

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030524\
 Data File : VX040584.D
 Acq On : 05 Mar 2024 12:53
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Mar 06 00:09:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 05 13:21:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.897	128	14461	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	78791	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	69001	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	41767	28.919	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.400%
60) 4-Bromofluorobenzene	11.079	95	34794	29.397	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.000%
63) Toluene-d8	8.647	98	98399	32.269	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	107.567%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	516	0.526	ug/l	92
4) Vinyl Chloride	1.374	62	459	0.423	ug/l #	86
5) Bromomethane	1.611	94	238	0.359	ug/l #	80
7) Trichlorofluoromethane	1.892	101	730	0.441	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.325	101	691	0.763	ug/l	82
10) 1,1-Dichloroethene	2.325	96	488	0.566	ug/l	82
11) Methyl Iodide	2.459	142	338	0.324	ug/l #	67
12) Methyl Acetate	2.691	43	354	0.249	ug/l #	54
13) Acrolein	2.239	56	641	2.394	ug/l	94
14) Acrylonitrile	3.069	53	1128	2.017	ug/l	86
15) Acetone	2.374	58	228	1.426	ug/l #	2
16) Carbon Disulfide	2.514	76	5063	2.136	ug/l	98
18) Methylene Chloride	2.794	84	677	0.688	ug/l #	84
19) trans-1,2-Dichloroethene	3.099	96	826	0.877	ug/l #	86
22) cis-1,2-Dichloroethene	4.489	96	290	0.265	ug/l #	68
23) tert-Butyl Alcohol	2.953	59	425	1.608	ug/l #	100
29) 1,1-Dichloropropene	5.690	75	385	0.282	ug/l #	60
30) 2-Butanone	4.574	43	530	0.637	ug/l #	77
37) Trichloroethene	7.135	130	771	0.779	ug/l #	60
38) Methylcyclohexane	7.367	83	835	0.569	ug/l	88
40) Dibromomethane	7.586	93	257	0.349	ug/l	80
42) Vinyl Acetate	3.727	43	582	0.203	ug/l #	76
45) 1,4-Dioxane	7.659	88	108	4.199	ug/l #	22
46) Methyl methacrylate	7.385	41	318	0.256	ug/l #	43
48) t-1,3-Dichloropropene	8.988	75	610	0.394	ug/l #	82
49) cis-1,3-Dichloropropene	8.379	75	451	0.286	ug/l #	64
55) 2-Chloroethyl vinyl ether	8.244	63	1902	2.425	ug/l	94
58) 4-Methyl-2-Pentanone	8.580	43	860	0.560	ug/l #	72
59) 2-Hexanone	9.439	43	1080	0.870	ug/l	92
61) Tetrachloroethene	9.281	164	669	0.817	ug/l #	76
62) Toluene	8.720	91	1541	0.405	ug/l	98
64) Chlorobenzene	10.073	112	1345	0.579	ug/l #	81
66) Ethyl Benzene	10.195	91	1934	0.441	ug/l	89
67) m/p-Xylenes	10.305	106	1439	0.889	ug/l	88
68) o-Xylene	10.640	106	611	0.392	ug/l	81
69) Styrene	10.665	104	868	0.332	ug/l #	91
70) Isopropylbenzene	10.963	105	2013	0.478	ug/l	94
72) 1,2,3-Trichloropropane	11.244	75	289	0.218	ug/l	71
73) Bromobenzene	11.207	156	544	0.546	ug/l	95

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

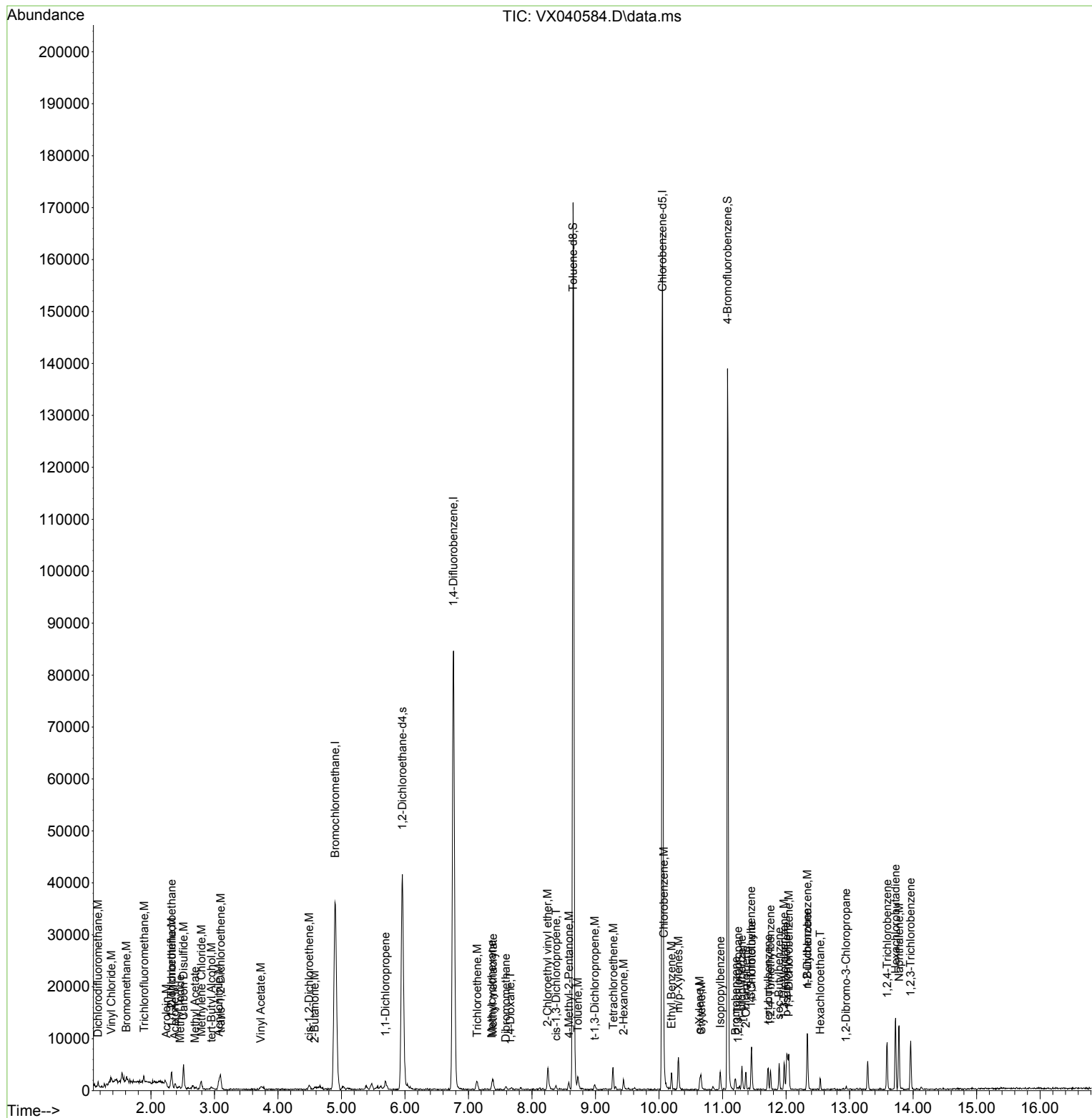
74) n-propylbenzene	11.305	91	3249	0.625	ug/l	97
75) 2-Chlorotoluene	11.366	91	1570	0.509	ug/l	90
76) 1,3,5-Trimethylbenzene	11.451	105	1879	0.507	ug/l	98
78) 4-Chlorotoluene	11.457	91	2493	0.677	ug/l	98
79) tert-butylbenzene	11.719	119	1702	0.492	ug/l	97
80) 1,2,4-Trimethylbenzene	11.756	105	1731	0.474	ug/l	88
81) sec-Butylbenzene	11.890	105	2580	0.565	ug/l	91
82) p-Isopropyltoluene	12.006	119	2589	0.693	ug/l	96
83) 1,3-Dichlorobenzene	11.969	146	1649	0.851	ug/l	87
84) 1,4-Dichlorobenzene	12.043	146	2060	1.039	ug/l	99
85) n-Butylbenzene	12.335	91	3347	0.920	ug/l	96
86) Hexachloroethane	12.536	117	357	0.547	ug/l #	51
87) 1,2-Dichlorobenzene	12.335	146	1404	0.745	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	12.945	75	127	0.322	ug/l #	63
89) 1,2,4-Trichlorobenzene	13.591	180	2319	1.828	ug/l	100
90) Hexachlorobutadiene	13.725	225	1840	3.587	ug/l	98
91) Naphthalene	13.780	128	7818	1.889	ug/l	98
92) 1,2,3-Trichlorobenzene	13.963	180	2485	1.987	ug/l	86

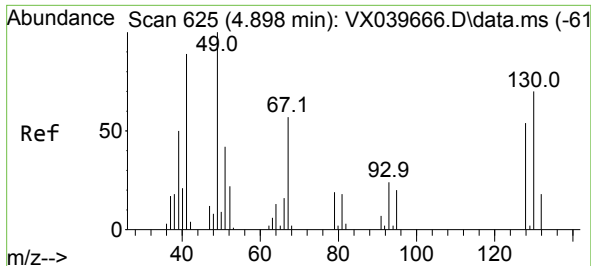
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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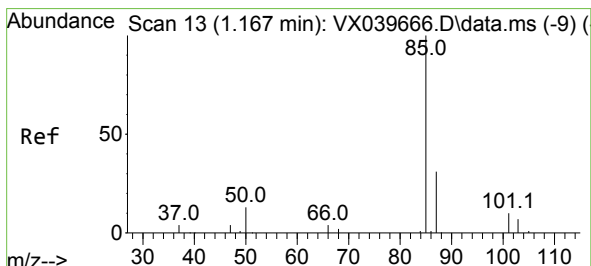
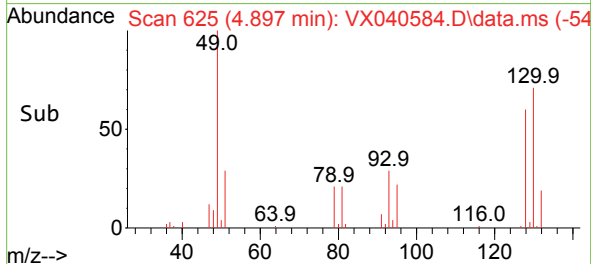
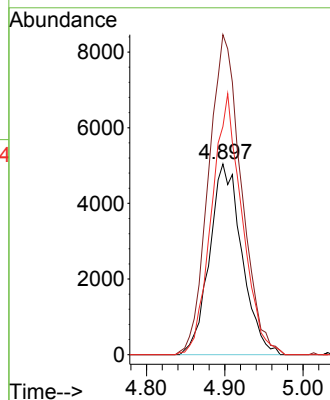
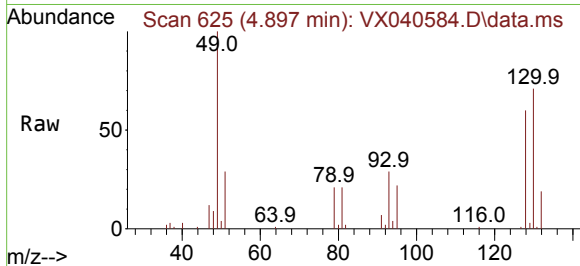




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

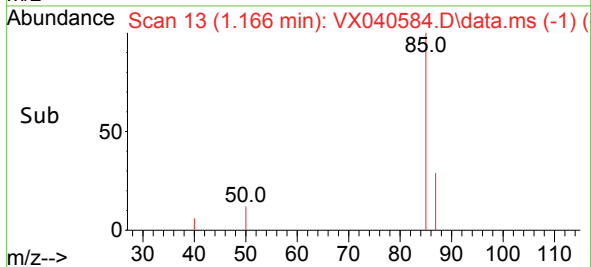
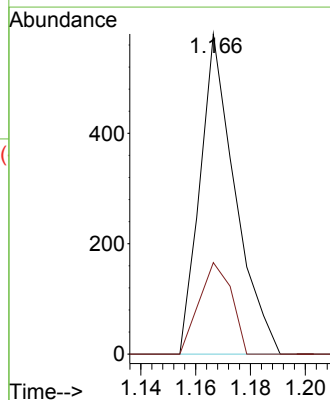
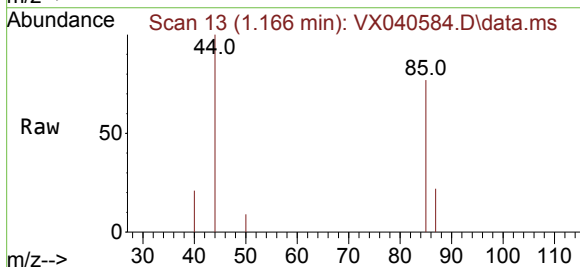
Instrument :
MSVOA_X
ClientSampleId :
IBLK

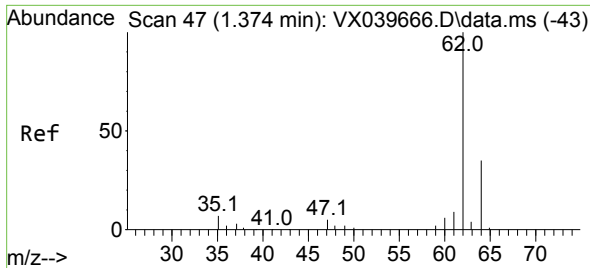
Tgt Ion:128 Resp: 14461
Ion Ratio Lower Upper
128 100
49 170.5 0.0 444.0
130 128.9 0.0 297.8



#2
Dichlorodifluoromethane
Concen: 0.526 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.001 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

Tgt Ion: 85 Resp: 516
Ion Ratio Lower Upper
85 100
87 28.6 16.7 50.1

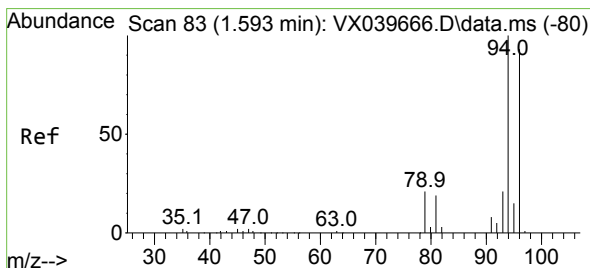
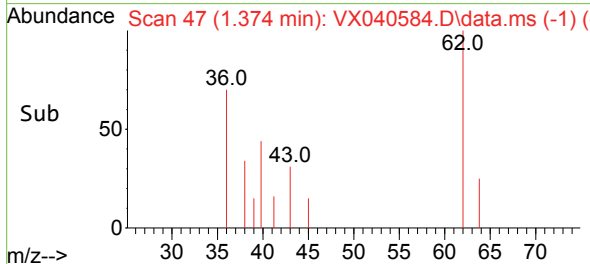
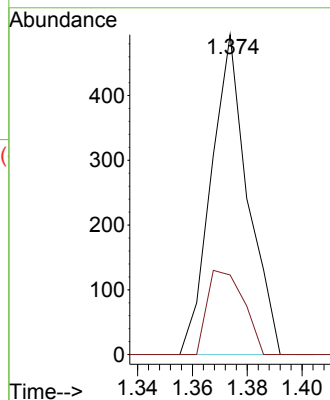
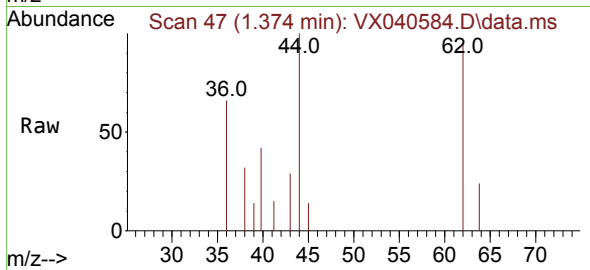




#4
 Vinyl Chloride
 Concen: 0.423 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX040584.D
 Acq: 05 Mar 2024 12:53

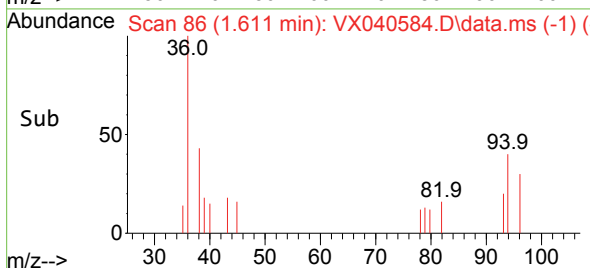
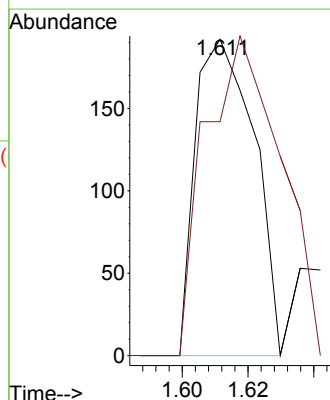
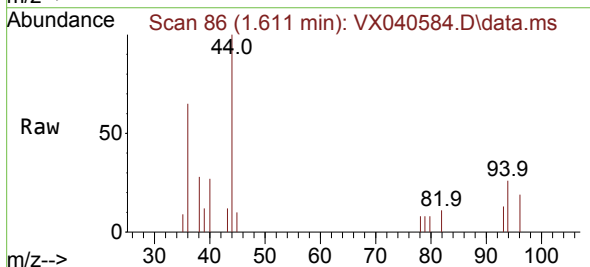
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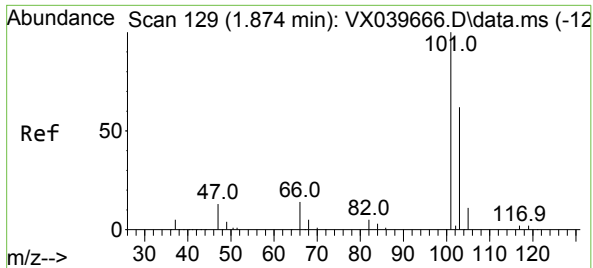
Tgt Ion: 62 Resp: 459
 Ion Ratio Lower Upper
 62 100
 64 24.9 26.3 39.5#



#5
 Bromomethane
 Concen: 0.359 ug/l
 RT: 1.611 min Scan# 86
 Delta R.T. 0.018 min
 Lab File: VX040584.D
 Acq: 05 Mar 2024 12:53

Tgt Ion: 94 Resp: 238
 Ion Ratio Lower Upper
 94 100
 96 74.0 74.9 112.3#

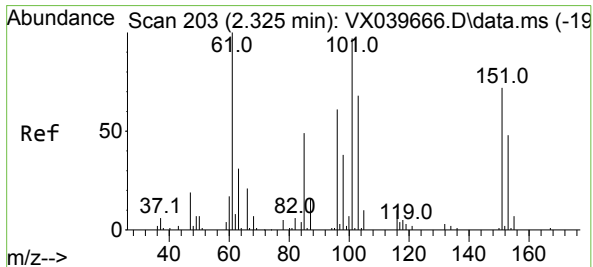
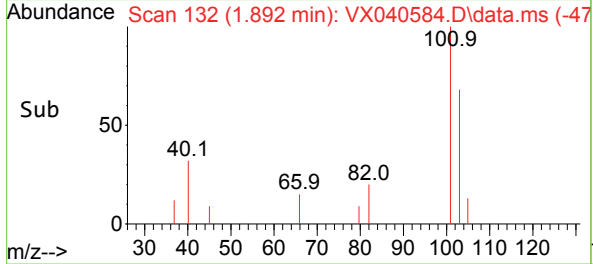
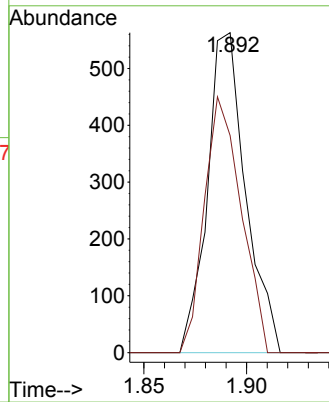
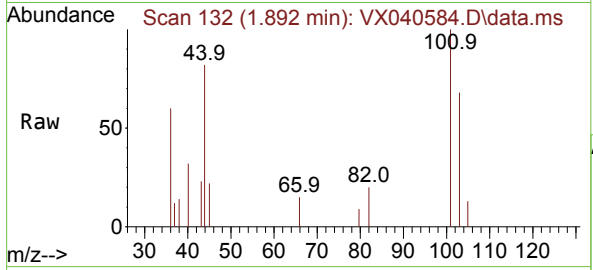




#7
Trichlorofluoromethane
Concen: 0.441 ug/l
RT: 1.892 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

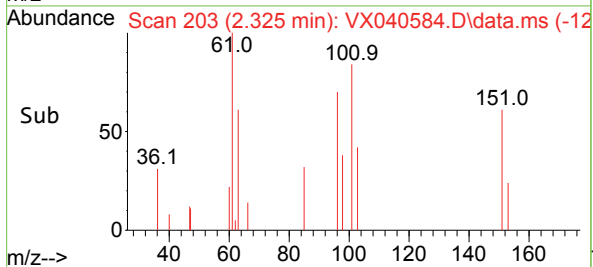
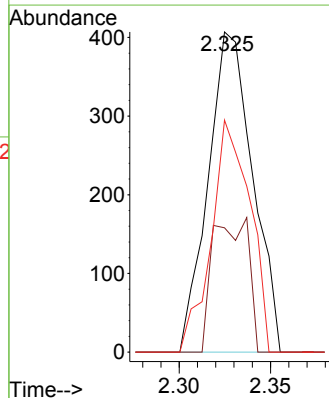
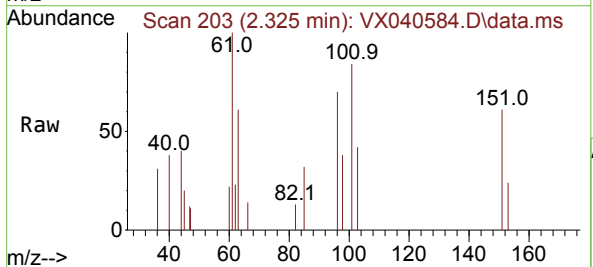
Instrument :
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ClientSampleId :
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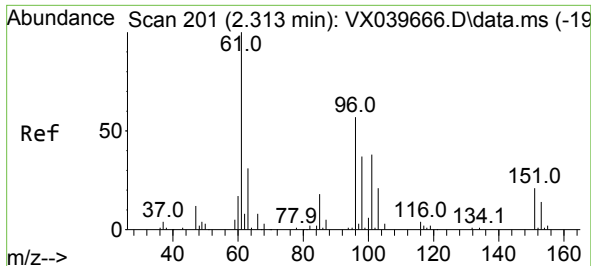
Tgt Ion:101 Resp: 730
Ion Ratio Lower Upper
101 100
103 67.9 49.1 73.7



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.763 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

Tgt Ion:101 Resp: 691
Ion Ratio Lower Upper
101 100
85 24.5 0.0 95.2
151 62.7 0.0 136.8

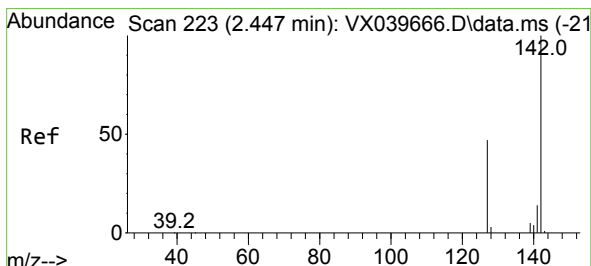
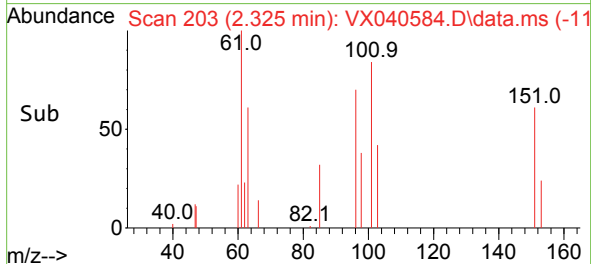
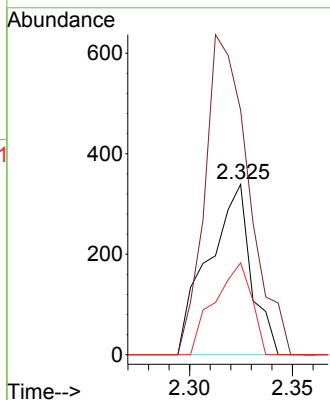
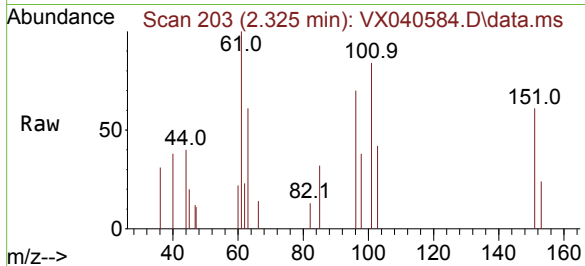




#10
1,1-Dichloroethene
Concen: 0.566 ug/l
RT: 2.325 min Scan# 201
Delta R.T. 0.012 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

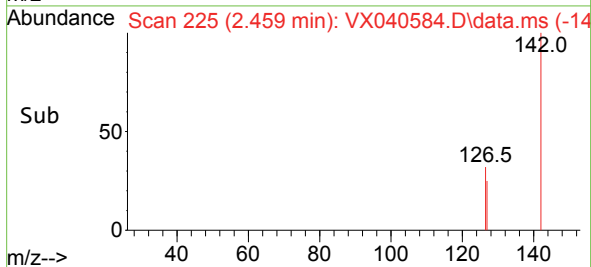
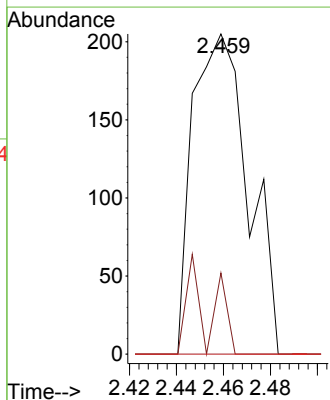
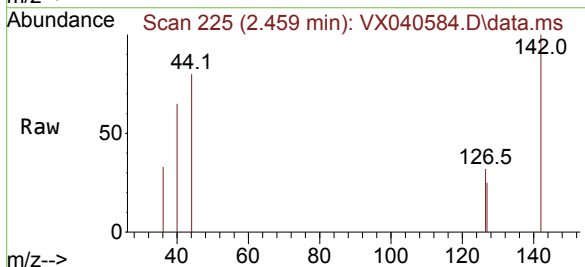
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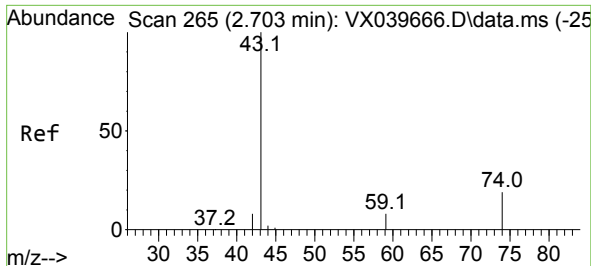
Tgt Ion: 96 Resp: 488
Ion Ratio Lower Upper
96 100
61 143.7 138.3 207.5
98 54.0 49.8 74.6



#11
Methyl Iodide
Concen: 0.324 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.012 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

Tgt Ion: 142 Resp: 338
Ion Ratio Lower Upper
142 100
127 25.4 23.8 71.4
141 0.0 6.9 20.6#





#12

Methyl Acetate

Concen: 0.249 ug/l

RT: 2.691 min Scan# 2

Delta R.T. -0.012 min

Lab File: VX040584.D

Acq: 05 Mar 2024 12:53

Instrument :

MSVOA_X

ClientSampleId :

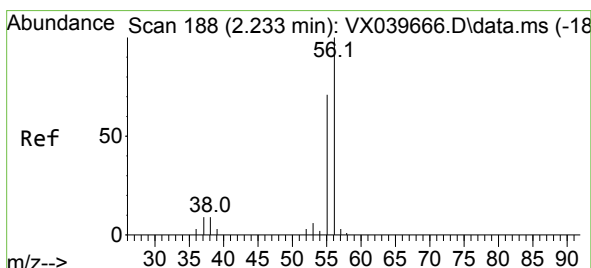
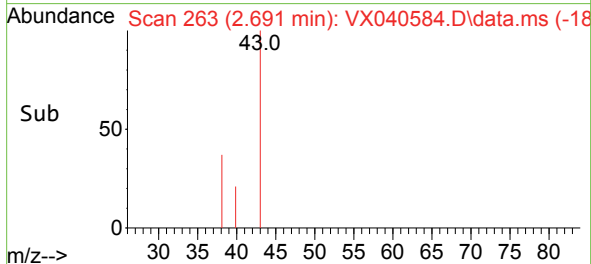
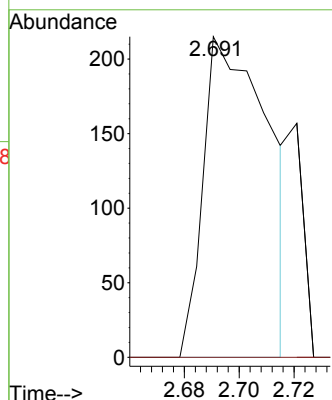
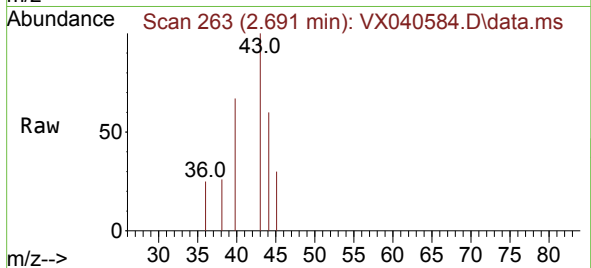
IBLK

Tgt Ion: 43 Resp: 354

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.6#



#13

Acrolein

Concen: 2.394 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX040584.D

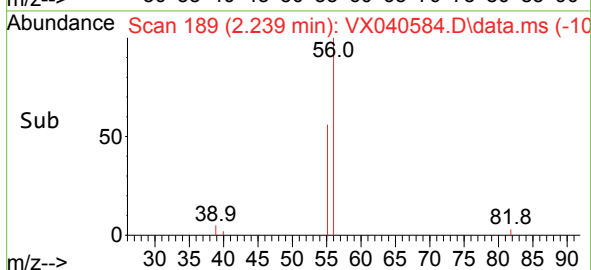
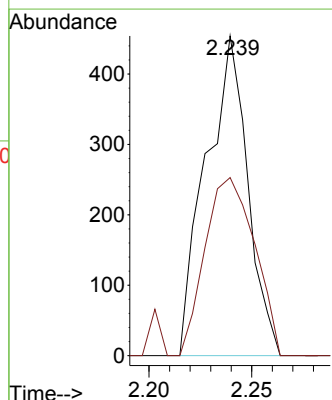
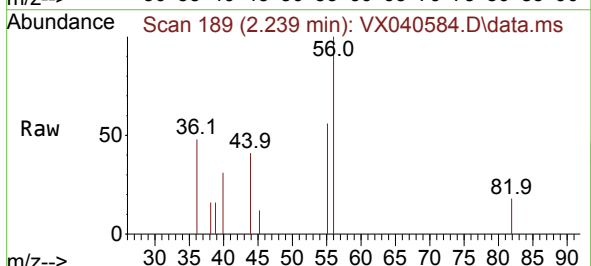
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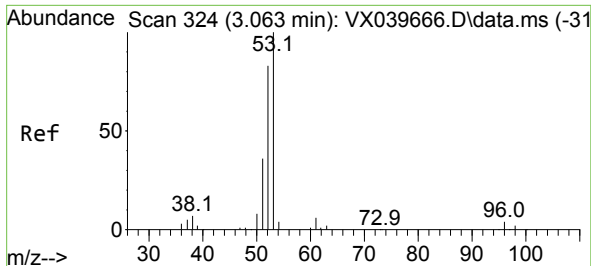
Tgt Ion: 56 Resp: 641

Ion Ratio Lower Upper

56 100

55 66.5 57.2 85.8

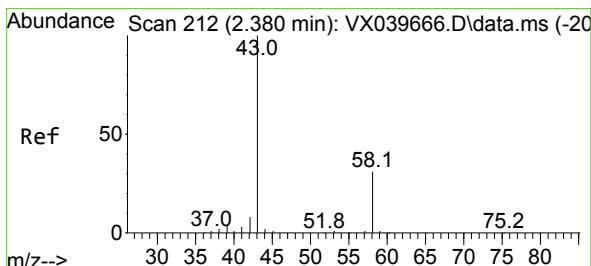
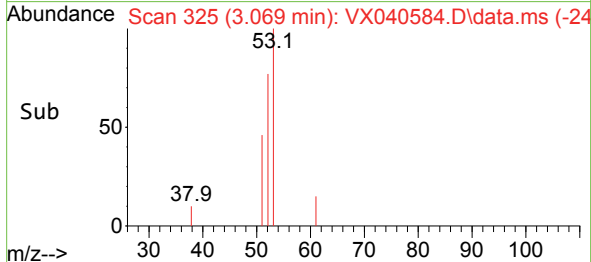
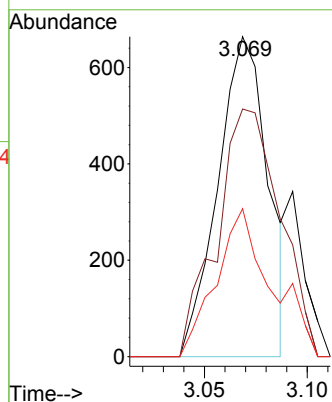
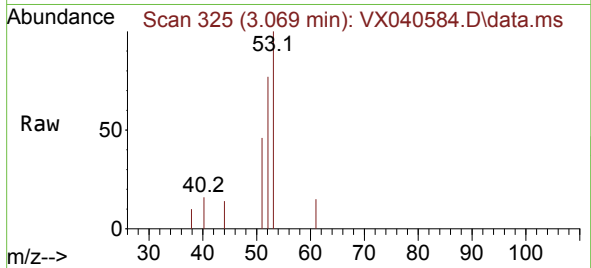




#14
Acrylonitrile
Concen: 2.017 ug/l
RT: 3.069 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

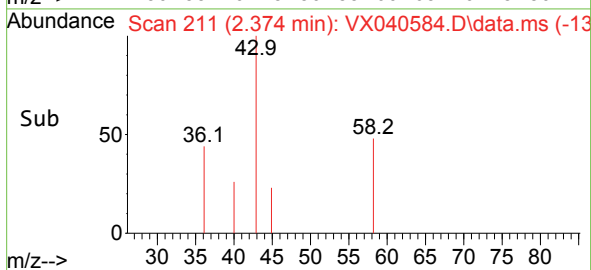
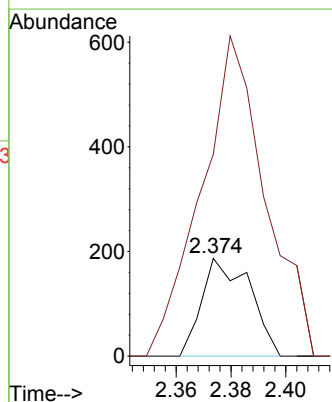
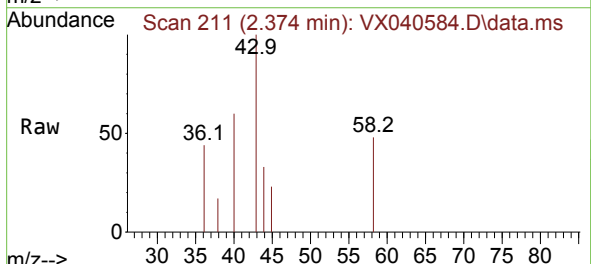
Instrument :
MSVOA_X
ClientSampleId :
IBLK

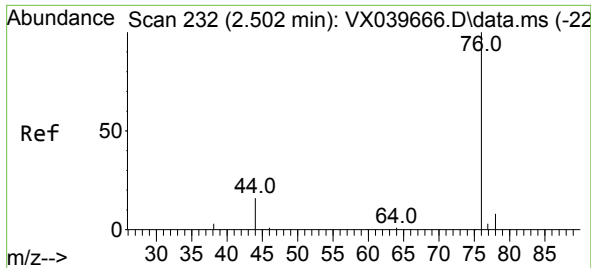
Tgt Ion: 53 Resp: 1128
Ion Ratio Lower Upper
53 100
52 97.4 41.9 125.6
51 43.7 18.3 54.9



#15
Acetone
Concen: 1.426 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

Tgt Ion: 58 Resp: 228
Ion Ratio Lower Upper
58 100
43 115.0 249.9 374.9#

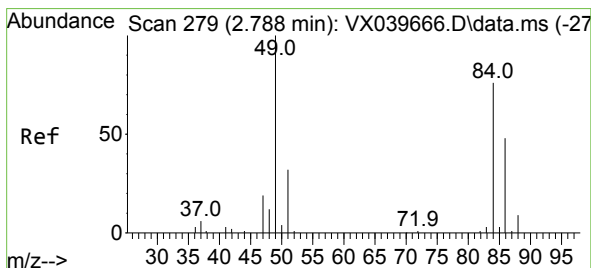
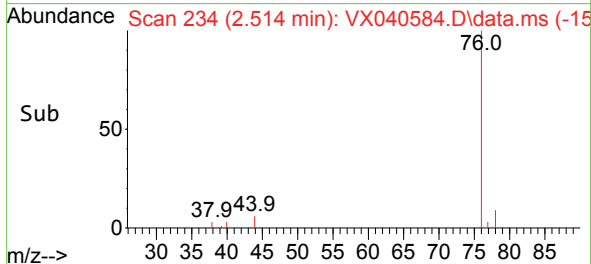
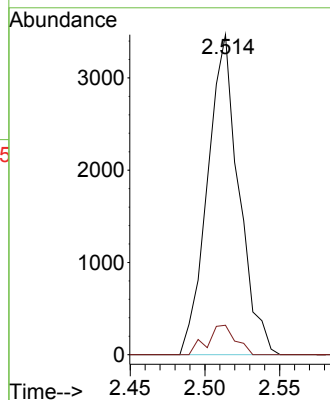
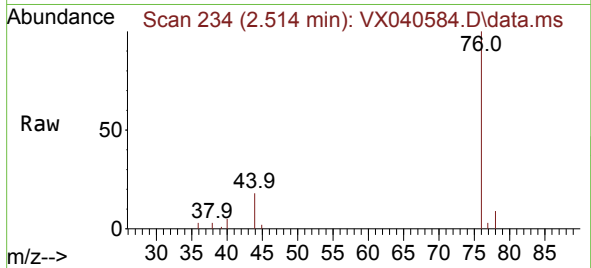




#16
Carbon Disulfide
Concen: 2.136 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

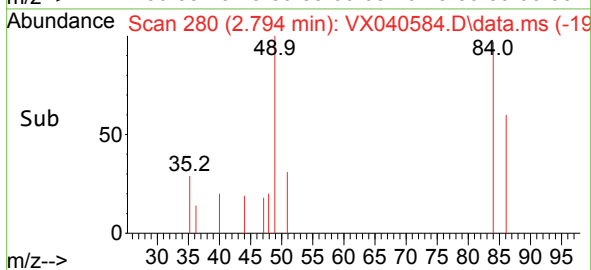
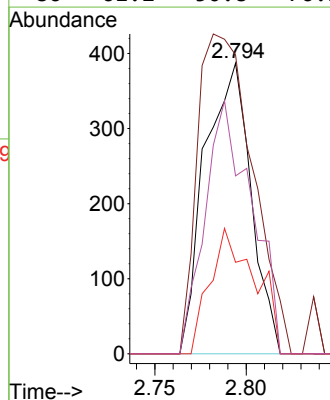
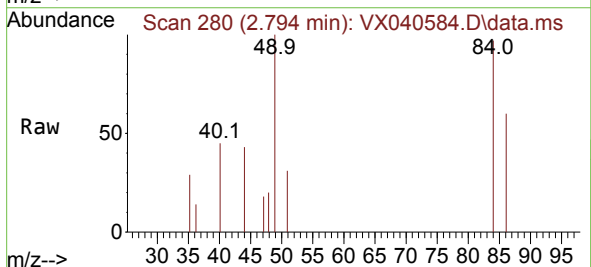
Instrument :
MSVOA_X
ClientSampleId :
IBLK

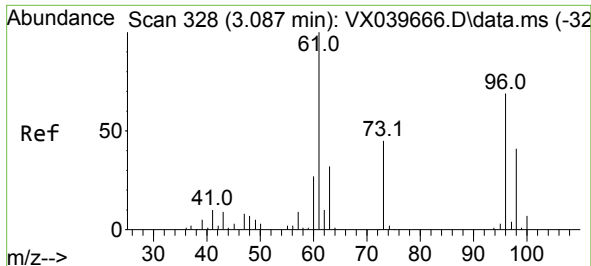
Tgt Ion: 76 Resp: 5063
Ion Ratio Lower Upper
76 100
78 9.2 8.0 12.0



#18
Methylene Chloride
Concen: 0.688 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

Tgt Ion: 84 Resp: 677
Ion Ratio Lower Upper
84 100
49 102.8 103.8 155.8#
51 31.5 31.8 47.6#
86 61.2 50.8 76.2

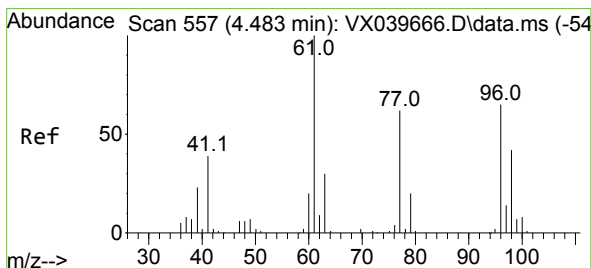
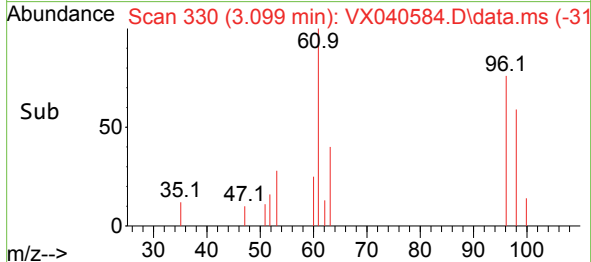
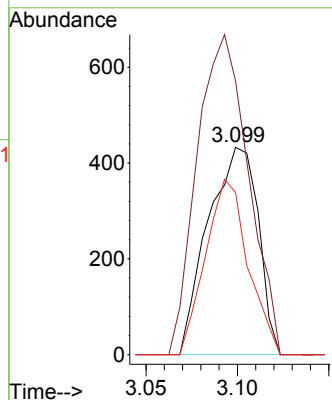
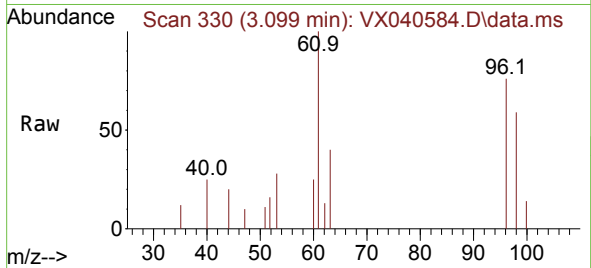




#19
trans-1,2-Dichloroethene
Concen: 0.877 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

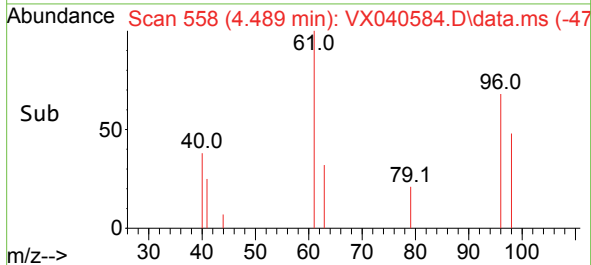
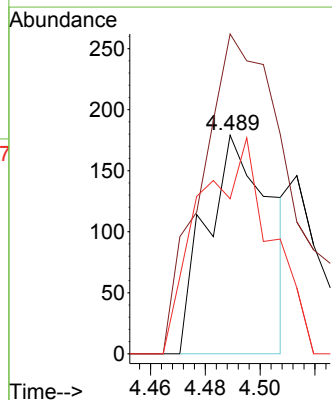
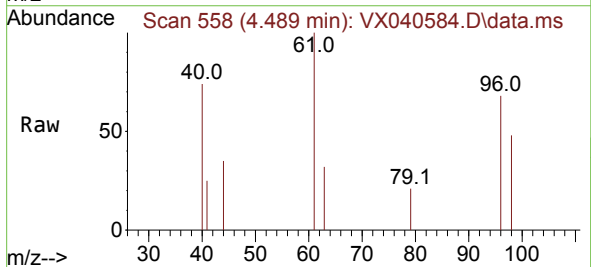
Instrument :
MSVOA_X
ClientSampleId :
IBLK

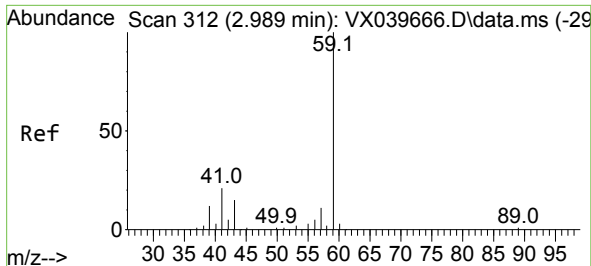
Tgt Ion: 96 Resp: 826
Ion Ratio Lower Upper
96 100
61 131.9 117.9 176.9
98 78.3 51.0 76.6#



#22
cis-1,2-Dichloroethene
Concen: 0.265 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

Tgt Ion: 96 Resp: 290
Ion Ratio Lower Upper
96 100
61 200.3 119.8 179.6#
98 52.8 50.9 76.3

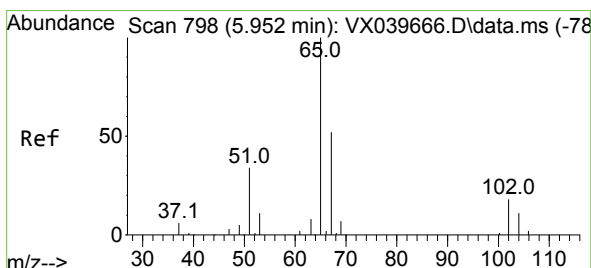
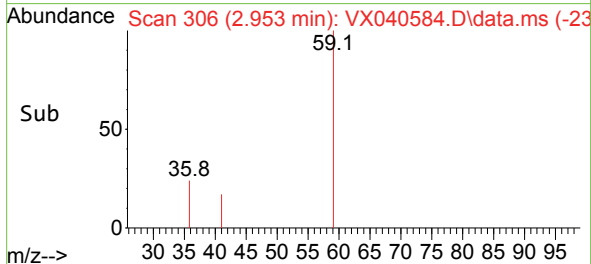
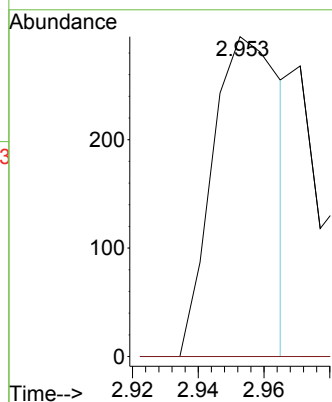
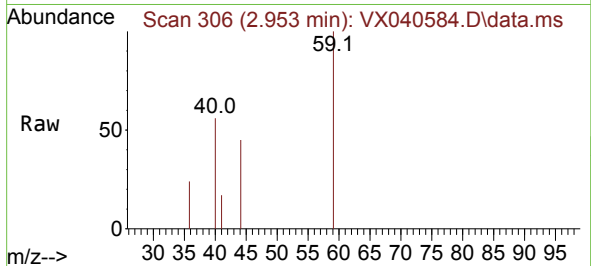




#23
tert-Butyl Alcohol
Concen: 1.608 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

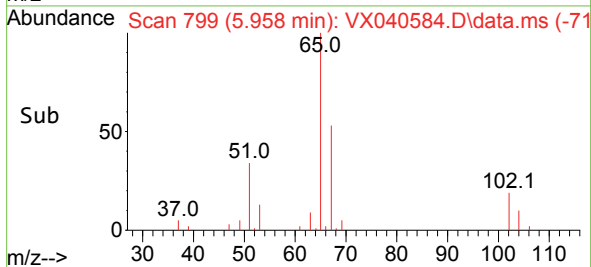
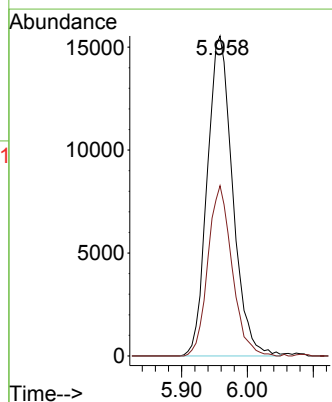
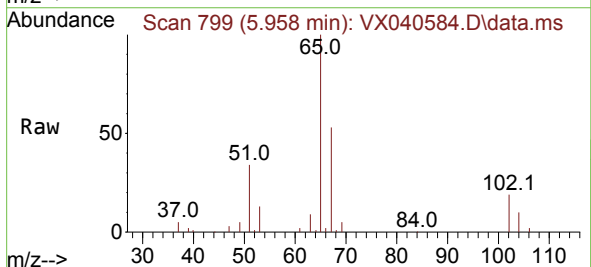
Instrument :
MSVOA_X
ClientSampleId :
IBLK

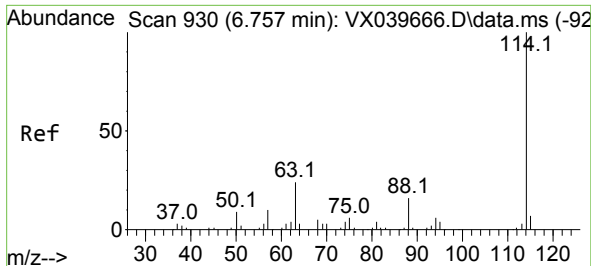
Tgt Ion: 59 Resp: 425
Ion Ratio Lower Upper
59 100
52 258.6 0.0 0.0#



#27
1,2-Dichloroethane-d4
Concen: 28.919 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

Tgt Ion: 65 Resp: 41767
Ion Ratio Lower Upper
65 100
67 50.6 42.5 63.7





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX040584.D

Acq: 05 Mar 2024 12:53

Instrument :

MSVOA_X

ClientSampleId :

IBLK

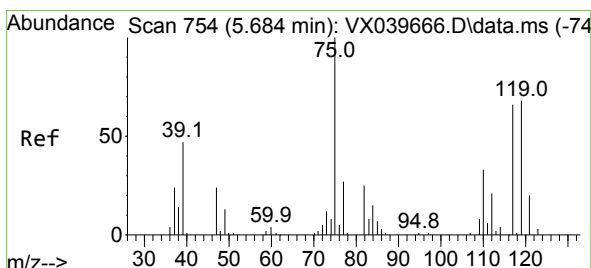
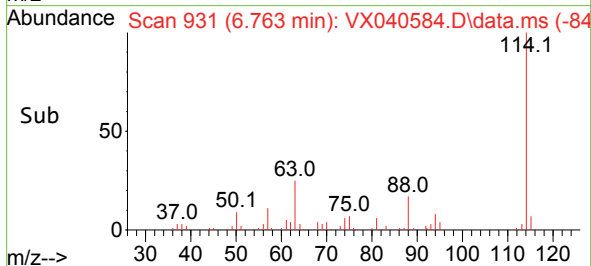
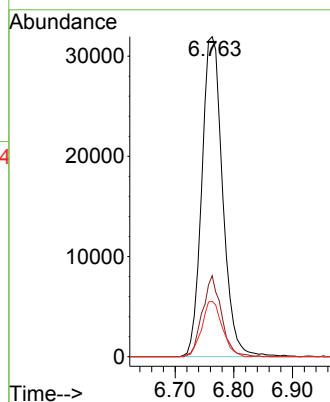
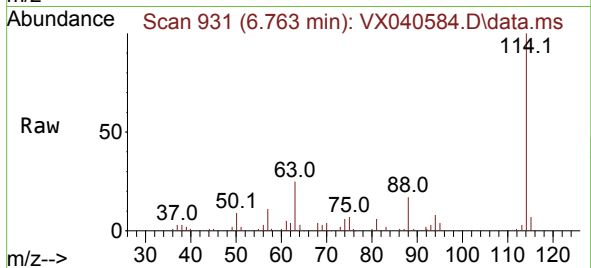
Tgt Ion:114 Resp: 78791

Ion Ratio Lower Upper

114 100

63 23.0 17.0 25.4

88 17.1 12.7 19.1



#29

1,1-Dichloropropene

Concen: 0.282 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.006 min

Lab File: VX040584.D

Acq: 05 Mar 2024 12:53

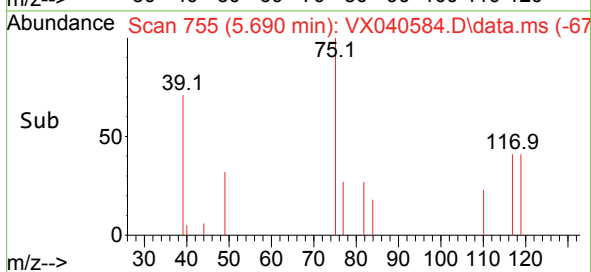
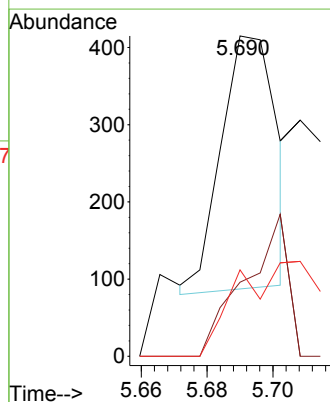
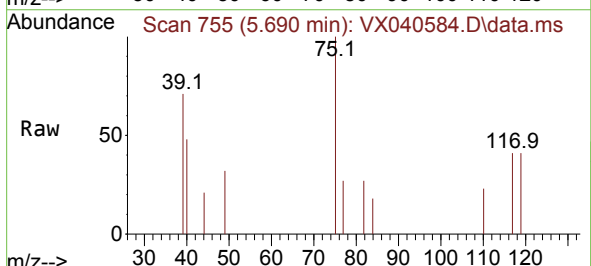
Tgt Ion: 75 Resp: 385

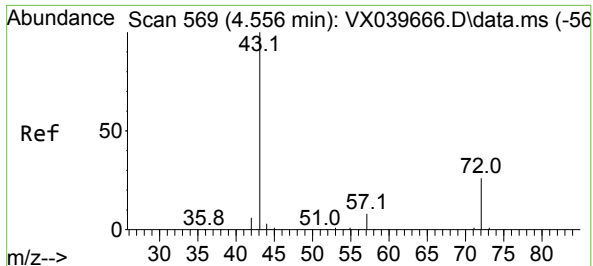
Ion Ratio Lower Upper

75 100

110 0.0 0.0 71.2

77 22.3 0.0 62.6

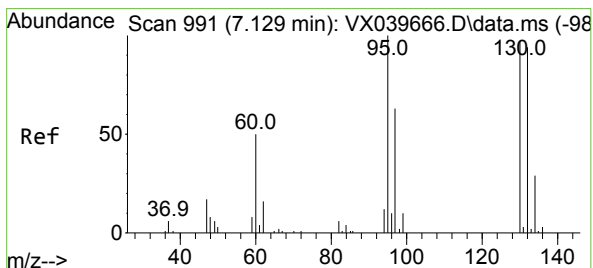
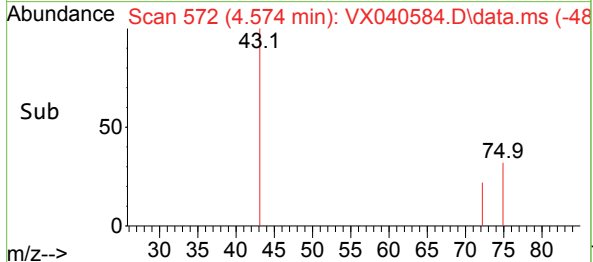
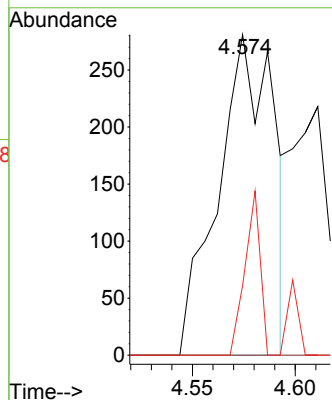
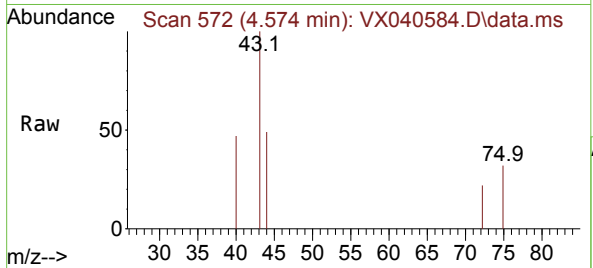




#30
2-Butanone
Concen: 0.637 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

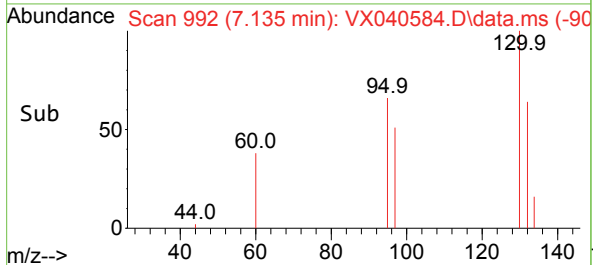
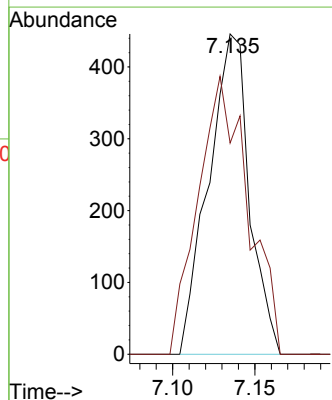
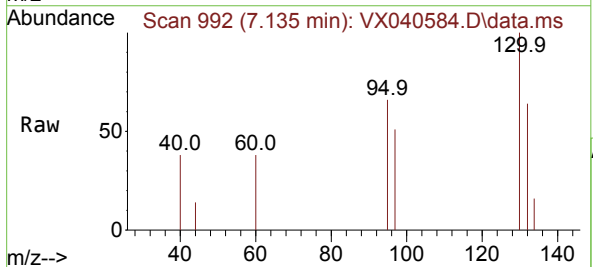
Instrument :
MSVOA_X
ClientSampleId :
IBLK

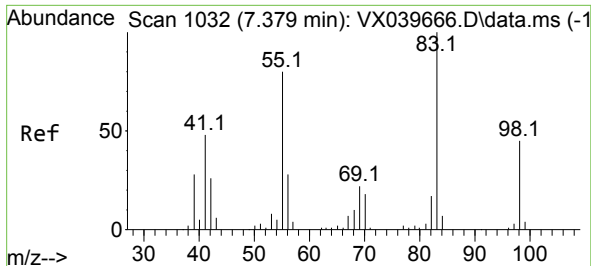
Tgt Ion: 43 Resp: 530
Ion Ratio Lower Upper
43 100
57 0.0 6.6 10.0#
72 14.2 20.6 31.0#



#37
Trichloroethene
Concen: 0.779 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

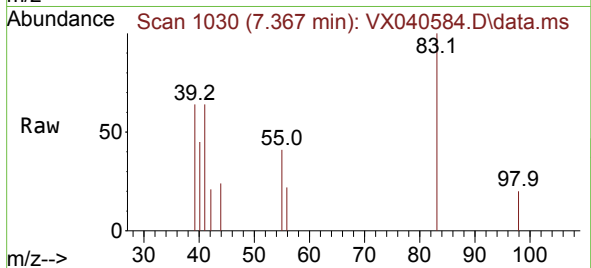
Tgt Ion: 130 Resp: 771
Ion Ratio Lower Upper
130 100
95 65.9 85.8 128.8#



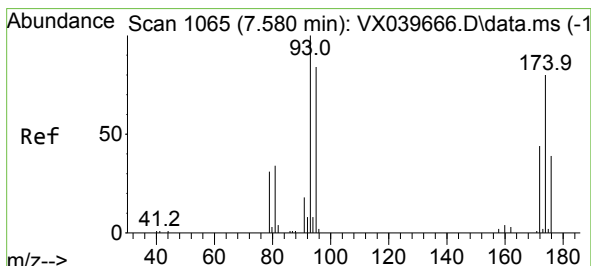
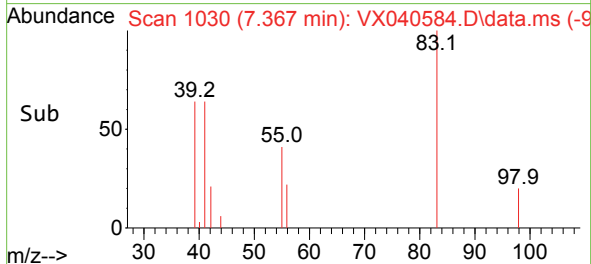
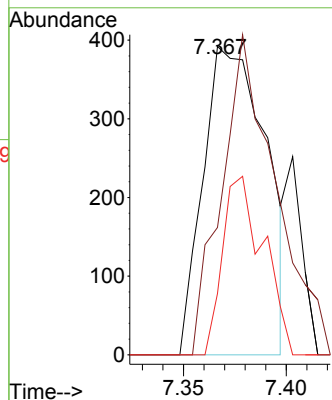


#38
Methylcyclohexane
Concen: 0.569 ug/l
RT: 7.367 min Scan# 1030
Delta R.T. -0.012 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

Instrument :
MSVOA_X
ClientSampleId :
IBLK

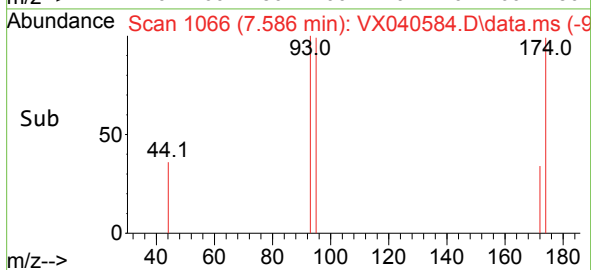
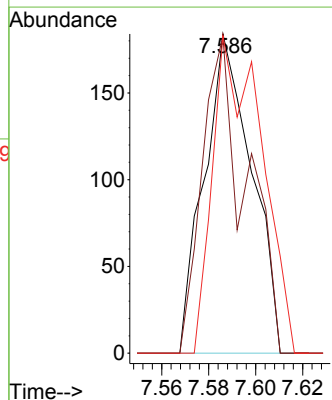
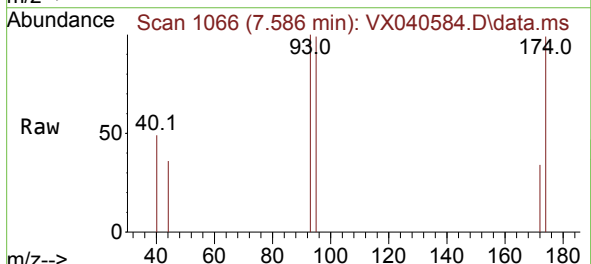


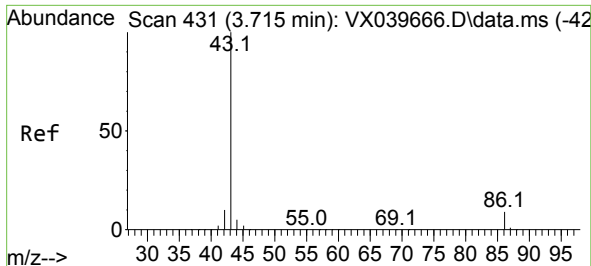
Tgt Ion: 83	Resp: 835
Ion Ratio	Lower Upper
83 100	
55 88.9	38.6 116.0
98 37.7	22.3 66.8



#40
Dibromomethane
Concen: 0.349 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

Tgt Ion: 93	Resp: 257
Ion Ratio	Lower Upper
93 100	
95 65.4	0.0 163.4
174 103.1	0.0 166.4

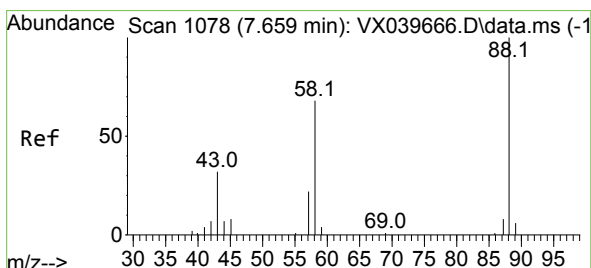
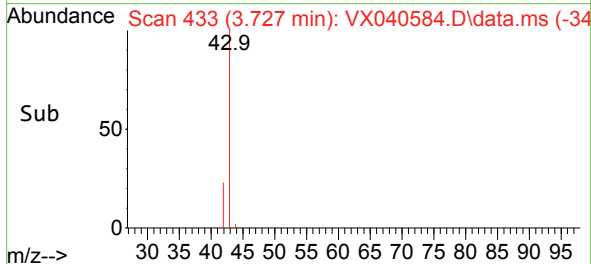
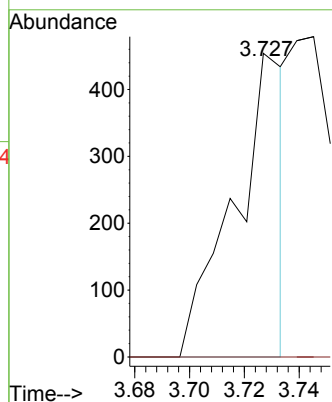
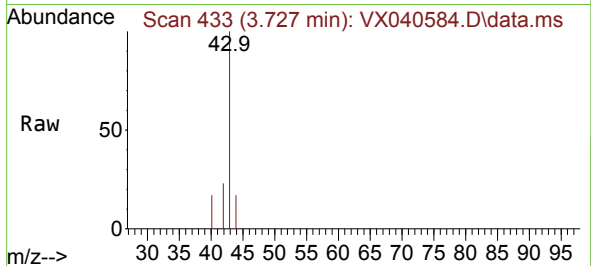




#42
 Vinyl Acetate
 Concen: 0.203 ug/l
 RT: 3.727 min Scan# 41
 Delta R.T. 0.012 min
 Lab File: VX040584.D
 Acq: 05 Mar 2024 12:53

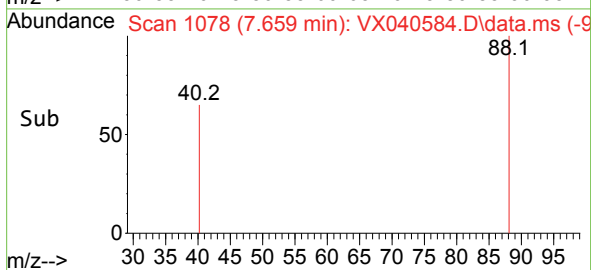
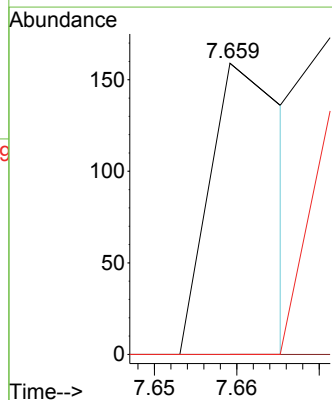
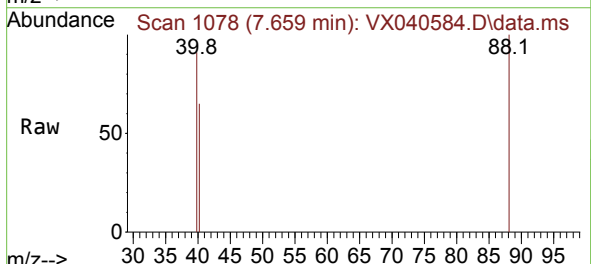
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

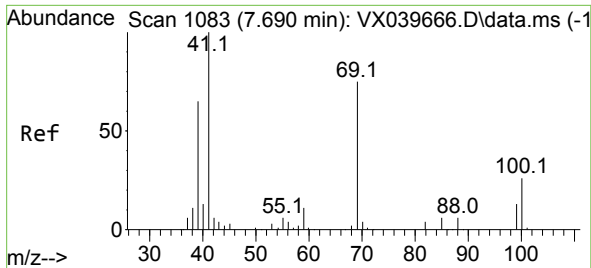
Tgt Ion: 43 Resp: 582
 Ion Ratio Lower Upper
 43 100
 86 0.0 6.7 10.1#



#45
 1,4-Dioxane
 Concen: 4.199 ug/l
 RT: 7.659 min Scan# 1078
 Delta R.T. 0.000 min
 Lab File: VX040584.D
 Acq: 05 Mar 2024 12:53

Tgt Ion: 88 Resp: 108
 Ion Ratio Lower Upper
 88 100
 43 0.0 28.1 42.1#
 58 0.0 57.7 86.5#

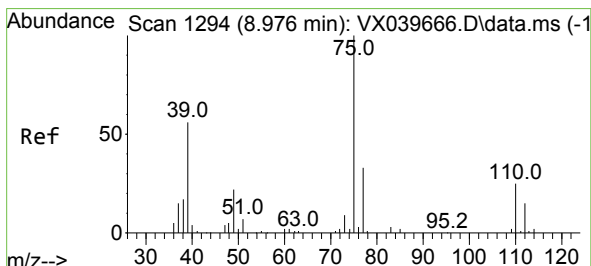
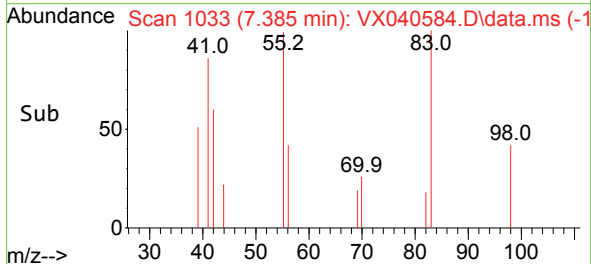
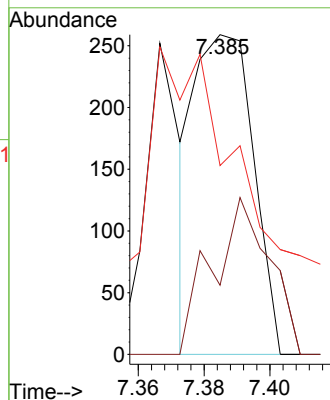
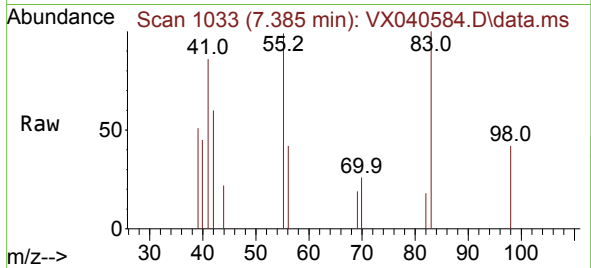




#46
Methyl methacrylate
Concen: 0.256 ug/l
RT: 7.385 min Scan# 1083
Delta R.T. -0.305 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

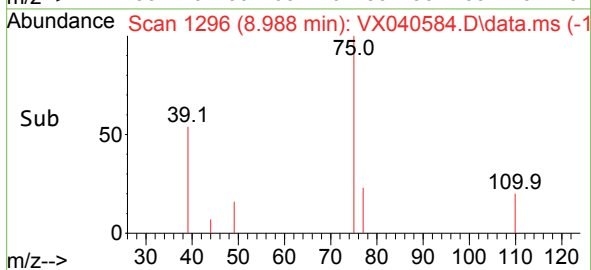
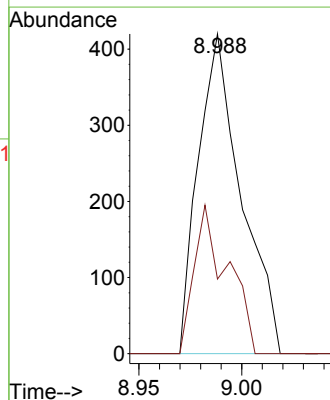
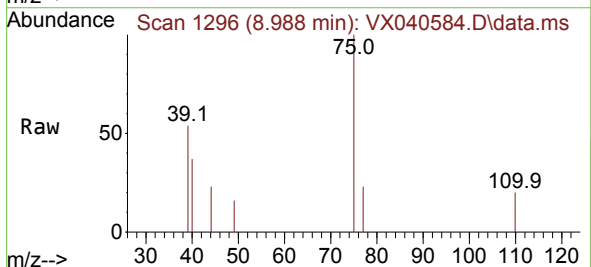
Instrument :
MSVOA_X
ClientSampleId :
IBLK

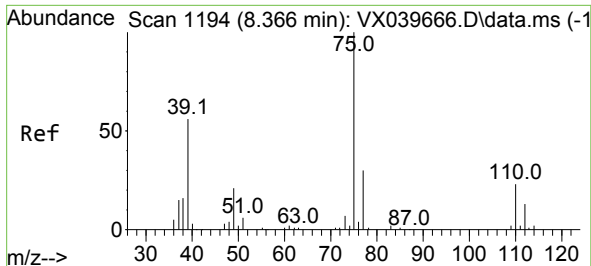
Tgt Ion: 41 Resp: 318
Ion Ratio Lower Upper
41 100
69 21.6 39.6 118.8#
39 26.3 30.1 90.3#



#48
t-1,3-Dichloropropene
Concen: 0.394 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.012 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

Tgt Ion: 75 Resp: 610
Ion Ratio Lower Upper
75 100
77 23.3 26.8 40.2#





#49

cis-1,3-Dichloropropene

Concen: 0.286 ug/l

RT: 8.379 min Scan# 1196

Delta R.T. 0.013 min

Lab File: VX040584.D

Acq: 05 Mar 2024 12:53

Instrument :

MSVOA_X

ClientSampleId :

IBLK

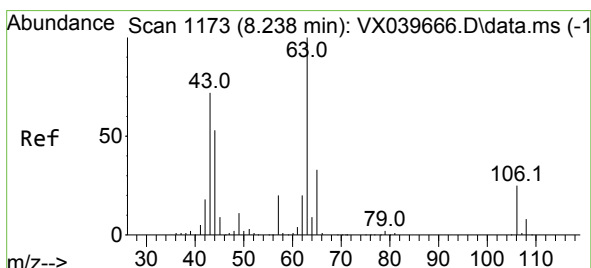
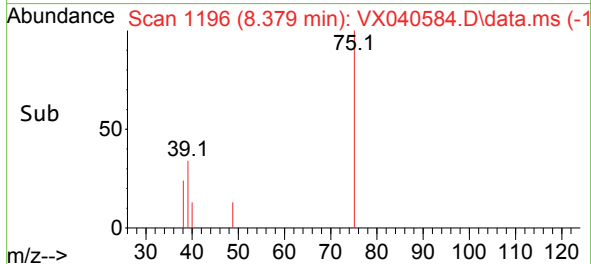
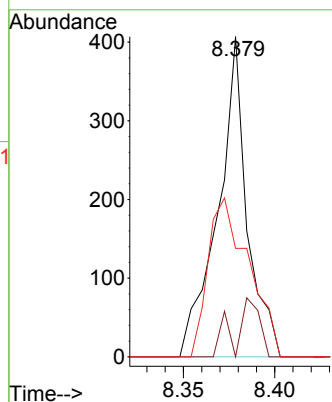
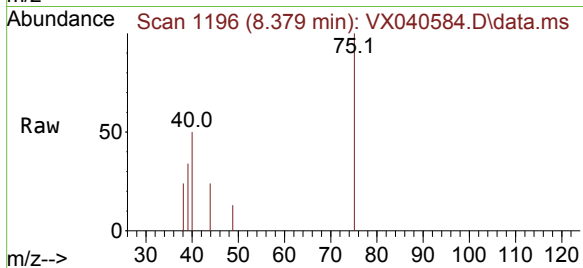
Tgt Ion: 75 Resp: 451

Ion Ratio Lower Upper

75 100

77 0.0 24.4 36.6#

39 33.9 40.6 60.8#



#55

2-Chloroethyl vinyl ether

Concen: 2.425 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. 0.006 min

Lab File: VX040584.D

Acq: 05 Mar 2024 12:53

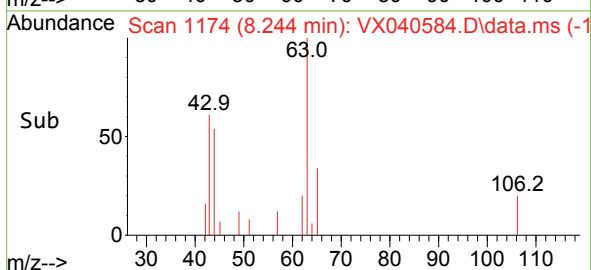
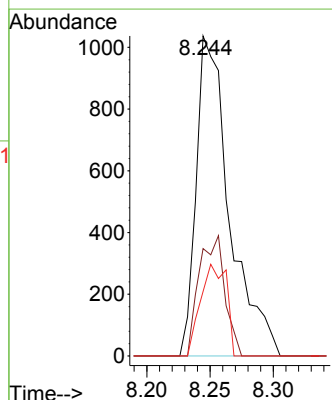
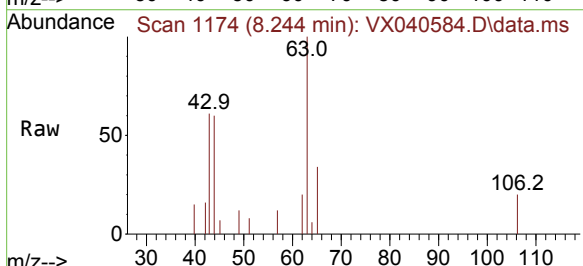
Tgt Ion: 63 Resp: 1902

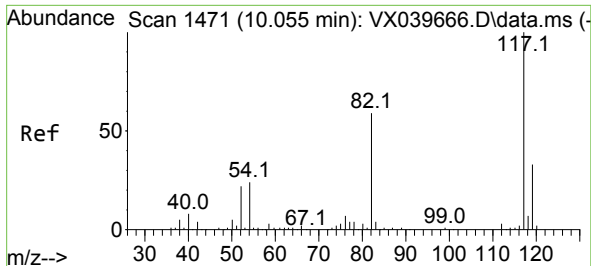
Ion Ratio Lower Upper

63 100

65 29.0 25.8 38.6

106 22.2 20.6 31.0





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX040584.D

Acq: 05 Mar 2024 12:53

Instrument :

MSVOA_X

ClientSampleId :

IBLK

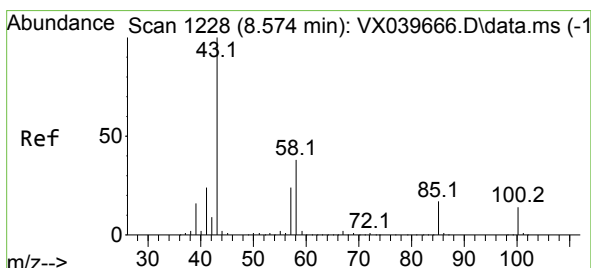
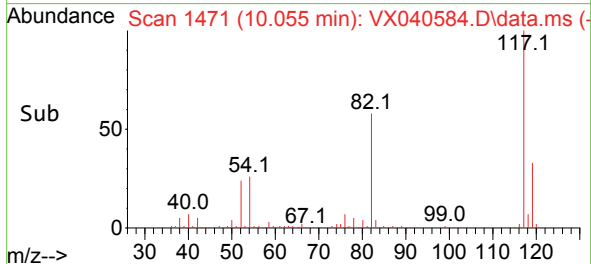
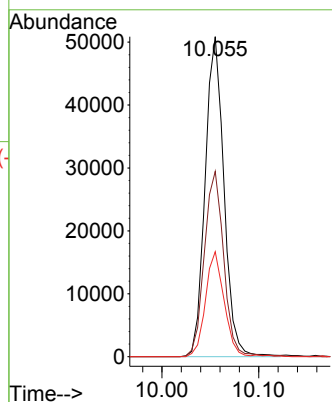
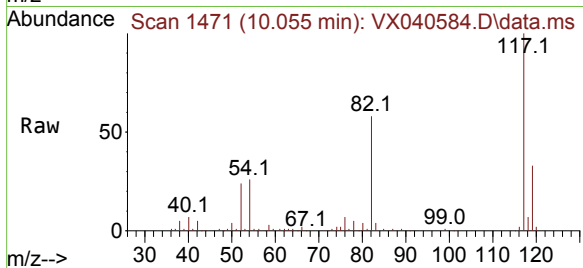
Tgt Ion:117 Resp: 69001

Ion Ratio Lower Upper

117 100

82 59.8 47.0 70.6

119 32.3 25.2 37.8



#58

4-Methyl-2-Pentanone

Concen: 0.560 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX040584.D

Acq: 05 Mar 2024 12:53

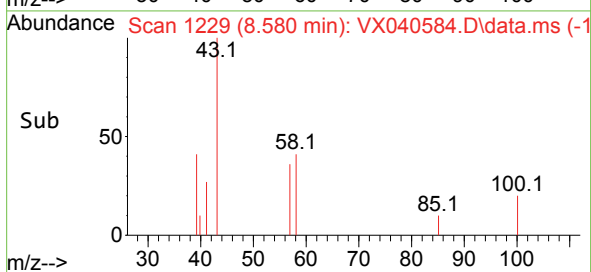
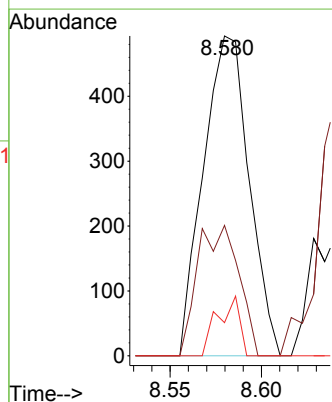
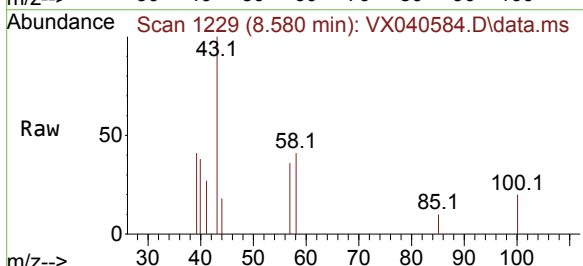
Tgt Ion: 43 Resp: 860

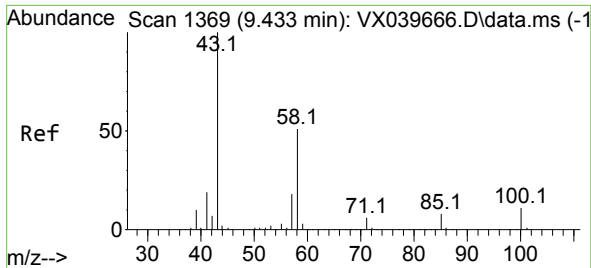
Ion Ratio Lower Upper

43 100

58 18.4 30.1 45.1#

85 9.0 13.9 20.9#

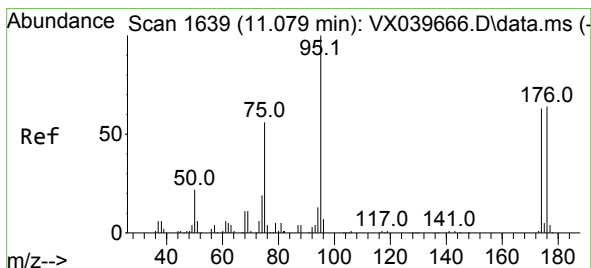
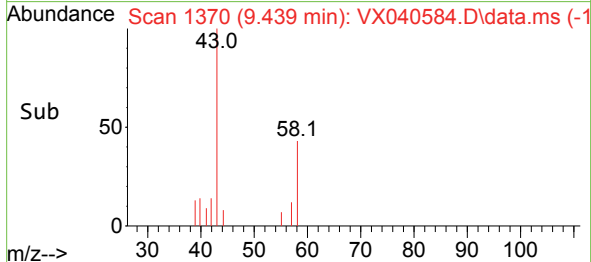
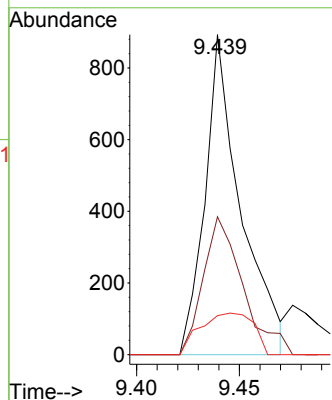
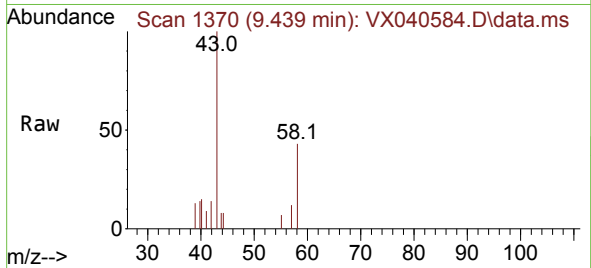




#59
2-Hexanone
Concen: 0.870 ug/l
RT: 9.439 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

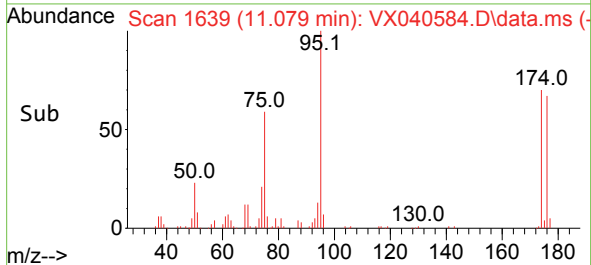
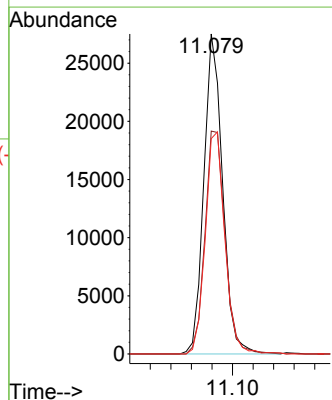
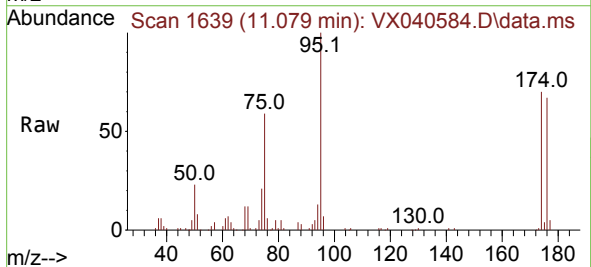
Instrument :
MSVOA_X
ClientSampleId :
IBLK

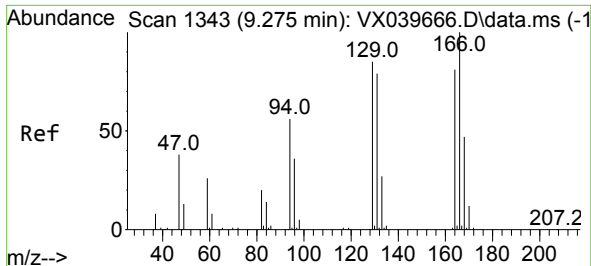
Tgt Ion:	43	Resp:	1080
Ion	Ratio	Lower	Upper
43	100		
58	45.7	42.7	64.1
57	19.4	14.8	22.2



#60
4-Bromofluorobenzene
Concen: 29.397 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

Tgt Ion:	95	Resp:	34794
Ion	Ratio	Lower	Upper
95	100		
174	75.2	55.4	83.2
176	72.2	52.6	78.8

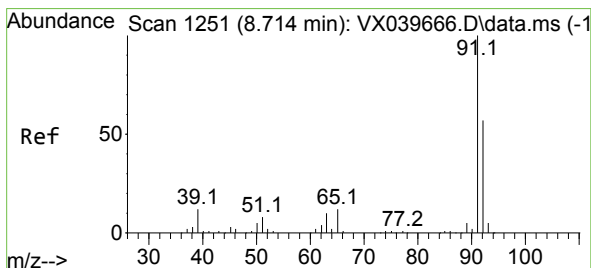
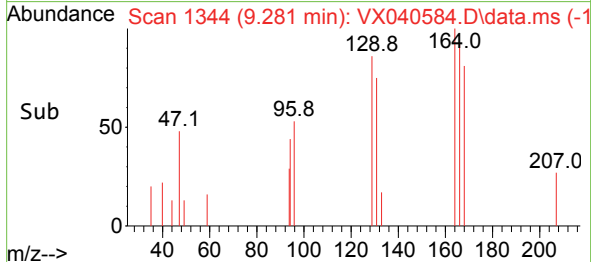
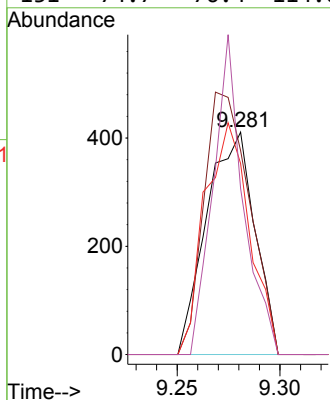
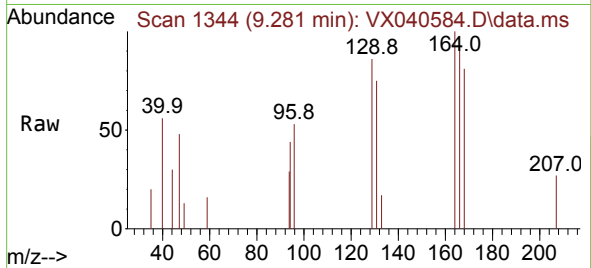




#61
Tetrachloroethene
Concen: 0.817 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

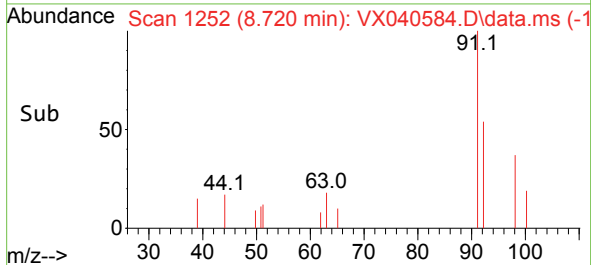
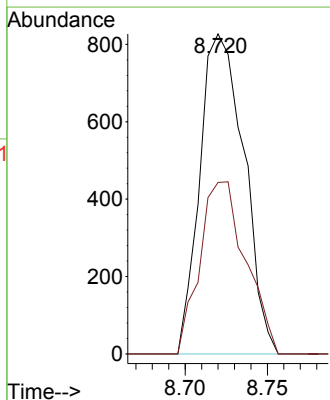
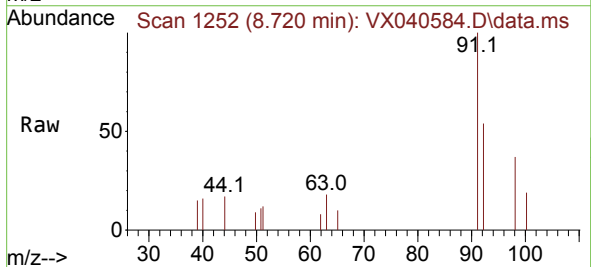
Instrument :
MSVOA_X
ClientSampleId :
IBLK

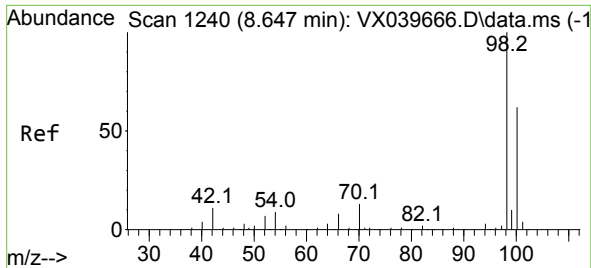
Tgt Ion:164 Resp: 669
Ion Ratio Lower Upper
164 100
166 91.7 104.0 156.0#
129 85.9 82.0 123.0
131 74.7 76.4 114.6#



#62
Toluene
Concen: 0.405 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

Tgt Ion: 91 Resp: 1541
Ion Ratio Lower Upper
91 100
92 56.1 45.9 68.9

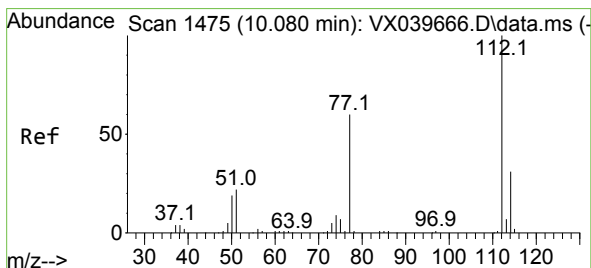
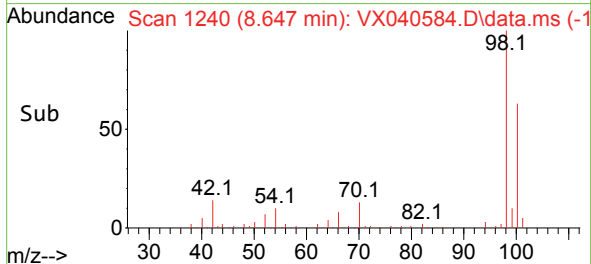
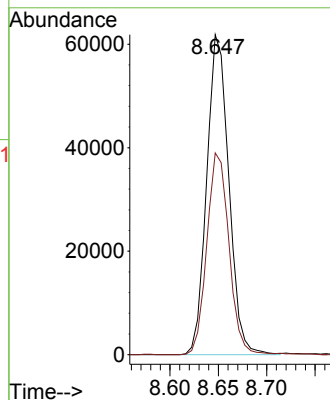
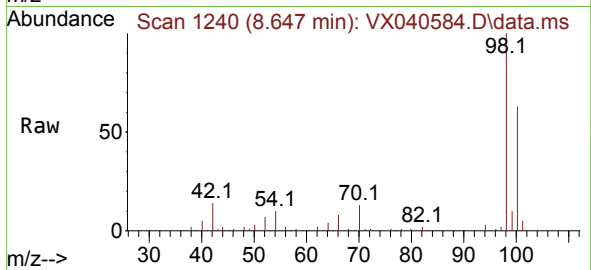




#63
Toluene-d8
Concen: 32.269 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

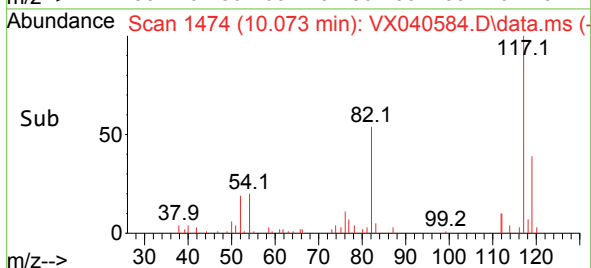
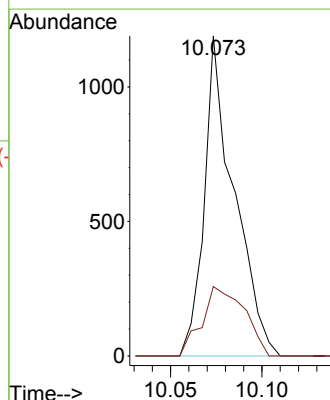
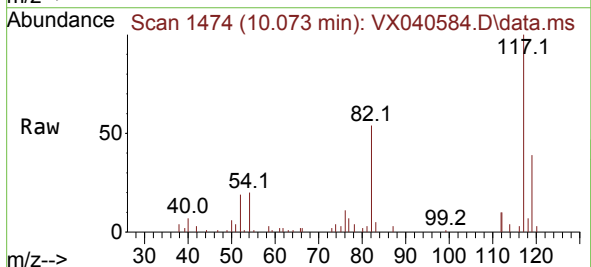
Instrument :
MSVOA_X
ClientSampleId :
IBLK

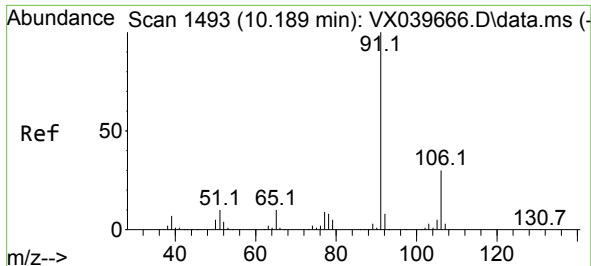
Tgt Ion: 98 Resp: 98399
Ion Ratio Lower Upper
98 100
100 63.2 51.0 76.4



#64
Chlorobenzene
Concen: 0.579 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. -0.007 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

Tgt Ion: 112 Resp: 1345
Ion Ratio Lower Upper
112 100
114 21.7 25.9 38.9#

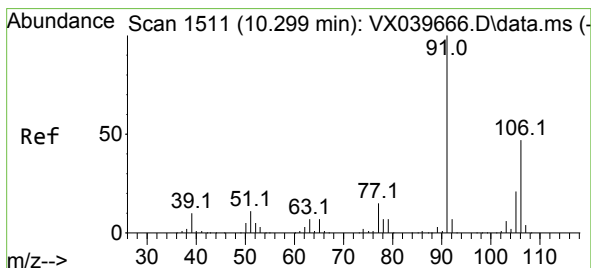
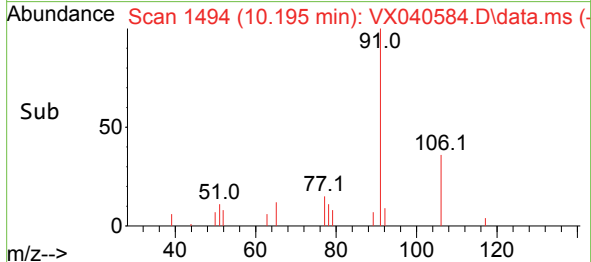
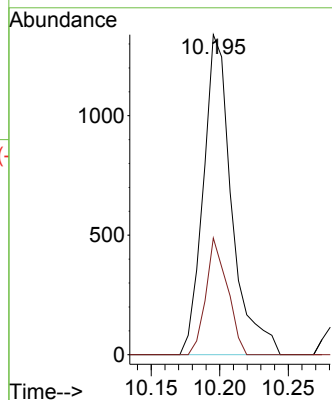
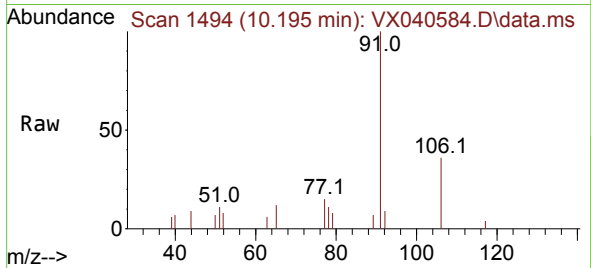




#66
Ethyl Benzene
Concen: 0.441 ug/l
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

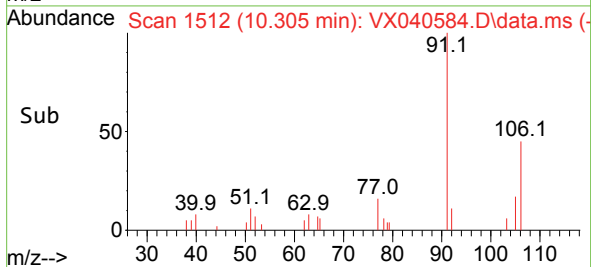
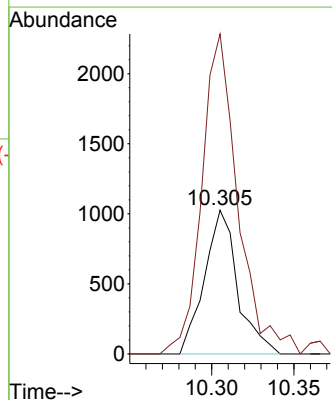
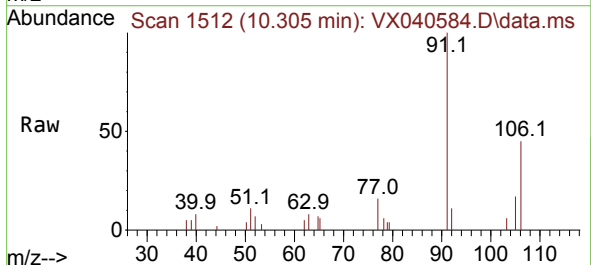
Instrument :
MSVOA_X
ClientSampleId :
IBLK

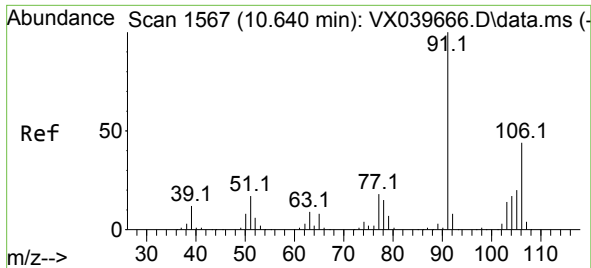
Tgt Ion: 91 Resp: 1934
Ion Ratio Lower Upper
91 100
106 36.4 24.4 36.6



#67
m/p-Xylenes
Concen: 0.889 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

Tgt Ion: 106 Resp: 1439
Ion Ratio Lower Upper
106 100
91 230.2 169.4 254.0

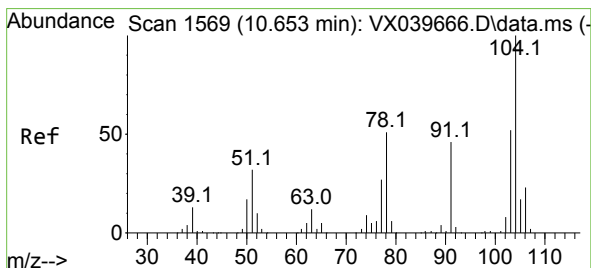
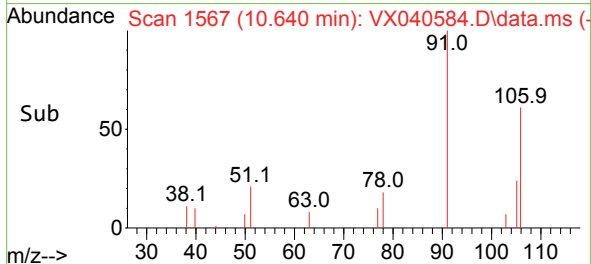
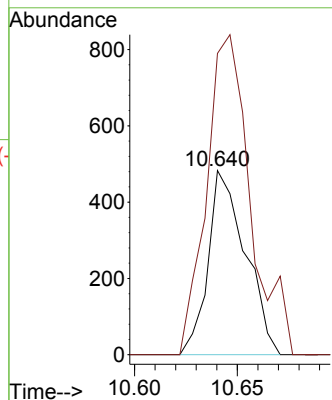
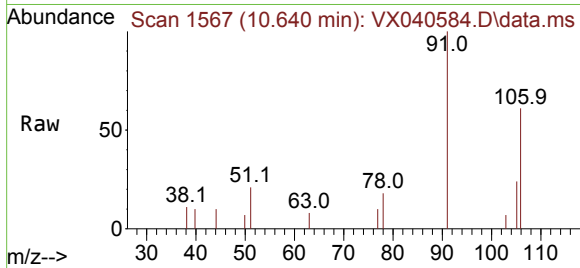




#68
o-Xylene
Concen: 0.392 ug/l
RT: 10.640 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

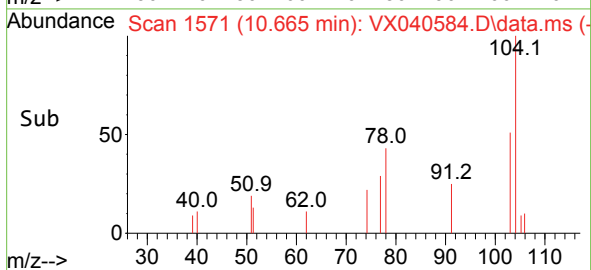
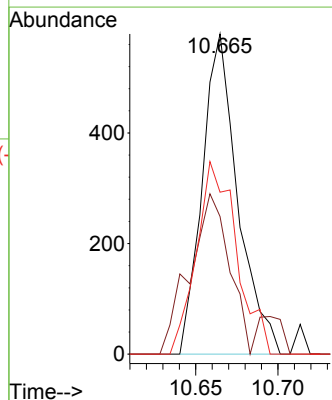
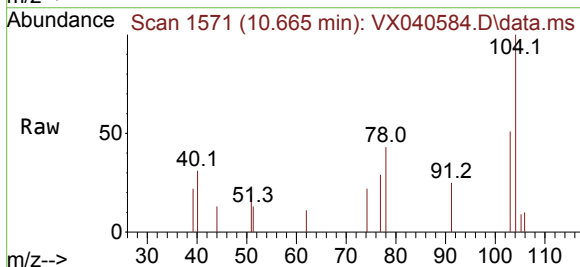
Instrument :
MSVOA_X
ClientSampleId :
IBLK

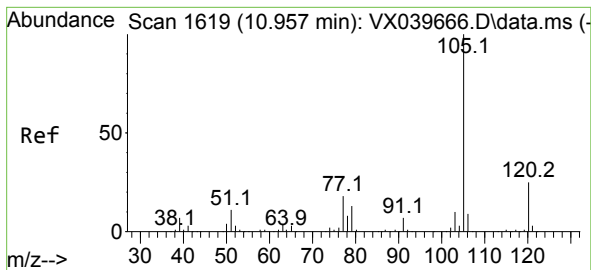
Tgt Ion:106 Resp: 611
Ion Ratio Lower Upper
106 100
91 191.5 111.2 333.6



#69
Styrene
Concen: 0.332 ug/l
RT: 10.665 min Scan# 1571
Delta R.T. 0.012 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

Tgt Ion:104 Resp: 868
Ion Ratio Lower Upper
104 100
78 56.1 43.7 65.5
103 67.9 44.6 67.0#





#70

Isopropylbenzene

Concen: 0.478 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX040584.D

Acq: 05 Mar 2024 12:53

Instrument :

MSVOA_X

ClientSampleId :

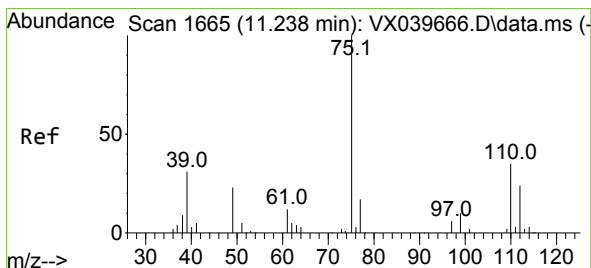
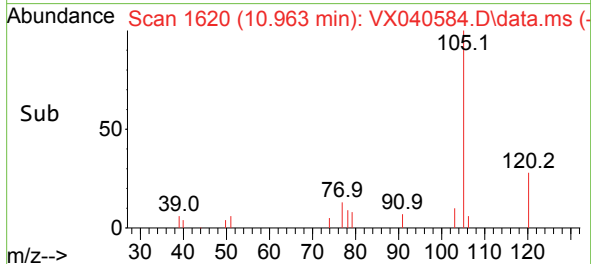
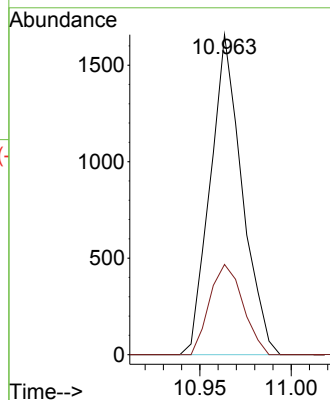
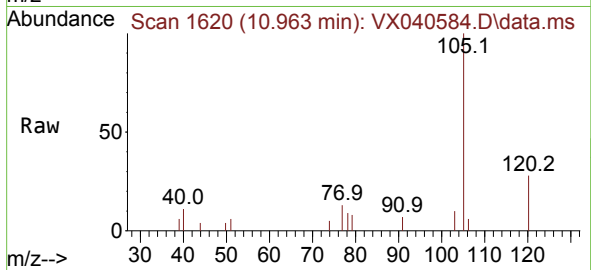
IBLK

Tgt Ion:105 Resp: 2013

Ion Ratio Lower Upper

105 100

120 29.5 18.5 34.3



#72

1,2,3-Trichloropropane

Concen: 0.218 ug/l

RT: 11.244 min Scan# 1666

Delta R.T. 0.006 min

Lab File: VX040584.D

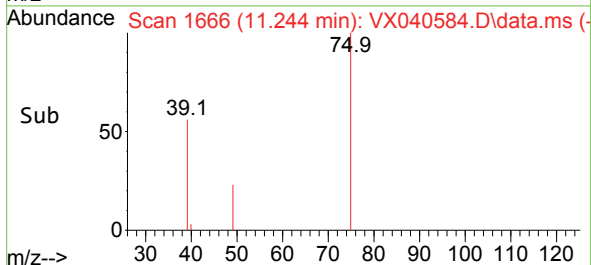
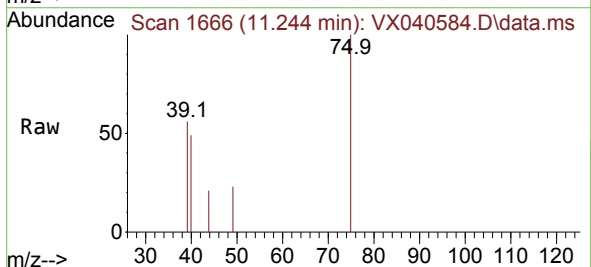
Acq: 05 Mar 2024 12:53

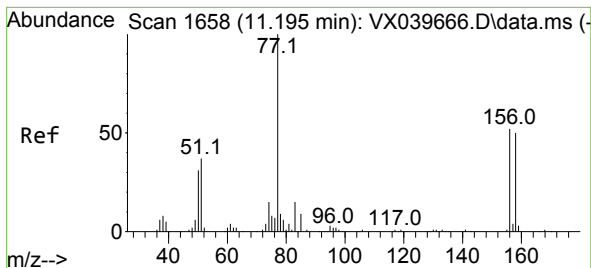
Tgt Ion: 75 Resp: 289

Ion Ratio Lower Upper

75 100

77 20.4 0.0 76.4





#73

Bromobenzene

Concen: 0.546 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. 0.012 min

Lab File: VX040584.D

Acq: 05 Mar 2024 12:53

Instrument :

MSVOA_X

ClientSampleId :

IBLK

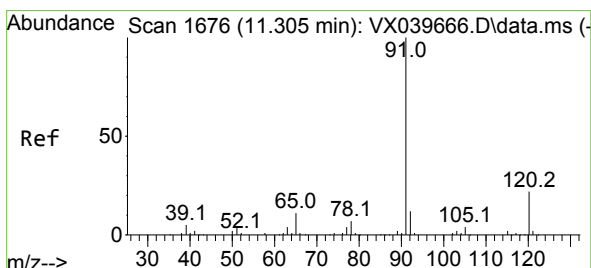
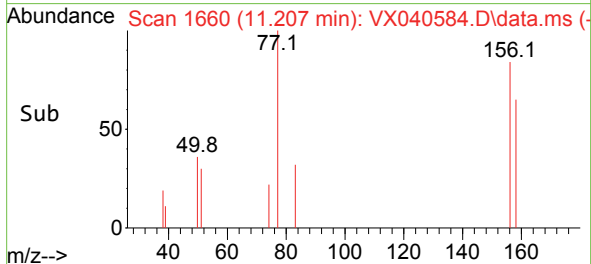
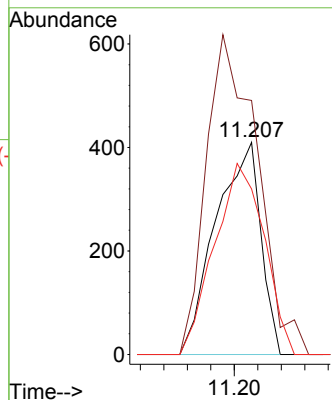
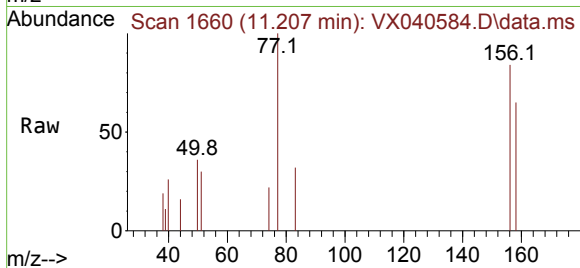
Tgt Ion:156 Resp: 544

Ion Ratio Lower Upper

156 100

77 171.0 0.0 363.2

158 99.6 0.0 197.8



#74

n-propylbenzene

Concen: 0.625 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX040584.D

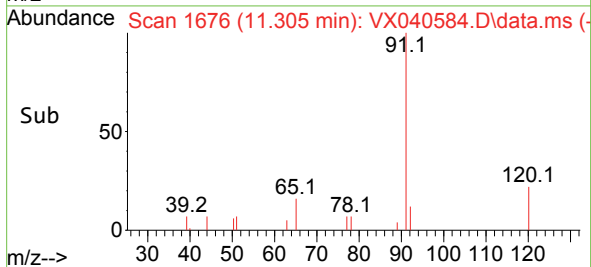
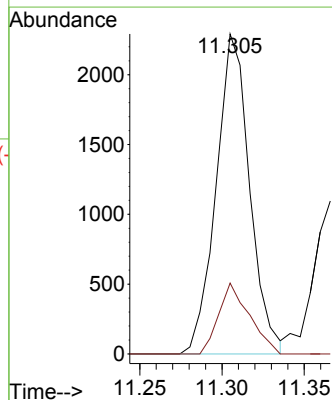
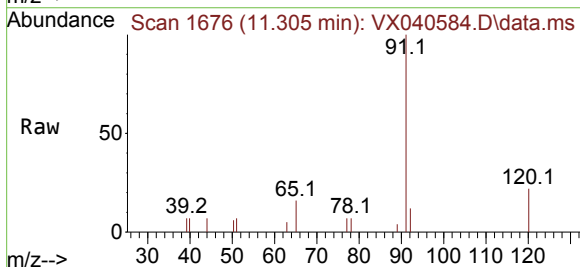
Acq: 05 Mar 2024 12:53

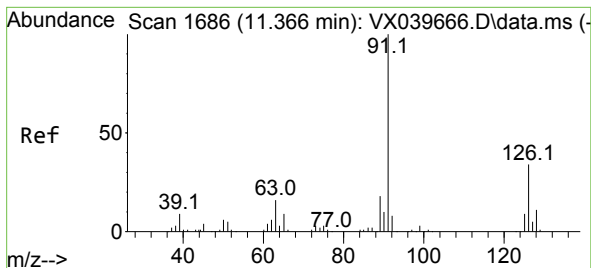
Tgt Ion: 91 Resp: 3249

Ion Ratio Lower Upper

91 100

120 20.3 0.0 43.4

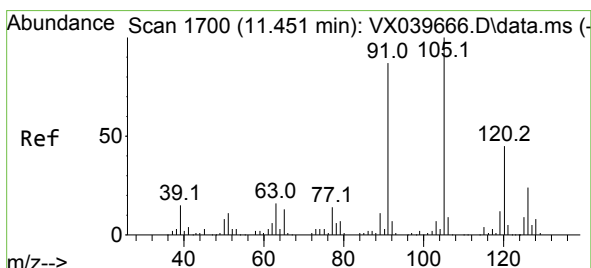
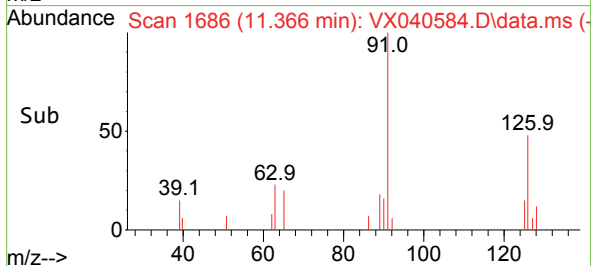
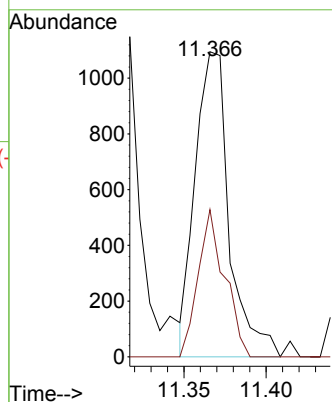
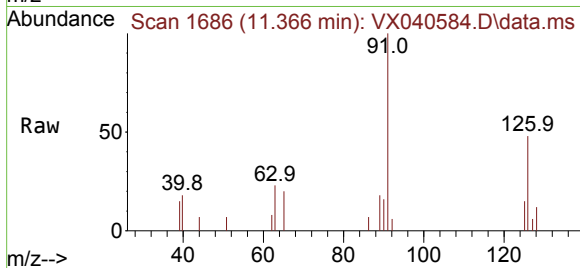




#75
2-Chlorotoluene
Concen: 0.509 ug/l
RT: 11.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

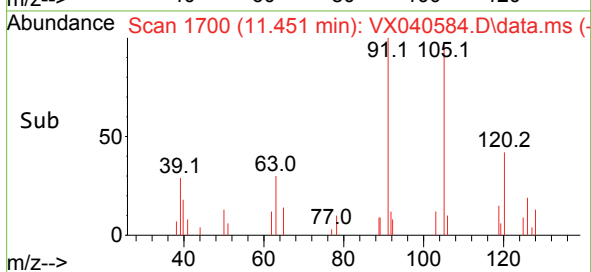
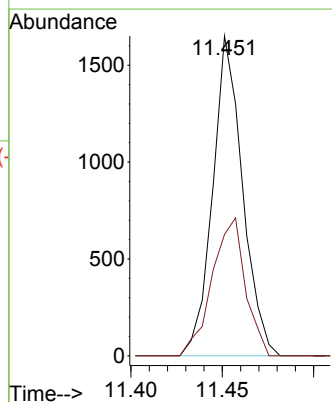
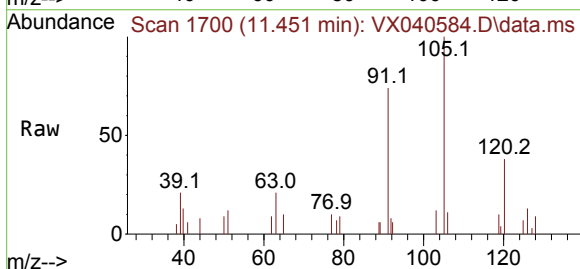
Instrument :
MSVOA_X
ClientSampleId :
IBLK

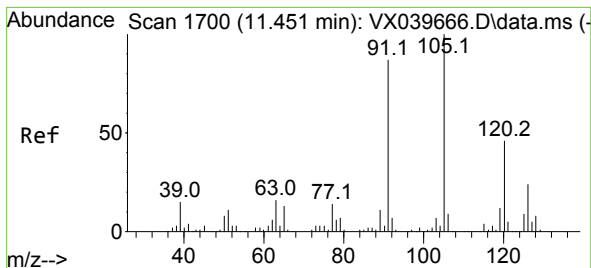
Tgt Ion: 91 Resp: 1570
Ion Ratio Lower Upper
91 100
126 37.8 0.0 64.2



#76
1,3,5-Trimethylbenzene
Concen: 0.507 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

Tgt Ion: 105 Resp: 1879
Ion Ratio Lower Upper
105 100
120 48.0 0.0 92.6

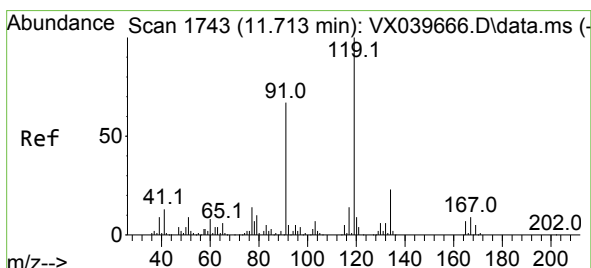
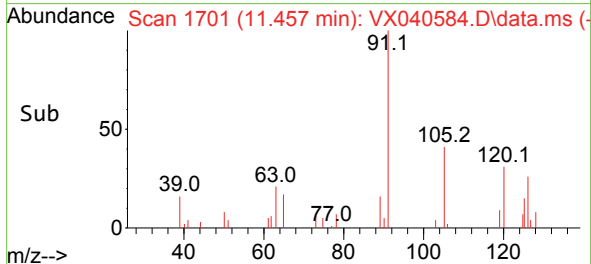
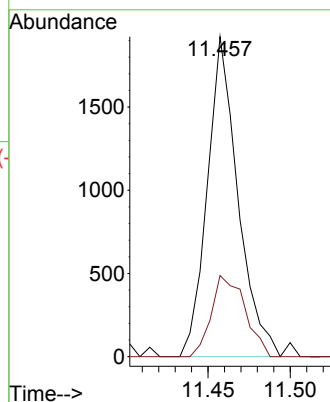
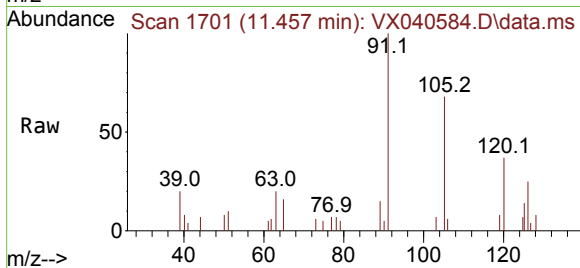




#78
4-Chlorotoluene
Concen: 0.677 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

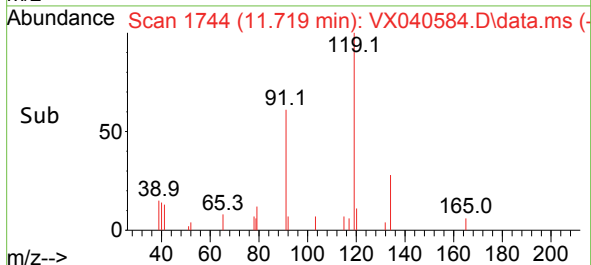
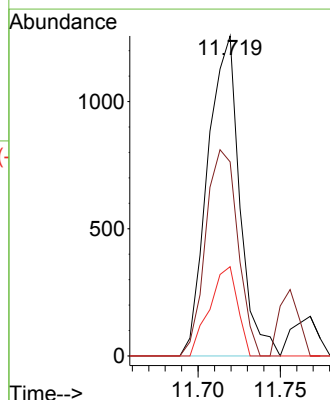
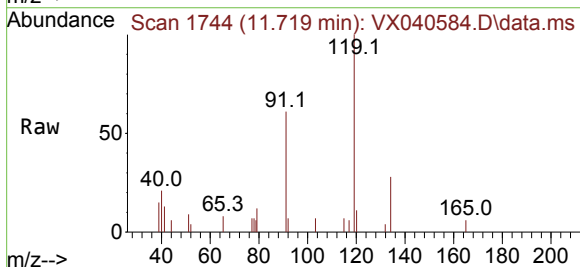
Instrument :
MSVOA_X
ClientSampleId :
IBLK

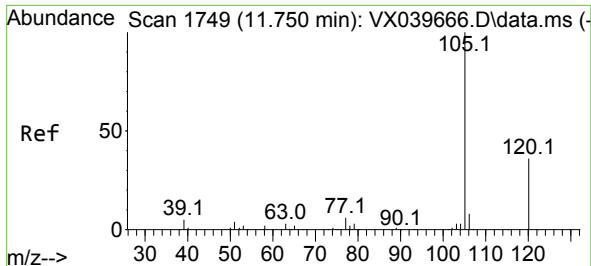
Tgt Ion: 91 Resp: 2493
Ion Ratio Lower Upper
91 100
126 27.8 0.0 57.4



#79
tert-butylbenzene
Concen: 0.492 ug/l
RT: 11.719 min Scan# 1744
Delta R.T. 0.006 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

Tgt Ion: 119 Resp: 1702
Ion Ratio Lower Upper
119 100
91 64.9 0.0 125.6
134 24.3 0.0 43.8

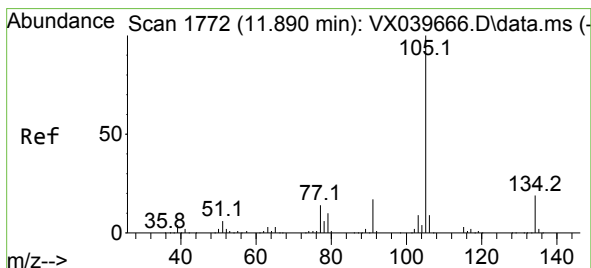
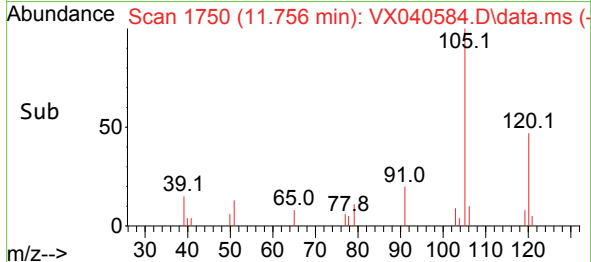
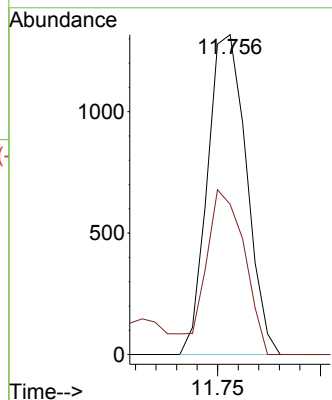
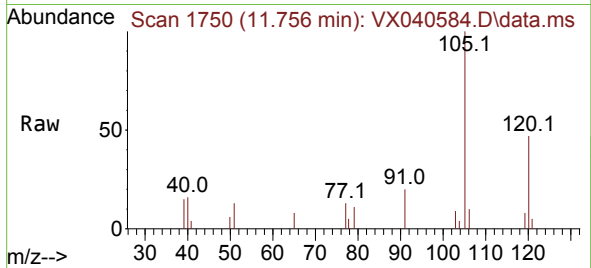




#80
1,2,4-Trimethylbenzene
Concen: 0.474 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

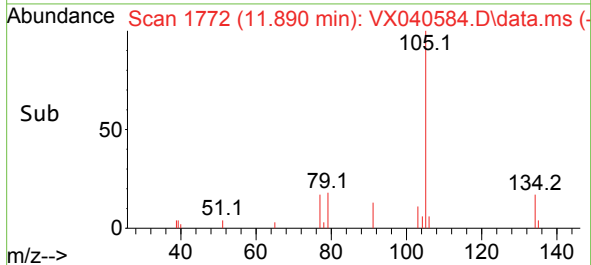
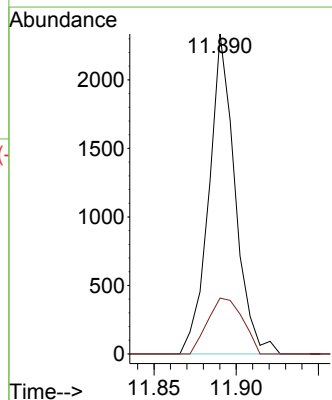
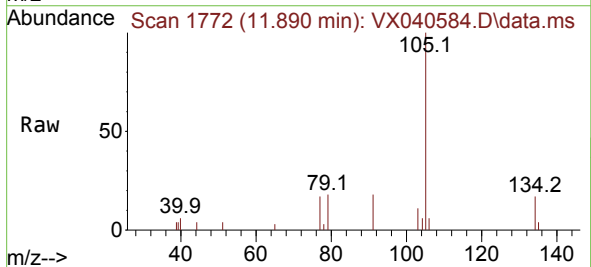
Instrument :
MSVOA_X
ClientSampleId :
IBLK

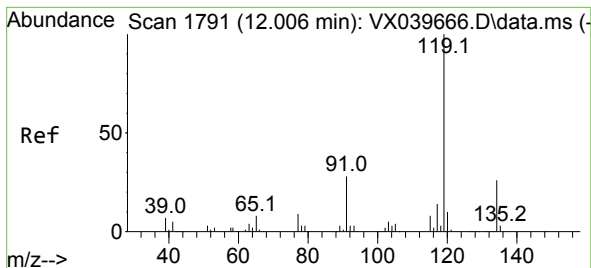
Tgt Ion:105 Resp: 1731
Ion Ratio Lower Upper
105 100
120 50.7 0.0 86.4



#81
sec-Butylbenzene
Concen: 0.565 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

Tgt Ion:105 Resp: 2580
Ion Ratio Lower Upper
105 100
134 23.3 0.0 38.4





#82

p-Isopropyltoluene

Concen: 0.693 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX040584.D

Acq: 05 Mar 2024 12:53

Instrument :

MSVOA_X

ClientSampleId :

IBLK

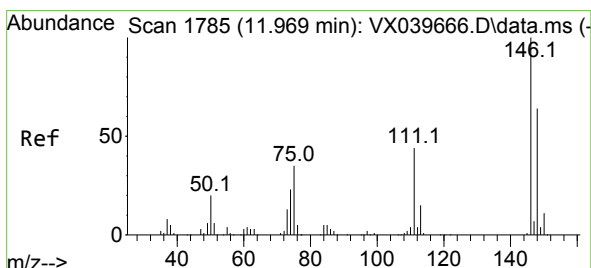
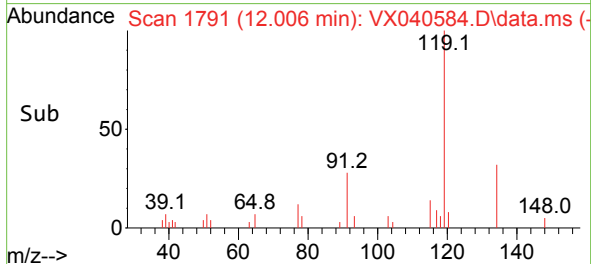
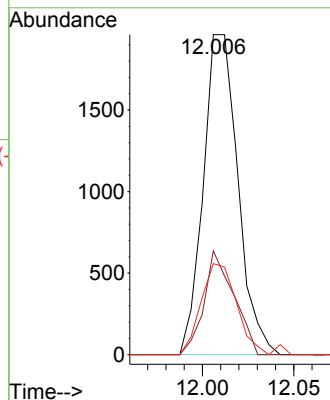
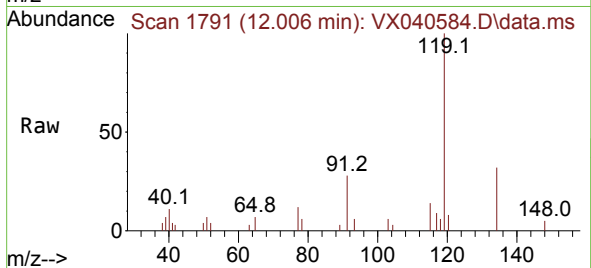
Tgt Ion:119 Resp: 2589

Ion Ratio Lower Upper

119 100

134 27.9 0.0 52.6

91 29.1 0.0 54.2



#83

1,3-Dichlorobenzene

Concen: 0.851 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX040584.D

Acq: 05 Mar 2024 12:53

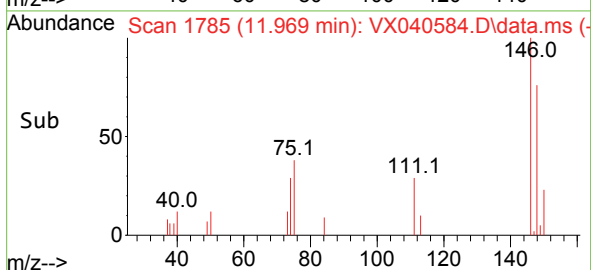
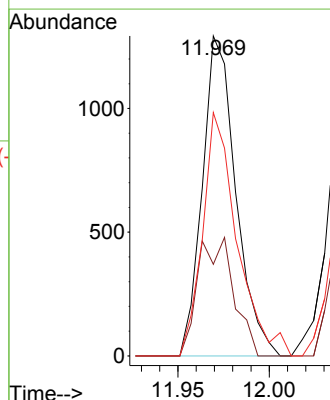
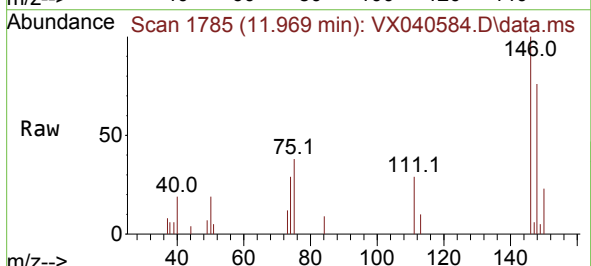
Tgt Ion:146 Resp: 1649

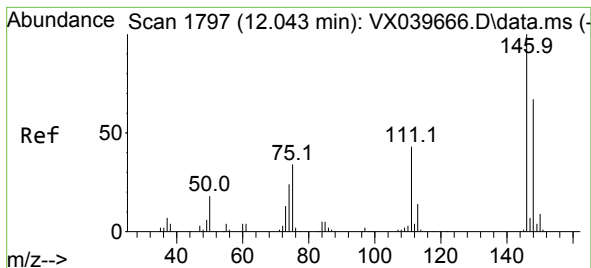
Ion Ratio Lower Upper

146 100

111 39.4 22.3 66.9

148 78.0 32.8 98.3





#84

1,4-Dichlorobenzene

Concen: 1.039 ug/l

RT: 12.043 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX040584.D

Acq: 05 Mar 2024 12:53

Instrument :

MSVOA_X

ClientSampleId :

IBLK

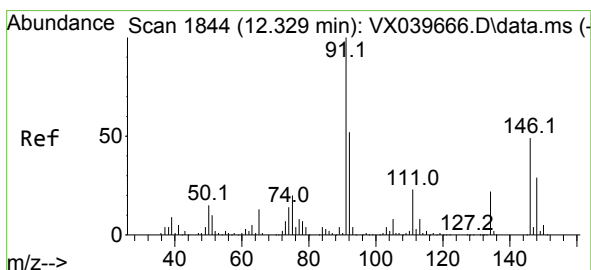
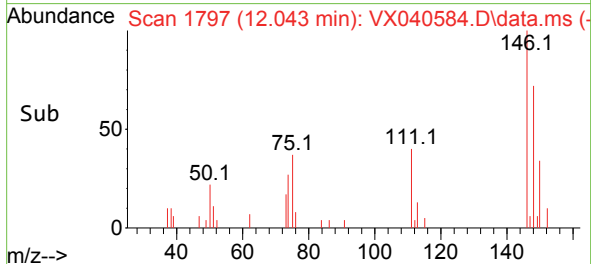
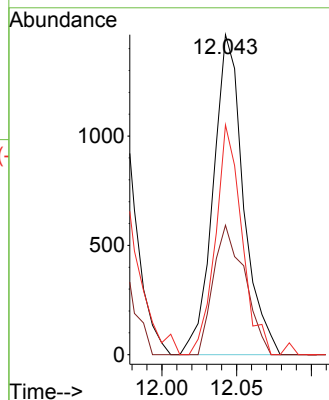
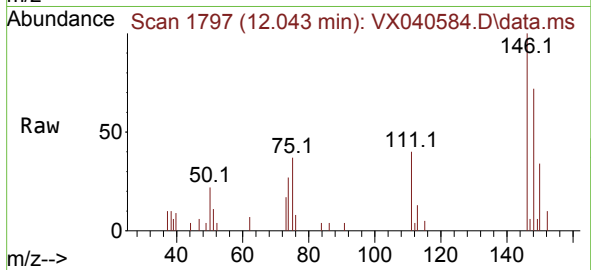
Tgt Ion:146 Resp: 2060

Ion Ratio Lower Upper

146 100

111 41.8 21.4 64.2

148 62.7 31.8 95.4



#85

n-Butylbenzene

Concen: 0.920 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX040584.D

Acq: 05 Mar 2024 12:53

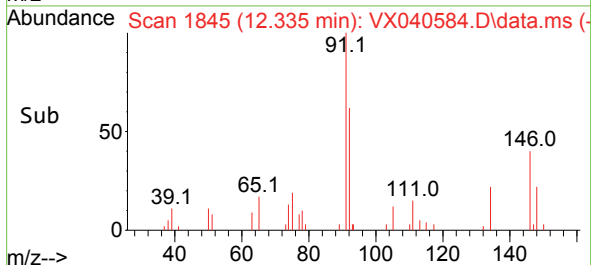
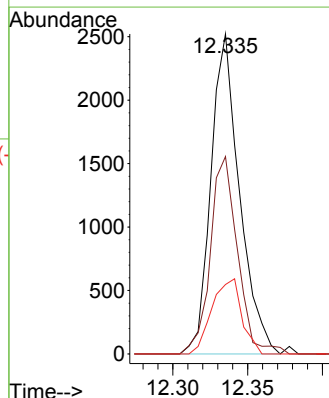
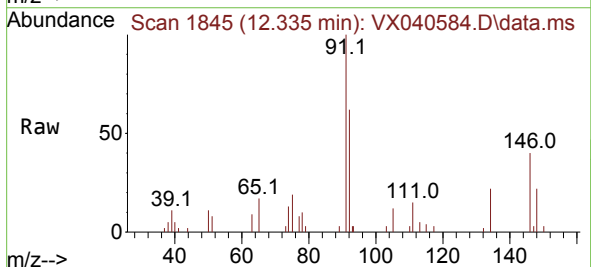
Tgt Ion: 91 Resp: 3347

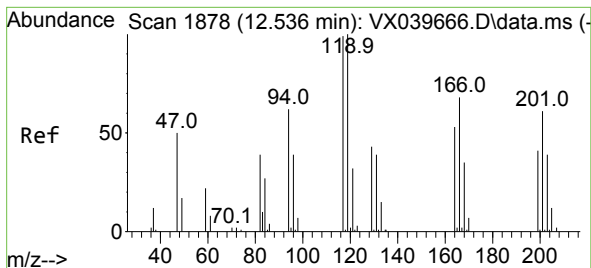
Ion Ratio Lower Upper

91 100

92 57.6 0.0 106.2

134 24.5 0.0 48.8





#86

Hexachloroethane

Concen: 0.547 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX040584.D

Acq: 05 Mar 2024 12:53

Instrument :

MSVOA_X

ClientSampleId :

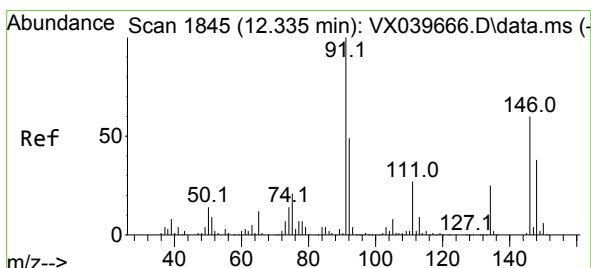
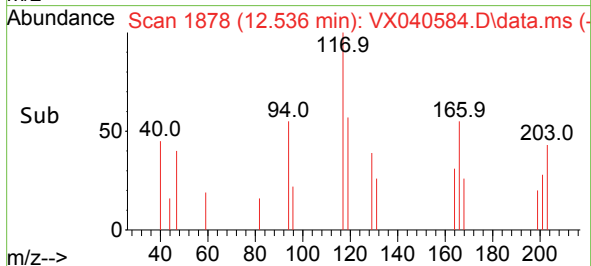
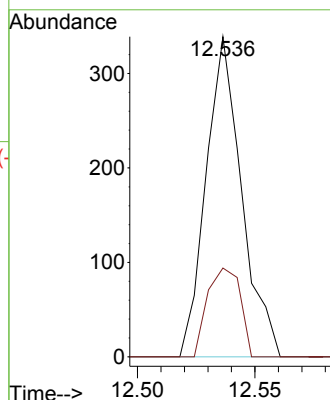
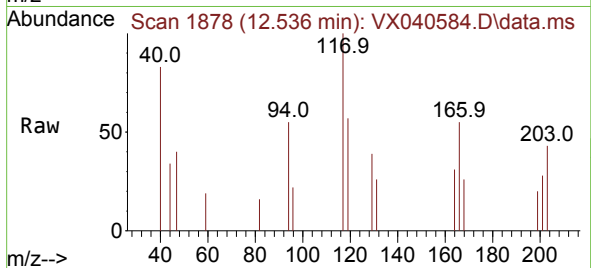
IBLK

Tgt Ion:117 Resp: 357

Ion Ratio Lower Upper

117 100

201 25.5 31.8 95.3#



#87

1,2-Dichlorobenzene

Concen: 0.745 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX040584.D

Acq: 05 Mar 2024 12:53

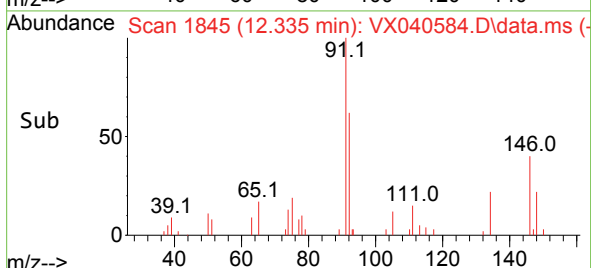
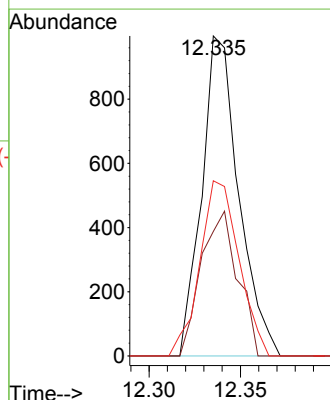
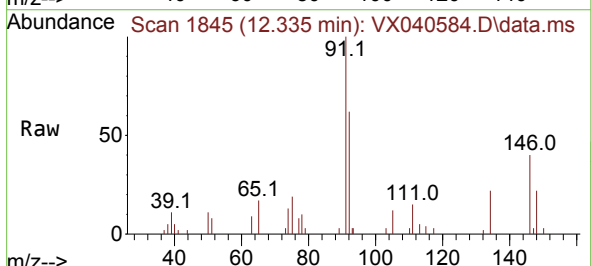
Tgt Ion:146 Resp: 1404

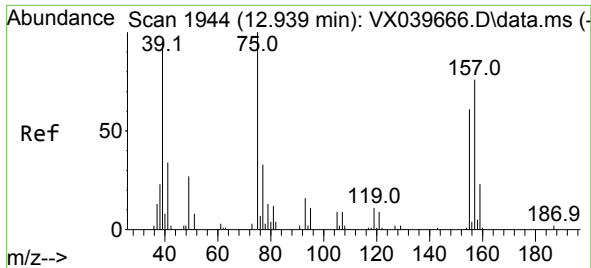
Ion Ratio Lower Upper

146 100

111 44.9 22.4 67.2

148 57.8 31.9 95.7

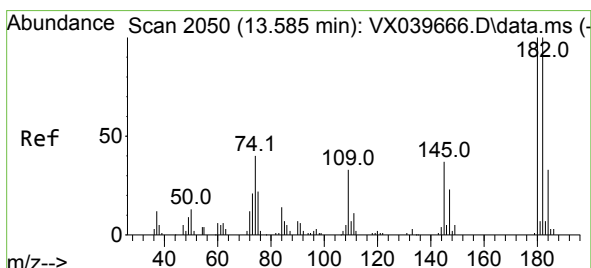
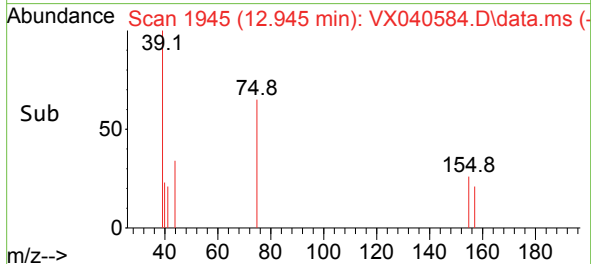
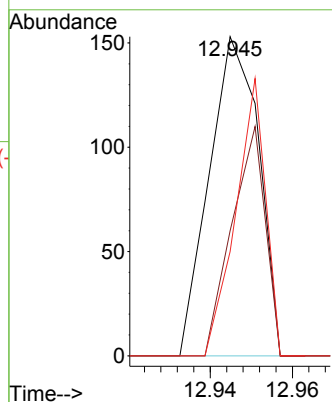
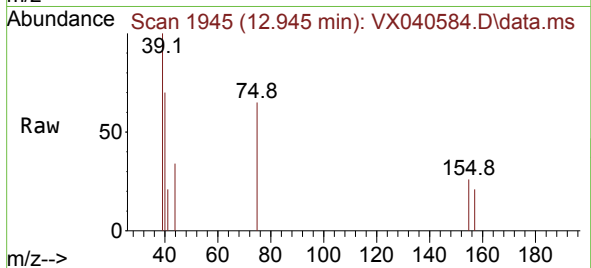




#88
1,2-Dibromo-3-Chloropropane
Concen: 0.322 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

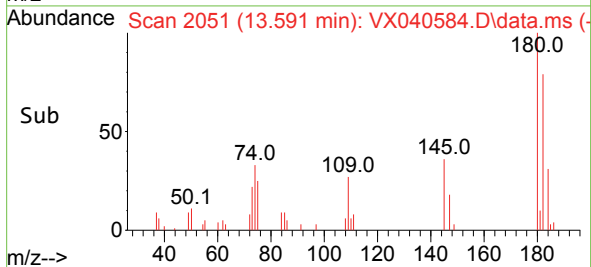
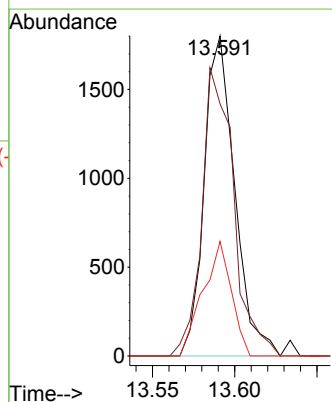
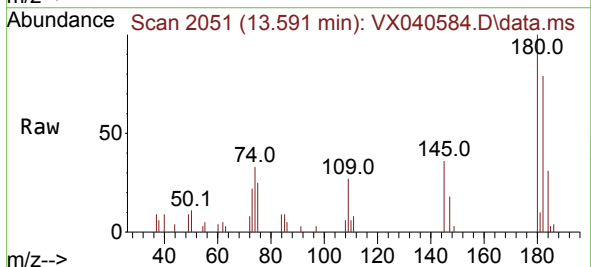
Instrument :
MSVOA_X
ClientSampleId :
IBLK

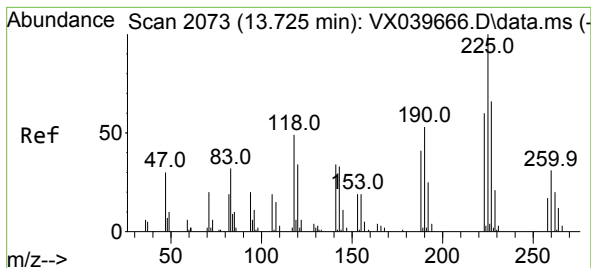
Tgt Ion: 75 Resp: 127
Ion Ratio Lower Upper
75 100
155 48.8 58.2 87.4#
157 52.8 76.5 114.7#



#89
1,2,4-Trichlorobenzene
Concen: 1.828 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX040584.D
Acq: 05 Mar 2024 12:53

Tgt Ion: 180 Resp: 2319
Ion Ratio Lower Upper
180 100
182 93.5 74.5 111.7
145 33.4 26.6 40.0





#90

Hexachlorobutadiene

Concen: 3.587 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX040584.D

Acq: 05 Mar 2024 12:53

Instrument :

MSVOA_X

ClientSampleId :

IBLK

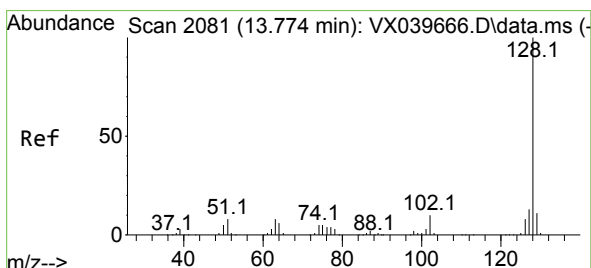
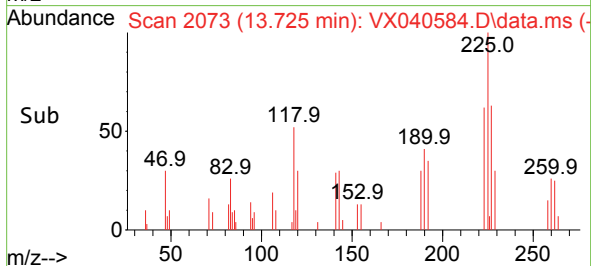
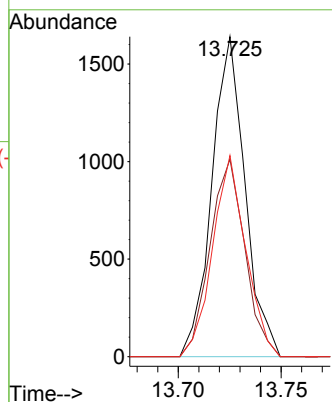
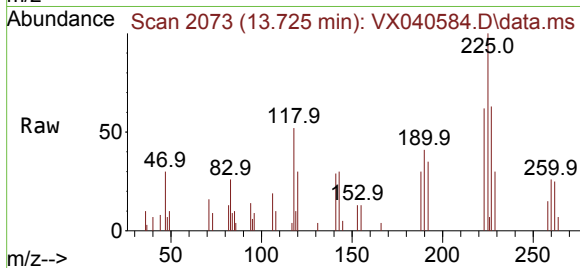
Tgt Ion:225 Resp: 1840

Ion Ratio Lower Upper

225 100

223 64.8 0.0 124.4

227 63.2 0.0 124.4



#91

Naphthalene

Concen: 1.889 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX040584.D

Acq: 05 Mar 2024 12:53

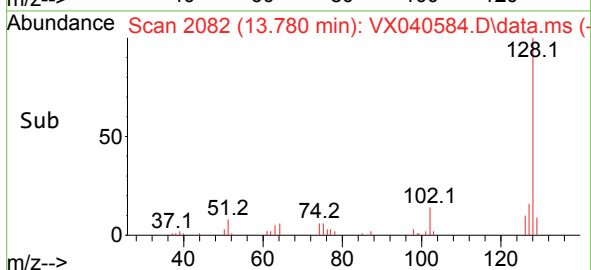
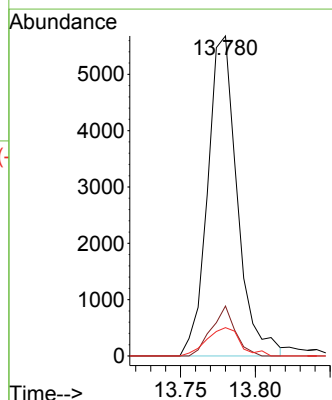
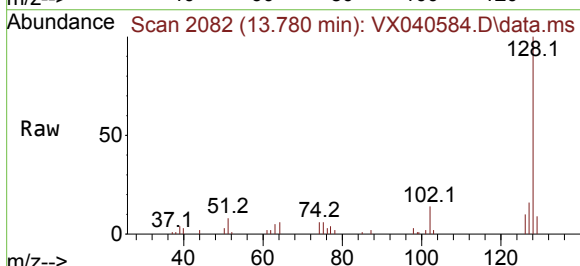
Tgt Ion:128 Resp: 7818

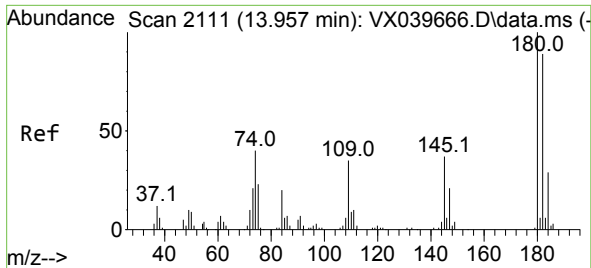
Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

129 9.6 8.6 12.8





#92
 1,2,3-Trichlorobenzene
 Concen: 1.987 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.006 min
 Lab File: VX040584.D
 Acq: 05 Mar 2024 12:53

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Tgt Ion:180 Resp: 2485
 Ion Ratio Lower Upper
 180 100
 182 79.9 0.0 191.6
 145 30.1 0.0 69.6

