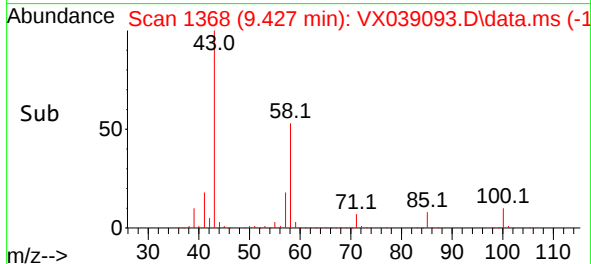
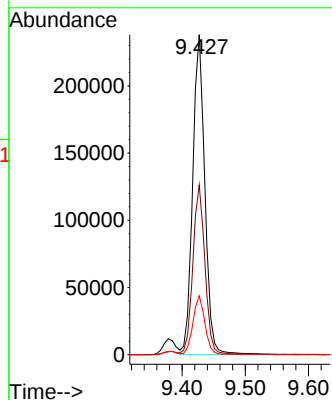
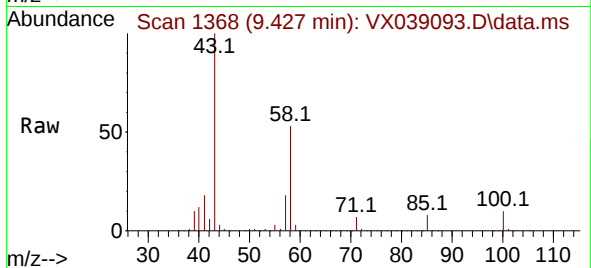
Tgt Ion: 43 Resp: 319937

Ion Ratio Lower Upper

43 100

58 52.1 42.7 64.1

57 18.1 14.8 22.2



#60

4-Bromofluorobenzene

Concen: 0.160 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

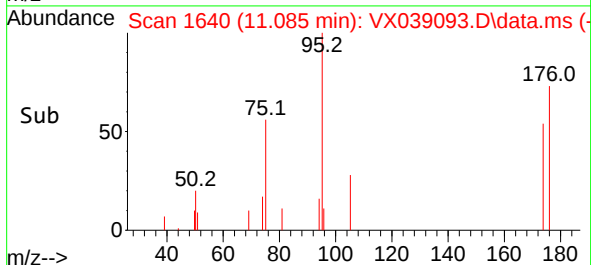
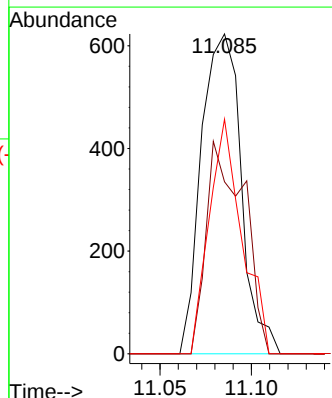
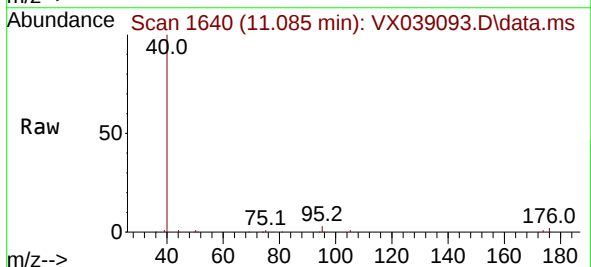
Tgt Ion: 95 Resp: 946

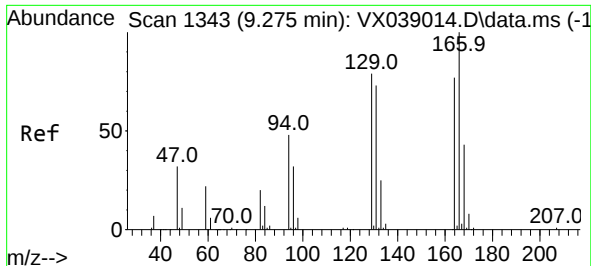
Ion Ratio Lower Upper

95 100

174 46.5 55.4 83.2#

176 60.1 52.6 78.8

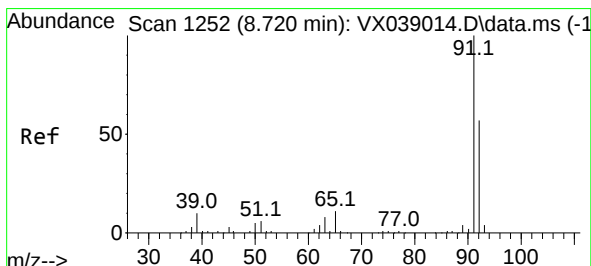
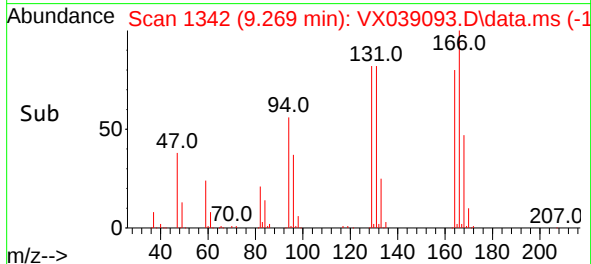
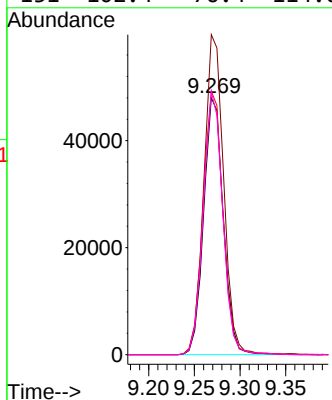
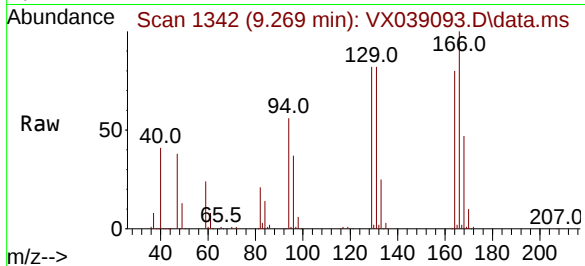




#61
Tetrachloroethene
Concen: 20.304 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

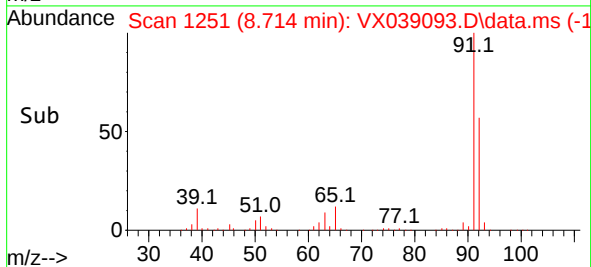
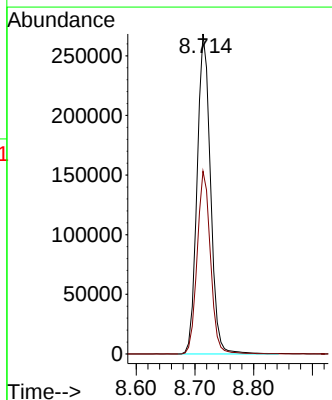
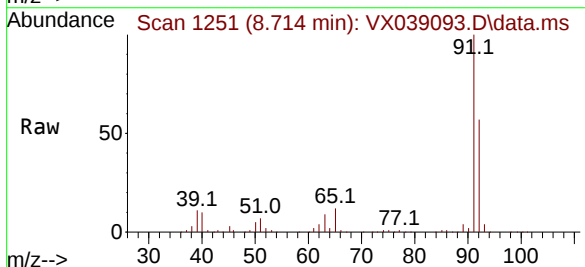
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

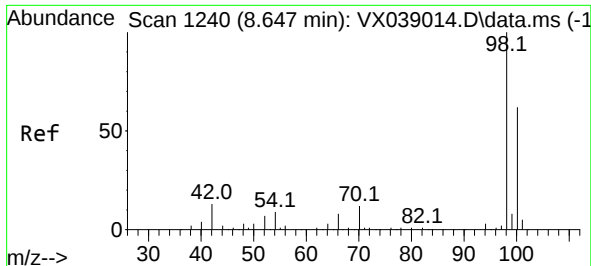
Tgt Ion:164 Resp: 71578
Ion Ratio Lower Upper
164 100
166 124.6 104.0 156.0
129 102.6 82.0 123.0
131 102.4 76.4 114.6



#62
Toluene
Concen: 22.098 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

Tgt Ion: 91 Resp: 425384
Ion Ratio Lower Upper
91 100
92 56.6 45.9 68.9

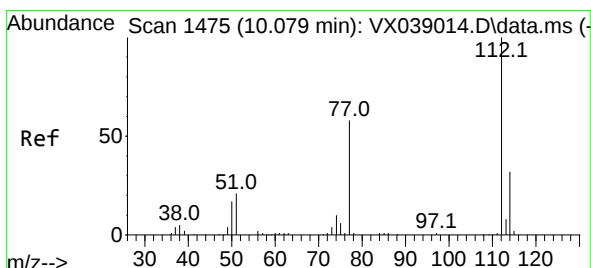
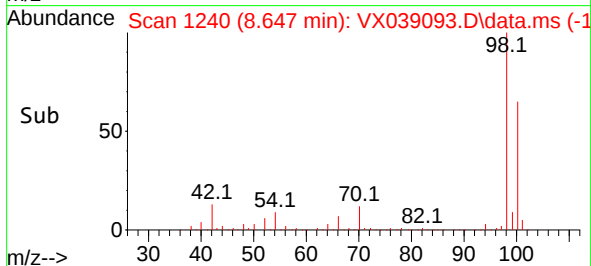
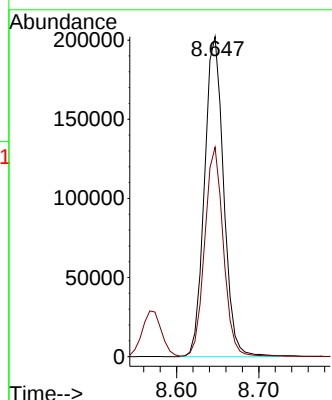
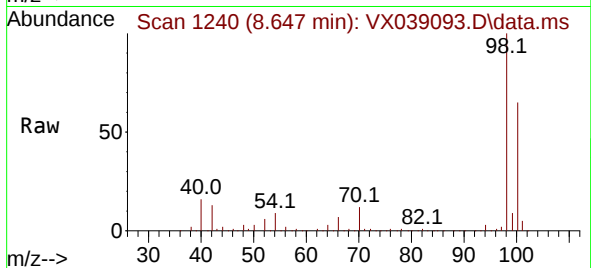




#63
Toluene-d8
Concen: 30.488 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

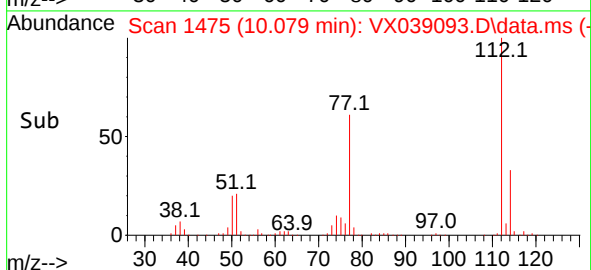
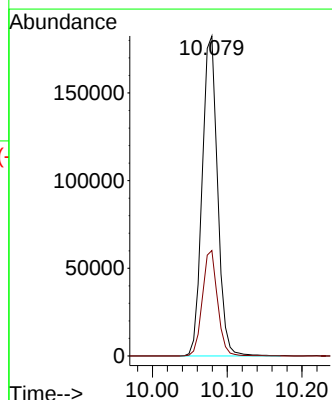
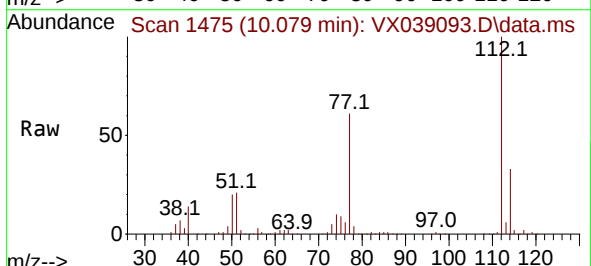
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

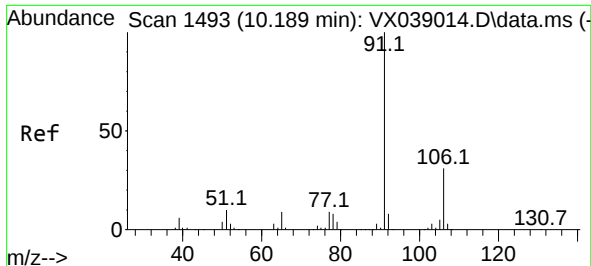
Tgt Ion: 98 Resp: 326834
Ion Ratio Lower Upper
98 100
100 63.6 51.0 76.4



#64
Chlorobenzene
Concen: 22.271 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

Tgt Ion: 112 Resp: 260781
Ion Ratio Lower Upper
112 100
114 32.9 25.9 38.9

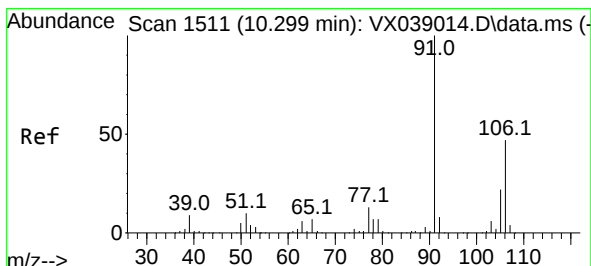
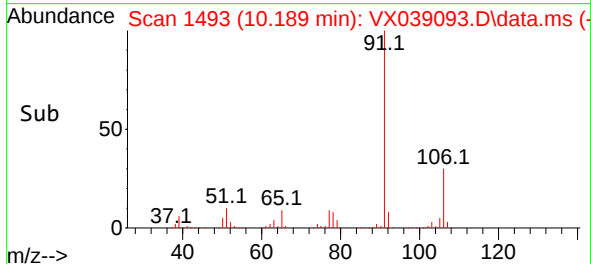
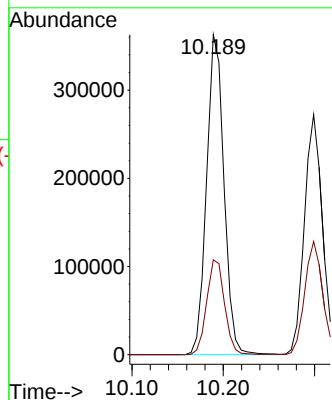
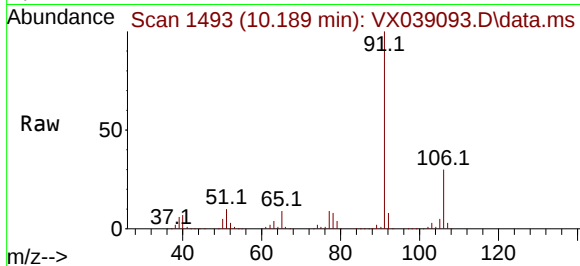




#66
Ethyl Benzene
Concen: 21.852 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

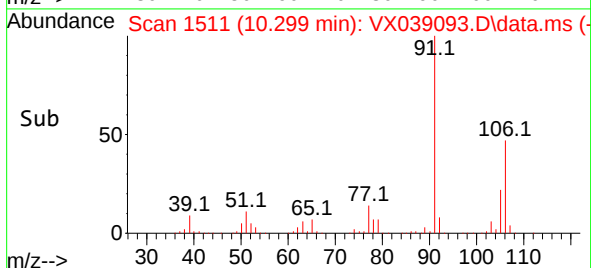
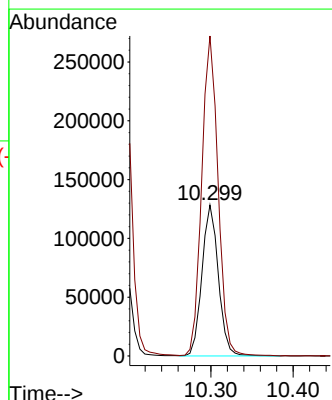
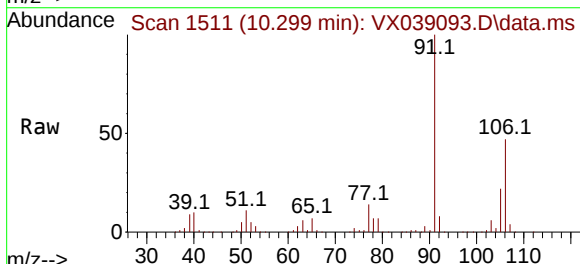
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

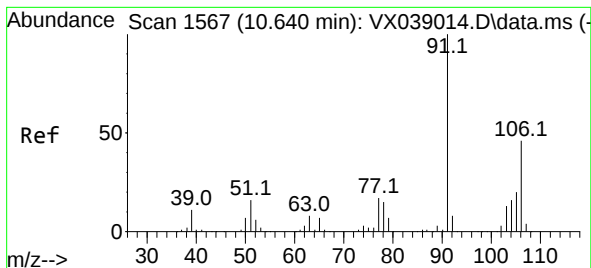
Tgt Ion: 91 Resp: 478987
Ion Ratio Lower Upper
91 100
106 29.7 24.4 36.6



#67
m/p-Xylenes
Concen: 21.945 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

Tgt Ion: 106 Resp: 177752
Ion Ratio Lower Upper
106 100
91 211.5 169.4 254.0





#68

o-Xylene

Concen: 21.708 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

Instrument :

MSVOA_X

ClientSampleId :

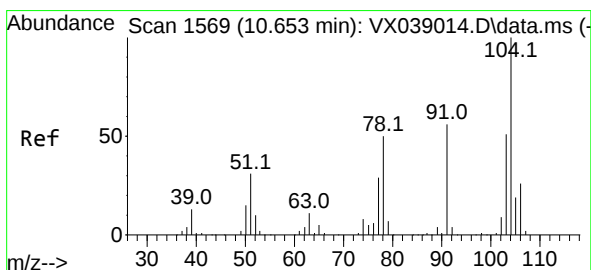
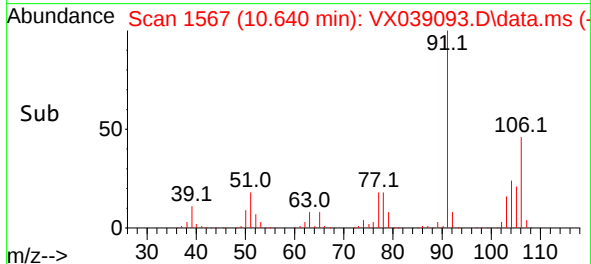
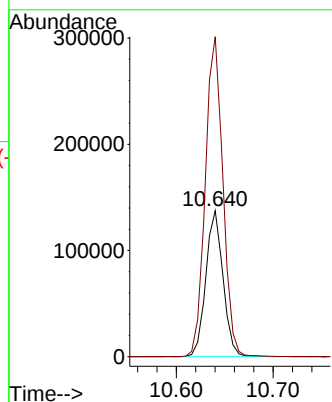
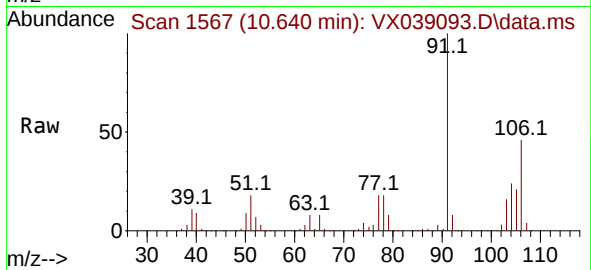
VSTDCCC050

Tgt Ion:106 Resp: 170319

Ion Ratio Lower Upper

106 100

91 224.6 111.2 333.6



#69

Styrene

Concen: 25.292 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

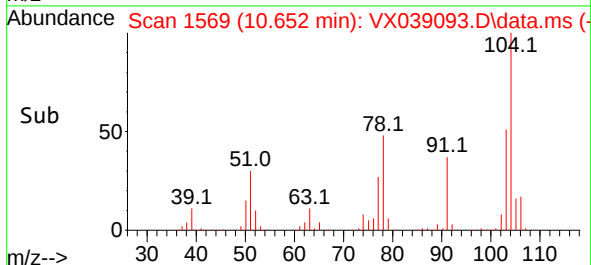
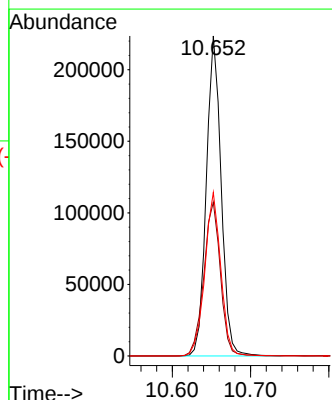
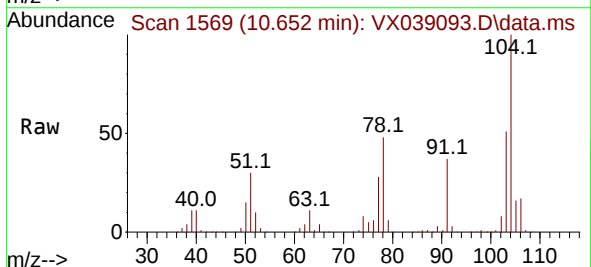
Tgt Ion:104 Resp: 293690

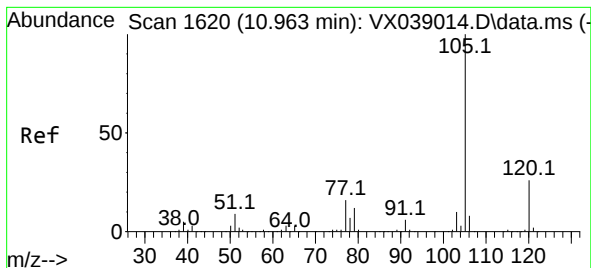
Ion Ratio Lower Upper

104 100

78 53.8 43.7 65.5

103 55.1 44.6 67.0





#70

Isopropylbenzene

Concen: 22.147 ug/l

RT: 10.957 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

Instrument :

MSVOA_X

ClientSampleId :

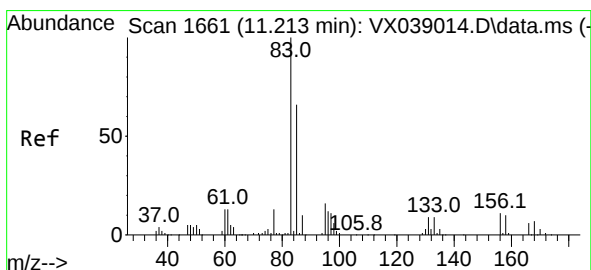
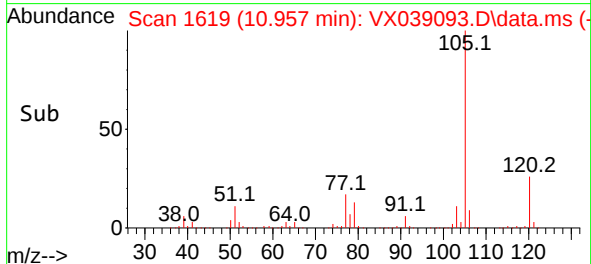
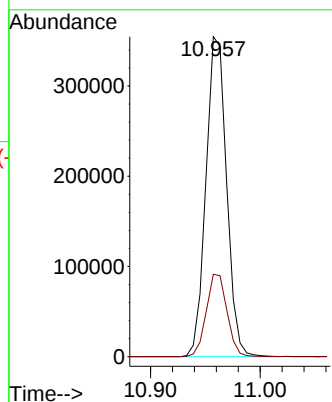
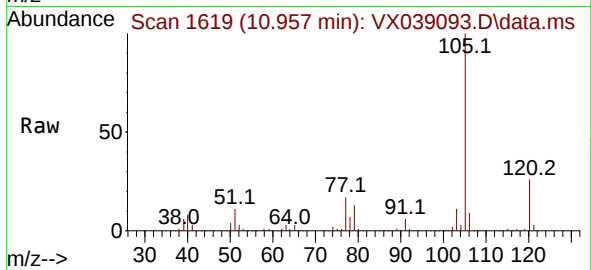
VSTDCCC050

Tgt Ion:105 Resp: 464924

Ion Ratio Lower Upper

105 100

120 25.9 18.5 34.3



#71

1,1,2,2-Tetrachloroethane

Concen: 22.160 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. -0.006 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

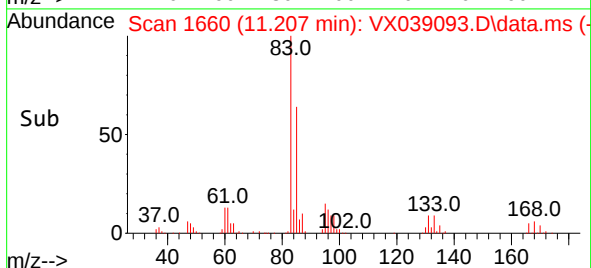
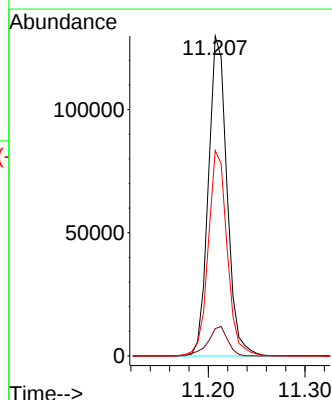
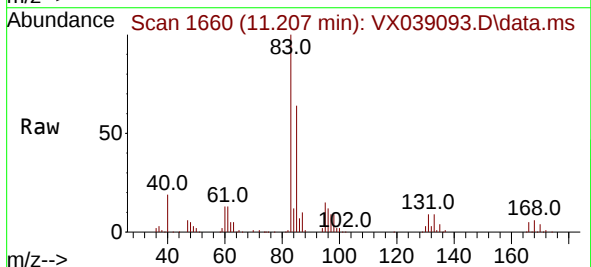
Tgt Ion: 83 Resp: 173663

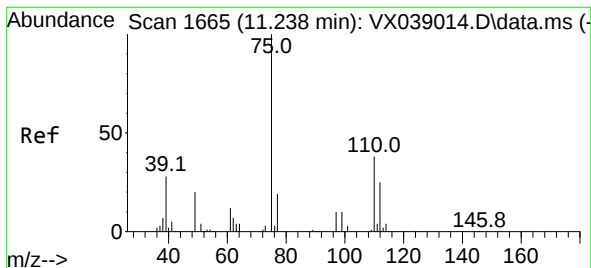
Ion Ratio Lower Upper

83 100

131 9.9 4.6 13.8

85 65.4 32.5 97.4





#72

1,2,3-Trichloropropane

Concen: 20.443 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

Instrument :

MSVOA_X

ClientSampleId :

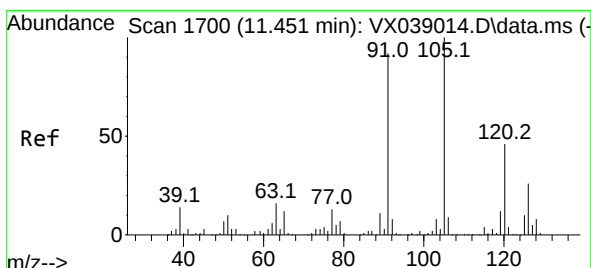
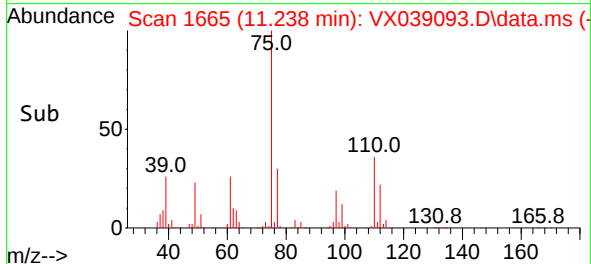
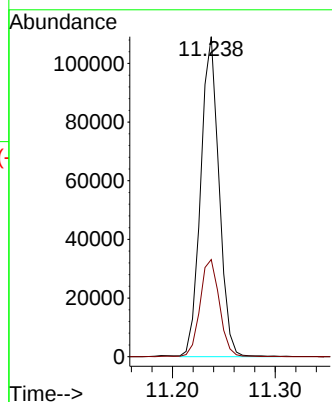
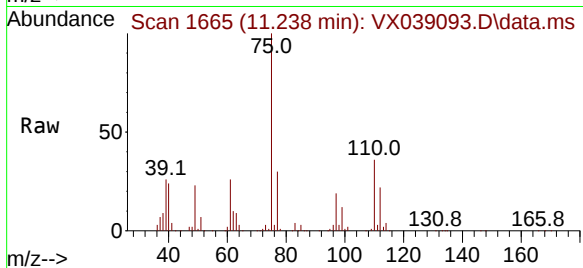
VSTDCCC050

Tgt Ion: 75 Resp: 135564

Ion Ratio Lower Upper

75 100

77 32.0 0.0 76.4



#76

1,3,5-Trimethylbenzene

Concen: 21.639 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX039093.D

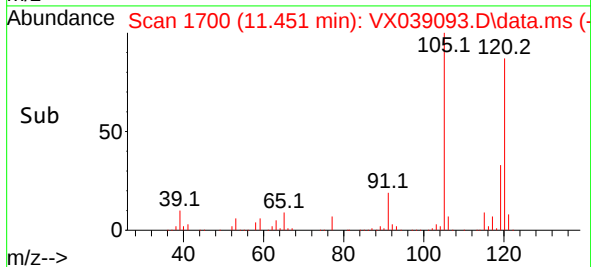
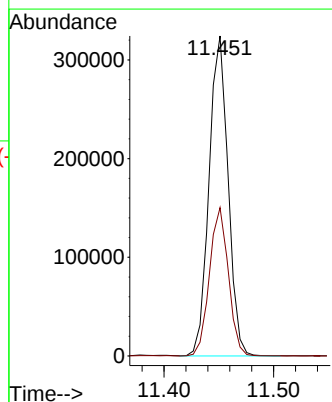
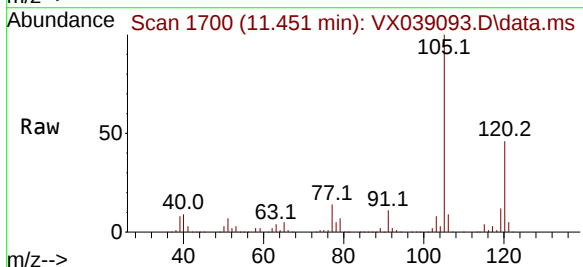
Acq: 08 Dec 2023 09:40

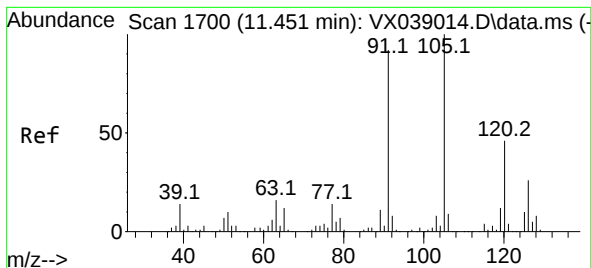
Tgt Ion: 105 Resp: 391347

Ion Ratio Lower Upper

105 100

120 46.1 0.0 92.6

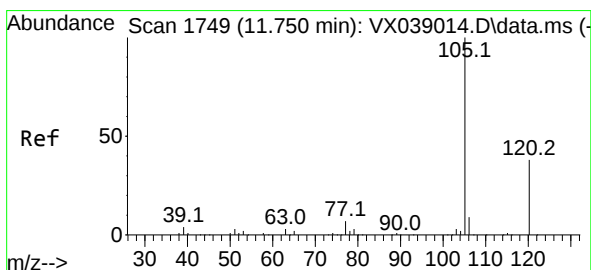
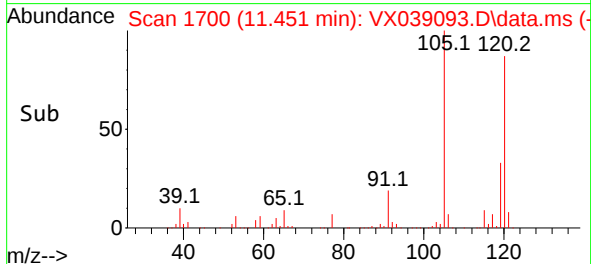
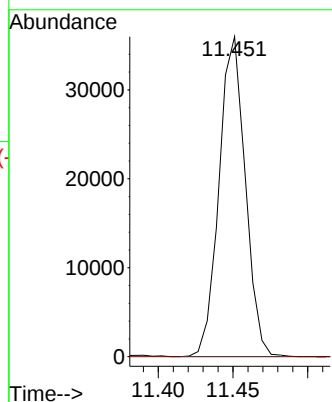
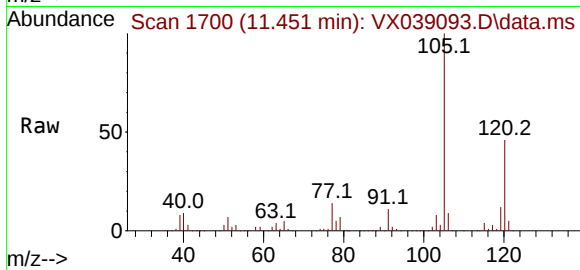




#78
4-Chlorotoluene
Concen: 2.477 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

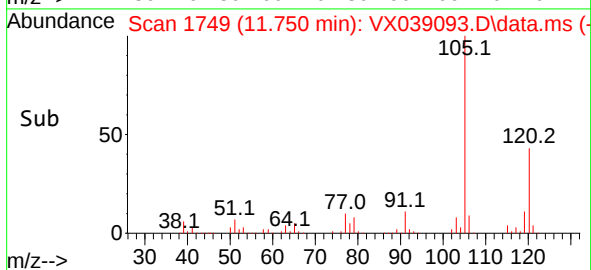
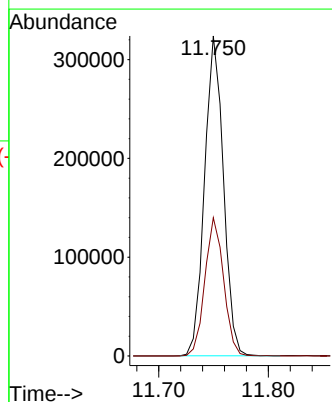
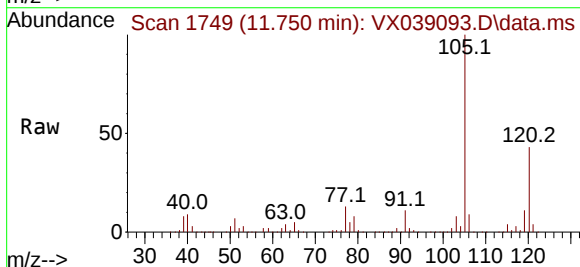
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

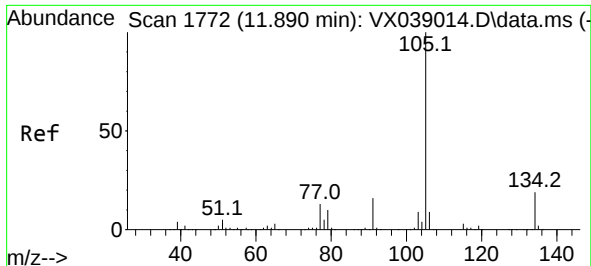
Tgt Ion: 91 Resp: 43941
Ion Ratio Lower Upper
91 100
126 0.0 0.0 57.4



#80
1,2,4-Trimethylbenzene
Concen: 21.335 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX039093.D
Acq: 08 Dec 2023 09:40

Tgt Ion: 105 Resp: 386162
Ion Ratio Lower Upper
105 100
120 42.9 0.0 86.4

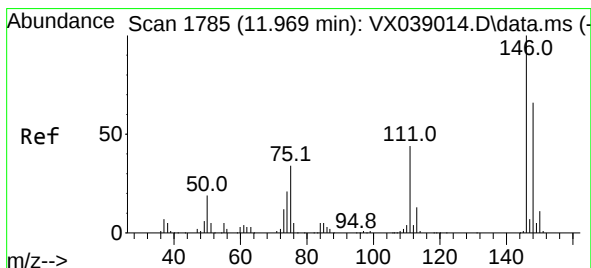
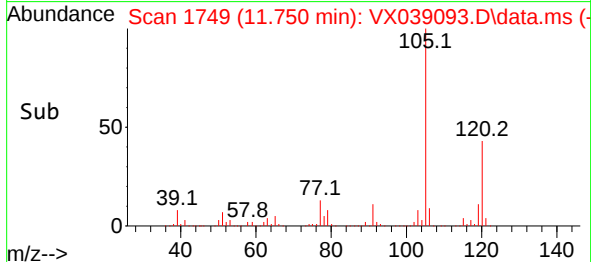
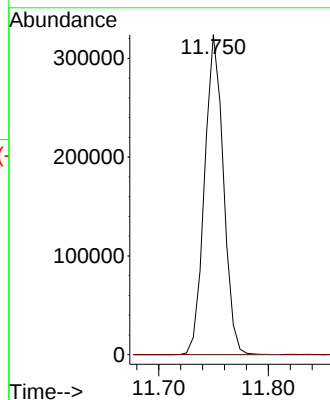
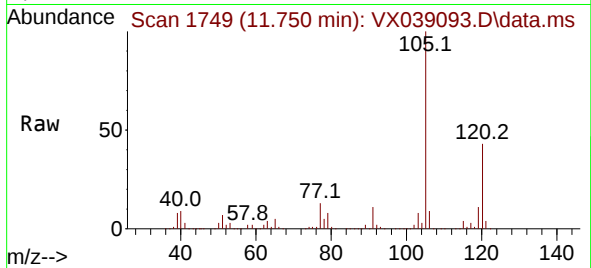




#81
 sec-Butylbenzene
 Concen: 17.763 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. -0.140 min
 Lab File: VX039093.D
 Acq: 08 Dec 2023 09:40

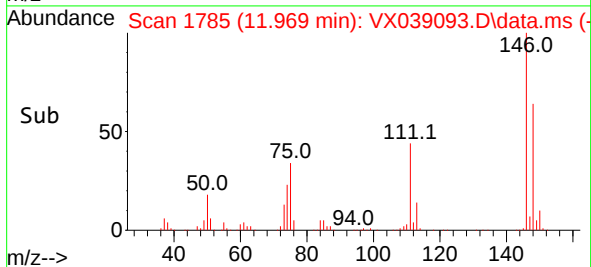
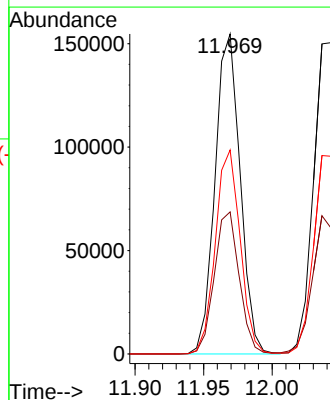
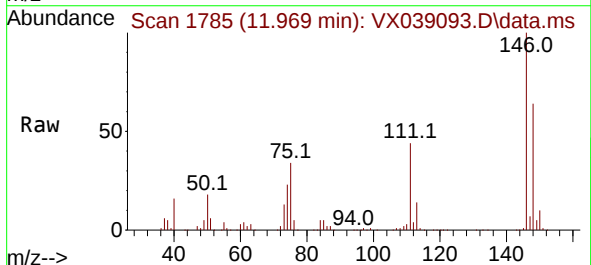
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

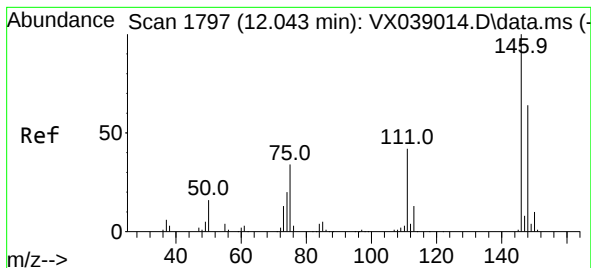
Tgt Ion:105 Resp: 386162
 Ion Ratio Lower Upper
 105 100
 134 0.0 0.0 38.4



#83
 1,3-Dichlorobenzene
 Concen: 21.573 ug/l
 RT: 11.969 min Scan# 1785
 Delta R.T. -0.000 min
 Lab File: VX039093.D
 Acq: 08 Dec 2023 09:40

Tgt Ion:146 Resp: 197322
 Ion Ratio Lower Upper
 146 100
 111 44.1 22.3 66.9
 148 63.1 32.8 98.3





#84

1,4-Dichlorobenzene

Concen: 20.970 ug/l

RT: 12.042 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

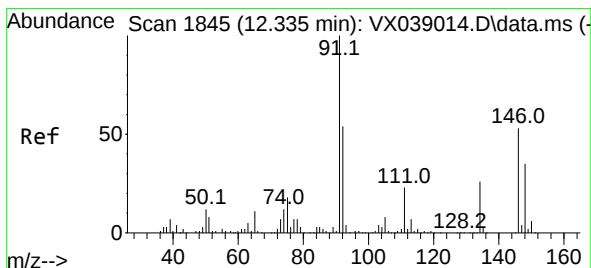
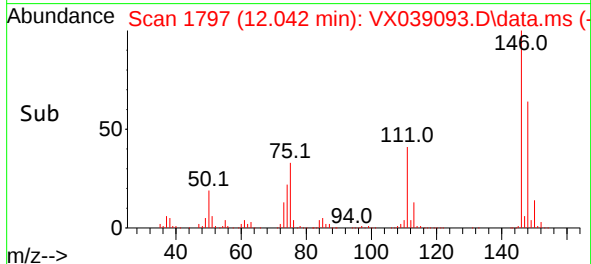
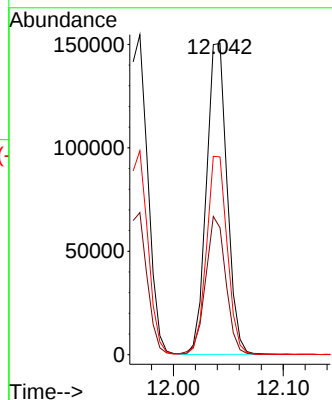
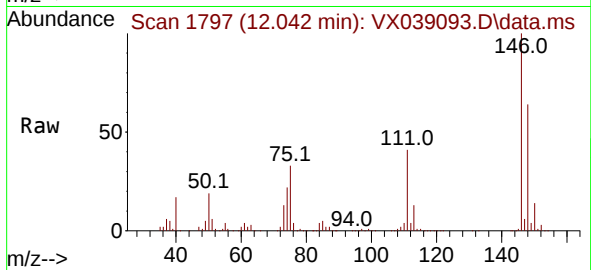
Tgt Ion:146 Resp: 196801

Ion Ratio Lower Upper

146 100

111 43.5 21.4 64.2

148 63.9 31.8 95.4



#87

1,2-Dichlorobenzene

Concen: 21.507 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

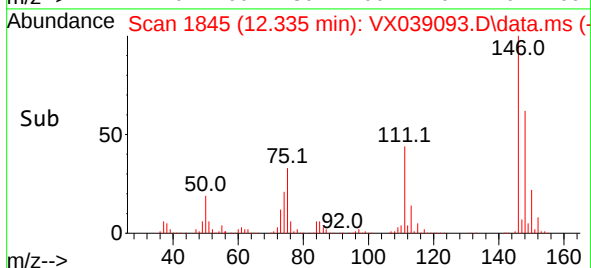
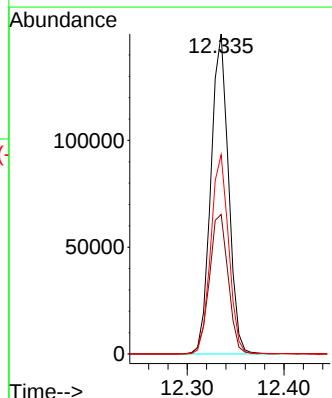
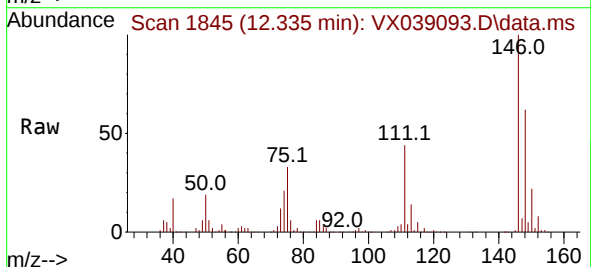
Tgt Ion:146 Resp: 189159

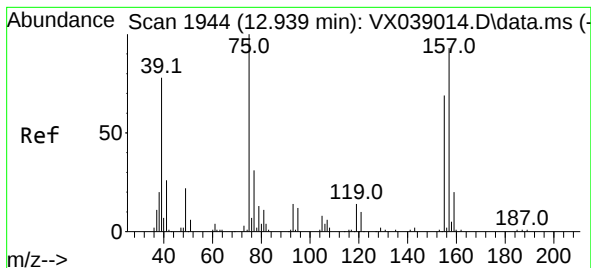
Ion Ratio Lower Upper

146 100

111 46.6 22.4 67.2

148 63.0 31.9 95.7

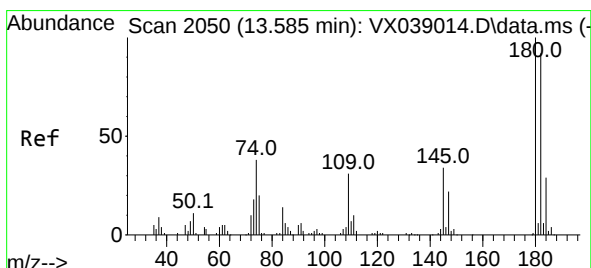
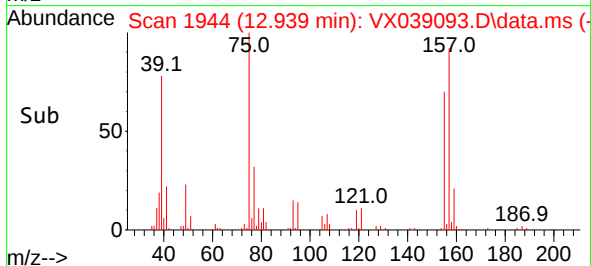
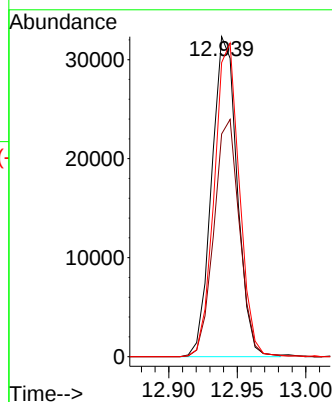
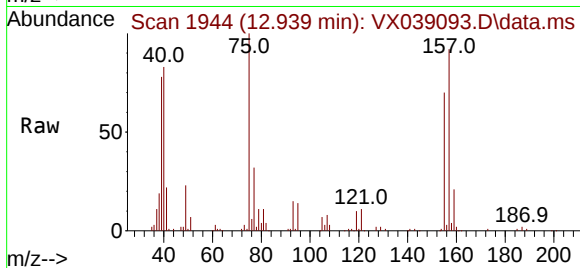




#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.862 ug/l
 RT: 12.939 min Scan# 1944
 Delta R.T. -0.000 min
 Lab File: VX039093.D
 Acq: 08 Dec 2023 09:40

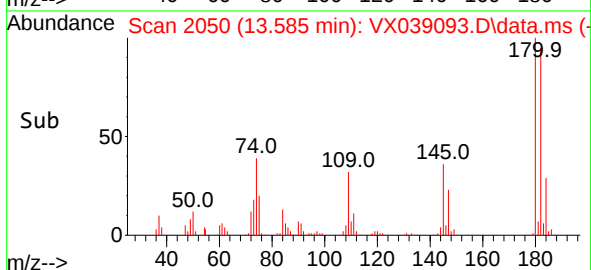
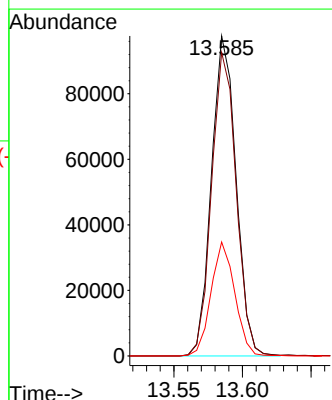
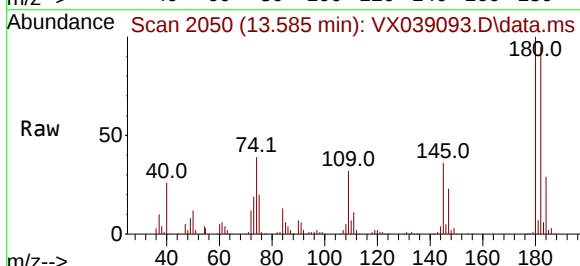
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

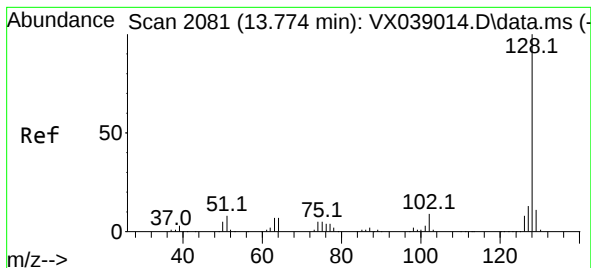
Tgt Ion: 75 Resp: 41813
 Ion Ratio Lower Upper
 75 100
 155 74.5 58.2 87.4
 157 96.1 76.5 114.7



#89
 1,2,4-Trichlorobenzene
 Concen: 20.889 ug/l
 RT: 13.585 min Scan# 2050
 Delta R.T. -0.000 min
 Lab File: VX039093.D
 Acq: 08 Dec 2023 09:40

Tgt Ion: 180 Resp: 121812
 Ion Ratio Lower Upper
 180 100
 182 95.0 74.5 111.7
 145 34.4 26.6 40.0





#91

Naphthalene

Concen: 19.265 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

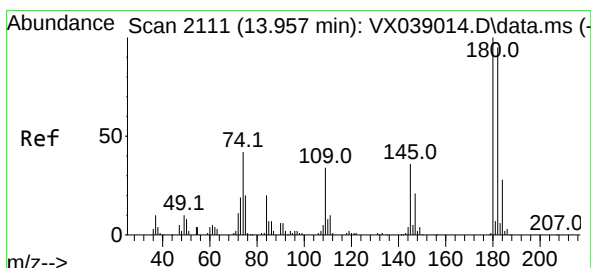
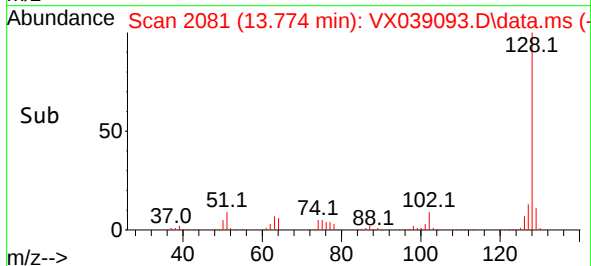
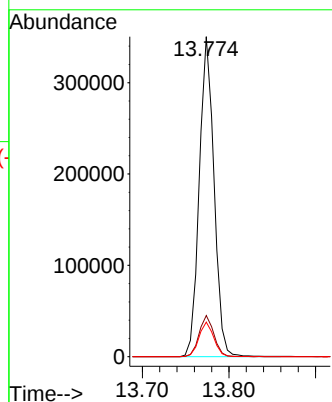
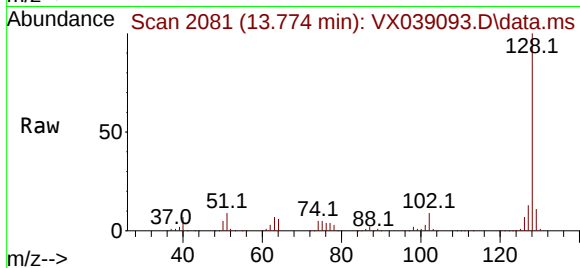
Tgt Ion:128 Resp: 414310

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 10.9 8.6 12.8



#92

1,2,3-Trichlorobenzene

Concen: 20.816 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX039093.D

Acq: 08 Dec 2023 09:40

Tgt Ion:180 Resp: 117578

Ion Ratio Lower Upper

180 100

182 94.1 0.0 191.6

145 36.0 0.0 69.6

