

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121123\
 Data File : VX039128.D
 Acq On : 11 Dec 2023 09:13
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050701

Quant Time: Dec 12 03:48:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML120523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 09 03:39:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	297932	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	270900	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	132947	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	91545	39.175	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.360%
7) Chloroethane-d5	1.666	69	69413	40.187	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.380%
11) 1,1-Dichloroethene-d2	2.307	65	43425	42.334	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.660%
21) 2-Butanone-d5	4.440	46	182487	86.271	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.270%
24) Chloroform-d	5.050	84	184226	44.534	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.060%
26) 1,2-Dichloroethane-d4	5.946	65	118162	44.106	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.220%
32) Benzene-d6	5.964	84	358432	42.872	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.740%
36) 1,2-Dichloropropane-d6	7.300	67	119672	44.478	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.960%
41) Toluene-d8	8.647	98	317908	41.959	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.920%
43) trans-1,3-Dichloroprop...	8.946	79	60736	44.359	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.720%
47) 2-Hexanone-d5	9.378	63	140411	87.375	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.370%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	171372	44.899	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.800%
66) 1,2-Dichlorobenzene-d4	12.317	152	109827	43.705	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	110839	46.650	ug/L	100
3) Chloromethane	1.295	50	114791	46.224	ug/L	97
5) Vinyl chloride	1.374	62	112724	46.055	ug/L	98
6) Bromomethane	1.612	94	66939	50.669	ug/L	98
8) Chloroethane	1.691	64	63991	46.246	ug/L	96
9) Trichlorofluoromethane	1.892	101	151808	47.857	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	102534	50.251	ug/L	99
12) 1,1-Dichloroethene	2.319	96	94314	49.139	ug/L	90
13) Acetone	2.374	43	208707	102.706	ug/L	98
14) Carbon disulfide	2.514	76	291638	47.751	ug/L	100
15) Methyl Acetate	2.697	43	138118	47.552	ug/L	99
16) Methylene chloride	2.788	84	105410	47.802	ug/L	97
17) trans-1,2-Dichloroethene	3.087	96	98744	48.829	ug/L	96
18) Methyl tert-butyl Ether	3.105	73	344136	48.889	ug/L	99
19) 1,1-Dichloroethane	3.605	63	192906	48.244	ug/L	97
20) cis-1,2-Dichloroethene	4.483	96	112527	47.974	ug/L	96
22) 2-Butanone	4.544	43	243881	97.791	ug/L	100
23) Bromochloromethane	4.898	128	52991	48.059	ug/L	91
25) Chloroform	5.080	83	192058	48.155	ug/L	97

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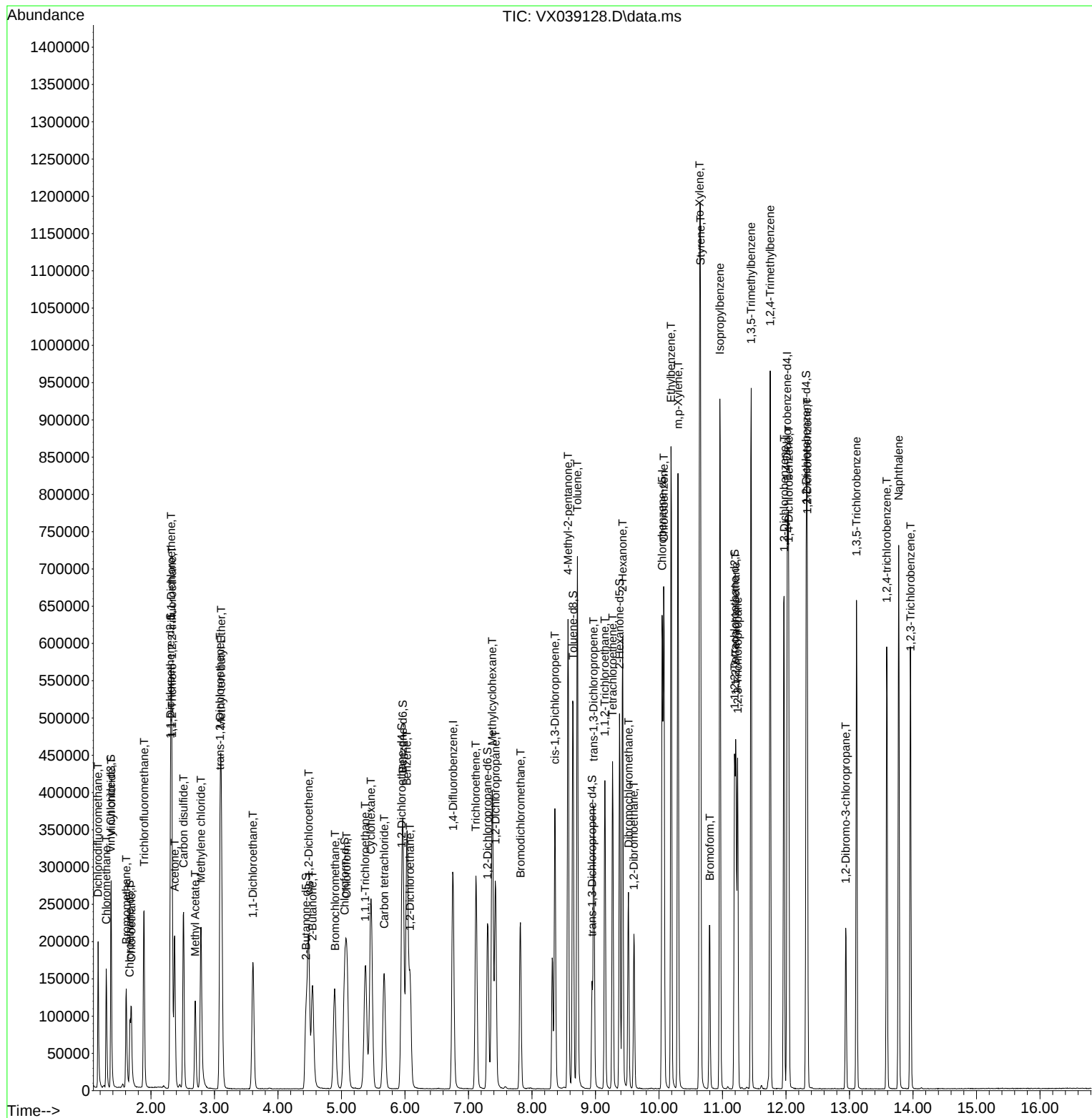
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.080	62	154905	49.210	ug/L	96
29) Cyclohexane	5.465	56	187439	49.462	ug/L	96
30) 1,1,1-Trichloroethane	5.373	97	163919	49.871	ug/L	98
31) Carbon tetrachloride	5.672	117	138162	50.382	ug/L	99
33) Benzene	6.032	78	418980	48.668	ug/L	100
34) Trichloroethene	7.117	95	113036	49.683	ug/L	97
35) Methylcyclohexane	7.373	83	183033	48.304	ug/L	98
37) 1,2-Dichloropropane	7.428	63	117105	49.047	ug/L	100
38) Bromodichloromethane	7.818	83	145682	50.166	ug/L	98
39) cis-1,3-Dichloropropene	8.360	75	189386	49.734	ug/L	98
40) 4-Methyl-2-pentanone	8.568	43	379051	94.726	ug/L	99
42) Toluene	8.714	91	440709	48.275	ug/L	99
44) trans-1,3-Dichloropropene	8.970	75	178363	50.473	ug/L	98
45) 1,1,2-Trichloroethane	9.147	97	106961	48.884	ug/L	98
46) Tetrachloroethene	9.269	164	73373	48.888	ug/L	97
48) 2-Hexanone	9.427	43	320181	95.601	ug/L	99
49) Dibromochloromethane	9.519	129	105741	49.606	ug/L	98
50) 1,2-Dibromoethane	9.604	107	114349	48.781	ug/L	97
51) Chlorobenzene	10.073	112	270211	47.918	ug/L	96
52) Ethylbenzene	10.189	91	493766	48.380	ug/L	99
53) m,p-Xylene	10.299	106	178873	46.876	ug/L	99
54) o-Xylene	10.640	106	177068	48.359	ug/L	98
55) Styrene	10.653	104	303369	48.422	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.207	83	179270	46.947	ug/L	99
59) Bromoform	10.799	173	77280	49.460	ug/L	100
60) Isopropylbenzene	10.957	105	476360	49.036	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	139679	47.961	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	405074	49.390	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	396480	49.301	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	202183	48.625	ug/L	99
65) 1,4-Dichlorobenzene	12.043	146	204515	48.538	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	192709	48.450	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.939	75	43749	48.133	ug/L	96
69) 1,3,5-Trichlorobenzene	13.110	180	135138	49.144	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	126377	48.751	ug/L	98
71) Naphthalene	13.774	128	426220	47.942	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	119955	47.790	ug/L	98

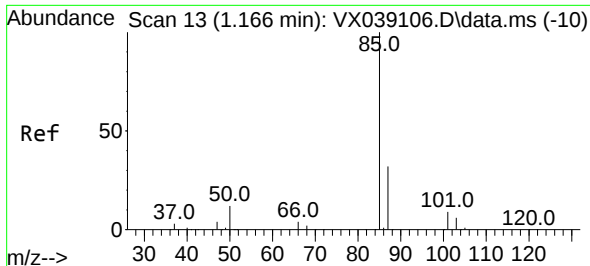
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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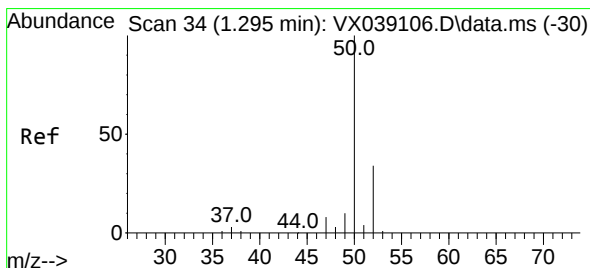
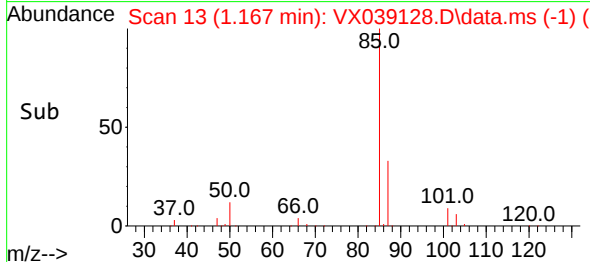
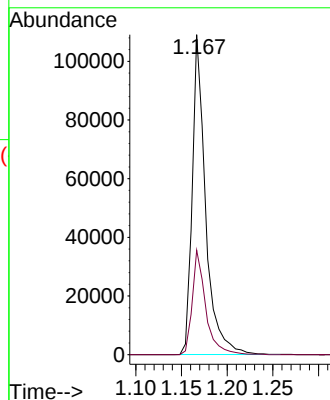
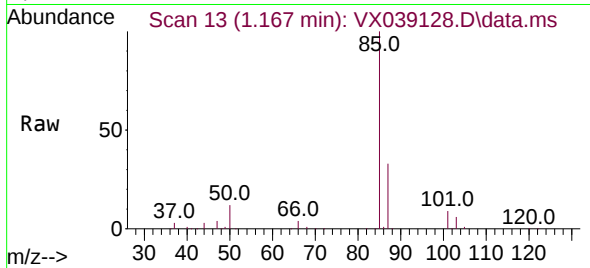




#2
Dichlorodifluoromethane
Concen: 46.650 ug/L
RT: 1.167 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039128.D
Acq: 11 Dec 2023 09:13

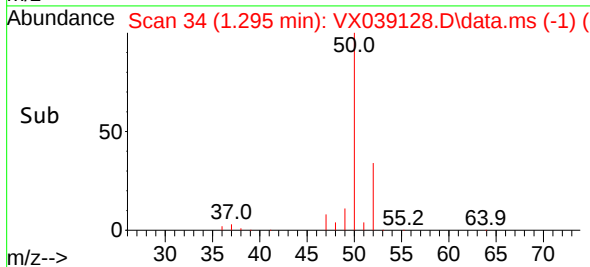
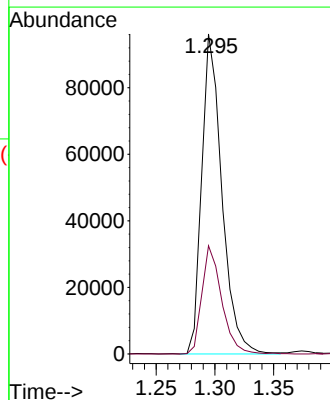
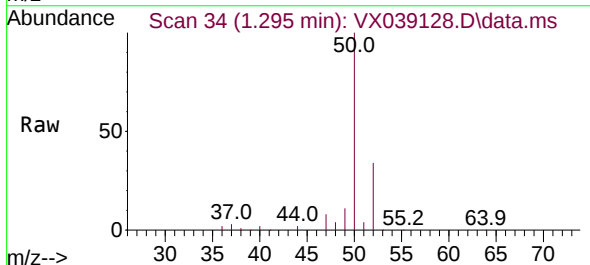
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ClientSampleId :
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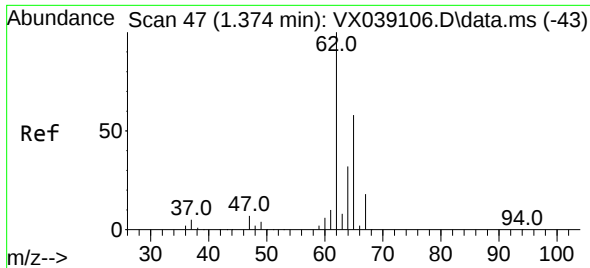
Tgt Ion: 85 Resp: 110839
Ion Ratio Lower Upper
85 100
87 33.1 26.2 39.4



#3
Chloromethane
Concen: 46.224 ug/L
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX039128.D
Acq: 11 Dec 2023 09:13

Tgt Ion: 50 Resp: 114791
Ion Ratio Lower Upper
50 100
52 33.8 22.4 41.6

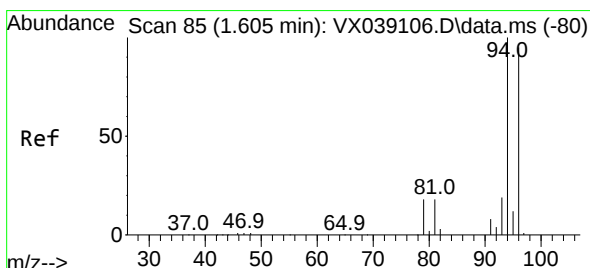
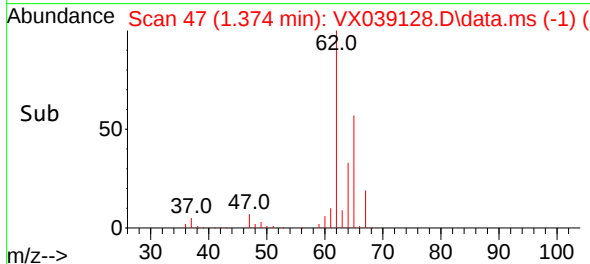
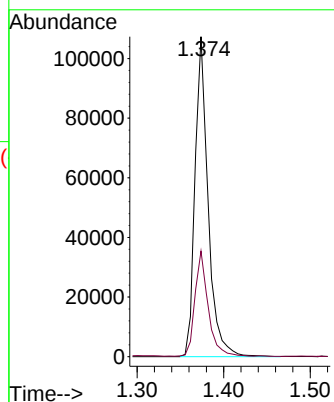
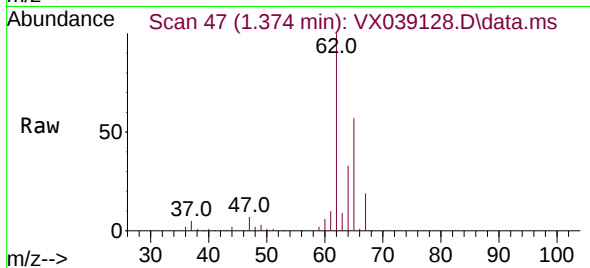




#5
 Vinyl chloride
 Concen: 46.055 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX039128.D
 Acq: 11 Dec 2023 09:13

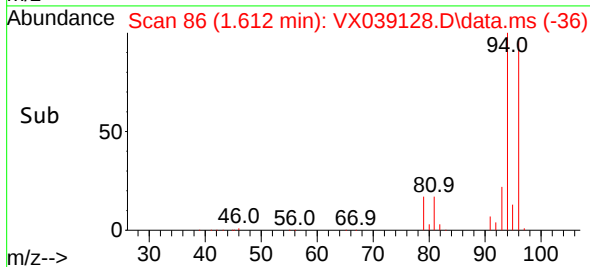
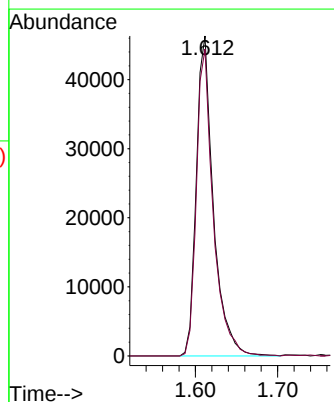
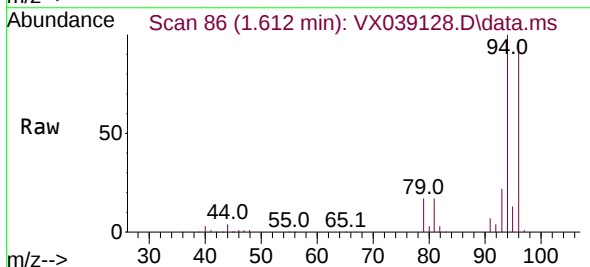
Instrument :
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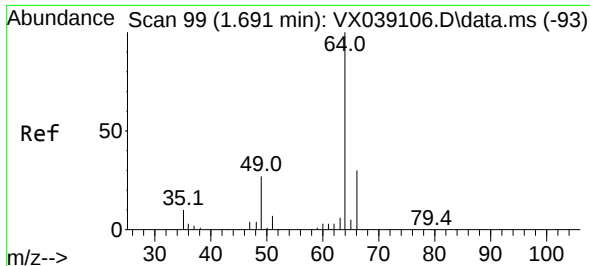
Tgt Ion: 62 Resp: 112724
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.3 41.3



#6
 Bromomethane
 Concen: 50.669 ug/L
 RT: 1.612 min Scan# 86
 Delta R.T. 0.006 min
 Lab File: VX039128.D
 Acq: 11 Dec 2023 09:13

Tgt Ion: 94 Resp: 66939
 Ion Ratio Lower Upper
 94 100
 96 95.9 65.8 122.2

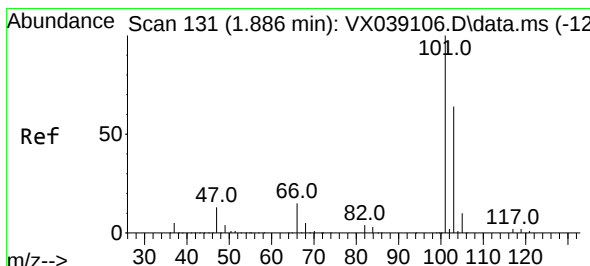
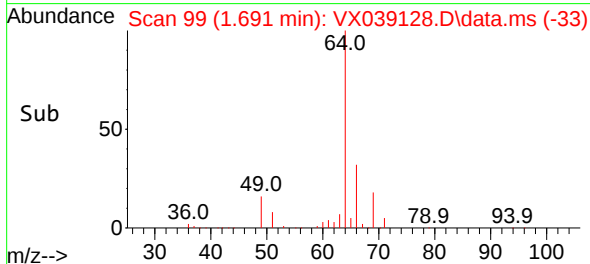
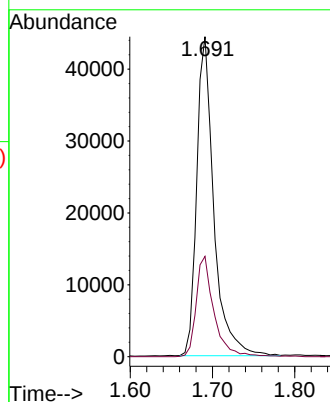
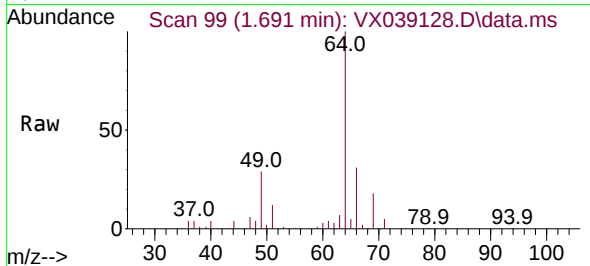




#8
Chloroethane
Concen: 46.246 ug/L
RT: 1.691 min Scan# 99
Delta R.T. 0.000 min
Lab File: VX039128.D
Acq: 11 Dec 2023 09:13

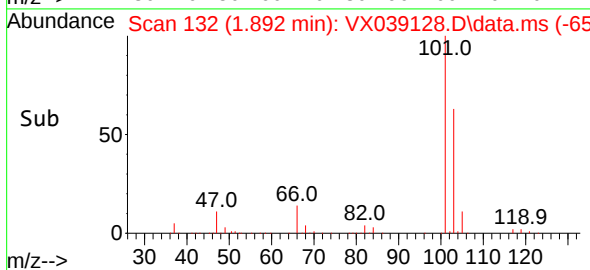
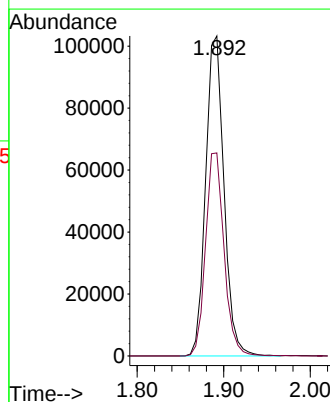
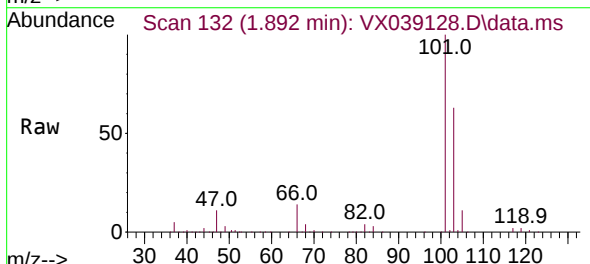
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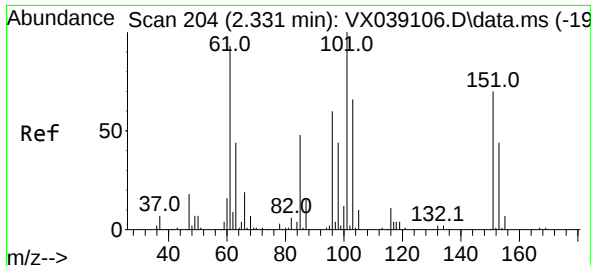
Tgt Ion: 64 Resp: 63991
Ion Ratio Lower Upper
64 100
66 31.4 23.4 43.6



#9
Trichlorofluoromethane
Concen: 47.857 ug/L
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX039128.D
Acq: 11 Dec 2023 09:13

Tgt Ion:101 Resp: 151808
Ion Ratio Lower Upper
101 100
103 64.1 51.4 77.2

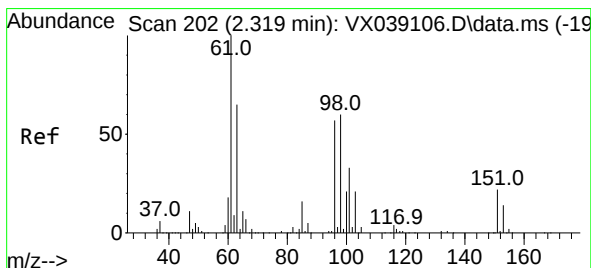
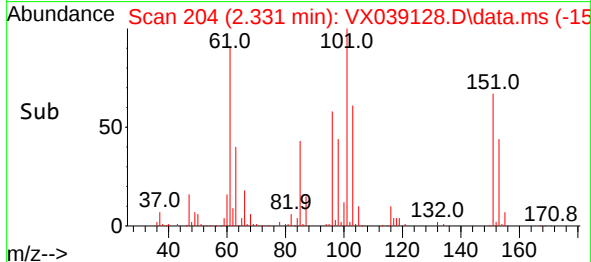
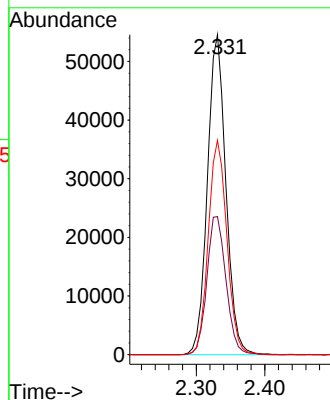
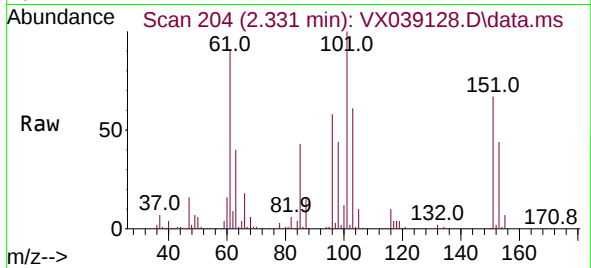




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 50.251 ug/L
 RT: 2.331 min Scan# 204
 Delta R.T. 0.000 min
 Lab File: VX039128.D
 Acq: 11 Dec 2023 09:13

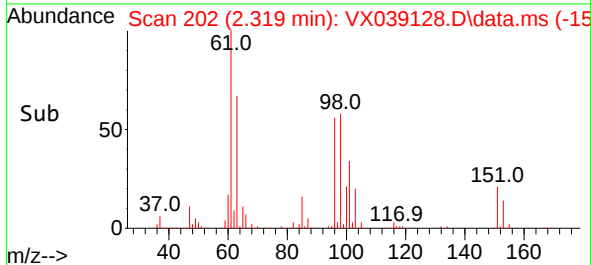
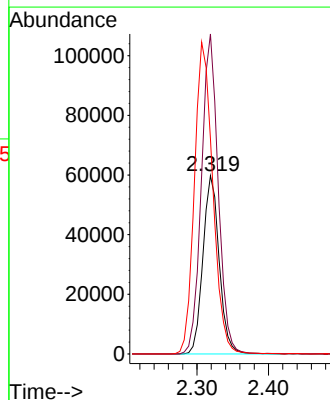
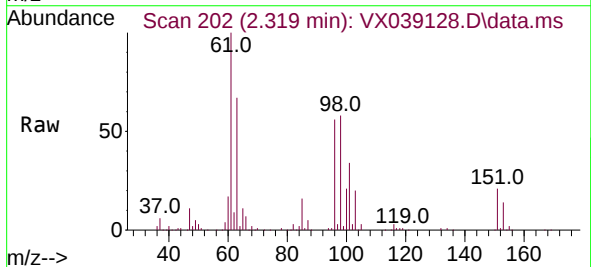
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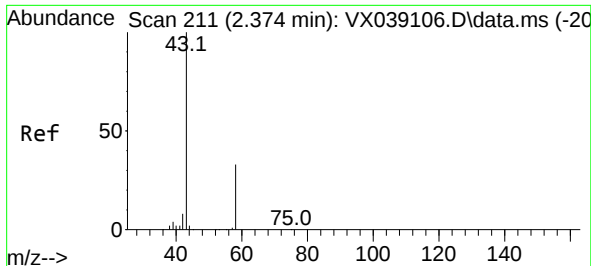
Tgt Ion:101 Resp: 102534
 Ion Ratio Lower Upper
 101 100
 85 44.8 35.8 53.6
 151 67.4 55.4 83.2



#12
 1,1-Dichloroethene
 Concen: 49.139 ug/L
 RT: 2.319 min Scan# 202
 Delta R.T. 0.000 min
 Lab File: VX039128.D
 Acq: 11 Dec 2023 09:13

Tgt Ion: 96 Resp: 94314
 Ion Ratio Lower Upper
 96 100
 61 179.6 128.0 237.6
 63 120.9 101.5 188.5

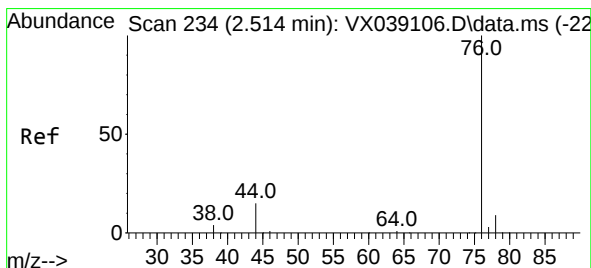
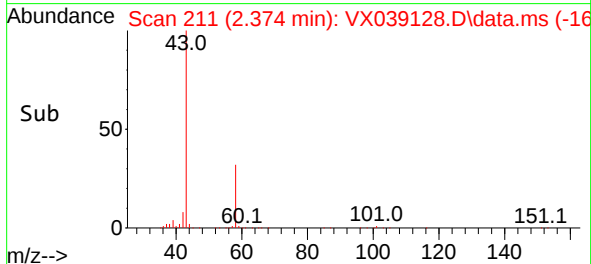
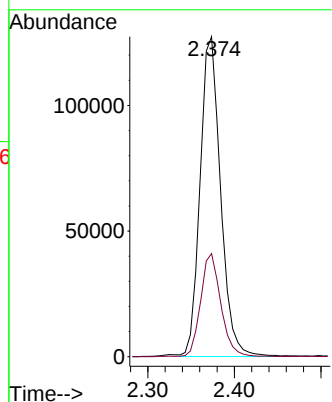
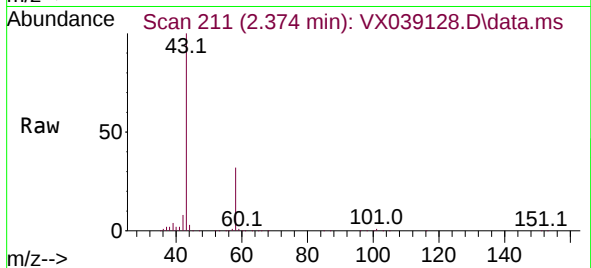




#13
Acetone
Concen: 102.706 ug/L
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX039128.D
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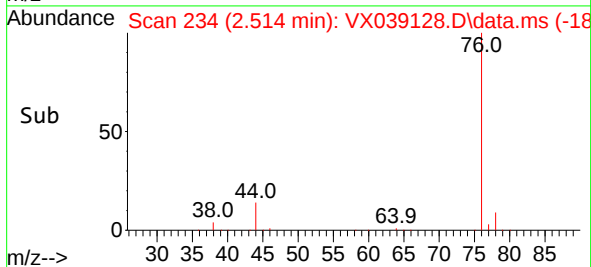
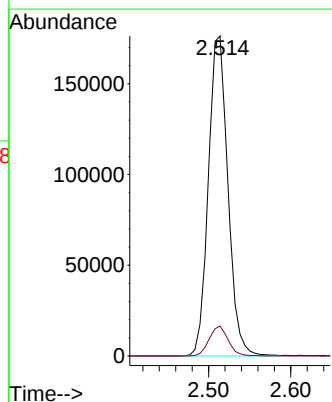
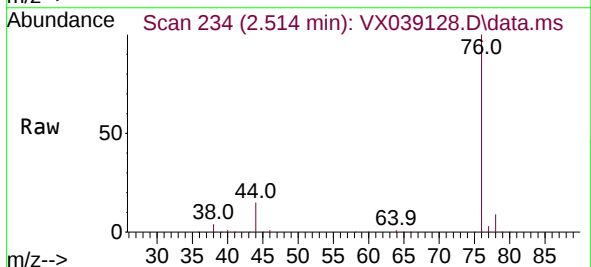
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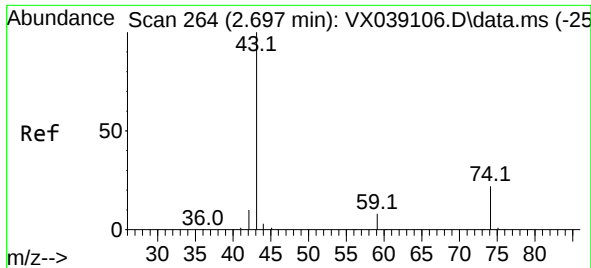
Tgt Ion: 43 Resp: 208707
Ion Ratio Lower Upper
43 100
58 31.5 0.0 65.8



#14
Carbon disulfide
Concen: 47.751 ug/L
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
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Tgt Ion: 76 Resp: 291638
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

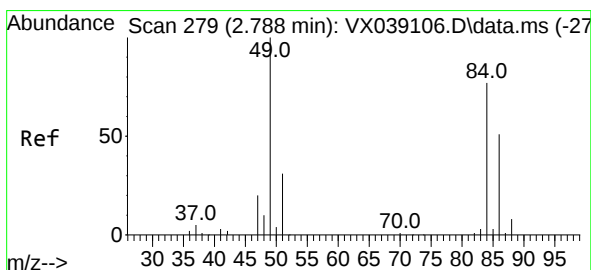
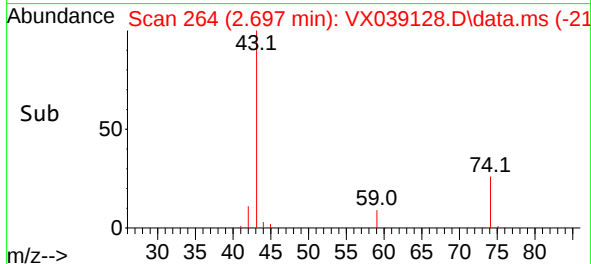
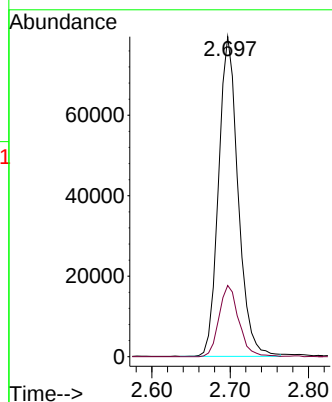
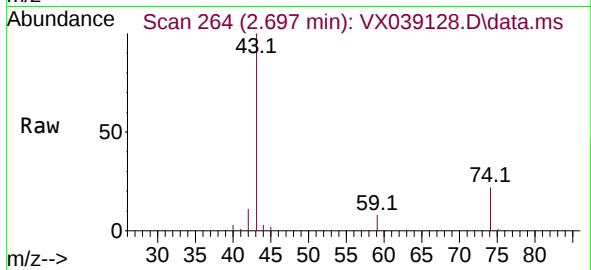




#15
Methyl Acetate
Concen: 47.552 ug/L
RT: 2.697 min Scan# 264
Delta R.T. 0.000 min
Lab File: VX039128.D
Acq: 11 Dec 2023 09:13

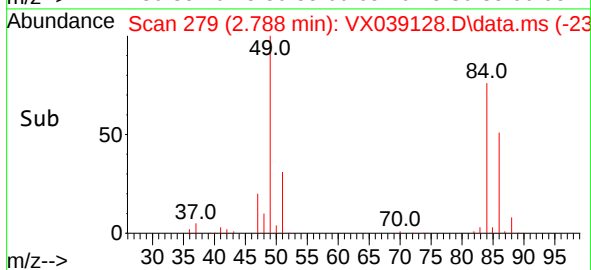
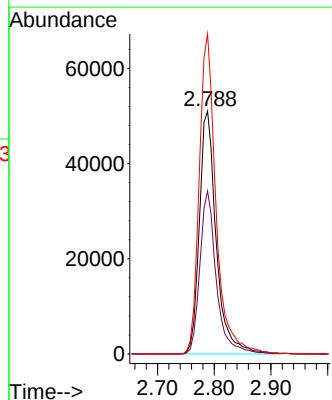
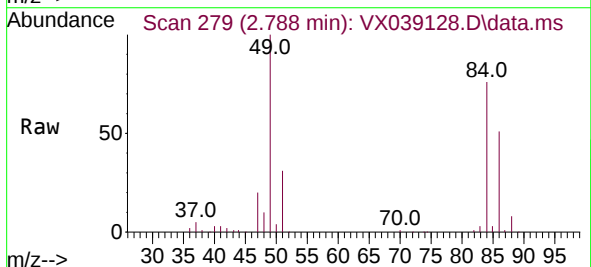
Instrument :
MSVOA_X
ClientSampleId :
VSTD050701

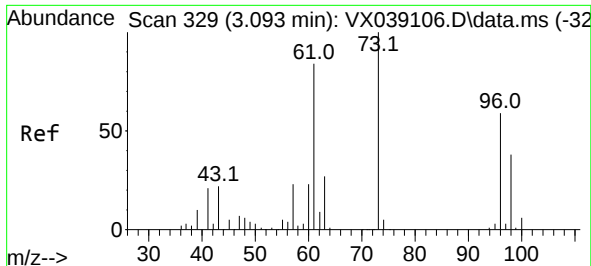
Tgt Ion: 43 Resp: 138118
Ion Ratio Lower Upper
43 100
74 22.5 18.2 27.4



#16
Methylene chloride
Concen: 47.802 ug/L
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX039128.D
Acq: 11 Dec 2023 09:13

Tgt Ion: 84 Resp: 105410
Ion Ratio Lower Upper
84 100
86 67.1 44.7 82.9
49 131.7 90.9 168.7

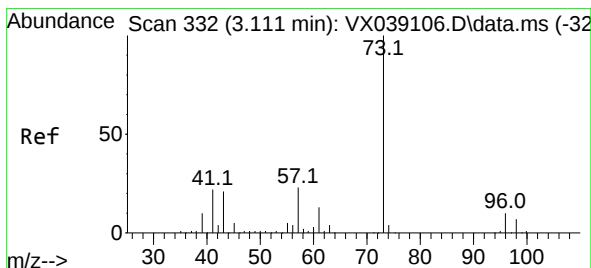
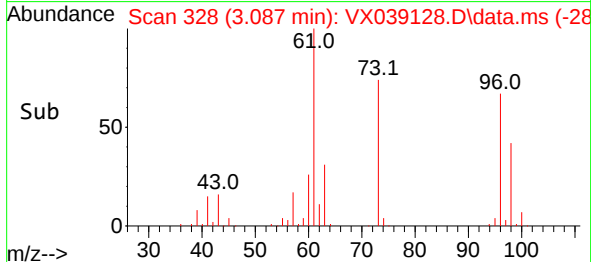
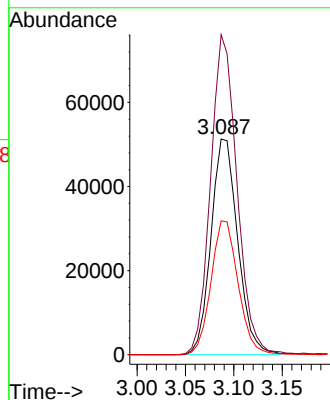
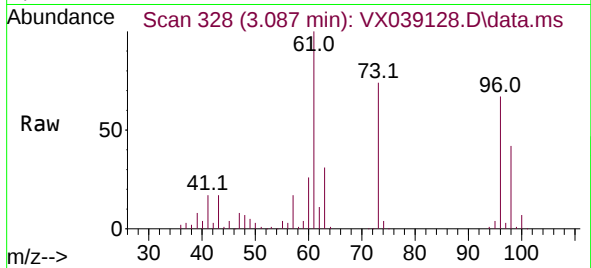




#17
trans-1,2-Dichloroethene
Concen: 48.829 ug/L
RT: 3.087 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX039128.D
Acq: 11 Dec 2023 09:13

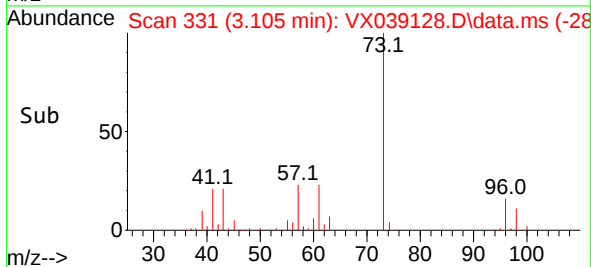
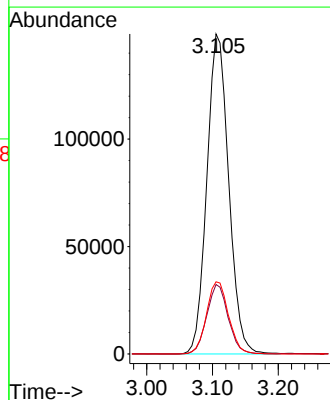
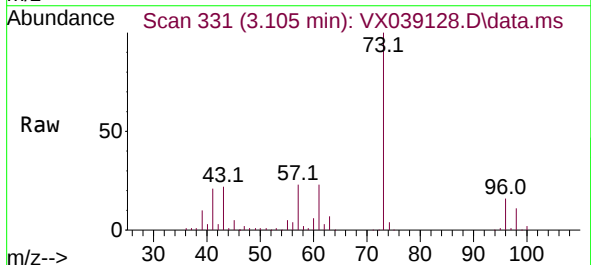
Instrument :
MSVOA_X
ClientSampleId :
VSTD050701

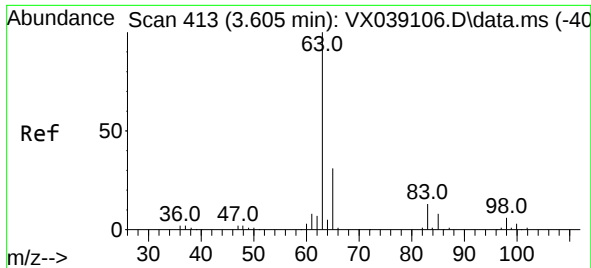
Tgt Ion: 96 Resp: 98744
Ion Ratio Lower Upper
96 100
61 148.4 99.8 185.3
98 62.1 42.6 79.2



#18
Methyl tert-butyl Ether
Concen: 48.889 ug/L
RT: 3.105 min Scan# 331
Delta R.T. -0.006 min
Lab File: VX039128.D
Acq: 11 Dec 2023 09:13

Tgt Ion: 73 Resp: 344136
Ion Ratio Lower Upper
73 100
43 21.3 16.9 25.3
57 22.7 18.5 27.7

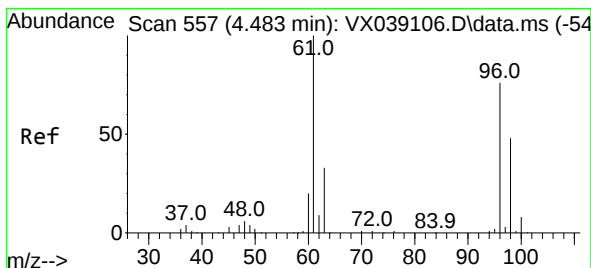
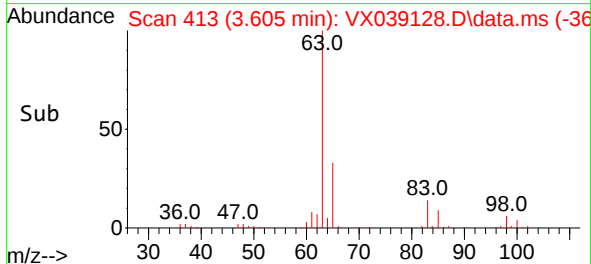
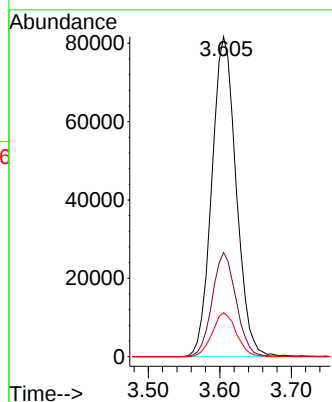
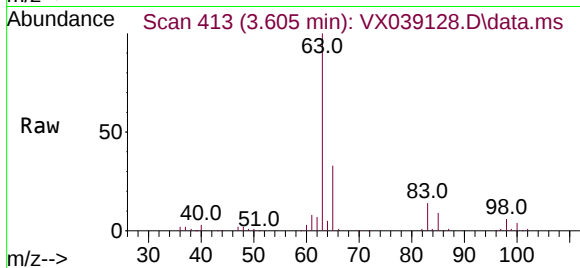




#19
 1,1-Dichloroethane
 Concen: 48.244 ug/L
 RT: 3.605 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX039128.D
 Acq: 11 Dec 2023 09:13

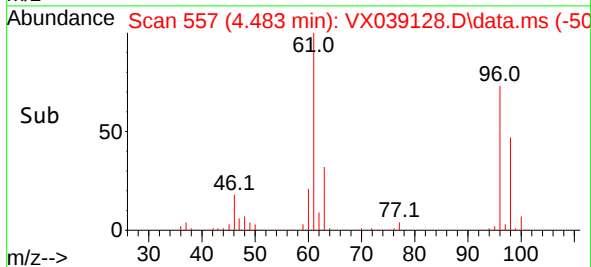
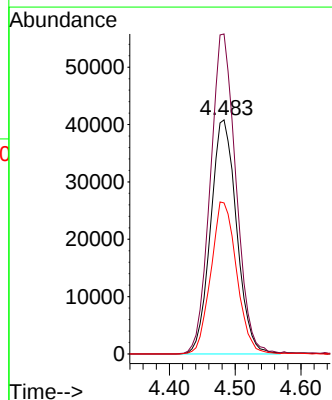
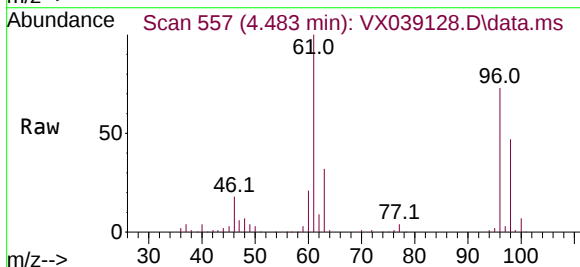
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050701

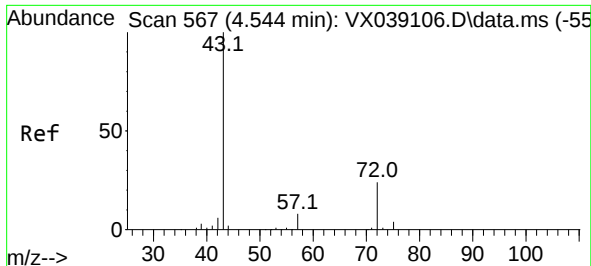
Tgt Ion:	63	Resp:	192906
Ion	Ratio	Lower	Upper
63	100		
65	32.5	21.1	39.3
83	13.8	9.7	17.9



#20
 cis-1,2-Dichloroethene
 Concen: 47.974 ug/L
 RT: 4.483 min Scan# 557
 Delta R.T. 0.000 min
 Lab File: VX039128.D
 Acq: 11 Dec 2023 09:13

Tgt Ion:	96	Resp:	112527
Ion	Ratio	Lower	Upper
96	100		
61	136.7	91.7	170.3
98	64.6	44.2	82.2





#22

2-Butanone

Concen: 97.791 ug/L

RT: 4.544 min Scan# 567

Delta R.T. 0.000 min

Lab File: VX039128.D

Acq: 11 Dec 2023 09:13

Instrument :

MSVOA_X

ClientSampleId :

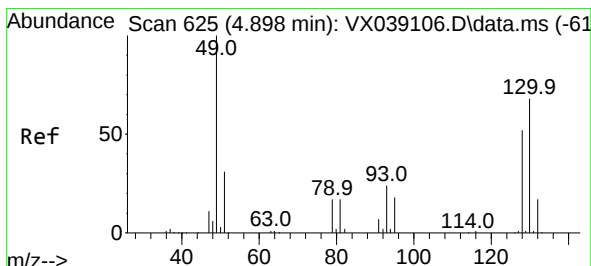
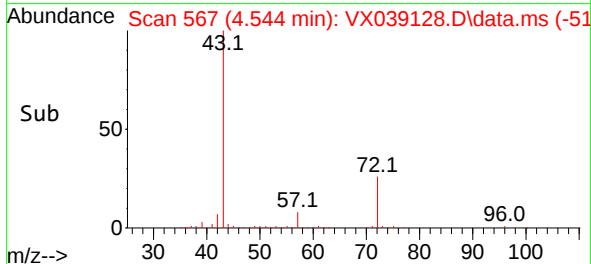
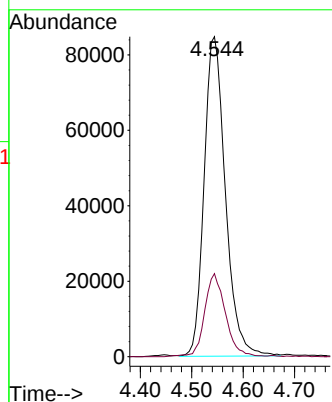
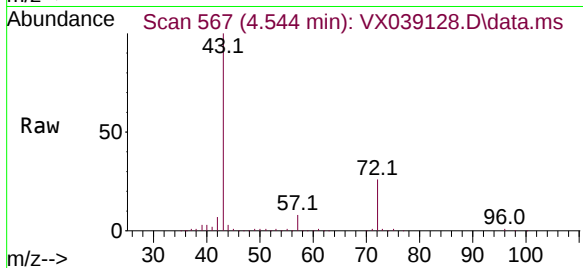
VSTD050701

Tgt Ion: 43 Resp: 243881

Ion Ratio Lower Upper

43 100

72 25.0 12.6 37.6



#23

Bromochloromethane

Concen: 48.059 ug/L

RT: 4.898 min Scan# 625

Delta R.T. 0.000 min

Lab File: VX039128.D

Acq: 11 Dec 2023 09:13

Tgt Ion: 128 Resp: 52991

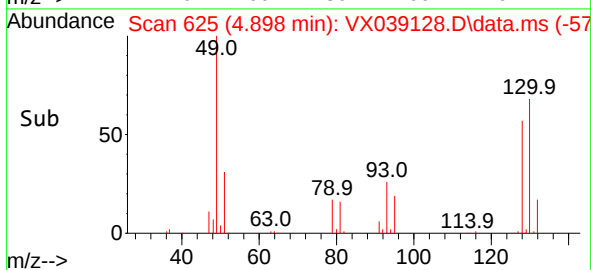
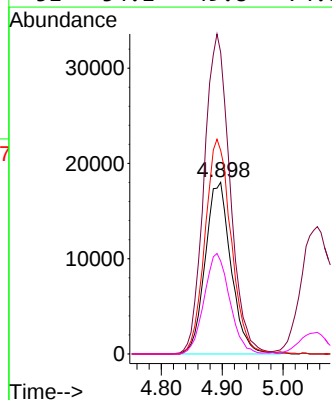
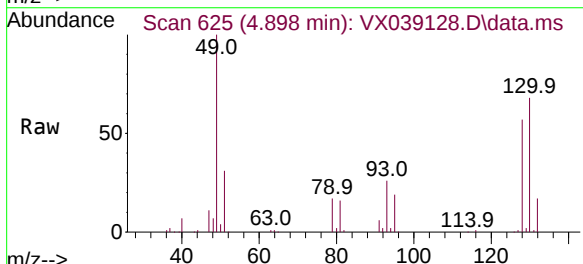
Ion Ratio Lower Upper

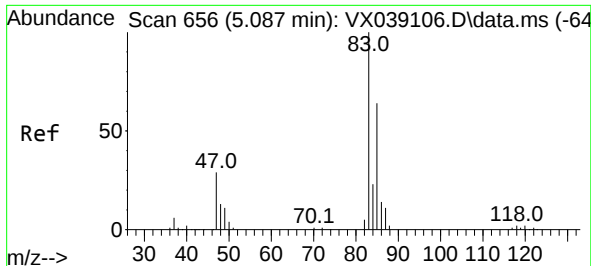
128 100

49 175.6 130.8 243.0

130 118.6 90.6 168.3

51 54.1 49.8 74.8





#25

Chloroform

Concen: 48.155 ug/L

RT: 5.080 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX039128.D

Acq: 11 Dec 2023 09:13

Instrument :

MSVOA_X

ClientSampleId :

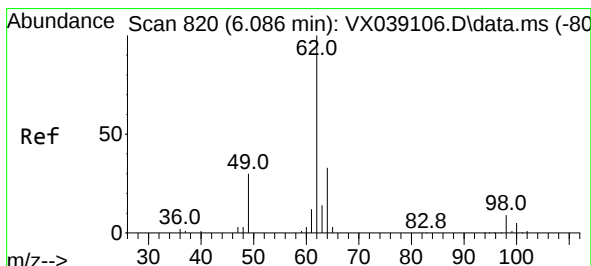
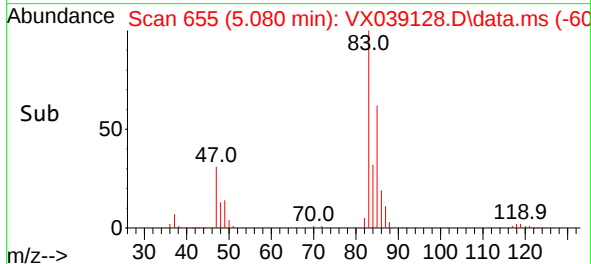
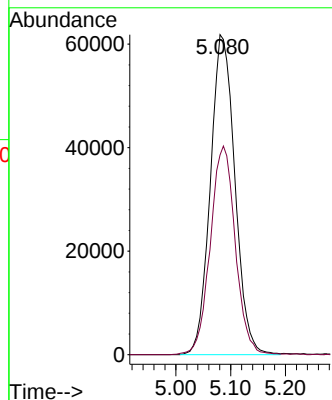
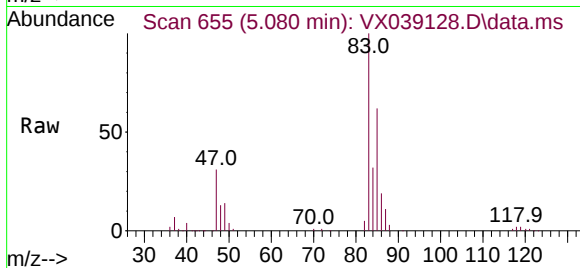
VSTD050701

Tgt Ion: 83 Resp: 192058

Ion Ratio Lower Upper

83 100

85 62.4 45.1 83.7



#27

1,2-Dichloroethane

Concen: 49.210 ug/L

RT: 6.080 min Scan# 819

Delta R.T. -0.006 min

Lab File: VX039128.D

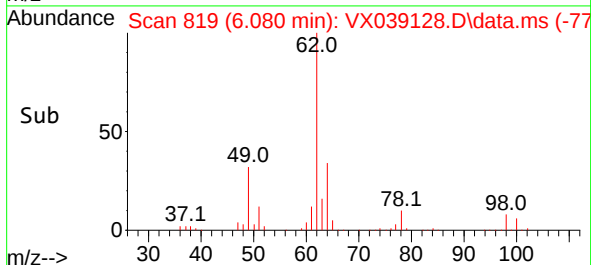
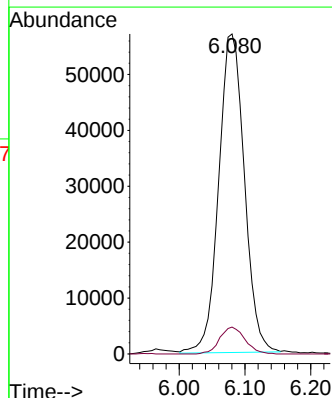
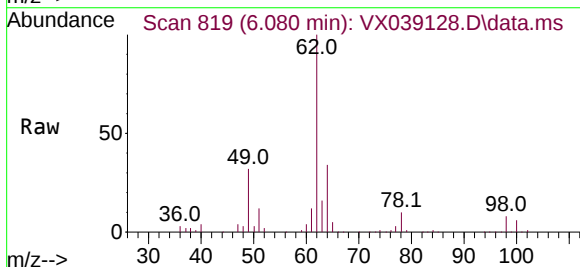
Acq: 11 Dec 2023 09:13

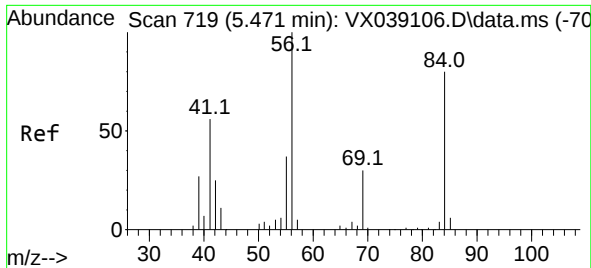
Tgt Ion: 62 Resp: 154905

Ion Ratio Lower Upper

62 100

98 8.4 8.0 12.0

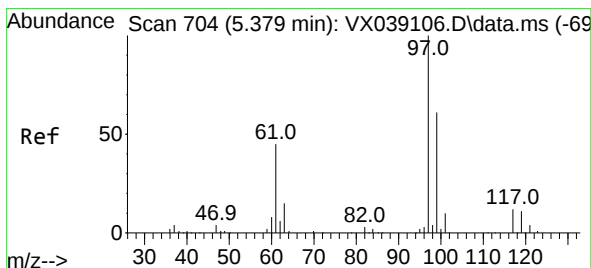
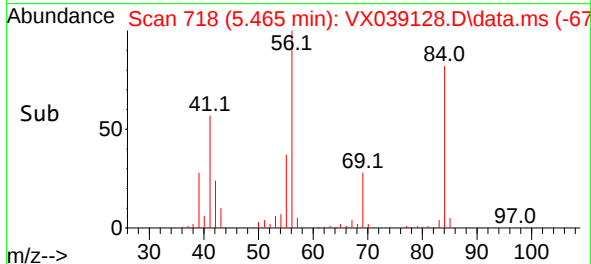
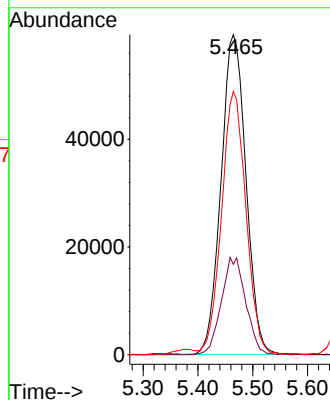
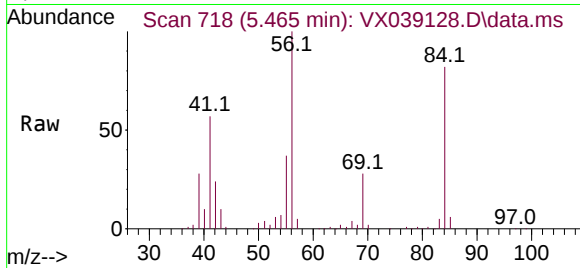




#29
Cyclohexane
Concen: 49.462 ug/L
RT: 5.465 min Scan# 719
Delta R.T. -0.006 min
Lab File: VX039128.D
Acq: 11 Dec 2023 09:13

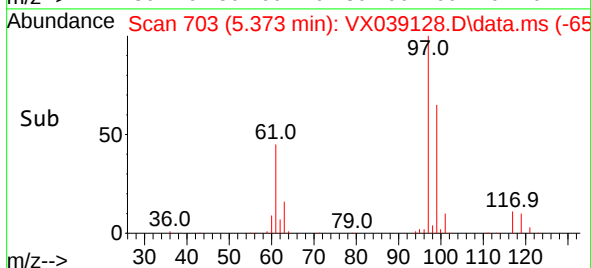
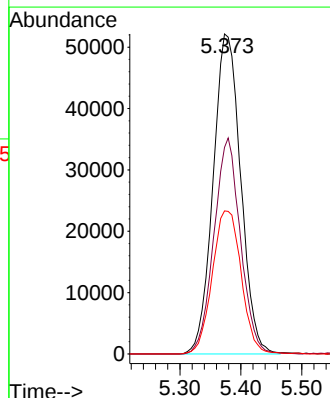
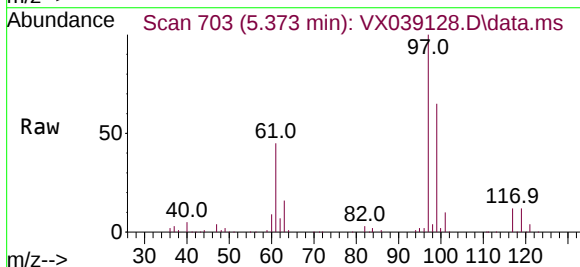
Instrument :
MSVOA_X
ClientSampleId :
VSTD050701

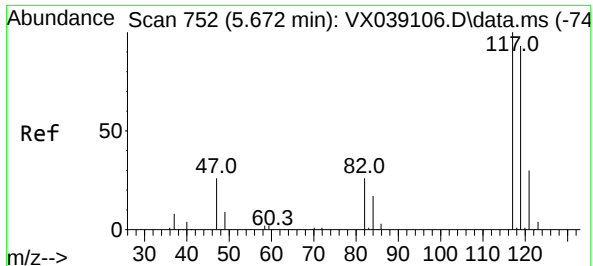
Tgt Ion:	56	Resp:	187439
Ion	Ratio	Lower	Upper
56	100		
69	29.8	24.5	36.7
84	79.2	67.0	100.4



#30
1,1,1-Trichloroethane
Concen: 49.871 ug/L
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX039128.D
Acq: 11 Dec 2023 09:13

Tgt Ion:	97	Resp:	163919
Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.0	76.4
61	46.9	36.7	55.1

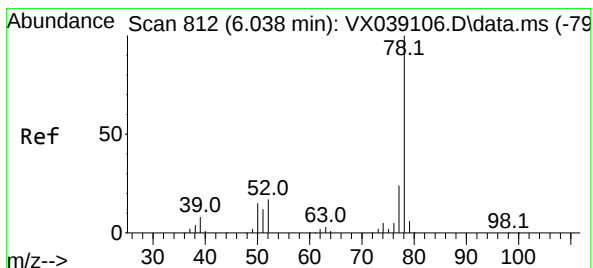
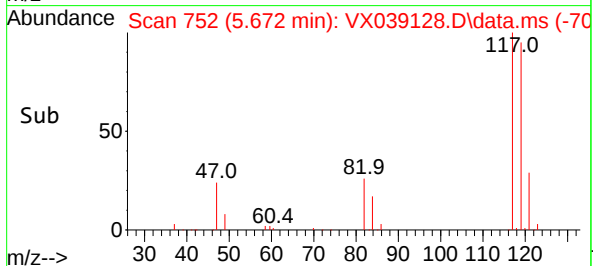
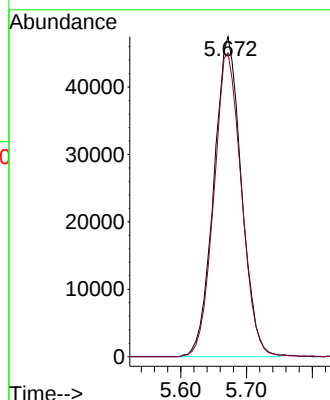
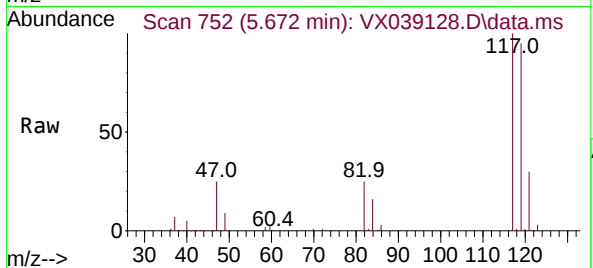




#31
Carbon tetrachloride
Concen: 50.382 ug/L
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX039128.D
Acq: 11 Dec 2023 09:13

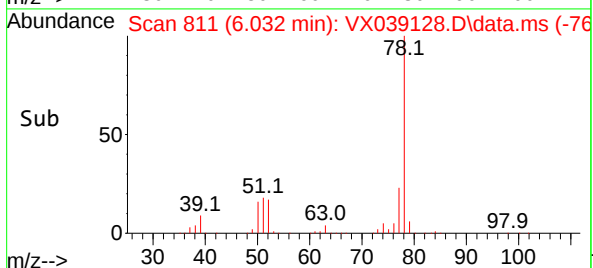
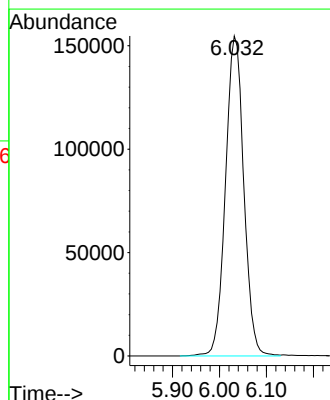
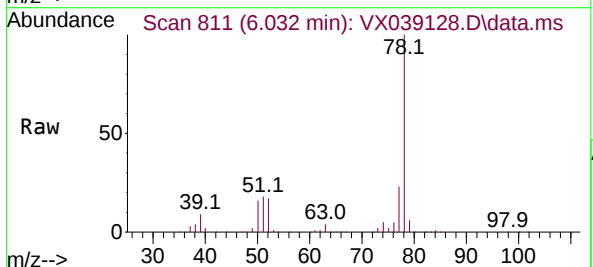
Instrument :
MSVOA_X
ClientSampleId :
VSTD050701

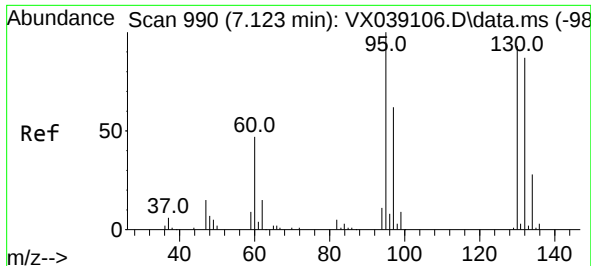
Tgt Ion:117 Resp: 138162
Ion Ratio Lower Upper
117 100
119 94.9 77.0 115.4



#33
Benzene
Concen: 48.668 ug/L
RT: 6.032 min Scan# 811
Delta R.T. -0.006 min
Lab File: VX039128.D
Acq: 11 Dec 2023 09:13

Tgt Ion: 78 Resp: 418980

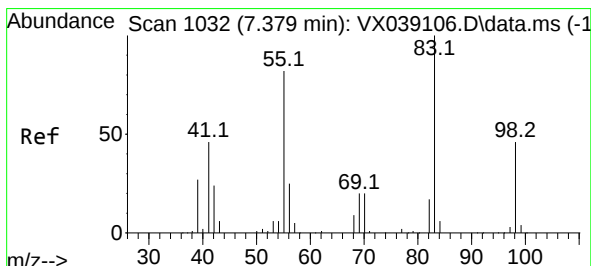
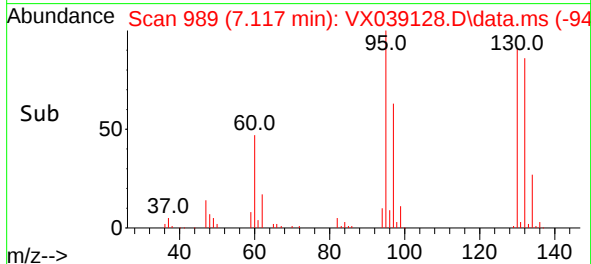
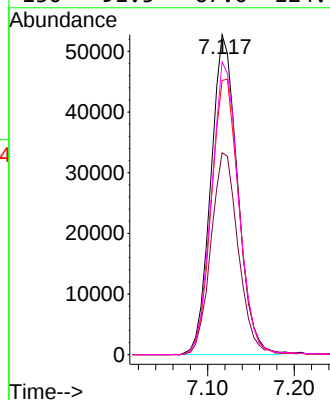
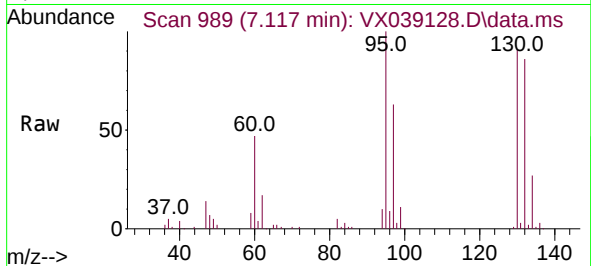




#34
Trichloroethene
Concen: 49.683 ug/L
RT: 7.117 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX039128.D
Acq: 11 Dec 2023 09:13

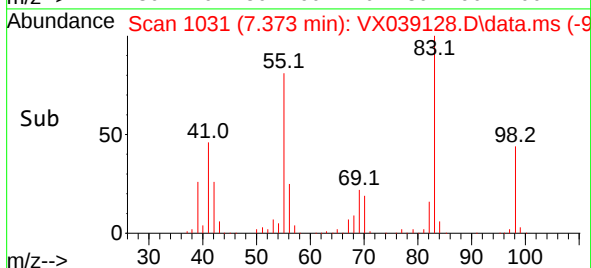
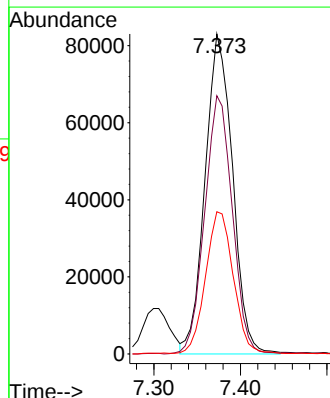
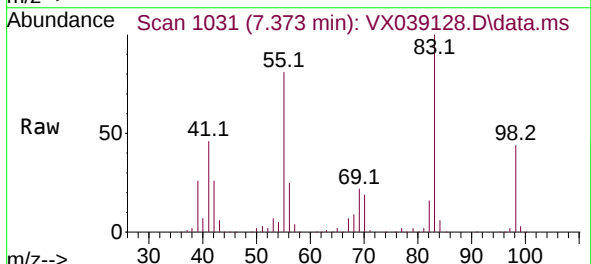
Instrument :
MSVOA_X
ClientSampleId :
VSTD050701

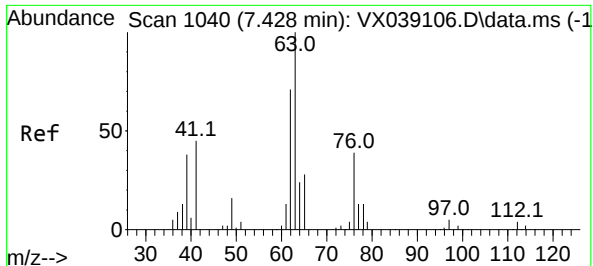
Tgt Ion: 95 Resp: 113036
Ion Ratio Lower Upper
95 100
97 63.1 45.5 84.5
132 85.7 62.2 115.4
130 91.5 67.0 124.4



#35
Methylcyclohexane
Concen: 48.304 ug/L
RT: 7.373 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VX039128.D
Acq: 11 Dec 2023 09:13

Tgt Ion: 83 Resp: 183033
Ion Ratio Lower Upper
83 100
55 81.0 62.5 93.7
98 45.1 36.1 54.1





#37

1,2-Dichloropropane

Concen: 49.047 ug/L

RT: 7.428 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX039128.D

Acq: 11 Dec 2023 09:13

Instrument :

MSVOA_X

ClientSampleId :

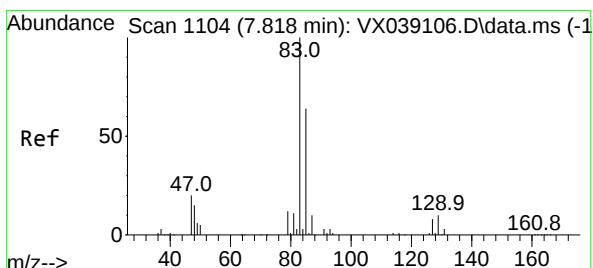
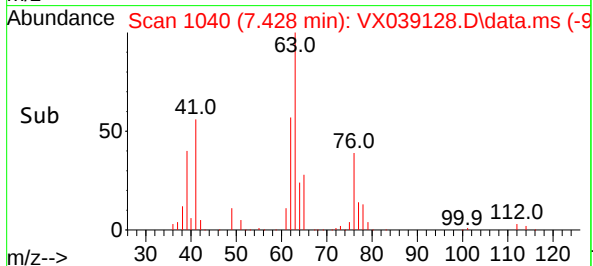
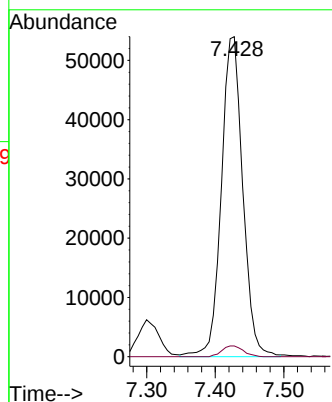
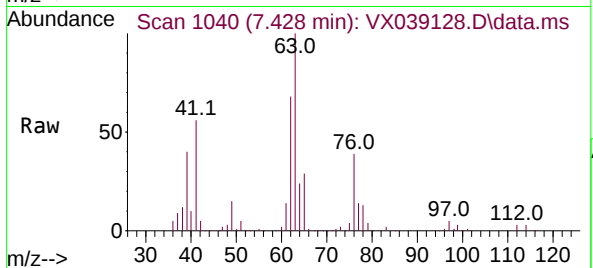
VSTD050701

Tgt Ion: 63 Resp: 117105

Ion Ratio Lower Upper

63 100

112 3.4 2.8 4.2



#38

Bromodichloromethane

Concen: 50.166 ug/L

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX039128.D

Acq: 11 Dec 2023 09:13

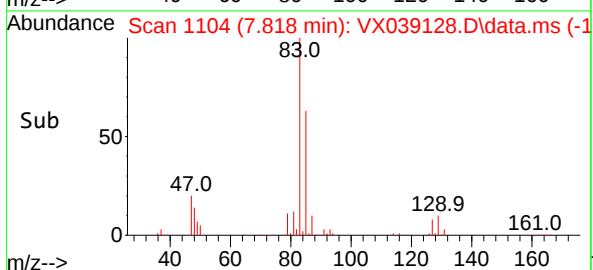
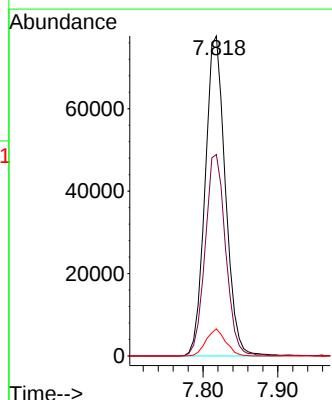
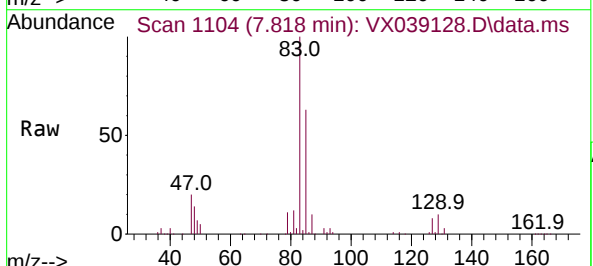
Tgt Ion: 83 Resp: 145682

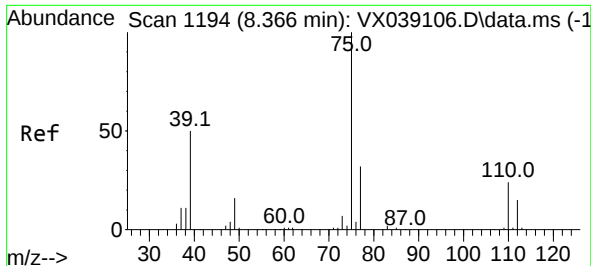
Ion Ratio Lower Upper

83 100

85 63.0 43.3 80.5

127 8.5 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 49.734 ug/L

RT: 8.360 min Scan# 1194

Delta R.T. -0.006 min

Lab File: VX039128.D

Acq: 11 Dec 2023 09:13

Instrument :

MSVOA_X

ClientSampleId :

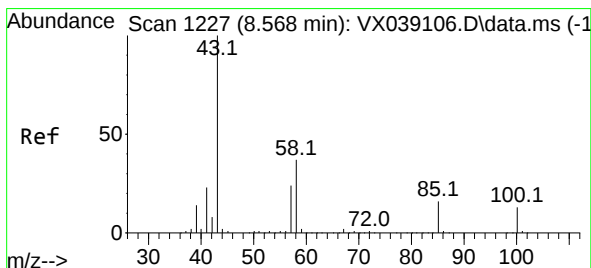
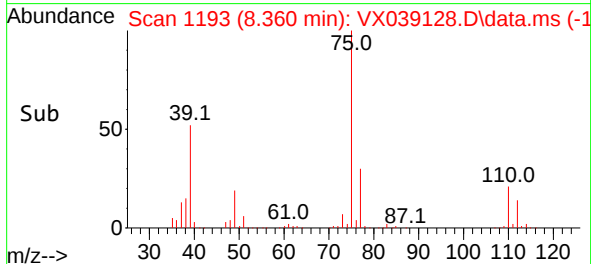
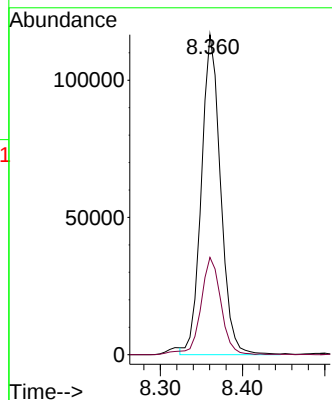
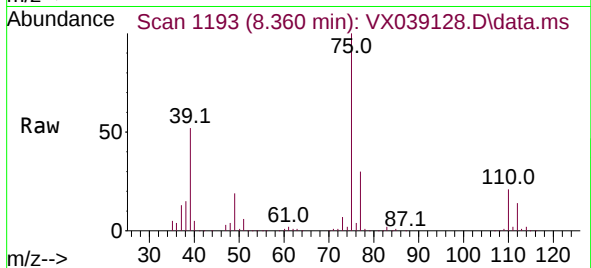
VSTD050701

Tgt Ion: 75 Resp: 189386

Ion Ratio Lower Upper

75 100

77 30.4 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 94.726 ug/L

RT: 8.568 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VX039128.D

Acq: 11 Dec 2023 09:13

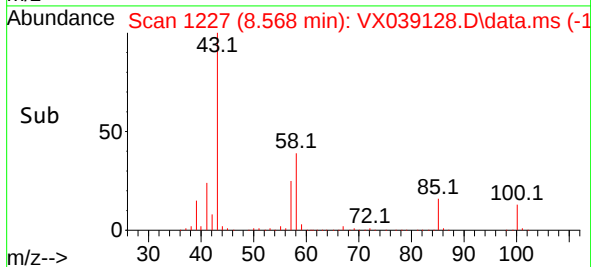
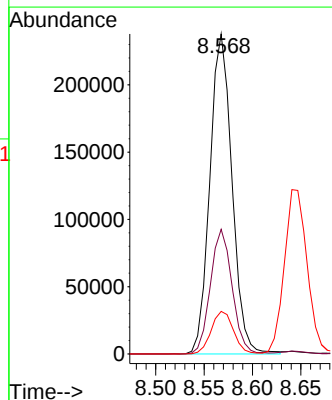
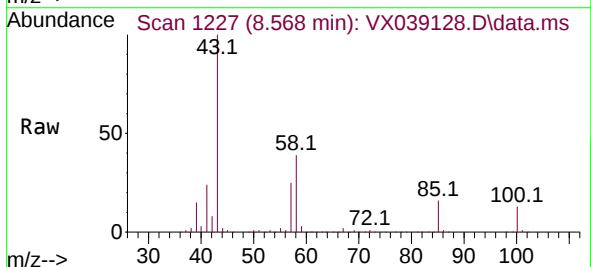
Tgt Ion: 43 Resp: 379051

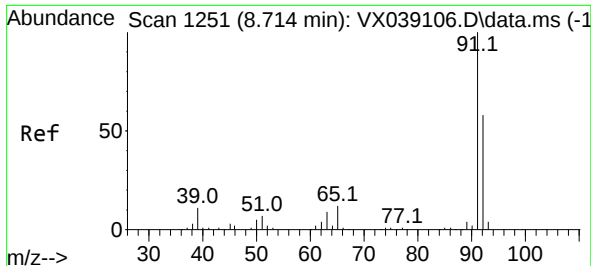
Ion Ratio Lower Upper

43 100

58 38.2 30.9 46.3

100 13.5 10.6 16.0





#42

Toluene

Concen: 48.275 ug/L

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX039128.D

Acq: 11 Dec 2023 09:13

Instrument :

MSVOA_X

ClientSampleId :

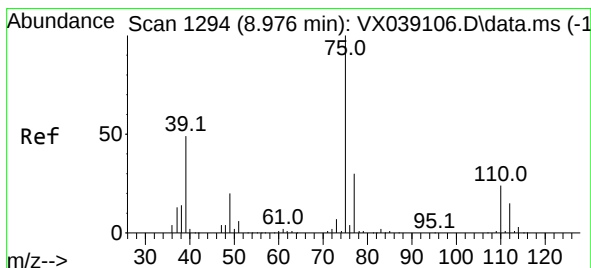
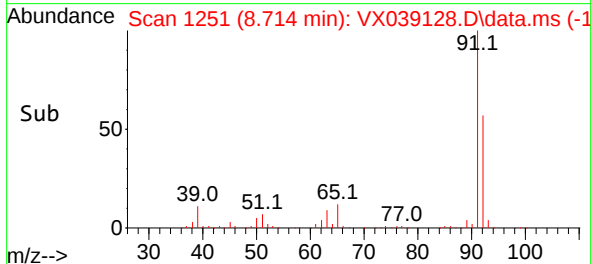
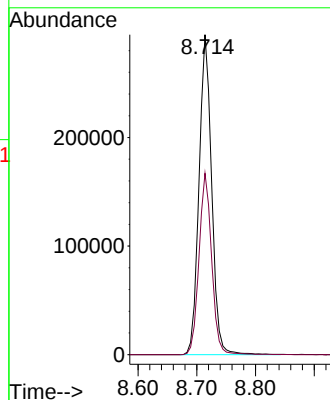
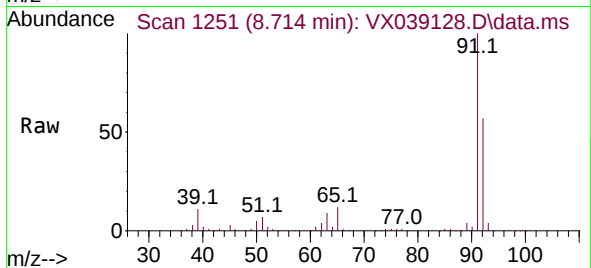
VSTD050701

Tgt Ion: 91 Resp: 440709

Ion Ratio Lower Upper

91 100

92 56.7 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 50.473 ug/L

RT: 8.970 min Scan# 1293

Delta R.T. -0.006 min

Lab File: VX039128.D

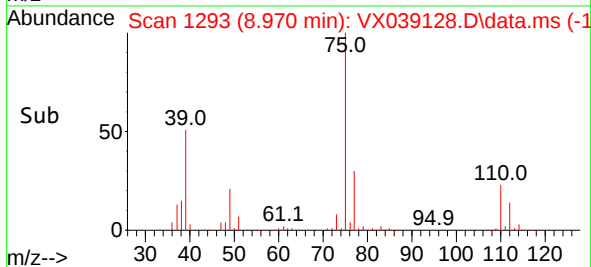
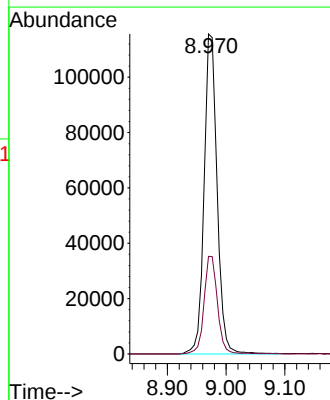
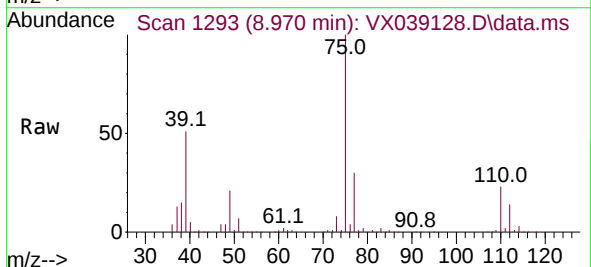
Acq: 11 Dec 2023 09:13

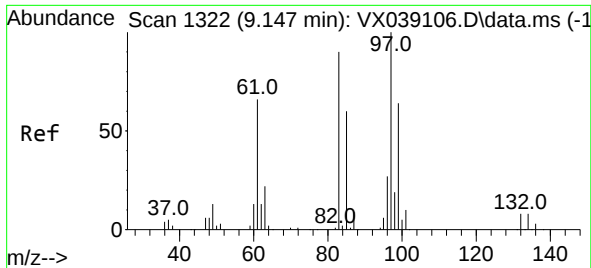
Tgt Ion: 75 Resp: 178363

Ion Ratio Lower Upper

75 100

77 30.5 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 48.884 ug/L

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX039128.D

Acq: 11 Dec 2023 09:13

Instrument :

MSVOA_X

ClientSampleId :

VSTD050701

Tgt Ion: 97 Resp: 106961

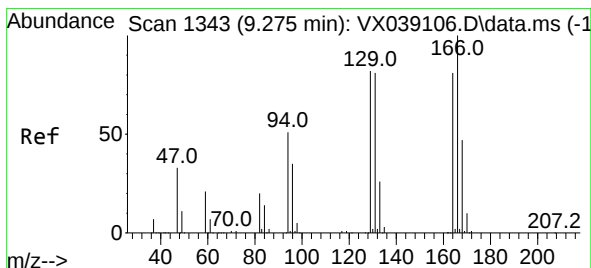
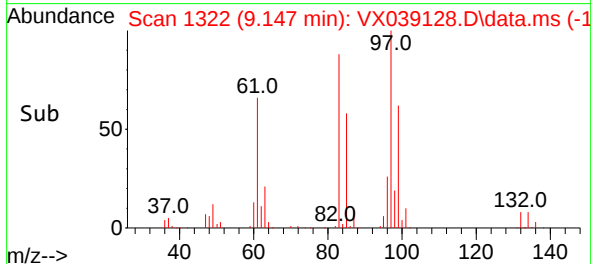
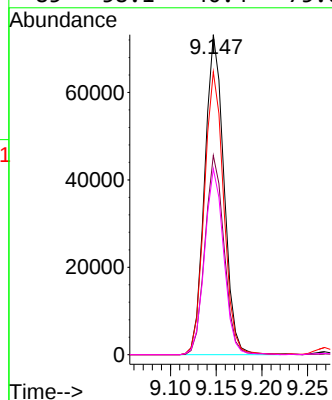
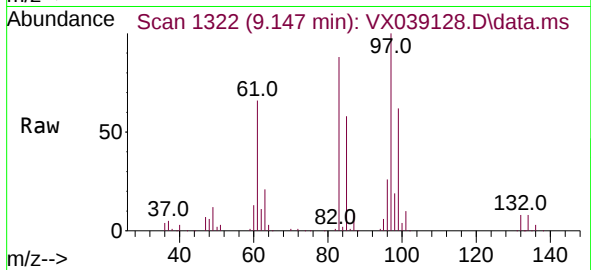
Ion Ratio Lower Upper

97 100

99 62.3 43.1 80.1

83 88.4 64.0 118.8

85 58.1 40.4 75.0



#46

Tetrachloroethene

Concen: 48.888 ug/L

RT: 9.269 min Scan# 1342

Delta R.T. -0.006 min

Lab File: VX039128.D

Acq: 11 Dec 2023 09:13

Tgt Ion: 164 Resp: 73373

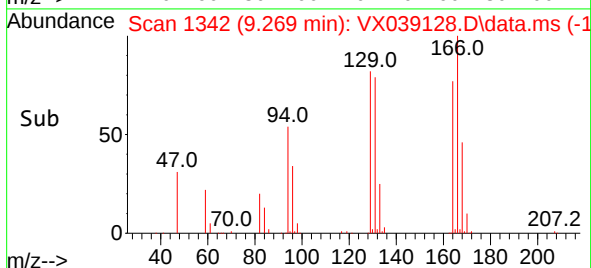
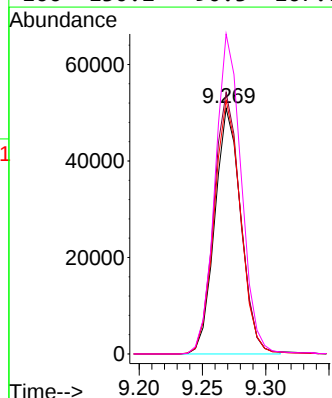
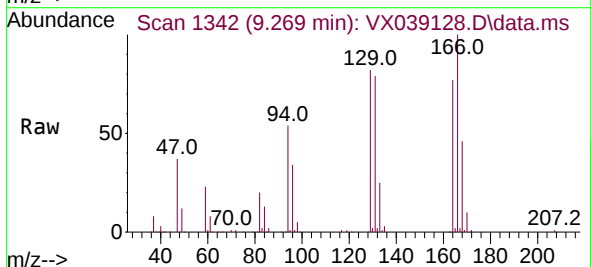
Ion Ratio Lower Upper

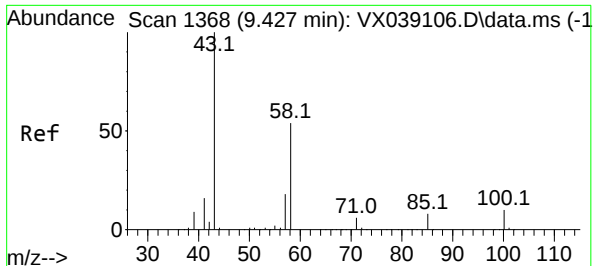
164 100

129 106.4 71.9 133.5

131 103.3 69.5 129.1

166 130.2 90.3 167.7





#48

2-Hexanone

Concen: 95.601 ug/L

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX039128.D

Acq: 11 Dec 2023 09:13

Instrument :

MSVOA_X

ClientSampleId :

VSTD050701

Tgt Ion: 43 Resp: 320181

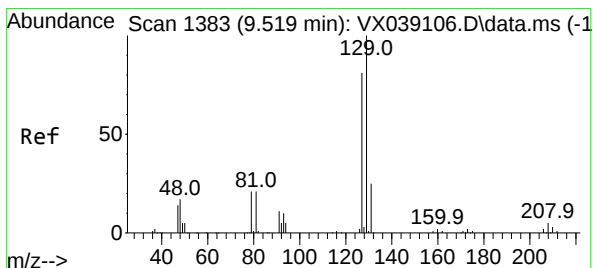
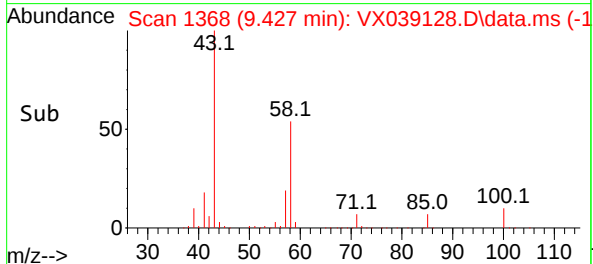
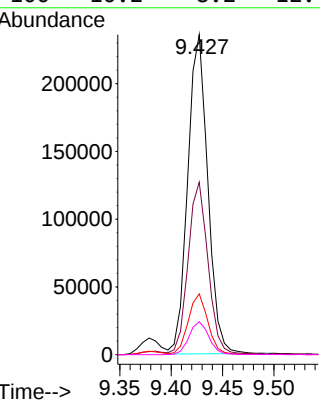
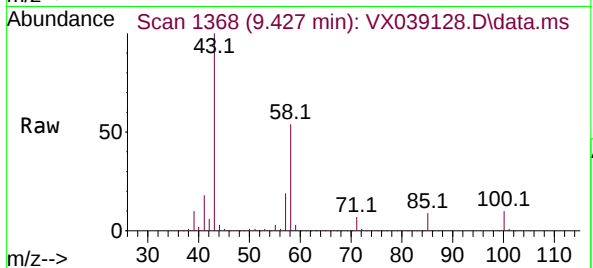
Ion Ratio Lower Upper

43 100

58 53.3 43.0 64.6

57 18.9 14.6 21.8

100 10.2 8.2 12.4



#49

Dibromochloromethane

Concen: 49.606 ug/L

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX039128.D

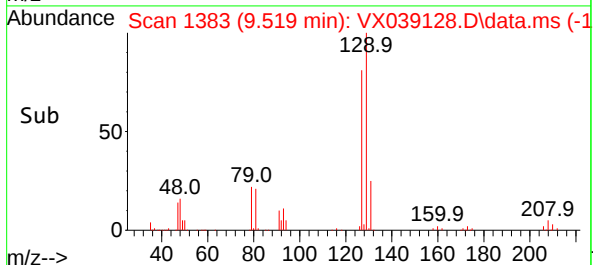
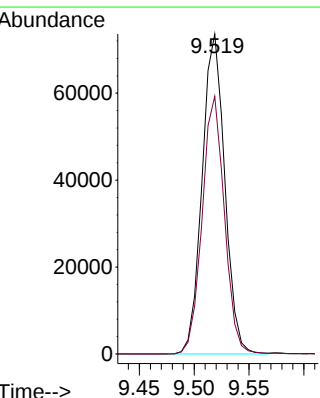
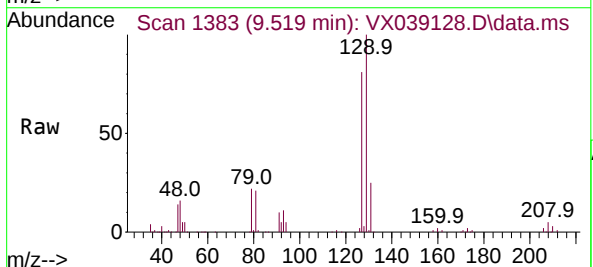
Acq: 11 Dec 2023 09:13

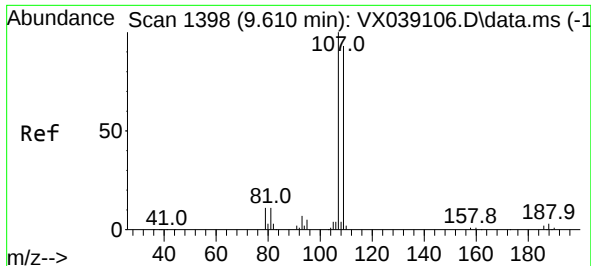
Tgt Ion:129 Resp: 105741

Ion Ratio Lower Upper

129 100

127 80.5 55.2 102.4





#50

1,2-Dibromoethane

Concen: 48.781 ug/L

RT: 9.604 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX039128.D

Acq: 11 Dec 2023 09:13

Instrument :

MSVOA_X

ClientSampleId :

VSTD050701

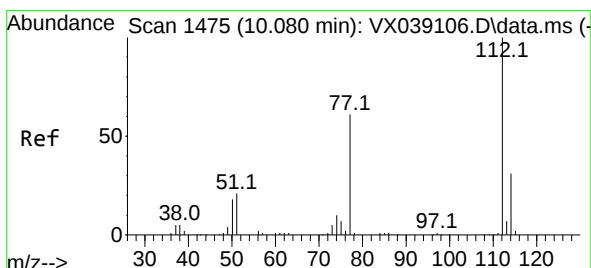
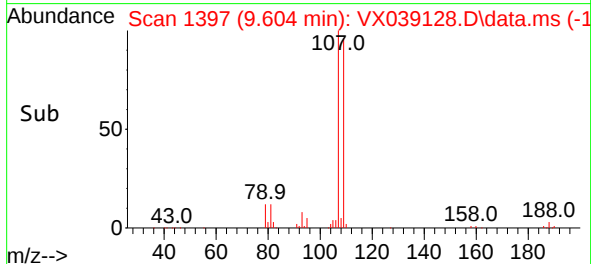
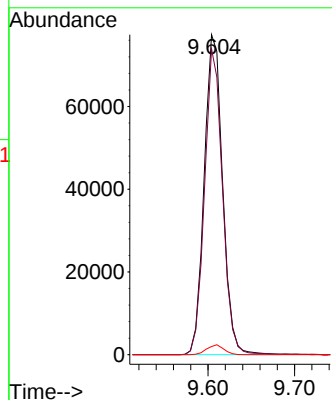
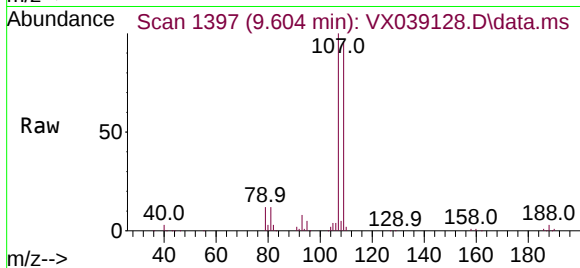
Tgt Ion:107 Resp: 114349

Ion Ratio Lower Upper

107 100

109 95.5 65.2 121.0

188 2.6 2.5 3.7



#51

Chlorobenzene

Concen: 47.918 ug/L

RT: 10.073 min Scan# 1474

Delta R.T. -0.006 min

Lab File: VX039128.D

Acq: 11 Dec 2023 09:13

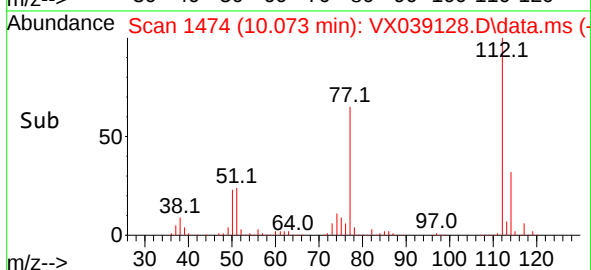
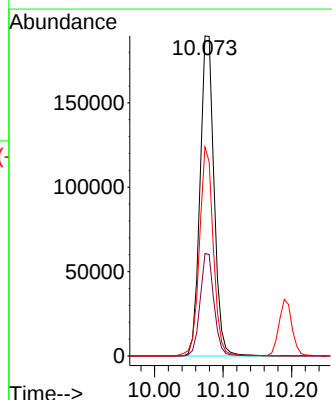
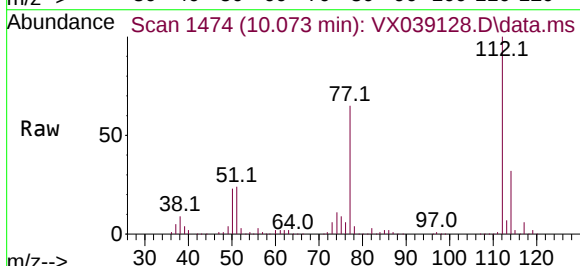
Tgt Ion:112 Resp: 270211

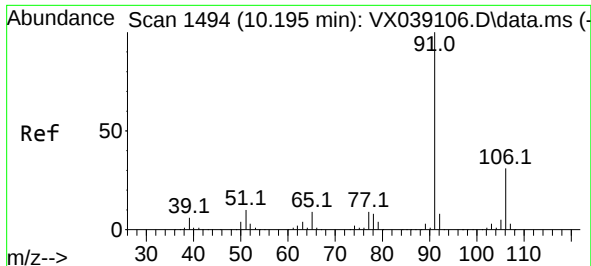
Ion Ratio Lower Upper

112 100

114 32.0 21.8 40.4

77 65.3 49.0 73.6





#52

Ethylbenzene

Concen: 48.380 ug/L

RT: 10.189 min Scan# 1493

Delta R.T. -0.006 min

Lab File: VX039128.D

Acq: 11 Dec 2023 09:13

Instrument :

MSVOA_X

ClientSampleId :

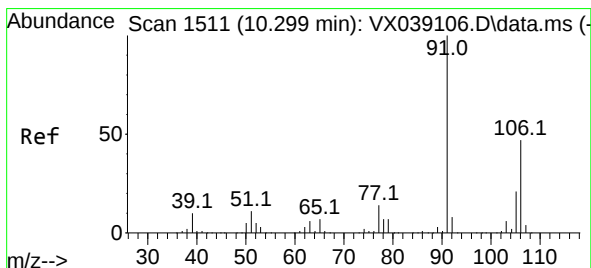
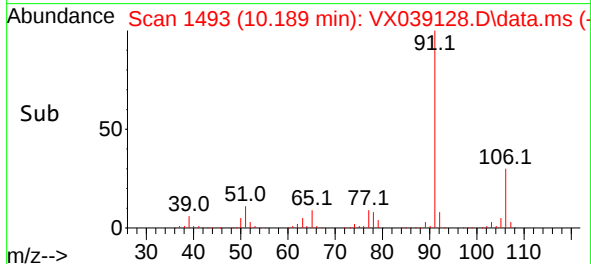
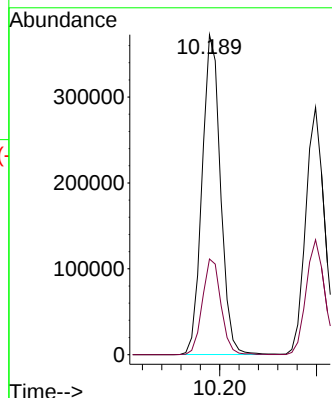
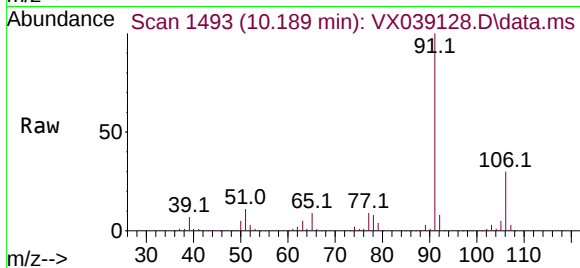
VSTD050701

Tgt Ion: 91 Resp: 493766

Ion Ratio Lower Upper

91 100

106 29.9 21.2 39.4



#53

m,p-Xylene

Concen: 46.876 ug/L

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX039128.D

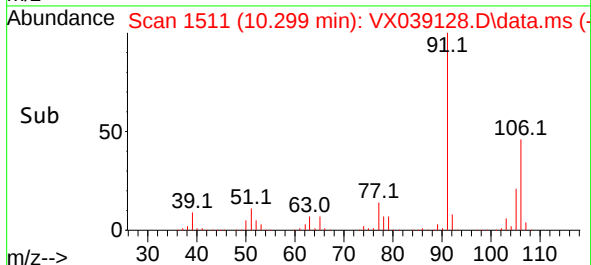
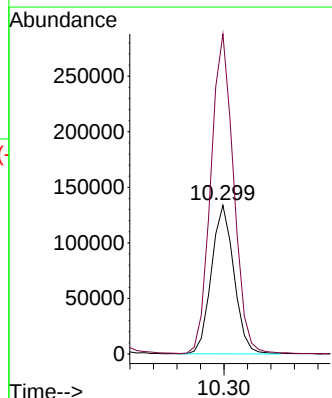
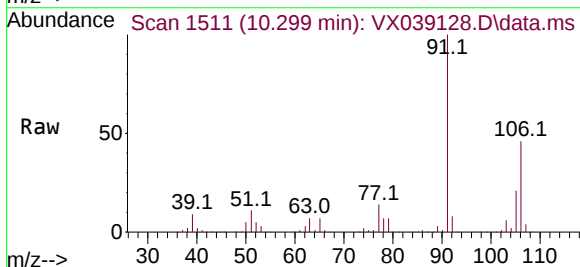
Acq: 11 Dec 2023 09:13

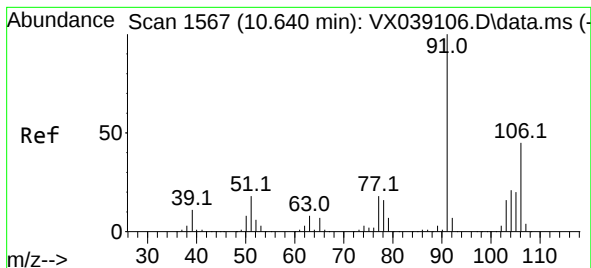
Tgt Ion:106 Resp: 178873

Ion Ratio Lower Upper

106 100

91 215.3 149.0 276.8





#54

o-Xylene

Concen: 48.359 ug/L

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX039128.D

Acq: 11 Dec 2023 09:13

Instrument :

MSVOA_X

ClientSampleId :

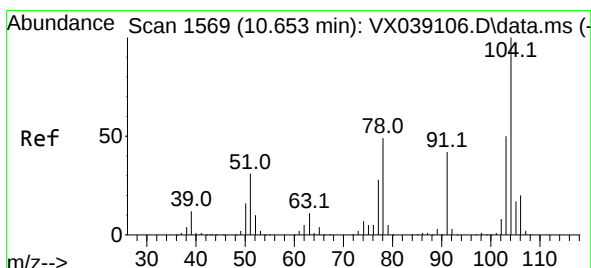
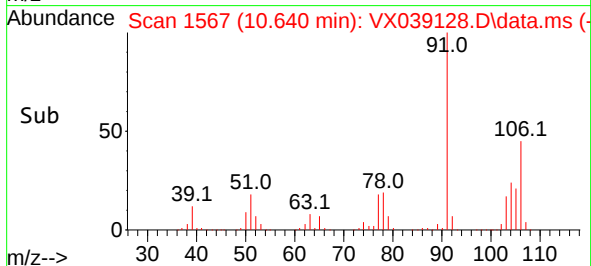
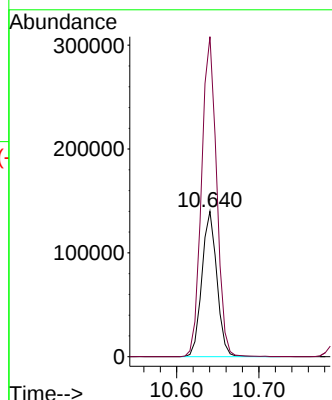
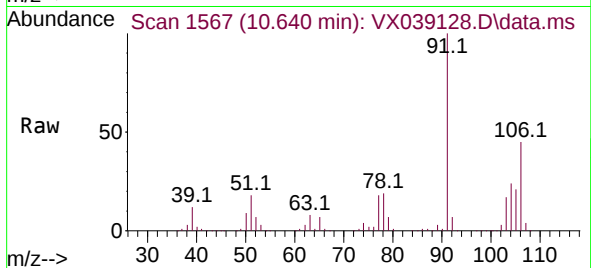
VSTD050701

Tgt Ion:106 Resp: 177068

Ion Ratio Lower Upper

106 100

91 220.3 156.2 290.0



#55

Styrene

Concen: 48.422 ug/L

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX039128.D

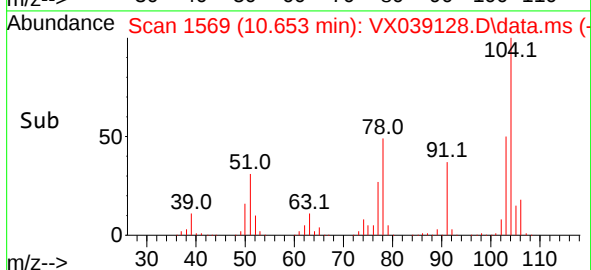
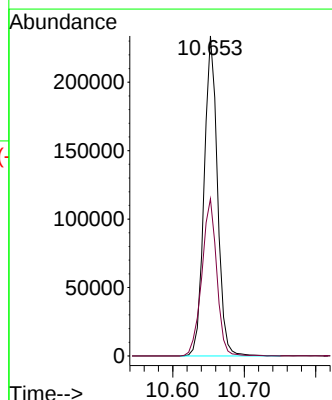
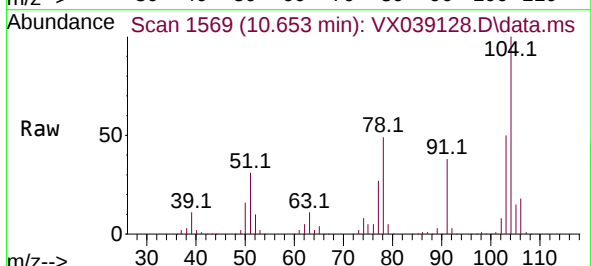
Acq: 11 Dec 2023 09:13

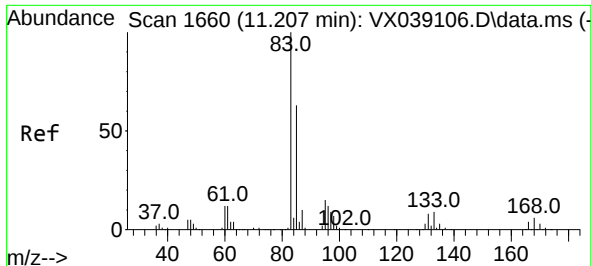
Tgt Ion:104 Resp: 303369

Ion Ratio Lower Upper

104 100

78 49.1 33.5 62.1





#57

1,1,2,2-Tetrachloroethane

Concen: 46.947 ug/L

RT: 11.207 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039128.D

Acq: 11 Dec 2023 09:13

Instrument :

MSVOA_X

ClientSampleId :

VSTD050701

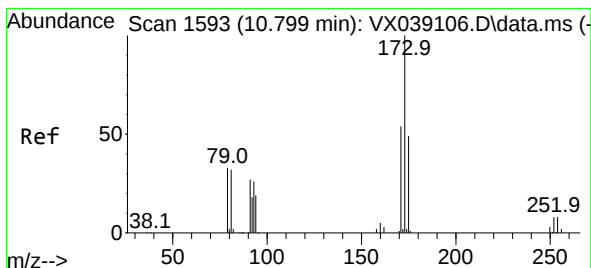
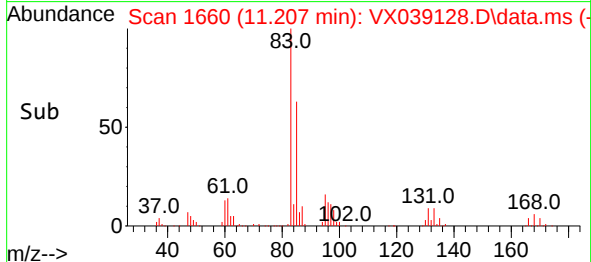
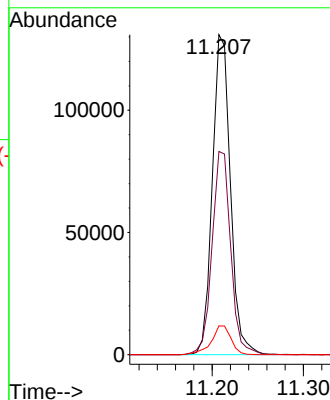
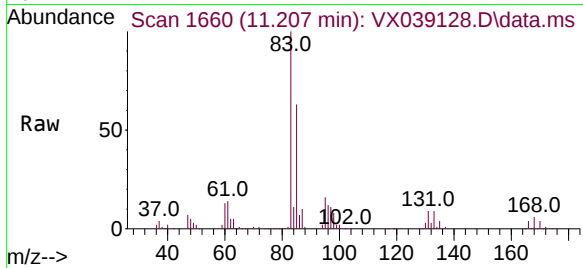
Tgt Ion: 83 Resp: 179270

Ion Ratio Lower Upper

83 100

85 63.5 45.2 84.0

131 9.0 7.2 10.8



#59

Bromoform

Concen: 49.460 ug/L

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX039128.D

Acq: 11 Dec 2023 09:13

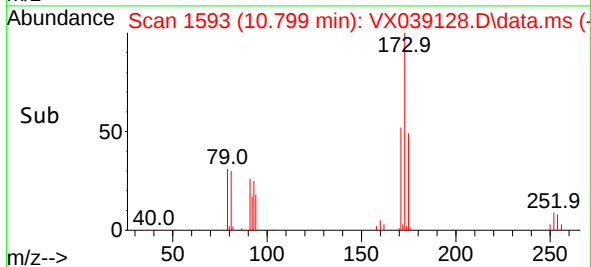
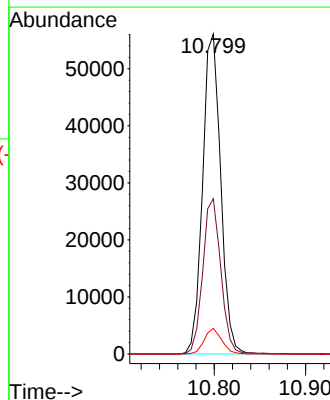
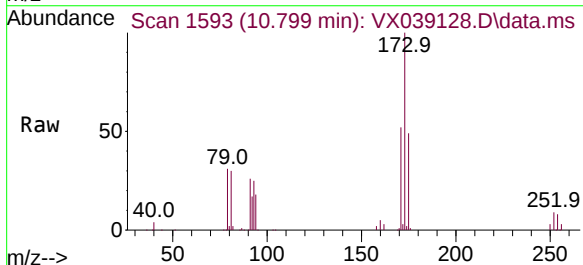
Tgt Ion:173 Resp: 77280

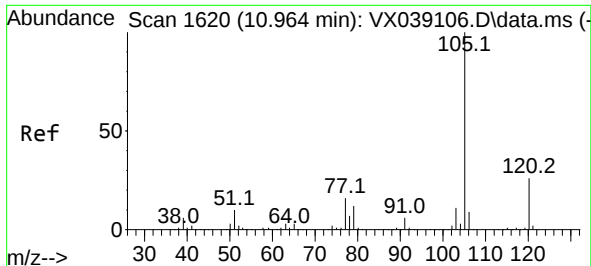
Ion Ratio Lower Upper

173 100

175 48.4 38.7 58.1

254 7.7 6.2 9.2

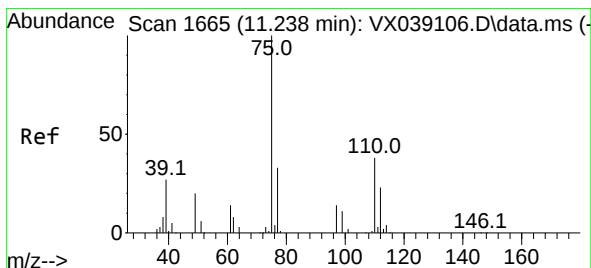
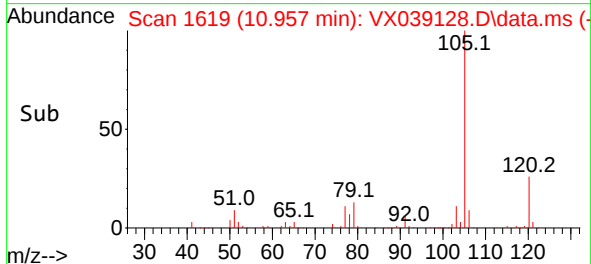
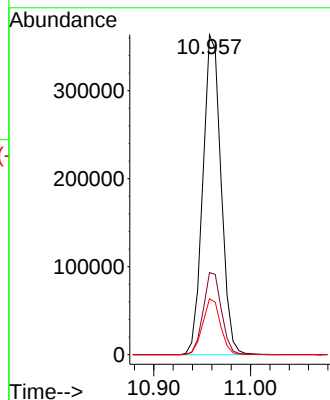
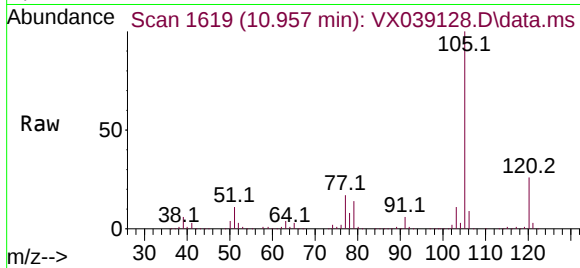




#60
Isopropylbenzene
Concen: 49.036 ug/L
RT: 10.957 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VX039128.D
Acq: 11 Dec 2023 09:13

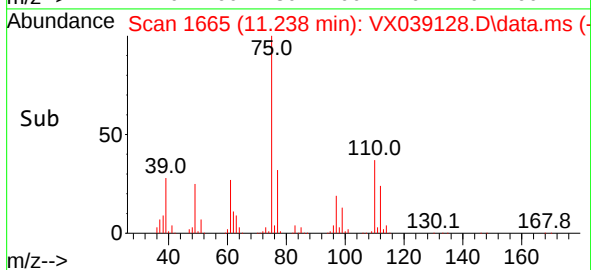
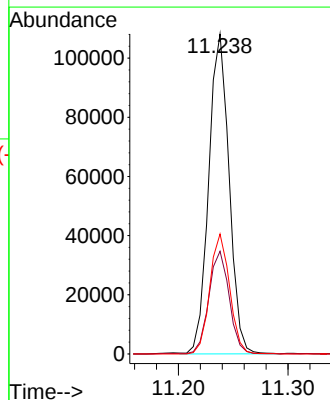
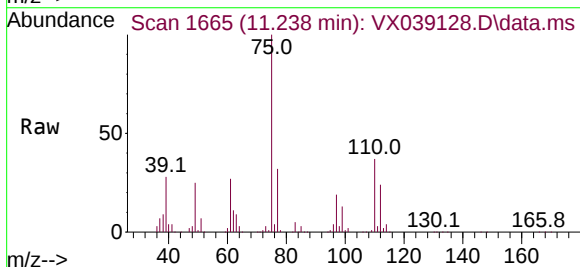
Instrument :
MSVOA_X
ClientSampleId :
VSTD050701

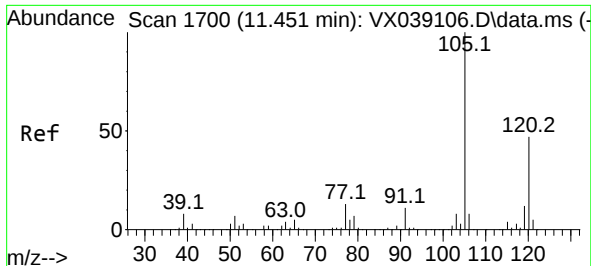
Tgt Ion:105 Resp: 476360
Ion Ratio Lower Upper
105 100
120 25.7 20.5 30.7
77 17.2 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 47.961 ug/L
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX039128.D
Acq: 11 Dec 2023 09:13

Tgt Ion: 75 Resp: 139679
Ion Ratio Lower Upper
75 100
77 32.1 25.8 38.6
110 36.5 28.4 42.6





#62

1,3,5-Trimethylbenzene

Concen: 49.390 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX039128.D

Acq: 11 Dec 2023 09:13

Instrument :

MSVOA_X

ClientSampleId :

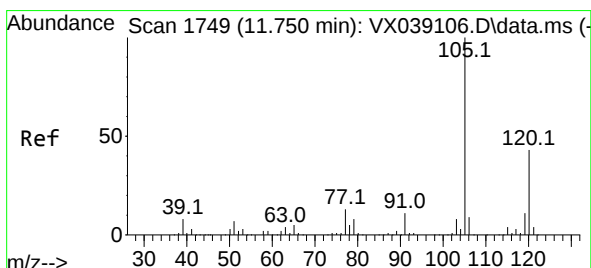
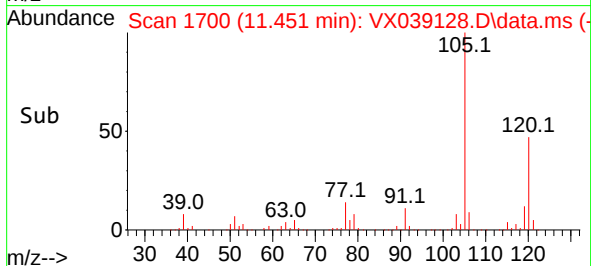
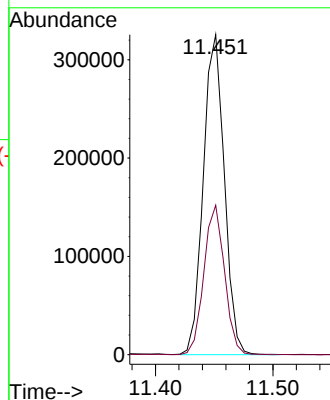
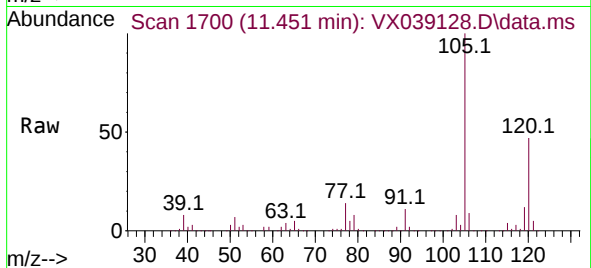
VSTD050701

Tgt Ion:105 Resp: 405074

Ion Ratio Lower Upper

105 100

120 45.8 37.0 55.6



#63

1,2,4-Trimethylbenzene

Concen: 49.301 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX039128.D

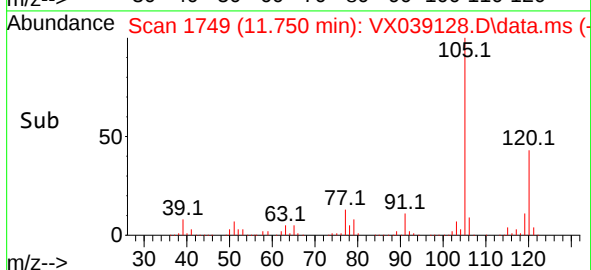
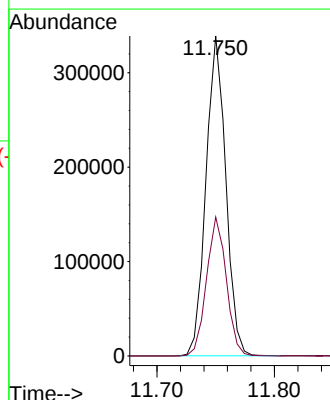
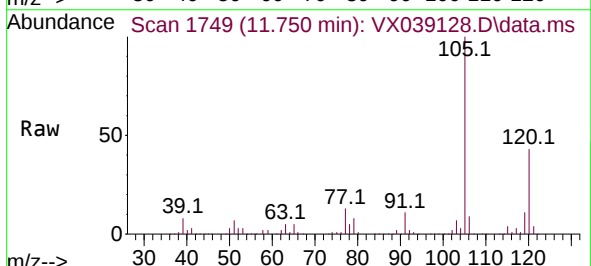
Acq: 11 Dec 2023 09:13

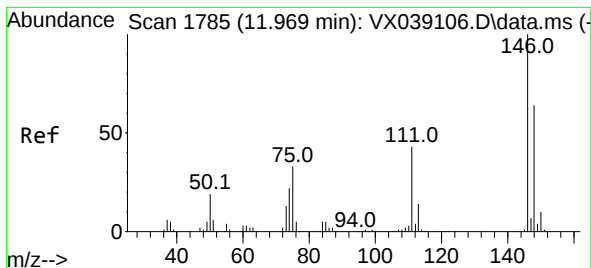
Tgt Ion:105 Resp: 396480

Ion Ratio Lower Upper

105 100

120 43.4 34.9 52.3





#64

1,3-Dichlorobenzene

Concen: 48.625 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX039128.D

Acq: 11 Dec 2023 09:13

Instrument :

MSVOA_X

ClientSampleId :

VSTD050701

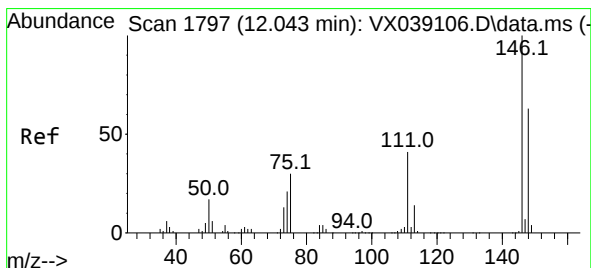
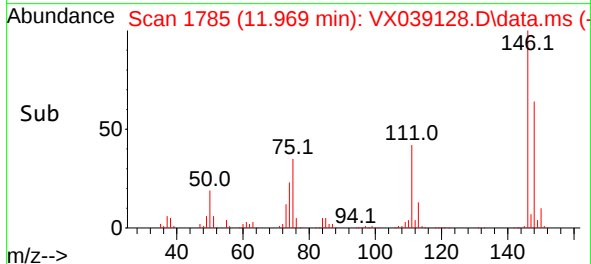
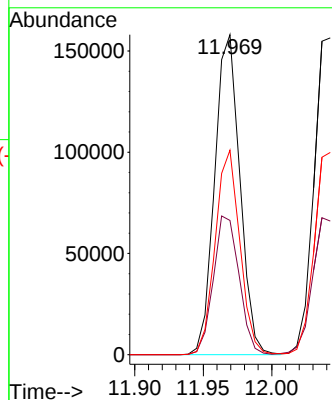
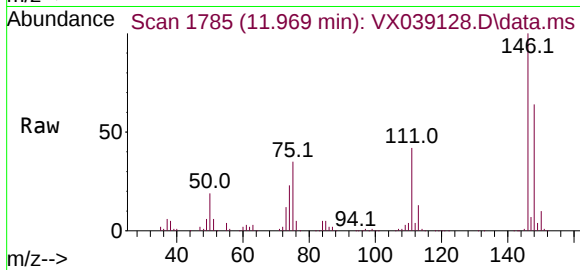
Tgt Ion:146 Resp: 202183

Ion Ratio Lower Upper

146 100

111 42.0 30.0 55.6

148 63.9 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 48.538 ug/L

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX039128.D

Acq: 11 Dec 2023 09:13

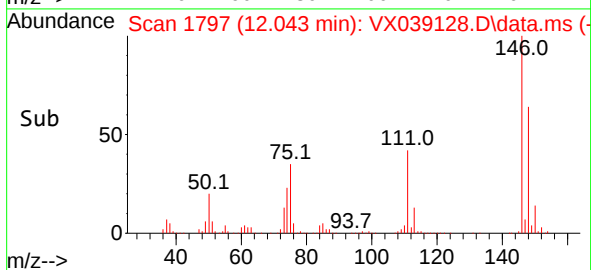
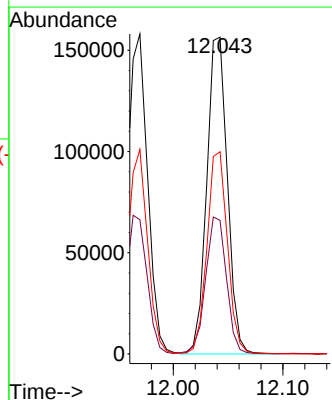
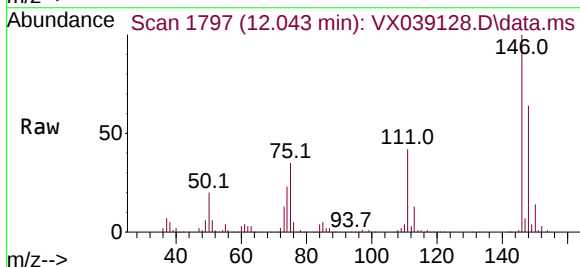
Tgt Ion:146 Resp: 204515

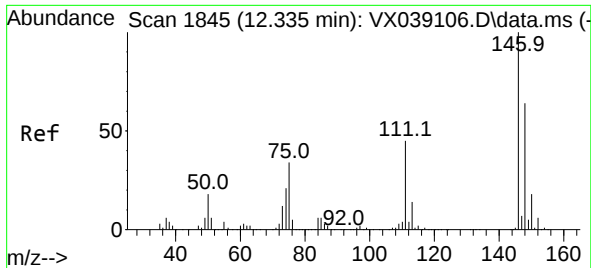
Ion Ratio Lower Upper

146 100

111 42.2 29.7 55.1

148 63.9 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 48.450 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX039128.D

Acq: 11 Dec 2023 09:13

Instrument :

MSVOA_X

ClientSampleId :

VSTD050701

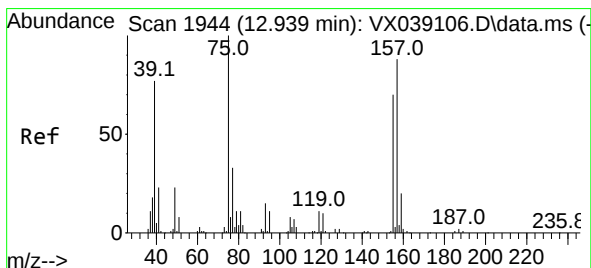
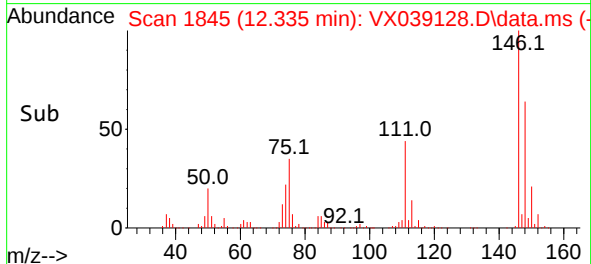
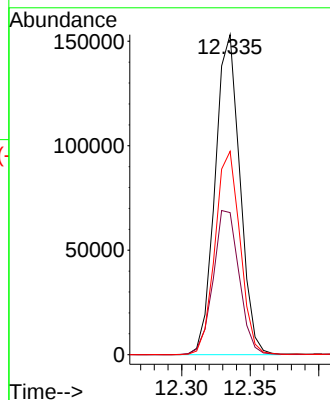
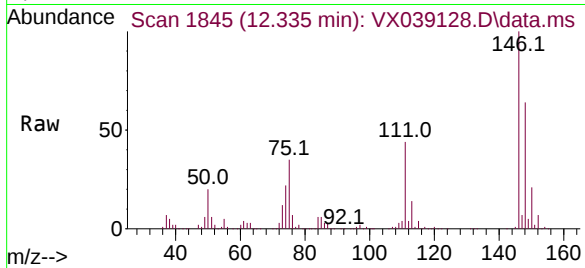
Tgt Ion:146 Resp: 192709

Ion Ratio Lower Upper

146 100

111 44.4 36.4 54.6

148 63.6 50.0 75.0



#68

1,2-Dibromo-3-chloropropane

Concen: 48.133 ug/L

RT: 12.939 min Scan# 1944

Delta R.T. 0.000 min

Lab File: VX039128.D

Acq: 11 Dec 2023 09:13

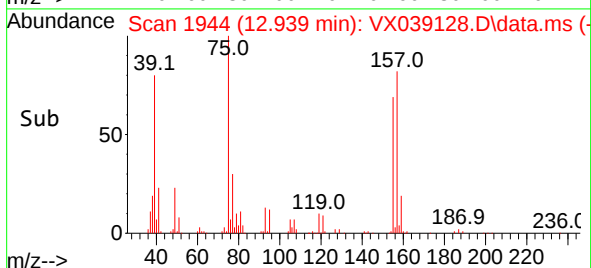
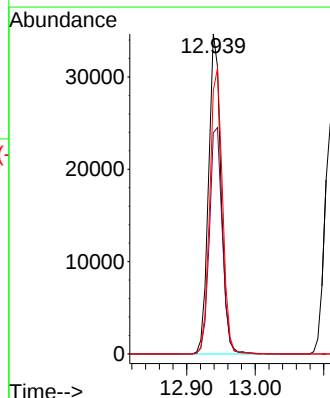
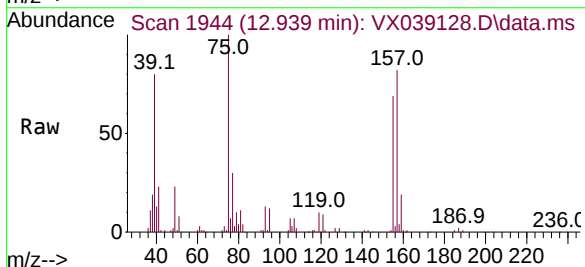
Tgt Ion: 75 Resp: 43749

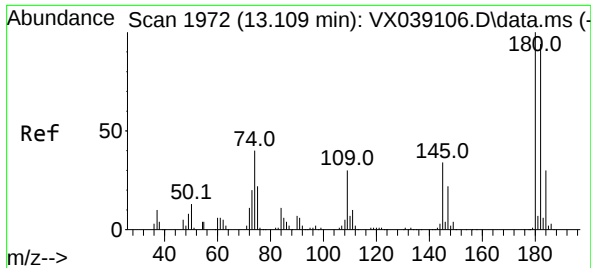
Ion Ratio Lower Upper

75 100

155 69.1 52.3 78.5

157 82.3 68.7 103.1

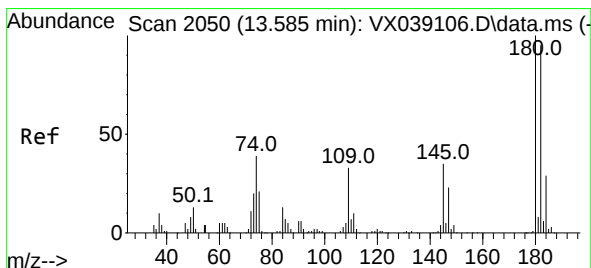
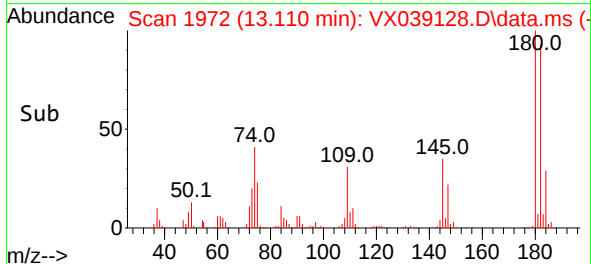
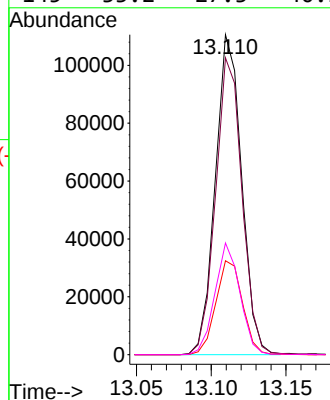
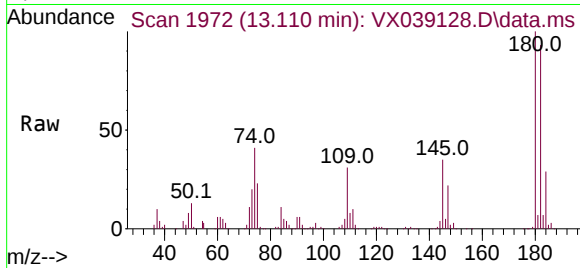




#69
1,3,5-Trichlorobenzene
Concen: 49.144 ug/L
RT: 13.110 min Scan# 1972
Delta R.T. 0.000 min
Lab File: VX039128.D
Acq: 11 Dec 2023 09:13

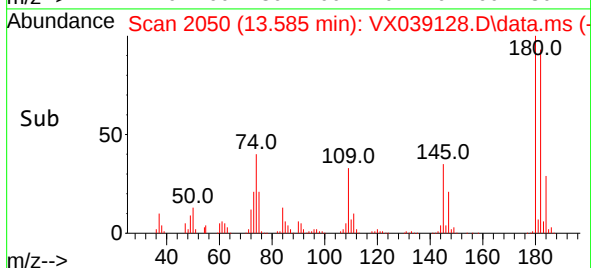
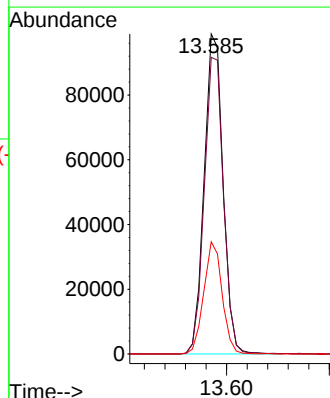
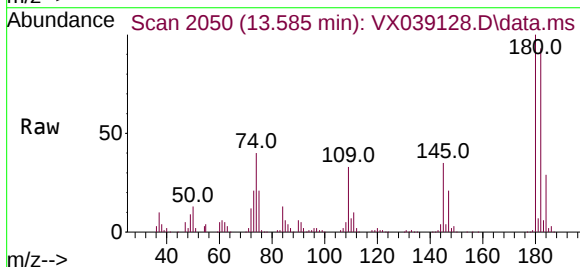
Instrument :
MSVOA_X
ClientSampleId :
VSTD050701

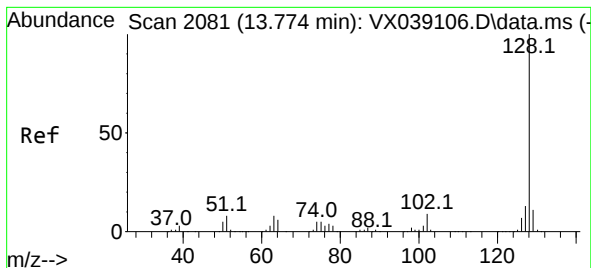
Tgt Ion:180 Resp: 135138
Ion Ratio Lower Upper
180 100
182 93.4 76.1 114.1
184 29.9 24.1 36.1
145 33.2 27.3 40.9



#70
1,2,4-trichlorobenzene
Concen: 48.751 ug/L
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX039128.D
Acq: 11 Dec 2023 09:13

Tgt Ion:180 Resp: 126377
Ion Ratio Lower Upper
180 100
182 94.1 76.8 115.2
145 34.1 27.8 41.6





#71

Naphthalene

Concen: 47.942 ug/L

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX039128.D

Acq: 11 Dec 2023 09:13

Instrument :

MSVOA_X

ClientSampleId :

VSTD050701

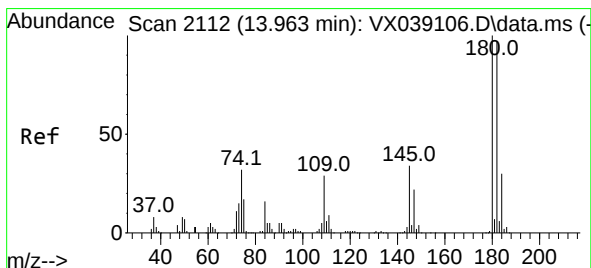
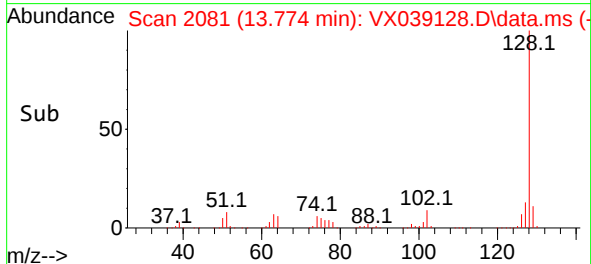
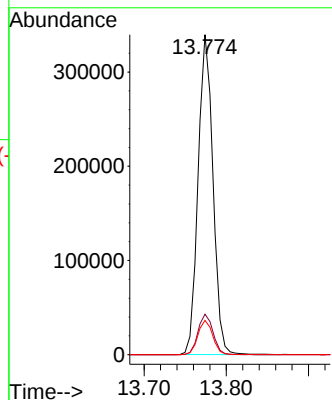
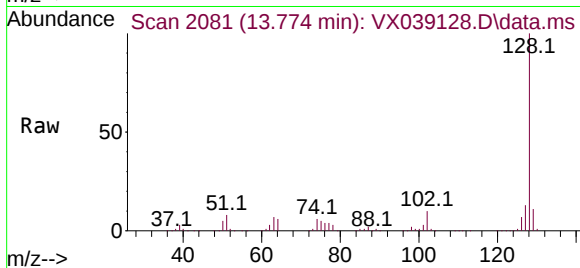
Tgt Ion:128 Resp: 426220

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 10.7 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 47.790 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX039128.D

Acq: 11 Dec 2023 09:13

Tgt Ion:180 Resp: 119955

Ion Ratio Lower Upper

180 100

182 97.0 75.9 113.9

145 36.9 28.6 42.8

