

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121323\
 Data File : VX039186.D
 Acq On : 13 Dec 2023 12:29
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Dec 14 01:30:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	109539	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	222018	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	227877	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	113871	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	96544	48.111	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.220%
35) Dibromofluoromethane	5.385	113	72930	47.548	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.100%
50) Toluene-d8	8.647	98	280468	49.254	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.500%
62) 4-Bromofluorobenzene	11.079	95	128977	54.897	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.800%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.166	85	779	0.506	ug/l	82
3) Chloromethane	1.294	50	444	0.260	ug/l	98
4) Vinyl Chloride	1.374	62	597	0.376	ug/l	93
5) Bromomethane	1.618	94	323	0.354	ug/l	96
6) Chloroethane	1.685	64	375	0.392	ug/l #	43
7) Trichlorofluoromethane	1.892	101	969	0.417	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	640	0.451	ug/l #	84
10) Methyl Iodide	2.459	142	451	0.308	ug/l #	82
11) Tert butyl alcohol	2.947	59	998	1.981	ug/l #	78
12) 1,1-Dichloroethene	2.325	96	532	0.378	ug/l	94
13) Acrolein	2.239	56	717	1.784	ug/l #	66
14) Allyl chloride	2.672	41	846	0.296	ug/l #	83
15) Acrylonitrile	3.075	53	2106	2.088	ug/l	97
16) Acetone	2.374	43	1177	Below Cal	#	84
17) Carbon Disulfide	2.514	76	8019	1.945	ug/l	99
18) Methyl Acetate	2.703	43	1088	0.251	ug/l #	76
20) Methylene Chloride	2.800	84	878	0.525	ug/l #	77
21) trans-1,2-Dichloroethene	3.099	96	1187	0.774	ug/l #	72
23) Vinyl Acetate	3.757	43	1689	0.437	ug/l #	73
25) 2-Butanone	4.568	43	500	0.289	ug/l #	51
27) cis-1,2-Dichloroethene	4.501	96	553	0.327	ug/l	93
28) Bromochloromethane	4.904	49	356	0.248	ug/l #	50
31) Cyclohexane	5.464	56	1025	0.395	ug/l #	85
36) 1,1-Dichloropropene	5.696	75	1259	0.520	ug/l #	71
38) Carbon Tetrachloride	5.666	117	542	0.235	ug/l #	50
39) Methylcyclohexane	7.379	83	1096	0.377	ug/l	98
40) Benzene	6.044	78	1426	0.208	ug/l	93
44) Trichloroethene	7.129	130	793	0.459	ug/l	56
46) Dibromomethane	7.592	93	344	0.266	ug/l	87
49) 1,4-Dioxane	7.665	88	75	1.957	ug/l #	66
51) 4-Methyl-2-Pentanone	8.574	43	1242	0.401	ug/l	98
52) Toluene	8.720	92	1099	0.266	ug/l	88
53) t-1,3-Dichloropropene	8.994	75	668	0.246	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	590	0.202	ug/l	91
58) 2-Chloroethyl Vinyl ether	8.263	63	729	0.589	ug/l #	80
59) 2-Hexanone	9.439	43	1499	0.561	ug/l	94

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Instrument :
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 ClientSampleId :
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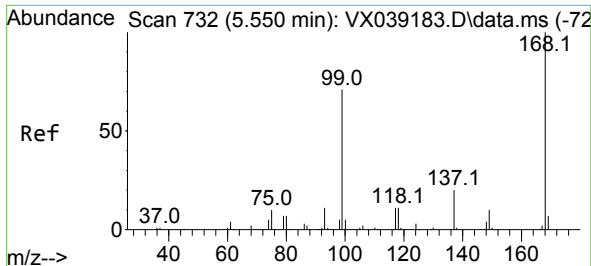
Quant Time: Dec 14 01:30:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) Tetrachloroethene	9.275	164	648	0.435	ug/l #	83
65) Chlorobenzene	10.073	112	1647	0.331	ug/l	99
67) Ethyl Benzene	10.195	91	2844	0.307	ug/l #	87
68) m/p-Xylenes	10.305	106	2118	0.638	ug/l	89
69) o-Xylene	10.646	106	808	0.252	ug/l	73
70) Styrene	10.659	104	1456	0.310	ug/l	97
73) Isopropylbenzene	10.963	105	2673	0.304	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	71175	24.160	ug/l #	38
77) Bromobenzene	11.201	156	875	0.450	ug/l	81
78) n-propylbenzene	11.311	91	4314	0.399	ug/l	95
79) 2-Chlorotoluene	11.366	91	2649	0.405	ug/l	82
80) 1,3,5-Trimethylbenzene	11.451	105	2662	0.356	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.079	75	71175	68.154	ug/l #	5
82) 4-Chlorotoluene	11.457	91	4028	0.524	ug/l	99
83) tert-Butylbenzene	11.719	119	1958	0.275	ug/l	79
84) 1,2,4-Trimethylbenzene	11.756	105	2866	0.373	ug/l	93
85) sec-Butylbenzene	11.890	105	3649	0.403	ug/l	96
86) p-Isopropyltoluene	12.012	119	3226	0.424	ug/l #	84
87) 1,3-Dichlorobenzene	11.975	146	2282	0.598	ug/l	95
88) 1,4-Dichlorobenzene	11.975	146	2282	0.574	ug/l	94
89) n-Butylbenzene	12.335	91	5245	0.701	ug/l	91
90) Hexachloroethane	12.542	117	286	0.208	ug/l	80
91) 1,2-Dichlorobenzene	12.335	146	1594	0.436	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	12.939	75	205	0.238	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	3148	1.316	ug/l	97
94) Hexachlorobutadiene	13.725	225	2013	2.234	ug/l	92
95) Naphthalene	13.774	128	11254	1.351	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	2861	1.239	ug/l	92

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

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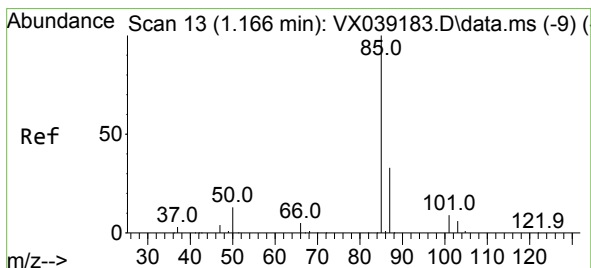
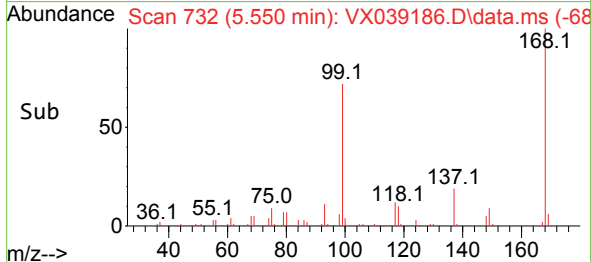
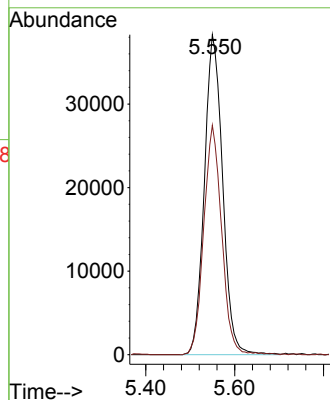
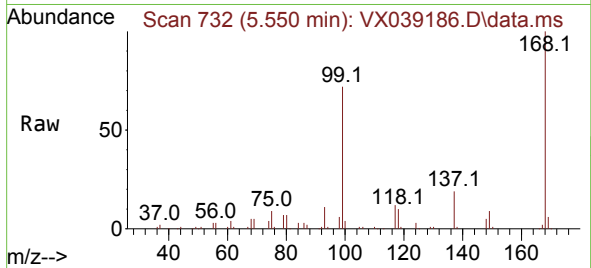




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

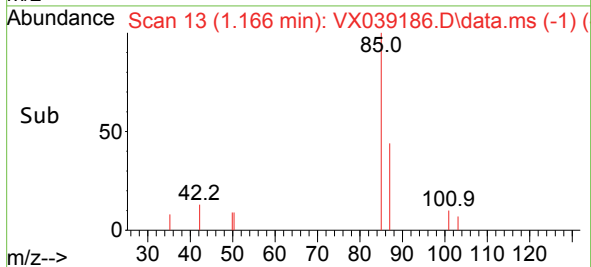
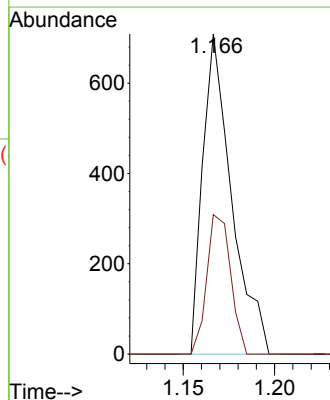
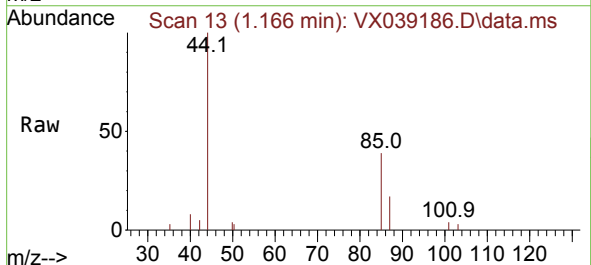
Instrument :
MSVOA_X
ClientSampleId :
IBLK

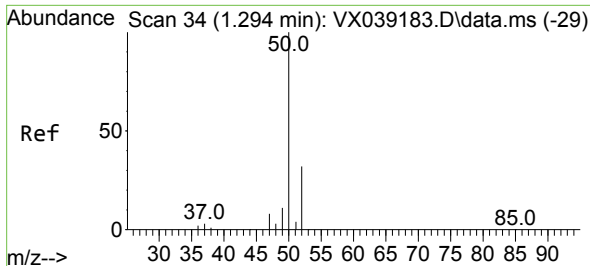
Tgt Ion:168 Resp: 109539
Ion Ratio Lower Upper
168 100
99 71.7 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.506 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

Tgt Ion: 85 Resp: 779
Ion Ratio Lower Upper
85 100
87 43.6 16.7 50.1

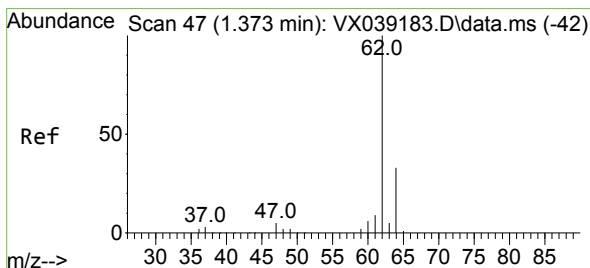
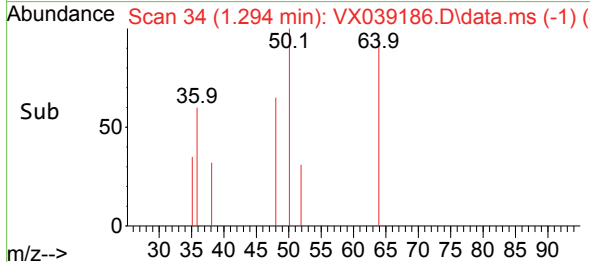
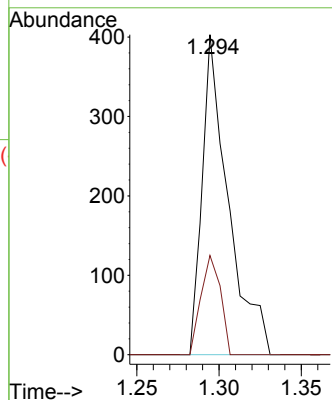
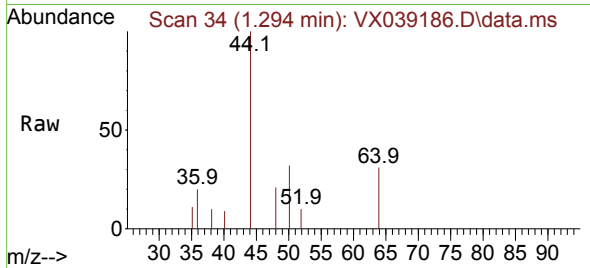




#3
Chloromethane
Concen: 0.260 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

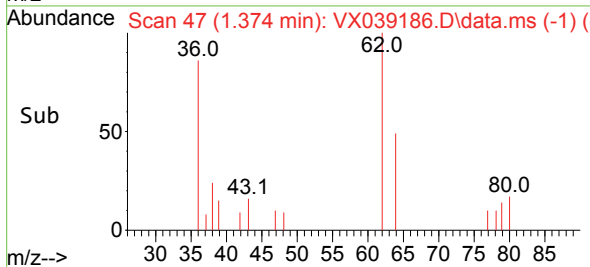
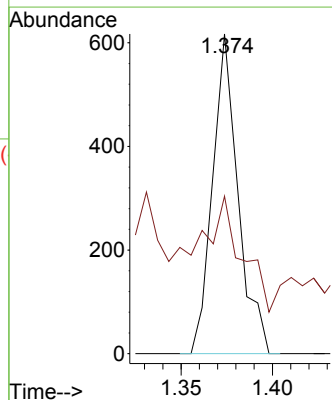
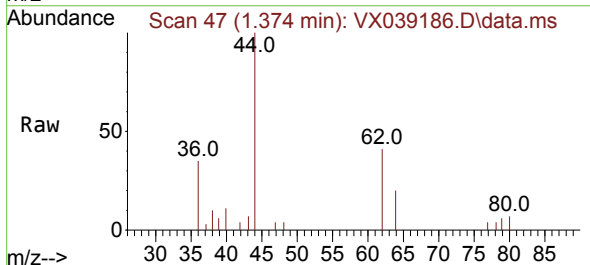
Instrument :
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ClientSampleId :
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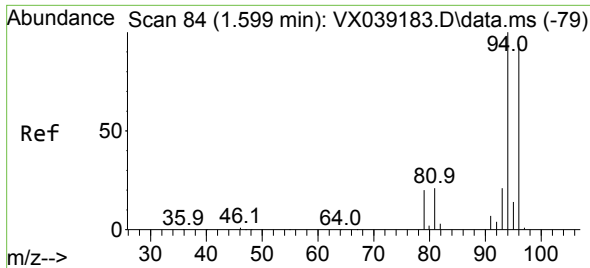
Tgt Ion: 50 Resp: 444
Ion Ratio Lower Upper
50 100
52 31.0 25.5 38.3



#4
Vinyl Chloride
Concen: 0.376 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

Tgt Ion: 62 Resp: 597
Ion Ratio Lower Upper
62 100
64 27.9 25.4 38.0

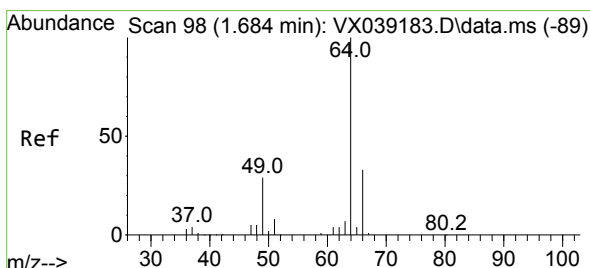
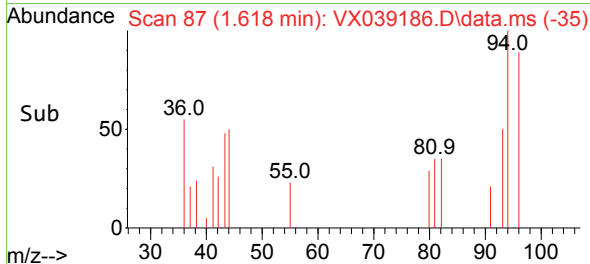
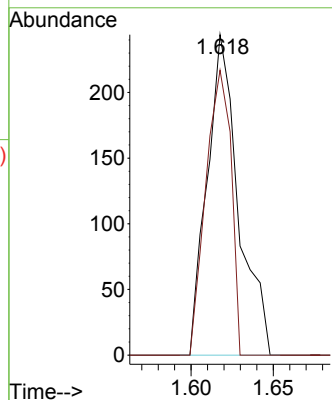
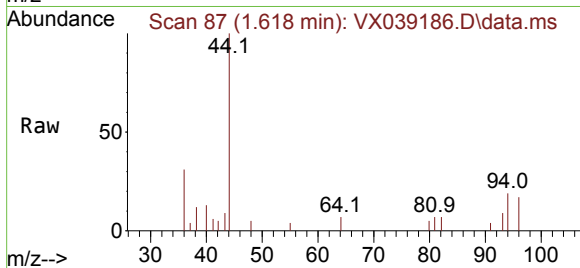




#5
Bromomethane
Concen: 0.354 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

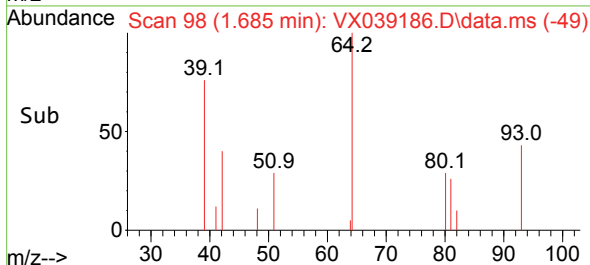
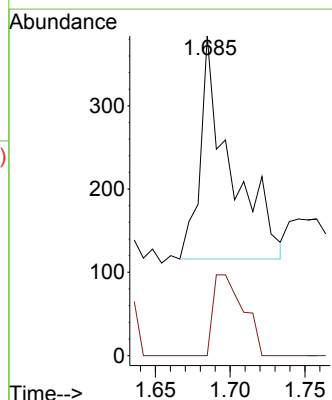
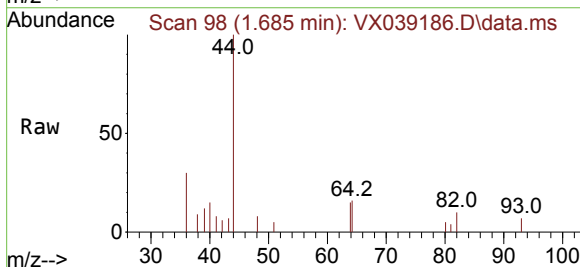
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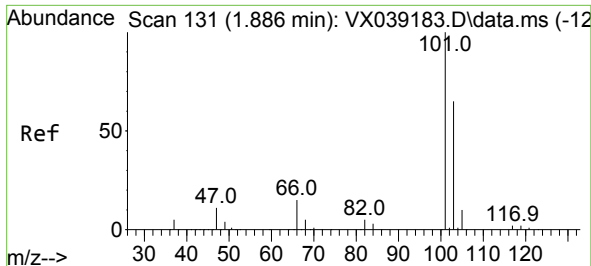
Tgt Ion: 94 Resp: 323
Ion Ratio Lower Upper
94 100
96 88.9 74.6 111.8



#6
Chloroethane
Concen: 0.392 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.000 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

Tgt Ion: 64 Resp: 375
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

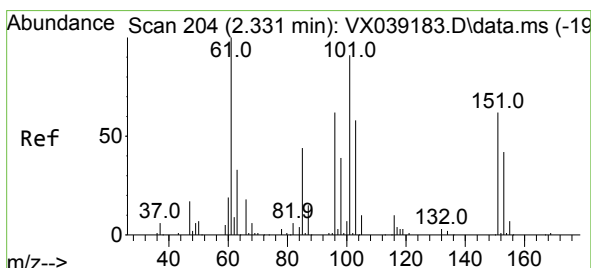
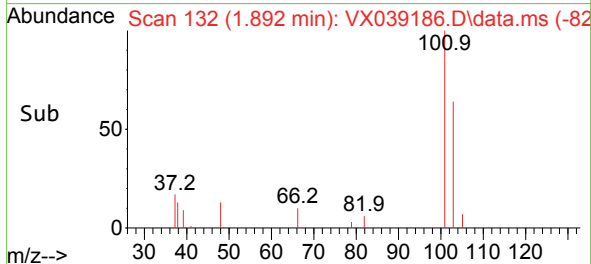
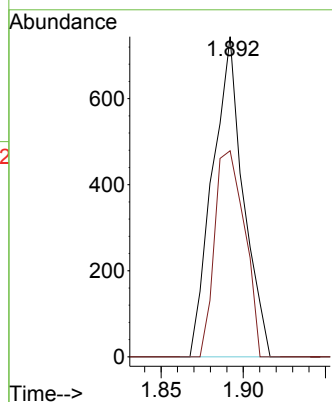
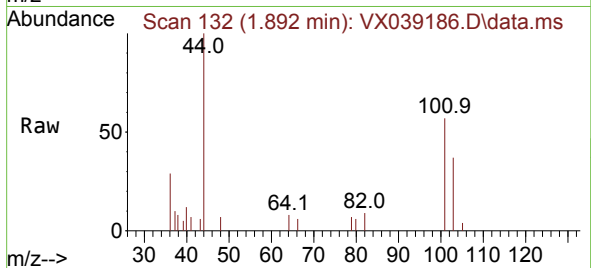




#7
 Trichlorofluoromethane
 Concen: 0.417 ug/l
 RT: 1.892 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX039186.D
 Acq: 13 Dec 2023 12:29

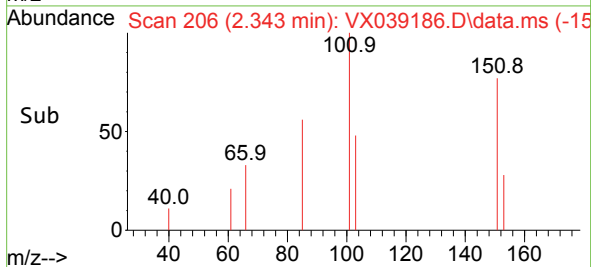
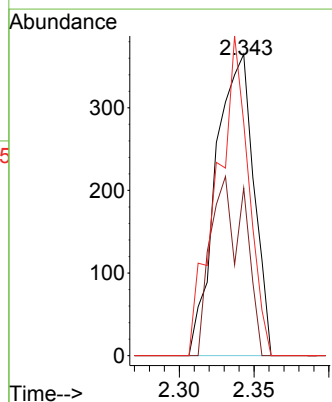
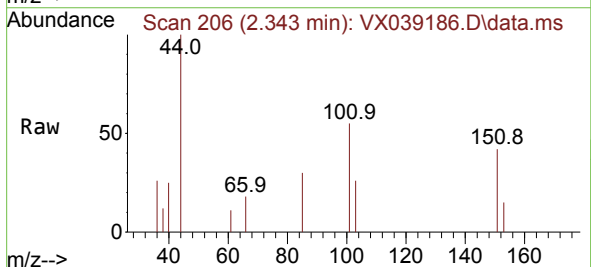
Instrument :
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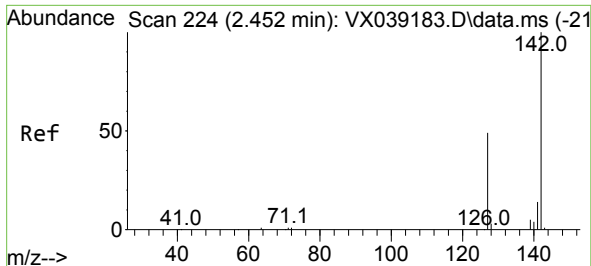
Tgt Ion:101 Resp: 969
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.4 77.2



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.451 ug/l
 RT: 2.343 min Scan# 206
 Delta R.T. 0.013 min
 Lab File: VX039186.D
 Acq: 13 Dec 2023 12:29

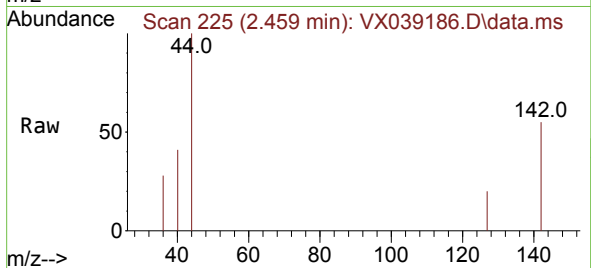
Tgt Ion:101 Resp: 640
 Ion Ratio Lower Upper
 101 100
 85 53.1 37.0 55.6
 151 89.2 58.6 87.8#



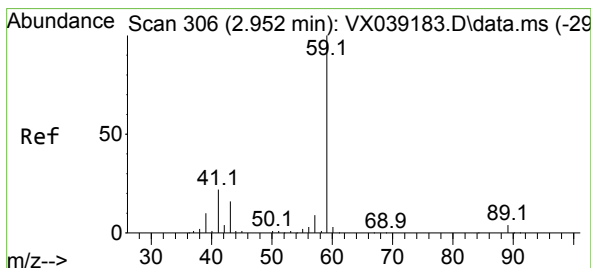
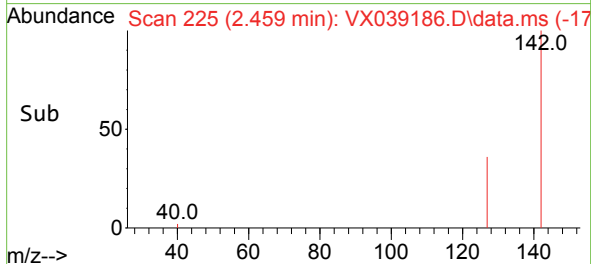
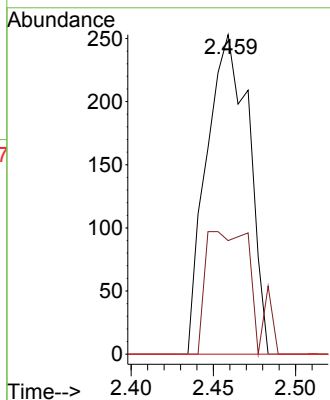


#10
Methyl Iodide
Concen: 0.308 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

Instrument :
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ClientSampleId :
IBLK

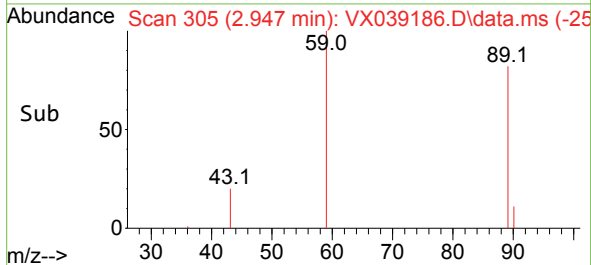
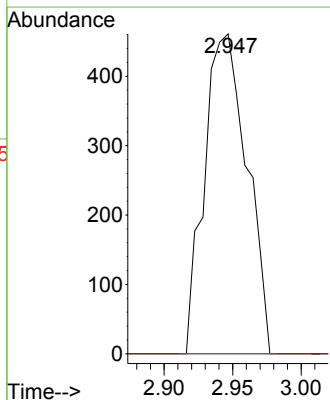
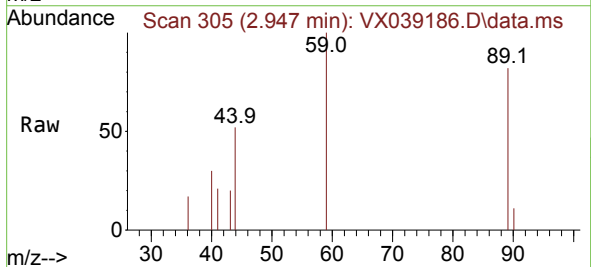


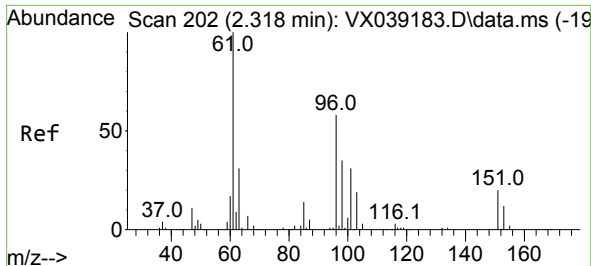
Tgt Ion:142 Resp: 451
Ion Ratio Lower Upper
142 100
127 42.8 41.6 62.4
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 1.981 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

Tgt Ion: 59 Resp: 998
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 0.378 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

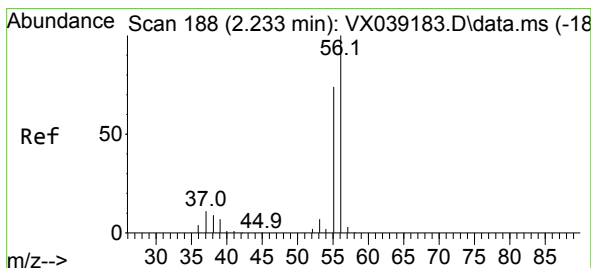
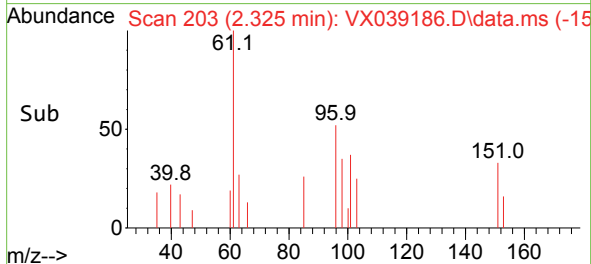
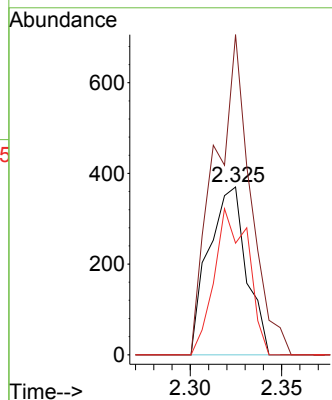
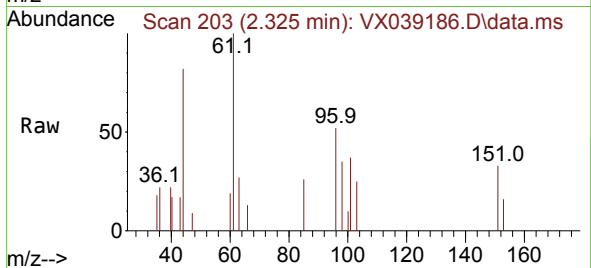
Tgt Ion: 96 Resp: 532

Ion Ratio Lower Upper

96 100

61 190.8 144.6 216.8

98 66.5 50.4 75.6



#13

Acrolein

Concen: 1.784 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX039186.D

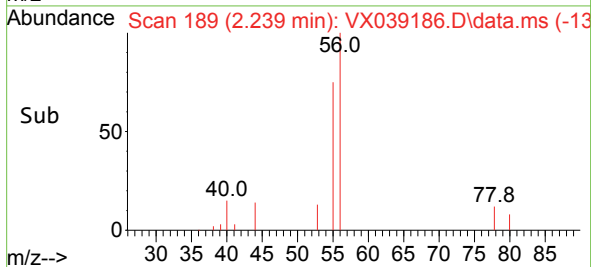
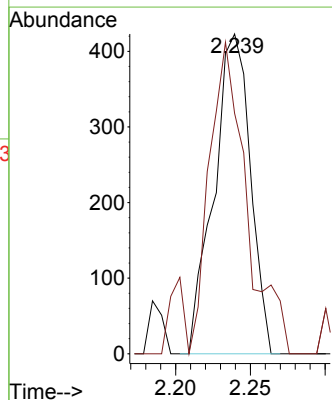
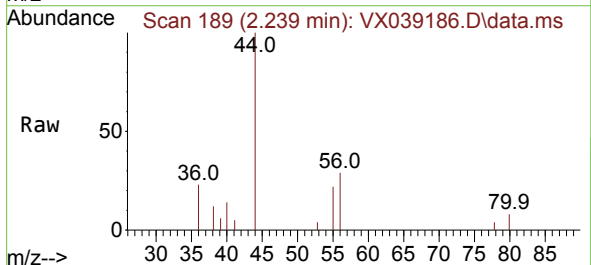
Acq: 13 Dec 2023 12:29

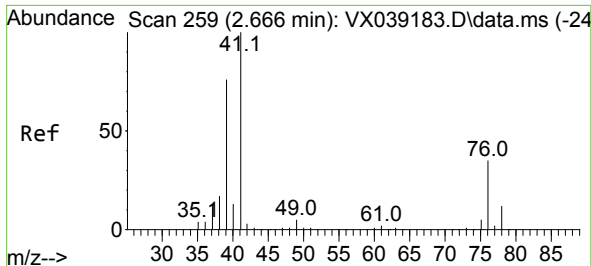
Tgt Ion: 56 Resp: 717

Ion Ratio Lower Upper

56 100

55 99.3 57.1 85.7#

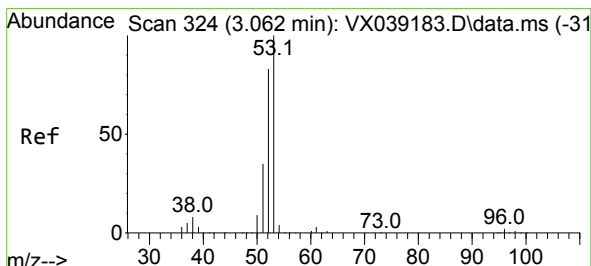
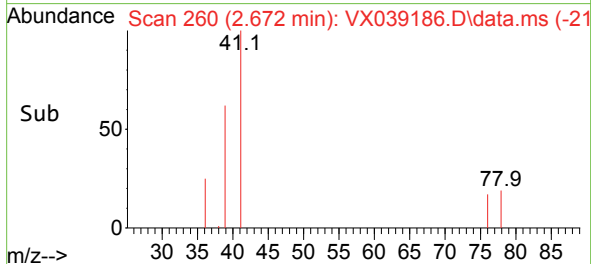
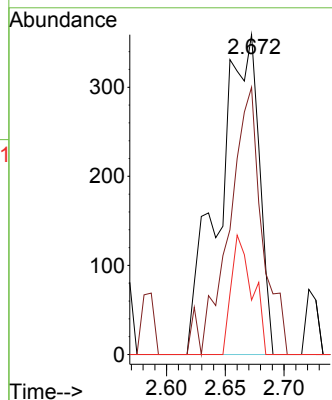
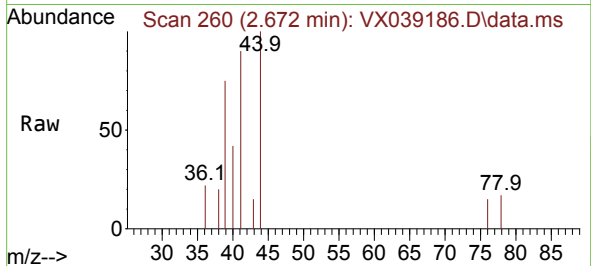




#14
 Allyl chloride
 Concen: 0.296 ug/l
 RT: 2.672 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX039186.D
 Acq: 13 Dec 2023 12:29

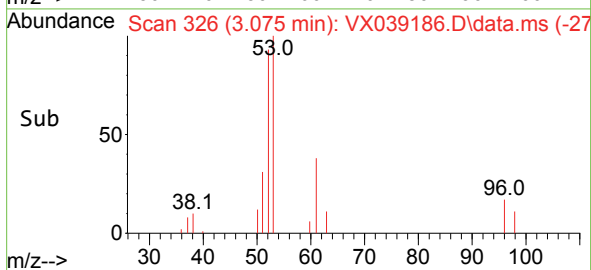
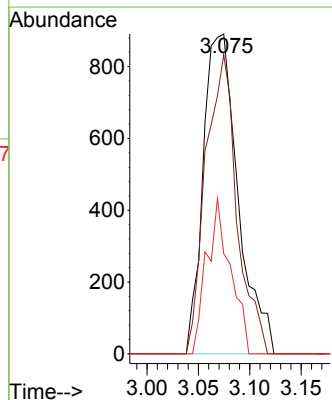
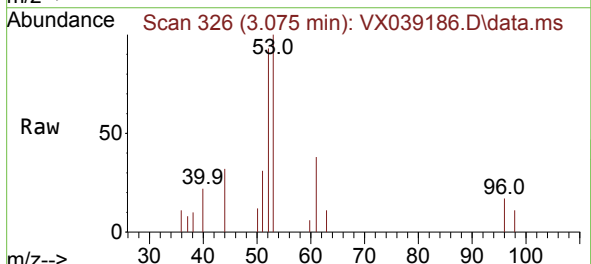
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

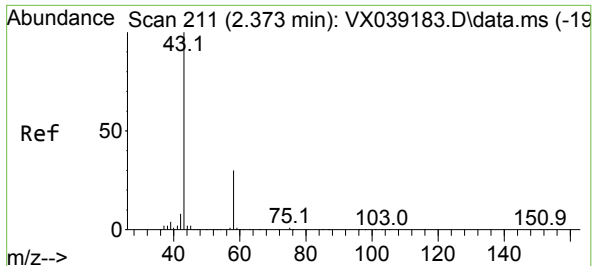
Tgt Ion: 41 Resp: 846
 Ion Ratio Lower Upper
 41 100
 39 69.9 55.8 83.6
 76 0.0 24.3 36.5#



#15
 Acrylonitrile
 Concen: 2.088 ug/l
 RT: 3.075 min Scan# 326
 Delta R.T. 0.013 min
 Lab File: VX039186.D
 Acq: 13 Dec 2023 12:29

Tgt Ion: 53 Resp: 2106
 Ion Ratio Lower Upper
 53 100
 52 83.4 66.0 99.0
 51 33.0 29.8 44.6

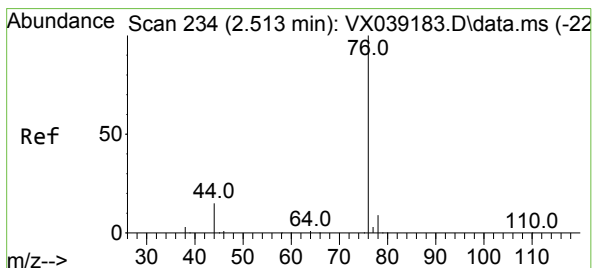
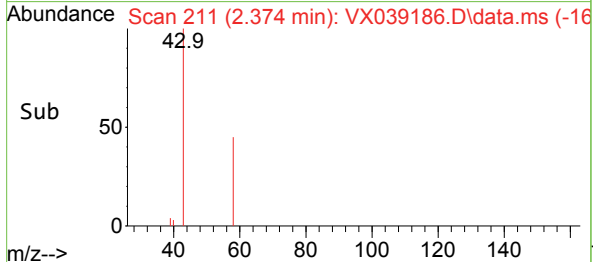
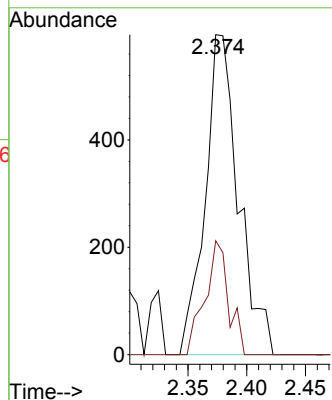
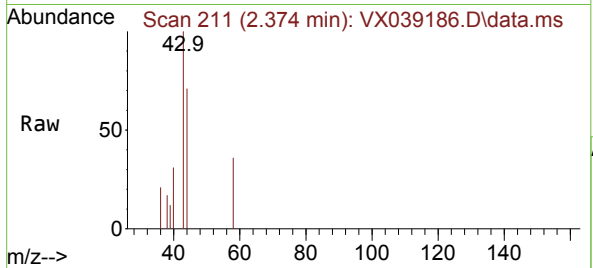




#16
Acetone
Concen: Below Cal
RT: 2.374 min Scan# 211
Delta R.T. 0.001 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

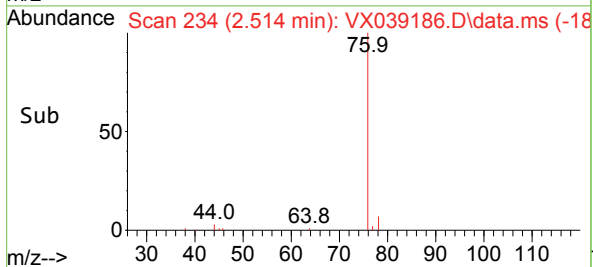
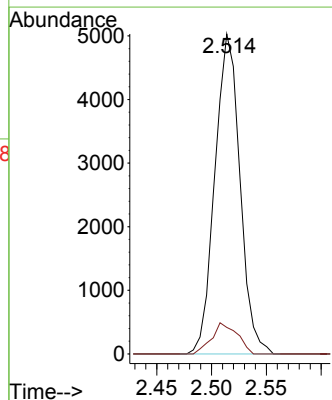
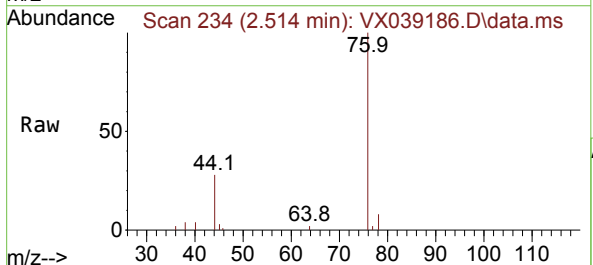
Instrument :
MSVOA_X
ClientSampleId :
IBLK

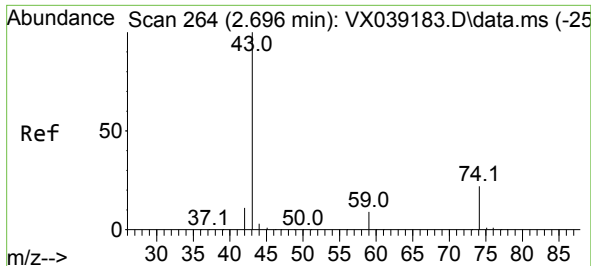
Tgt Ion: 43 Resp: 1177
Ion Ratio Lower Upper
43 100
58 35.6 21.9 32.9#



#17
Carbon Disulfide
Concen: 1.945 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

Tgt Ion: 76 Resp: 8019
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.6

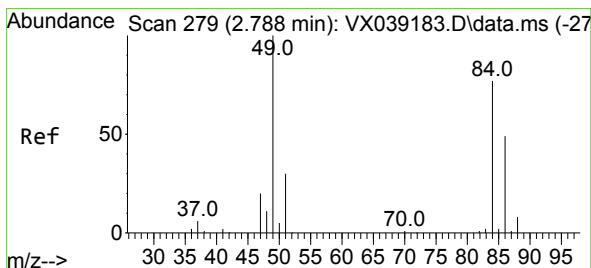
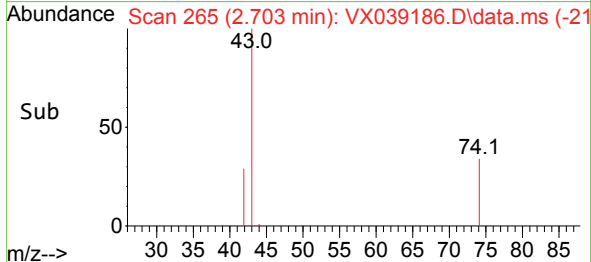
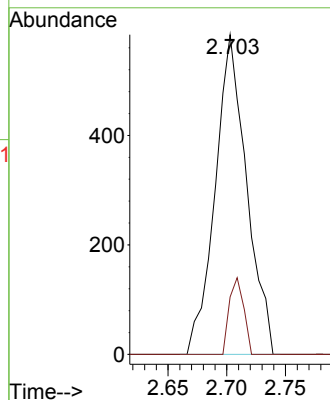
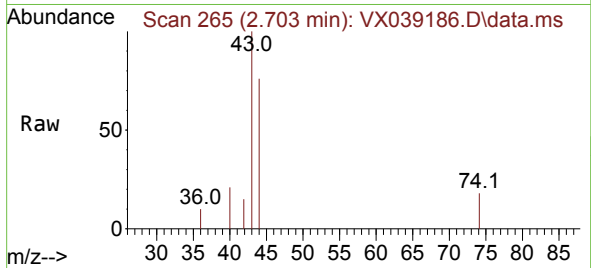




#18
Methyl Acetate
Concen: 0.251 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

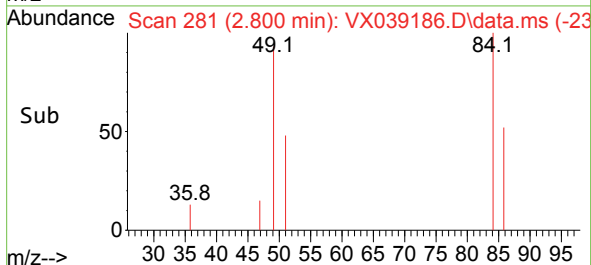
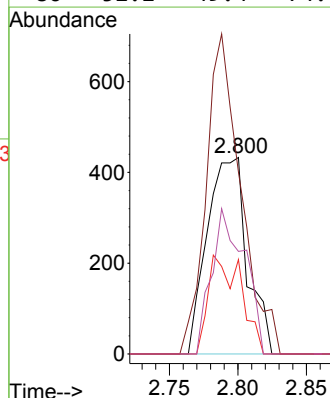
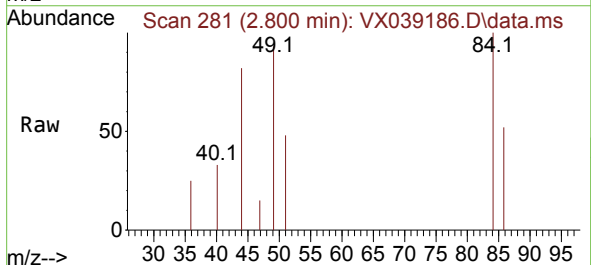
Instrument :
MSVOA_X
ClientSampleId :
IBLK

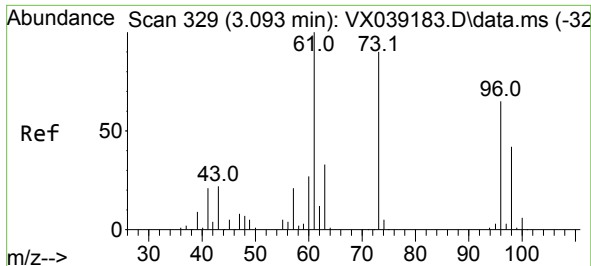
Tgt Ion: 43 Resp: 1088
Ion Ratio Lower Upper
43 100
74 11.0 17.8 26.8#



#20
Methylene Chloride
Concen: 0.525 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.013 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

Tgt Ion: 84 Resp: 878
Ion Ratio Lower Upper
84 100
49 92.6 103.6 155.4#
51 48.0 33.8 50.6
86 52.2 49.4 74.0

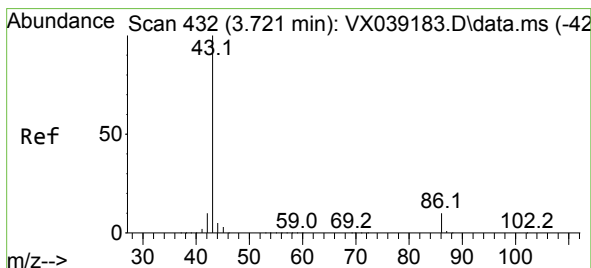
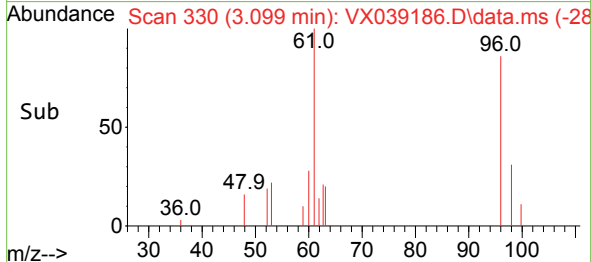
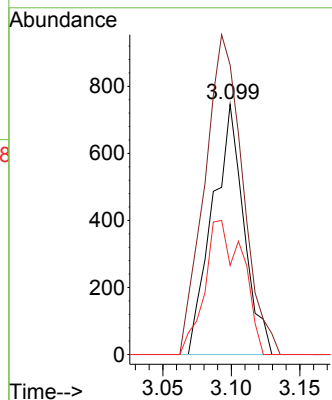
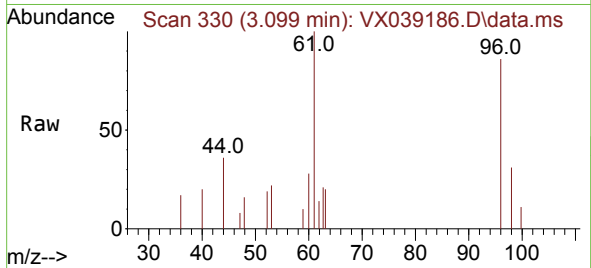




#21
trans-1,2-Dichloroethene
Concen: 0.774 ug/l
RT: 3.099 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

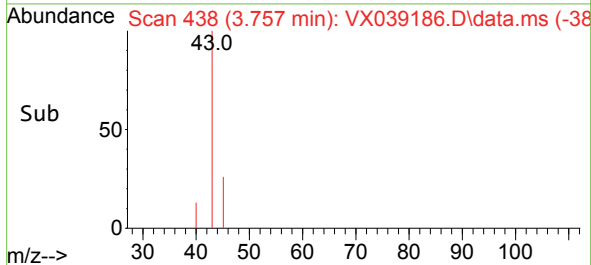
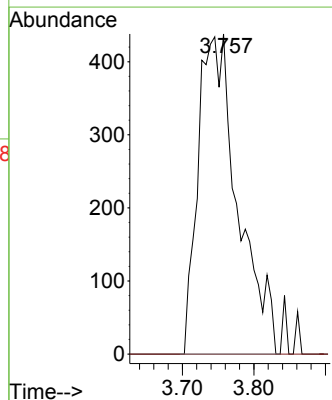
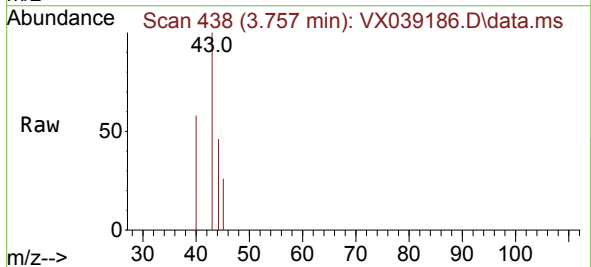
Instrument :
MSVOA_X
ClientSampleId :
IBLK

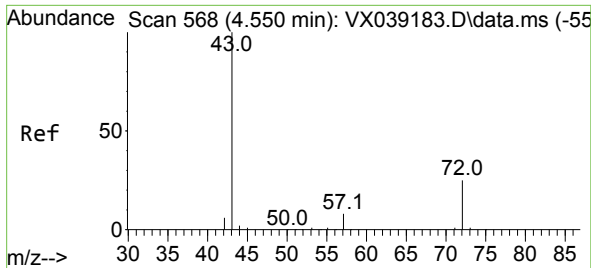
Tgt Ion: 96 Resp: 1187
Ion Ratio Lower Upper
96 100
61 115.8 119.2 178.8#
98 35.7 48.7 73.1#



#23
Vinyl Acetate
Concen: 0.437 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.037 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

Tgt Ion: 43 Resp: 1689
Ion Ratio Lower Upper
43 100
86 0.0 7.8 11.8#

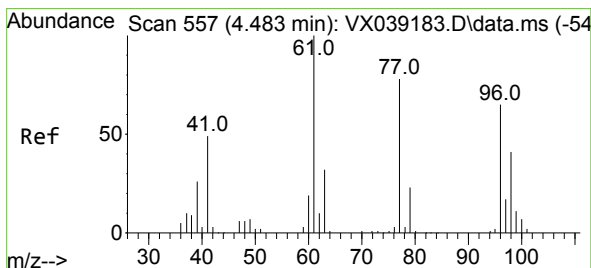
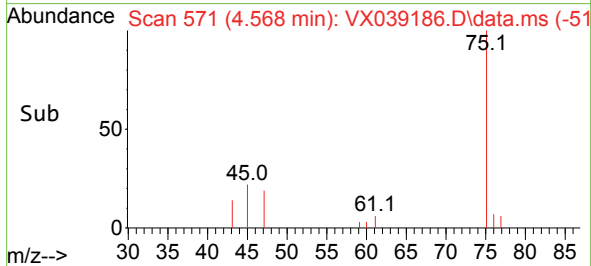
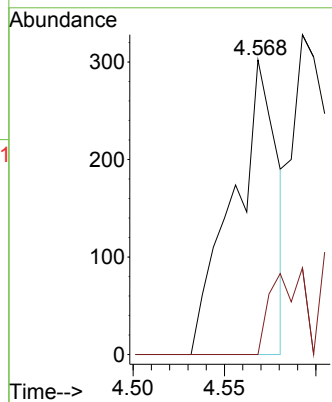
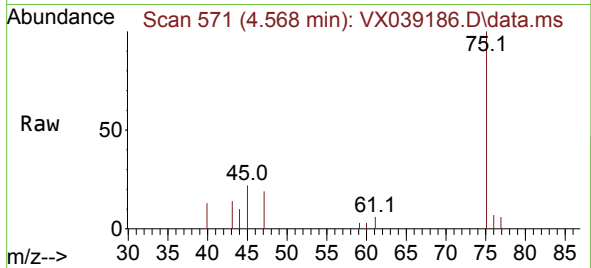




#25
2-Butanone
Concen: 0.289 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.019 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

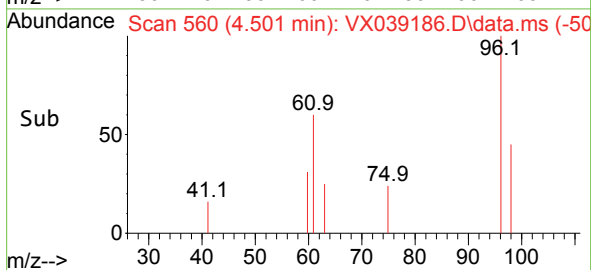
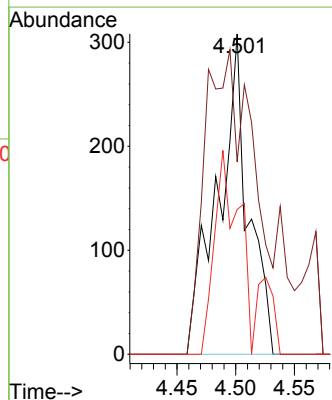
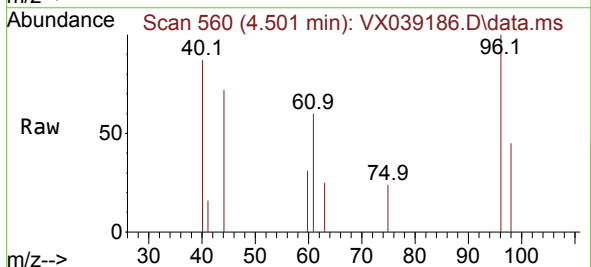
Instrument :
MSVOA_X
ClientSampleId :
IBLK

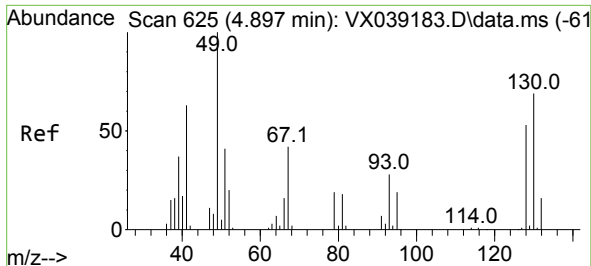
Tgt Ion: 43 Resp: 500
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#27
cis-1,2-Dichloroethene
Concen: 0.327 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.019 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

Tgt Ion: 96 Resp: 553
Ion Ratio Lower Upper
96 100
61 151.4 0.0 312.2
98 51.5 0.0 129.0

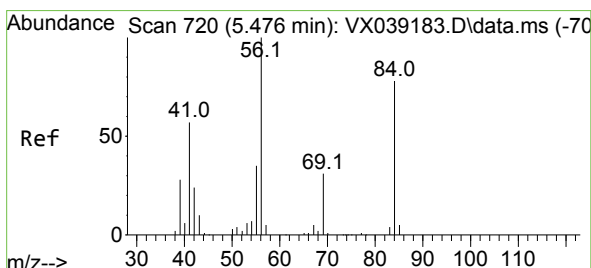
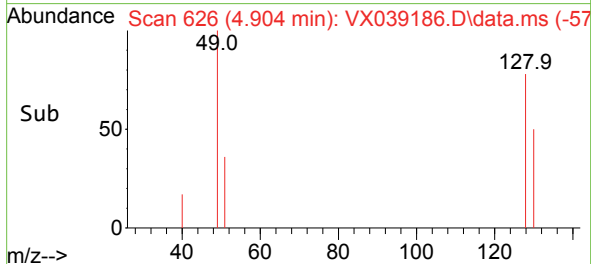
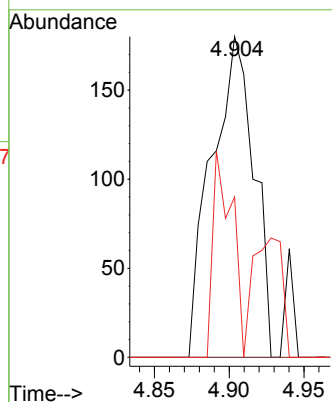
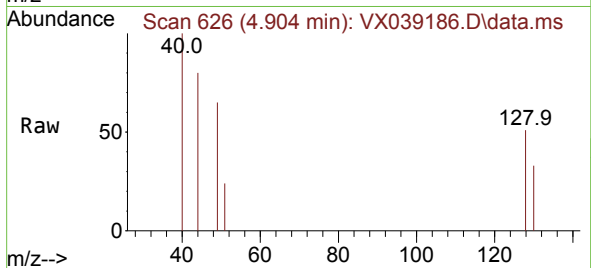




#28
Bromochloromethane
Concen: 0.248 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

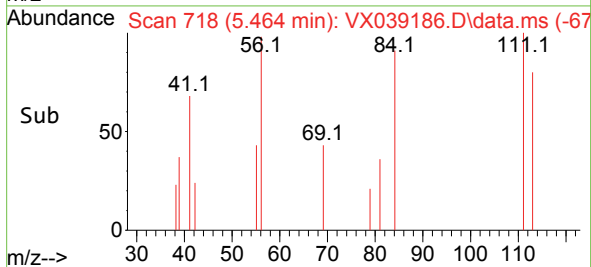
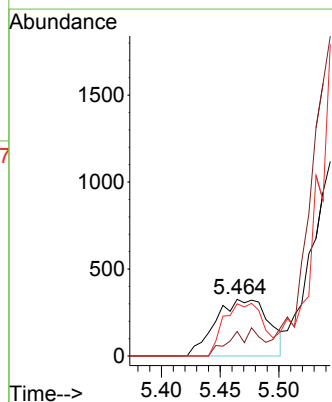
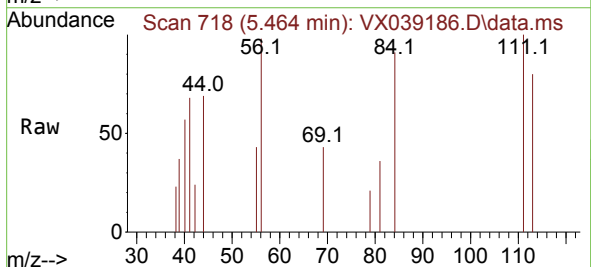
Instrument :
MSVOA_X
ClientSampleId :
IBLK

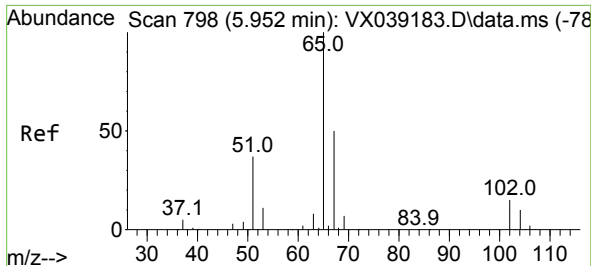
Tgt Ion: 49 Resp: 356
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 29.2 57.5 86.3#



#31
Cyclohexane
Concen: 0.395 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.012 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

Tgt Ion: 56 Resp: 1025
Ion Ratio Lower Upper
56 100
69 43.3 23.4 35.2#
84 92.0 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 48.111 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

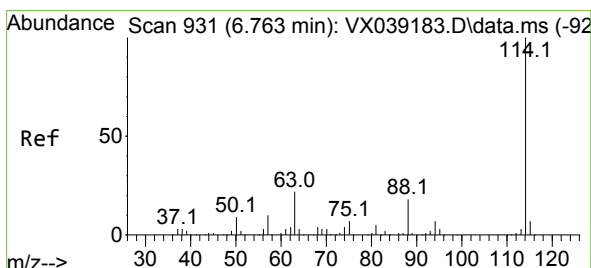
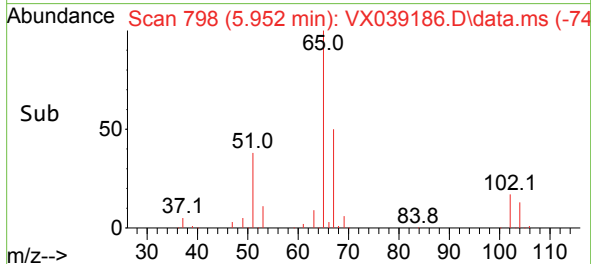
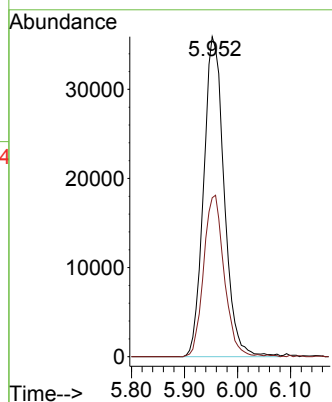
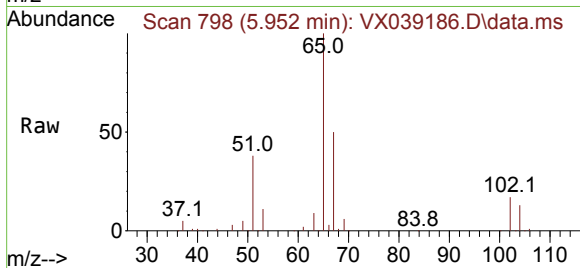
IBLK

Tgt Ion: 65 Resp: 96544

Ion Ratio Lower Upper

65 100

67 50.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

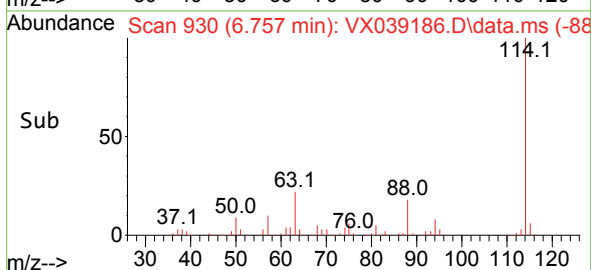
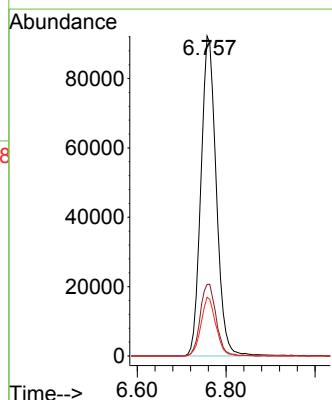
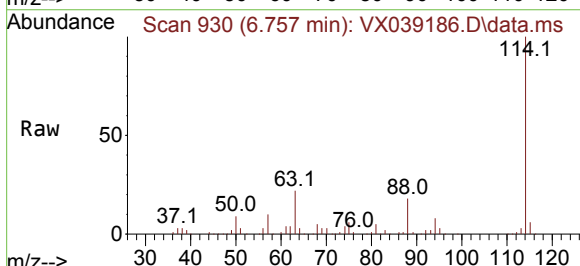
Tgt Ion: 114 Resp: 222018

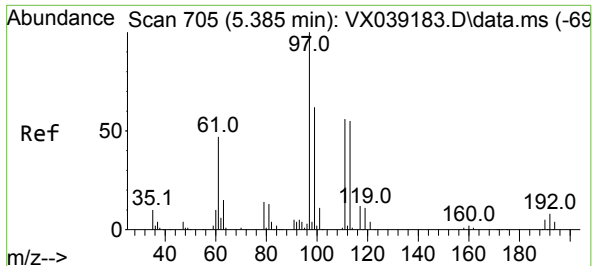
Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.0

88 18.4 0.0 36.6





#35

Dibromofluoromethane

Concen: 47.548 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

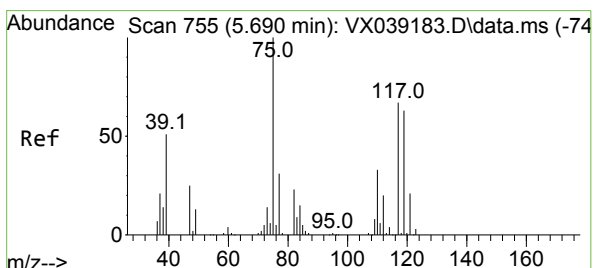
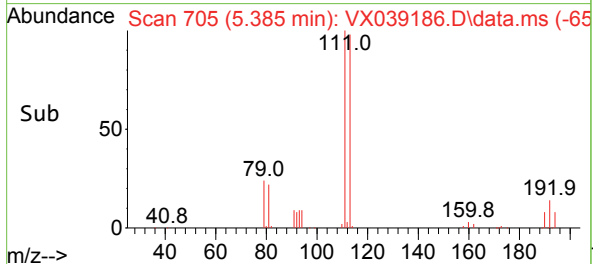
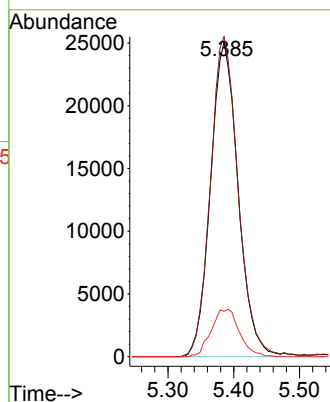
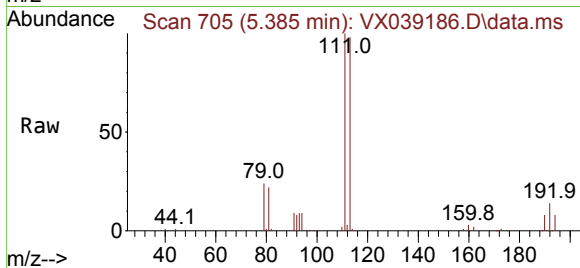
Tgt Ion:113 Resp: 72930

Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

192 15.5 13.3 19.9



#36

1,1-Dichloropropene

Concen: 0.520 ug/l

RT: 5.696 min Scan# 756

Delta R.T. 0.006 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

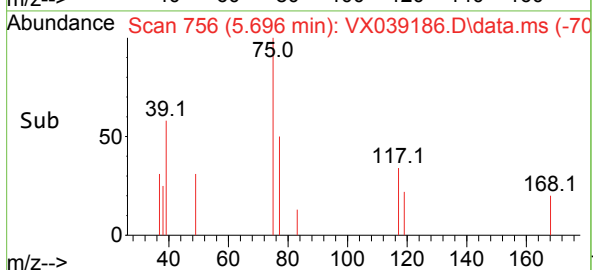
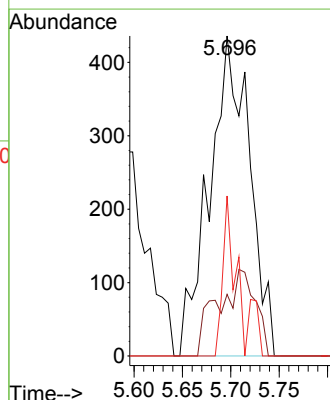
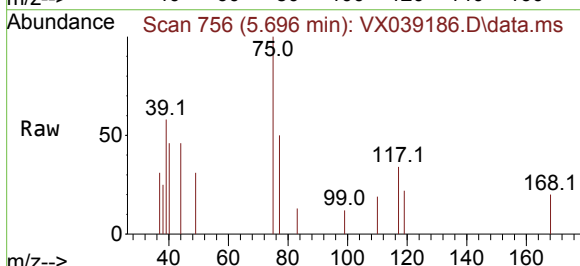
Tgt Ion: 75 Resp: 1259

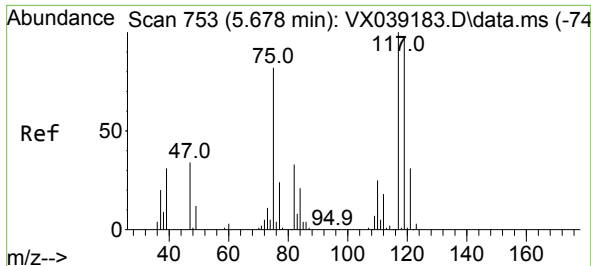
Ion Ratio Lower Upper

75 100

110 17.2 17.0 50.9

77 15.1 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 0.235 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.012 min

Lab File: VX039186.D

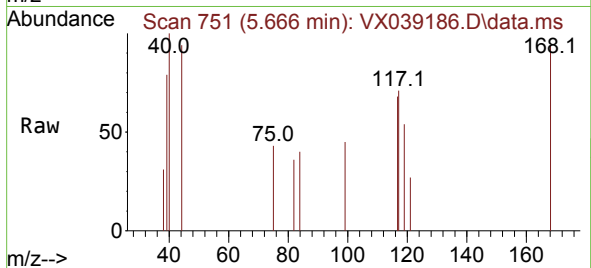
Acq: 13 Dec 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK



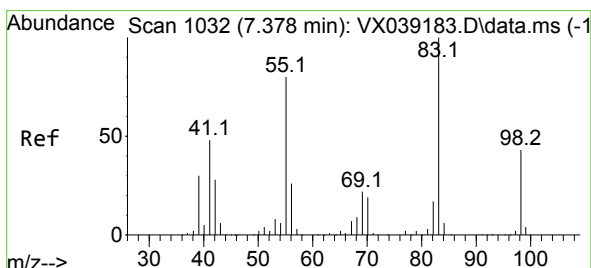
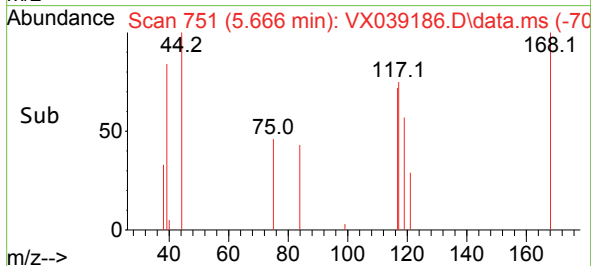
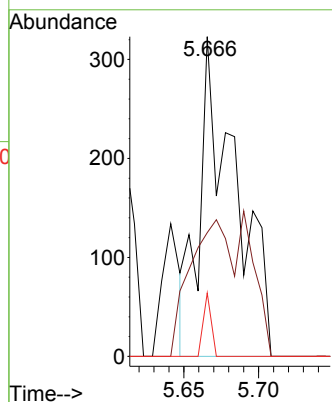
Tgt Ion:117 Resp: 542

Ion Ratio Lower Upper

117 100

119 38.7 78.2 117.2#

121 19.8 24.4 36.6#



#39

Methylcyclohexane

Concen: 0.377 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

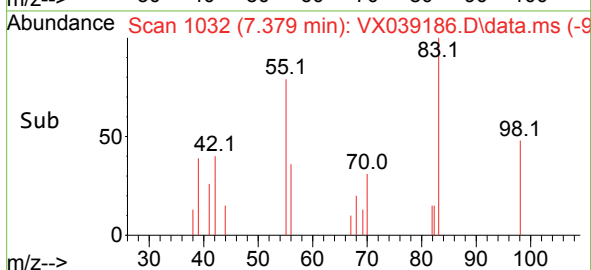
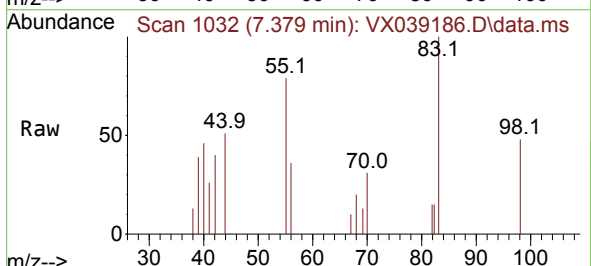
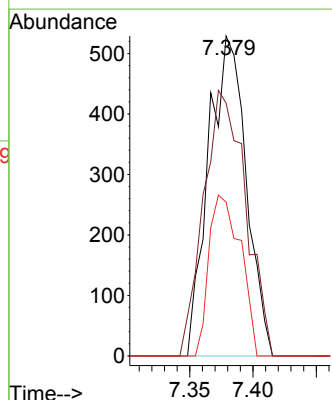
Tgt Ion: 83 Resp: 1096

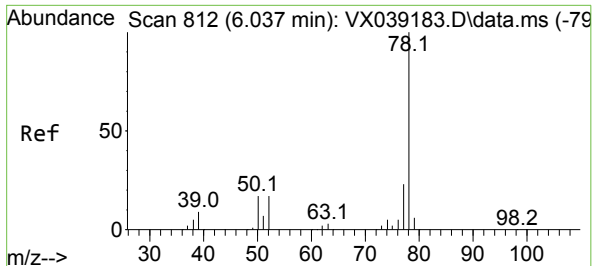
Ion Ratio Lower Upper

83 100

55 79.0 64.6 97.0

98 48.0 36.7 55.1





#40

Benzene

Concen: 0.208 ug/l

RT: 6.044 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

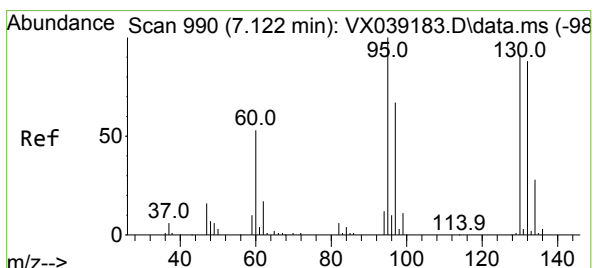
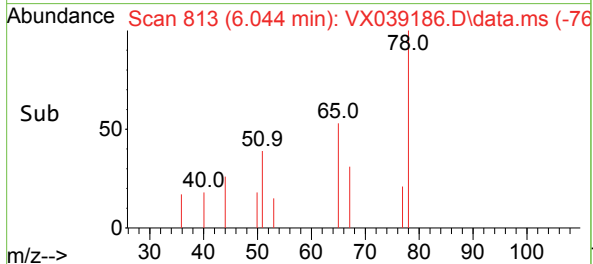
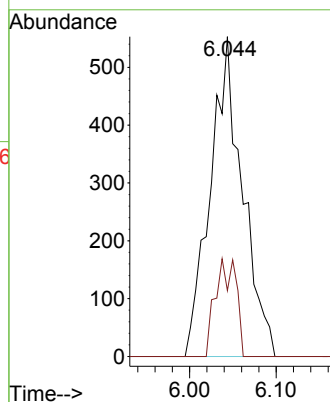
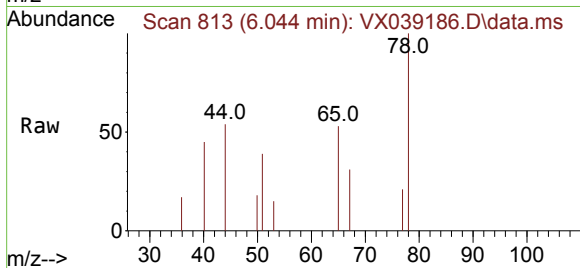
IBLK

Tgt Ion: 78 Resp: 1426

Ion Ratio Lower Upper

78 100

77 20.6 19.3 28.9



#44

Trichloroethene

Concen: 0.459 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX039186.D

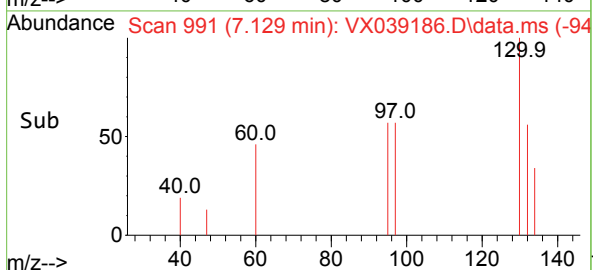
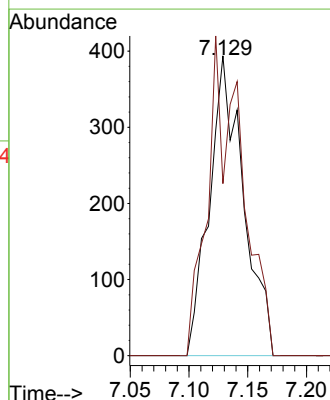
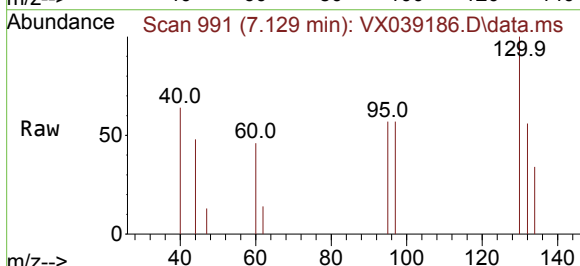
Acq: 13 Dec 2023 12:29

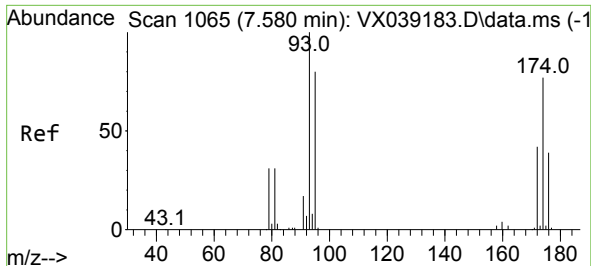
Tgt Ion:130 Resp: 793

Ion Ratio Lower Upper

130 100

95 57.4 0.0 204.4

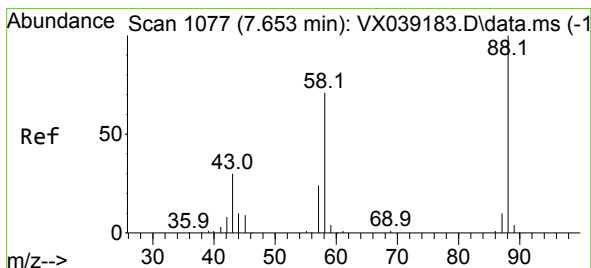
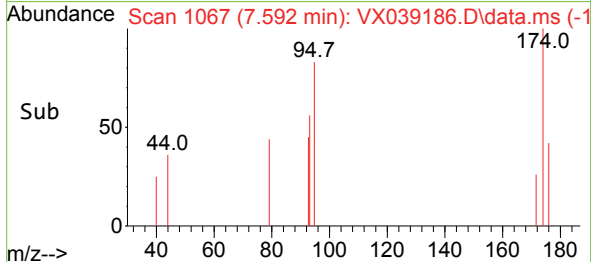
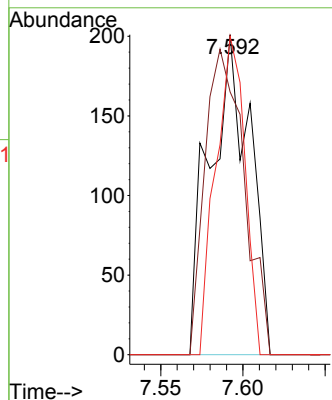
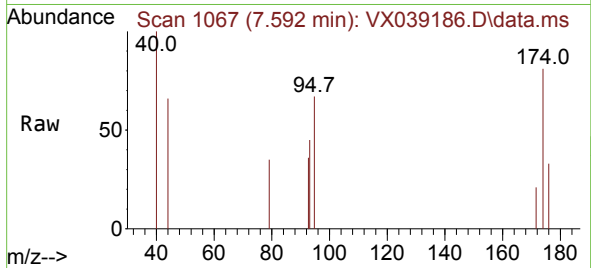




#46
Dibromomethane
Concen: 0.266 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. 0.013 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

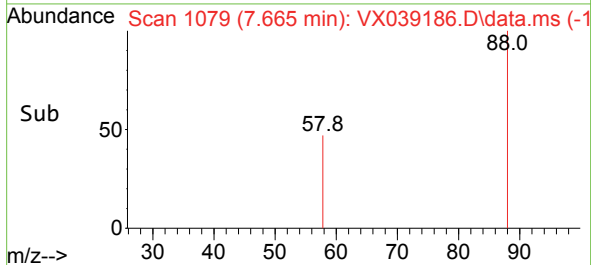
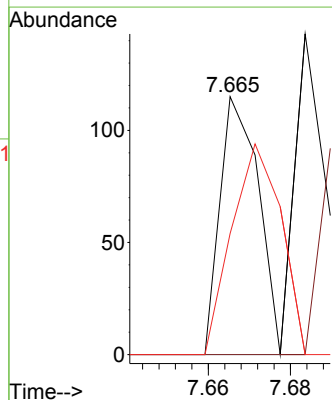
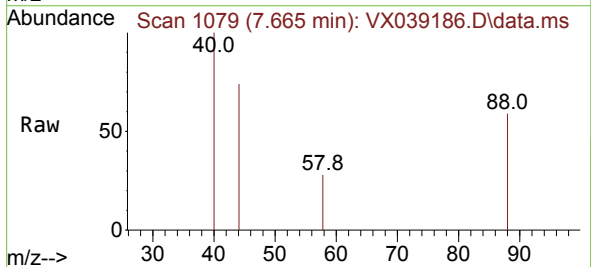
Instrument :
MSVOA_X
ClientSampleId :
IBLK

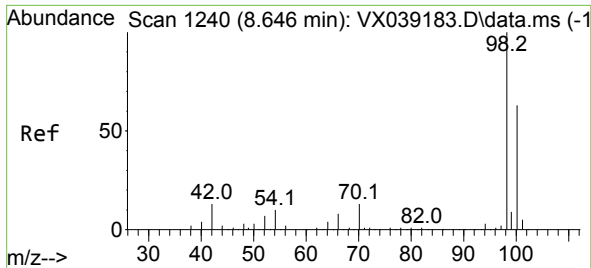
Tgt Ion: 93 Resp: 344
Ion Ratio Lower Upper
93 100
95 92.4 66.6 100.0
174 71.5 69.4 104.0



#49
1,4-Dioxane
Concen: 1.957 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.013 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

Tgt Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 104.0 60.1 90.1#

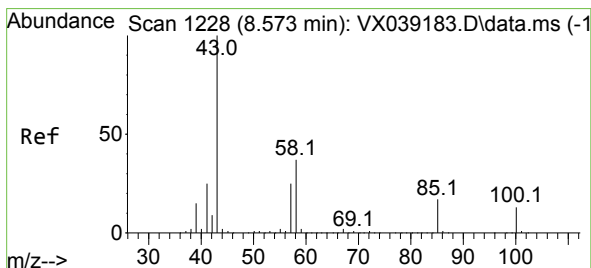
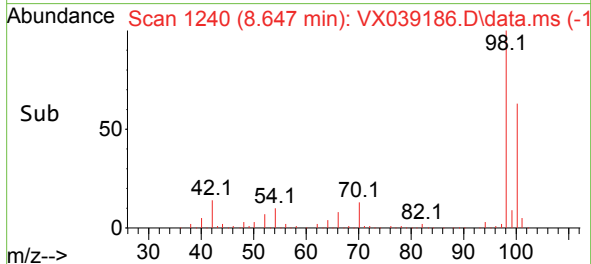
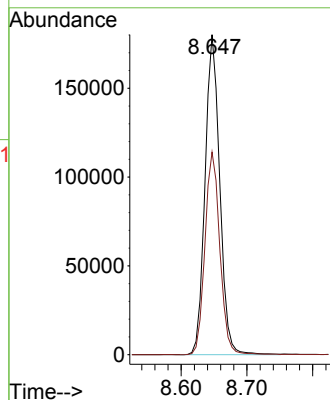
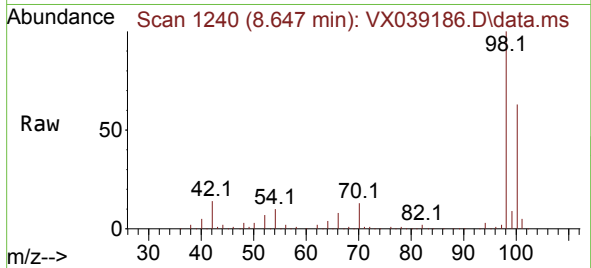




#50
Toluene-d8
Concen: 49.254 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

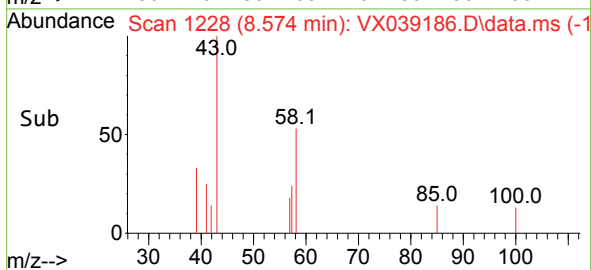
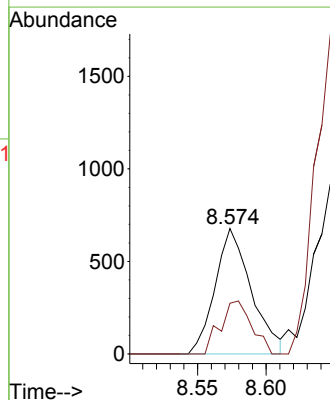
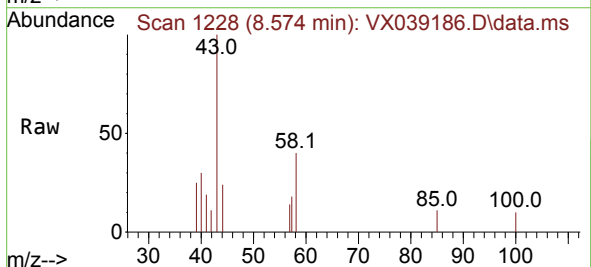
Instrument :
MSVOA_X
ClientSampleId :
IBLK

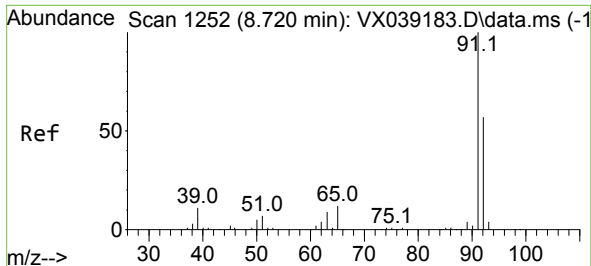
Tgt Ion: 98 Resp: 280468
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.401 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

Tgt Ion: 43 Resp: 1242
Ion Ratio Lower Upper
43 100
58 36.6 30.4 45.6





#52

Toluene

Concen: 0.266 ug/l

RT: 8.720 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

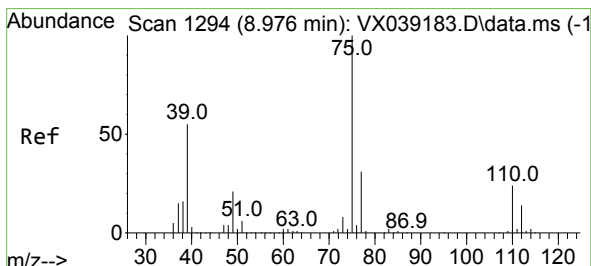
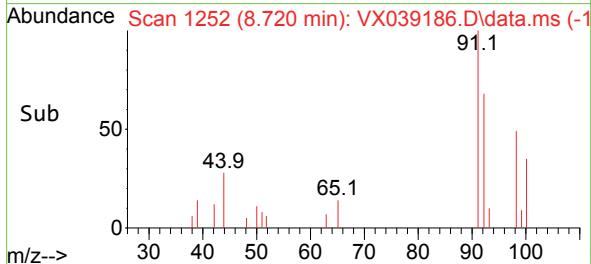
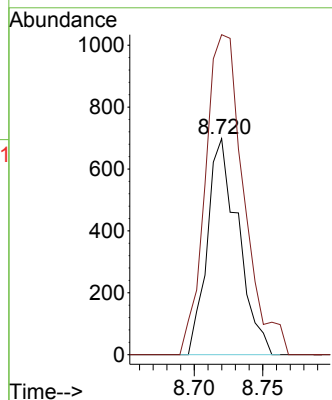
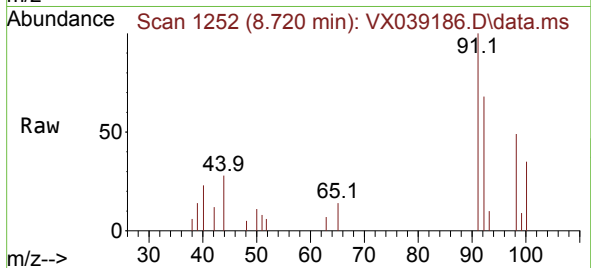
IBLK

Tgt Ion: 92 Resp: 1099

Ion Ratio Lower Upper

92 100

91 183.9 134.2 201.2



#53

t-1,3-Dichloropropene

Concen: 0.246 ug/l

RT: 8.994 min Scan# 1297

Delta R.T. 0.019 min

Lab File: VX039186.D

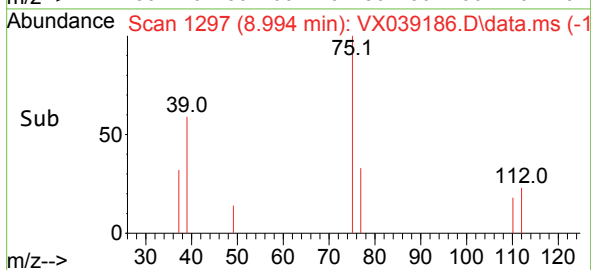
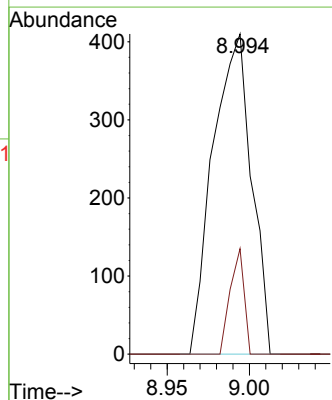
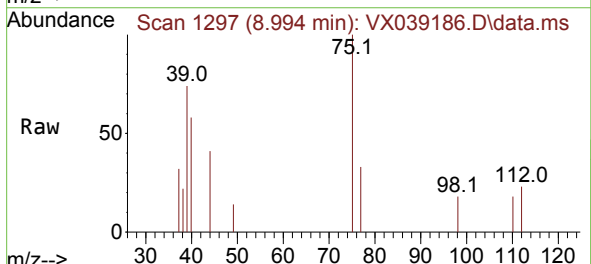
Acq: 13 Dec 2023 12:29

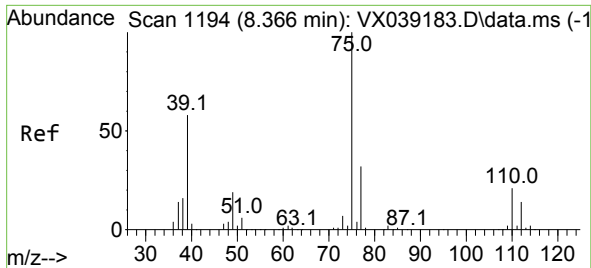
Tgt Ion: 75 Resp: 668

Ion Ratio Lower Upper

75 100

77 32.9 25.7 38.5

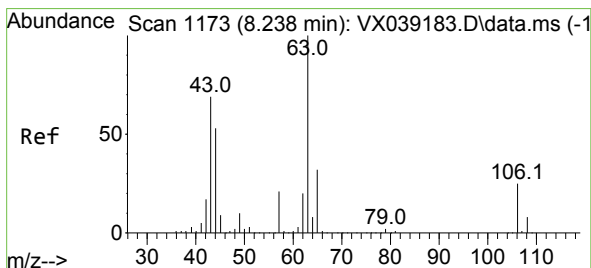
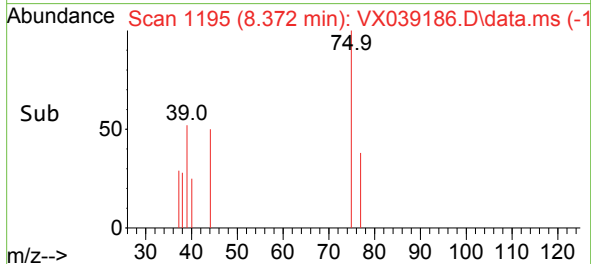
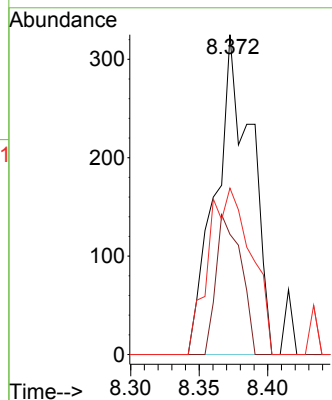
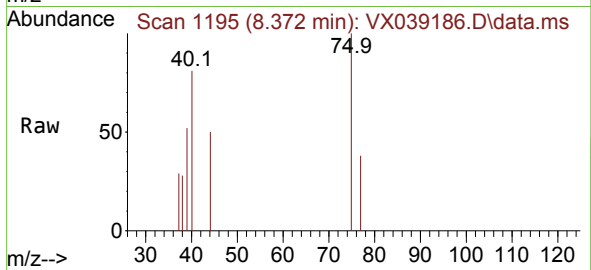




#54
 cis-1,3-Dichloropropene
 Concen: 0.202 ug/l
 RT: 8.372 min Scan# 1195
 Delta R.T. 0.006 min
 Lab File: VX039186.D
 Acq: 13 Dec 2023 12:29

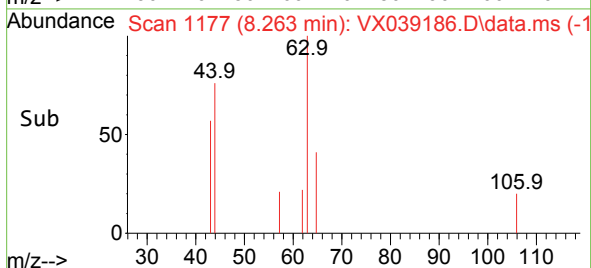
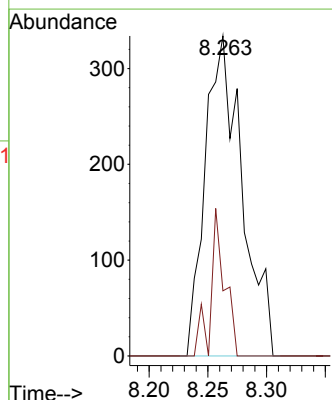
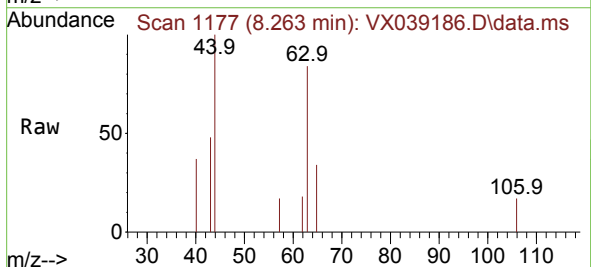
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

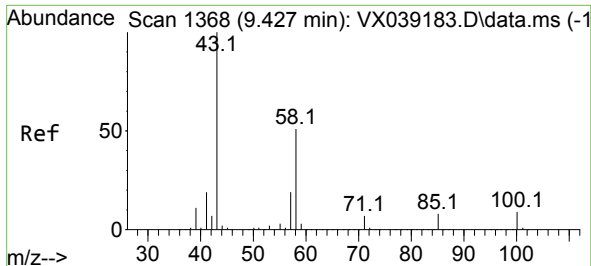
Tgt Ion: 75 Resp: 590
 Ion Ratio Lower Upper
 75 100
 77 37.5 25.3 37.9
 39 52.0 46.7 70.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.589 ug/l
 RT: 8.263 min Scan# 1177
 Delta R.T. 0.025 min
 Lab File: VX039186.D
 Acq: 13 Dec 2023 12:29

Tgt Ion: 63 Resp: 729
 Ion Ratio Lower Upper
 63 100
 106 17.4 22.5 33.7#





#59

2-Hexanone

Concen: 0.561 ug/l

RT: 9.439 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

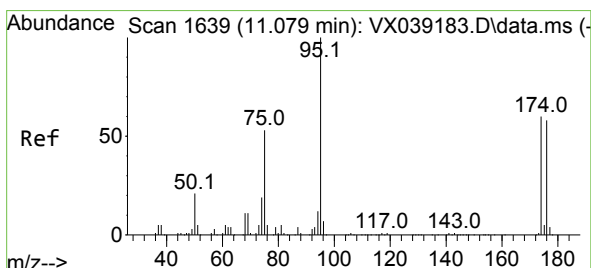
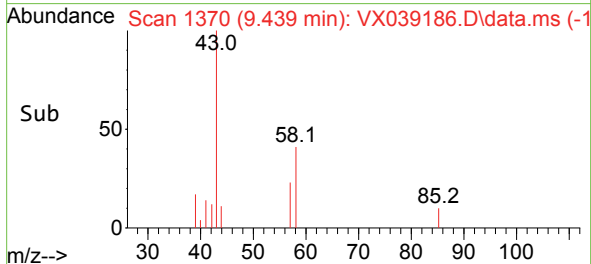
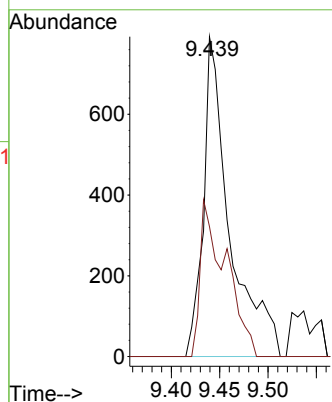
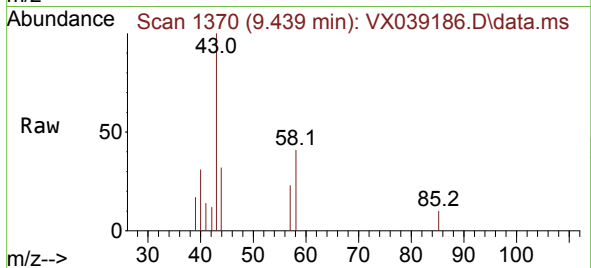
IBLK

Tgt Ion: 43 Resp: 1499

Ion Ratio Lower Upper

43 100

58 47.9 26.2 78.5



#62

4-Bromofluorobenzene

Concen: 54.897 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

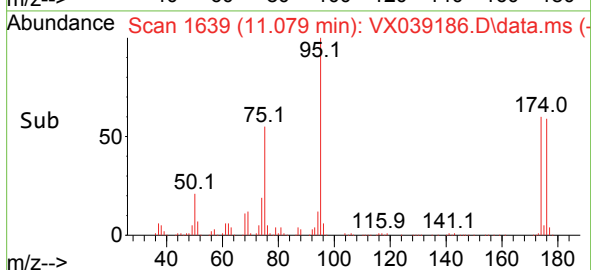
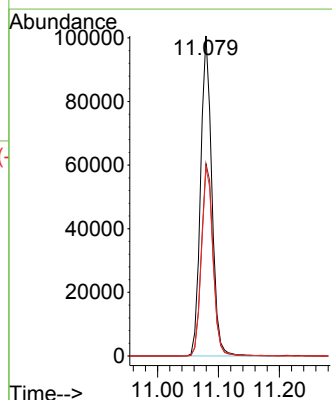
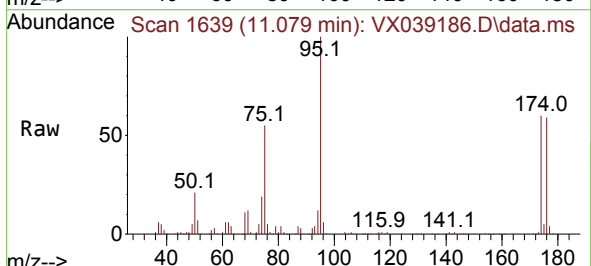
Tgt Ion: 95 Resp: 128977

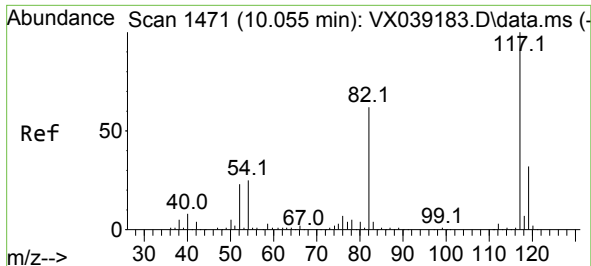
Ion Ratio Lower Upper

95 100

174 62.2 0.0 135.6

176 60.4 0.0 131.0

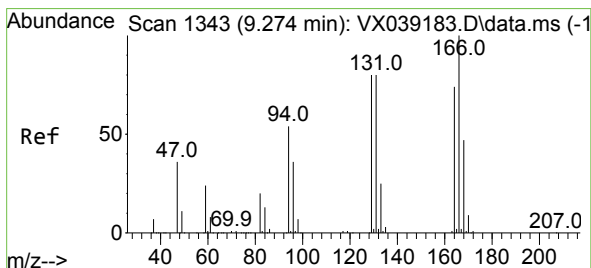
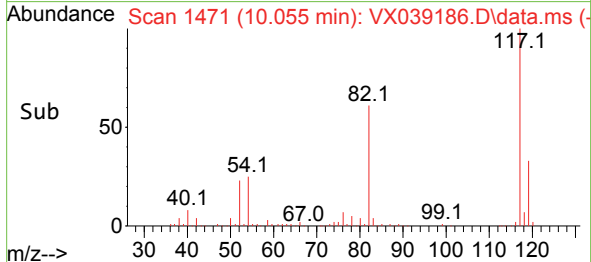
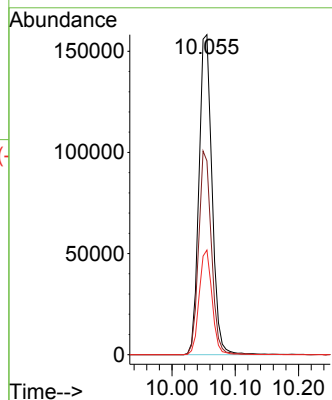
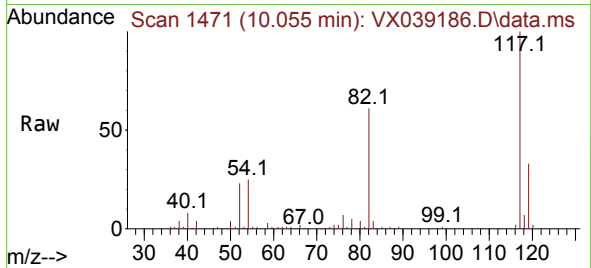




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

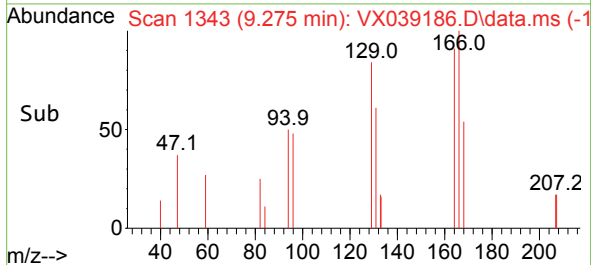
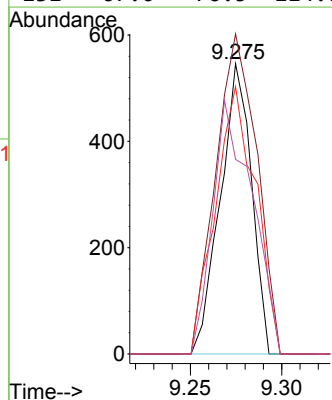
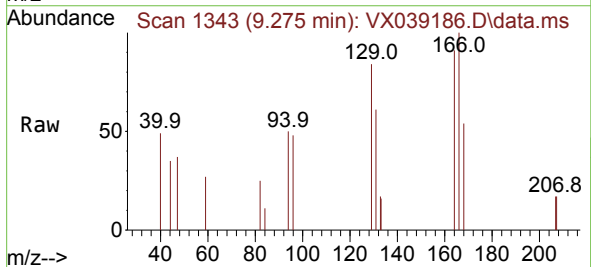
Instrument :
MSVOA_X
ClientSampleId :
IBLK

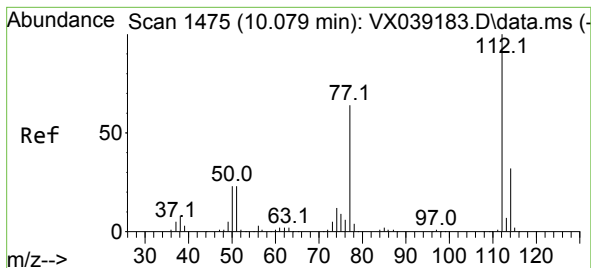
Tgt Ion:117 Resp: 227877
Ion Ratio Lower Upper
117 100
82 60.6 46.2 69.4
119 32.7 25.5 38.3



#64
Tetrachloroethene
Concen: 0.435 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

Tgt Ion:164 Resp: 648
Ion Ratio Lower Upper
164 100
166 110.3 102.7 154.1
129 92.1 80.4 120.6
131 67.0 76.5 114.7#





#65

Chlorobenzene

Concen: 0.331 ug/l

RT: 10.073 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

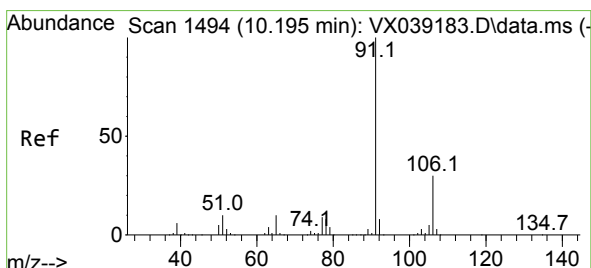
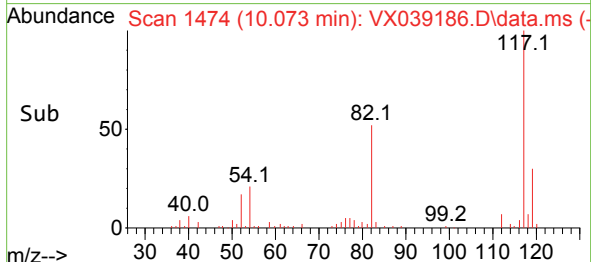
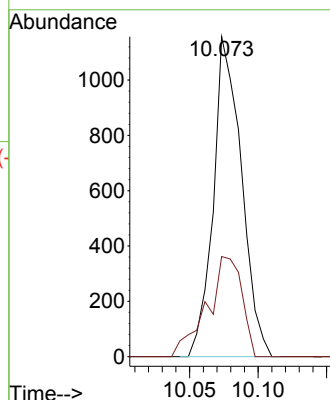
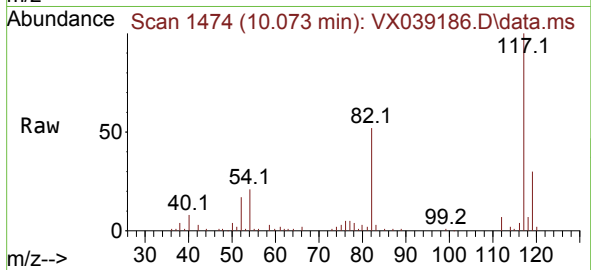
IBLK

Tgt Ion:112 Resp: 1647

Ion Ratio Lower Upper

112 100

114 31.3 25.7 38.5



#67

Ethyl Benzene

Concen: 0.307 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX039186.D

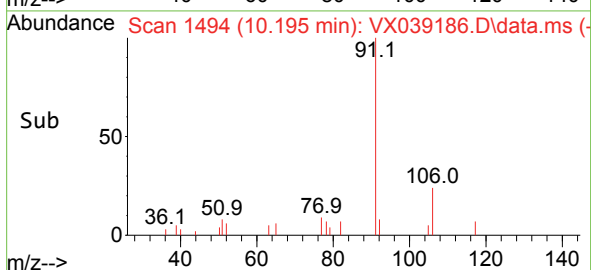
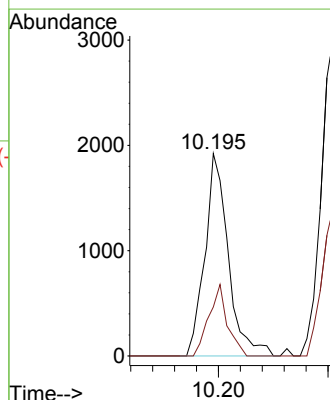
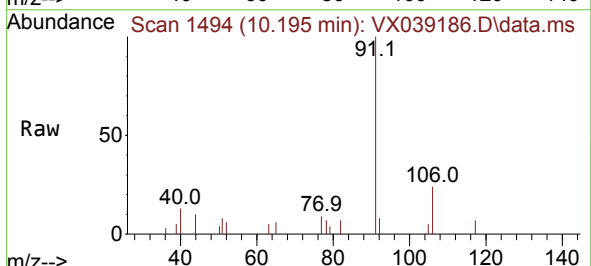
Acq: 13 Dec 2023 12:29

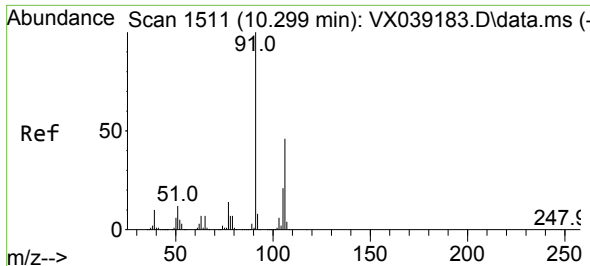
Tgt Ion: 91 Resp: 2844

Ion Ratio Lower Upper

91 100

106 24.2 24.9 37.3#

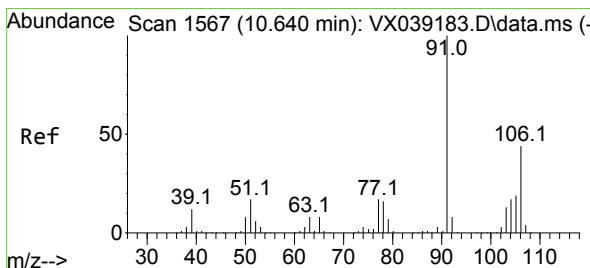
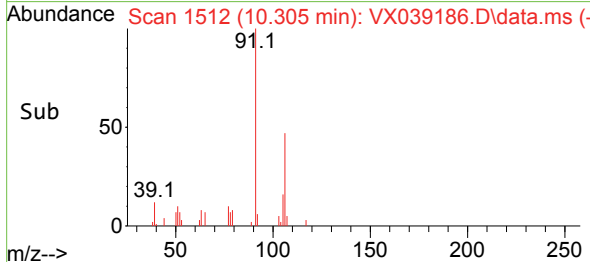
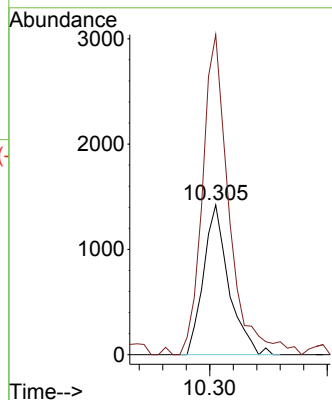
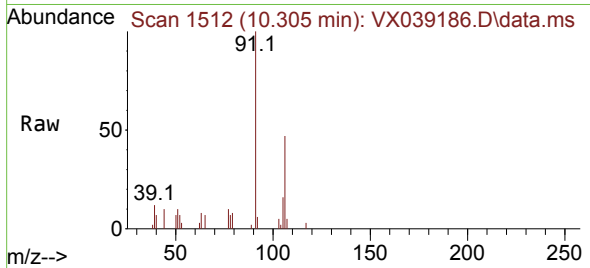




#68
m/p-Xylenes
Concen: 0.638 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

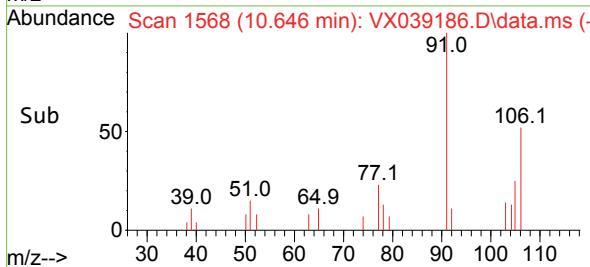
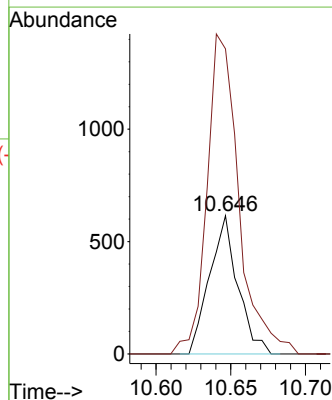
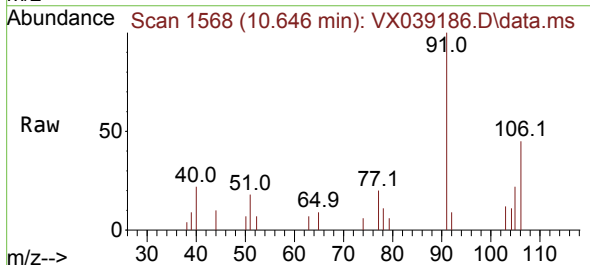
Instrument :
MSVOA_X
ClientSampleId :
IBLK

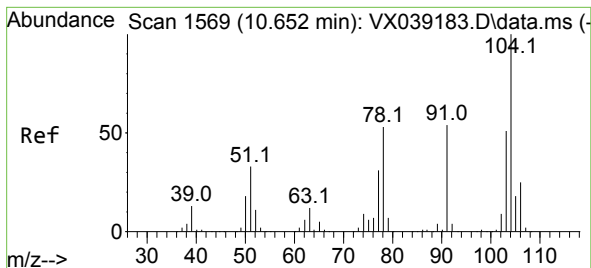
Tgt Ion:106 Resp: 2118
Ion Ratio Lower Upper
106 100
91 224.5 165.5 248.3



#69
o-Xylene
Concen: 0.252 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

Tgt Ion:106 Resp: 808
Ion Ratio Lower Upper
106 100
91 260.9 108.9 326.8





#70

Styrene

Concen: 0.310 ug/l

RT: 10.659 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

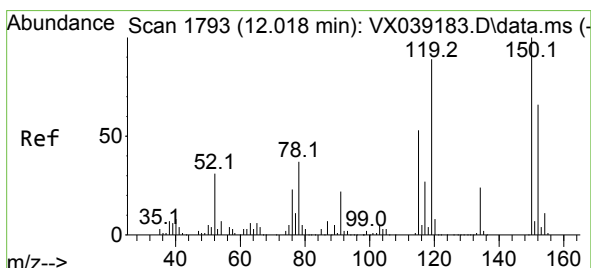
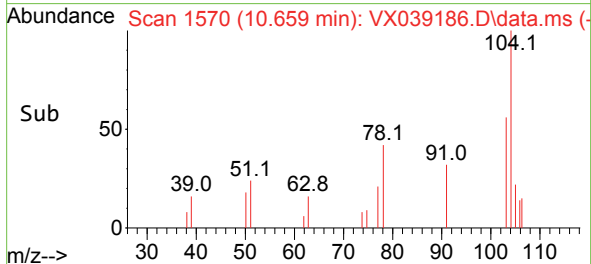
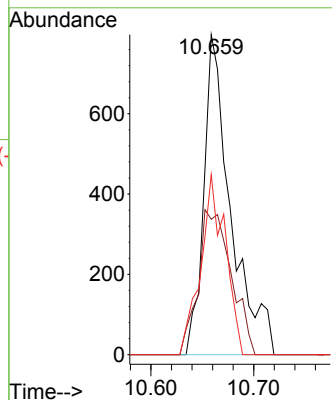
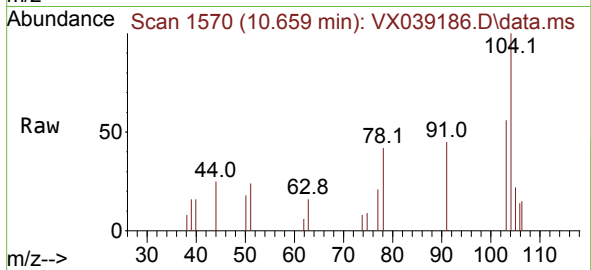
Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion:104	Resp:	1456
Ion Ratio	Lower	Upper
104	100	
78	55.2	43.6 65.4
103	51.4	43.6 65.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

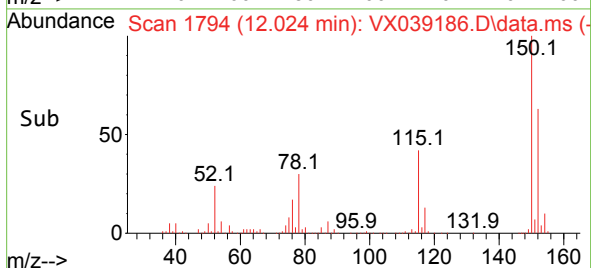
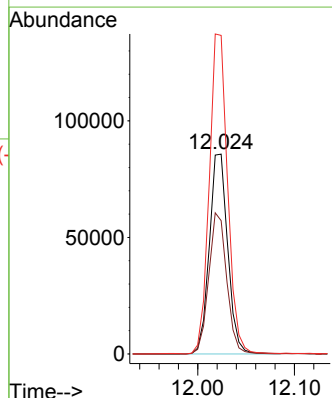
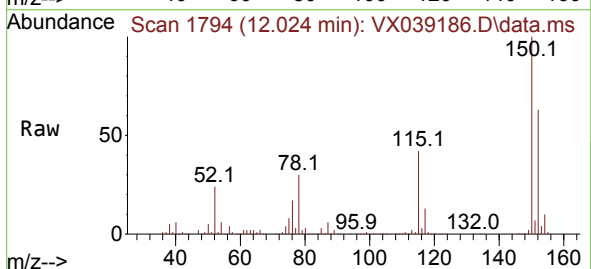
RT: 12.024 min Scan# 1794

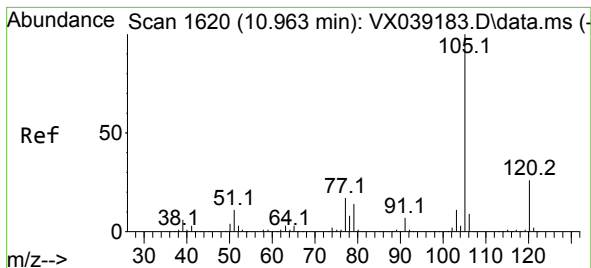
Delta R.T. 0.006 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

Tgt Ion:152	Resp:	113871
Ion Ratio	Lower	Upper
152	100	
115	68.9	43.3 129.9
150	159.5	0.0 345.0





#73

Isopropylbenzene

Concen: 0.304 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

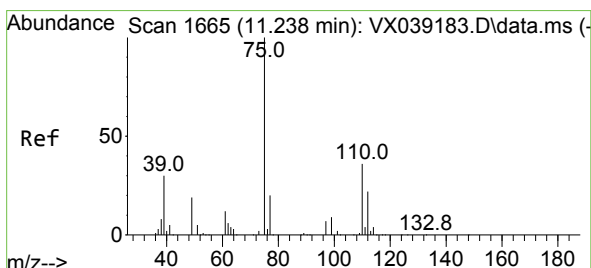
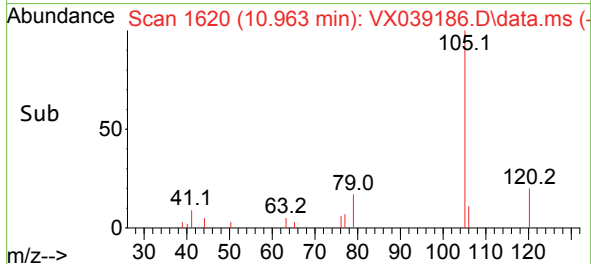
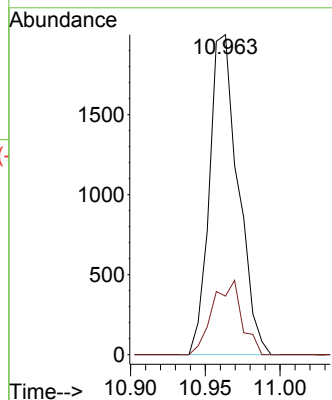
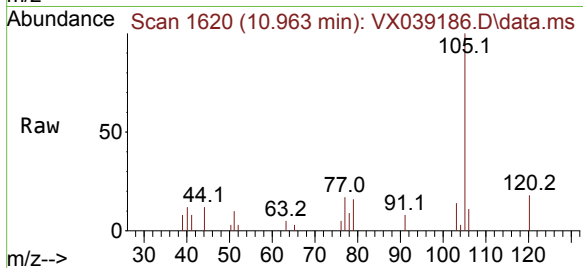
IBLK

Tgt Ion:105 Resp: 2673

Ion Ratio Lower Upper

105 100

120 23.5 12.9 38.6



#76

1,2,3-Trichloropropane

Concen: 24.160 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039186.D

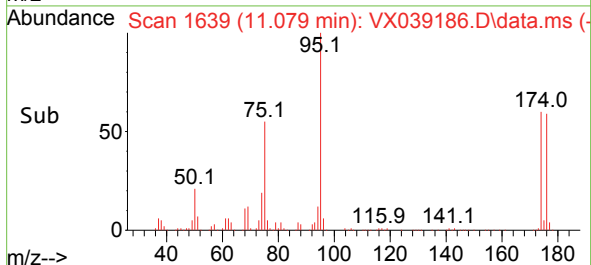
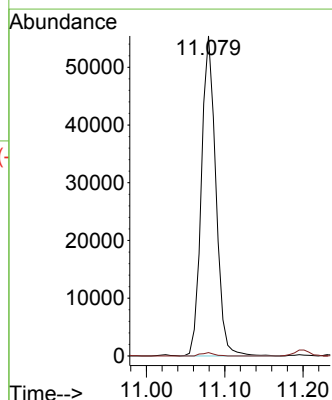
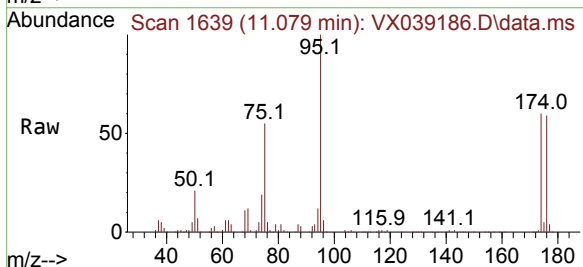
Acq: 13 Dec 2023 12:29

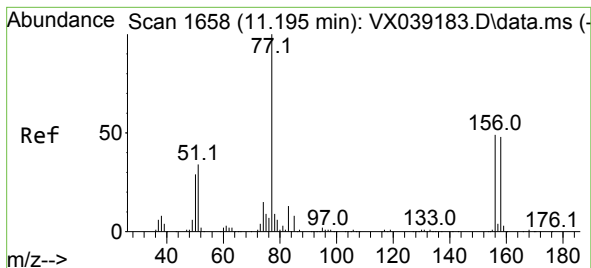
Tgt Ion: 75 Resp: 71175

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#





#77

Bromobenzene

Concen: 0.450 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.006 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

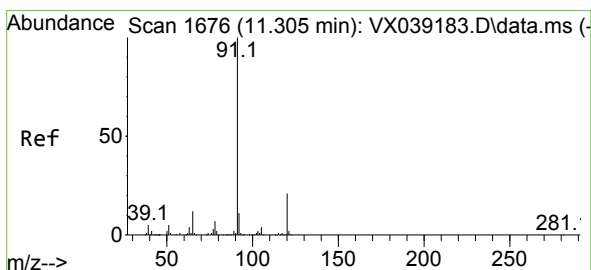
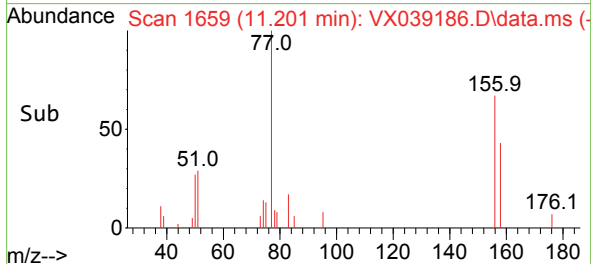
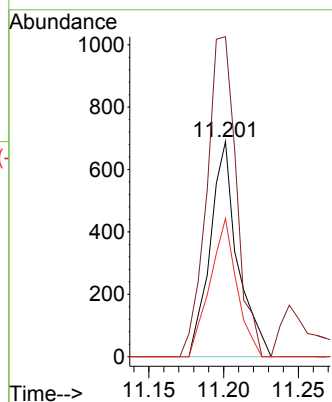
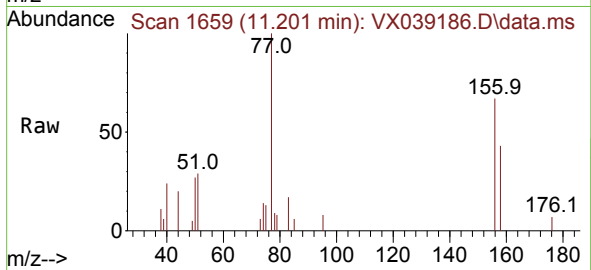
Tgt Ion:156 Resp: 875

Ion Ratio Lower Upper

156 100

77 162.2 88.4 265.3

158 63.1 48.0 144.0



#78

n-propylbenzene

Concen: 0.399 ug/l

RT: 11.311 min Scan# 1677

Delta R.T. 0.006 min

Lab File: VX039186.D

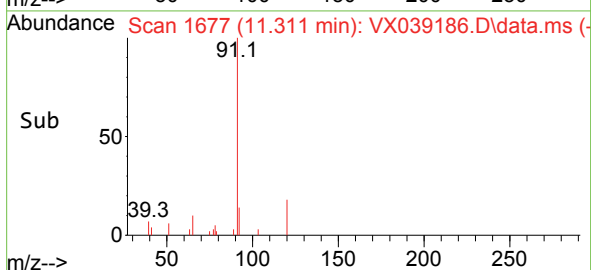
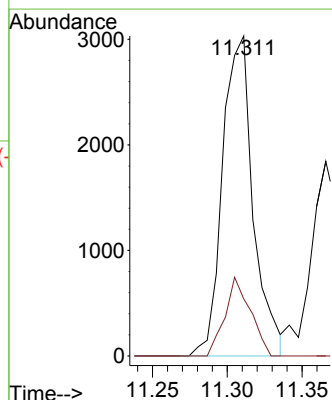
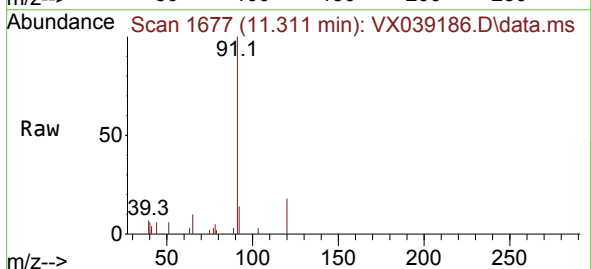
Acq: 13 Dec 2023 12:29

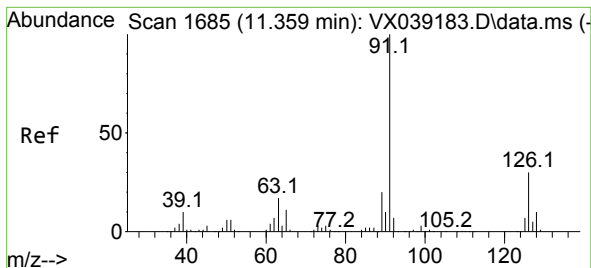
Tgt Ion: 91 Resp: 4314

Ion Ratio Lower Upper

91 100

120 20.4 11.5 34.4





#79

2-Chlorotoluene

Concen: 0.405 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

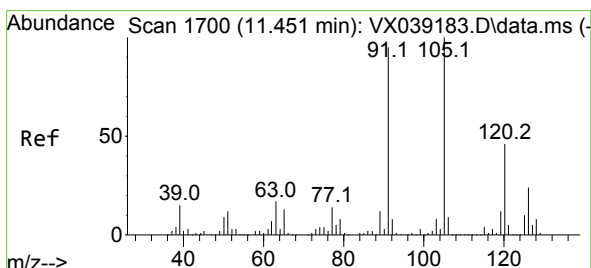
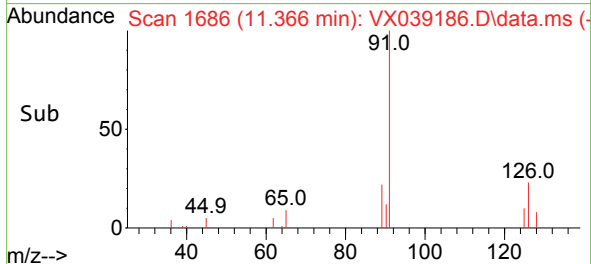
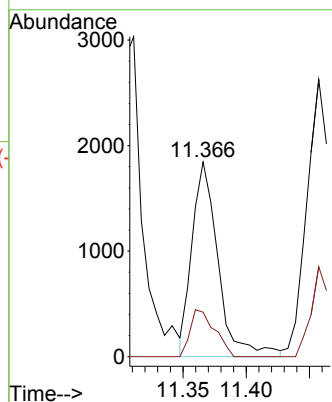
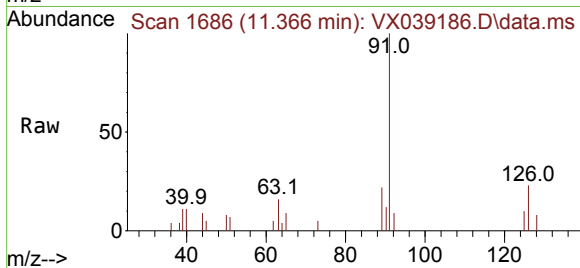
IBLK

Tgt Ion: 91 Resp: 2649

Ion Ratio Lower Upper

91 100

126 22.6 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 0.356 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX039186.D

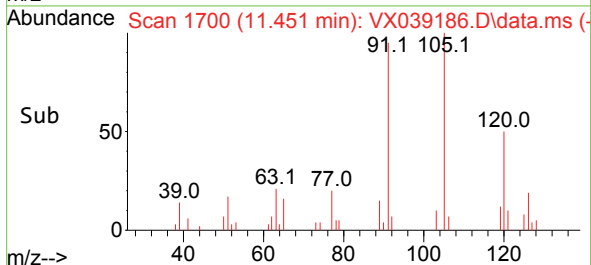
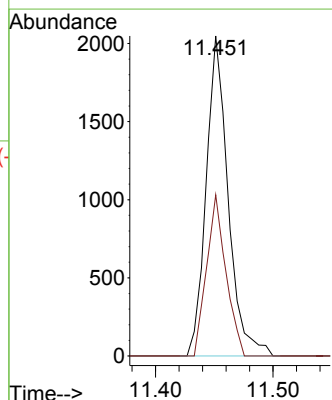
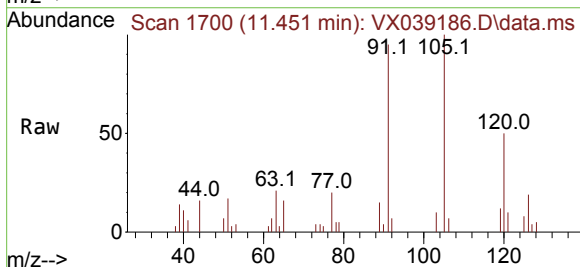
Acq: 13 Dec 2023 12:29

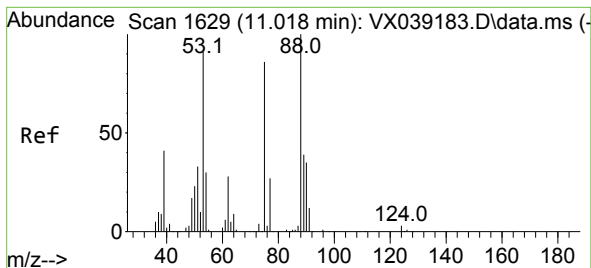
Tgt Ion: 105 Resp: 2662

Ion Ratio Lower Upper

105 100

120 44.1 24.1 72.3

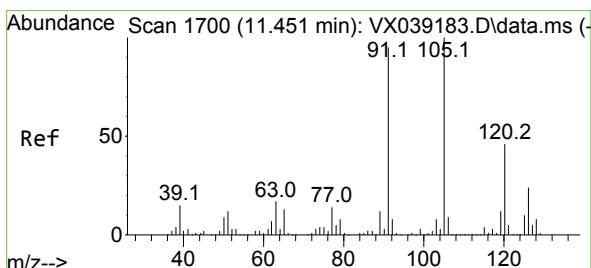
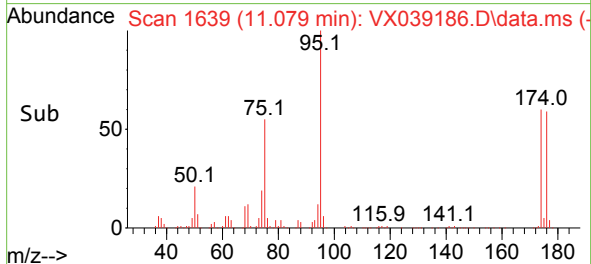
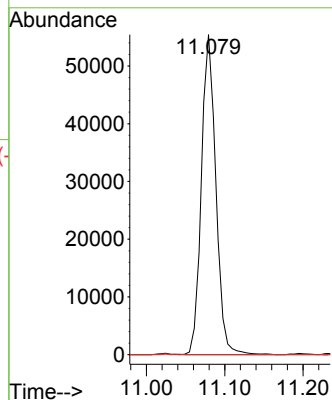
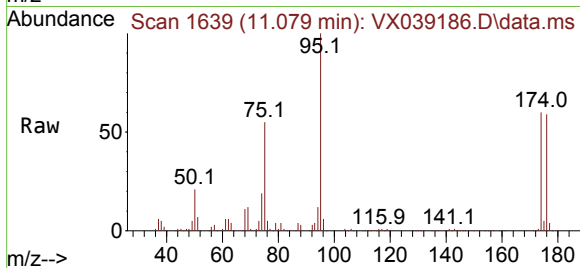




#81
trans-1,4-Dichloro-2-butene
Concen: 68.154 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

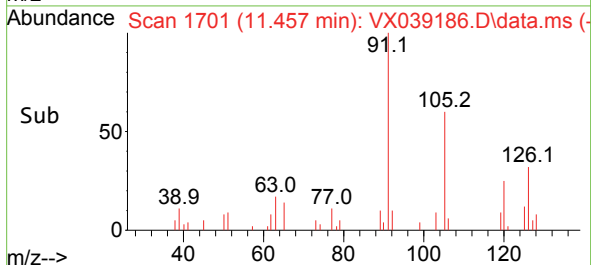
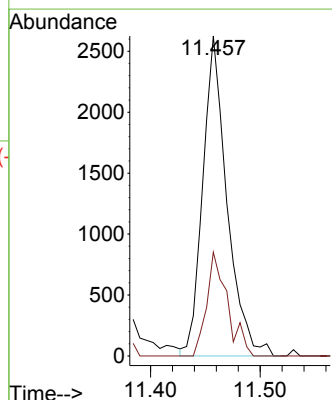
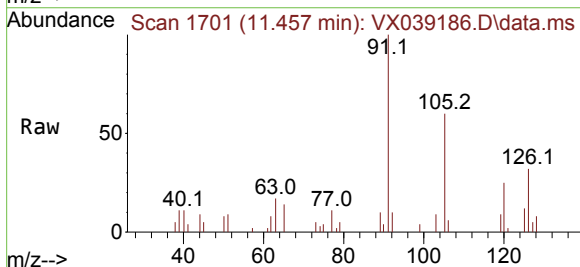
Instrument :
MSVOA_X
ClientSampleId :
IBLK

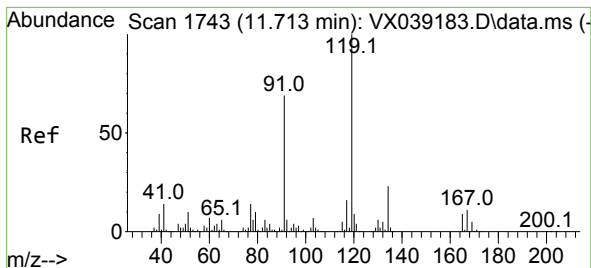
Tgt Ion: 75 Resp: 71175
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.524 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX039186.D
Acq: 13 Dec 2023 12:29

Tgt Ion: 91 Resp: 4028
Ion Ratio Lower Upper
91 100
126 27.8 14.2 42.6





#83

tert-Butylbenzene

Concen: 0.275 ug/l

RT: 11.719 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

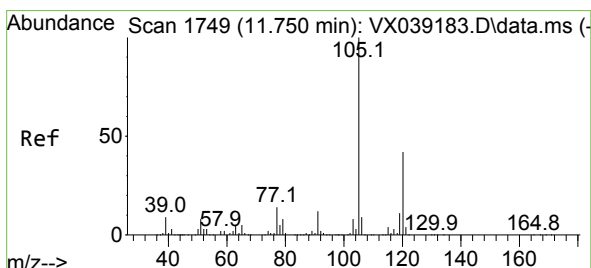
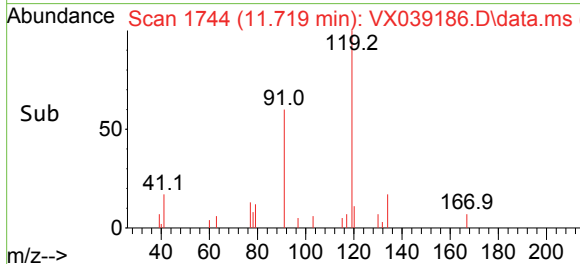
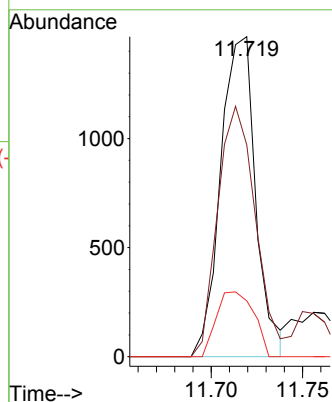
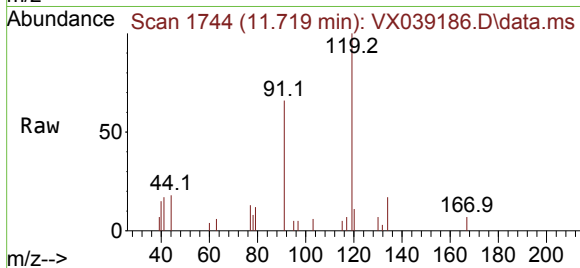
Tgt Ion:119 Resp: 1958

Ion Ratio Lower Upper

119 100

91 83.9 31.2 93.6

134 21.6 11.7 35.0



#84

1,2,4-Trimethylbenzene

Concen: 0.373 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX039186.D

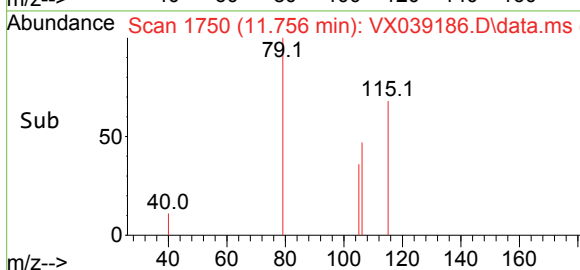
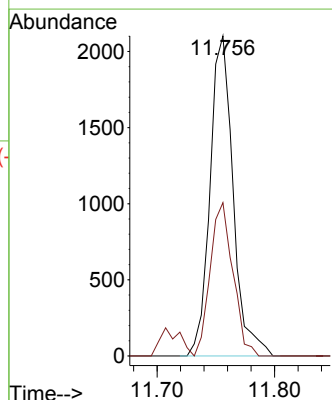
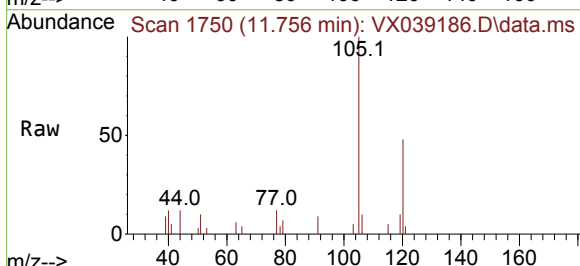
Acq: 13 Dec 2023 12:29

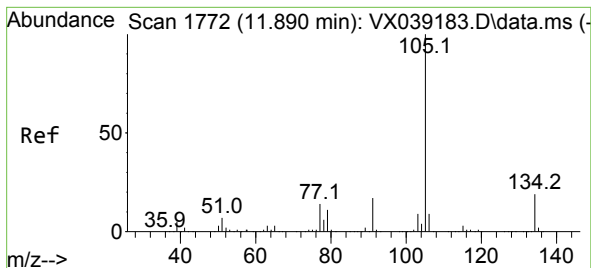
Tgt Ion:105 Resp: 2866

Ion Ratio Lower Upper

105 100

120 47.1 21.2 63.6





#85

sec-Butylbenzene

Concen: 0.403 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

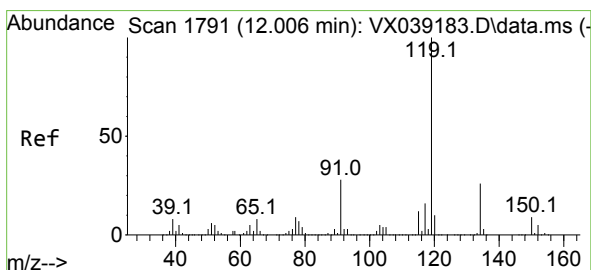
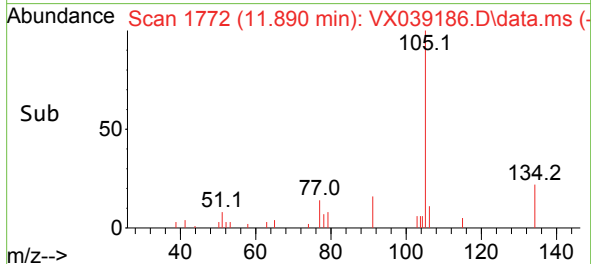
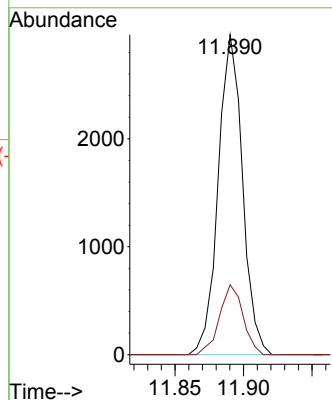
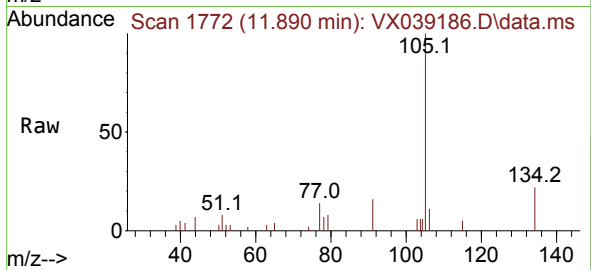
IBLK

Tgt Ion:105 Resp: 3649

Ion Ratio Lower Upper

105 100

134 21.2 9.8 29.4



#86

p-Isopropyltoluene

Concen: 0.424 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

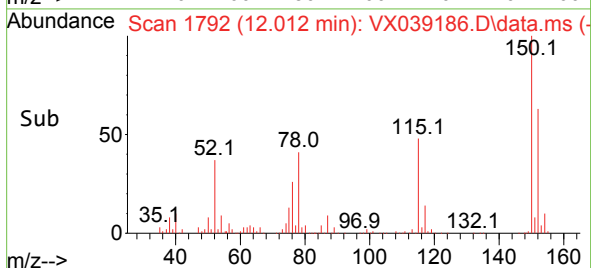
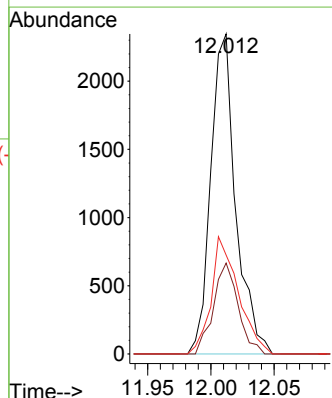
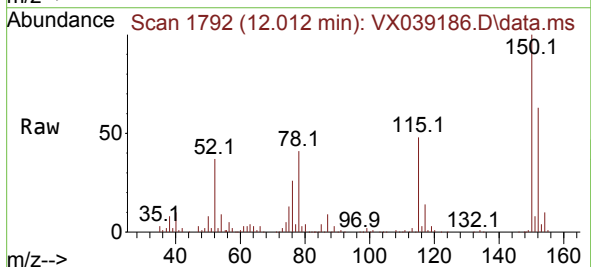
Tgt Ion:119 Resp: 3226

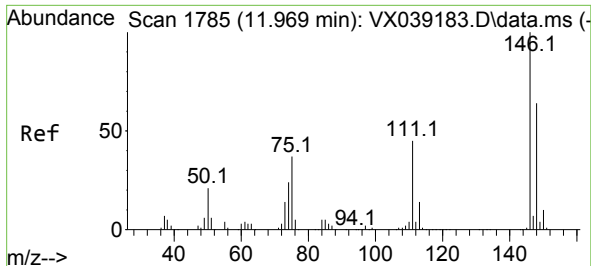
Ion Ratio Lower Upper

119 100

134 28.1 12.8 38.3

91 39.7 13.1 39.3#





#87

1,3-Dichlorobenzene

Concen: 0.598 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

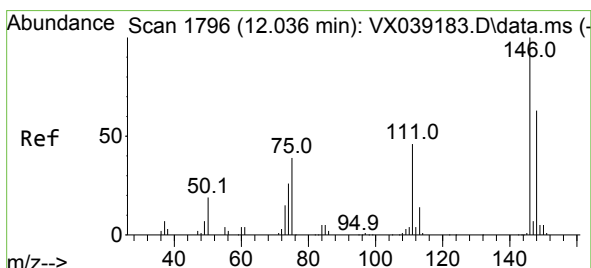
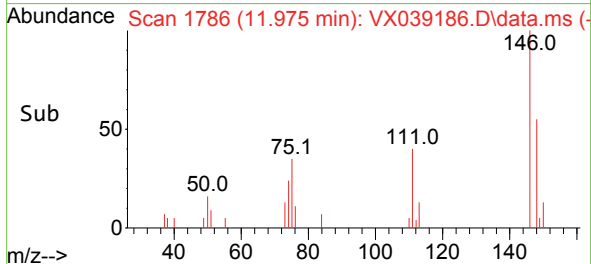
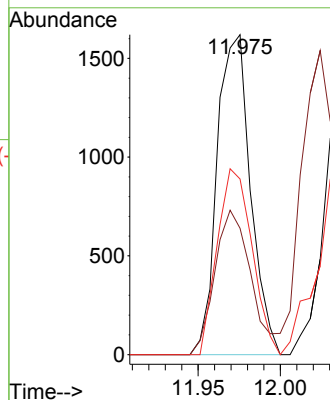
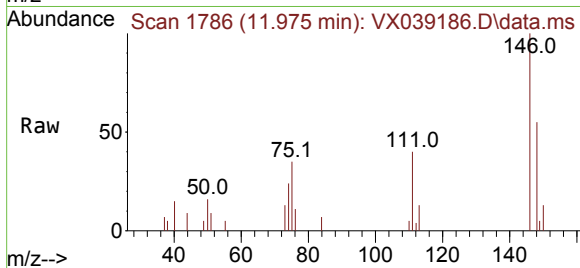
Tgt Ion:146 Resp: 2282

Ion Ratio Lower Upper

146 100

111 48.0 22.1 66.1

148 60.6 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.574 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.061 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

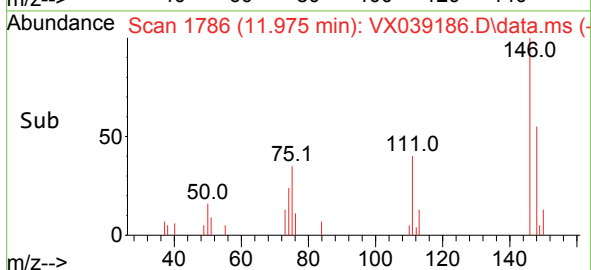
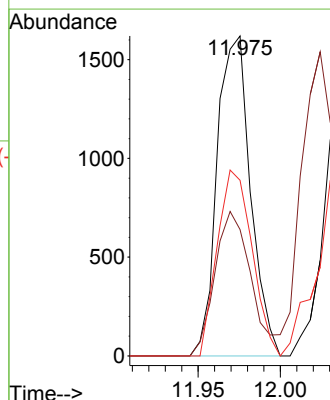
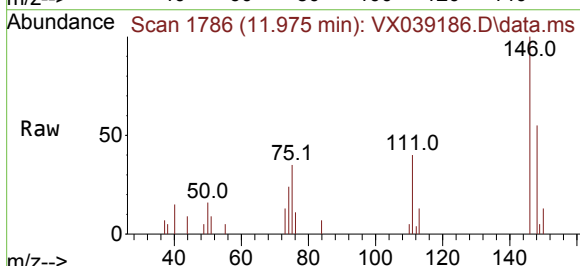
Tgt Ion:146 Resp: 2282

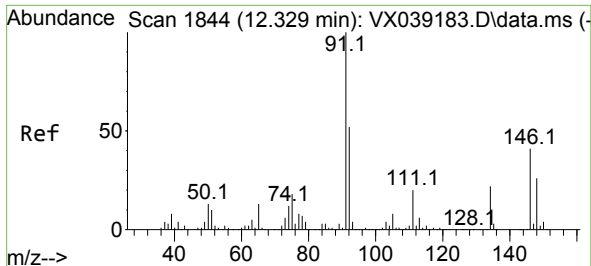
Ion Ratio Lower Upper

146 100

111 48.0 21.3 63.7

148 60.6 31.8 95.4





#89

n-Butylbenzene

Concen: 0.701 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

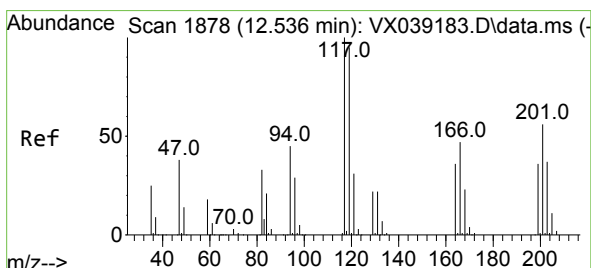
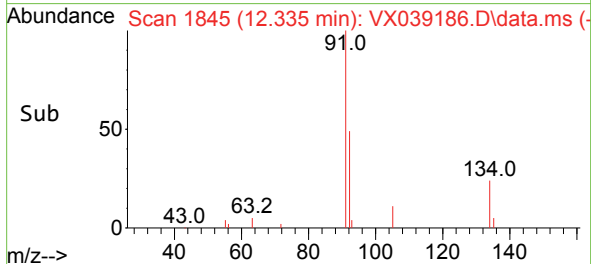
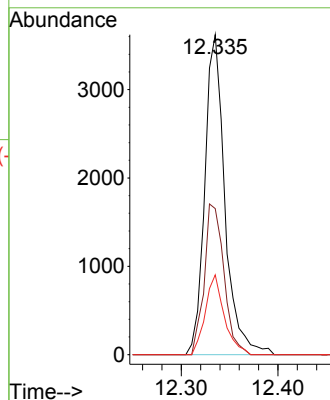
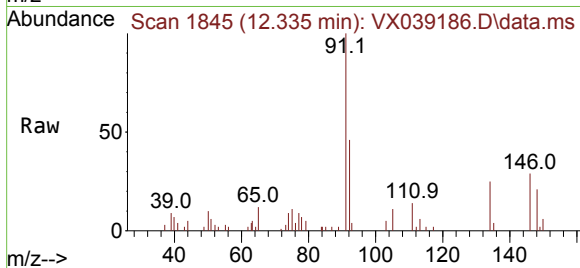
Tgt Ion: 91 Resp: 5245

Ion Ratio Lower Upper

91 100

92 46.1 27.4 82.0

134 23.6 12.6 37.8



#90

Hexachloroethane

Concen: 0.208 ug/l

RT: 12.542 min Scan# 1879

Delta R.T. 0.006 min

Lab File: VX039186.D

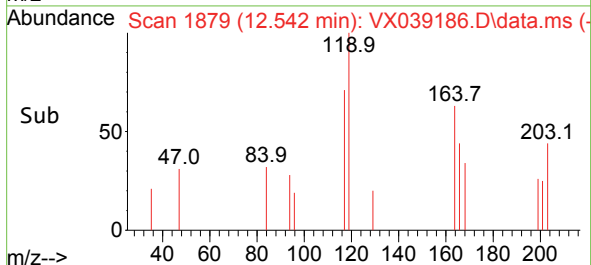
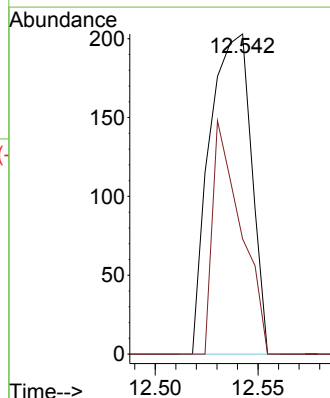
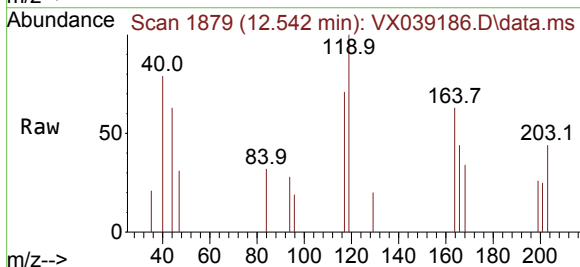
Acq: 13 Dec 2023 12:29

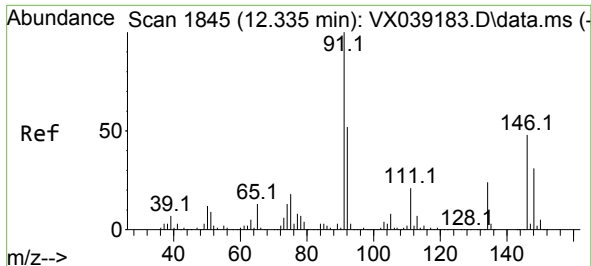
Tgt Ion: 117 Resp: 286

Ion Ratio Lower Upper

117 100

201 49.7 32.9 98.6





#91

1,2-Dichlorobenzene

Concen: 0.436 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

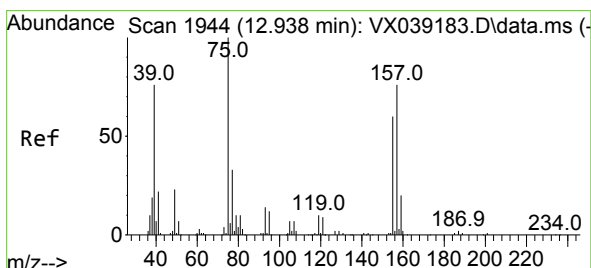
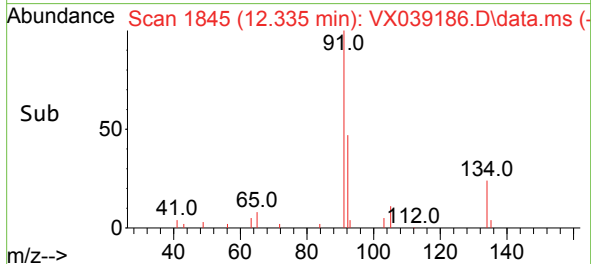
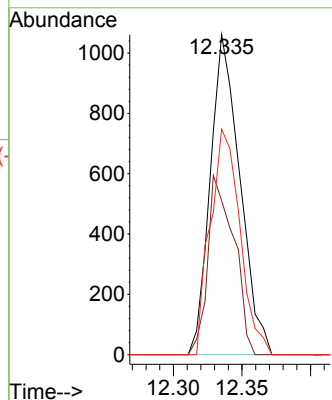
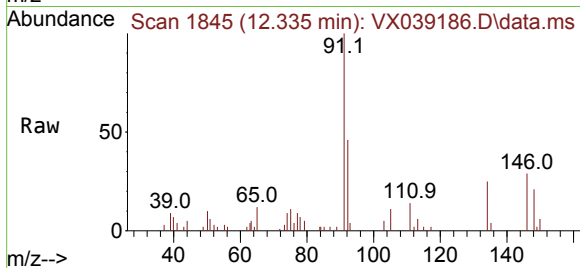
Tgt Ion:146 Resp: 1594

Ion Ratio Lower Upper

146 100

111 49.7 22.4 67.0

148 70.8 31.6 95.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.238 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. 0.000 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

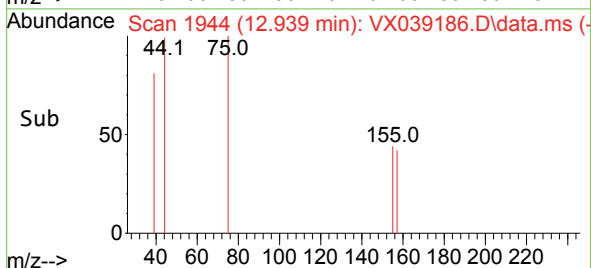
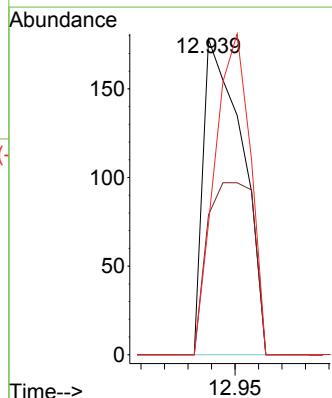
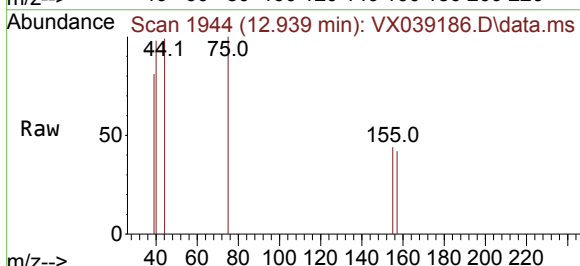
Tgt Ion: 75 Resp: 205

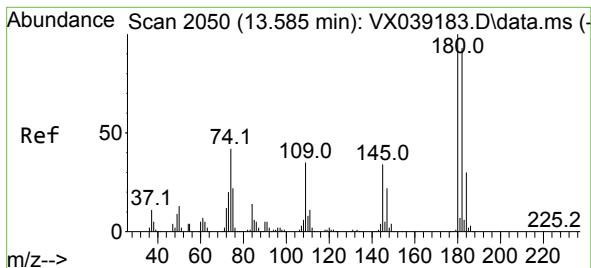
Ion Ratio Lower Upper

75 100

155 65.4 36.1 108.5

157 92.7 44.9 134.7





#93

1,2,4-Trichlorobenzene

Concen: 1.316 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

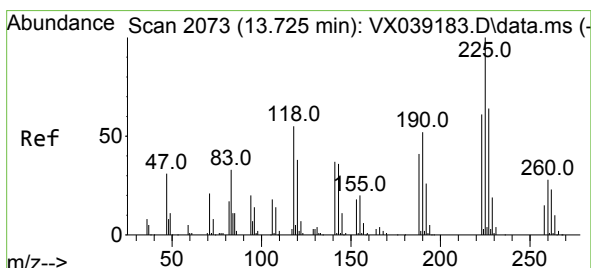
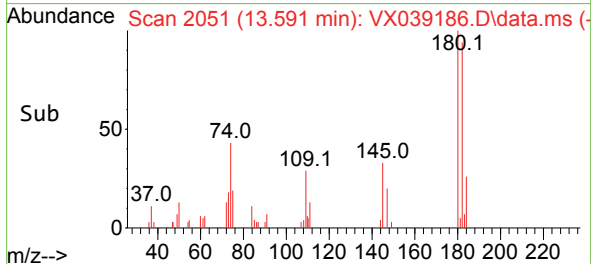
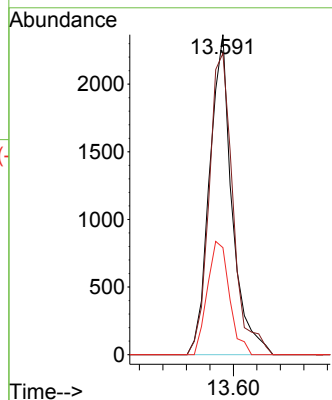
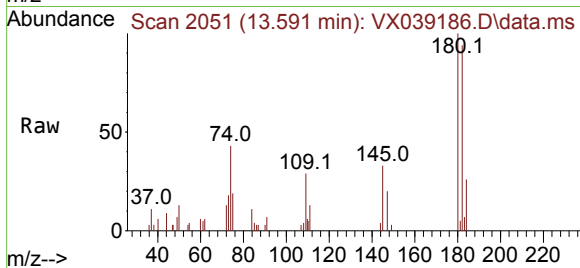
Tgt Ion:180 Resp: 3148

Ion Ratio Lower Upper

180 100

182 99.9 48.3 144.8

145 34.8 18.0 54.0



#94

Hexachlorobutadiene

Concen: 2.234 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

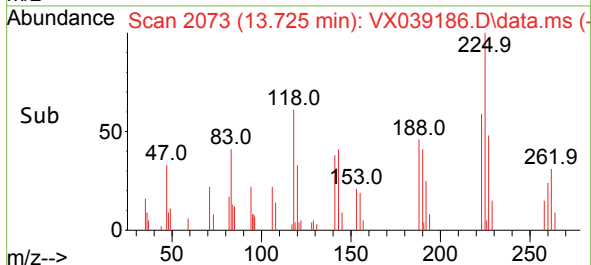
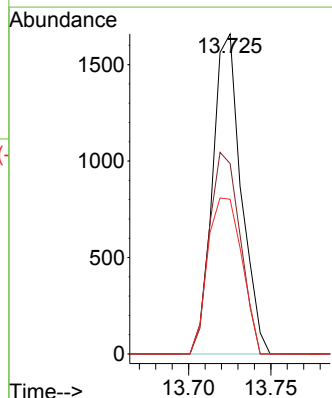
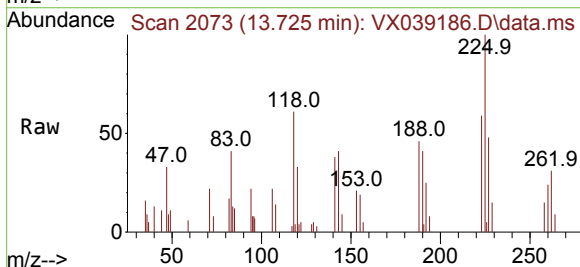
Tgt Ion:225 Resp: 2013

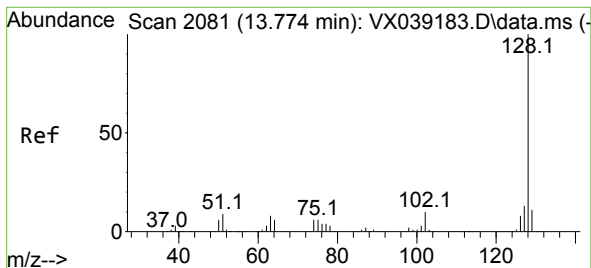
Ion Ratio Lower Upper

225 100

223 67.3 31.1 93.2

227 58.1 32.5 97.5





#95

Naphthalene

Concen: 1.351 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

Instrument :

MSVOA_X

ClientSampleId :

IBLK

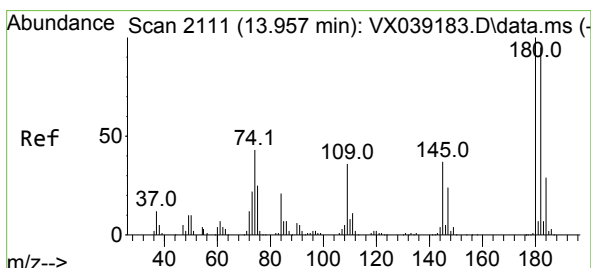
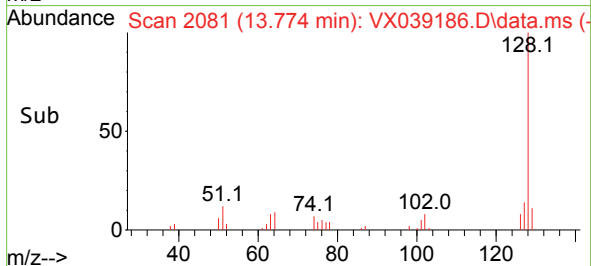
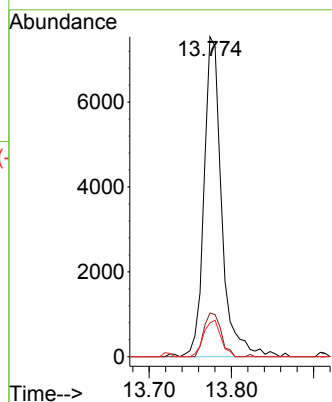
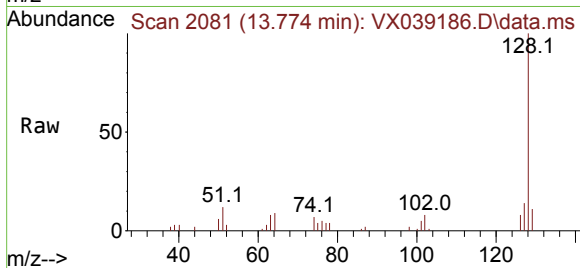
Tgt Ion:128 Resp: 11254

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

129 11.2 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 1.239 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX039186.D

Acq: 13 Dec 2023 12:29

Tgt Ion:180 Resp: 2861

Ion Ratio Lower Upper

180 100

182 102.6 46.9 140.6

145 38.9 17.8 53.5

