

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111623\
 Data File : VX038836.D
 Acq On : 16 Nov 2023 12:29
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Nov 16 22:45:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 15:22:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	142046	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	286035	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	282361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	137299	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	103390	45.171	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.340%
35) Dibromofluoromethane	5.385	113	91281	44.186	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.380%
50) Toluene-d8	8.647	98	362195	45.825	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.640%#
62) 4-Bromofluorobenzene	11.079	95	147666	46.671	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.340%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.167	85	1041	0.628	ug/l	81
3) Chloromethane	1.295	50	1044	0.483	ug/l #	76
4) Vinyl Chloride	1.374	62	1104	0.530	ug/l #	82
5) Bromomethane	1.612	94	462	0.536	ug/l #	54
6) Chloroethane	1.691	64	384	0.323	ug/l #	43
7) Trichlorofluoromethane	1.886	101	1412	0.534	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.331	101	968	0.552	ug/l #	71
10) Methyl Iodide	2.453	142	769	0.360	ug/l #	91
11) Tert butyl alcohol	2.947	59	1048	1.646	ug/l #	56
12) 1,1-Dichloroethene	2.325	96	1232	0.696	ug/l #	66
13) Acrolein	2.227	56	1269	3.768	ug/l #	14
14) Allyl chloride	2.648	41	744	0.210	ug/l #	24
15) Acrylonitrile	3.069	53	3448	2.563	ug/l #	89
16) Acetone	2.380	43	1541	1.265	ug/l	94
17) Carbon Disulfide	2.514	76	11612	2.117	ug/l #	95
18) Methyl Acetate	2.709	43	1200	0.207	ug/l	99
20) Methylene Chloride	2.788	84	2012	0.916	ug/l	89
21) trans-1,2-Dichloroethene	3.099	96	1714	0.877	ug/l #	77
23) Vinyl Acetate	3.751	43	2072	0.442	ug/l	99
28) Bromochloromethane	4.910	49	515	0.295	ug/l #	77
31) Cyclohexane	5.477	56	1300	0.398	ug/l #	93
36) 1,1-Dichloropropene	5.702	75	1865	0.630	ug/l	88
38) Carbon Tetrachloride	5.666	117	1035	0.378	ug/l #	57
39) Methylcyclohexane	7.385	83	2028	0.525	ug/l #	88
40) Benzene	6.044	78	2307	0.263	ug/l	91
42) 1,2-Dichloroethane	6.105	62	747	0.257	ug/l	79
44) Trichloroethene	7.135	130	1216	0.570	ug/l	84
46) Dibromomethane	7.586	93	315	0.200	ug/l #	55
47) Bromodichloromethane	7.824	83	626	0.201	ug/l #	76
49) 1,4-Dioxane	7.684	88	374	6.463	ug/l #	44
51) 4-Methyl-2-Pentanone	8.580	43	1596	0.405	ug/l	92
52) Toluene	8.720	92	1982	0.365	ug/l	77
53) t-1,3-Dichloropropene	8.988	75	1585	0.428	ug/l #	83
54) cis-1,3-Dichloropropene	8.379	75	1059	0.277	ug/l	89
58) 2-Chloroethyl Vinyl ether	8.251	63	1199	0.671	ug/l	99
59) 2-Hexanone	9.445	43	1759	0.557	ug/l	92

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

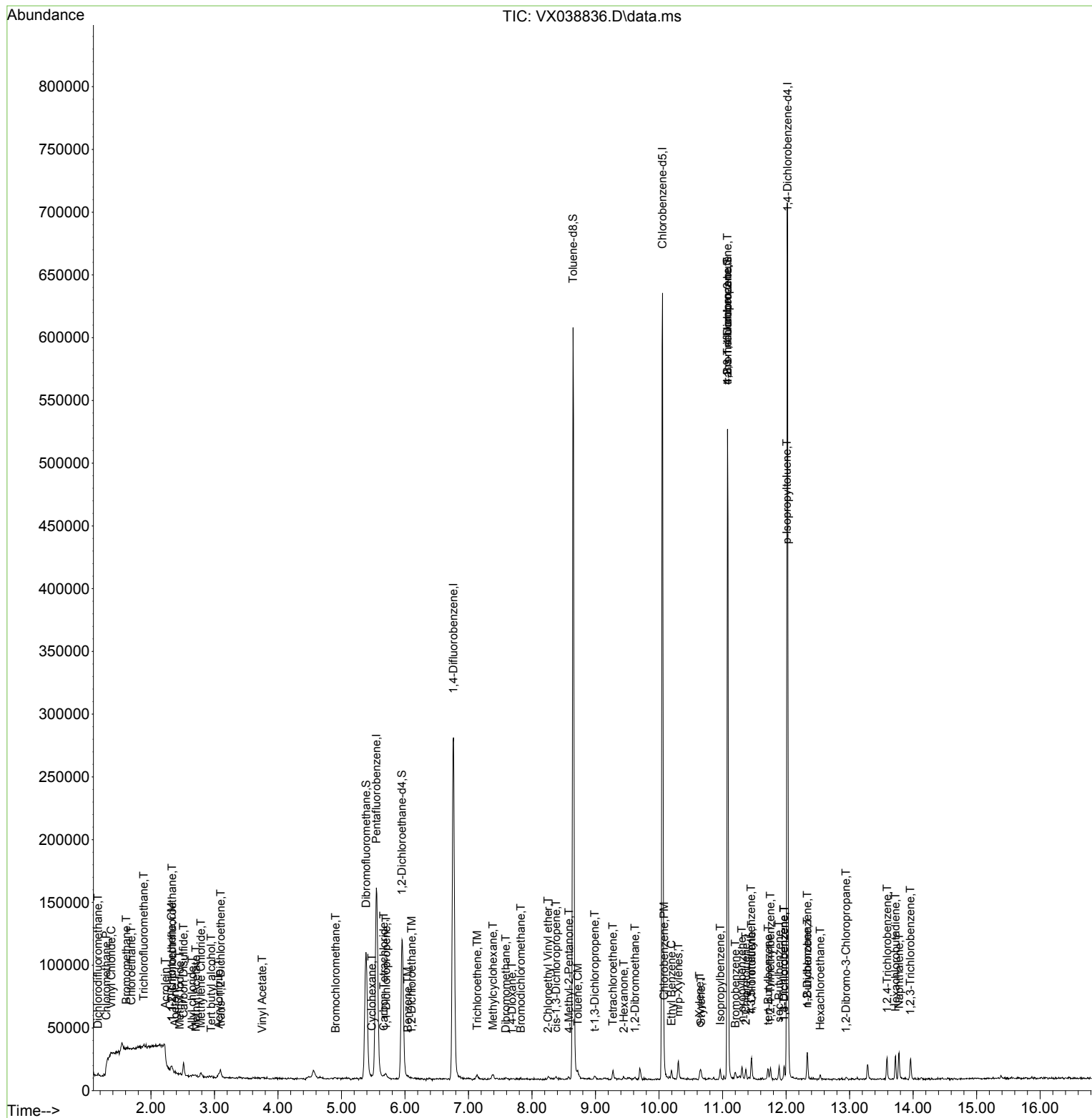
61) 1,2-Dibromoethane	9.622	107	900	0.378	ug/l	83
64) Tetrachloroethene	9.275	164	1007	0.574	ug/l #	88
65) Chlorobenzene	10.080	112	2528	0.416	ug/l	97
67) Ethyl Benzene	10.195	91	4212	0.377	ug/l	95
68) m/p-Xylenes	10.305	106	3916	0.926	ug/l	81
69) o-Xylene	10.640	106	1389	0.332	ug/l	98
70) Styrene	10.659	104	2697	0.382	ug/l	89
73) Isopropylbenzene	10.964	105	3880	0.363	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	75970	22.770	ug/l #	39
77) Bromobenzene	11.201	156	1001	0.416	ug/l	83
78) n-propylbenzene	11.305	91	7055	0.536	ug/l	98
79) 2-Chlorotoluene	11.366	91	3493	0.447	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	4167	0.463	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	75970	49.191	ug/l #	5
82) 4-Chlorotoluene	11.457	91	5393	0.599	ug/l	97
83) tert-Butylbenzene	11.719	119	3225	0.364	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	4201	0.461	ug/l	92
85) sec-Butylbenzene	11.890	105	6018	0.519	ug/l	99
86) p-Isopropyltoluene	12.012	119	5120	0.550	ug/l	85
87) 1,3-Dichlorobenzene	11.969	146	3176	0.675	ug/l	95
88) 1,4-Dichlorobenzene	11.969	146	3176	0.659	ug/l	94
89) n-Butylbenzene	12.335	91	7829	0.834	ug/l	92
90) Hexachloroethane	12.536	117	725	0.390	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	2277	0.510	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.945	75	365	0.357	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	3998	1.336	ug/l	97
94) Hexachlorobutadiene	13.725	225	2436	2.299	ug/l	96
95) Naphthalene	13.780	128	14264	1.280	ug/l	97
96) 1,2,3-Trichlorobenzene	13.957	180	3840	1.354	ug/l	97

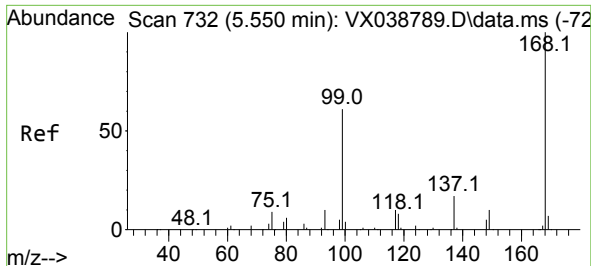
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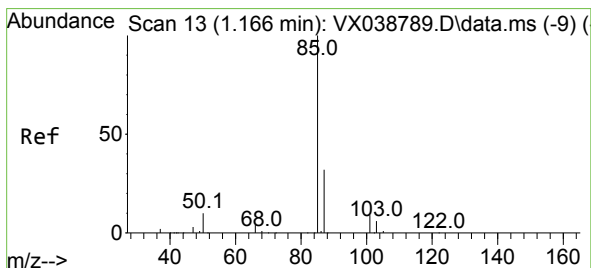
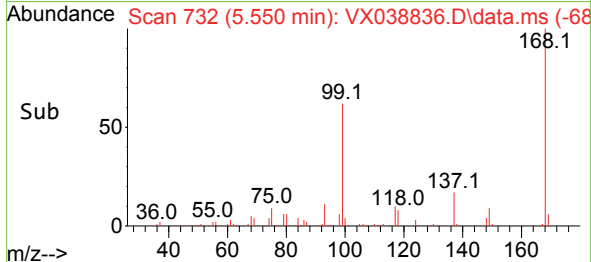
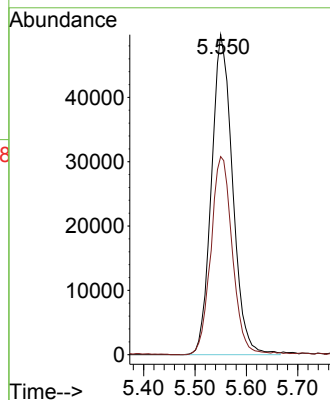
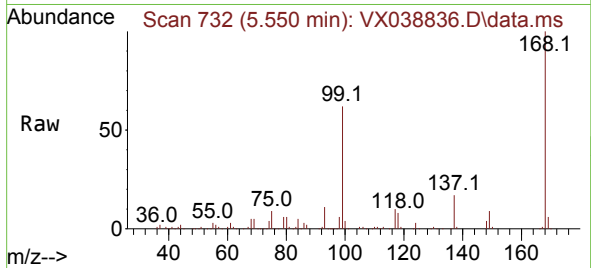




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
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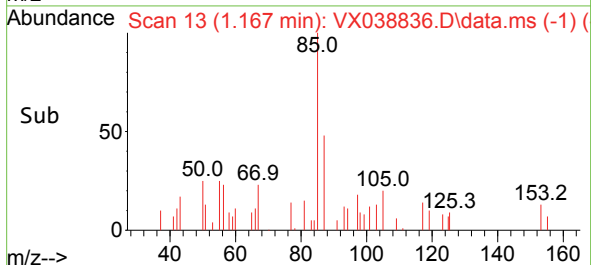
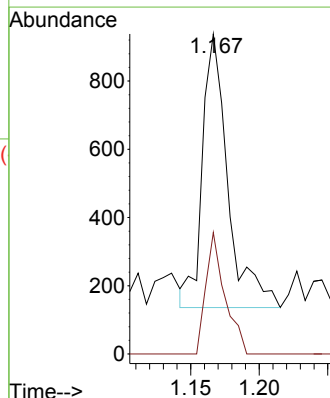
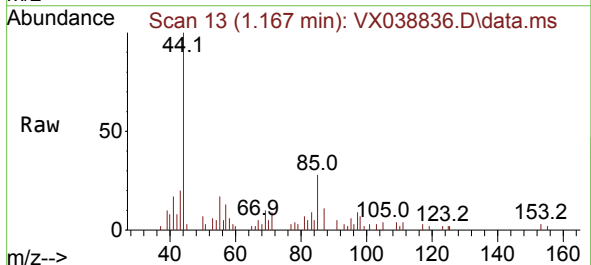
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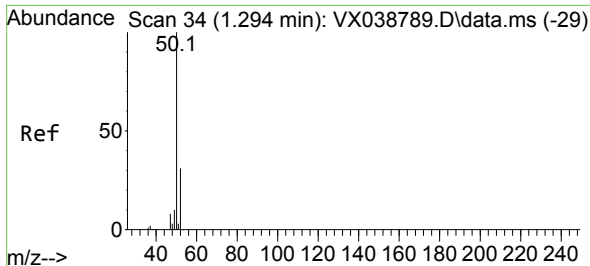
Tgt Ion:168 Resp: 142046
Ion Ratio Lower Upper
168 100
99 61.9 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.628 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.001 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

Tgt Ion: 85 Resp: 1041
Ion Ratio Lower Upper
85 100
87 44.4 16.7 50.1

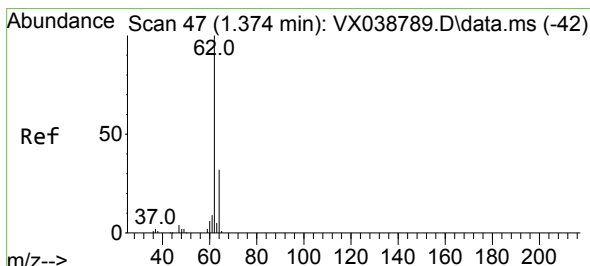
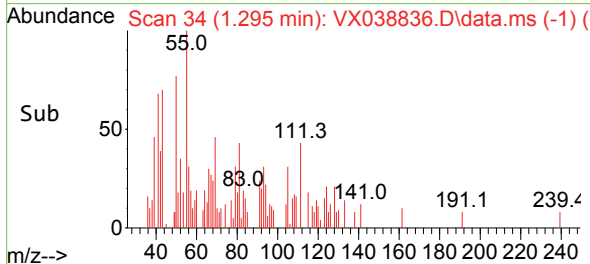
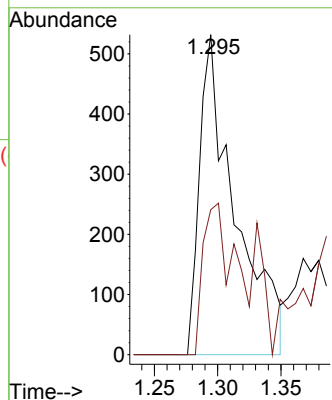
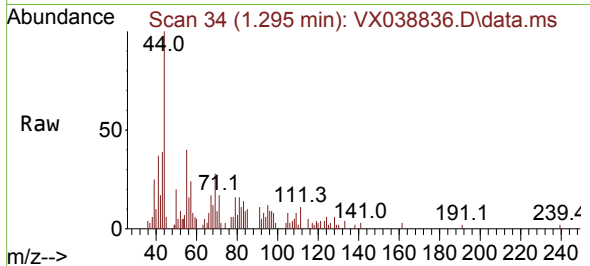




#3
Chloromethane
Concen: 0.483 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

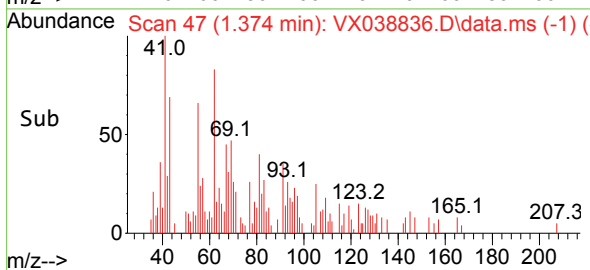
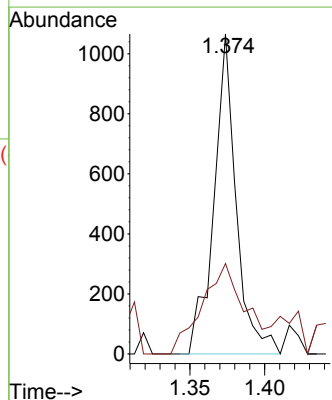
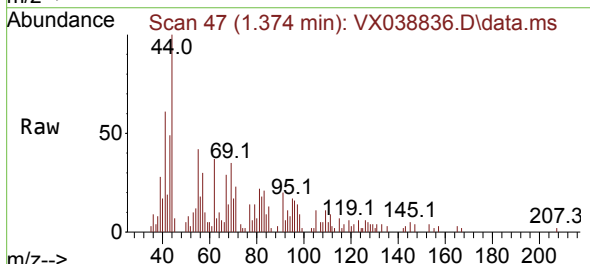
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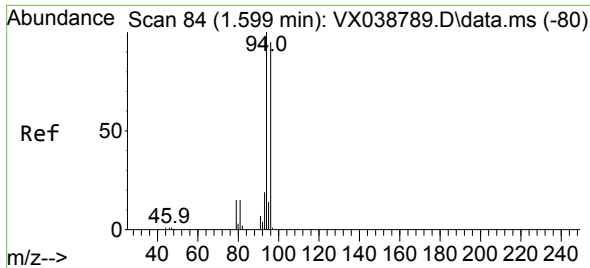
Tgt Ion: 50 Resp: 1044
Ion Ratio Lower Upper
50 100
52 45.3 25.5 38.3#



#4
Vinyl Chloride
Concen: 0.530 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

Tgt Ion: 62 Resp: 1104
Ion Ratio Lower Upper
62 100
64 21.7 25.4 38.0#

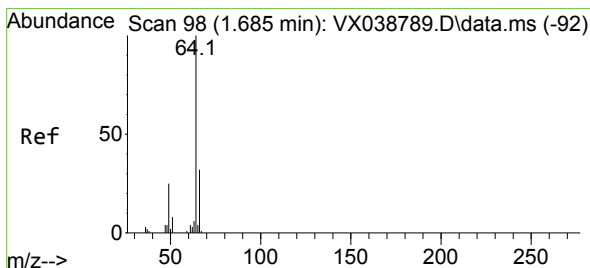
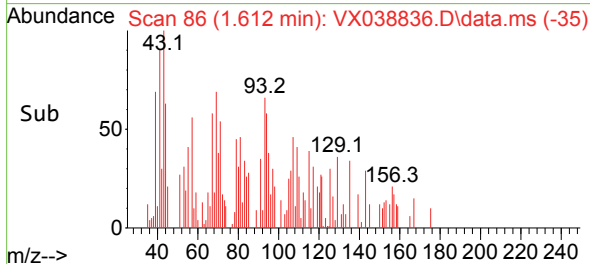
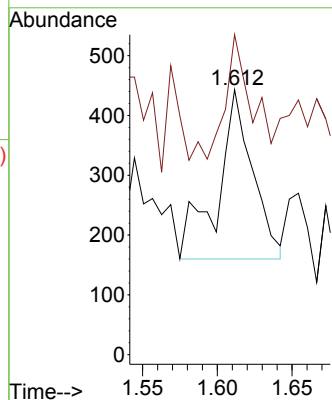
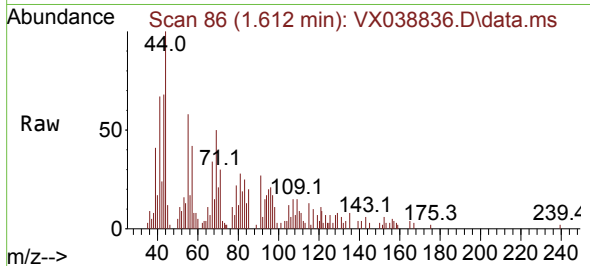




#5
Bromomethane
Concen: 0.536 ug/l
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

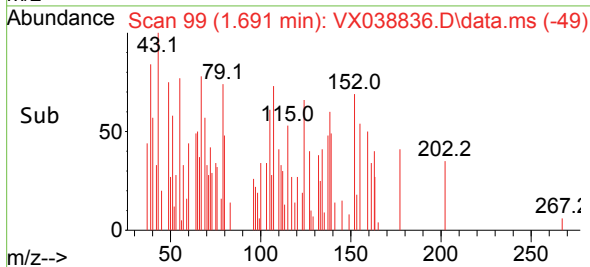
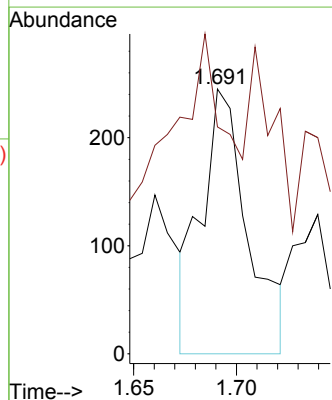
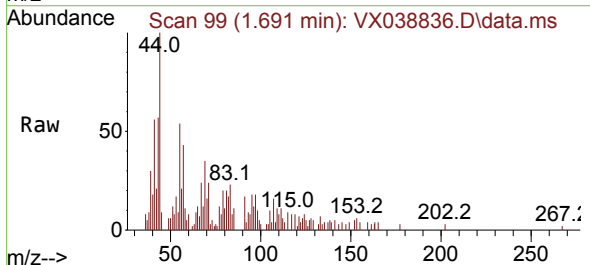
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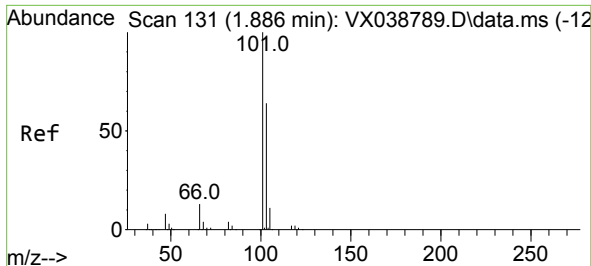
Tgt Ion: 94 Resp: 462
Ion Ratio Lower Upper
94 100
96 49.5 74.6 111.8#



#6
Chloroethane
Concen: 0.323 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

Tgt Ion: 64 Resp: 384
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

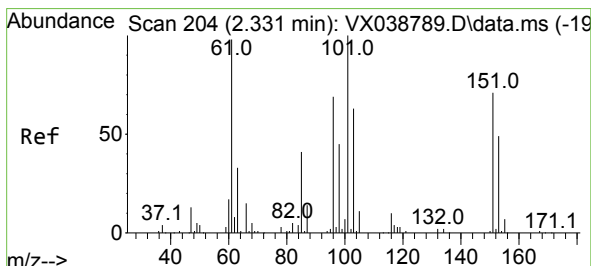
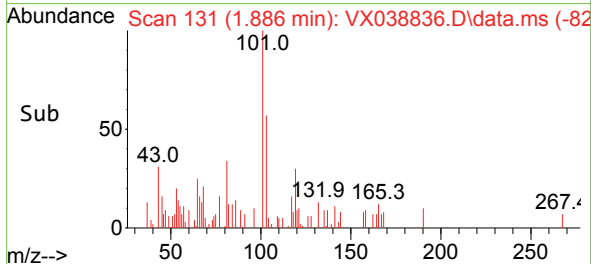
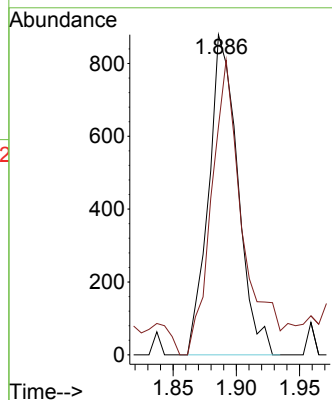
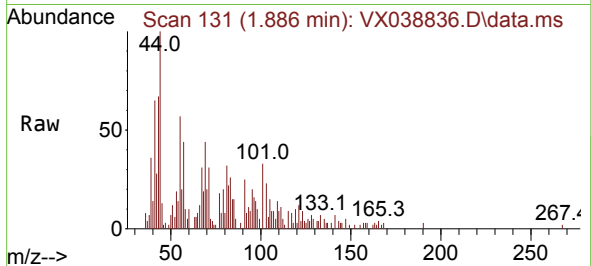




#7
 Trichlorofluoromethane
 Concen: 0.534 ug/l
 RT: 1.886 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX038836.D
 Acq: 16 Nov 2023 12:29

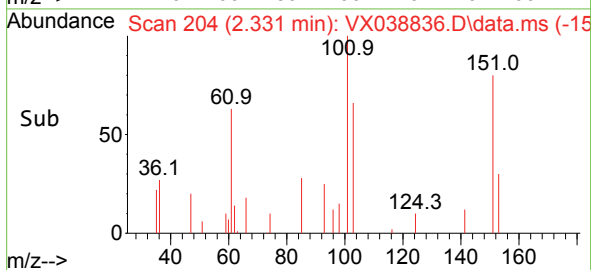
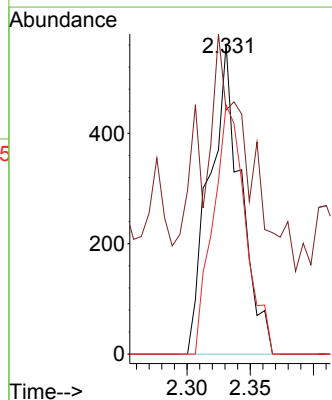
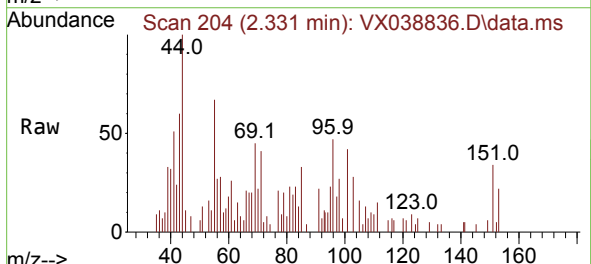
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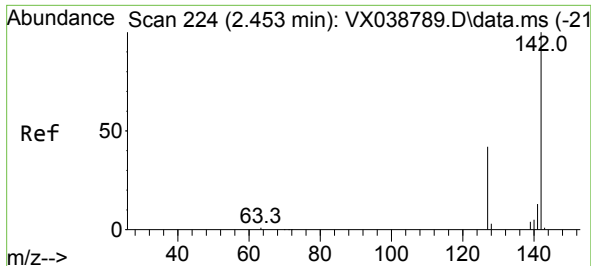
Tgt Ion:101 Resp: 1412
 Ion Ratio Lower Upper
 101 100
 103 71.2 51.4 77.2



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.552 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. 0.000 min
 Lab File: VX038836.D
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Tgt Ion:101 Resp: 968
 Ion Ratio Lower Upper
 101 100
 85 83.2 37.0 55.6#
 151 83.3 58.6 87.8

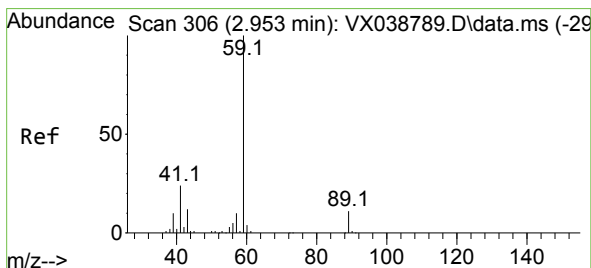
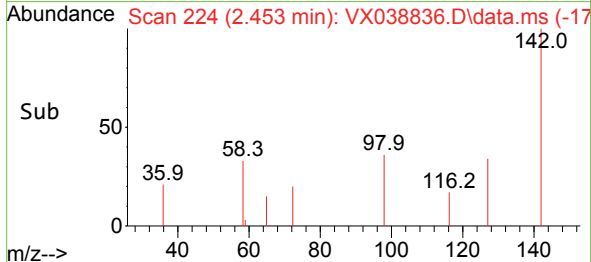
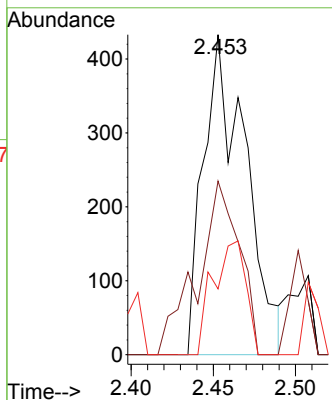
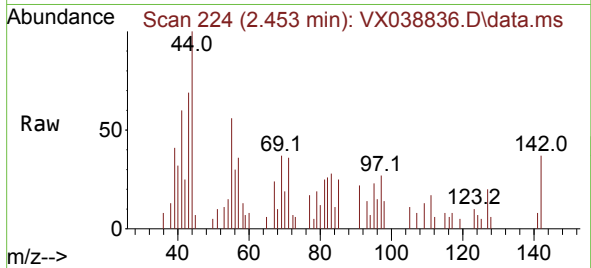




#10
Methyl Iodide
Concen: 0.360 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

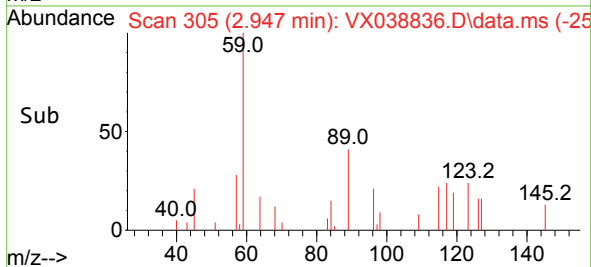
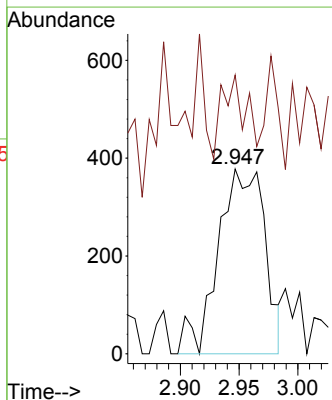
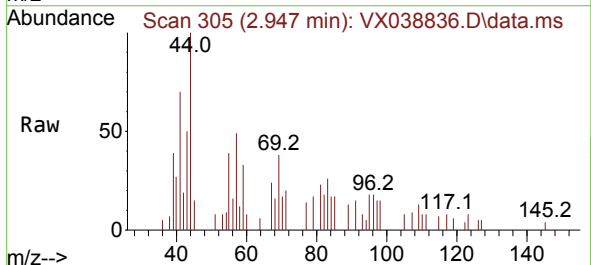
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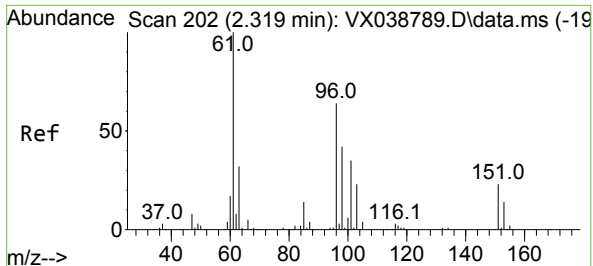
Tgt Ion:142 Resp: 769
Ion Ratio Lower Upper
142 100
127 54.1 41.6 62.4
141 27.8 11.6 17.4#



#11
Tert butyl alcohol
Concen: 1.646 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

Tgt Ion: 59 Resp: 1048
Ion Ratio Lower Upper
59 100
57 22.8 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 0.696 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX038836.D

Acq: 16 Nov 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

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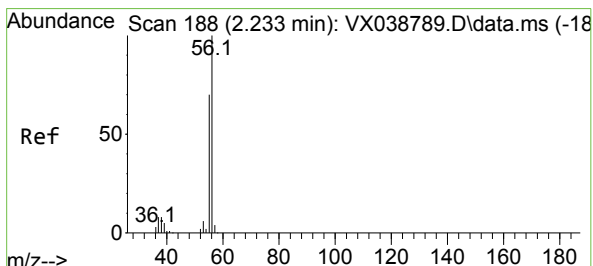
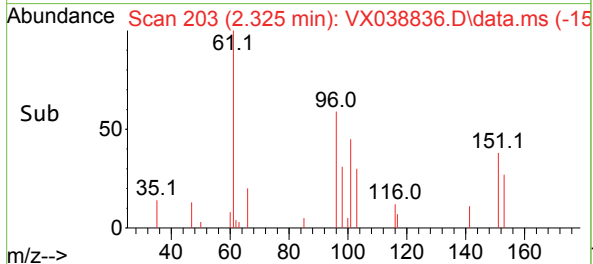
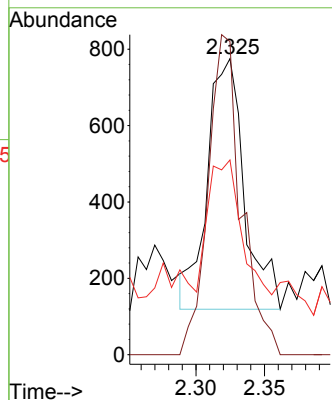
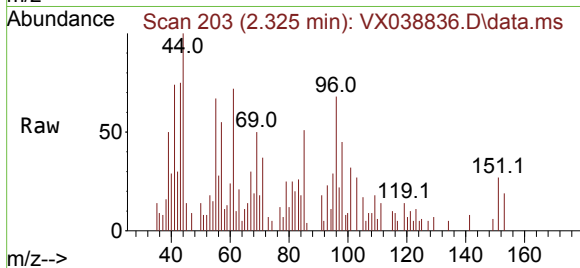
Tgt Ion: 96 Resp: 1232

Ion Ratio Lower Upper

96 100

61 125.0 144.6 216.8#

98 48.9 50.4 75.6#



#13

Acrolein

Concen: 3.768 ug/l

RT: 2.227 min Scan# 187

Delta R.T. -0.006 min

Lab File: VX038836.D

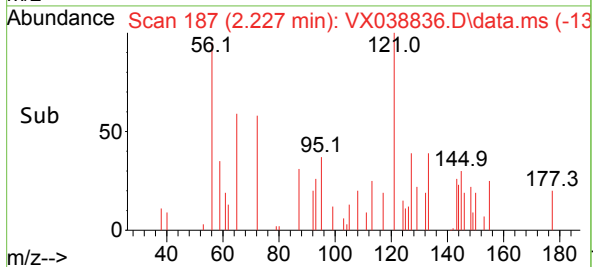
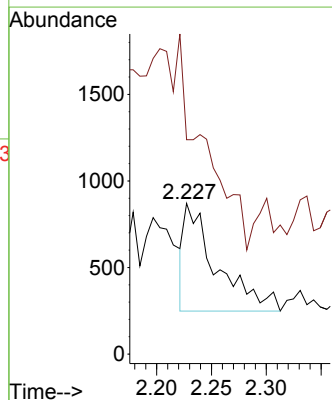
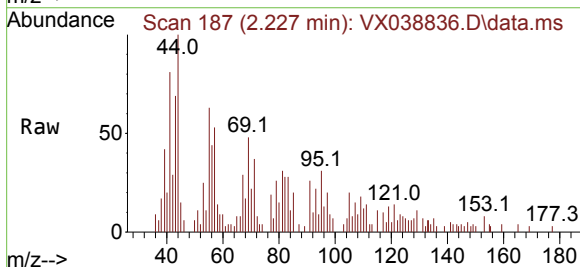
Acq: 16 Nov 2023 12:29

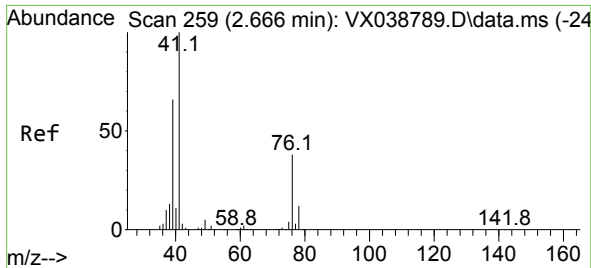
Tgt Ion: 56 Resp: 1269

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#

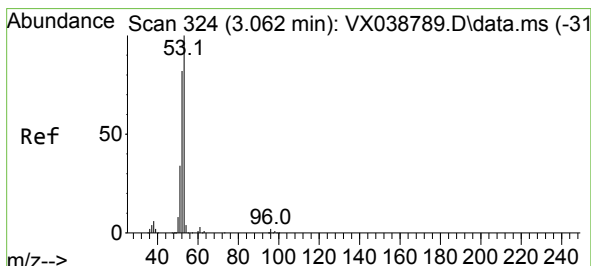
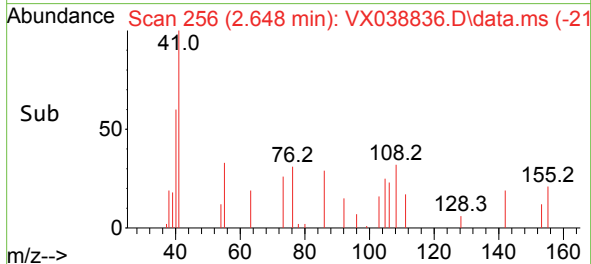
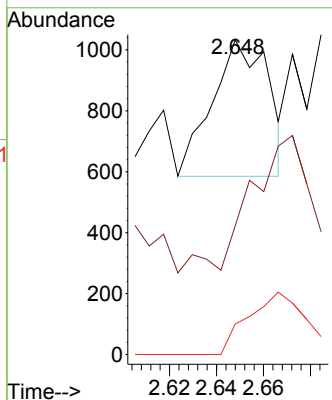
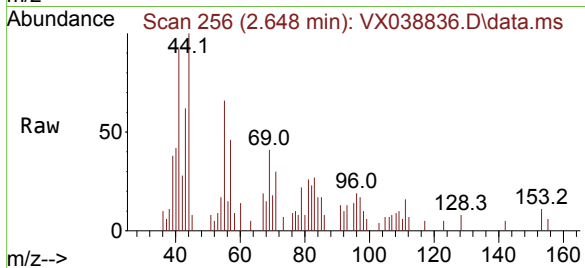




#14
Allyl chloride
Concen: 0.210 ug/l
RT: 2.648 min Scan# 21
Delta R.T. -0.018 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

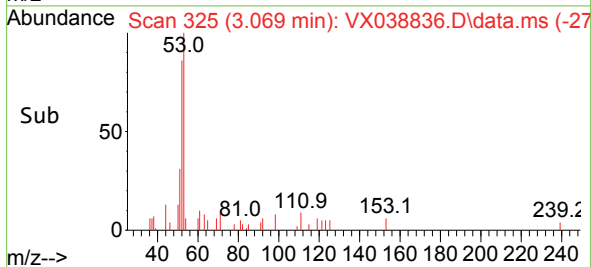
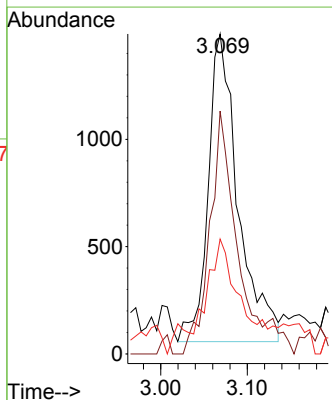
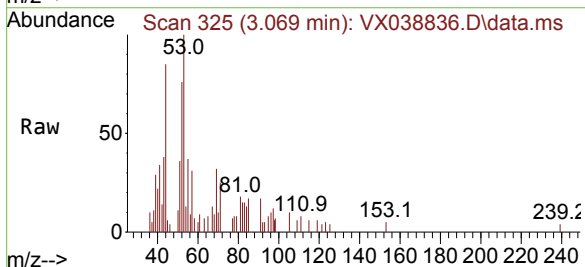
Instrument :
MSVOA_X
ClientSampleId :
IBLK

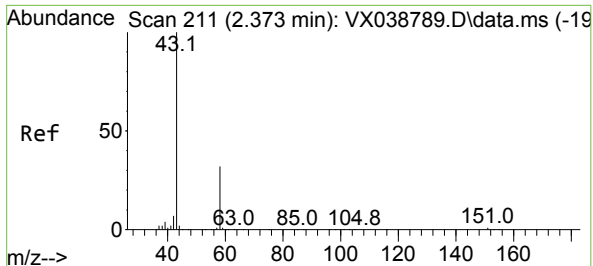
Tgt Ion: 41 Resp: 744
Ion Ratio Lower Upper
41 100
39 0.0 55.8 83.6#
76 0.0 24.3 36.5#



#15
Acrylonitrile
Concen: 2.563 ug/l
RT: 3.069 min Scan# 325
Delta R.T. 0.006 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

Tgt Ion: 53 Resp: 3448
Ion Ratio Lower Upper
53 100
52 74.4 66.0 99.0
51 27.3 29.8 44.6#

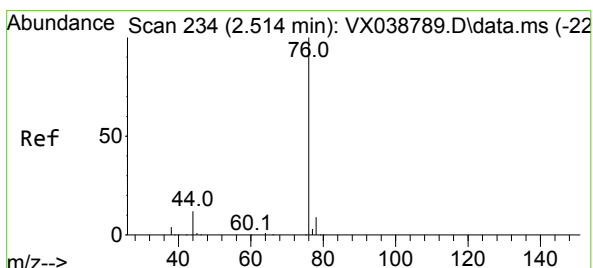
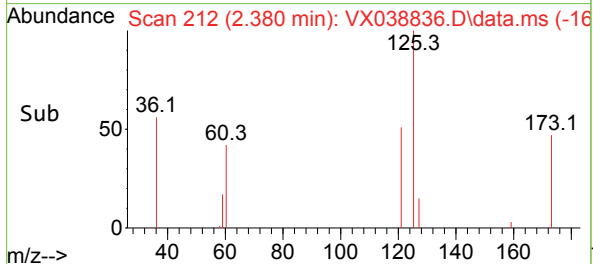
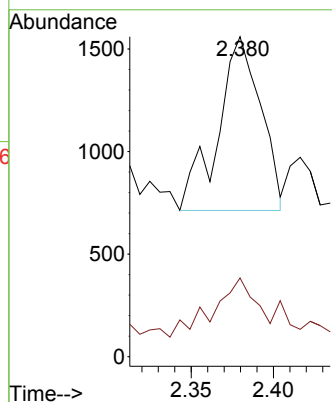
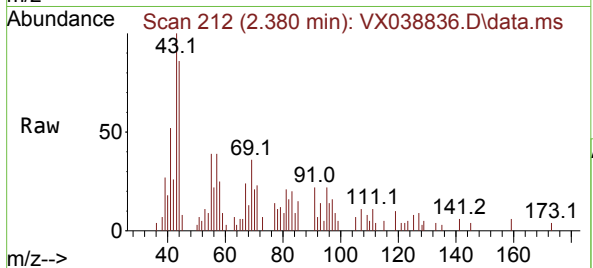




#16
Acetone
Concen: 1.265 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

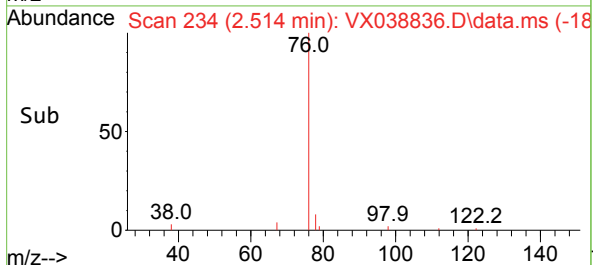
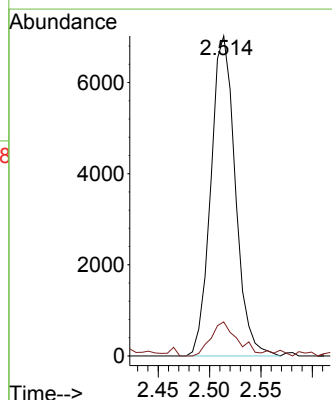
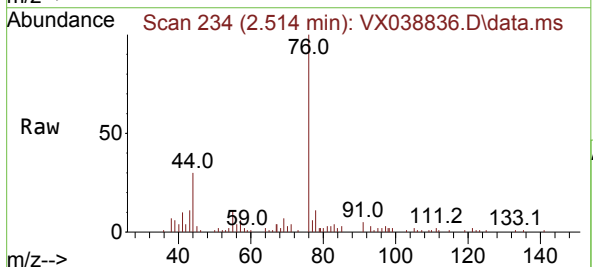
Instrument :
MSVOA_X
ClientSampleId :
IBLK

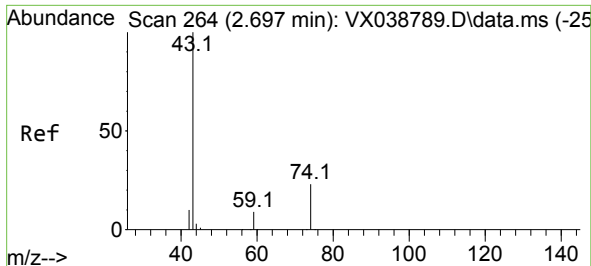
Tgt Ion: 43 Resp: 1541
Ion Ratio Lower Upper
43 100
58 24.2 21.9 32.9



#17
Carbon Disulfide
Concen: 2.117 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

Tgt Ion: 76 Resp: 11612
Ion Ratio Lower Upper
76 100
78 10.7 7.0 10.6#

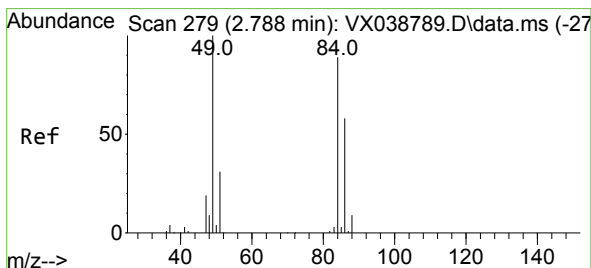
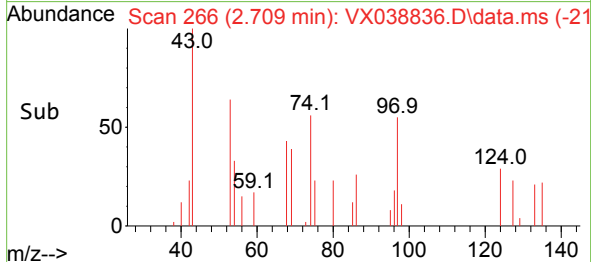
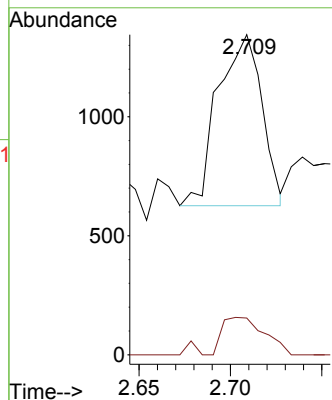
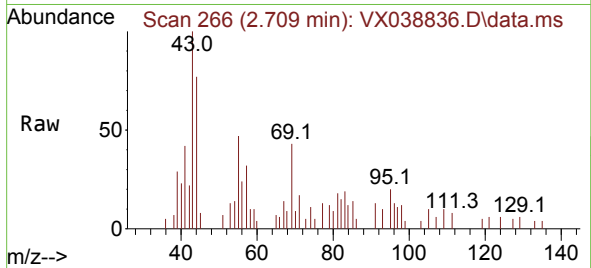




#18
Methyl Acetate
Concen: 0.207 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

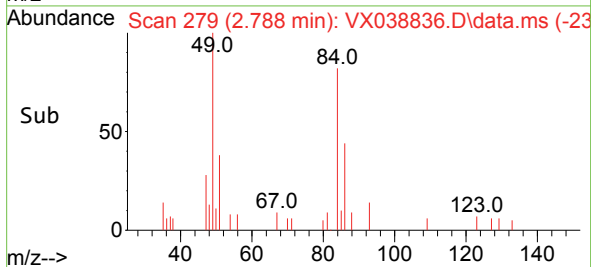
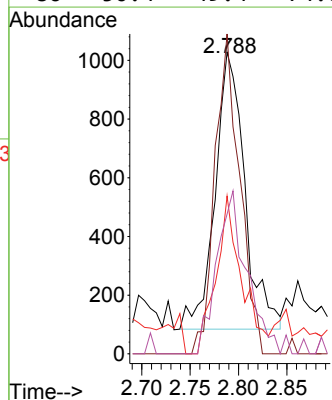
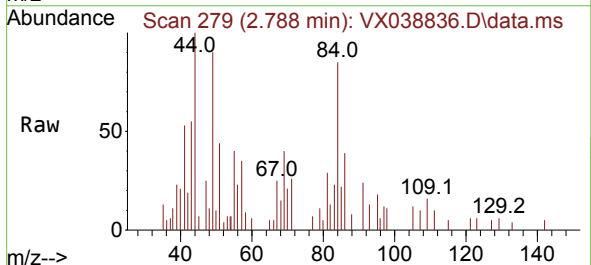
Instrument :
MSVOA_X
ClientSampleId :
IBLK

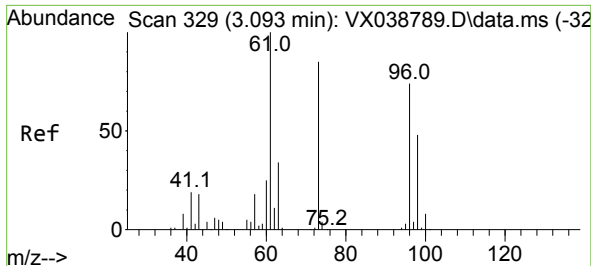
Tgt Ion: 43 Resp: 1200
Ion Ratio Lower Upper
43 100
74 22.9 17.8 26.8



#20
Methylene Chloride
Concen: 0.916 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

Tgt Ion: 84 Resp: 2012
Ion Ratio Lower Upper
84 100
49 115.5 103.6 155.4
51 44.9 33.8 50.6
86 50.4 49.4 74.0

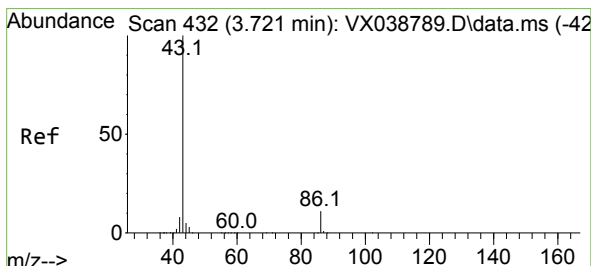
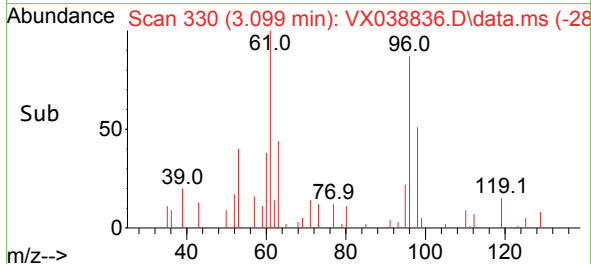
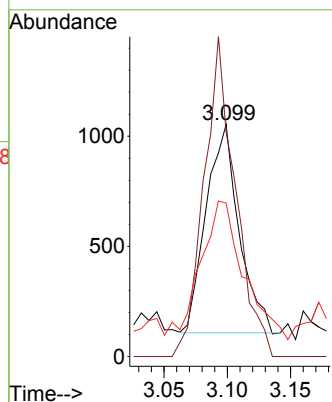
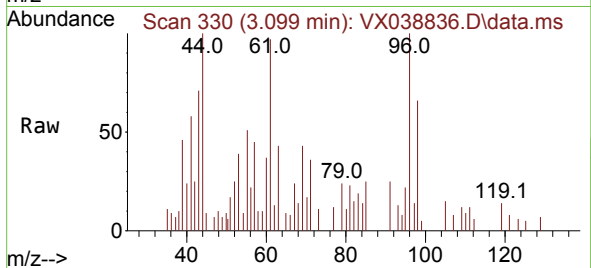




#21
trans-1,2-Dichloroethene
Concen: 0.877 ug/l
RT: 3.099 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

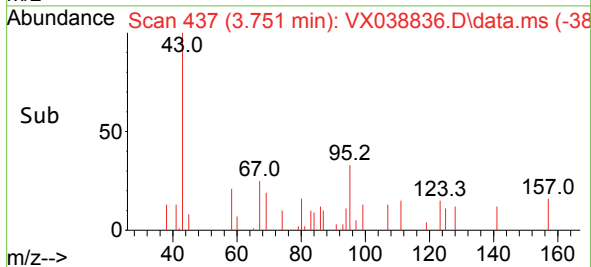
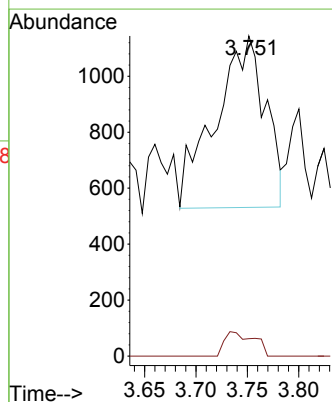
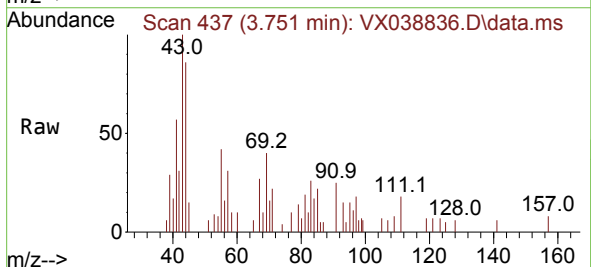
Instrument :
MSVOA_X
ClientSampleId :
IBLK

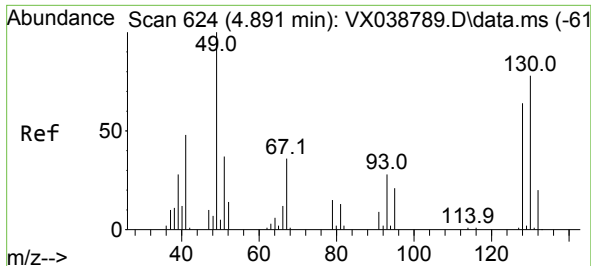
Tgt Ion: 96 Resp: 1714
Ion Ratio Lower Upper
96 100
61 107.6 119.2 178.8#
98 60.8 48.7 73.1



#23
Vinyl Acetate
Concen: 0.442 ug/l
RT: 3.751 min Scan# 437
Delta R.T. 0.031 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

Tgt Ion: 43 Resp: 2072
Ion Ratio Lower Upper
43 100
86 10.1 7.8 11.8

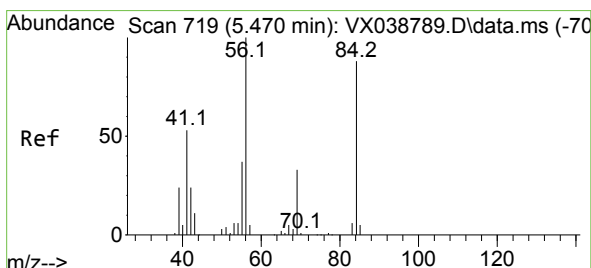
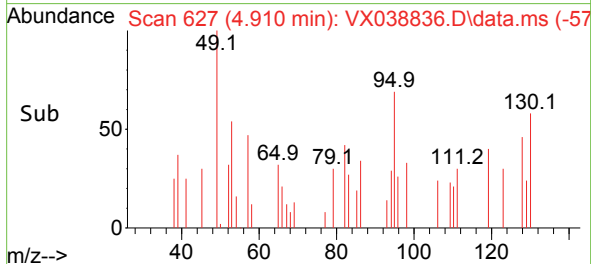
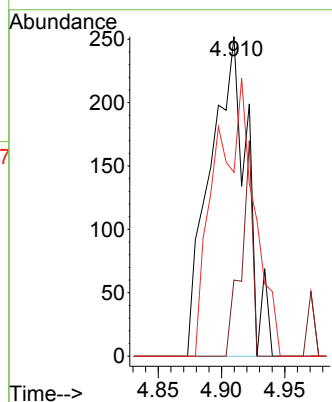
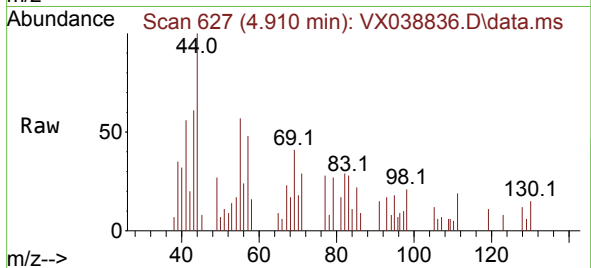




#28
Bromochloromethane
Concen: 0.295 ug/l
RT: 4.910 min Scan# 61
Delta R.T. 0.018 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

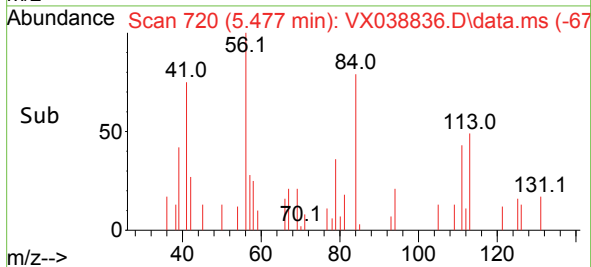
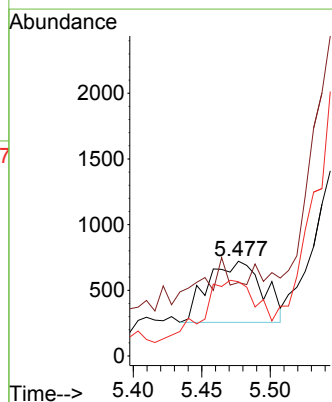
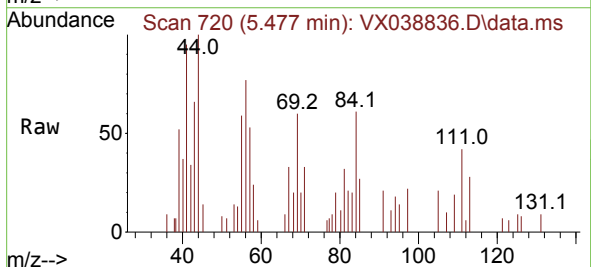
Instrument :
MSVOA_X
ClientSampleId :
IBLK

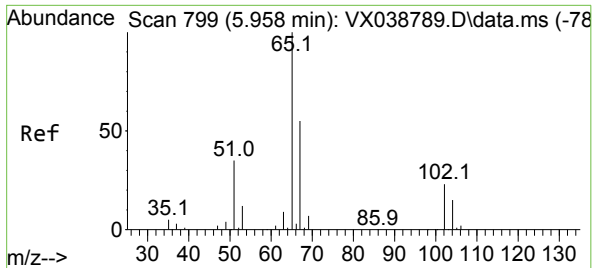
Tgt Ion: 49 Resp: 515
Ion Ratio Lower Upper
49 100
129 20.6 0.0 3.8#
130 90.3 57.5 86.3#



#31
Cyclohexane
Concen: 0.398 ug/l
RT: 5.477 min Scan# 720
Delta R.T. 0.006 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

Tgt Ion: 56 Resp: 1300
Ion Ratio Lower Upper
56 100
69 15.5 23.4 35.2#
84 81.5 65.9 98.9

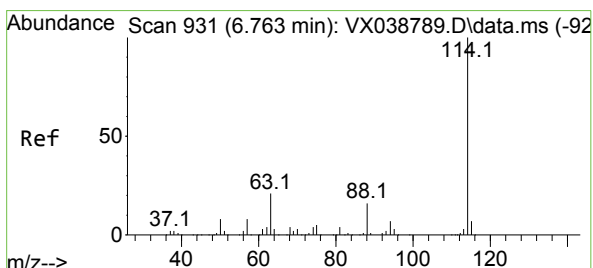
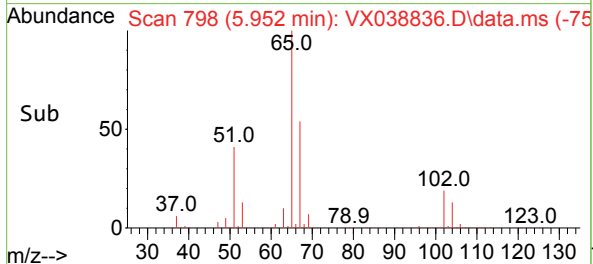
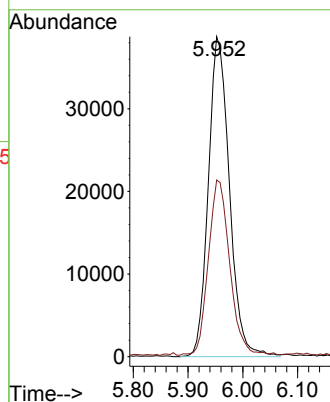
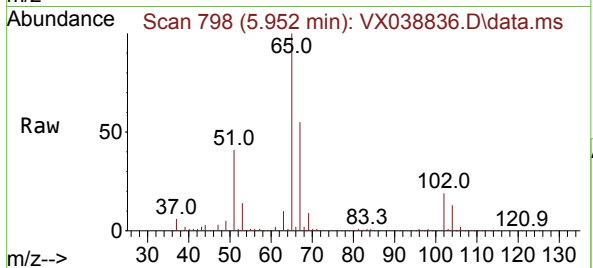




#33
1,2-Dichloroethane-d4
Concen: 45.171 ug/l
RT: 5.952 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

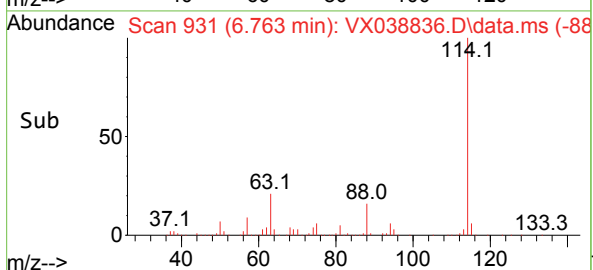
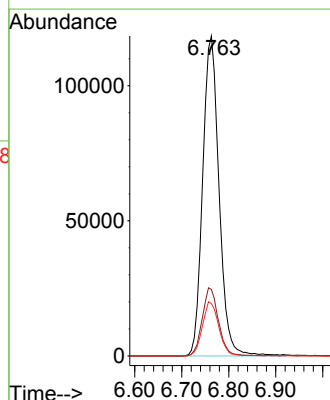
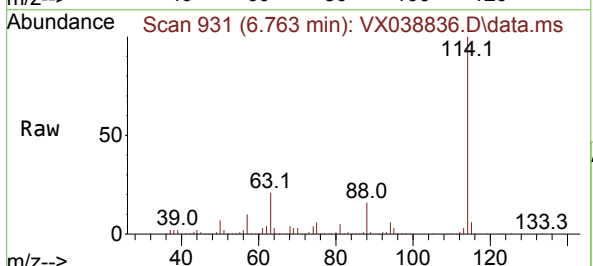
Instrument :
MSVOA_X
ClientSampleId :
IBLK

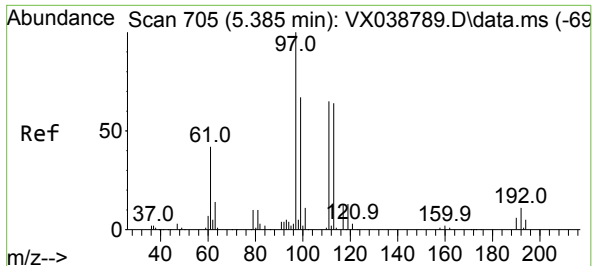
Tgt Ion: 65 Resp: 103390
Ion Ratio Lower Upper
65 100
67 55.6 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

Tgt Ion: 114 Resp: 286035
Ion Ratio Lower Upper
114 100
63 20.8 0.0 45.0
88 16.3 0.0 36.6

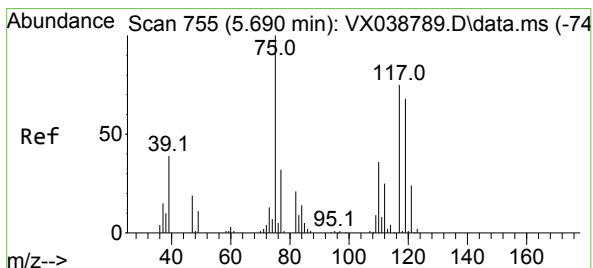
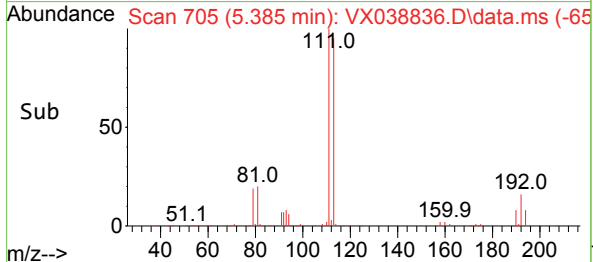
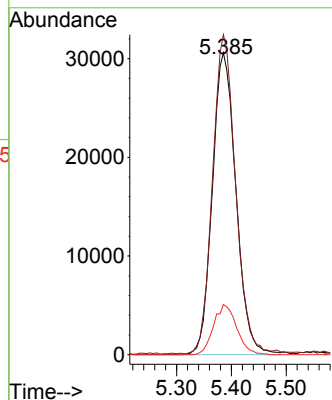
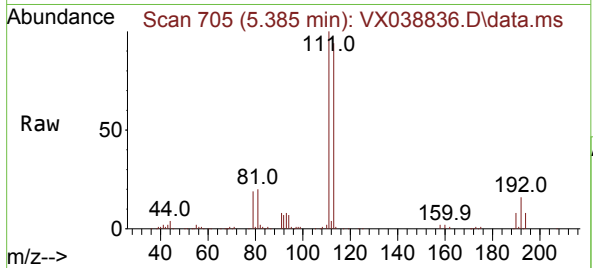




#35
Dibromofluoromethane
Concen: 44.186 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

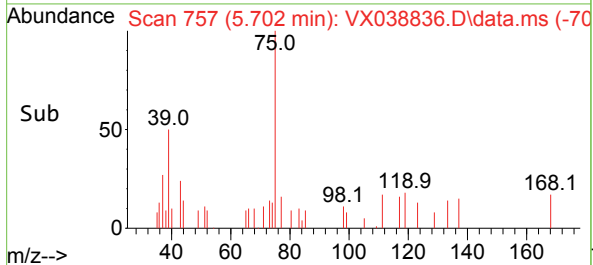
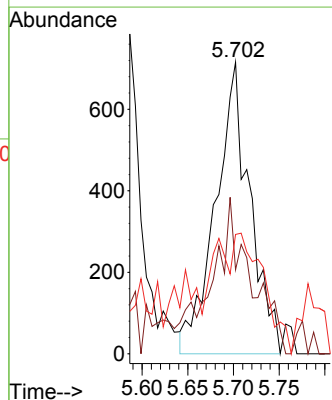
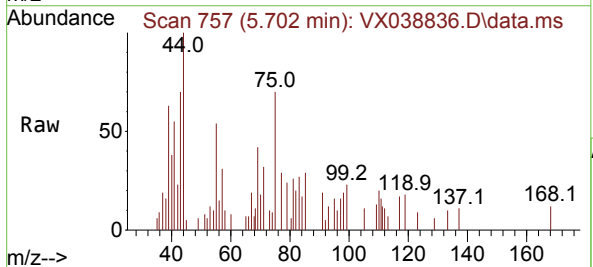
Instrument :
MSVOA_X
ClientSampleId :
IBLK

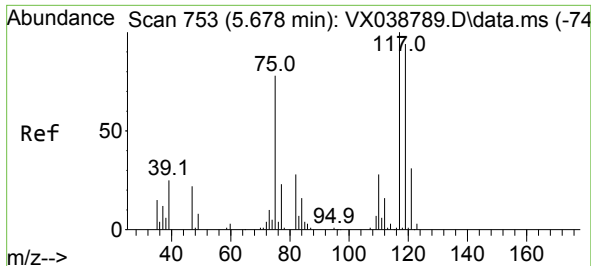
Tgt Ion:113 Resp: 91281
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 16.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 0.630 ug/l
RT: 5.702 min Scan# 757
Delta R.T. 0.012 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

Tgt Ion: 75 Resp: 1865
Ion Ratio Lower Upper
75 100
110 25.5 17.0 50.9
77 36.5 24.7 37.1

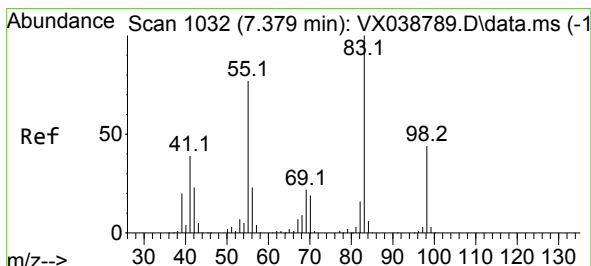
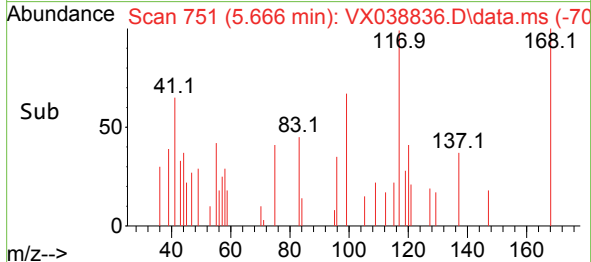
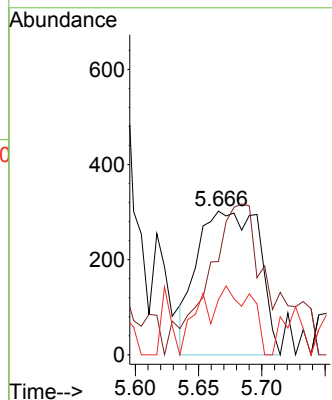
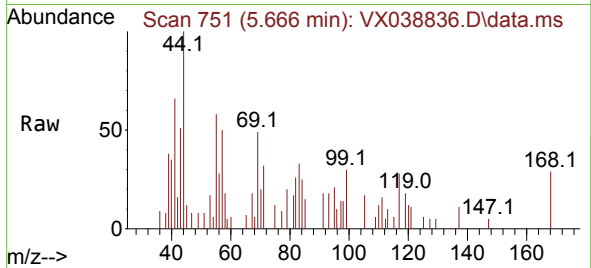




#38
Carbon Tetrachloride
Concen: 0.378 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.012 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

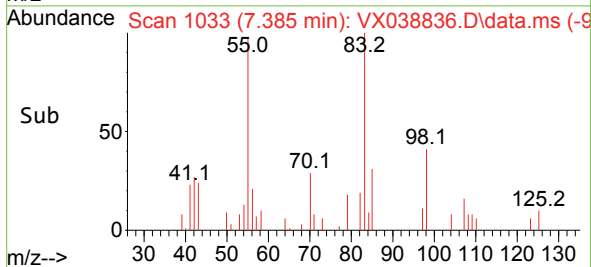
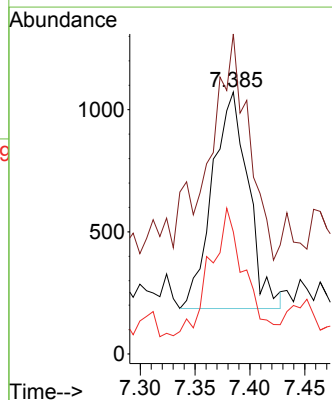
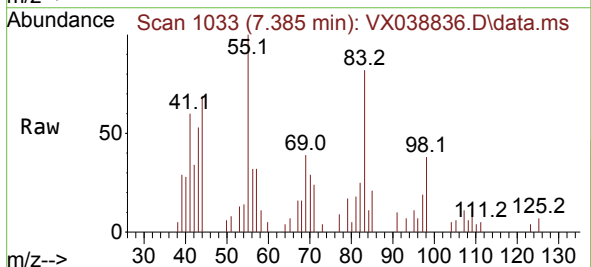
Instrument :
MSVOA_X
ClientSampleId :
IBLK

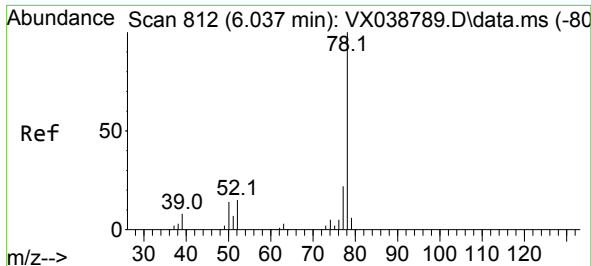
Tgt Ion:117 Resp: 1035
Ion Ratio Lower Upper
117 100
119 46.7 78.2 117.2#
121 38.4 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.525 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.006 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

Tgt Ion: 83 Resp: 2028
Ion Ratio Lower Upper
83 100
55 97.5 64.6 97.0#
98 46.0 36.7 55.1





#40

Benzene

Concen: 0.263 ug/l

RT: 6.044 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX038836.D

Acq: 16 Nov 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

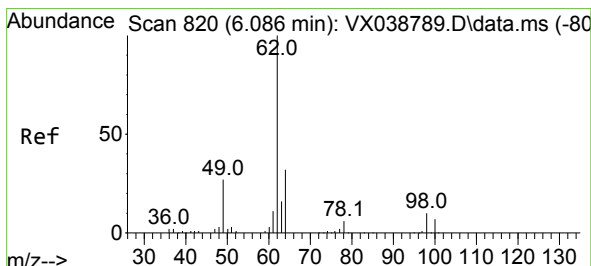
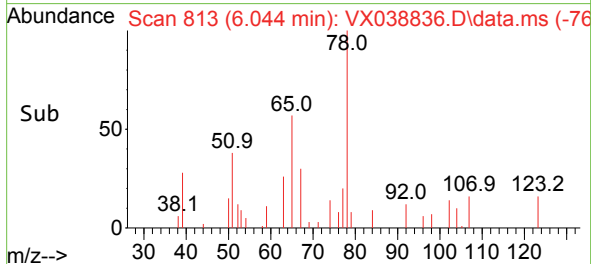
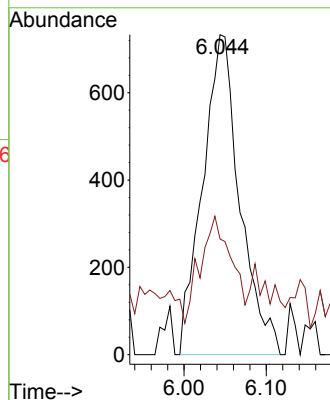
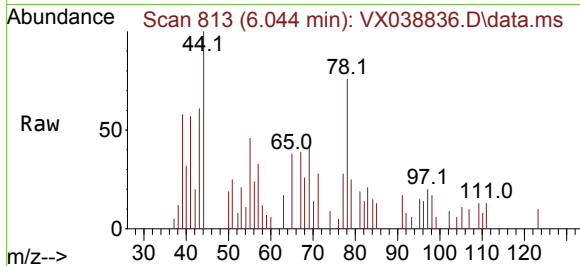
IBLK

Tgt Ion: 78 Resp: 2307

Ion Ratio Lower Upper

78 100

77 19.5 19.3 28.9



#42

1,2-Dichloroethane

Concen: 0.257 ug/l

RT: 6.105 min Scan# 823

Delta R.T. 0.018 min

Lab File: VX038836.D

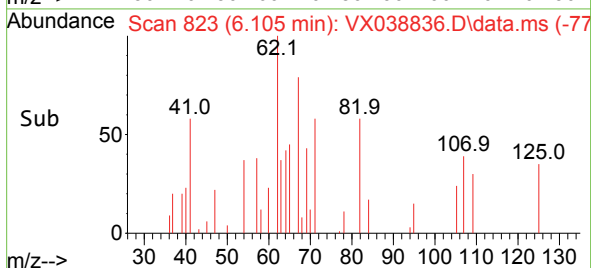
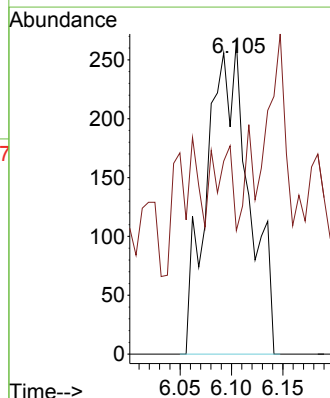
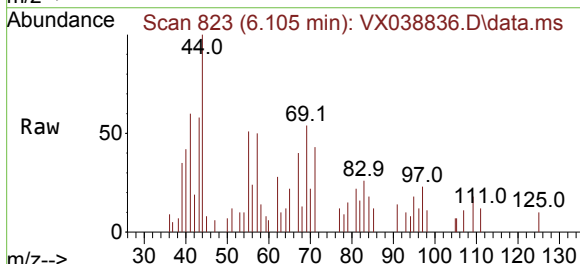
Acq: 16 Nov 2023 12:29

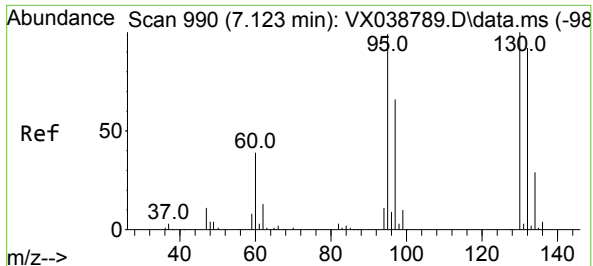
Tgt Ion: 62 Resp: 747

Ion Ratio Lower Upper

62 100

98 15.3 0.0 16.0

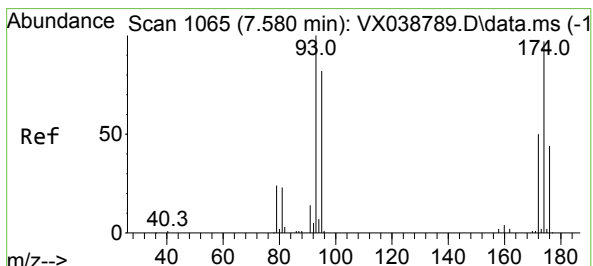
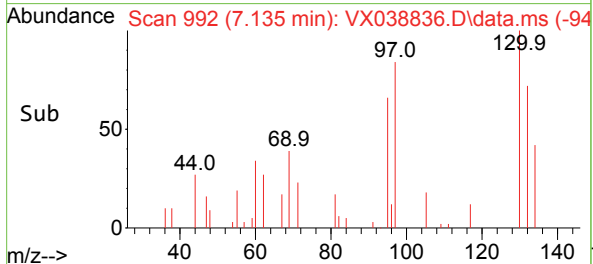
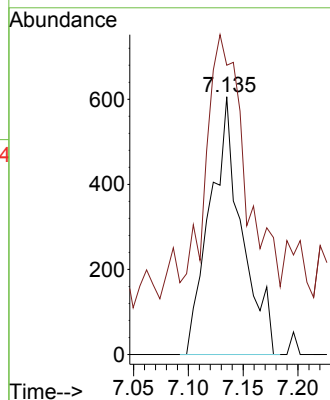
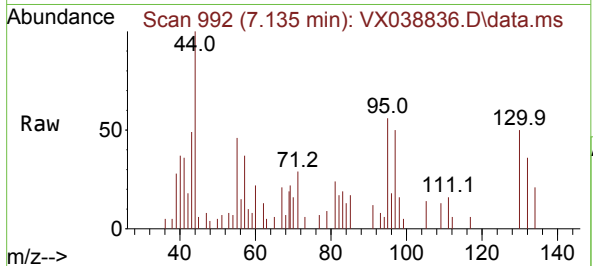




#44
Trichloroethene
Concen: 0.570 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

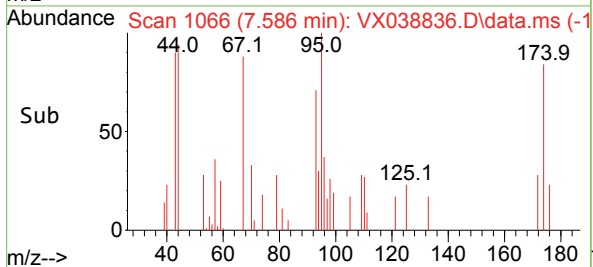
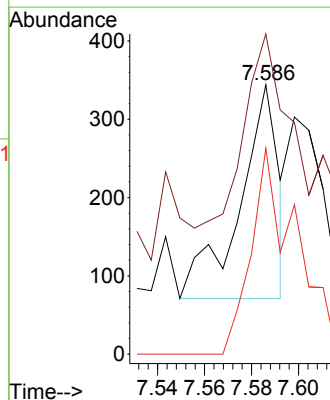
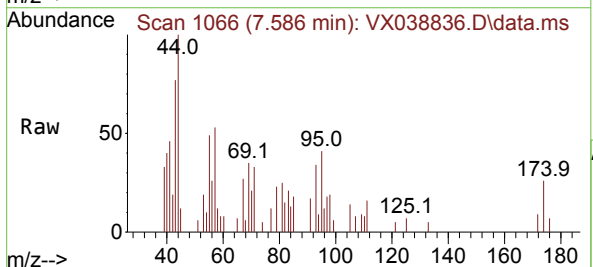
Instrument :
MSVOA_X
ClientSampleId :
IBLK

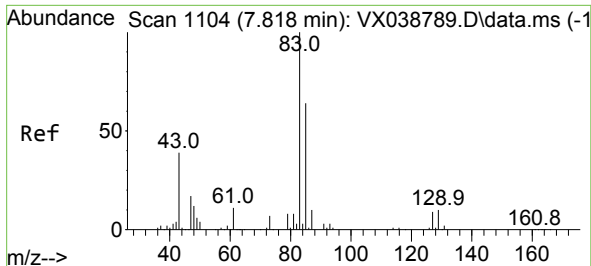
Tgt Ion:130 Resp: 1216
Ion Ratio Lower Upper
130 100
95 85.8 0.0 204.4



#46
Dibromomethane
Concen: 0.200 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

Tgt Ion: 93 Resp: 315
Ion Ratio Lower Upper
93 100
95 144.1 66.6 100.0#
174 108.9 69.4 104.0#

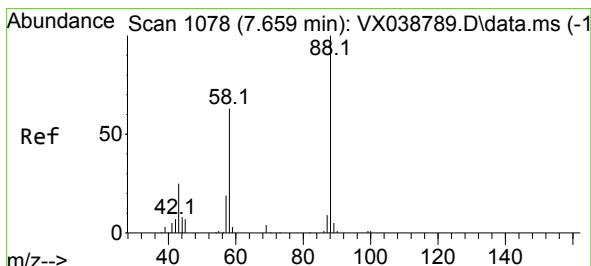
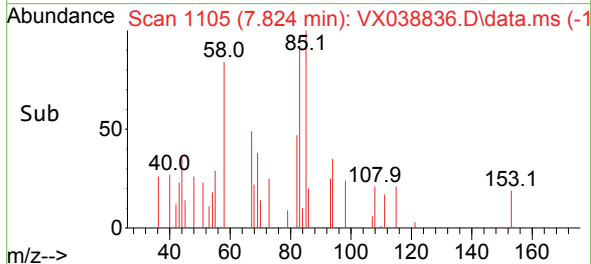
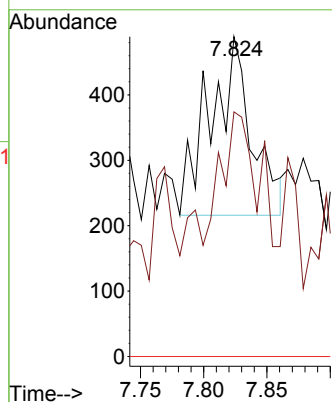
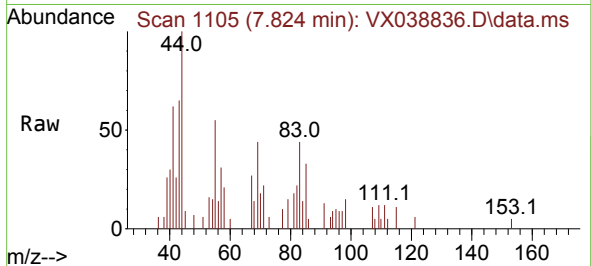




#47
Bromodichloromethane
Concen: 0.201 ug/l
RT: 7.824 min Scan# 1104
Delta R.T. 0.006 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

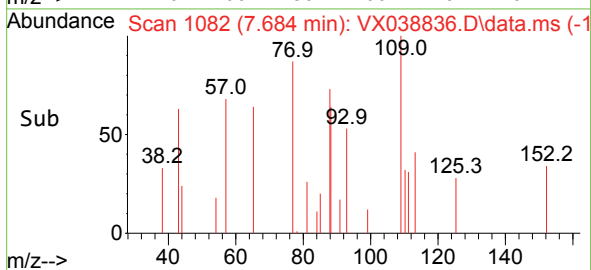
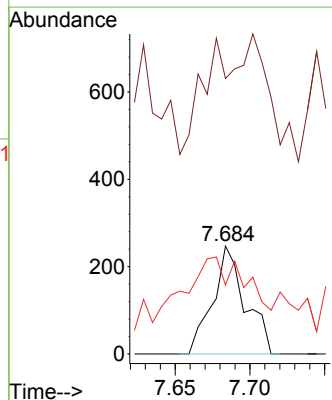
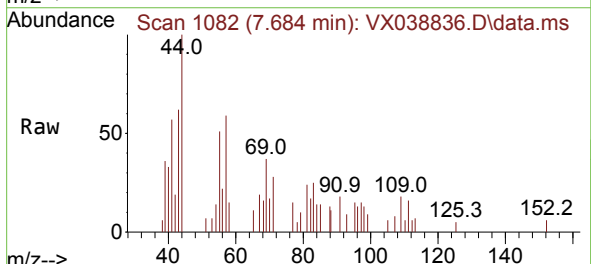
Instrument :
MSVOA_X
ClientSampleId :
IBLK

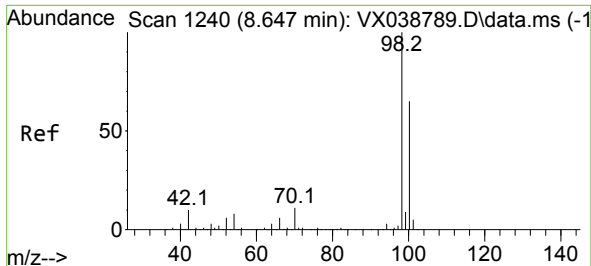
Tgt Ion: 83 Resp: 626
Ion Ratio Lower Upper
83 100
85 80.6 49.8 74.6#
127 0.0 7.1 10.7#



#49
1,4-Dioxane
Concen: 6.463 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.025 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

Tgt Ion: 88 Resp: 374
Ion Ratio Lower Upper
88 100
43 78.9 0.0 0.0#
58 122.7 60.1 90.1#

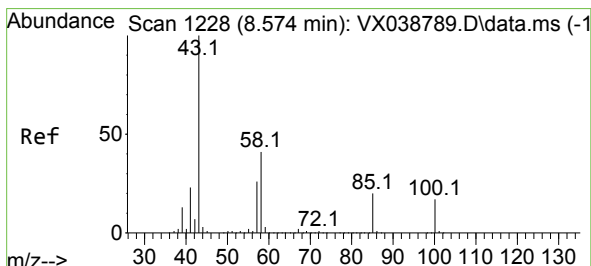
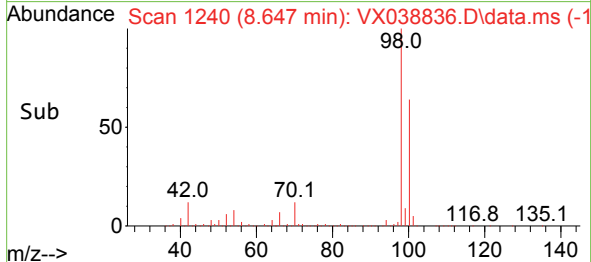
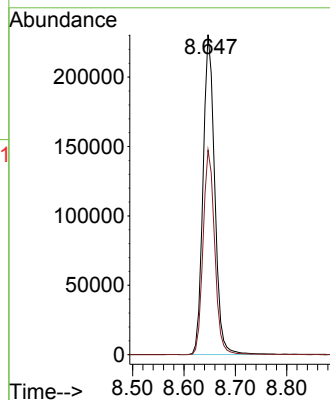
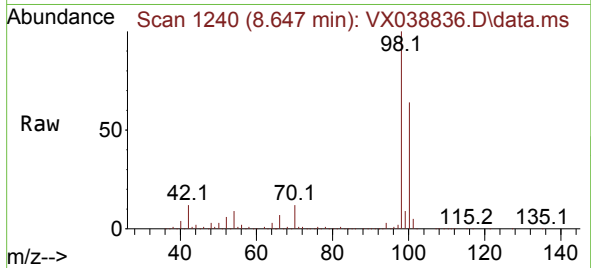




#50
Toluene-d8
Concen: 45.825 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

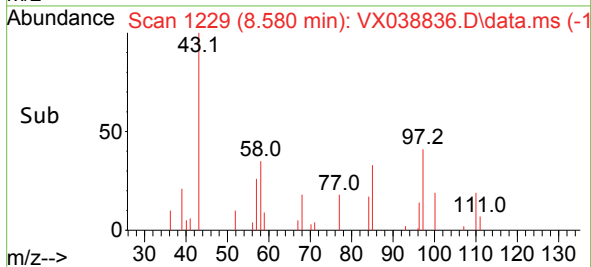
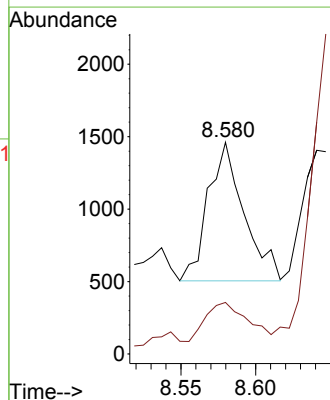
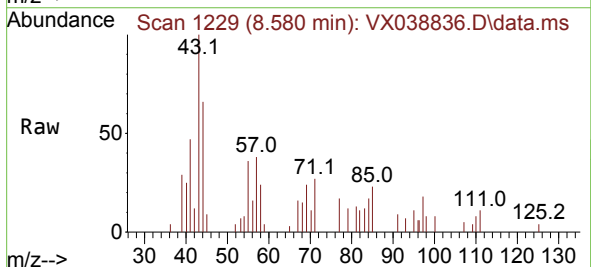
Instrument :
MSVOA_X
ClientSampleId :
IBLK

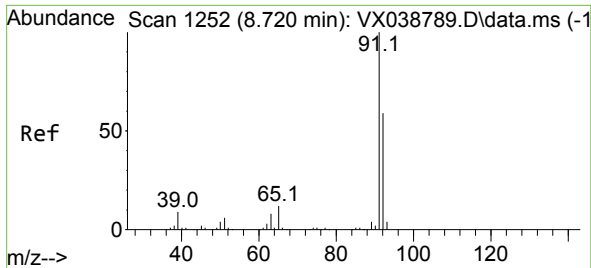
Tgt Ion: 98 Resp: 362195
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.405 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

Tgt Ion: 43 Resp: 1596
Ion Ratio Lower Upper
43 100
58 33.1 30.4 45.6

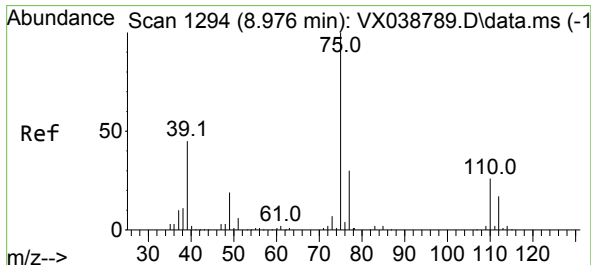
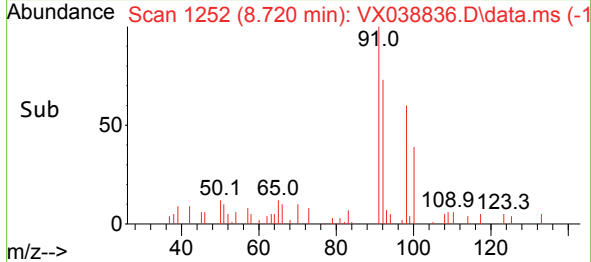
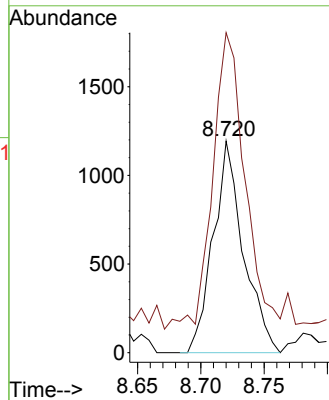
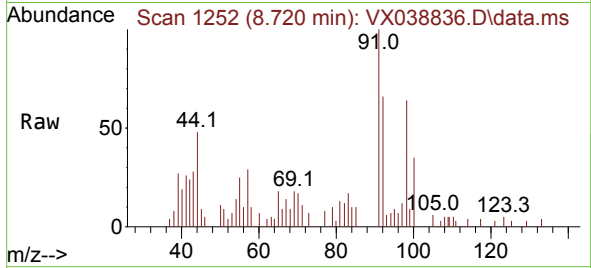




#52
Toluene
Concen: 0.365 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

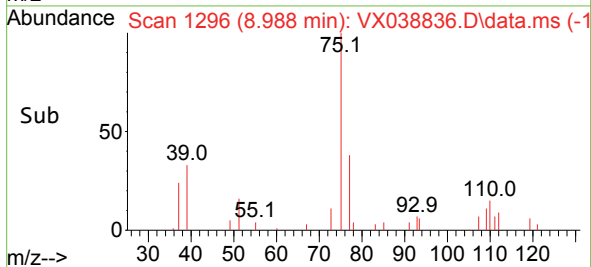
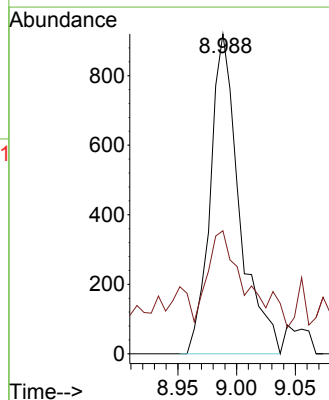
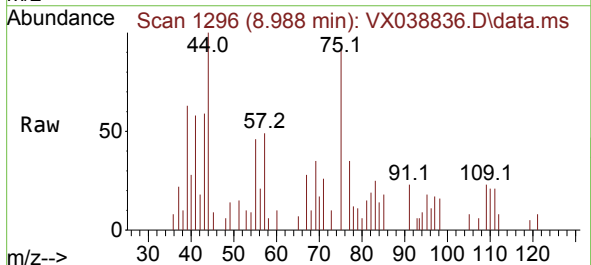
Instrument :
MSVOA_X
ClientSampleId :
IBLK

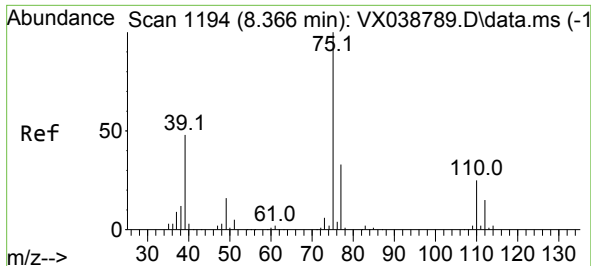
Tgt Ion: 92 Resp: 1982
Ion Ratio Lower Upper
92 100
91 136.7 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 0.428 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.012 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

Tgt Ion: 75 Resp: 1585
Ion Ratio Lower Upper
75 100
77 22.7 25.7 38.5#

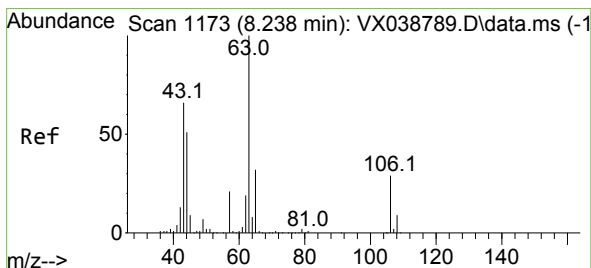
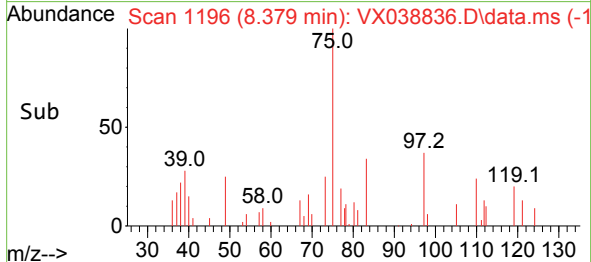
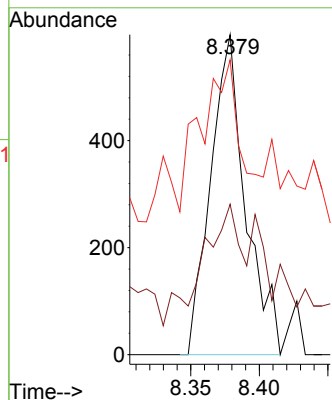
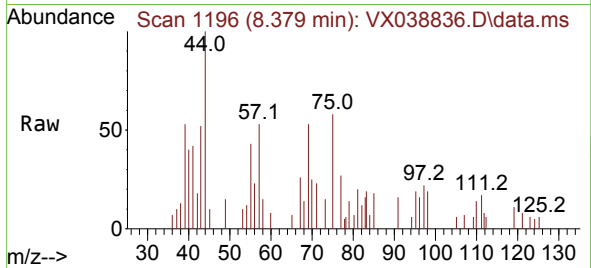




#54
cis-1,3-Dichloropropene
Concen: 0.277 ug/l
RT: 8.379 min Scan# 1196
Delta R.T. 0.012 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

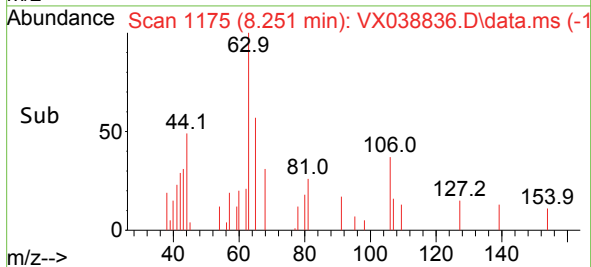
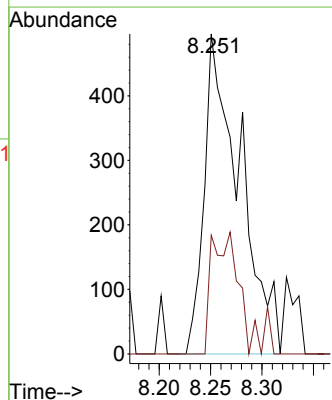
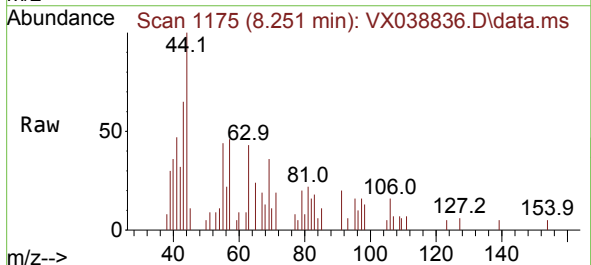
Instrument :
MSVOA_X
ClientSampleId :
IBLK

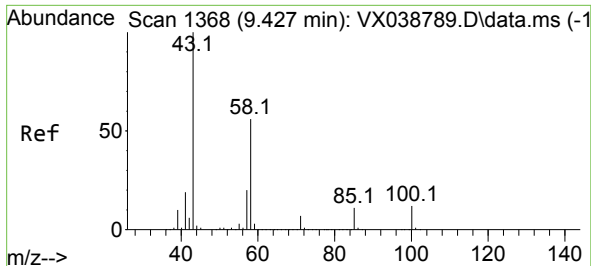
Tgt Ion: 75 Resp: 1059
Ion Ratio Lower Upper
75 100
77 29.3 25.3 37.9
39 47.5 46.7 70.1



#58
2-Chloroethyl Vinyl ether
Concen: 0.671 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.012 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

Tgt Ion: 63 Resp: 1199
Ion Ratio Lower Upper
63 100
106 28.9 22.5 33.7





#59

2-Hexanone

Concen: 0.557 ug/l

RT: 9.445 min Scan# 11

Delta R.T. 0.018 min

Lab File: VX038836.D

Acq: 16 Nov 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

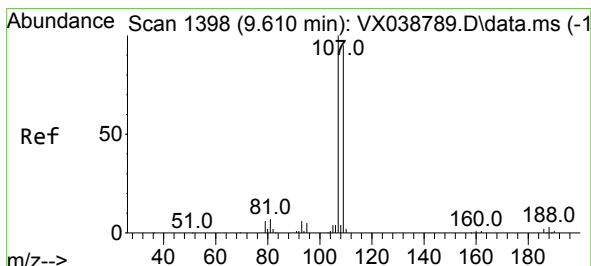
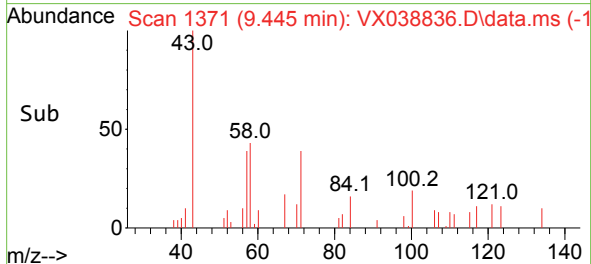
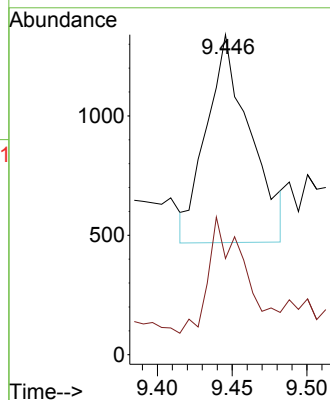
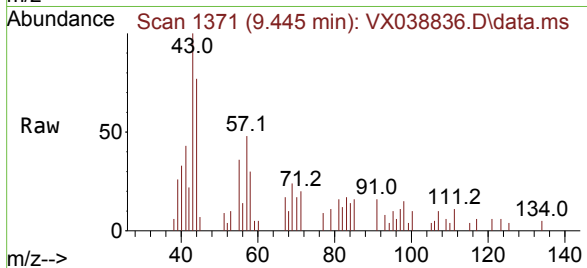
IBLK

Tgt Ion: 43 Resp: 1759

Ion Ratio Lower Upper

43 100

58 46.9 26.2 78.5



#61

1,2-Dibromoethane

Concen: 0.378 ug/l

RT: 9.622 min Scan# 1400

Delta R.T. 0.012 min

Lab File: VX038836.D

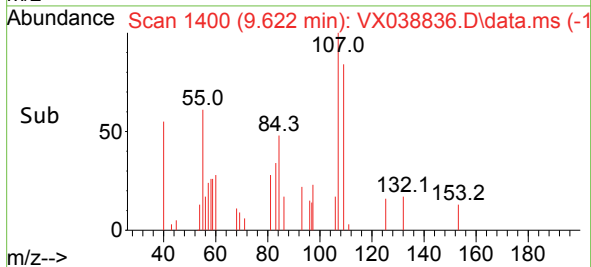
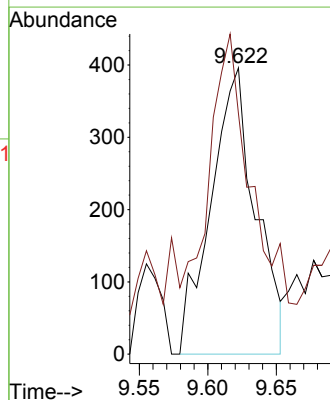
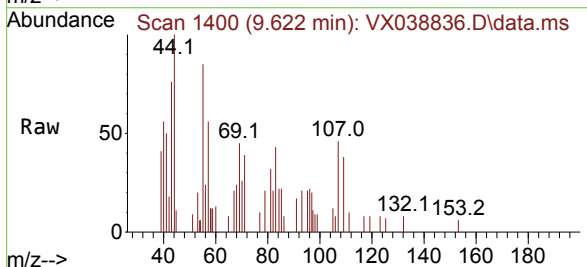
Acq: 16 Nov 2023 12:29

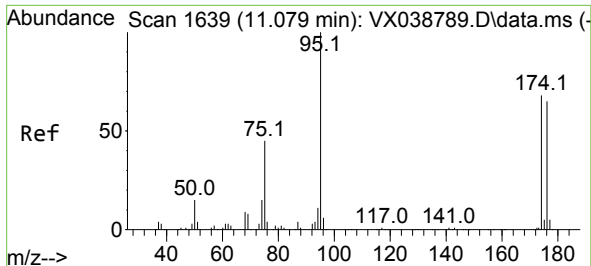
Tgt Ion: 107 Resp: 900

Ion Ratio Lower Upper

107 100

109 78.0 75.2 112.8

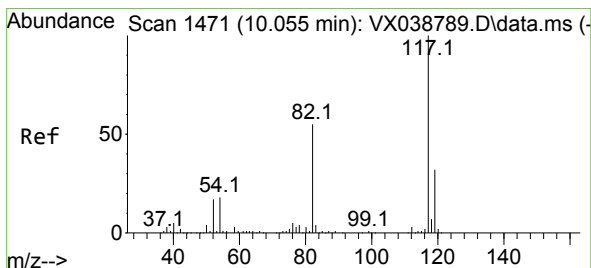
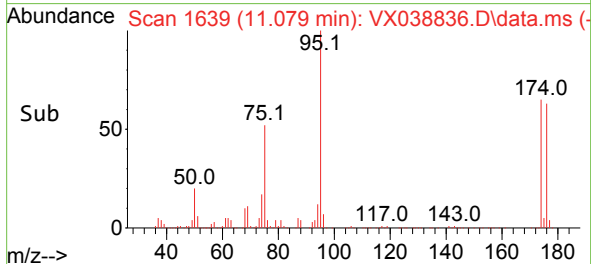
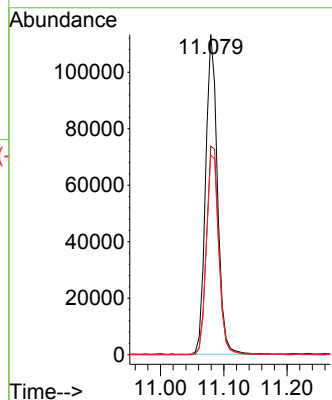
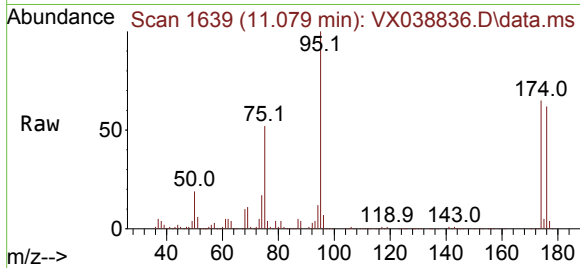




#62
4-Bromofluorobenzene
Concen: 46.671 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

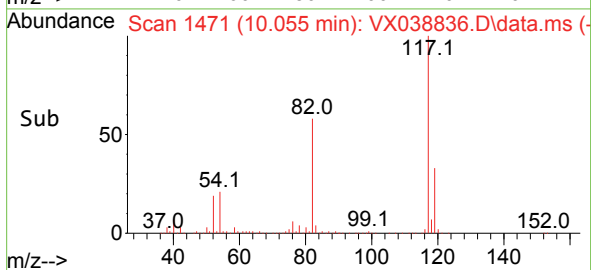
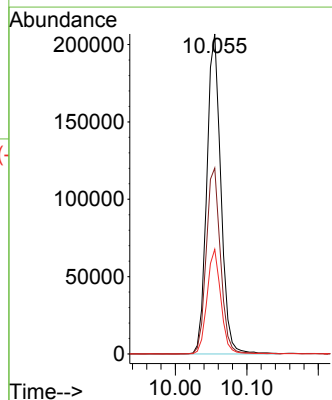
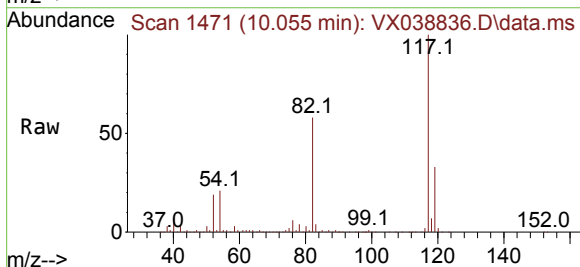
Instrument :
MSVOA_X
ClientSampleId :
IBLK

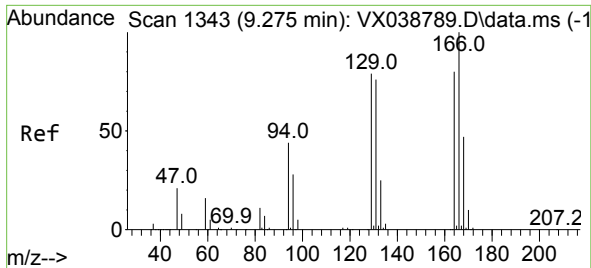
Tgt Ion: 95 Resp: 147666
Ion Ratio Lower Upper
95 100
174 68.0 0.0 135.6
176 65.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

Tgt Ion: 117 Resp: 282361
Ion Ratio Lower Upper
117 100
82 58.0 46.2 69.4
119 32.7 25.5 38.3



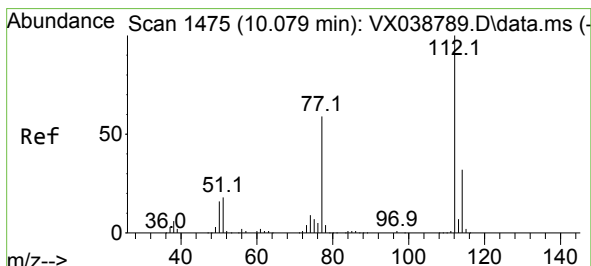
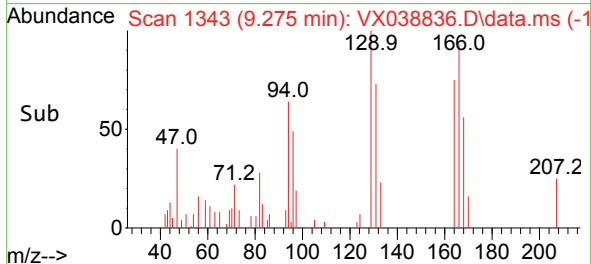
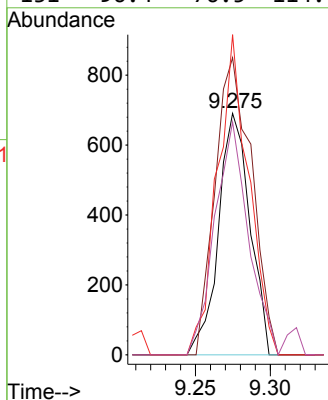
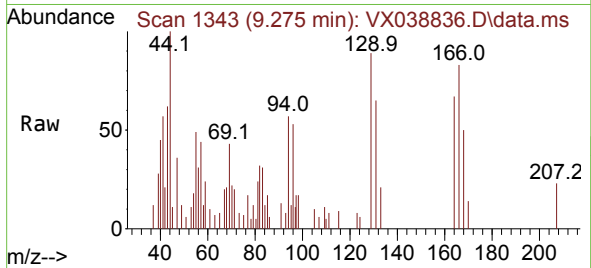


#64
Tetrachloroethene
Concen: 0.574 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:164 Resp: 1007

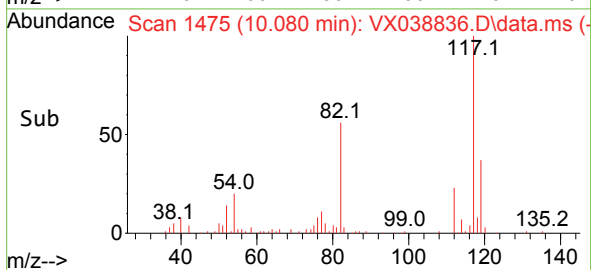
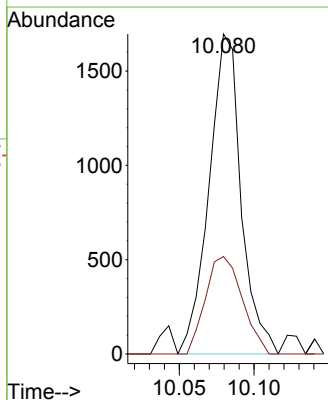
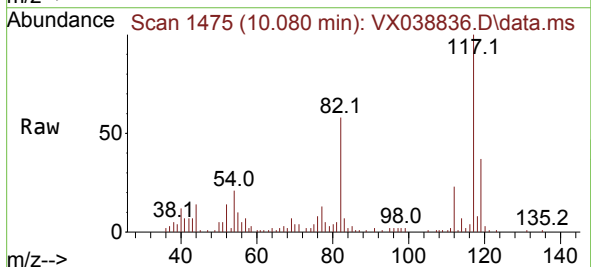
Ion	Ratio	Lower	Upper
164	100		
166	123.0	102.7	154.1
129	132.6	80.4	120.6
131	96.4	76.5	114.7

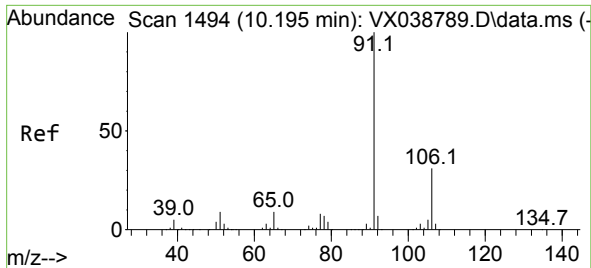


#65
Chlorobenzene
Concen: 0.416 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

Tgt Ion:112 Resp: 2528

Ion	Ratio	Lower	Upper
112	100		
114	30.5	25.7	38.5

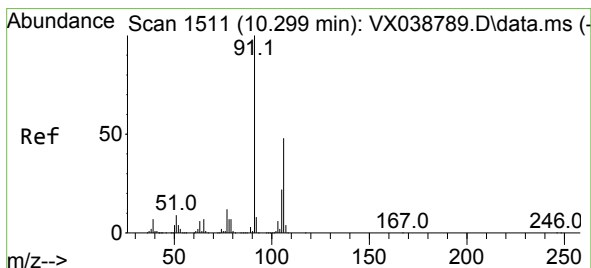
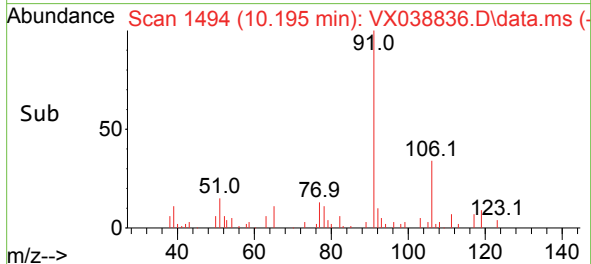
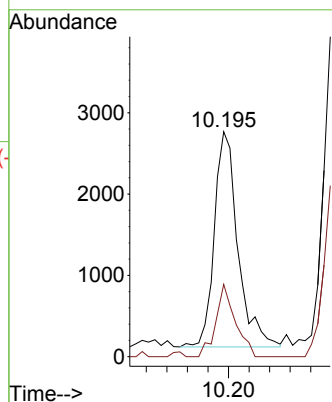
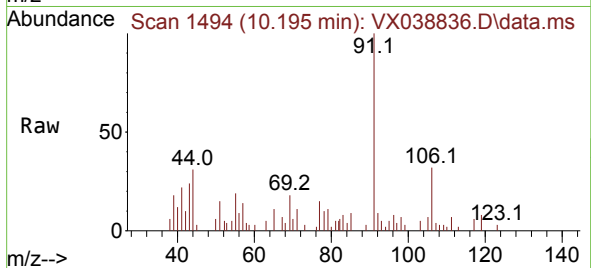




#67
Ethyl Benzene
Concen: 0.377 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

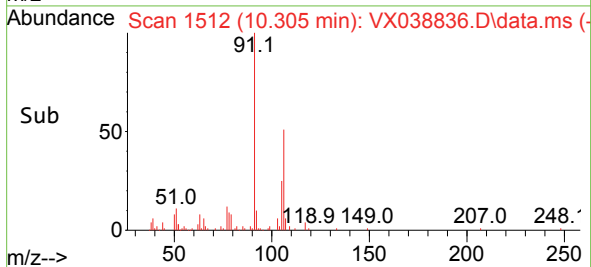
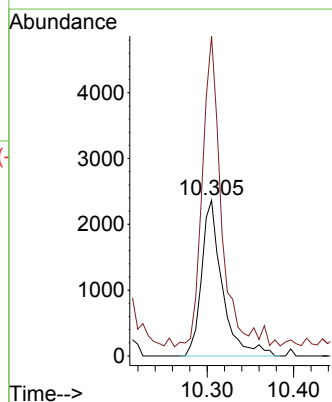
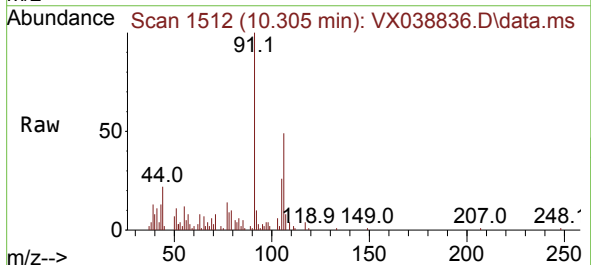
Instrument :
MSVOA_X
ClientSampleId :
IBLK

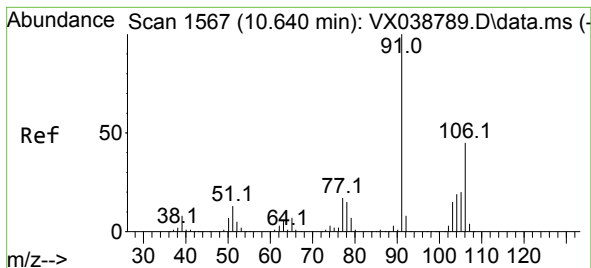
Tgt Ion: 91 Resp: 4212
Ion Ratio Lower Upper
91 100
106 33.6 24.9 37.3



#68
m/p-Xylenes
Concen: 0.926 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX038836.D
Acq: 16 Nov 2023 12:29

Tgt Ion: 106 Resp: 3916
Ion Ratio Lower Upper
106 100
91 177.8 165.5 248.3





#69

o-Xylene

Concen: 0.332 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX038836.D

Acq: 16 Nov 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

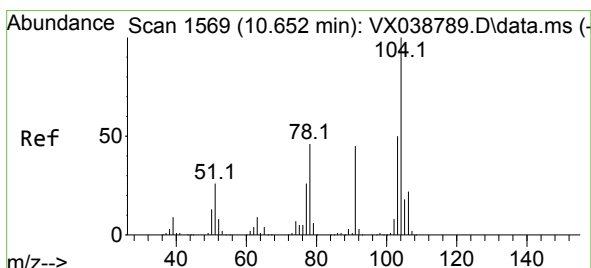
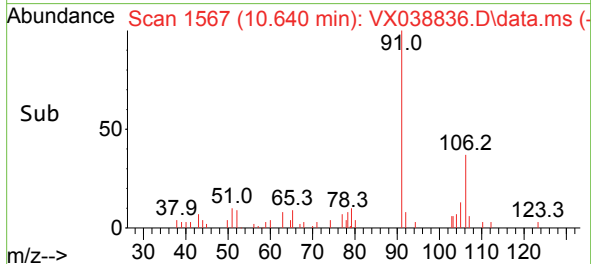
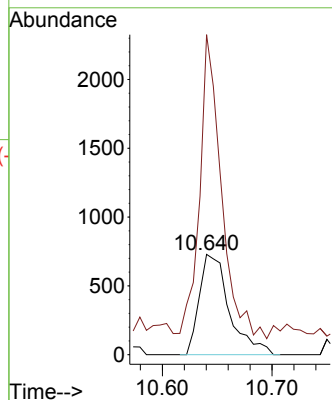
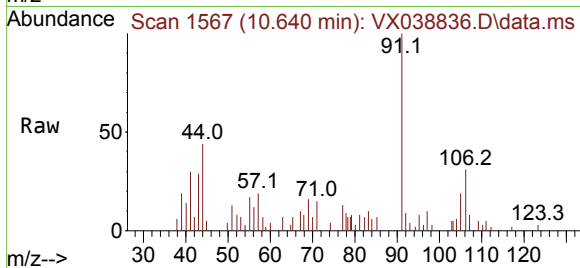
IBLK

Tgt Ion:106 Resp: 1389

Ion Ratio Lower Upper

106 100

91 220.6 108.9 326.8



#70

Styrene

Concen: 0.382 ug/l

RT: 10.659 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX038836.D

Acq: 16 Nov 2023 12:29

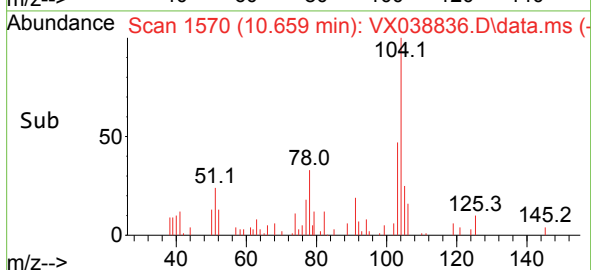
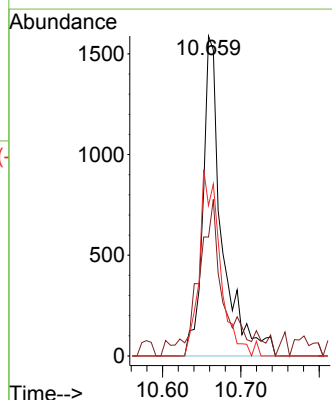
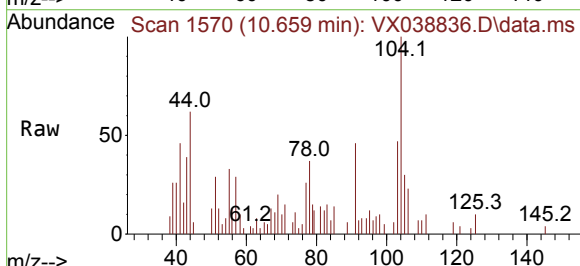
Tgt Ion:104 Resp: 2697

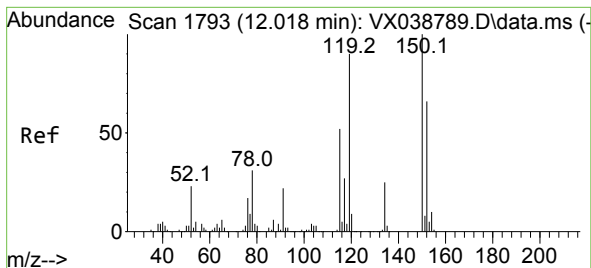
Ion Ratio Lower Upper

104 100

78 62.6 43.6 65.4

103 62.4 43.6 65.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX038836.D

Acq: 16 Nov 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

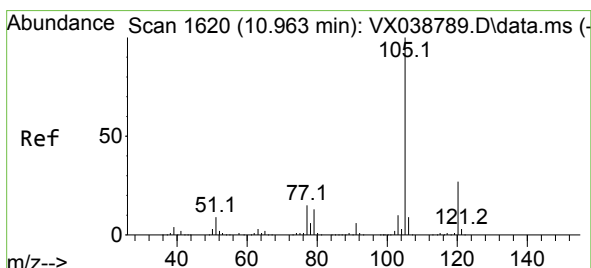
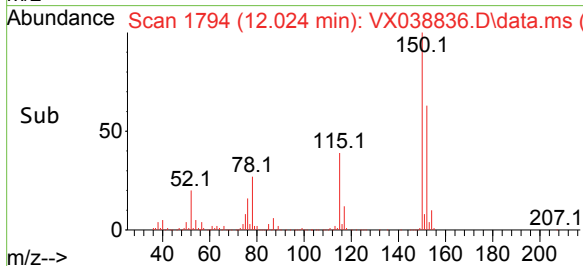
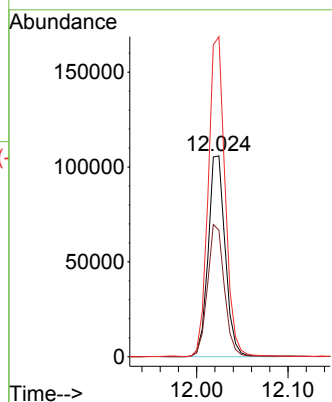
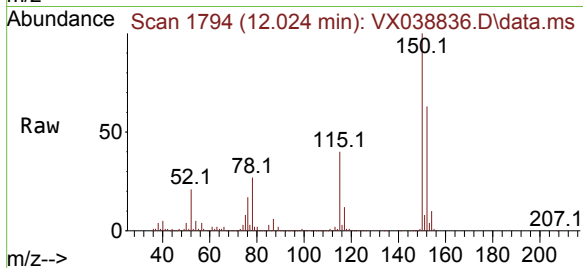
Tgt Ion:152 Resp: 137299

Ion Ratio Lower Upper

152 100

115 65.2 43.3 129.9

150 157.8 0.0 345.0



#73

Isopropylbenzene

Concen: 0.363 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX038836.D

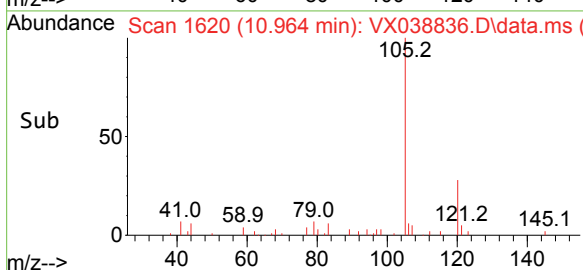
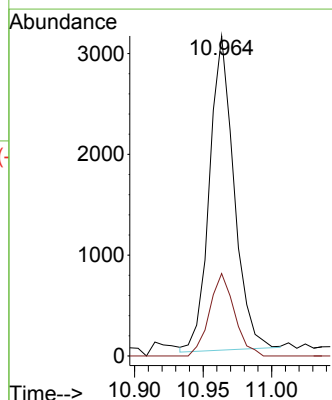
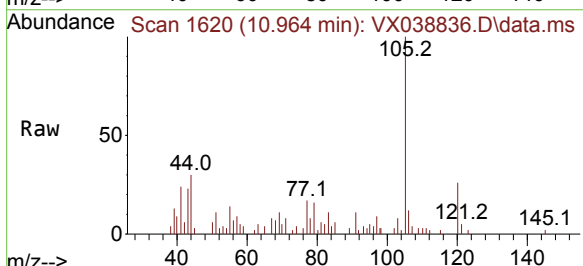
Acq: 16 Nov 2023 12:29

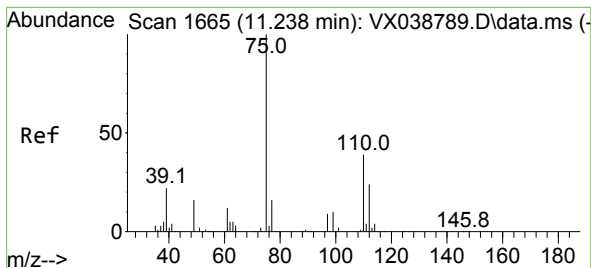
Tgt Ion:105 Resp: 3880

Ion Ratio Lower Upper

105 100

120 26.6 12.9 38.6





#76

1,2,3-Trichloropropane

Concen: 22.770 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX038836.D

Acq: 16 Nov 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

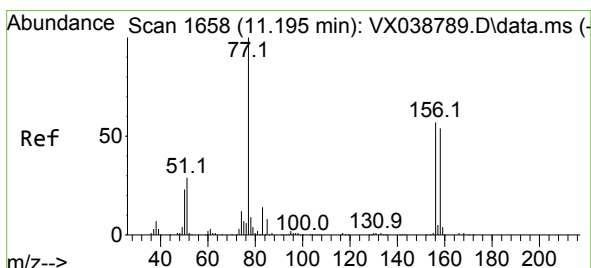
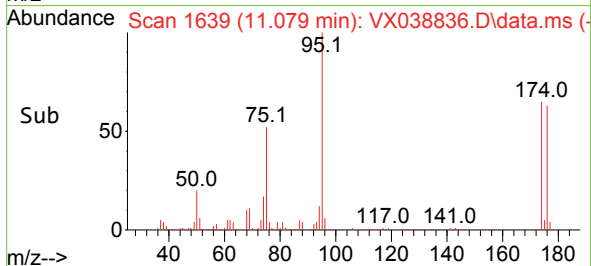
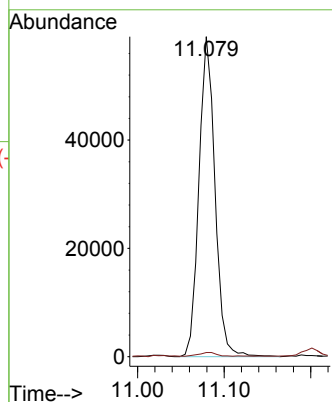
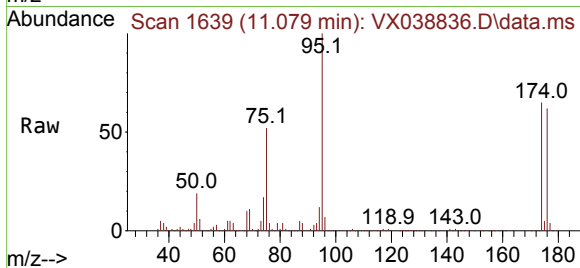
IBLK

Tgt Ion: 75 Resp: 75970

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#77

Bromobenzene

Concen: 0.416 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.006 min

Lab File: VX038836.D

Acq: 16 Nov 2023 12:29

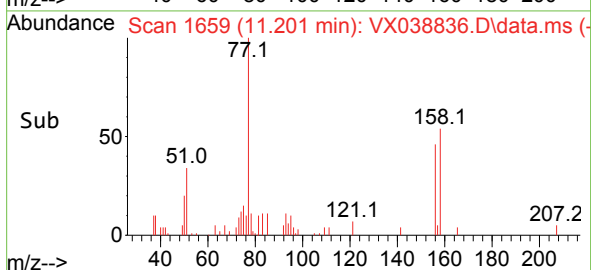
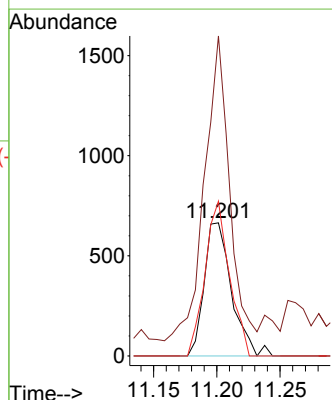
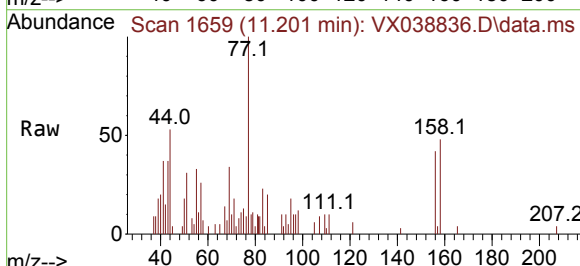
Tgt Ion: 156 Resp: 1001

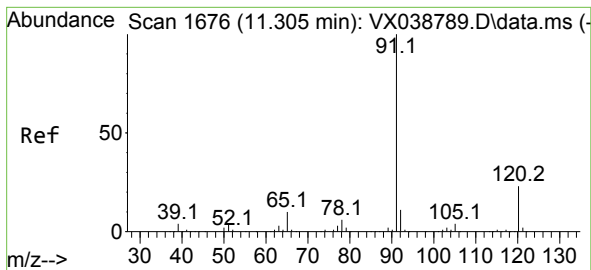
Ion Ratio Lower Upper

156 100

77 208.4 88.4 265.3

158 103.9 48.0 144.0





#78

n-propylbenzene

Concen: 0.536 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX038836.D

Acq: 16 Nov 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

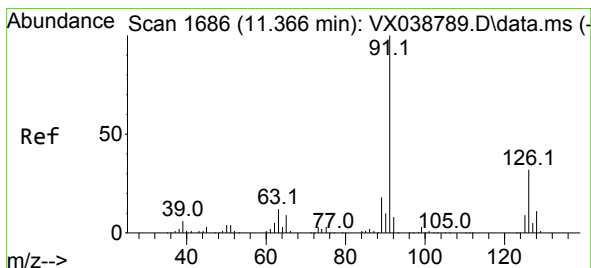
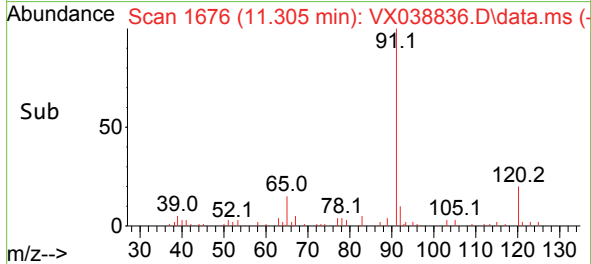
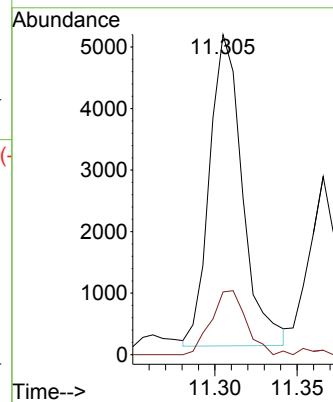
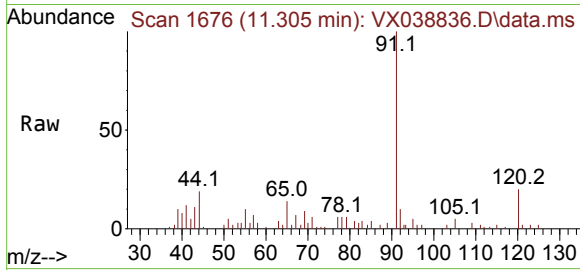
IBLK

Tgt Ion: 91 Resp: 7055

Ion Ratio Lower Upper

91 100

120 21.8 11.5 34.4



#79

2-Chlorotoluene

Concen: 0.447 ug/l

RT: 11.366 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VX038836.D

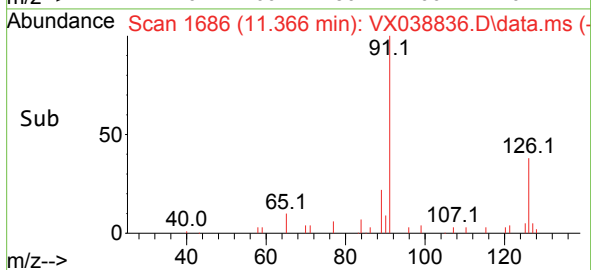
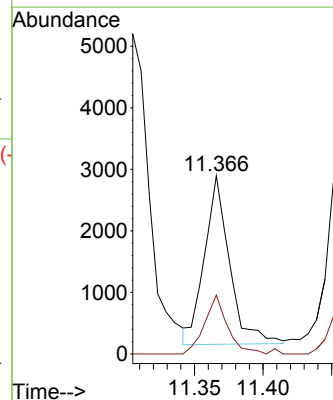
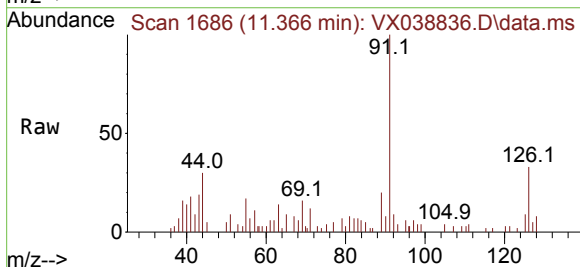
Acq: 16 Nov 2023 12:29

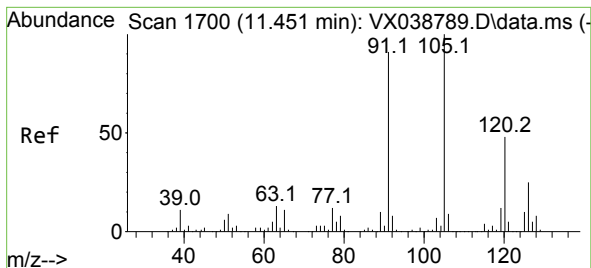
Tgt Ion: 91 Resp: 3493

Ion Ratio Lower Upper

91 100

126 31.7 16.3 48.8





#80

1,3,5-Trimethylbenzene

Concen: 0.463 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX038836.D

Acq: 16 Nov 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

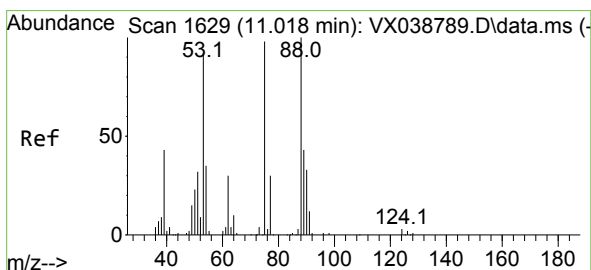
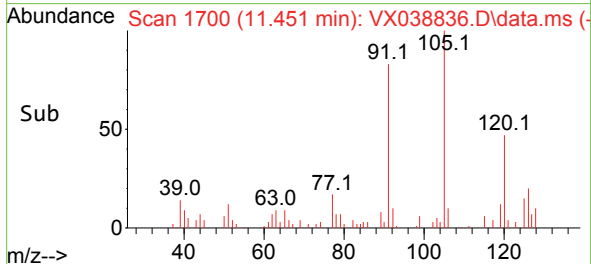
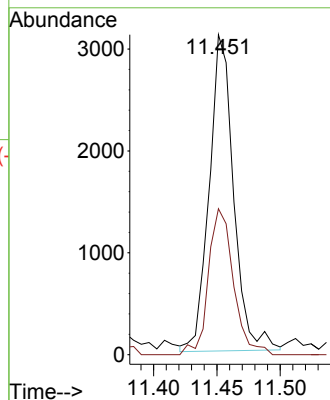
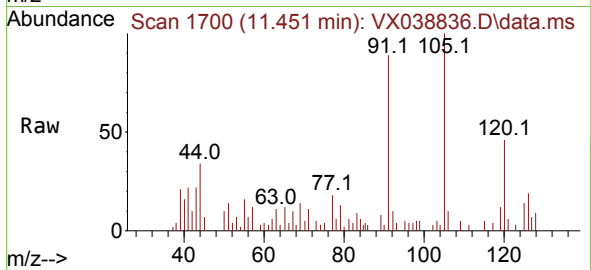
IBLK

Tgt Ion:105 Resp: 4167

Ion Ratio Lower Upper

105 100

120 47.3 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 49.191 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038836.D

Acq: 16 Nov 2023 12:29

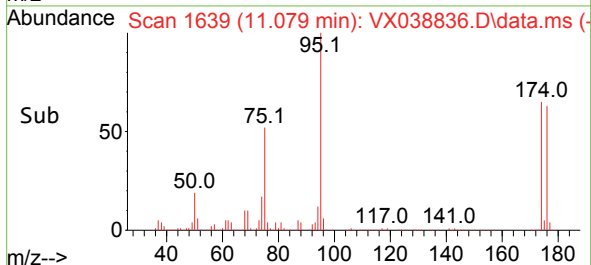
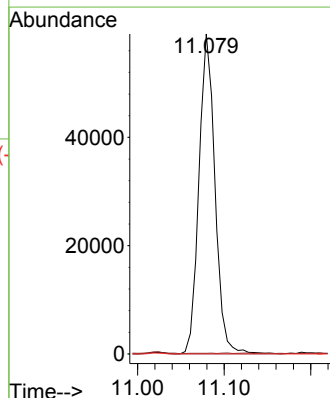
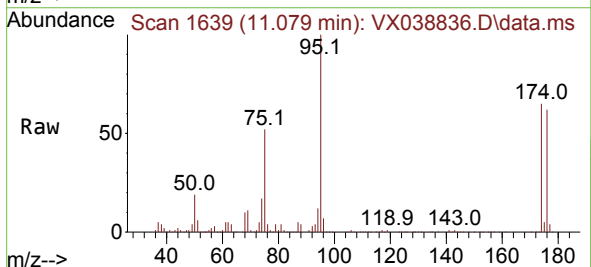
Tgt Ion: 75 Resp: 75970

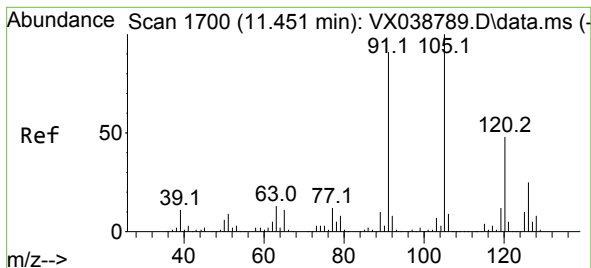
Ion Ratio Lower Upper

75 100

53 0.2 90.5 135.7#

89 0.0 36.9 55.3#





#82

4-Chlorotoluene

Concen: 0.599 ug/l

RT: 11.457 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX038836.D

Acq: 16 Nov 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

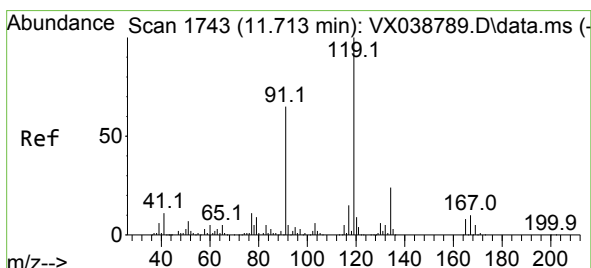
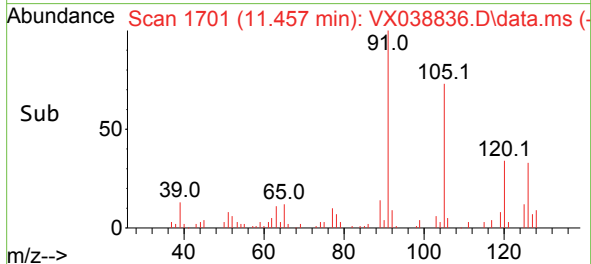
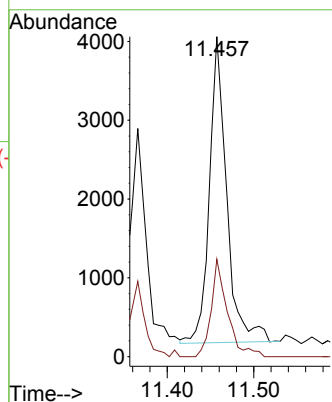
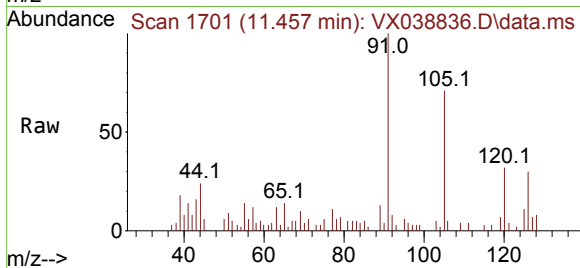
IBLK

Tgt Ion: 91 Resp: 5393

Ion Ratio Lower Upper

91 100

126 29.9 14.2 42.6



#83

tert-Butylbenzene

Concen: 0.364 ug/l

RT: 11.719 min Scan# 1744

Delta R.T. 0.006 min

Lab File: VX038836.D

Acq: 16 Nov 2023 12:29

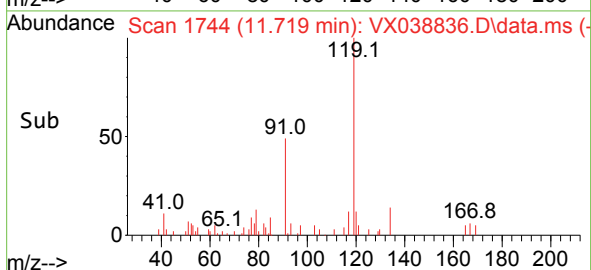
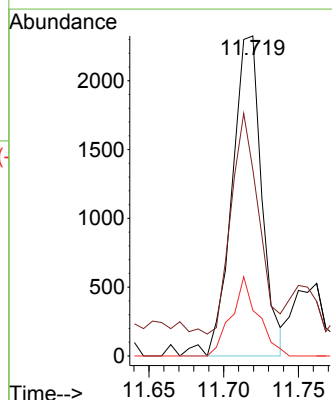
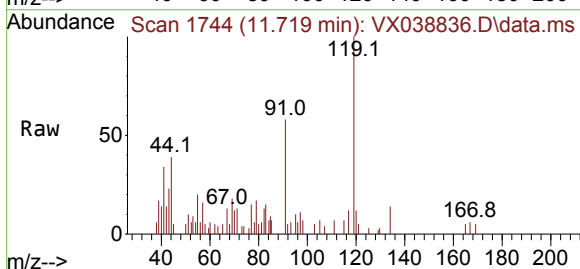
Tgt Ion: 119 Resp: 3225

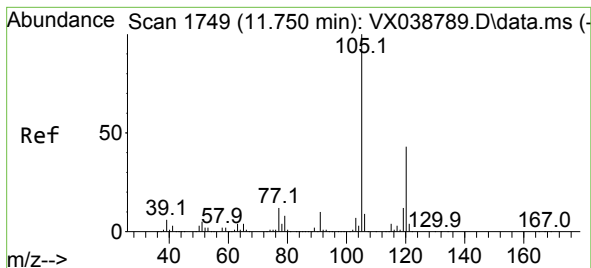
Ion Ratio Lower Upper

119 100

91 63.7 31.2 93.6

134 22.0 11.7 35.0





#84

1,2,4-Trimethylbenzene

Concen: 0.461 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX038836.D

Acq: 16 Nov 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

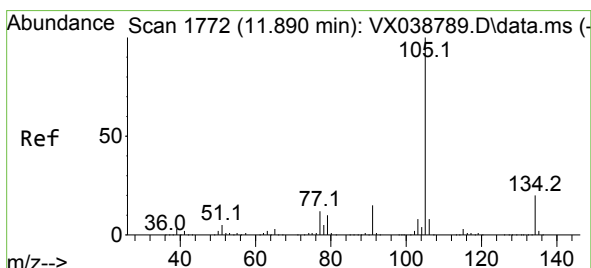
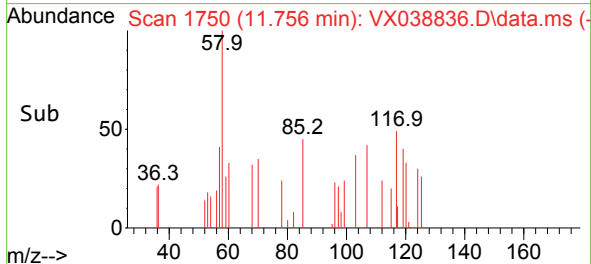
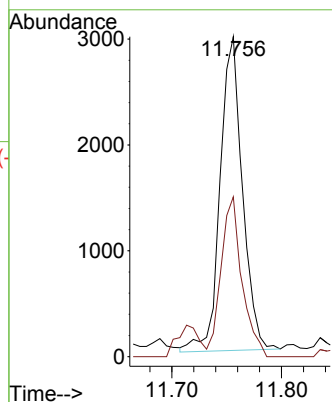
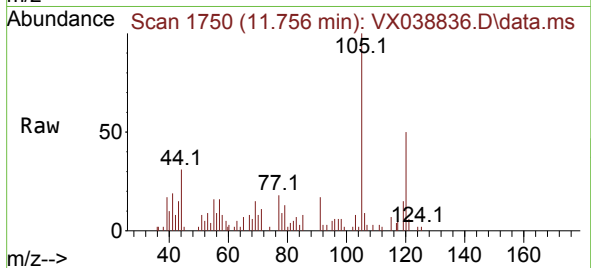
IBLK

Tgt Ion:105 Resp: 4201

Ion Ratio Lower Upper

105 100

120 47.4 21.2 63.6



#85

sec-Butylbenzene

Concen: 0.519 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX038836.D

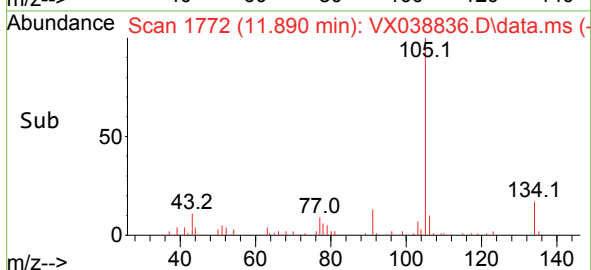
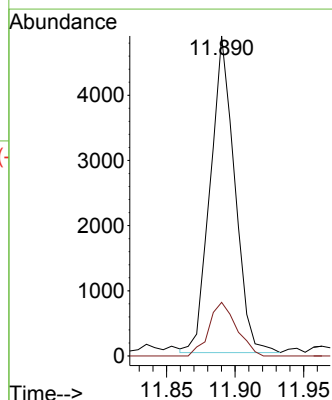
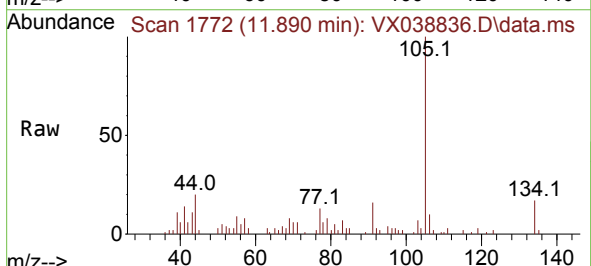
Acq: 16 Nov 2023 12:29

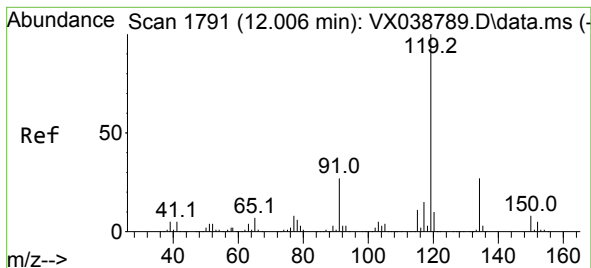
Tgt Ion:105 Resp: 6018

Ion Ratio Lower Upper

105 100

134 19.1 9.8 29.4





#86

p-Isopropyltoluene

Concen: 0.550 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX038836.D

Acq: 16 Nov 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

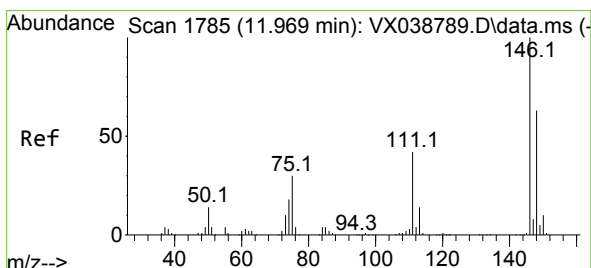
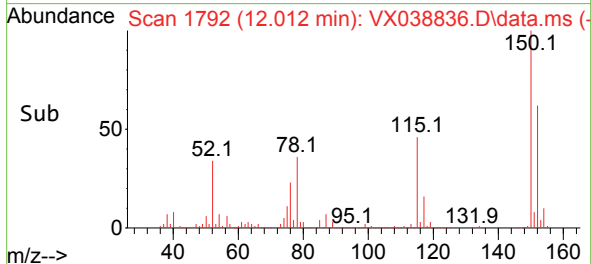
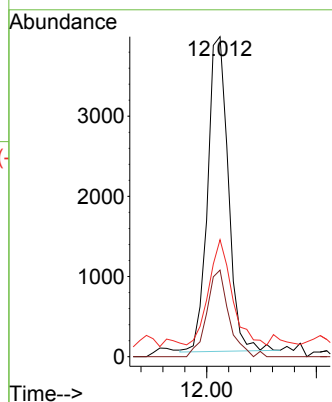
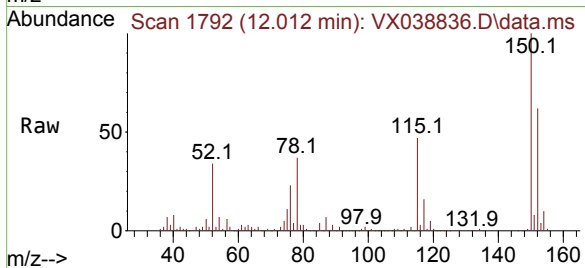
Tgt Ion:119 Resp: 5120

Ion Ratio Lower Upper

119 100

134 29.5 12.8 38.3

91 37.8 13.1 39.3



#87

1,3-Dichlorobenzene

Concen: 0.675 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX038836.D

Acq: 16 Nov 2023 12:29

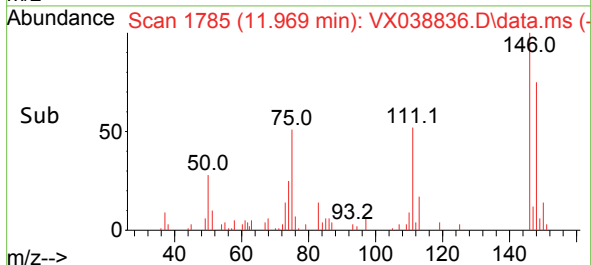
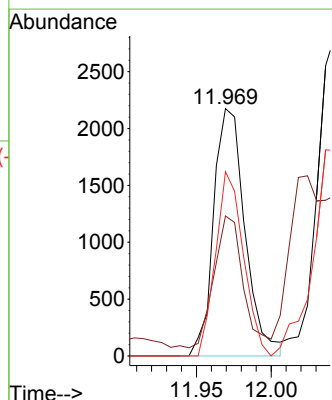
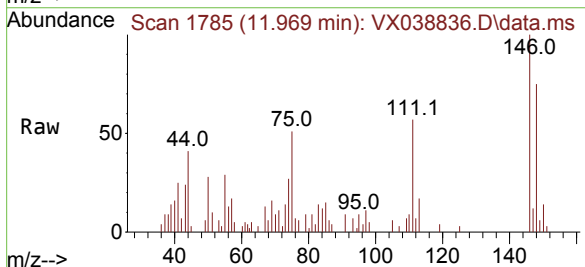
Tgt Ion:146 Resp: 3176

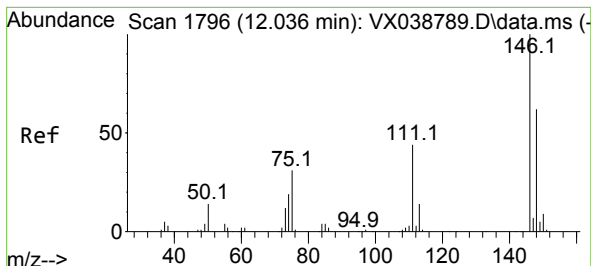
Ion Ratio Lower Upper

146 100

111 49.1 22.1 66.1

148 66.0 31.8 95.3





#88

1,4-Dichlorobenzene

Concen: 0.659 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.067 min

Lab File: VX038836.D

Acq: 16 Nov 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

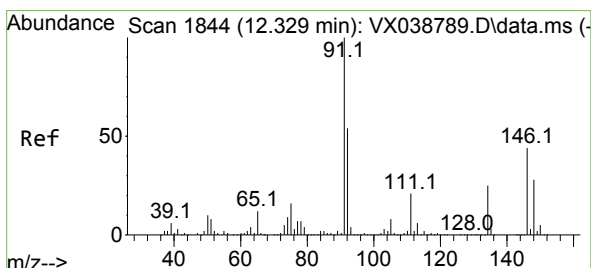
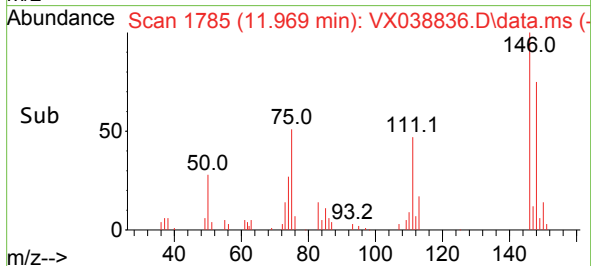
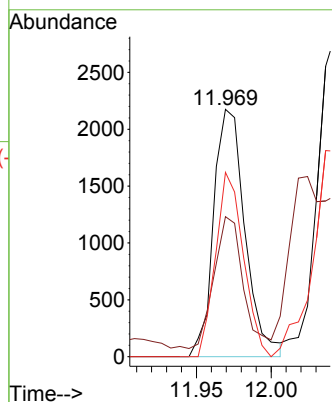
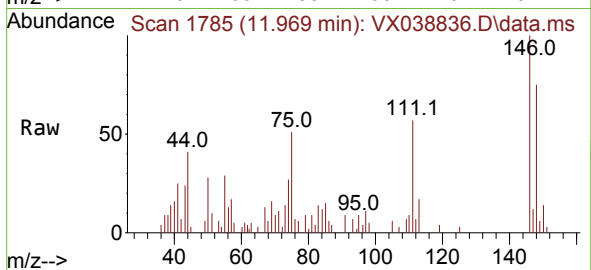
Tgt Ion:146 Resp: 3176

Ion Ratio Lower Upper

146 100

111 49.1 21.3 63.7

148 66.0 31.8 95.4



#89

n-Butylbenzene

Concen: 0.834 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX038836.D

Acq: 16 Nov 2023 12:29

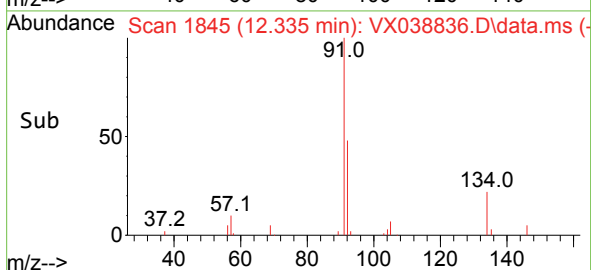
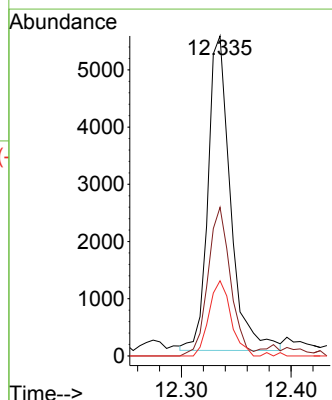
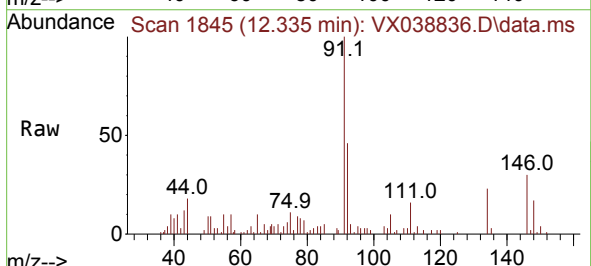
Tgt Ion: 91 Resp: 7829

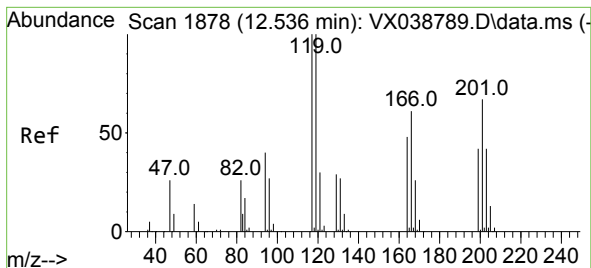
Ion Ratio Lower Upper

91 100

92 47.4 27.4 82.0

134 23.3 12.6 37.8





#90

Hexachloroethane

Concen: 0.390 ug/l

RT: 12.536 min Scan# 117

Delta R.T. 0.000 min

Lab File: VX038836.D

Acq: 16 Nov 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

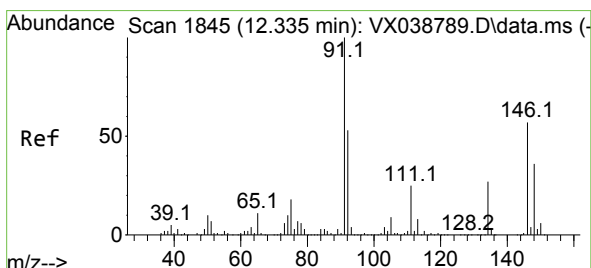
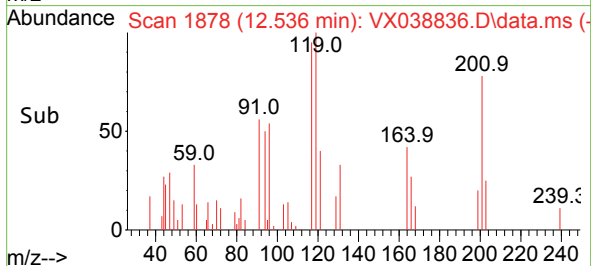
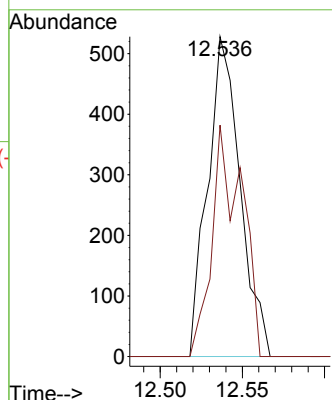
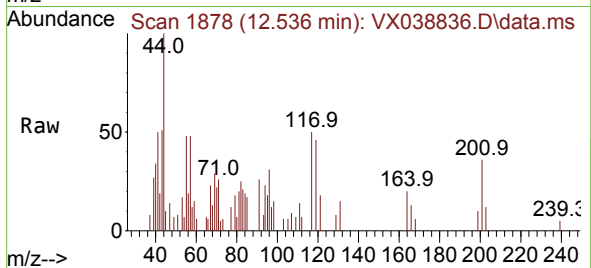
IBLK

Tgt Ion:117 Resp: 725

Ion Ratio Lower Upper

117 100

201 66.6 32.9 98.6



#91

1,2-Dichlorobenzene

Concen: 0.510 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX038836.D

Acq: 16 Nov 2023 12:29

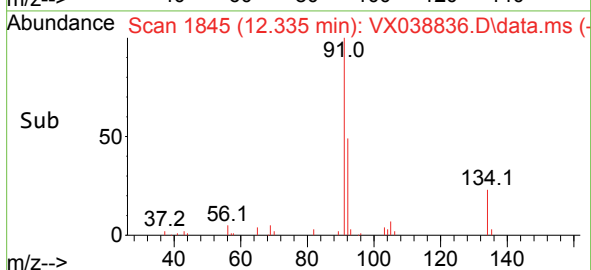
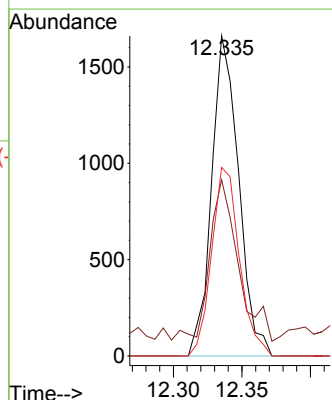
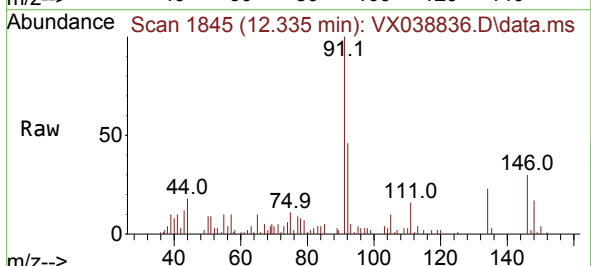
Tgt Ion:146 Resp: 2277

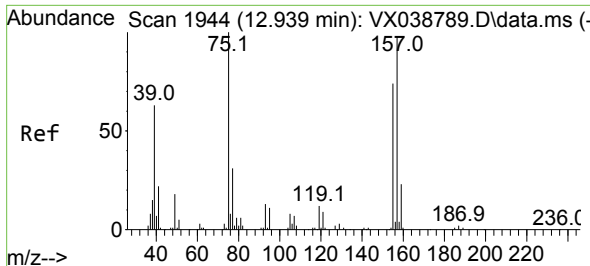
Ion Ratio Lower Upper

146 100

111 50.9 22.4 67.0

148 60.6 31.6 95.0

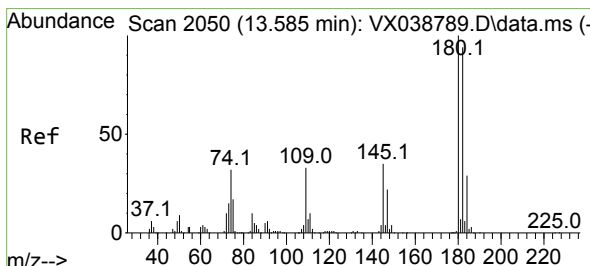
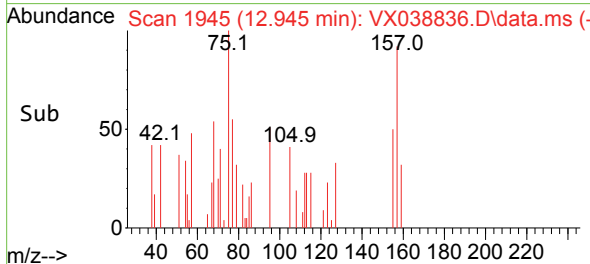
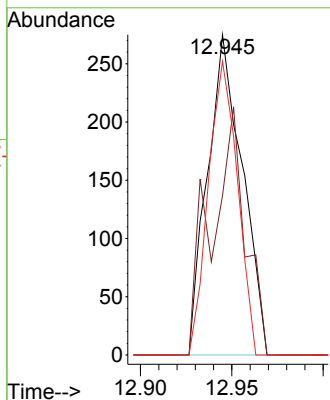
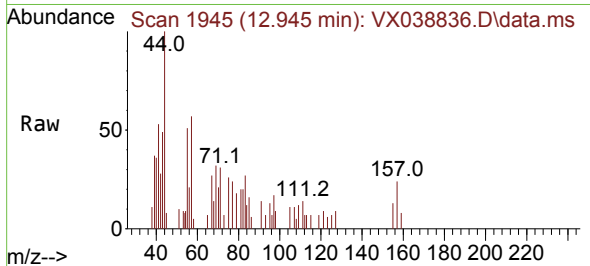




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.357 ug/l
 RT: 12.945 min Scan# 1945
 Delta R.T. 0.006 min
 Lab File: VX038836.D
 Acq: 16 Nov 2023 12:29

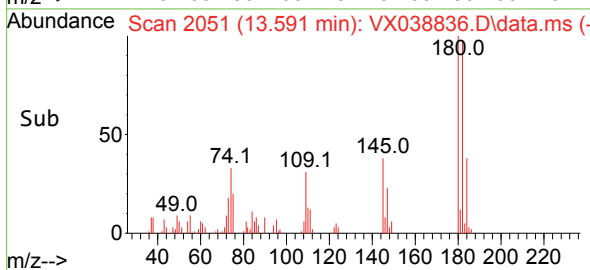
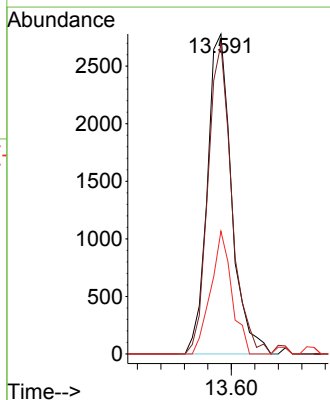
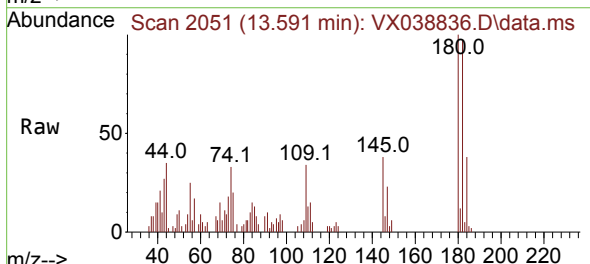
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

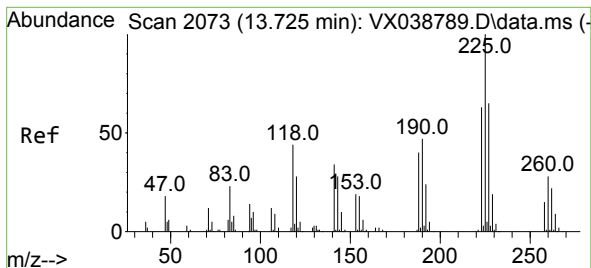
Tgt Ion:	75	Resp:	365
Ion	Ratio	Lower	Upper
75	100		
155	75.3	36.1	108.5
157	76.4	44.9	134.7



#93
 1,2,4-Trichlorobenzene
 Concen: 1.336 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.006 min
 Lab File: VX038836.D
 Acq: 16 Nov 2023 12:29

Tgt Ion:	180	Resp:	3998
Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.3	144.8
145	33.1	18.0	54.0





#94

Hexachlorobutadiene

Concen: 2.299 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX038836.D

Acq: 16 Nov 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

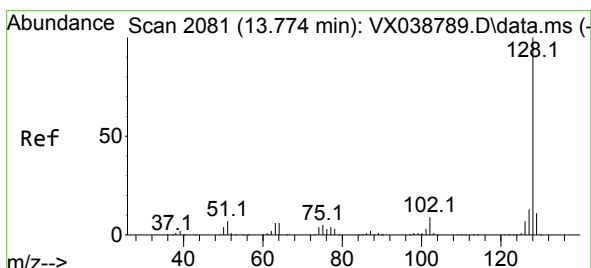
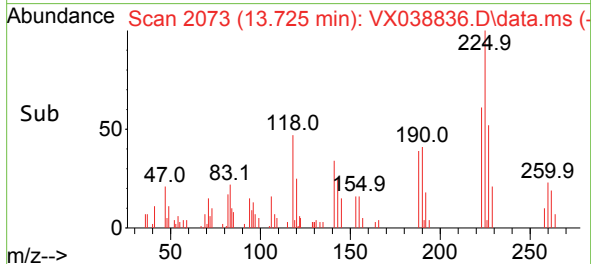
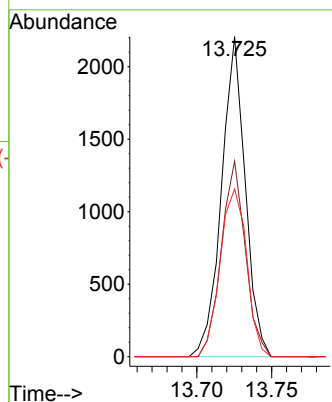
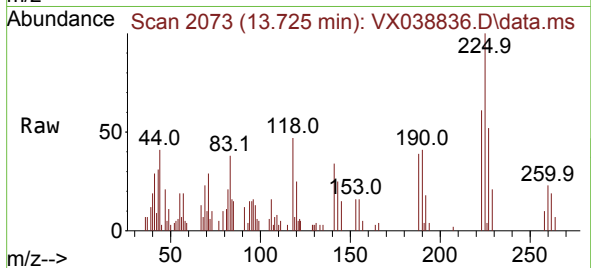
Tgt Ion:225 Resp: 2436

Ion Ratio Lower Upper

225 100

223 62.0 31.1 93.2

227 58.6 32.5 97.5



#95

Naphthalene

Concen: 1.280 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX038836.D

Acq: 16 Nov 2023 12:29

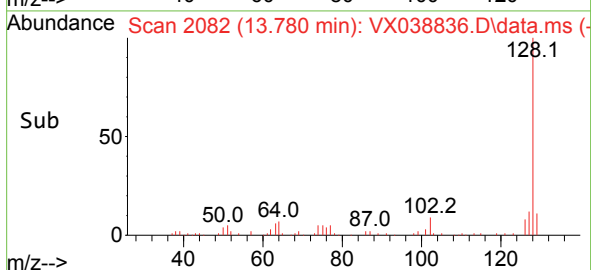
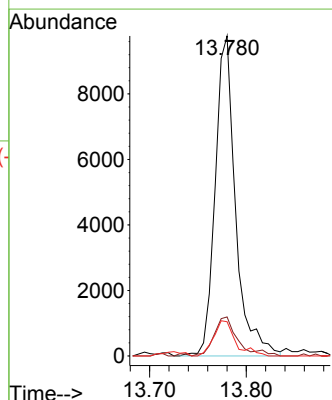
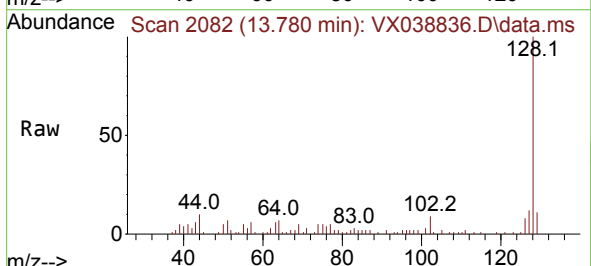
Tgt Ion:128 Resp: 14264

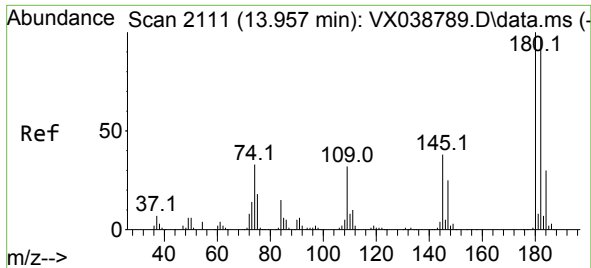
Ion Ratio Lower Upper

128 100

127 14.1 10.3 15.5

129 11.9 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 1.354 ug/l
 RT: 13.957 min Scan# 2111
 Delta R.T. 0.000 min
 Lab File: VX038836.D
 Acq: 16 Nov 2023 12:29

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Tgt Ion:180	Resp:	3840
Ion	Ratio	Lower Upper
180	100	
182	92.6	46.9 140.6
145	39.9	17.8 53.5

