

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022224\
 Data File : VX040417.D
 Acq On : 22 Feb 2024 23:51
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Feb 23 06:34:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022224W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 23 06:27:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	74555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	129479	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	123220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	57954	47.731	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.460%
35) Dibromofluoromethane	5.385	113	43426	49.770	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.540%
50) Toluene-d8	8.647	98	158265	50.216	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.440%
62) 4-Bromofluorobenzene	11.079	95	61707	48.861	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	548	0.610	ug/l	87
3) Chloromethane	1.301	50	229	0.225	ug/l #	43
4) Vinyl Chloride	1.374	62	455	0.449	ug/l #	87
5) Bromomethane	1.618	94	388	0.651	ug/l	87
7) Trichlorofluoromethane	1.892	101	815	0.504	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.331	101	609	0.713	ug/l #	75
10) Methyl Iodide	2.453	142	370	0.372	ug/l #	87
11) Tert butyl alcohol	2.947	59	711	3.029	ug/l #	78
12) 1,1-Dichloroethene	2.325	96	388	0.471	ug/l #	74
13) Acrolein	2.239	56	446	1.588	ug/l #	66
14) Allyl chloride	2.672	41	534	0.351	ug/l #	79
15) Acrylonitrile	3.069	53	1222	2.221	ug/l	95
16) Acetone	2.380	43	901	1.781	ug/l	100
17) Carbon Disulfide	2.514	76	5225	2.307	ug/l	99
18) Methyl Acetate	2.703	43	299	0.228	ug/l	99
20) Methylene Chloride	2.794	84	462	0.436	ug/l #	66
21) trans-1,2-Dichloroethene	3.093	96	888	0.955	ug/l #	85
23) Vinyl Acetate	3.739	43	1150	0.419	ug/l #	73
25) 2-Butanone	4.580	43	830	1.052	ug/l #	74
27) cis-1,2-Dichloroethene	4.489	96	330	0.319	ug/l	49
29) Tetrahydrofuran	5.032	42	562	1.070	ug/l #	58
31) Cyclohexane	5.464	56	723	0.497	ug/l #	49
36) 1,1-Dichloropropene	5.696	75	909	0.673	ug/l #	77
38) Carbon Tetrachloride	5.672	117	269	0.215	ug/l #	80
39) Methylcyclohexane	7.385	83	921	0.644	ug/l #	79
40) Benzene	6.044	78	1000	0.272	ug/l #	90
41) Methacrylonitrile	5.026	41	233	0.284	ug/l #	50
44) Trichloroethene	7.135	130	658	0.685	ug/l	89
46) Dibromomethane	7.598	93	214	0.291	ug/l	91
49) 1,4-Dioxane	7.671	88	248	10.495	ug/l #	63
51) 4-Methyl-2-Pentanone	8.580	43	1068	0.664	ug/l #	73
52) Toluene	8.720	92	833	0.370	ug/l	81
53) t-1,3-Dichloropropene	8.988	75	564	0.409	ug/l #	43
54) cis-1,3-Dichloropropene	8.372	75	433	0.295	ug/l #	65
58) 2-Chloroethyl Vinyl ether	8.251	63	460	0.623	ug/l #	54
59) 2-Hexanone	9.439	43	1438	1.160	ug/l	79

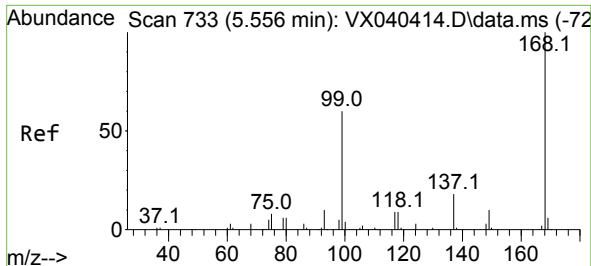
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022224\
 Data File : VX040417.D
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Quant Time: Feb 23 06:34:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022224W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 23 06:27:42 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Dibromochloromethane	9.275	129	564	0.584	ug/l #	11
61) 1,2-Dibromoethane	9.616	107	274	0.264	ug/l	95
64) Tetrachloroethene	9.275	164	681	0.755	ug/l #	85
65) Chlorobenzene	10.079	112	1320	0.532	ug/l	89
67) Ethyl Benzene	10.195	91	2064	0.443	ug/l #	86
68) m/p-Xylenes	10.299	106	1605	0.946	ug/l	85
69) o-Xylene	10.646	106	635	0.378	ug/l	90
70) Styrene	10.659	104	1090	0.394	ug/l	95
73) Isopropylbenzene	10.963	105	2105	0.500	ug/l	93
74) N-amyl acetate	10.842	43	519	0.266	ug/l #	71
76) 1,2,3-Trichloropropane	11.079	75	34549	26.110	ug/l #	39
77) Bromobenzene	11.201	156	568	0.552	ug/l	95
78) n-propylbenzene	11.305	91	3755	0.722	ug/l	96
79) 2-Chlorotoluene	11.372	91	1938	0.624	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	2009	0.562	ug/l	91
81) trans-1,4-Dichloro-2-b...	11.079	75	34549	90.852	ug/l #	5
82) 4-Chlorotoluene	11.457	91	2809	0.772	ug/l	94
83) tert-Butylbenzene	11.713	119	1745	0.518	ug/l	85
84) 1,2,4-Trimethylbenzene	11.756	105	2295	0.636	ug/l	99
85) sec-Butylbenzene	11.890	105	2948	0.657	ug/l	95
86) p-Isopropyltoluene	12.012	119	2876	0.802	ug/l	91
87) 1,3-Dichlorobenzene	11.969	146	1851	0.941	ug/l	96
88) 1,4-Dichlorobenzene	11.969	146	1851	0.907	ug/l	95
89) n-Butylbenzene	12.335	91	4087	1.158	ug/l	96
90) Hexachloroethane	12.536	117	278	0.484	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	1450	0.762	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.951	75	184	0.536	ug/l #	45
93) 1,2,4-Trichlorobenzene	13.591	180	2469	2.015	ug/l	95
94) Hexachlorobutadiene	13.725	225	2040	4.598	ug/l	96
95) Naphthalene	13.780	128	8527	2.169	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	2321	1.968	ug/l	97

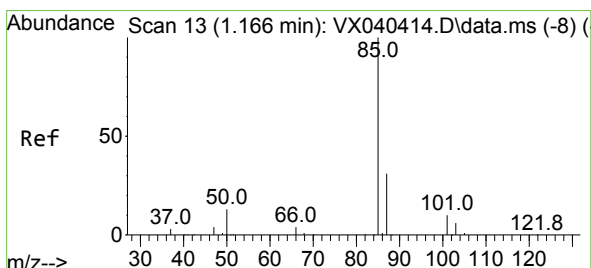
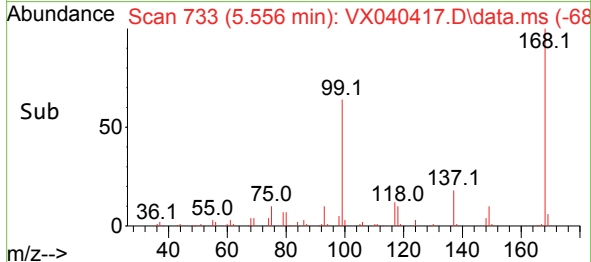
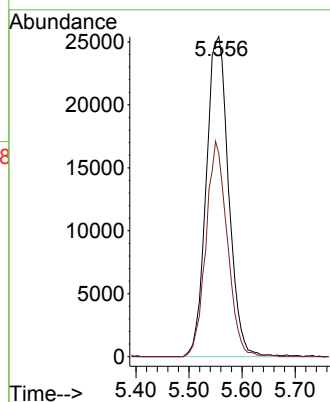
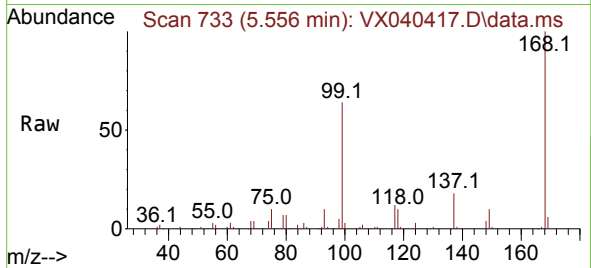
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

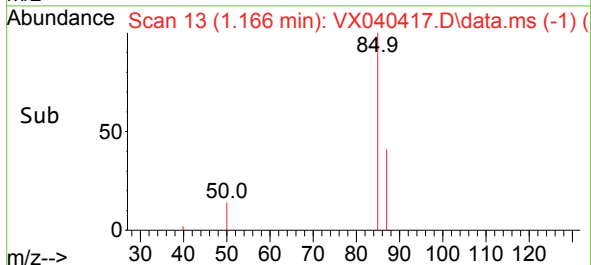
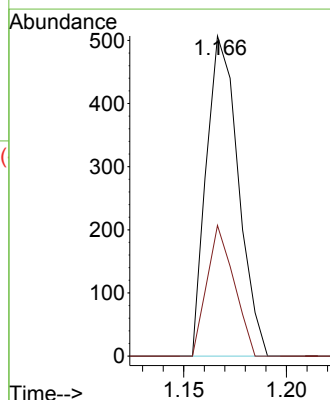
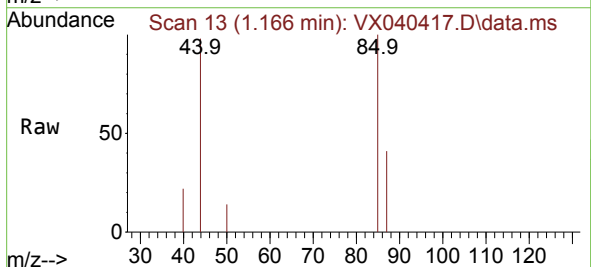
Instrument :
MSVOA_X
ClientSampleId :
IBLK

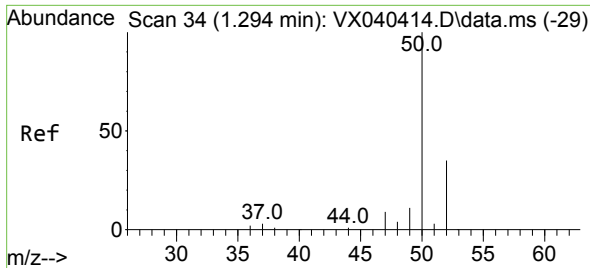
Tgt Ion:168 Resp: 74555
Ion Ratio Lower Upper
168 100
99 63.6 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.610 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

Tgt Ion: 85 Resp: 548
Ion Ratio Lower Upper
85 100
87 40.8 16.7 50.1

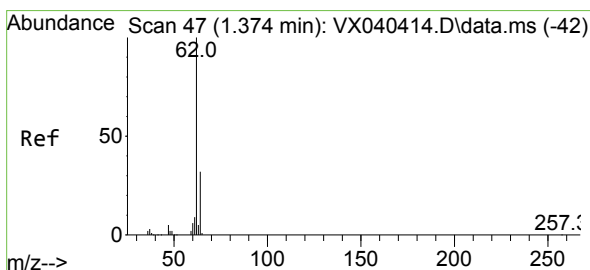
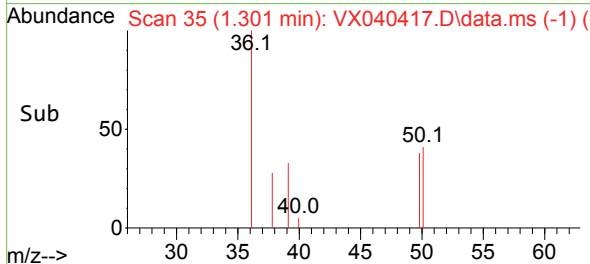
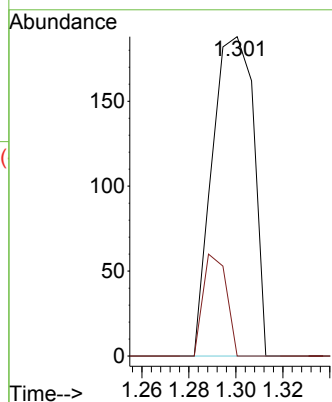
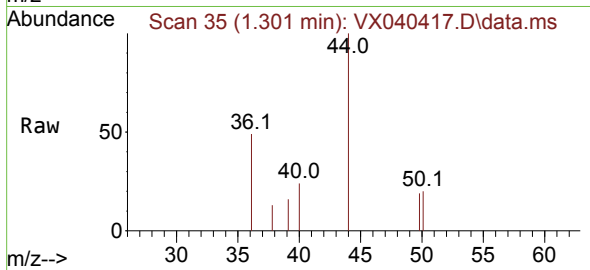




#3
Chloromethane
Concen: 0.225 ug/l
RT: 1.301 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

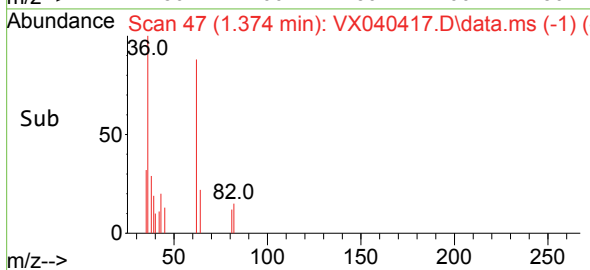
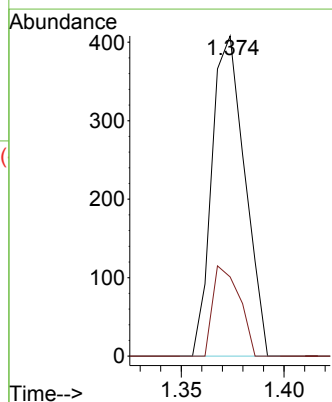
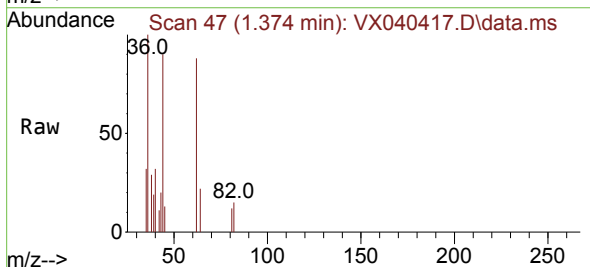
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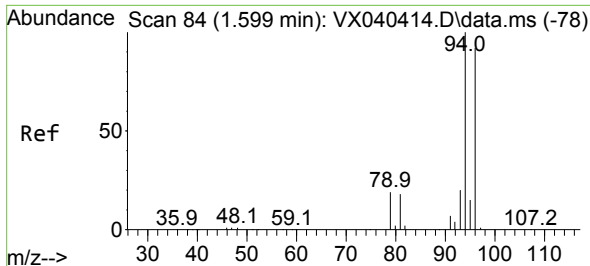
Tgt Ion: 50 Resp: 229
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#



#4
Vinyl Chloride
Concen: 0.449 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

Tgt Ion: 62 Resp: 455
Ion Ratio Lower Upper
62 100
64 24.8 25.4 38.0#

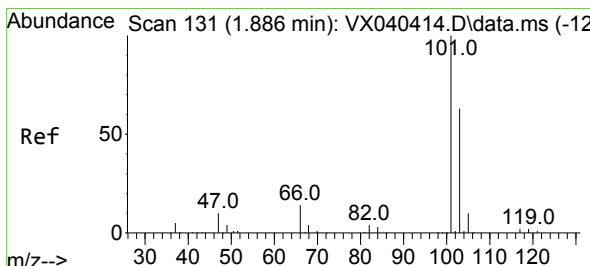
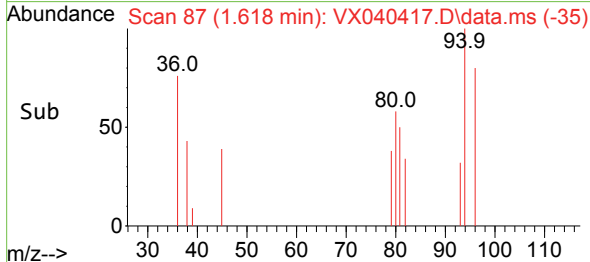
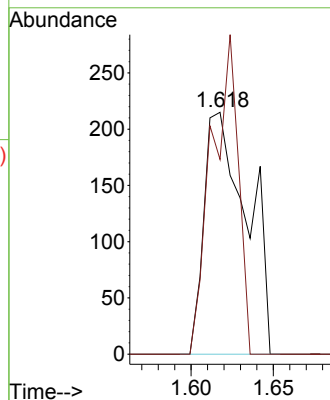
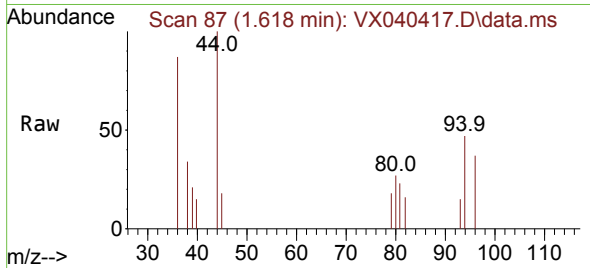




#5
Bromomethane
Concen: 0.651 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

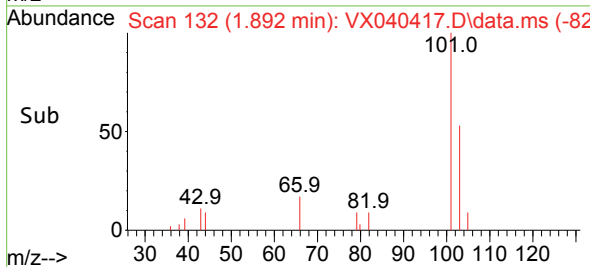
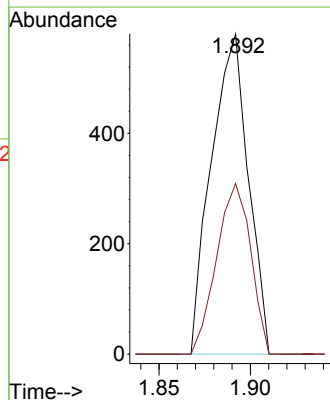
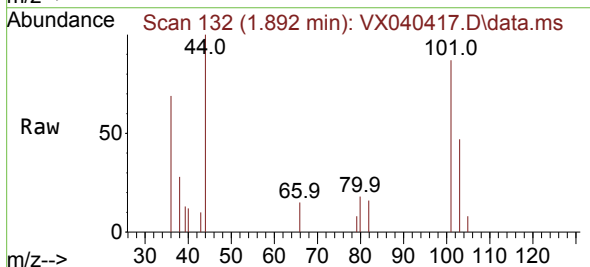
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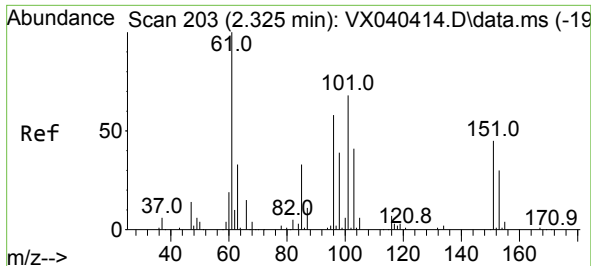
Tgt Ion: 94 Resp: 388
Ion Ratio Lower Upper
94 100
96 80.5 74.6 111.8



#7
Trichlorofluoromethane
Concen: 0.504 ug/l
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

Tgt Ion:101 Resp: 815
Ion Ratio Lower Upper
101 100
103 53.3 51.4 77.2

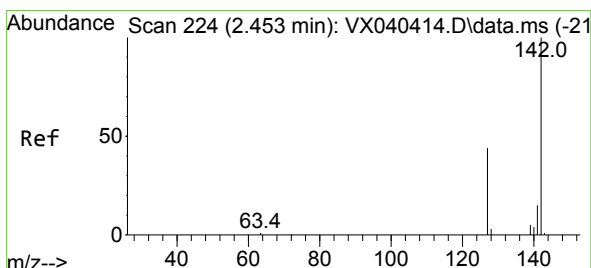
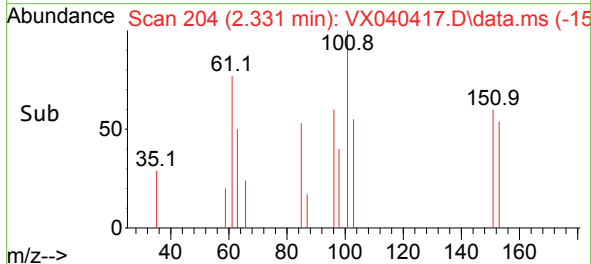
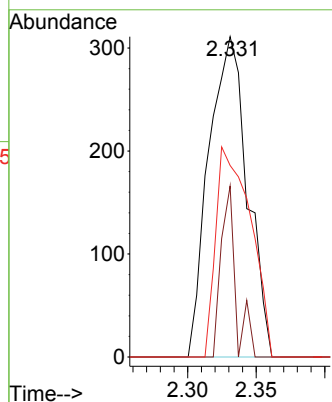
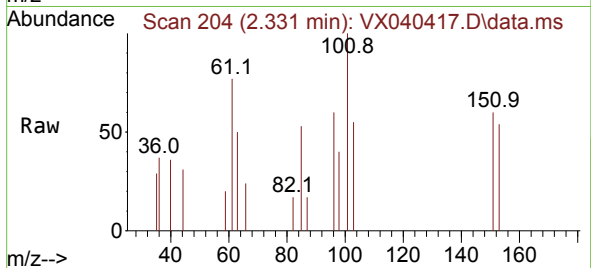




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.713 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

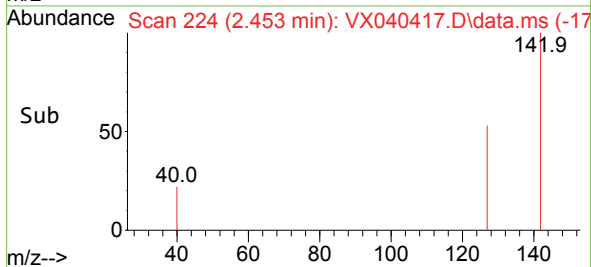
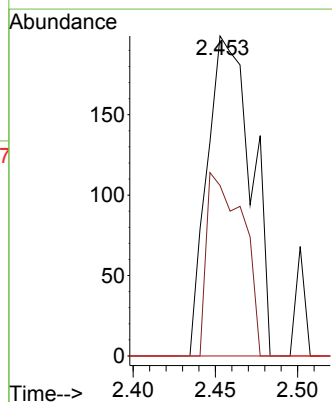
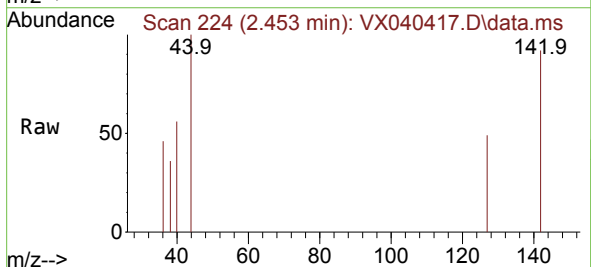
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ClientSampleId :
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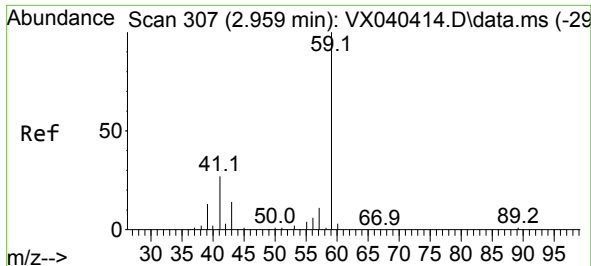
Tgt Ion:101 Resp: 609
Ion Ratio Lower Upper
101 100
85 20.2 37.0 55.6#
151 59.3 58.6 87.8



#10
Methyl Iodide
Concen: 0.372 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.000 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

Tgt Ion:142 Resp: 370
Ion Ratio Lower Upper
142 100
127 47.0 41.6 62.4
141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: 3.029 ug/l

RT: 2.947 min Scan# 307

Delta R.T. -0.012 min

Lab File: VX040417.D

Acq: 22 Feb 2024 23:51

Instrument :

MSVOA_X

ClientSampleId :

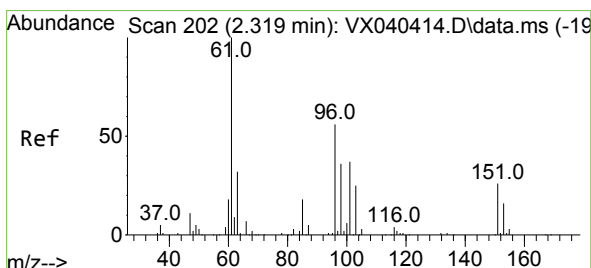
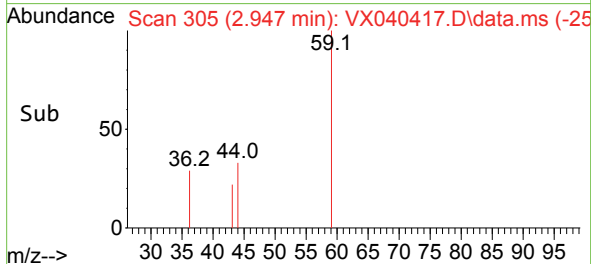
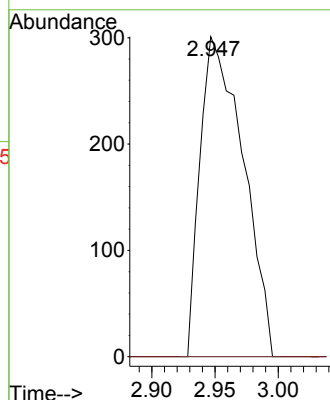
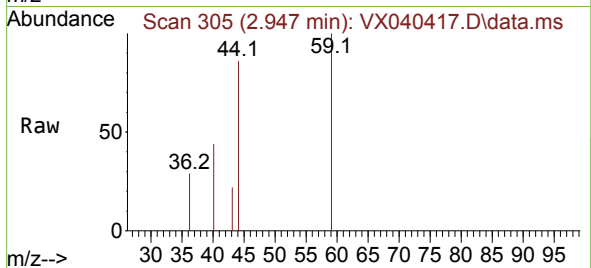
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Tgt Ion: 59 Resp: 711

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 0.471 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX040417.D

Acq: 22 Feb 2024 23:51

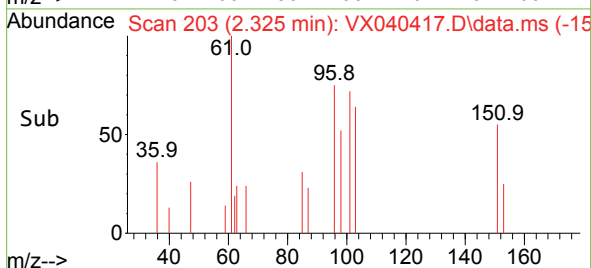
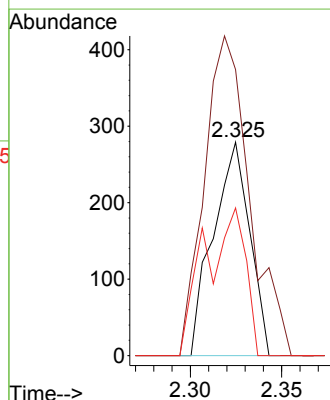
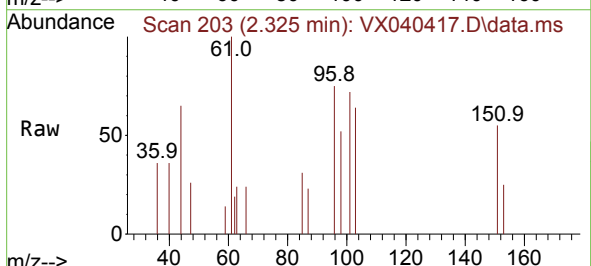
Tgt Ion: 96 Resp: 388

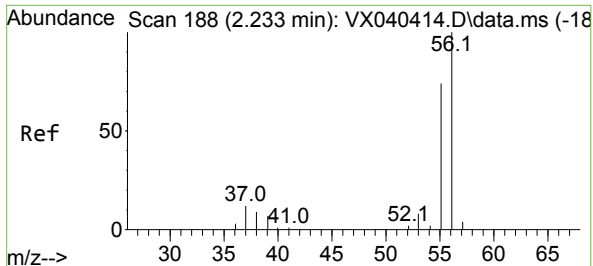
Ion Ratio Lower Upper

96 100

61 134.1 144.6 216.8#

98 69.2 50.4 75.6





#13

Acrolein

Concen: 1.588 ug/l

RT: 2.239 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX040417.D

Acq: 22 Feb 2024 23:51

Instrument :

MSVOA_X

ClientSampleId :

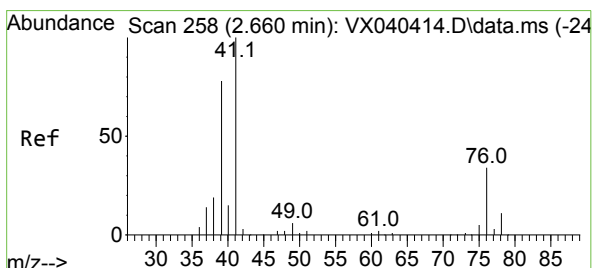
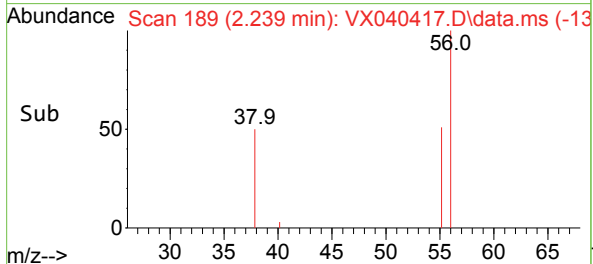
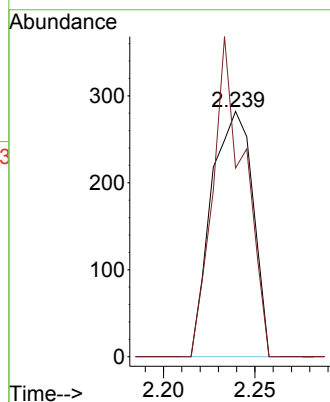
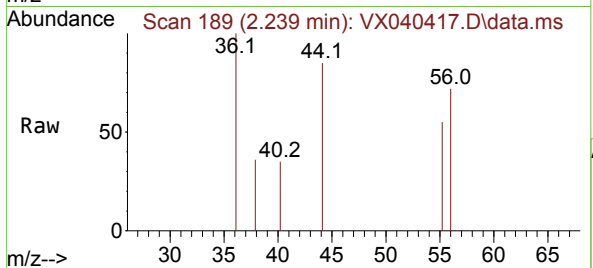
IBLK

Tgt Ion: 56 Resp: 446

Ion Ratio Lower Upper

56 100

55 99.6 57.1 85.7#



#14

Allyl chloride

Concen: 0.351 ug/l

RT: 2.672 min Scan# 260

Delta R.T. 0.012 min

Lab File: VX040417.D

Acq: 22 Feb 2024 23:51

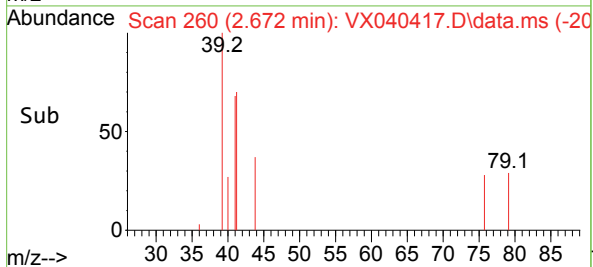
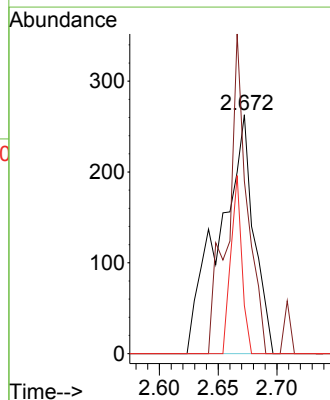
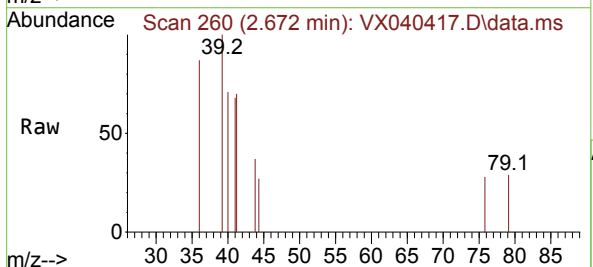
Tgt Ion: 41 Resp: 534

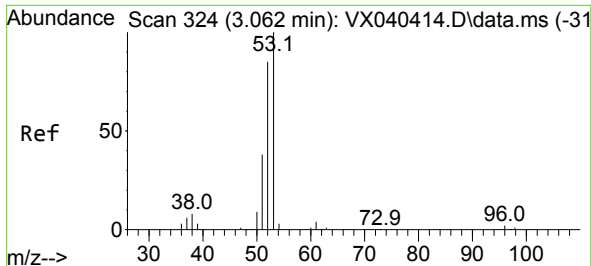
Ion Ratio Lower Upper

41 100

39 74.2 55.8 83.6

76 0.0 24.3 36.5#

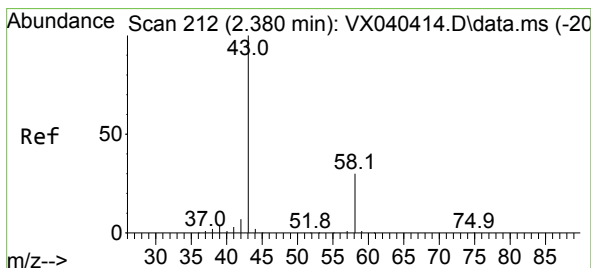
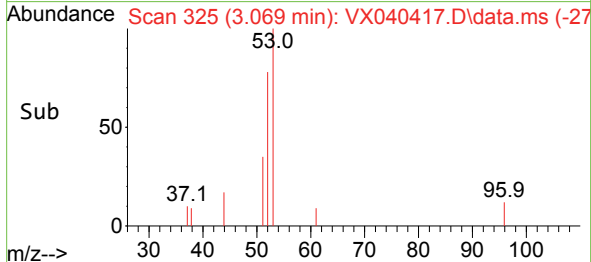
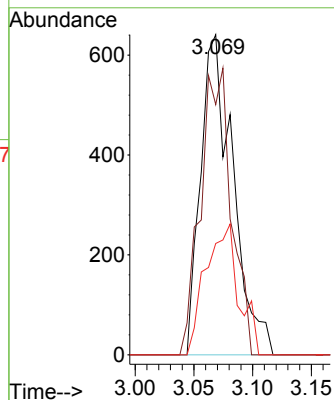
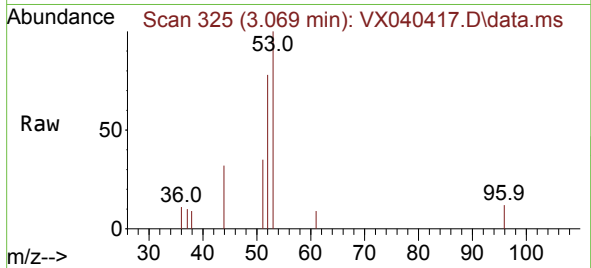




#15
Acrylonitrile
Concen: 2.221 ug/l
RT: 3.069 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

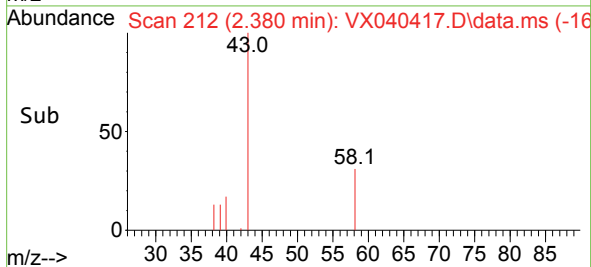
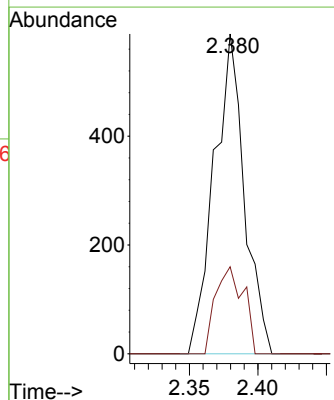
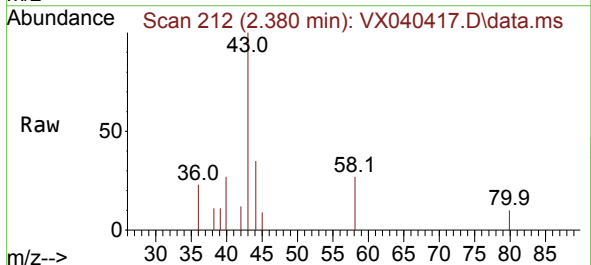
Instrument :
MSVOA_X
ClientSampleId :
IBLK

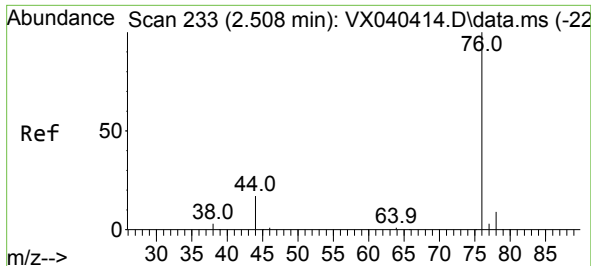
Tgt Ion: 53	Resp:	1222
Ion	Ratio	Lower Upper
53	100	
52	85.4	66.0 99.0
51	41.7	29.8 44.6



#16
Acetone
Concen: 1.781 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

Tgt Ion: 43	Resp:	901
Ion	Ratio	Lower Upper
43	100	
58	27.2	21.9 32.9

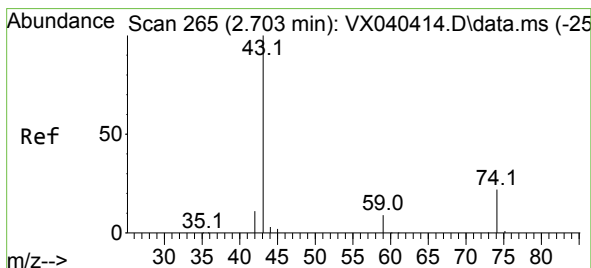
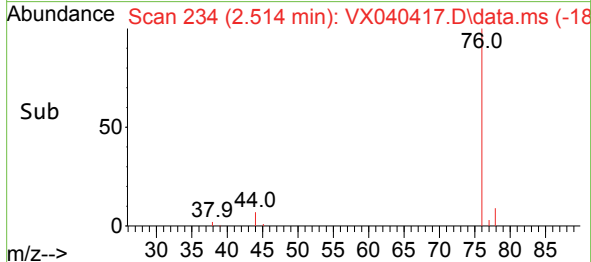
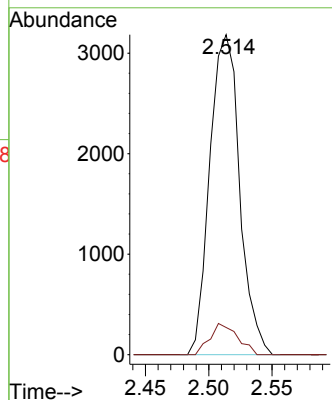
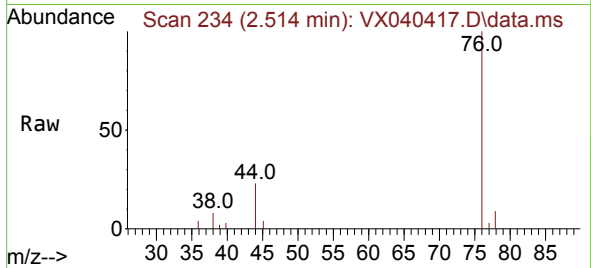




#17
Carbon Disulfide
Concen: 2.307 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

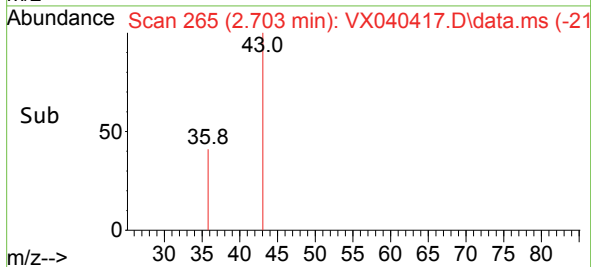
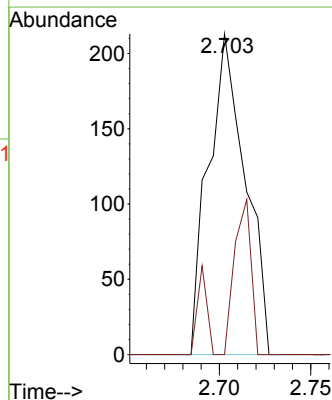
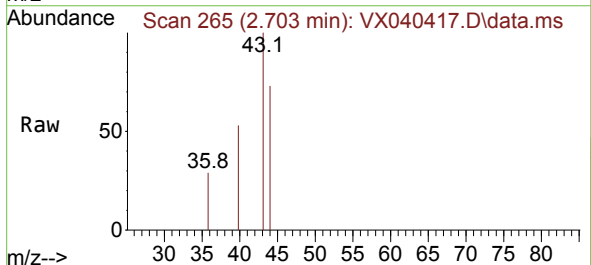
Instrument :
MSVOA_X
ClientSampleId :
IBLK

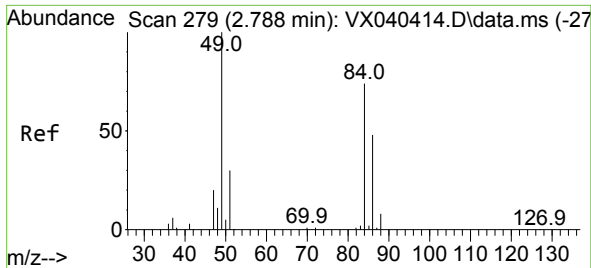
Tgt Ion: 76 Resp: 5225
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.6



#18
Methyl Acetate
Concen: 0.228 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

Tgt Ion: 43 Resp: 299
Ion Ratio Lower Upper
43 100
74 21.7 17.8 26.8

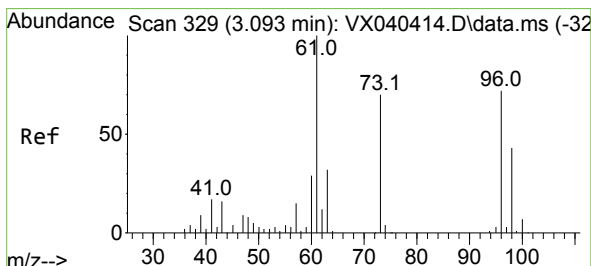
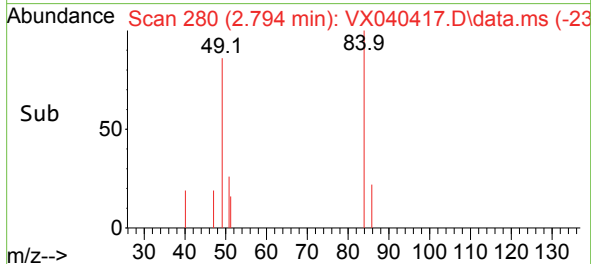
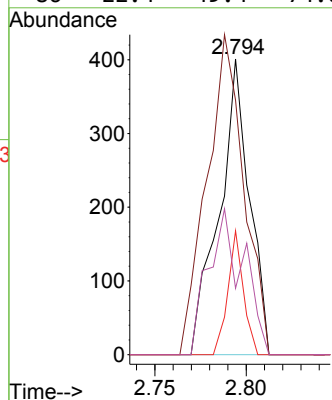
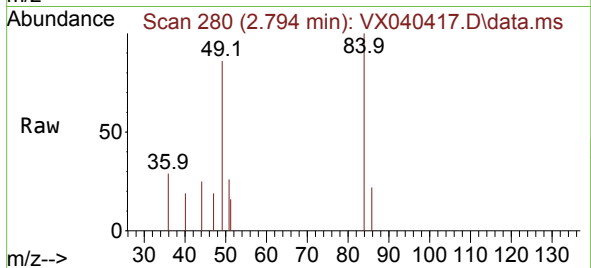




#20
Methylene Chloride
Concen: 0.436 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

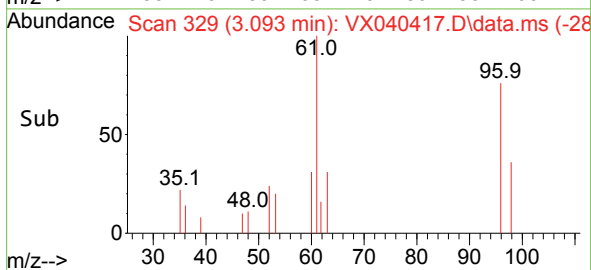
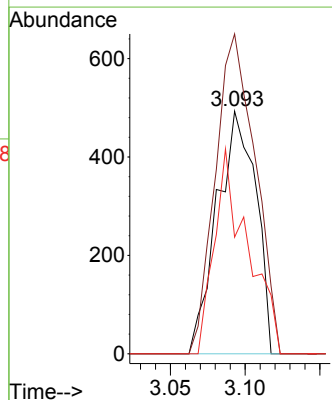
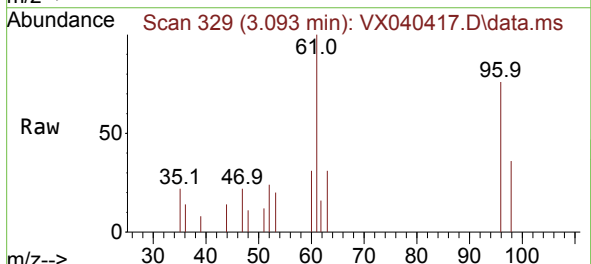
Instrument :
MSVOA_X
ClientSampleId :
IBLK

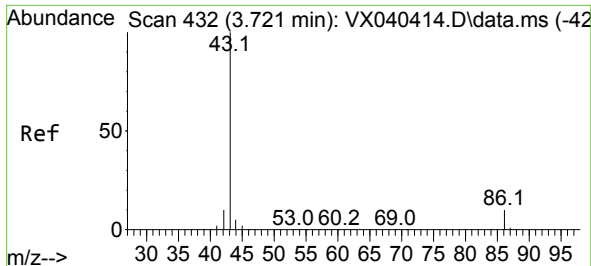
Tgt Ion: 84 Resp: 462
Ion Ratio Lower Upper
84 100
49 86.0 103.6 155.4#
51 41.9 33.8 50.6
86 22.4 49.4 74.0#



#21
trans-1,2-Dichloroethene
Concen: 0.955 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.000 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

Tgt Ion: 96 Resp: 888
Ion Ratio Lower Upper
96 100
61 131.8 119.2 178.8
98 48.1 48.7 73.1#

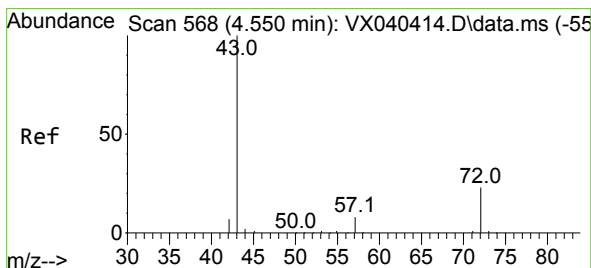
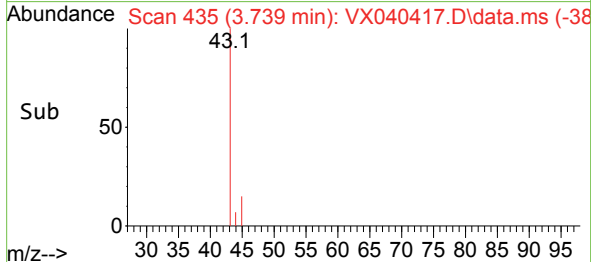
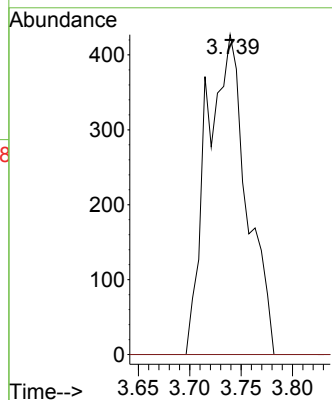
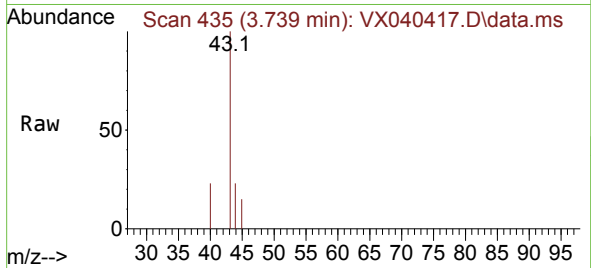




#23
 Vinyl Acetate
 Concen: 0.419 ug/l
 RT: 3.739 min Scan# 41
 Delta R.T. 0.018 min
 Lab File: VX040417.D
 Acq: 22 Feb 2024 23:51

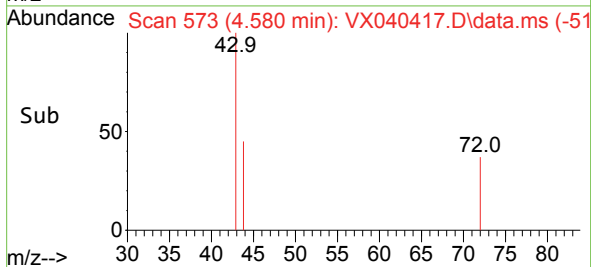
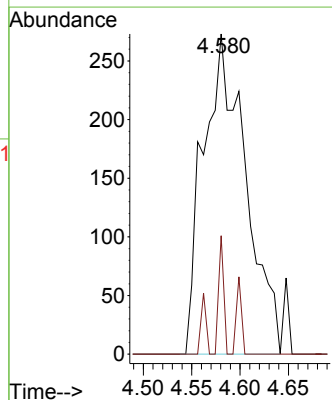
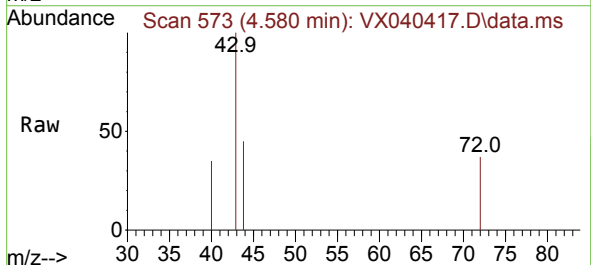
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

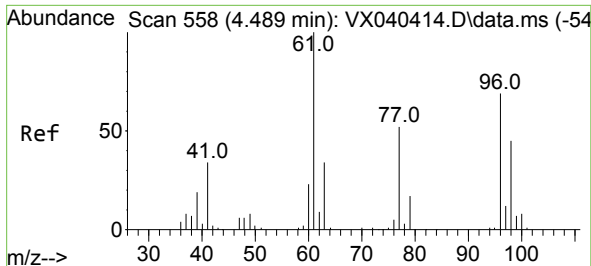
Tgt Ion: 43 Resp: 1150
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.8 11.8#



#25
 2-Butanone
 Concen: 1.052 ug/l
 RT: 4.580 min Scan# 573
 Delta R.T. 0.031 min
 Lab File: VX040417.D
 Acq: 22 Feb 2024 23:51

Tgt Ion: 43 Resp: 830
 Ion Ratio Lower Upper
 43 100
 72 37.0 19.4 29.2#

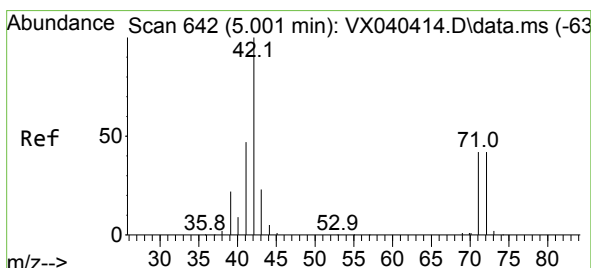
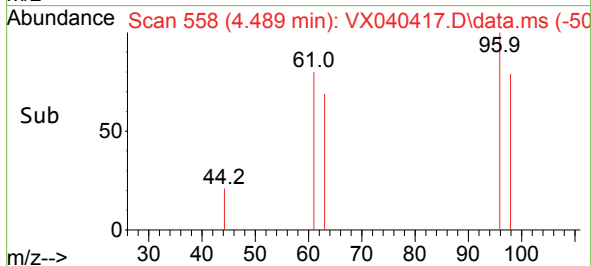
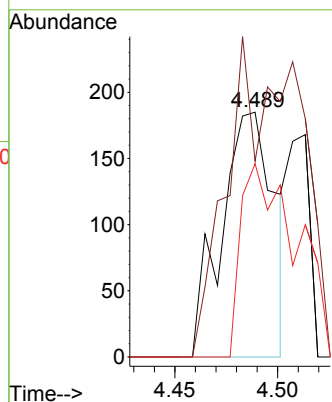
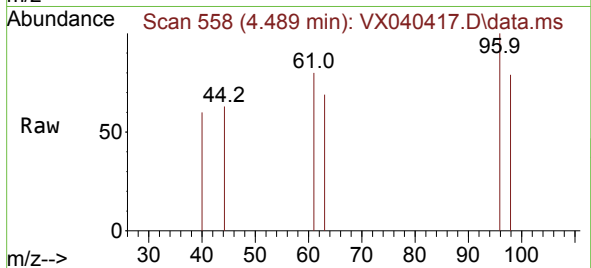




#27
cis-1,2-Dichloroethene
Concen: 0.319 ug/l
RT: 4.489 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

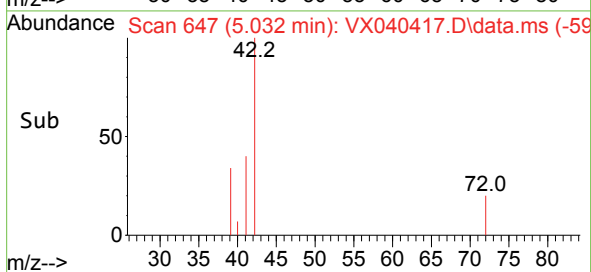
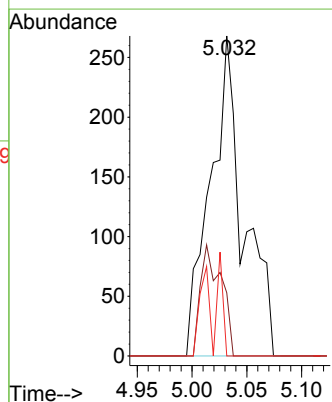
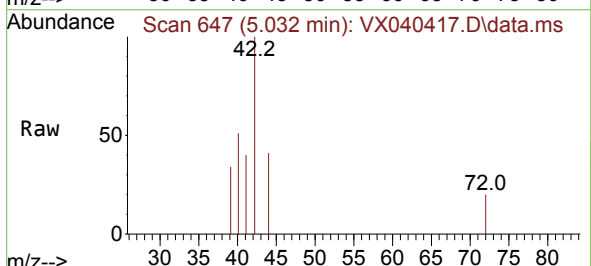
Instrument :
MSVOA_X
ClientSampleId :
IBLK

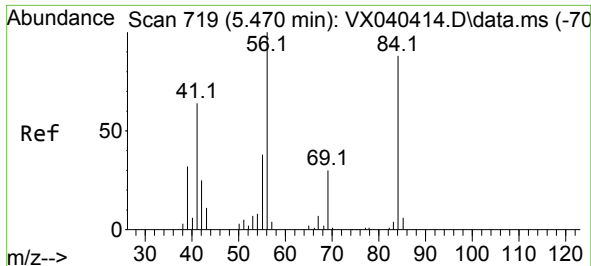
Tgt Ion: 96 Resp: 330
Ion Ratio Lower Upper
96 100
61 75.8 0.0 312.2
98 83.0 0.0 129.0



#29
Tetrahydrofuran
Concen: 1.070 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.031 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

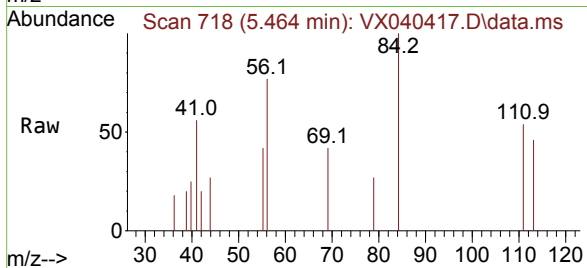
Tgt Ion: 42 Resp: 562
Ion Ratio Lower Upper
42 100
72 21.9 34.2 51.4#
71 8.2 32.2 48.2#



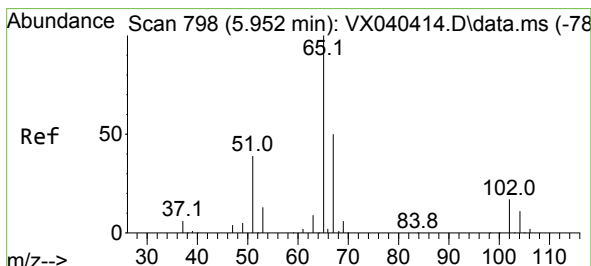
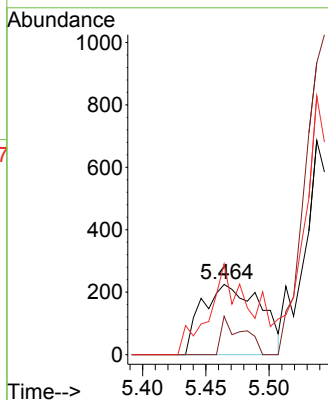
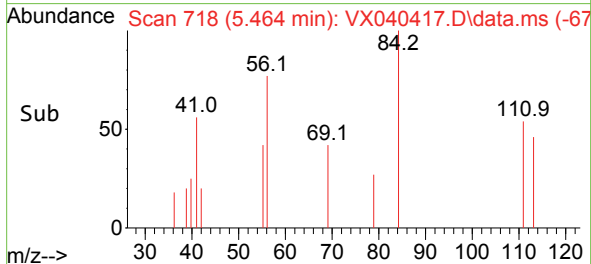


#31
Cyclohexane
Concen: 0.497 ug/l
RT: 5.464 min Scan# 719
Delta R.T. -0.006 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

Instrument :
MSVOA_X
ClientSampleId :
IBLK

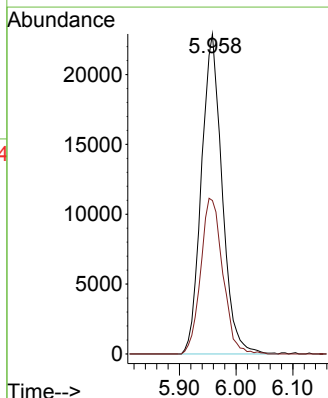
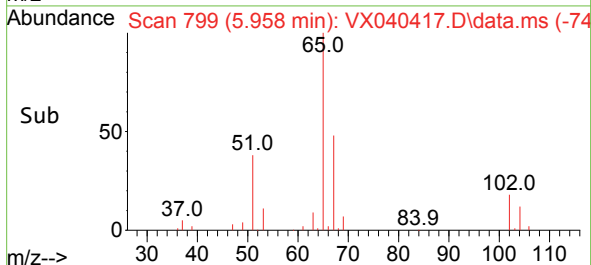
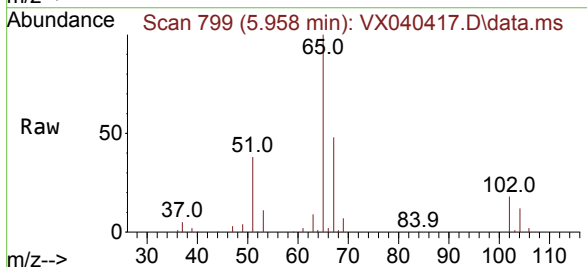


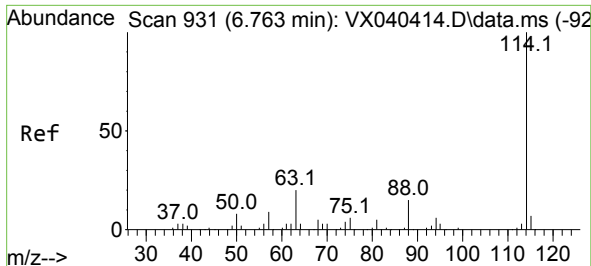
Tgt Ion: 56 Resp: 723
Ion Ratio Lower Upper
56 100
69 54.7 23.4 35.2#
84 129.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.731 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

Tgt Ion: 65 Resp: 57954
Ion Ratio Lower Upper
65 100
67 51.9 0.0 100.2

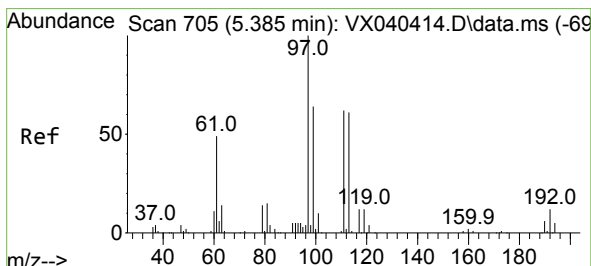
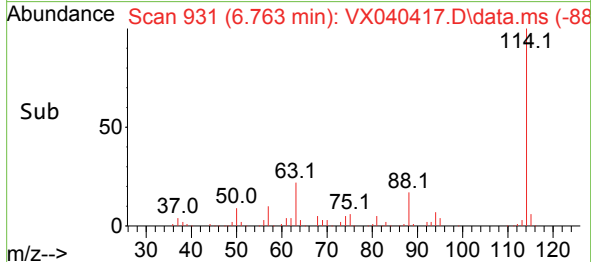
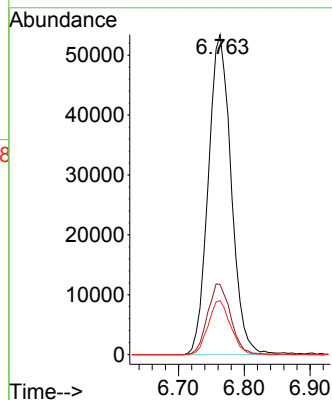
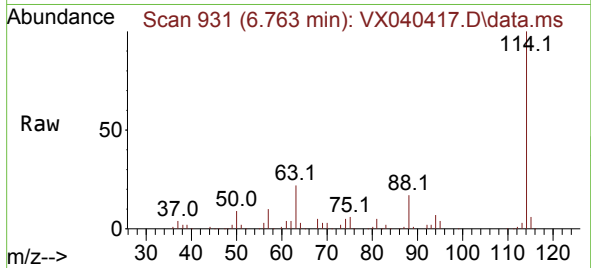




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

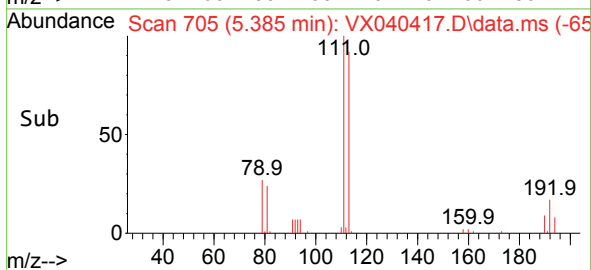
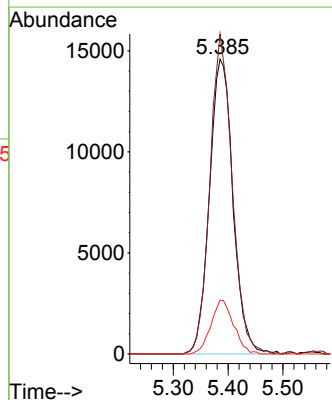
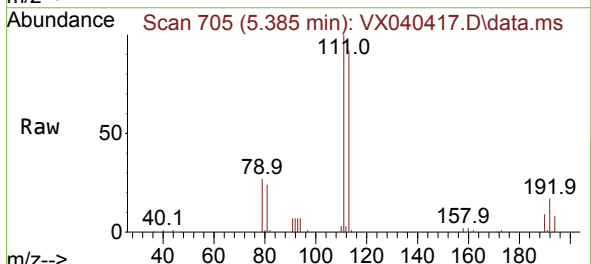
Instrument :
MSVOA_X
ClientSampleId :
IBLK

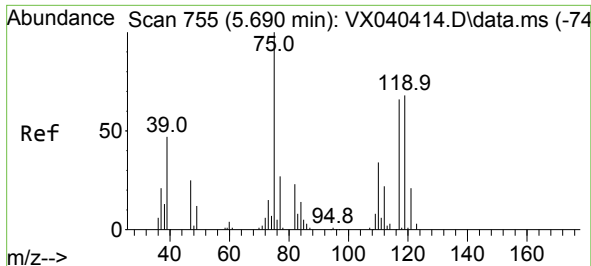
Tgt Ion:114 Resp: 129479
Ion Ratio Lower Upper
114 100
63 22.0 0.0 45.0
88 16.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.770 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

Tgt Ion:113 Resp: 43426
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 17.7 13.3 19.9

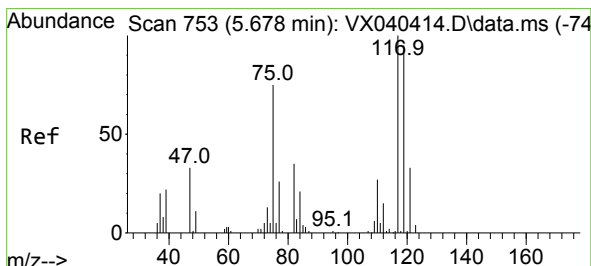
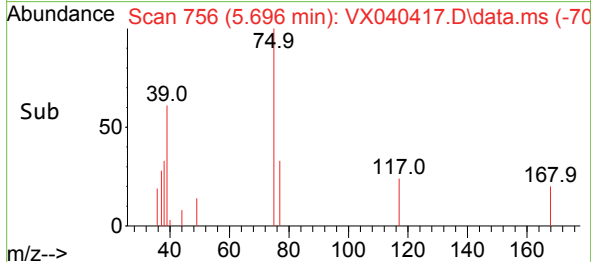
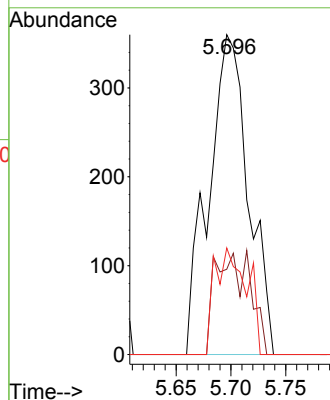
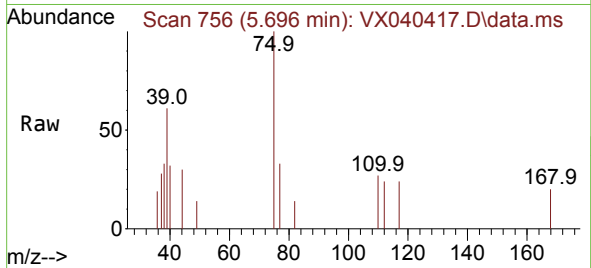




#36
1,1-Dichloropropene
Concen: 0.673 ug/l
RT: 5.696 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

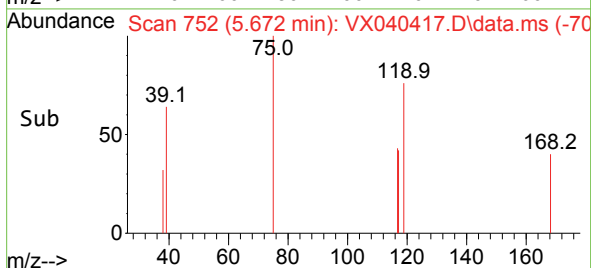
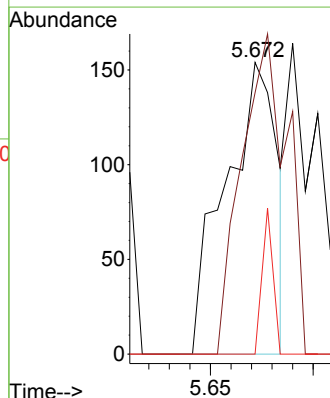
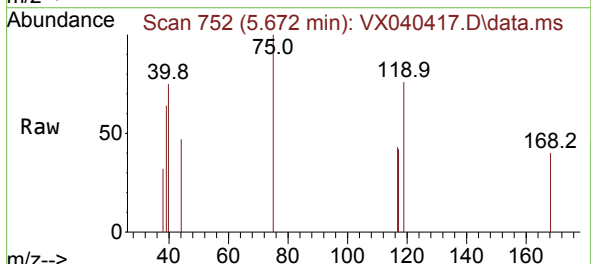
Instrument :
MSVOA_X
ClientSampleId :
IBLK

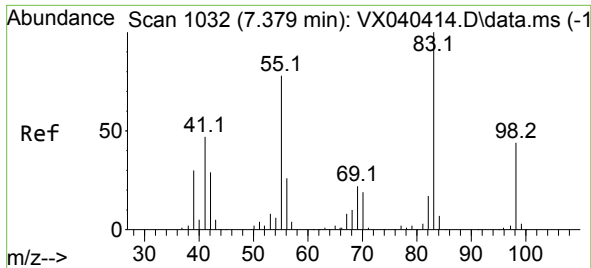
Tgt Ion: 75 Resp: 909
Ion Ratio Lower Upper
75 100
110 12.0 17.0 50.9#
77 27.0 24.7 37.1



#38
Carbon Tetrachloride
Concen: 0.215 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.006 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

Tgt Ion: 117 Resp: 269
Ion Ratio Lower Upper
117 100
119 89.6 78.2 117.2
121 0.0 24.4 36.6#

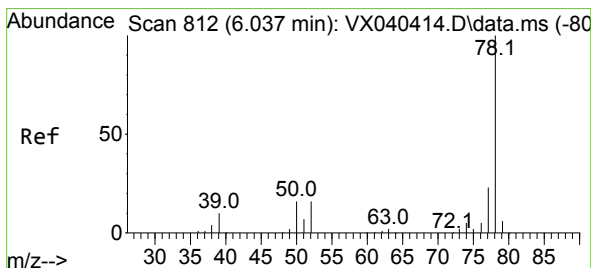
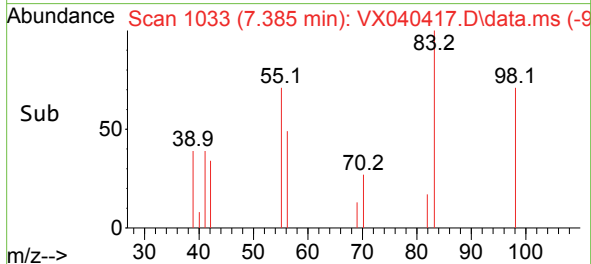
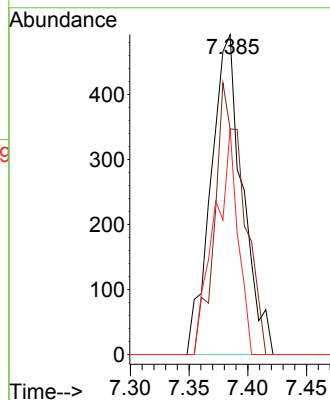
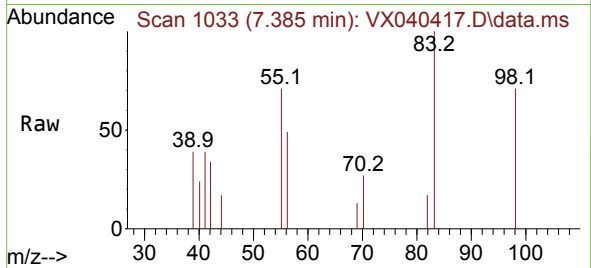




#39
Methylcyclohexane
Concen: 0.644 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.006 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

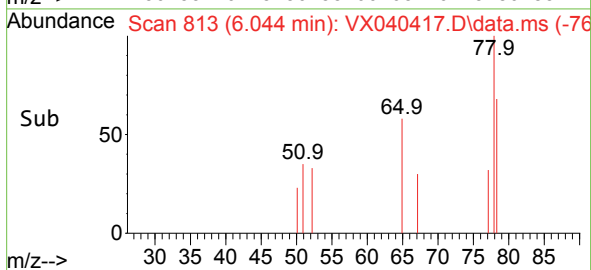
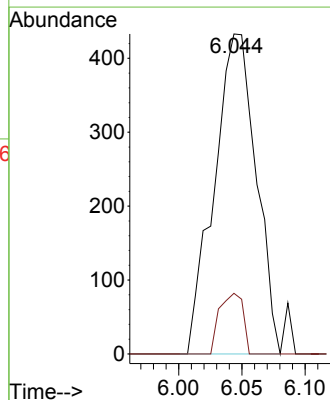
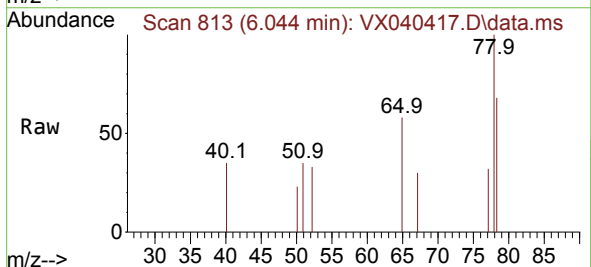
Instrument :
MSVOA_X
ClientSampleId :
IBLK

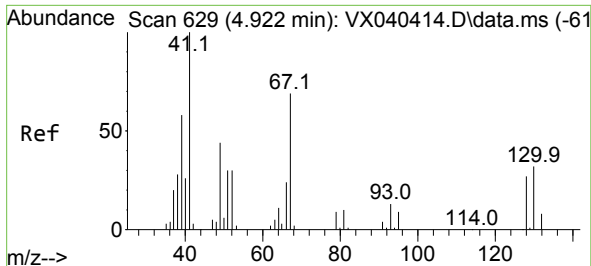
Tgt Ion: 83 Resp: 921
Ion Ratio Lower Upper
83 100
55 70.5 64.6 97.0
98 70.5 36.7 55.1#



#40
Benzene
Concen: 0.272 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

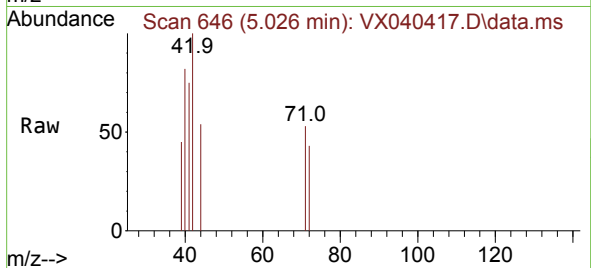
Tgt Ion: 78 Resp: 1000
Ion Ratio Lower Upper
78 100
77 18.9 19.3 28.9#



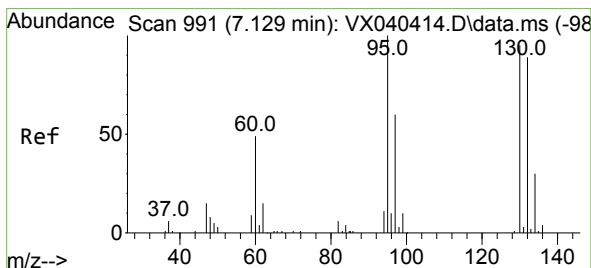
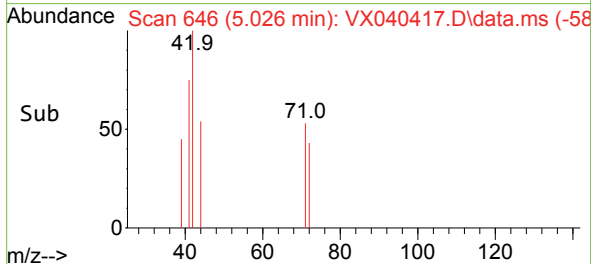
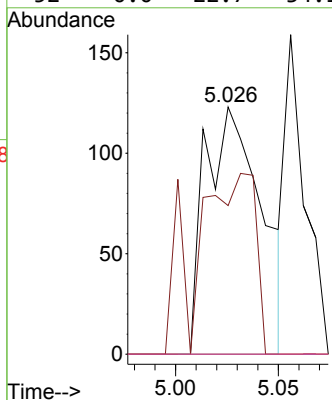


#41
Methacrylonitrile
Concen: 0.284 ug/l
RT: 5.026 min Scan# 641
Delta R.T. 0.104 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

Instrument :
MSVOA_X
ClientSampleId :
IBLK

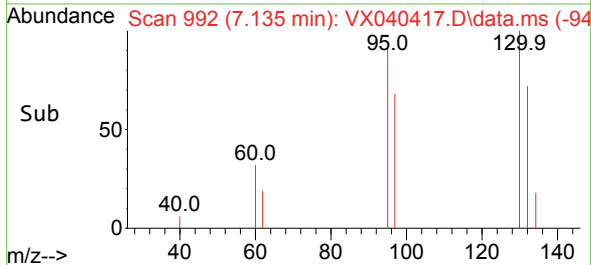
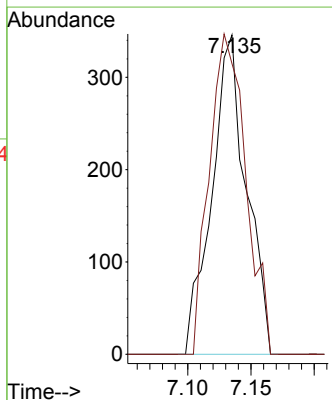
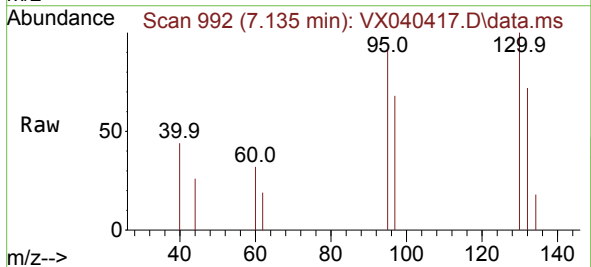


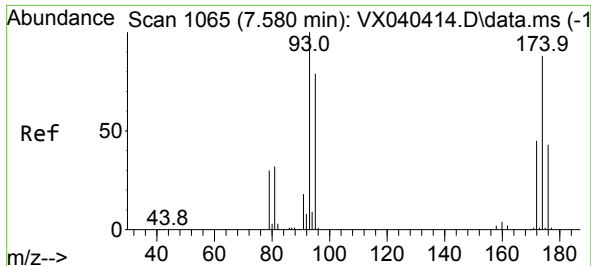
Tgt Ion: 41	Resp: 233
Ion Ratio	Lower Upper
41 100	
39 64.4	45.2 67.8
67 0.0	52.6 78.8#
52 0.0	22.7 34.1#



#44
Trichloroethene
Concen: 0.685 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

Tgt Ion:130	Resp:	658	
Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	204.4

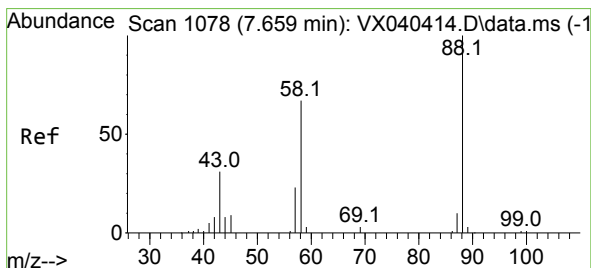
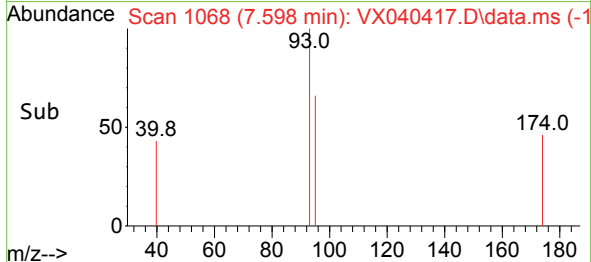
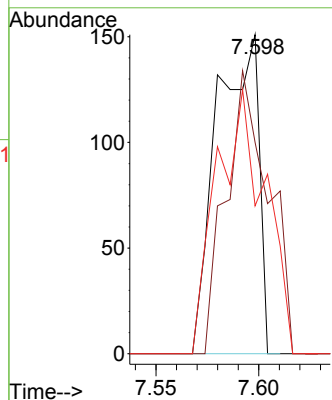
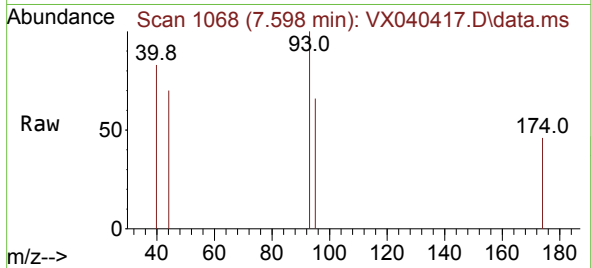




#46
Dibromomethane
Concen: 0.291 ug/l
RT: 7.598 min Scan# 1065
Delta R.T. 0.018 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

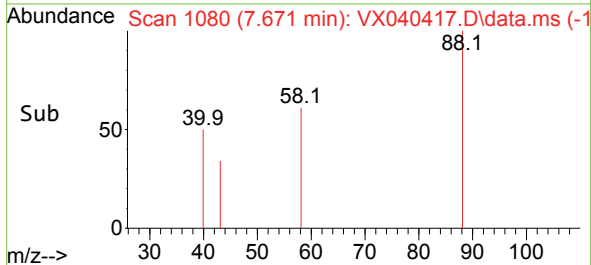
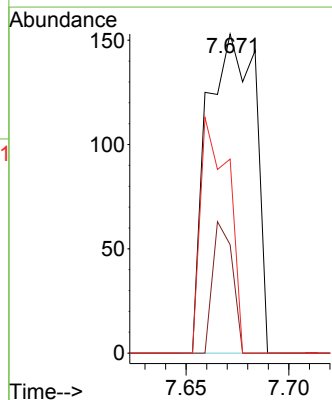
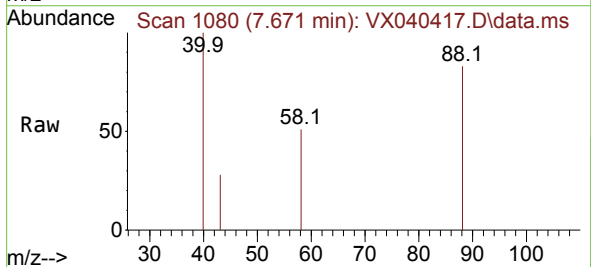
Instrument :
MSVOA_X
ClientSampleId :
IBLK

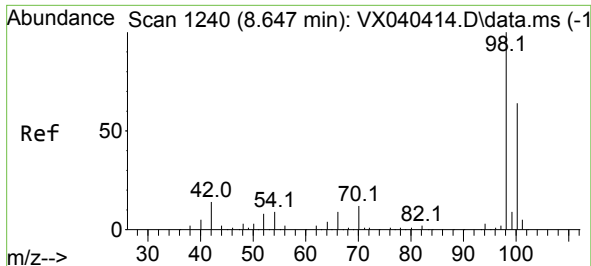
Tgt Ion: 93 Resp: 214
Ion Ratio Lower Upper
93 100
95 89.7 66.6 100.0
174 95.8 69.4 104.0



#49
1,4-Dioxane
Concen: 10.495 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

Tgt Ion: 88 Resp: 248
Ion Ratio Lower Upper
88 100
43 16.9 0.0 0.0#
58 43.5 60.1 90.1#

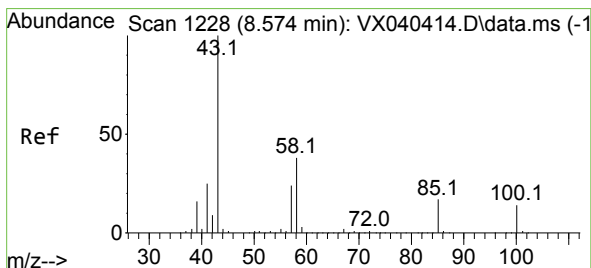
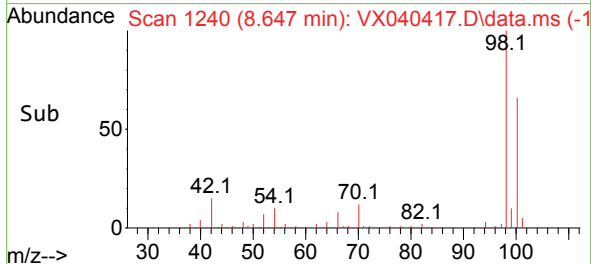
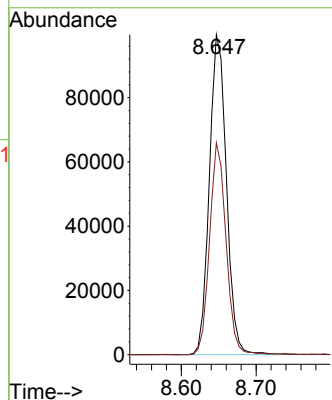
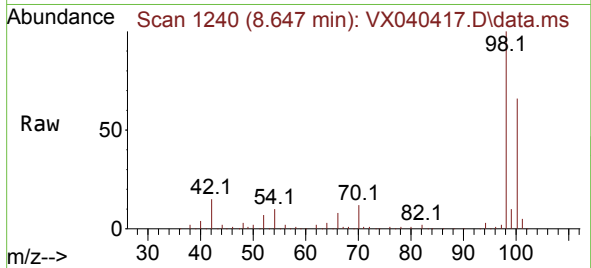




#50
Toluene-d8
Concen: 50.216 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

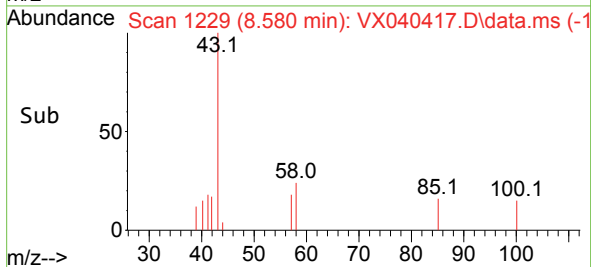
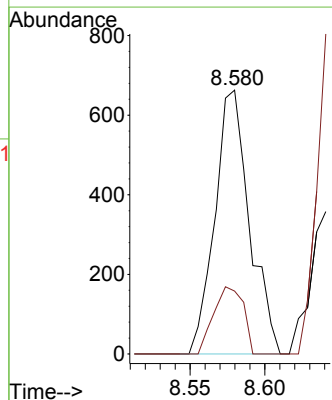
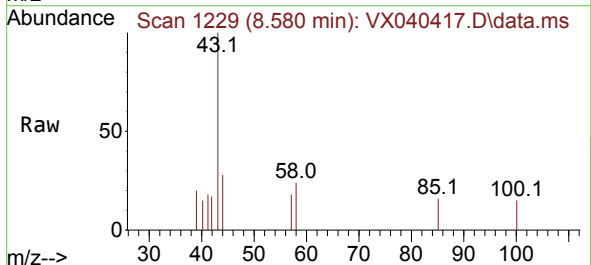
Instrument :
MSVOA_X
ClientSampleId :
IBLK

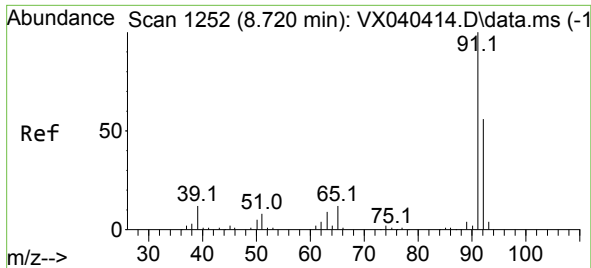
Tgt Ion: 98 Resp: 158265
Ion Ratio Lower Upper
98 100
100 64.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.664 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

Tgt Ion: 43 Resp: 1068
Ion Ratio Lower Upper
43 100
58 21.8 30.4 45.6#

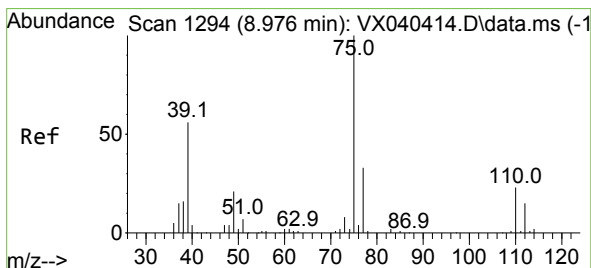
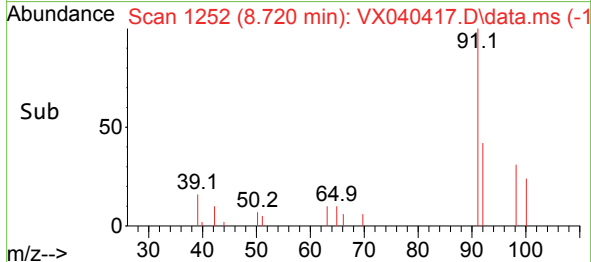
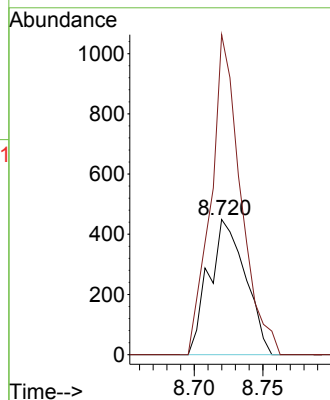
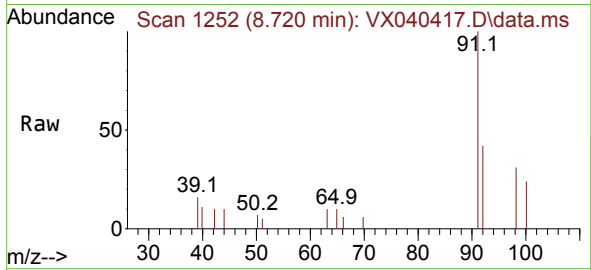




#52
Toluene
Concen: 0.370 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

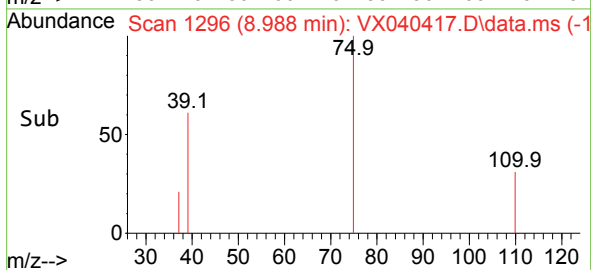
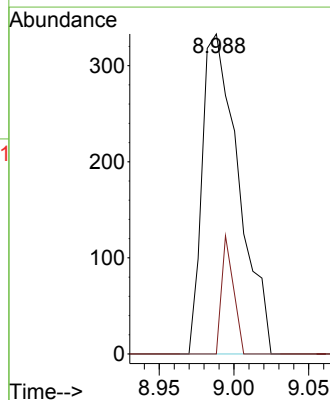
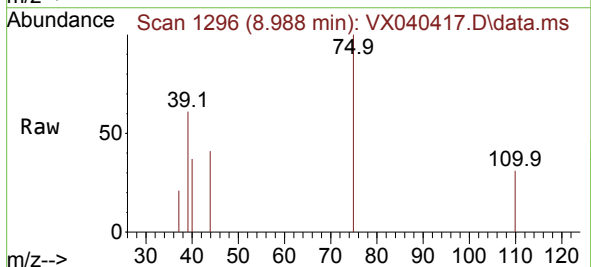
Instrument :
MSVOA_X
ClientSampleId :
IBLK

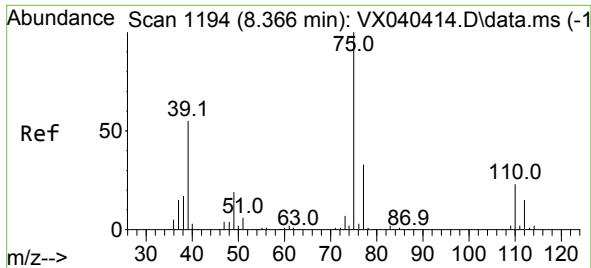
Tgt Ion: 92 Resp: 833
Ion Ratio Lower Upper
92 100
91 193.5 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 0.409 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.012 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

Tgt Ion: 75 Resp: 564
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

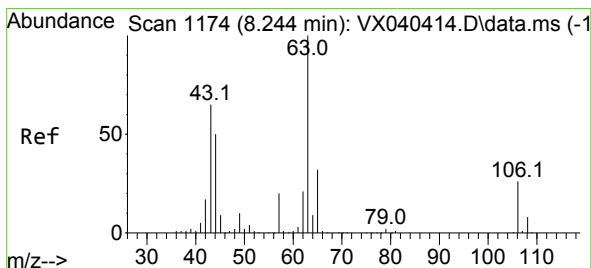
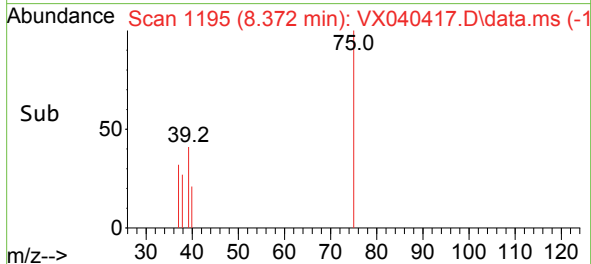
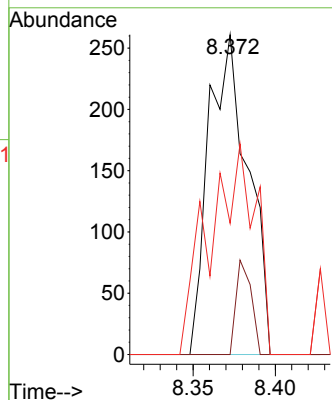
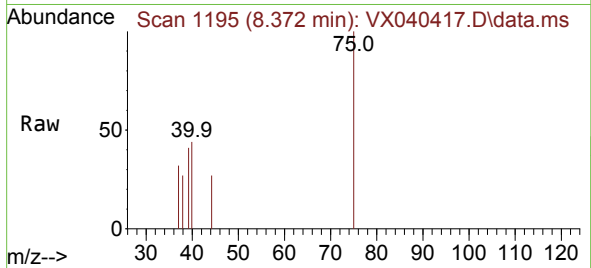




#54
 cis-1,3-Dichloropropene
 Concen: 0.295 ug/l
 RT: 8.372 min Scan# 1195
 Delta R.T. 0.006 min
 Lab File: VX040417.D
 Acq: 22 Feb 2024 23:51

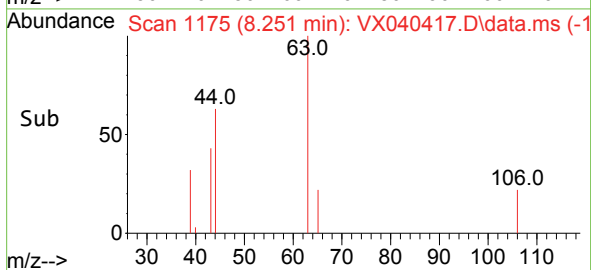
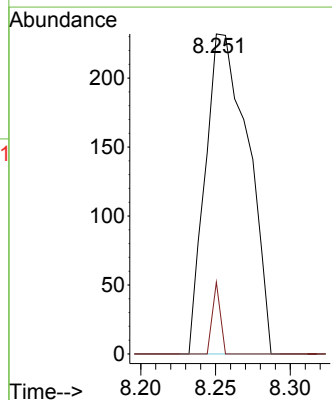
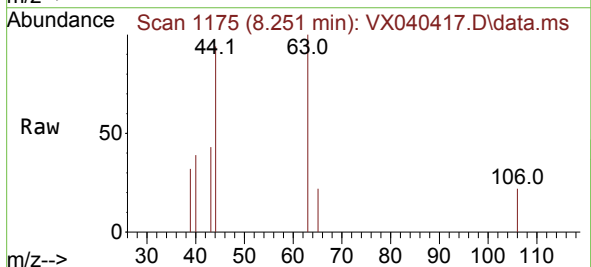
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

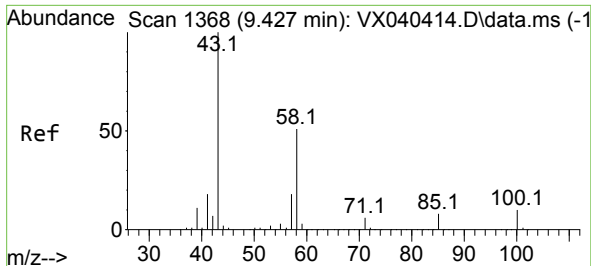
Tgt Ion: 75 Resp: 433
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 41.0 46.7 70.1#



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.623 ug/l
 RT: 8.251 min Scan# 1175
 Delta R.T. 0.006 min
 Lab File: VX040417.D
 Acq: 22 Feb 2024 23:51

Tgt Ion: 63 Resp: 460
 Ion Ratio Lower Upper
 63 100
 106 4.1 22.5 33.7#





#59

2-Hexanone

Concen: 1.160 ug/l

RT: 9.439 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX040417.D

Acq: 22 Feb 2024 23:51

Instrument :

MSVOA_X

ClientSampleId :

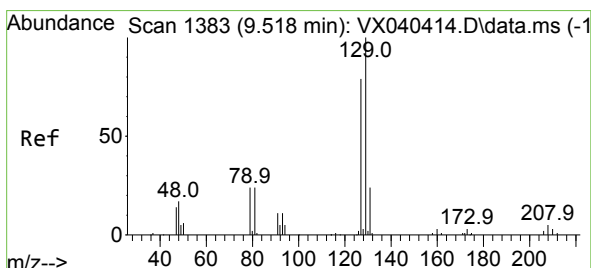
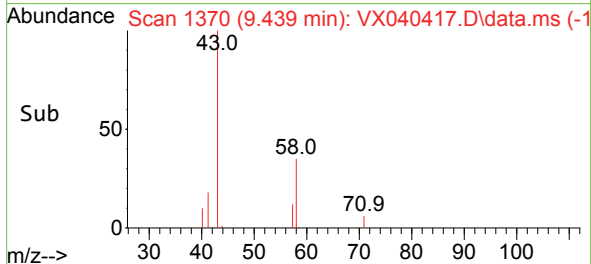
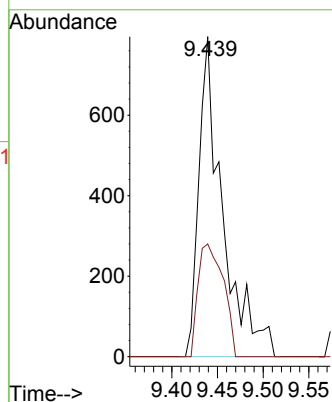
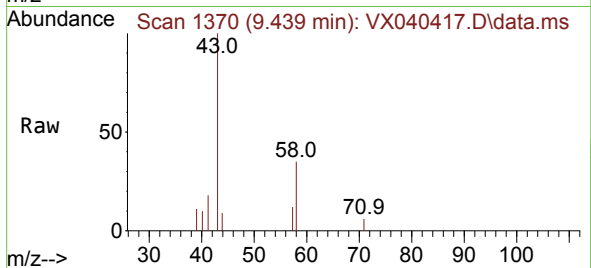
IBLK

Tgt Ion: 43 Resp: 1438

Ion Ratio Lower Upper

43 100

58 37.3 26.2 78.5



#60

Dibromochloromethane

Concen: 0.584 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.244 min

Lab File: VX040417.D

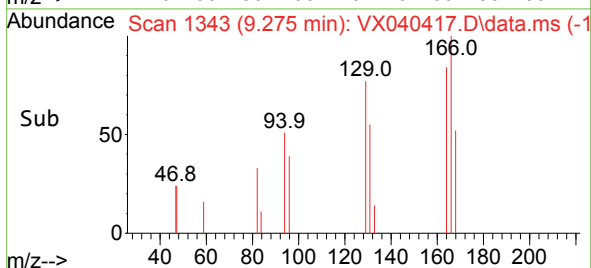
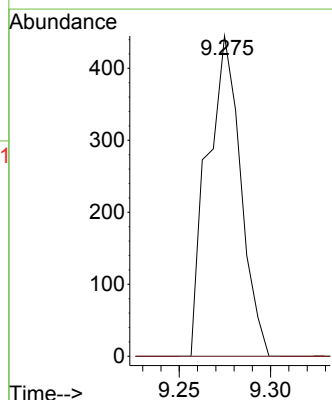
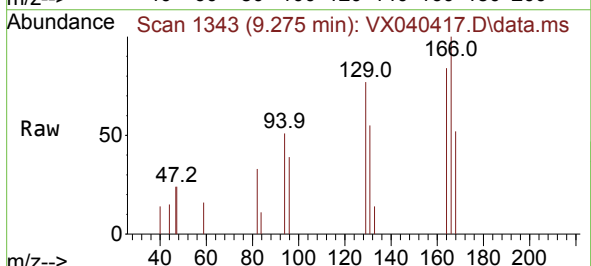
Acq: 22 Feb 2024 23:51

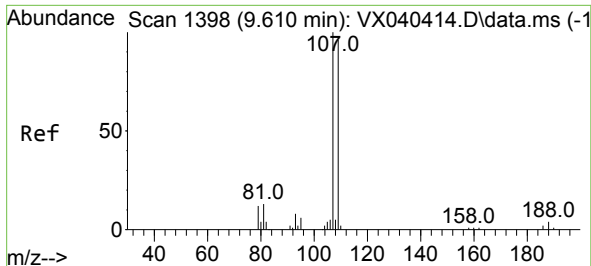
Tgt Ion: 129 Resp: 564

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#





#61

1,2-Dibromoethane

Concen: 0.264 ug/l

RT: 9.616 min Scan# 1399

Delta R.T. 0.006 min

Lab File: VX040417.D

Acq: 22 Feb 2024 23:51

Instrument :

MSVOA_X

ClientSampleId :

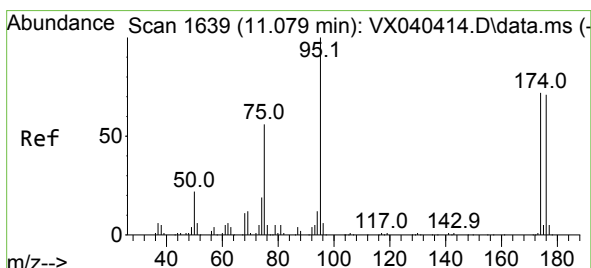
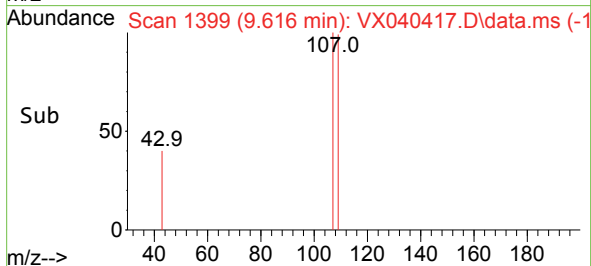
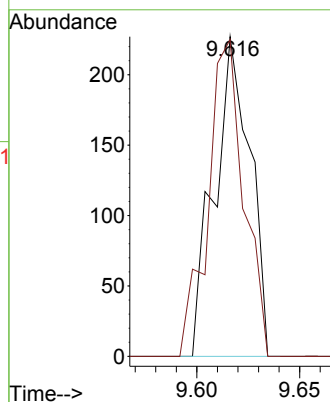
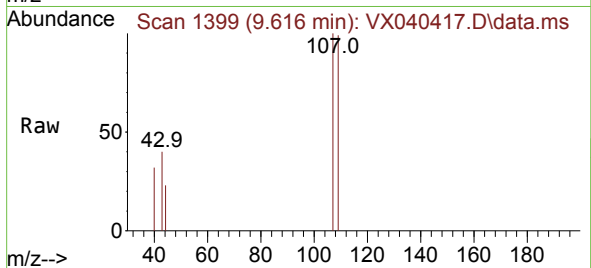
IBLK

Tgt Ion:107 Resp: 274

Ion Ratio Lower Upper

107 100

109 98.9 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 48.861 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX040417.D

Acq: 22 Feb 2024 23:51

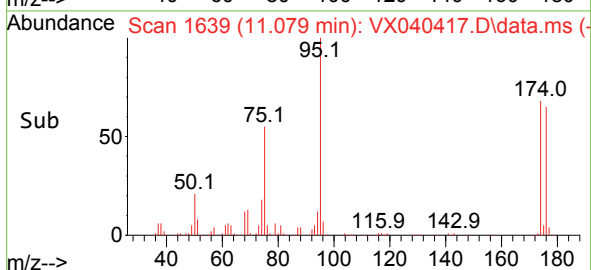
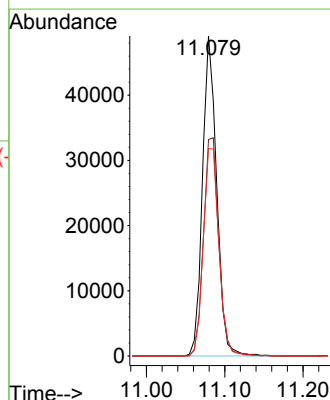
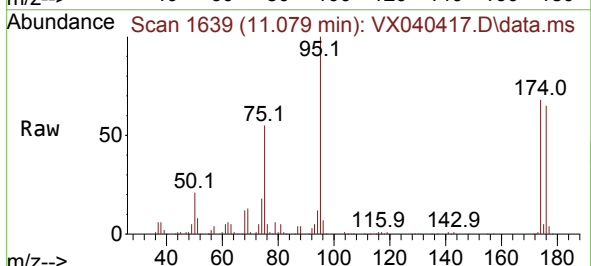
Tgt Ion: 95 Resp: 61707

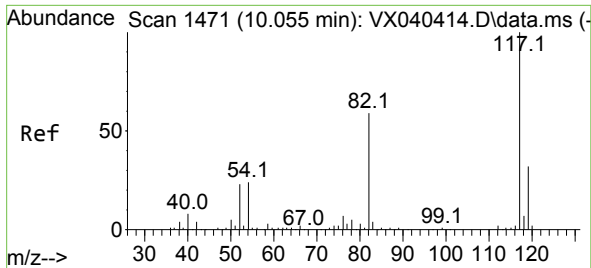
Ion Ratio Lower Upper

95 100

174 73.4 0.0 135.6

176 71.2 0.0 131.0

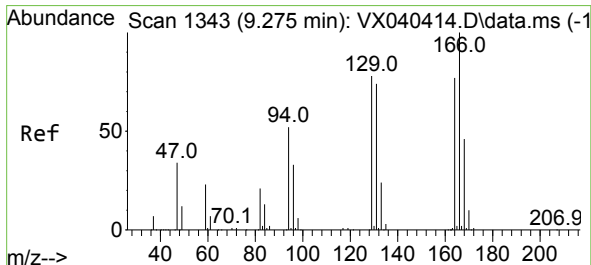
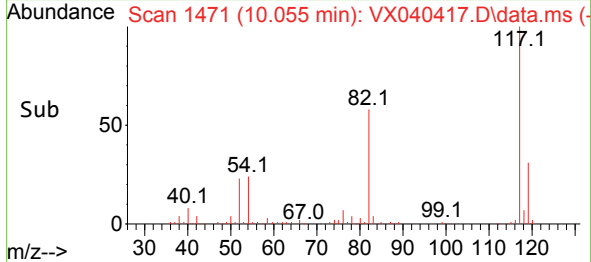
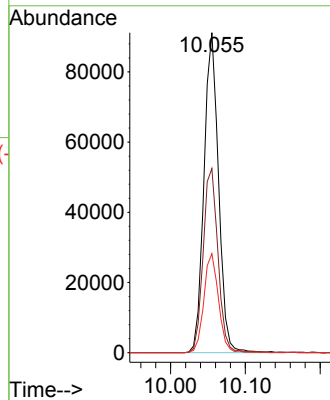
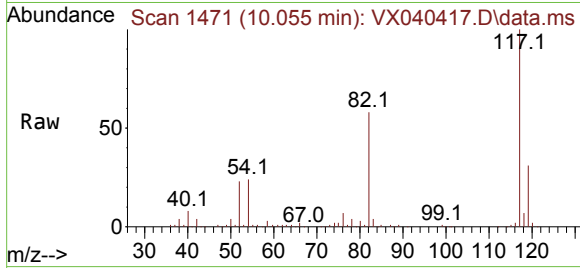




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

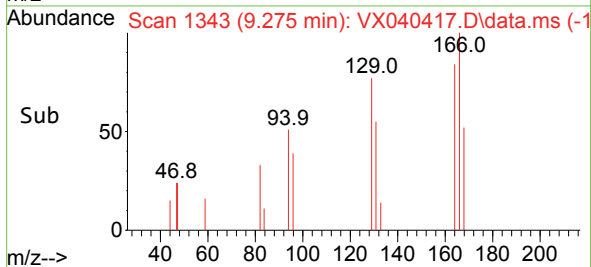
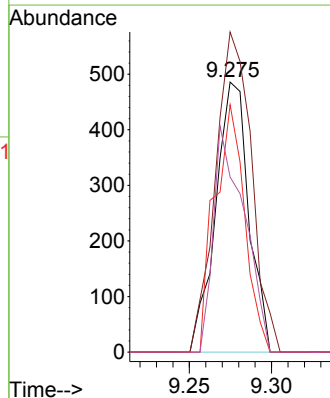
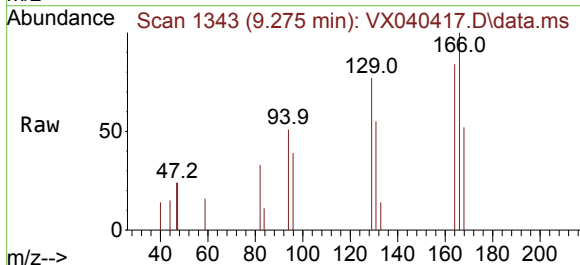
Instrument :
MSVOA_X
ClientSampleId :
IBLK

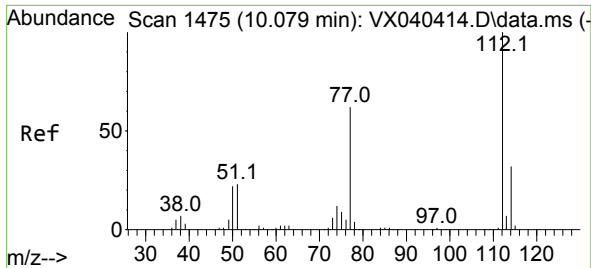
Tgt Ion:117 Resp: 123220
Ion Ratio Lower Upper
117 100
82 57.5 46.2 69.4
119 30.9 25.5 38.3



#64
Tetrachloroethene
Concen: 0.755 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

Tgt Ion:164 Resp: 681
Ion Ratio Lower Upper
164 100
166 118.5 102.7 154.1
129 91.6 80.4 120.6
131 64.8 76.5 114.7#

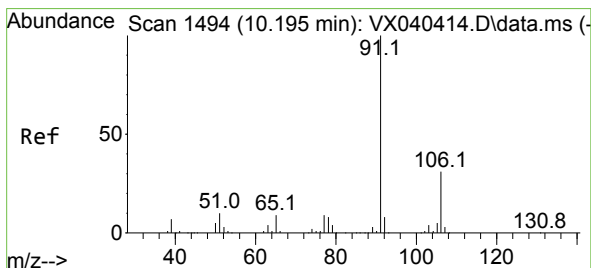
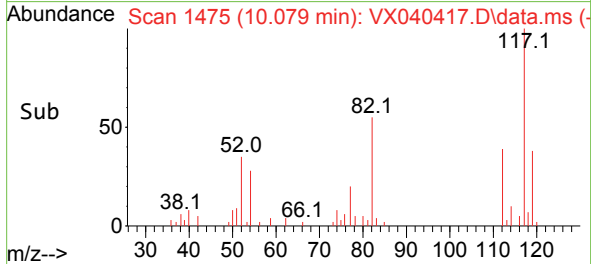
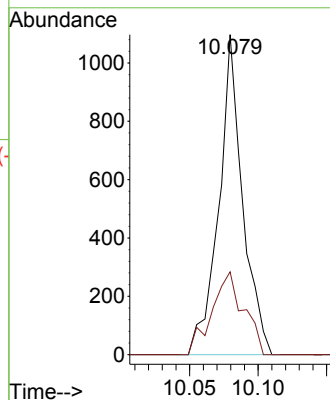
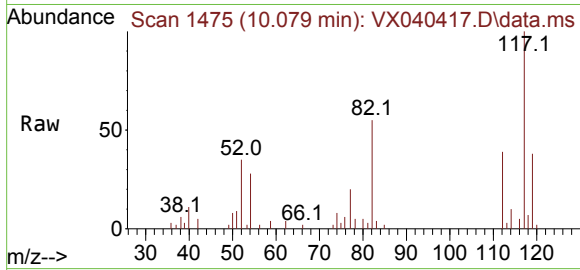




#65
Chlorobenzene
Concen: 0.532 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

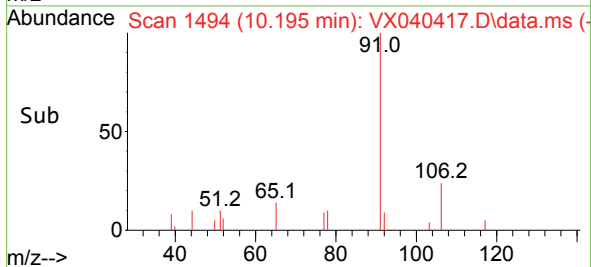
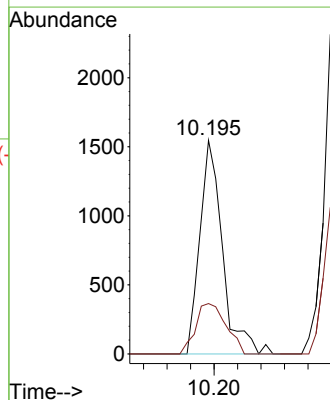
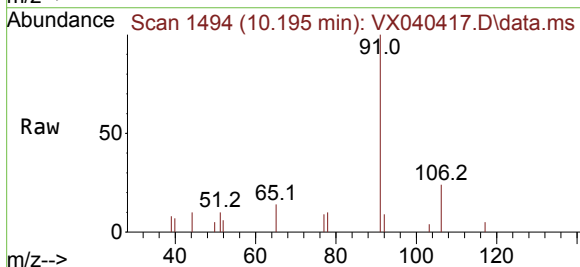
Instrument :
MSVOA_X
ClientSampleId :
IBLK

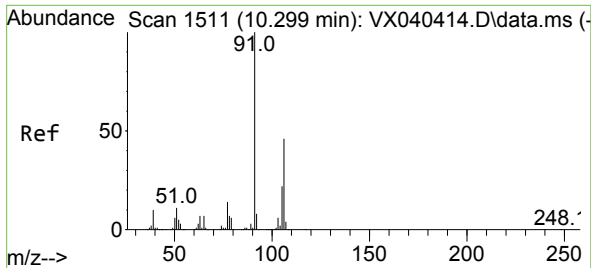
Tgt Ion:112 Resp: 1320
Ion Ratio Lower Upper
112 100
114 25.9 25.7 38.5



#67
Ethyl Benzene
Concen: 0.443 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

Tgt Ion: 91 Resp: 2064
Ion Ratio Lower Upper
91 100
106 23.6 24.9 37.3#

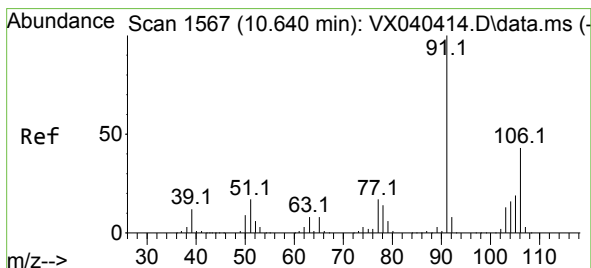
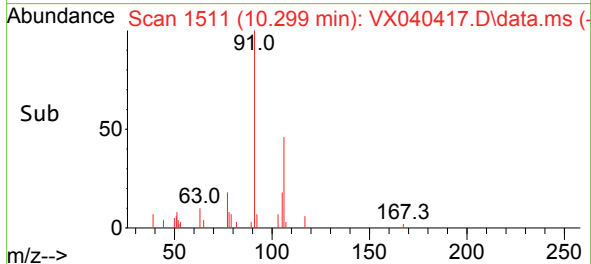
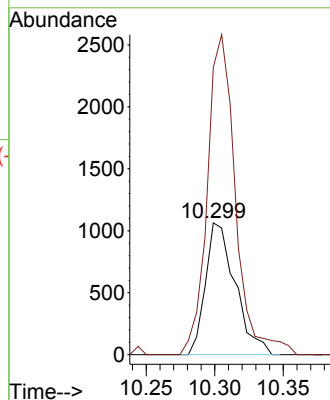
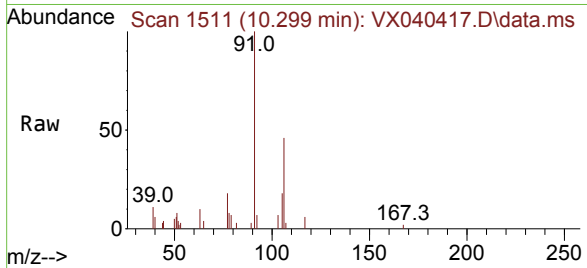




#68
m/p-Xylenes
Concen: 0.946 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

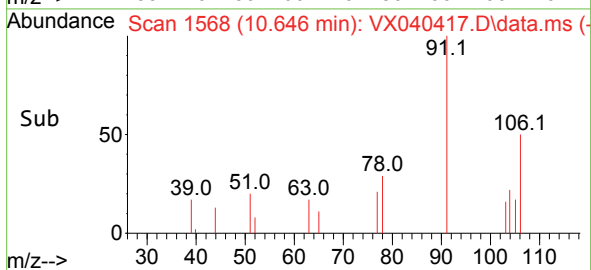
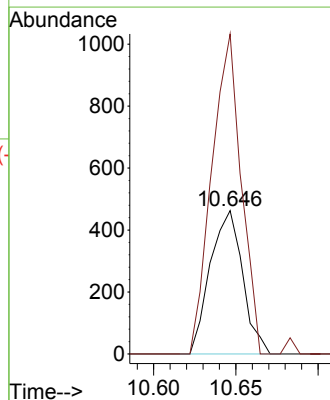
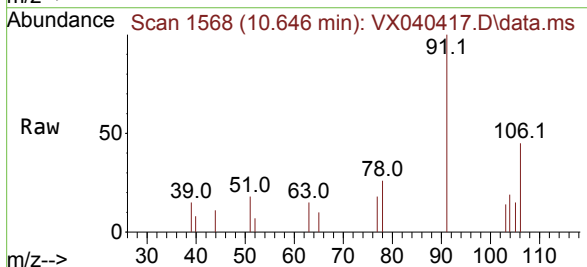
Instrument :
MSVOA_X
ClientSampleId :
IBLK

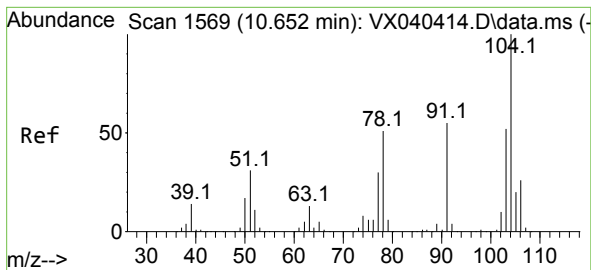
Tgt Ion:106 Resp: 1605
Ion Ratio Lower Upper
106 100
91 230.5 165.5 248.3



#69
o-Xylene
Concen: 0.378 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

Tgt Ion:106 Resp: 635
Ion Ratio Lower Upper
106 100
91 202.5 108.9 326.8





#70

Styrene

Concen: 0.394 ug/l

RT: 10.659 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX040417.D

Acq: 22 Feb 2024 23:51

Instrument :

MSVOA_X

ClientSampleId :

IBLK

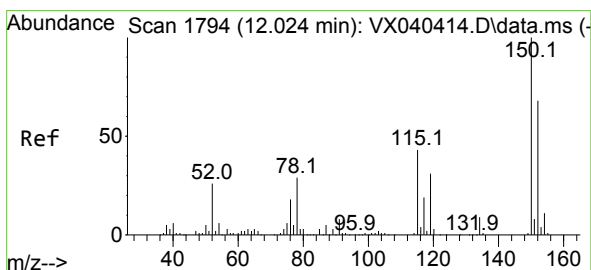
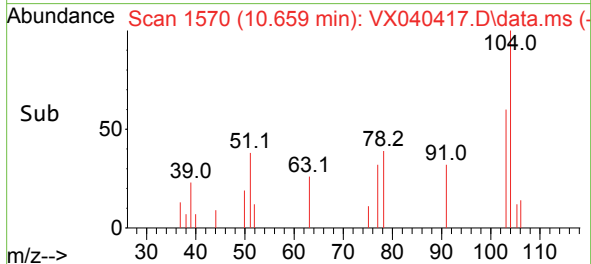
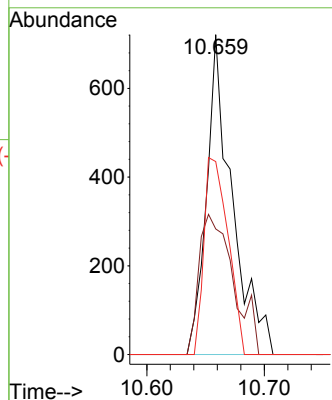
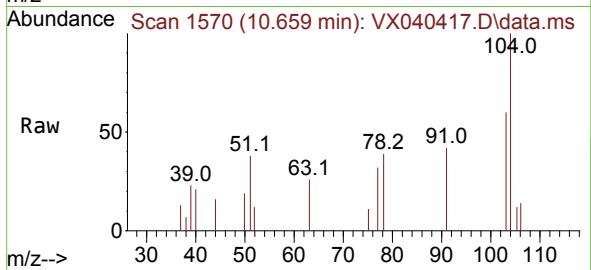
Tgt Ion:104 Resp: 1090

Ion Ratio Lower Upper

104 100

78 58.8 43.6 65.4

103 58.0 43.6 65.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX040417.D

Acq: 22 Feb 2024 23:51

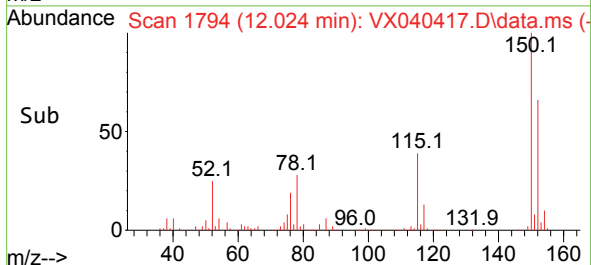
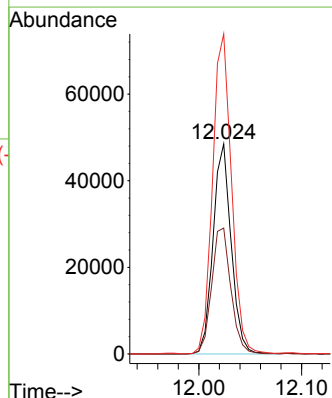
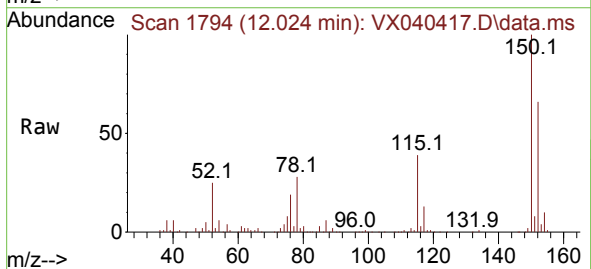
Tgt Ion:152 Resp: 59507

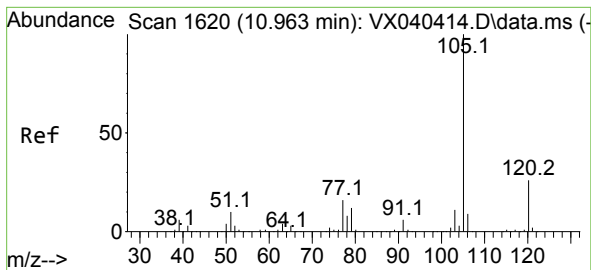
Ion Ratio Lower Upper

152 100

115 63.6 43.3 129.9

150 158.9 0.0 345.0





#73

Isopropylbenzene

Concen: 0.500 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX040417.D

Acq: 22 Feb 2024 23:51

Instrument :

MSVOA_X

ClientSampleId :

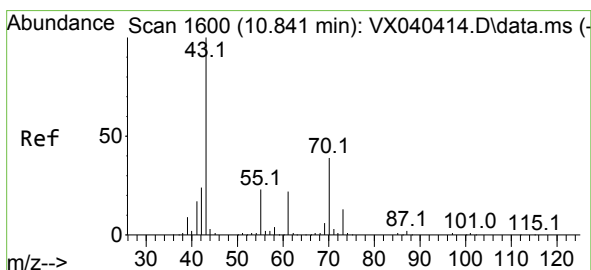
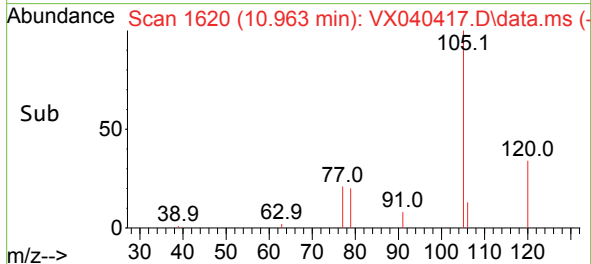
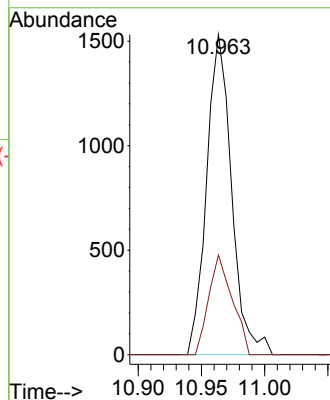
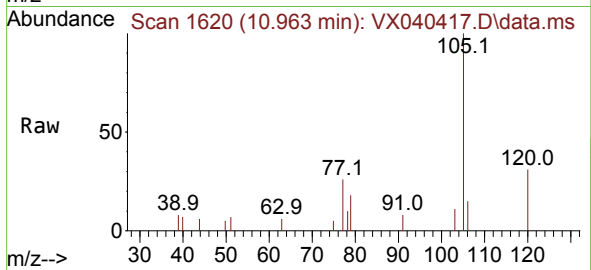
IBLK

Tgt Ion:105 Resp: 2105

Ion Ratio Lower Upper

105 100

120 29.3 12.9 38.6



#74

N-ethyl acetate

Concen: 0.266 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.001 min

Lab File: VX040417.D

Acq: 22 Feb 2024 23:51

Tgt Ion: 43 Resp: 519

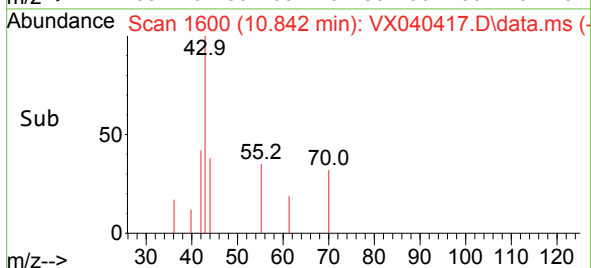
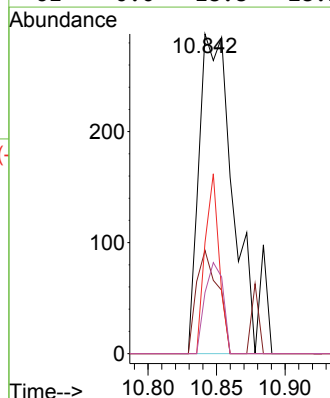
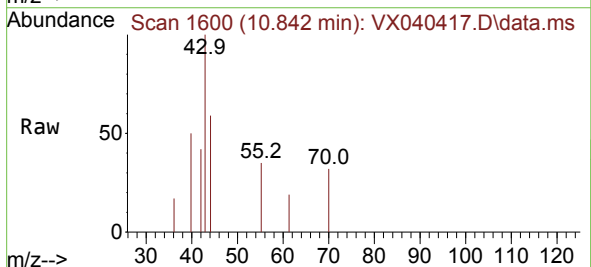
Ion Ratio Lower Upper

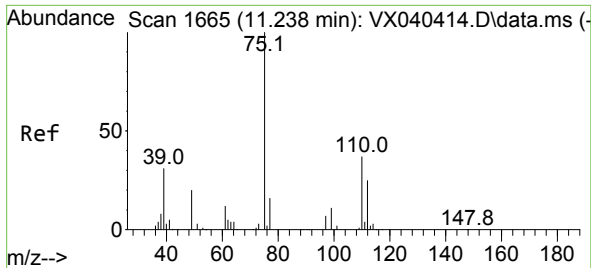
43 100

70 19.8 32.9 49.3#

55 22.4 19.3 28.9

61 0.0 18.8 28.2#

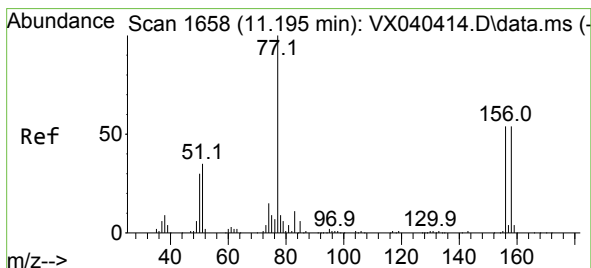
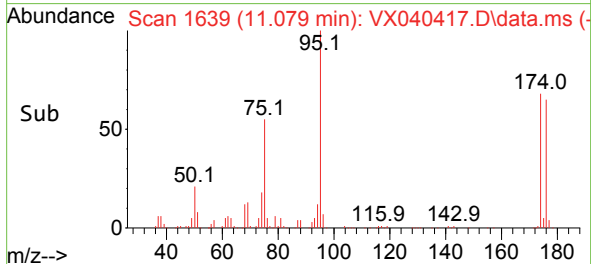
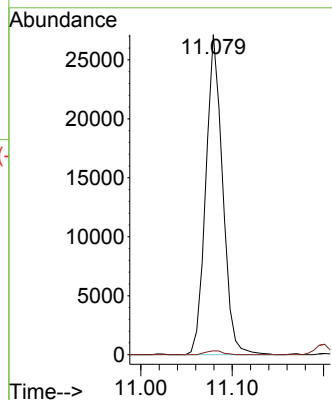
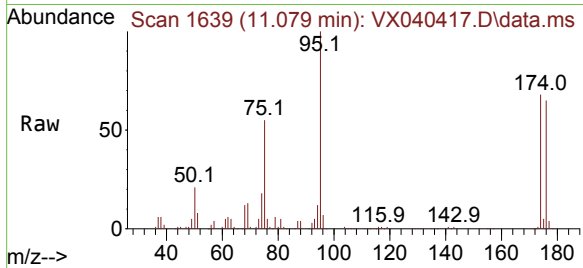




#76
1,2,3-Trichloropropane
Concen: 26.110 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.158 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

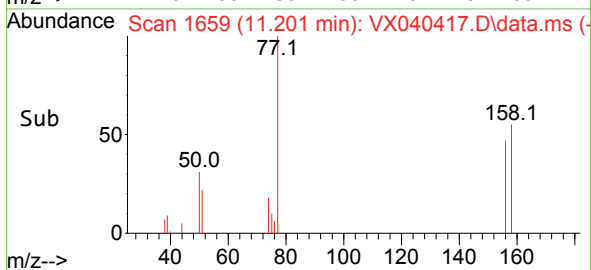
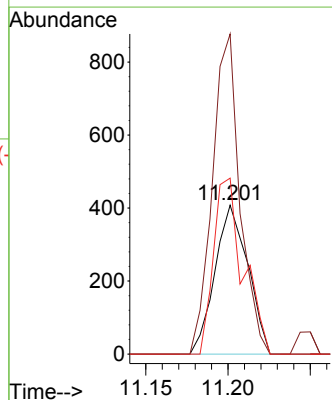
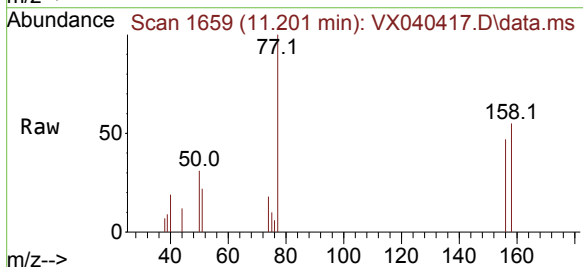
Instrument :
MSVOA_X
ClientSampleId :
IBLK

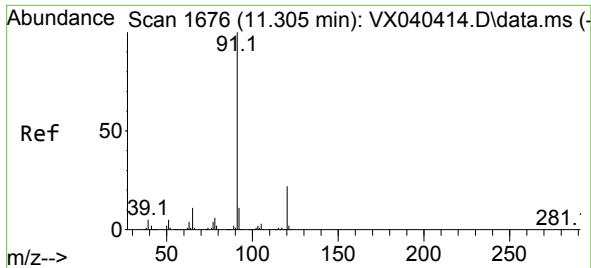
Tgt Ion: 75 Resp: 34549
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#77
Bromobenzene
Concen: 0.552 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

Tgt Ion:156 Resp: 568
Ion Ratio Lower Upper
156 100
77 179.9 88.4 265.3
158 106.5 48.0 144.0

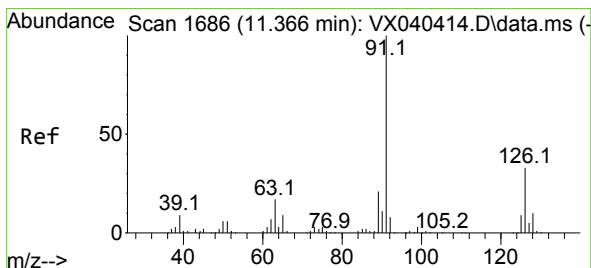
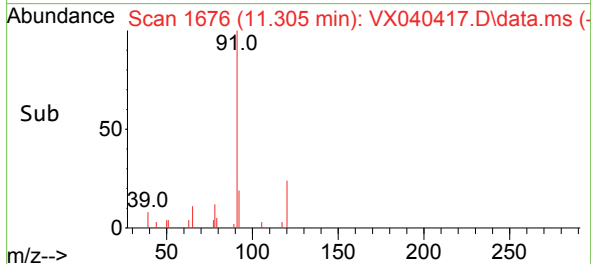
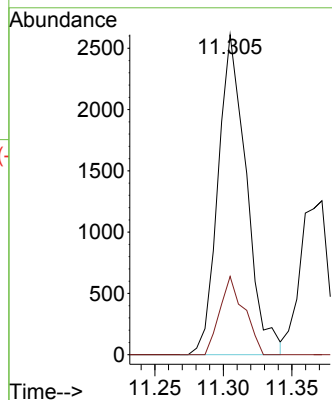
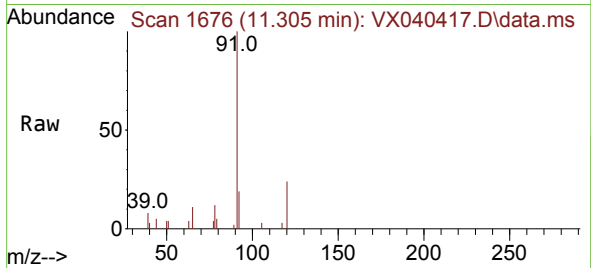




#78
n-propylbenzene
Concen: 0.722 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

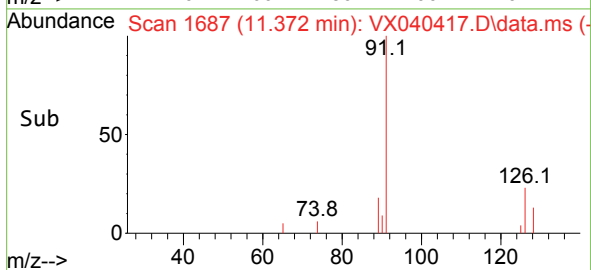
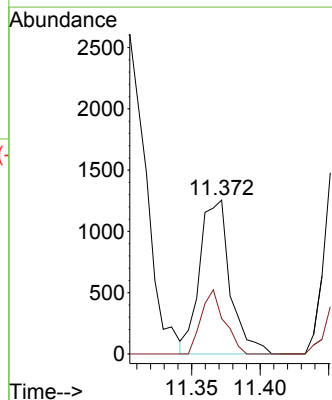
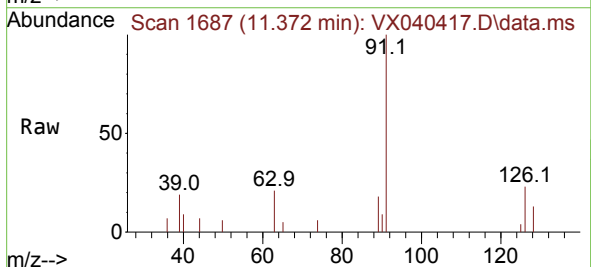
Instrument :
MSVOA_X
ClientSampleId :
IBLK

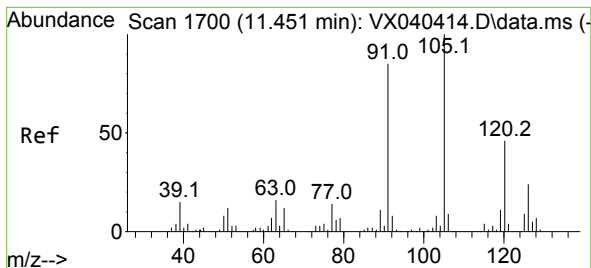
Tgt Ion: 91 Resp: 3755
Ion Ratio Lower Upper
91 100
120 21.0 11.5 34.4



#79
2-Chlorotoluene
Concen: 0.624 ug/l
RT: 11.372 min Scan# 1687
Delta R.T. 0.006 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

Tgt Ion: 91 Resp: 1938
Ion Ratio Lower Upper
91 100
126 31.6 16.3 48.8





#80

1,3,5-Trimethylbenzene

Concen: 0.562 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX040417.D

Acq: 22 Feb 2024 23:51

Instrument :

MSVOA_X

ClientSampleId :

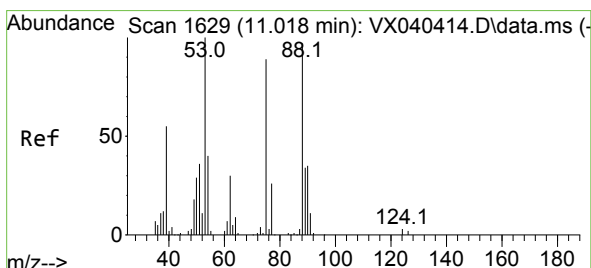
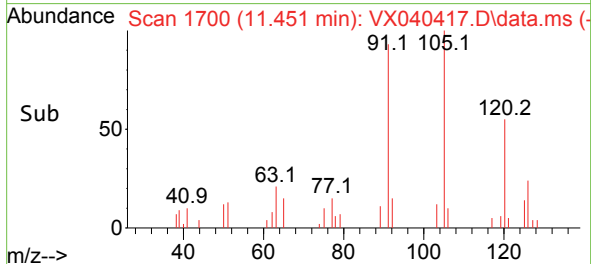
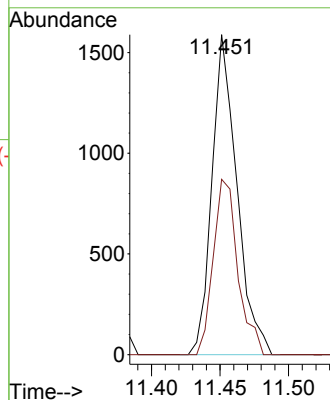
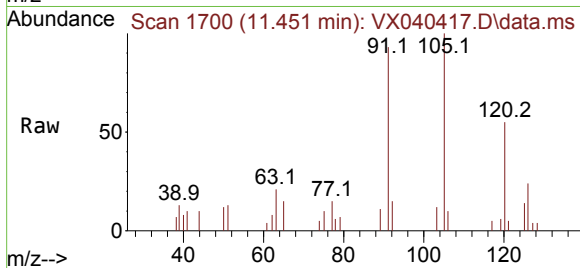
IBLK

Tgt Ion:105 Resp: 2009

Ion Ratio Lower Upper

105 100

120 54.0 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 90.852 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040417.D

Acq: 22 Feb 2024 23:51

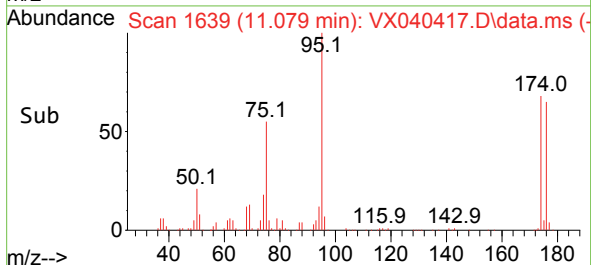
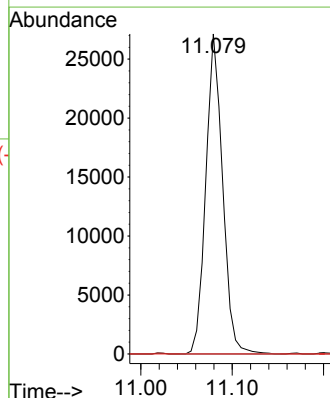
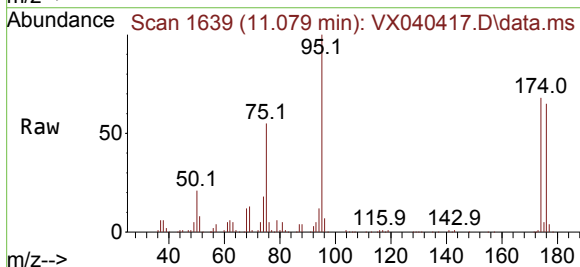
Tgt Ion: 75 Resp: 34549

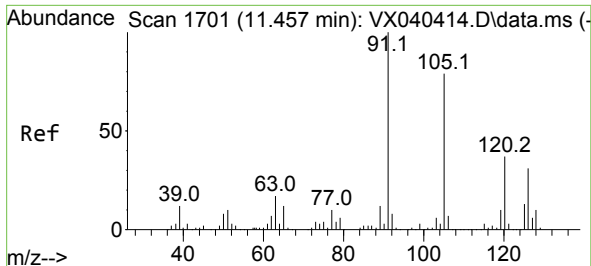
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

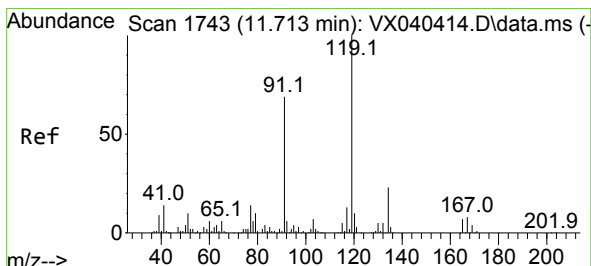
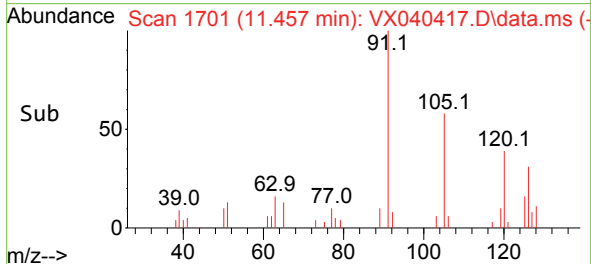
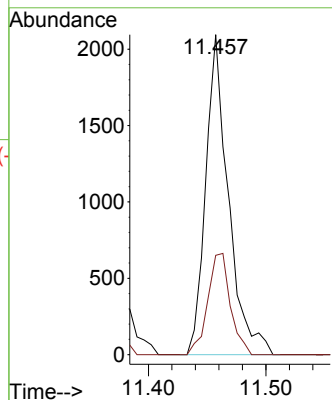
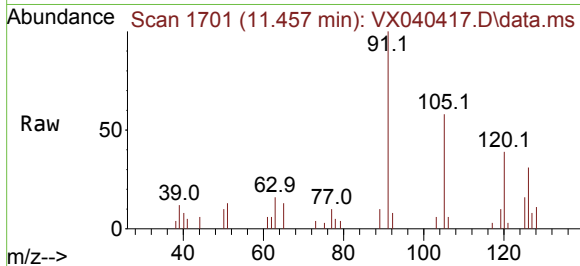




#82
4-Chlorotoluene
Concen: 0.772 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

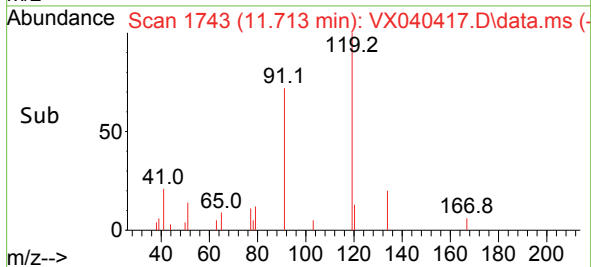
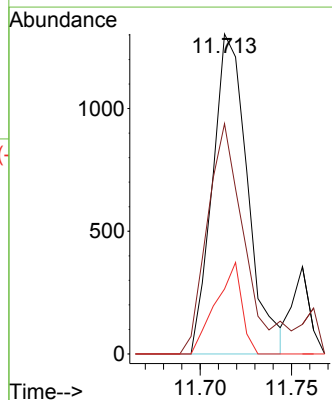
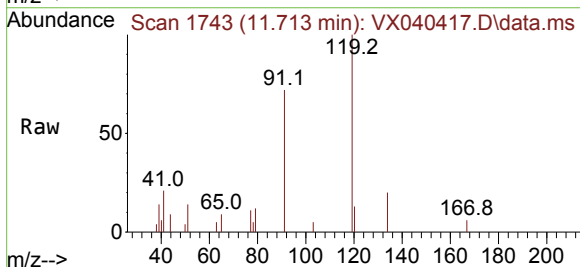
Instrument :
MSVOA_X
ClientSampleId :
IBLK

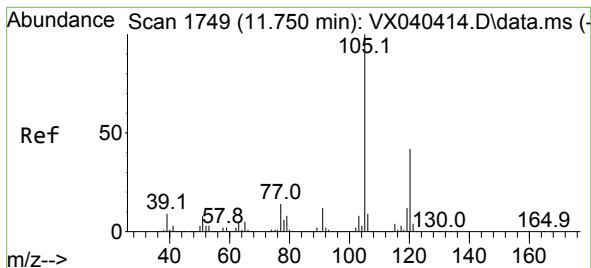
Tgt Ion: 91 Resp: 2809
Ion Ratio Lower Upper
91 100
126 31.6 14.2 42.6



#83
tert-Butylbenzene
Concen: 0.518 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

Tgt Ion: 119 Resp: 1745
Ion Ratio Lower Upper
119 100
91 77.3 31.2 93.6
134 21.2 11.7 35.0





#84

1,2,4-Trimethylbenzene

Concen: 0.636 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX040417.D

Acq: 22 Feb 2024 23:51

Instrument :

MSVOA_X

ClientSampleId :

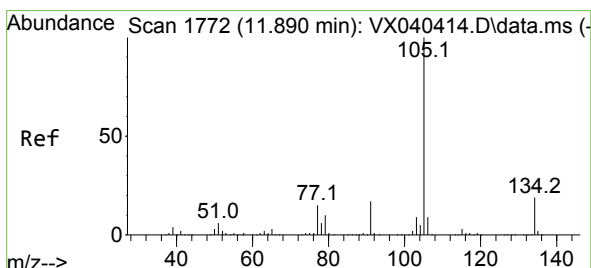
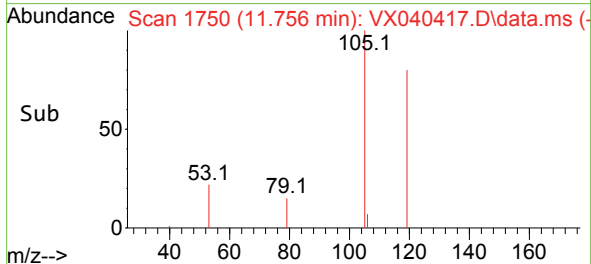
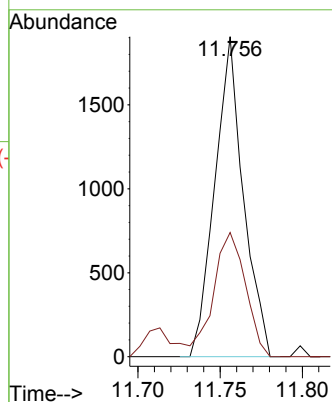
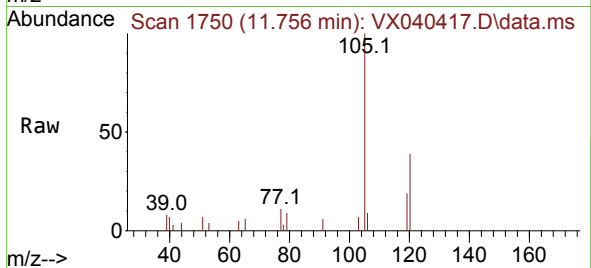
IBLK

Tgt Ion:105 Resp: 2295

Ion Ratio Lower Upper

105 100

120 43.2 21.2 63.6



#85

sec-Butylbenzene

Concen: 0.657 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX040417.D

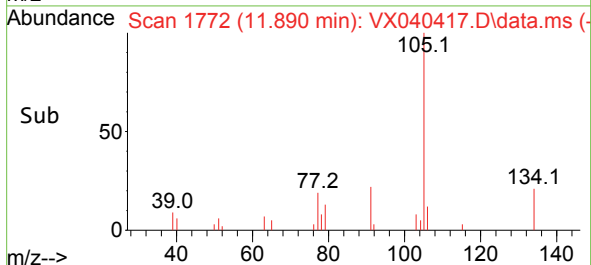
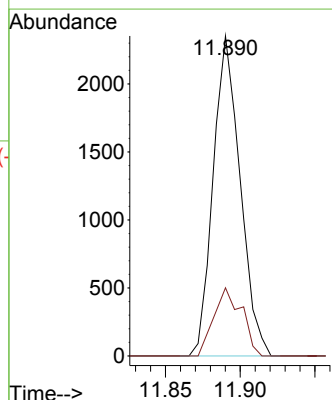
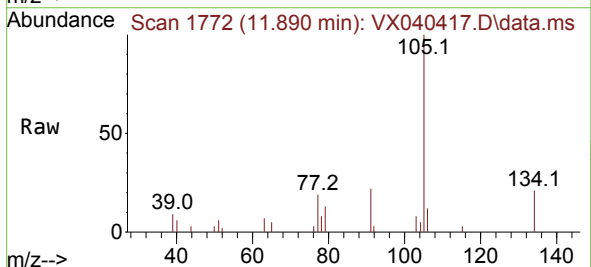
Acq: 22 Feb 2024 23:51

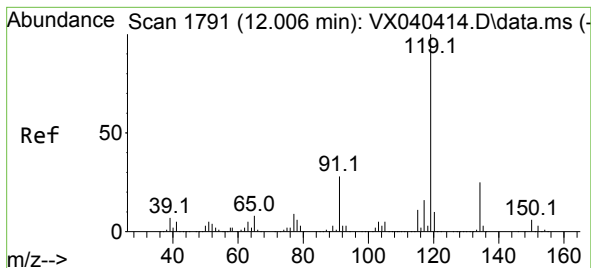
Tgt Ion:105 Resp: 2948

Ion Ratio Lower Upper

105 100

134 22.0 9.8 29.4





#86

p-Isopropyltoluene

Concen: 0.802 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX040417.D

Acq: 22 Feb 2024 23:51

Instrument :

MSVOA_X

ClientSampleId :

IBLK

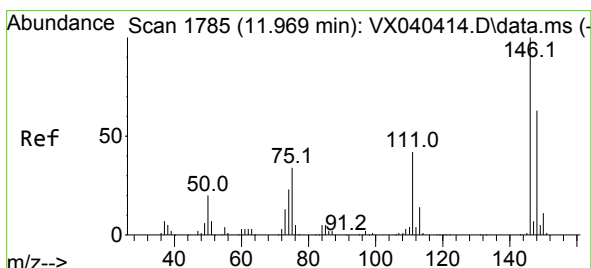
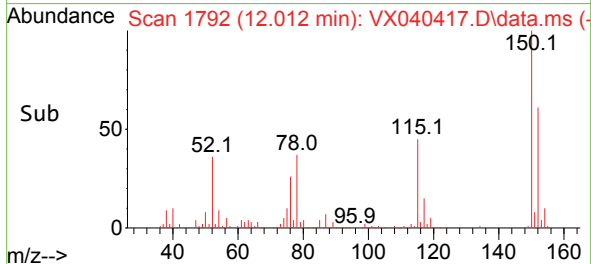
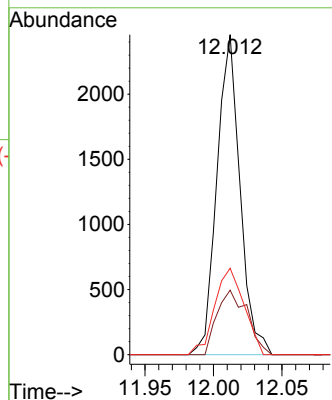
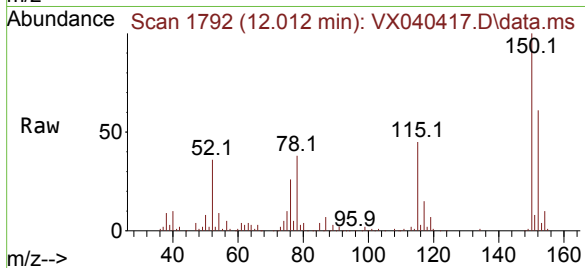
Tgt Ion:119 Resp: 2876

Ion Ratio Lower Upper

119 100

134 26.4 12.8 38.3

91 34.4 13.1 39.3



#87

1,3-Dichlorobenzene

Concen: 0.941 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX040417.D

Acq: 22 Feb 2024 23:51

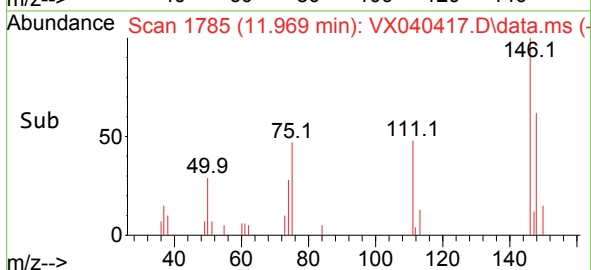
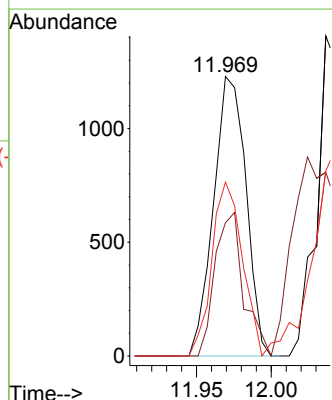
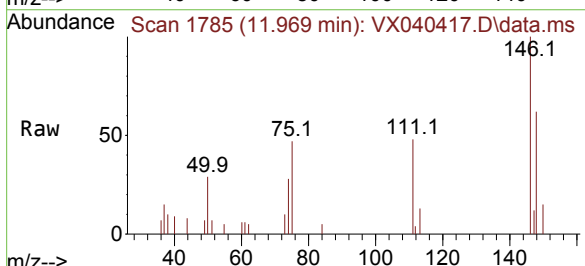
Tgt Ion:146 Resp: 1851

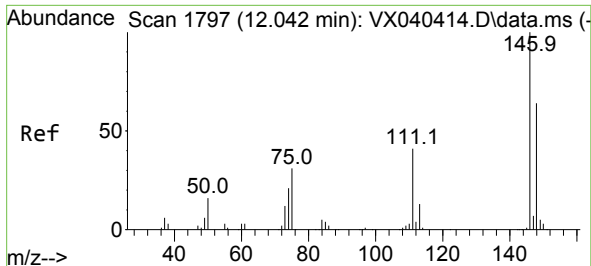
Ion Ratio Lower Upper

146 100

111 45.5 22.1 66.1

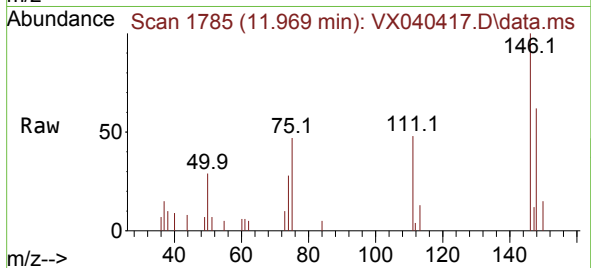
148 59.5 31.8 95.3



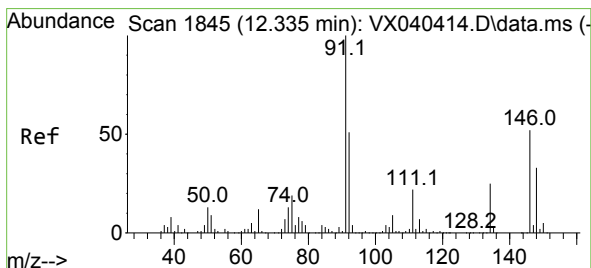
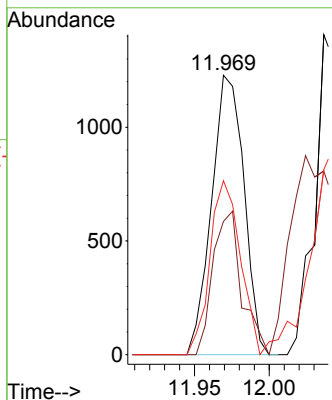
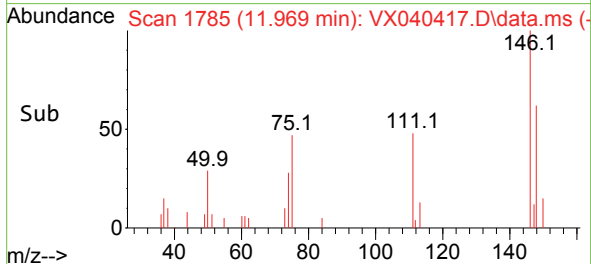


#88
1,4-Dichlorobenzene
Concen: 0.907 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.073 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51

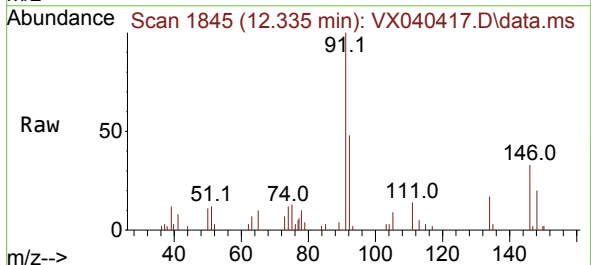
Instrument :
MSVOA_X
ClientSampleId :
IBLK



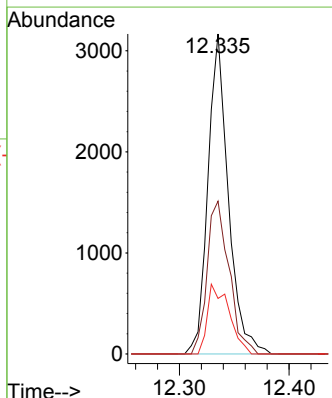
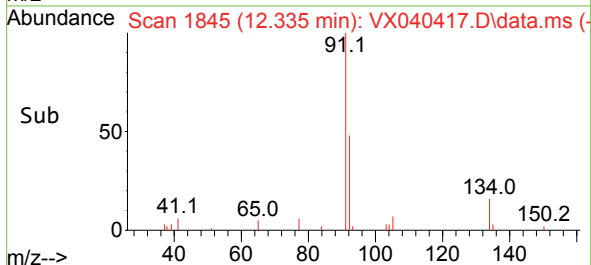
Tgt Ion:146 Resp: 1851
Ion Ratio Lower Upper
146 100
111 45.5 21.3 63.7
148 59.5 31.8 95.4

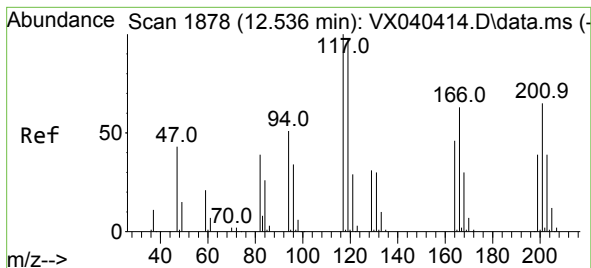


#89
n-Butylbenzene
Concen: 1.158 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX040417.D
Acq: 22 Feb 2024 23:51



Tgt Ion: 91 Resp: 4087
Ion Ratio Lower Upper
91 100
92 51.7 27.4 82.0
134 23.2 12.6 37.8





#90

Hexachloroethane

Concen: 0.484 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX040417.D

Acq: 22 Feb 2024 23:51

Instrument :

MSVOA_X

ClientSampleId :

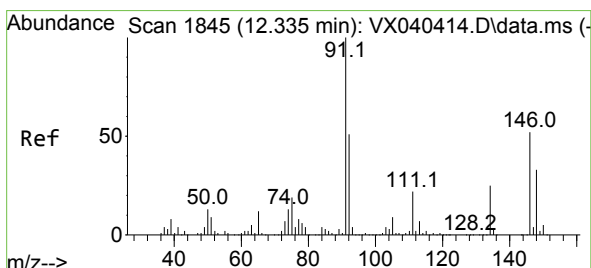
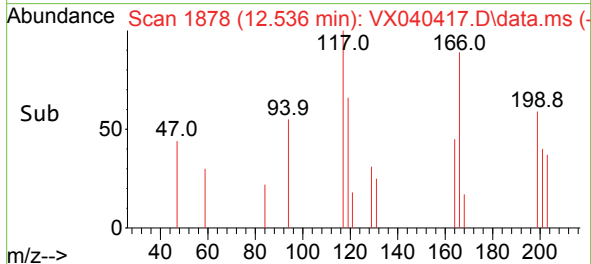
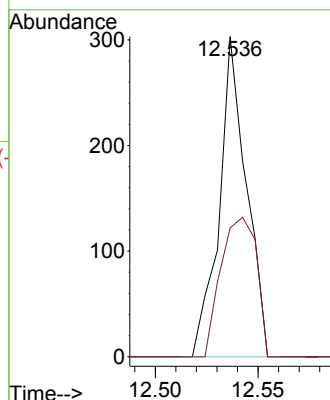
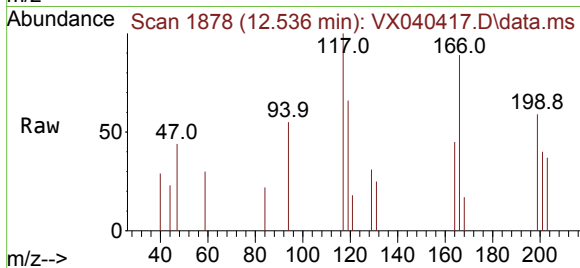
IBLK

Tgt Ion:117 Resp: 278

Ion Ratio Lower Upper

117 100

201 57.6 32.9 98.6



#91

1,2-Dichlorobenzene

Concen: 0.762 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX040417.D

Acq: 22 Feb 2024 23:51

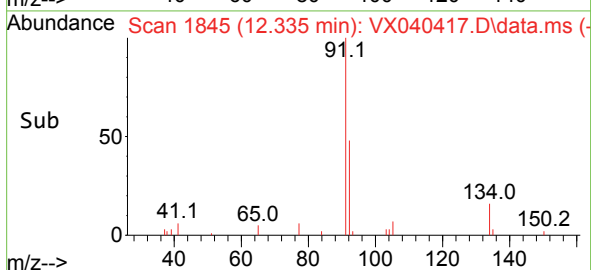
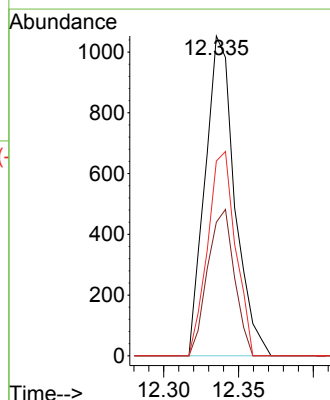
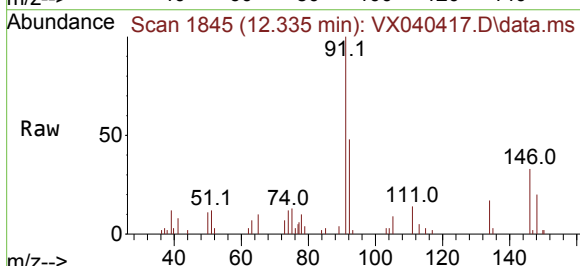
Tgt Ion:146 Resp: 1450

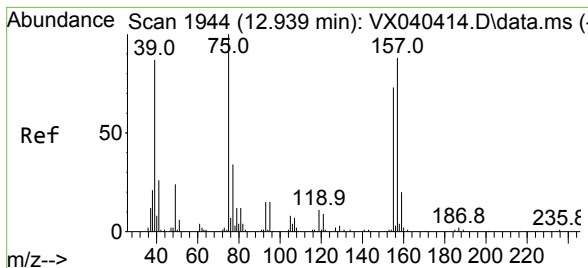
Ion Ratio Lower Upper

146 100

111 41.4 22.4 67.0

148 60.0 31.6 95.0

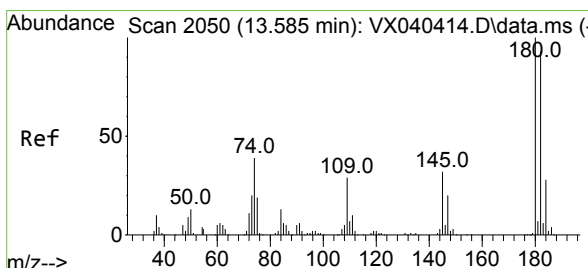
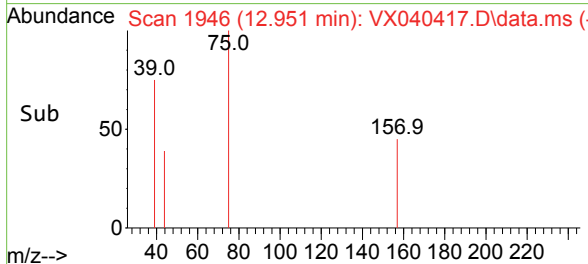
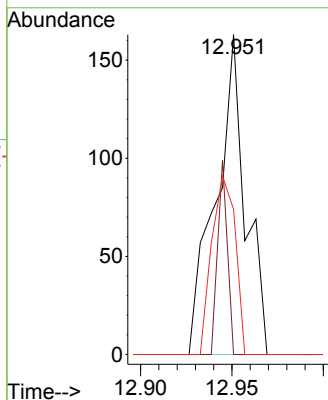
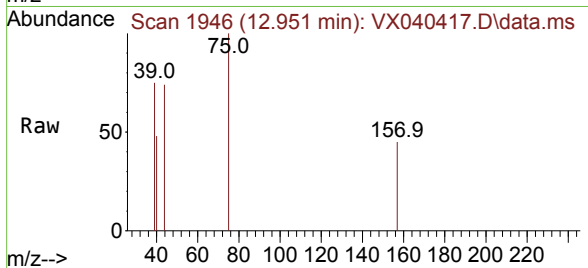




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.536 ug/l
 RT: 12.951 min Scan# 1946
 Delta R.T. 0.012 min
 Lab File: VX040417.D
 Acq: 22 Feb 2024 23:51

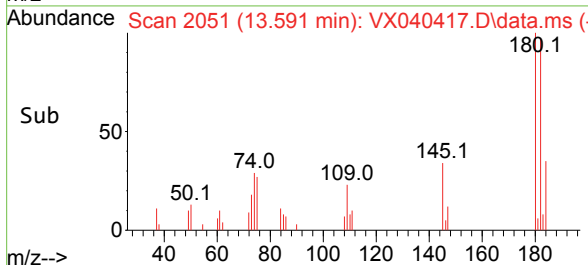
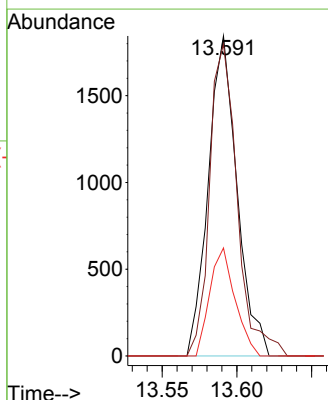
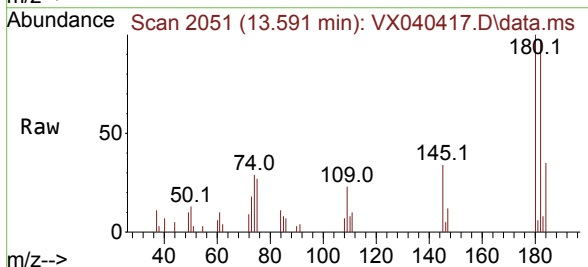
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

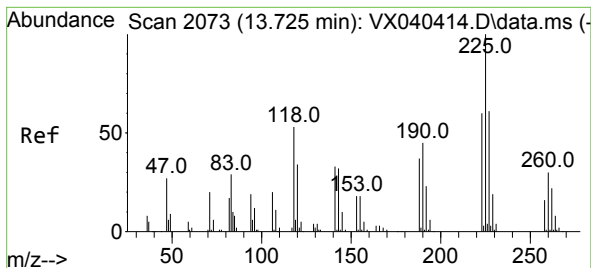
Tgt Ion: 75 Resp: 184
 Ion Ratio Lower Upper
 75 100
 155 19.6 36.1 108.5#
 157 44.0 44.9 134.7#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.015 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.006 min
 Lab File: VX040417.D
 Acq: 22 Feb 2024 23:51

Tgt Ion: 180 Resp: 2469
 Ion Ratio Lower Upper
 180 100
 182 93.3 48.3 144.8
 145 29.7 18.0 54.0





#94

Hexachlorobutadiene

Concen: 4.598 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX040417.D

Acq: 22 Feb 2024 23:51

Instrument :

MSVOA_X

ClientSampleId :

IBLK

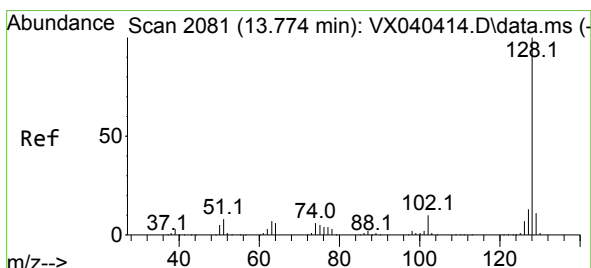
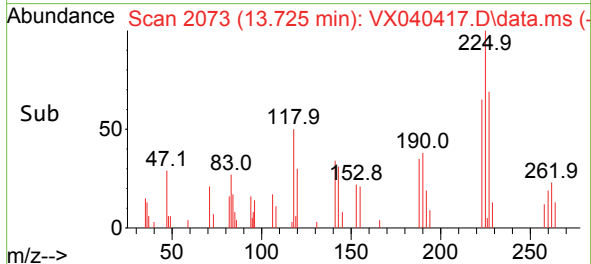
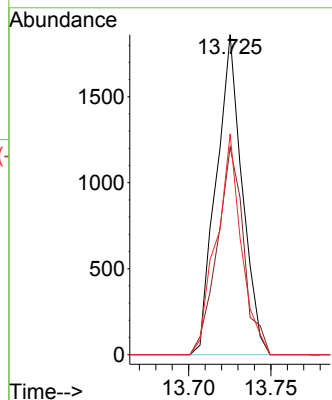
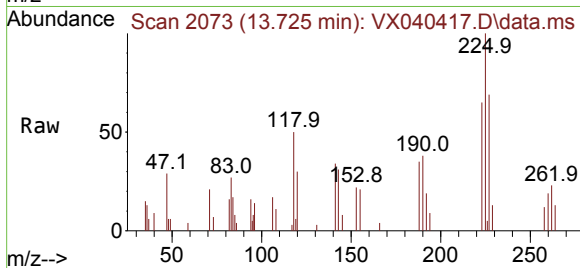
Tgt Ion:225 Resp: 2040

Ion Ratio Lower Upper

225 100

223 66.6 31.1 93.2

227 66.5 32.5 97.5



#95

Naphthalene

Concen: 2.169 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX040417.D

Acq: 22 Feb 2024 23:51

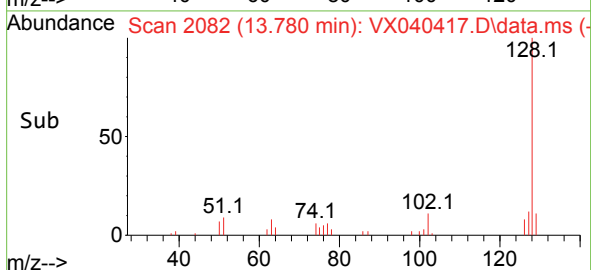
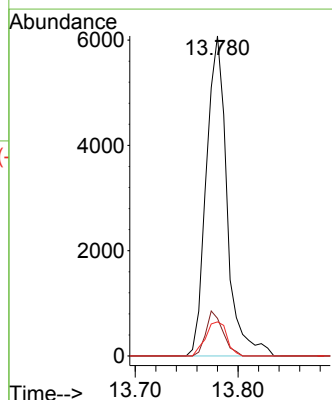
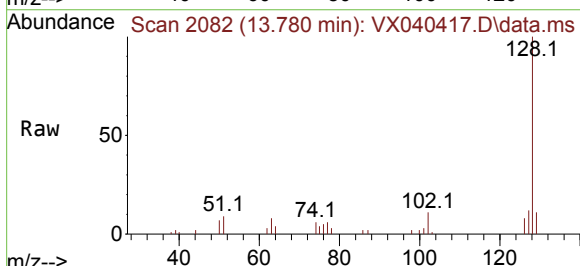
Tgt Ion:128 Resp: 8527

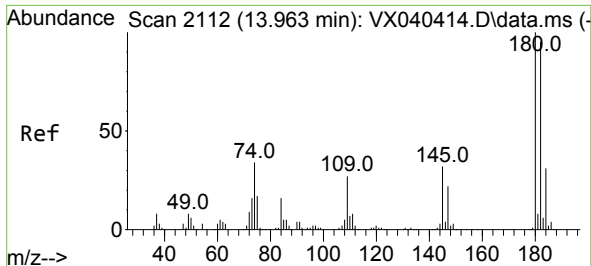
Ion Ratio Lower Upper

128 100

127 11.6 10.3 15.5

129 11.0 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 1.968 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX040417.D
 Acq: 22 Feb 2024 23:51

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Tgt Ion:180 Resp: 2321
 Ion Ratio Lower Upper
 180 100
 182 90.4 46.9 140.6
 145 35.4 17.8 53.5

