

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081524\
 Data File : VX043053.D
 Acq On : 15 Aug 2024 11:18
 Operator : JC/MD
 Sample : P3410-01DL 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-S-864-9-14-073024DL

Quant Time: Aug 16 01:38:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081424W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 04:22:11 2024
 Response via : Initial Calibration

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

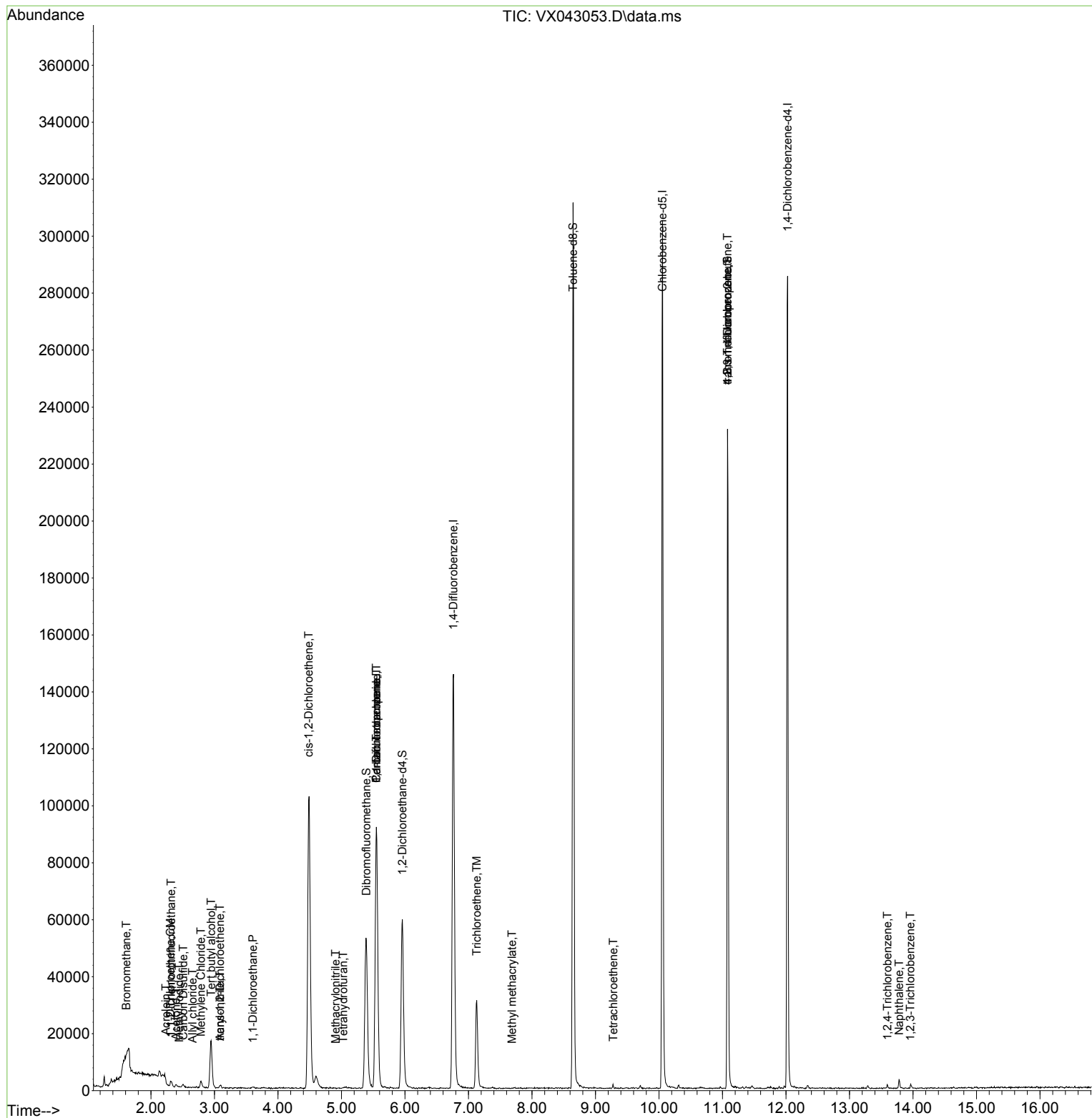
Internal Standards						
1) Pentafluorobenzene	5.550	168	91818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	157091	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	137603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	54956	45.550	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.100%
35) Dibromofluoromethane	5.391	113	48646	50.056	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.120%
50) Toluene-d8	8.647	98	189790	50.591	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.180%
62) 4-Bromofluorobenzene	11.079	95	63902	46.977	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.960%
Target Compounds						Qvalue
5) Bromomethane	1.612	94	445	1.064	ug/l #	40
9) 1,1,2-Trichlorotrifluo...	2.319	101	686	0.665	ug/l	89
10) Methyl Iodide	2.447	142	143	0.571	ug/l #	34
11) Tert butyl alcohol	2.947	59	9997	32.115	ug/l #	82
12) 1,1-Dichloroethene	2.307	96	311	0.281	ug/l #	54
13) Acrolein	2.233	56	534	1.697	ug/l #	1
14) Allyl chloride	2.654	41	557	0.268	ug/l #	78
15) Acrylonitrile	3.087	53	292	0.379	ug/l #	30
16) Acetone	2.392	43	849	1.419	ug/l #	80
17) Carbon Disulfide	2.508	76	1241	0.391	ug/l #	71
20) Methylene Chloride	2.788	84	1467	1.060	ug/l	89
21) trans-1,2-Dichloroethene	3.087	96	390	0.338	ug/l	85
24) 1,1-Dichloroethane	3.605	63	539	0.252	ug/l #	83
27) cis-1,2-Dichloroethene	4.483	96	68434	49.087	ug/l	82
29) Tetrahydrofuran	5.026	42	162	0.223	ug/l #	34
36) 1,1-Dichloropropene	5.550	75	7040	5.214	ug/l #	51
38) Carbon Tetrachloride	5.550	117	8983	6.580	ug/l #	16
41) Methacrylonitrile	4.910	41	244	0.243	ug/l #	34
44) Trichloroethene	7.129	130	12927	12.411	ug/l	92
48) Methyl methacrylate	7.684	41	56	0.445	ug/l #	16
64) Tetrachloroethene	9.281	164	181	0.204	ug/l #	87
76) 1,2,3-Trichloropropane	11.079	75	32396	23.234	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	32396	50.678	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.597	180	541	0.476	ug/l	71
95) Naphthalene	13.780	128	2981	0.663	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.957	180	477	0.410	ug/l	91

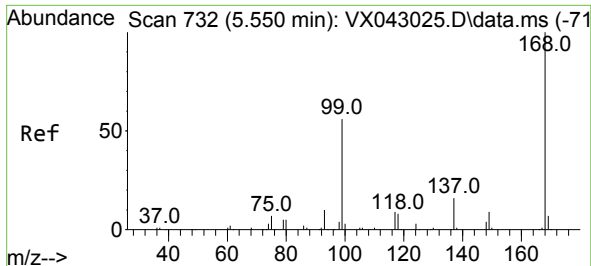
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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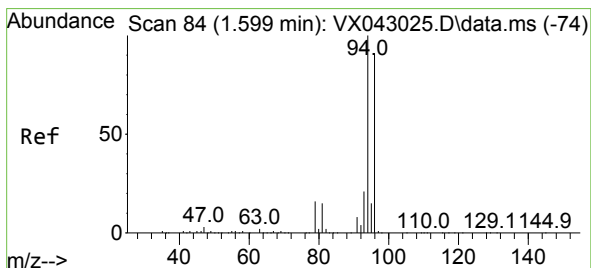
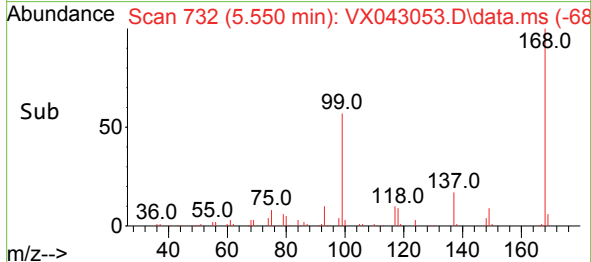
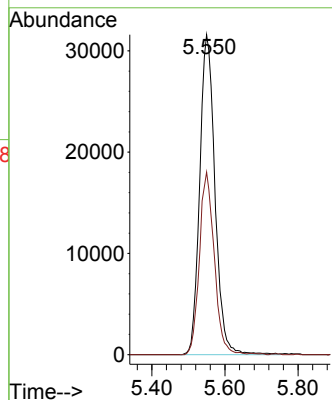
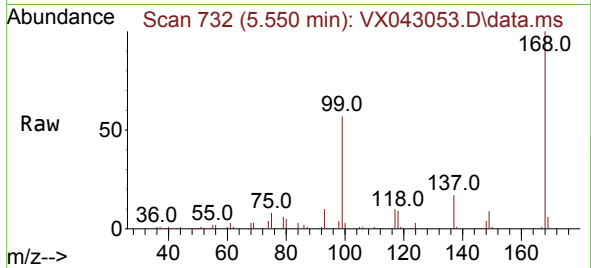




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043053.D
Acq: 15 Aug 2024 11:18

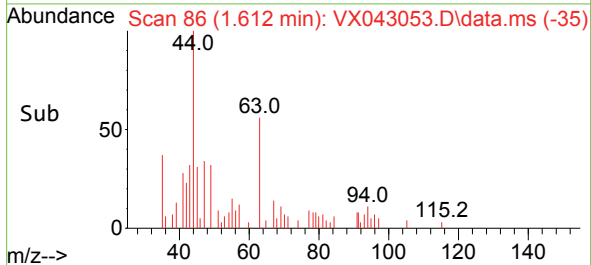
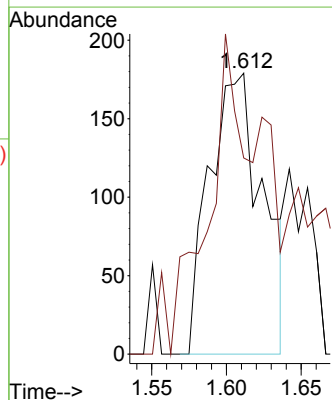
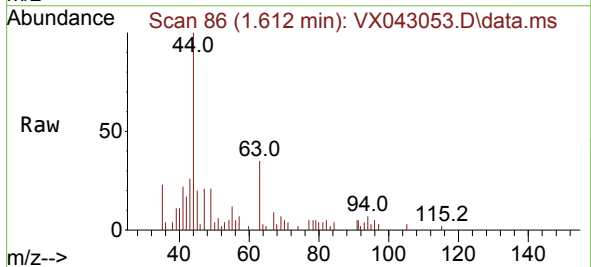
Instrument :
MSVOA_X
ClientSampleId :
GW-S-864-9-14-073024DL

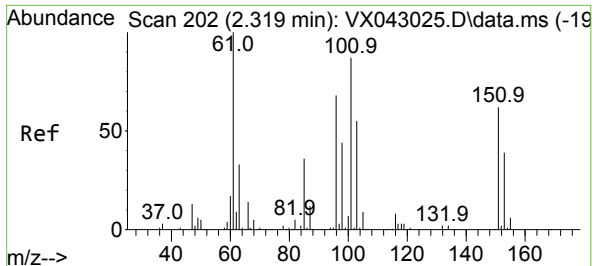
Tgt Ion:168 Resp: 91818
Ion Ratio Lower Upper
168 100
99 57.1 56.6 85.0



#5
Bromomethane
Concen: 1.064 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX043053.D
Acq: 15 Aug 2024 11:18

Tgt Ion: 94 Resp: 445
Ion Ratio Lower Upper
94 100
96 35.2 74.6 111.8#

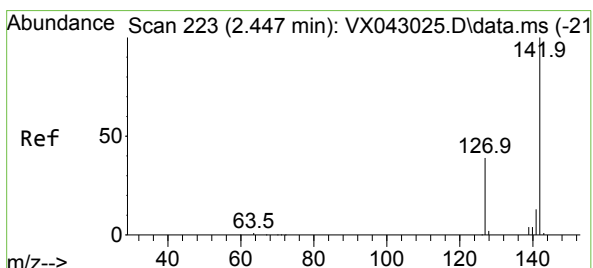
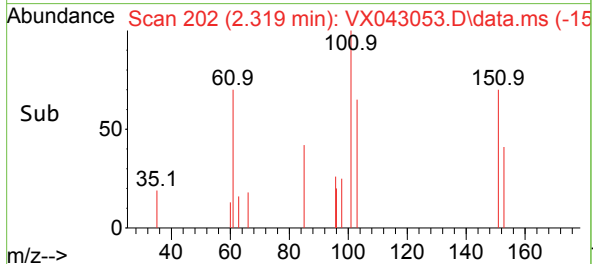
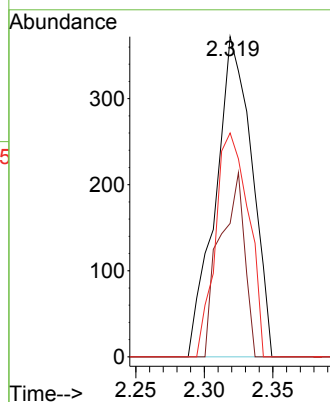
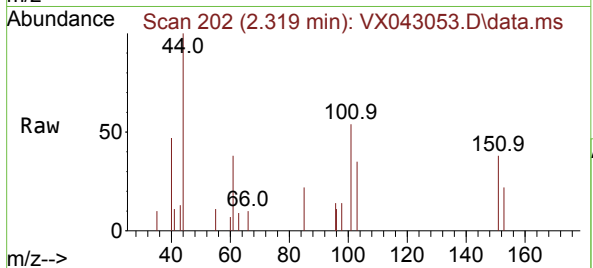




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.665 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX043053.D
Acq: 15 Aug 2024 11:18

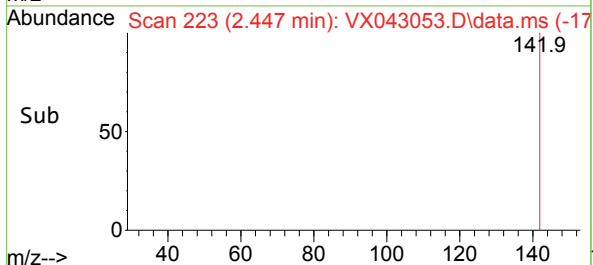
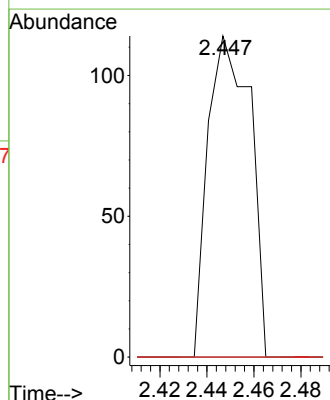
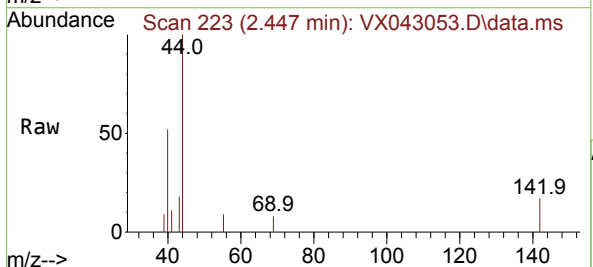
Instrument :
MSVOA_X
ClientSampleId :
GW-S-864-9-14-073024DL

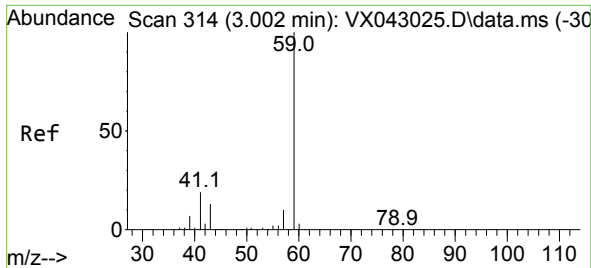
Tgt Ion:101 Resp: 686
Ion Ratio Lower Upper
101 100
85 39.1 37.0 55.6
151 63.6 58.6 87.8



#10
Methyl Iodide
Concen: 0.571 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX043053.D
Acq: 15 Aug 2024 11:18

Tgt Ion:142 Resp: 143
Ion Ratio Lower Upper
142 100
127 0.0 41.6 62.4#
141 0.0 11.6 17.4#

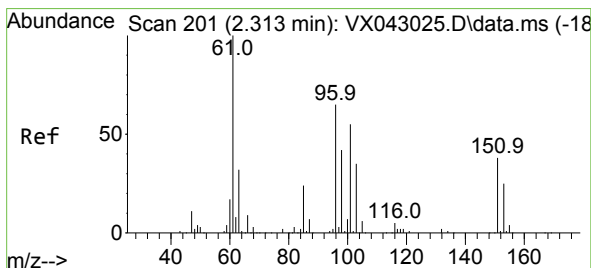
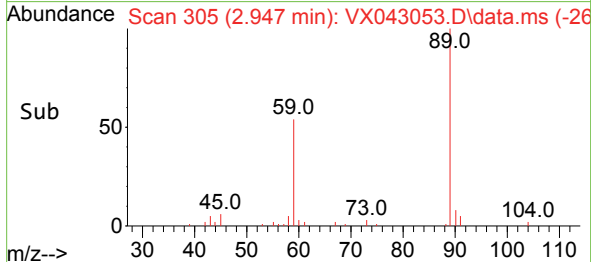
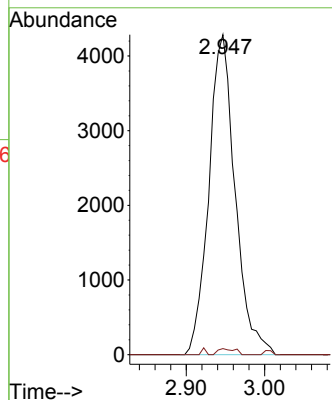
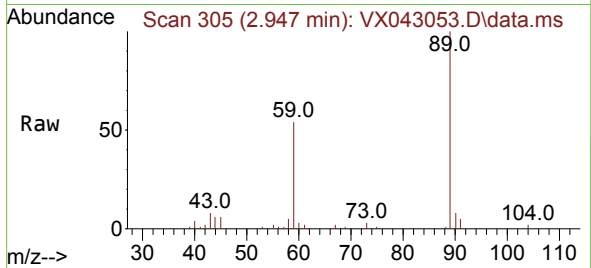




#11
Tert butyl alcohol
Concen: 32.115 ug/l
RT: 2.947 min Scan# 30
Delta R.T. -0.055 min
Lab File: VX043053.D
Acq: 15 Aug 2024 11:18

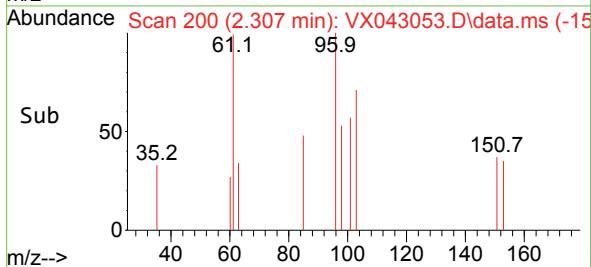
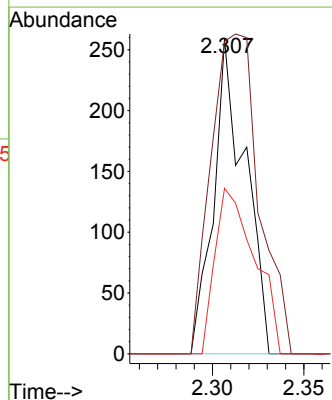
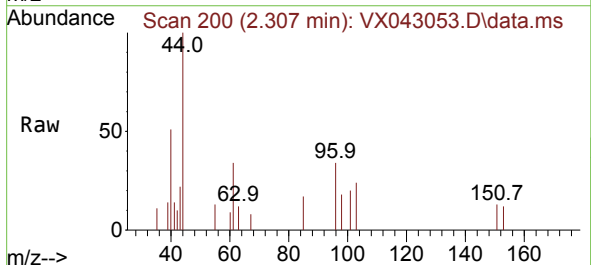
Instrument :
MSVOA_X
ClientSampleId :
GW-S-864-9-14-073024DL

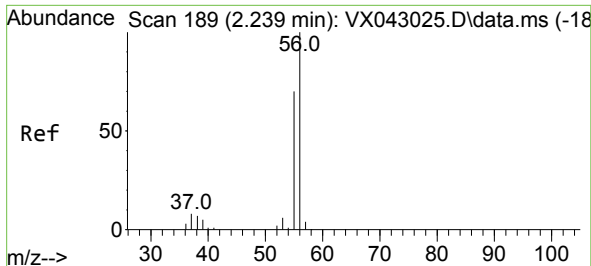
Tgt Ion: 59 Resp: 9997
Ion Ratio Lower Upper
59 100
57 1.2 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 0.281 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX043053.D
Acq: 15 Aug 2024 11:18

Tgt Ion: 96 Resp: 311
Ion Ratio Lower Upper
96 100
61 99.2 144.6 216.8#
98 52.5 50.4 75.6





#13

Acrolein

Concen: 1.697 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX043053.D

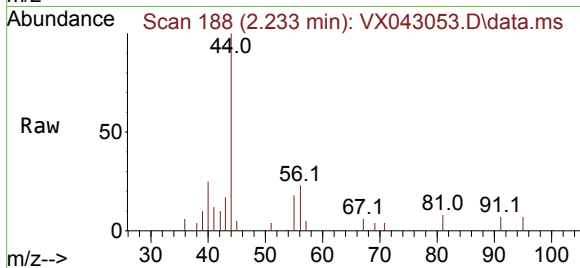
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Instrument :

MSVOA_X

ClientSampleId :

GW-S-864-9-14-073024DL

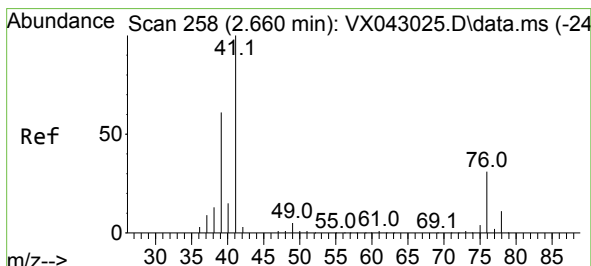
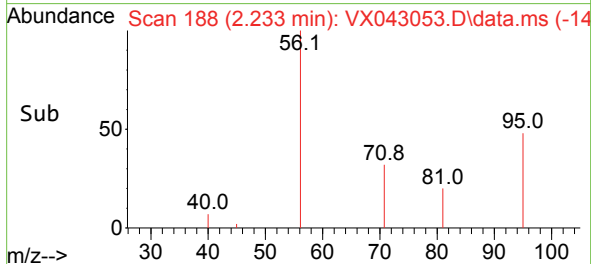
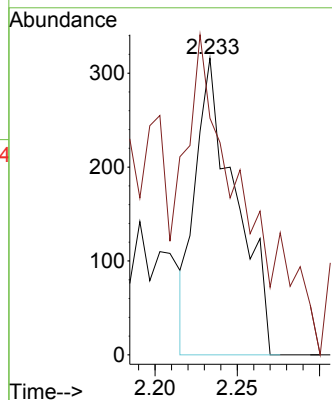


Tgt Ion: 56 Resp: 534

Ion Ratio Lower Upper

56 100

55 159.0 57.1 85.7#



#14

Allyl chloride

Concen: 0.268 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX043053.D

Acq: 15 Aug 2024 11:18

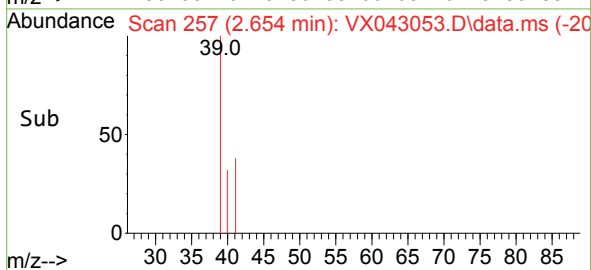
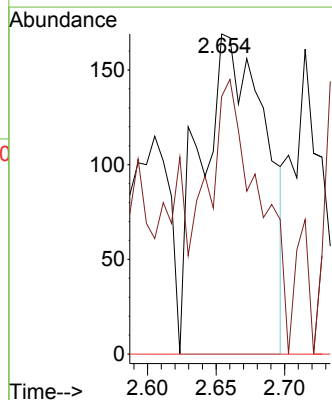
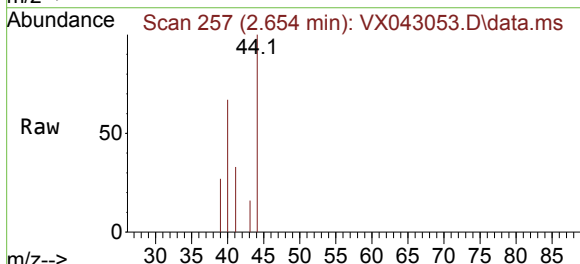
Tgt Ion: 41 Resp: 557

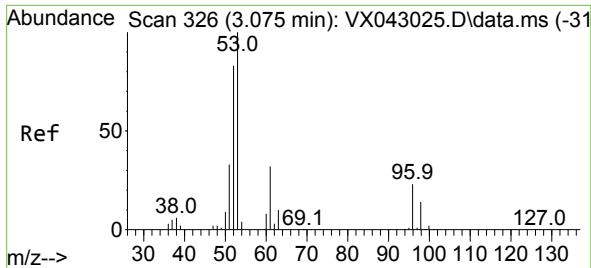
Ion Ratio Lower Upper

41 100

39 63.9 55.8 83.6

76 0.0 24.3 36.5#

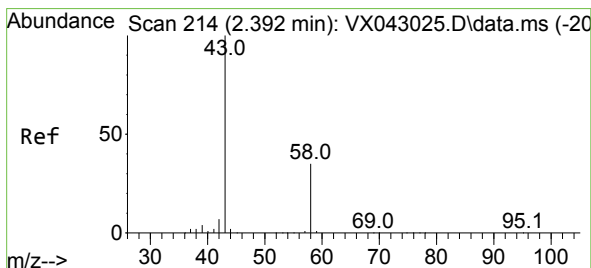
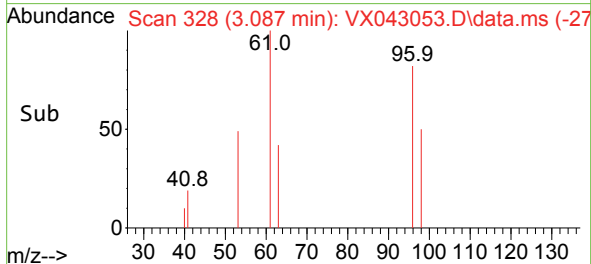
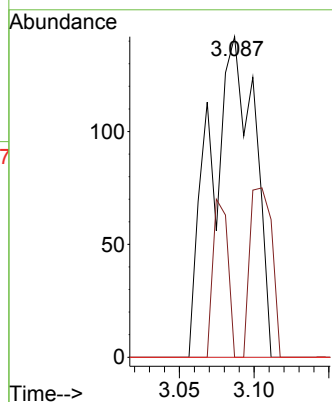
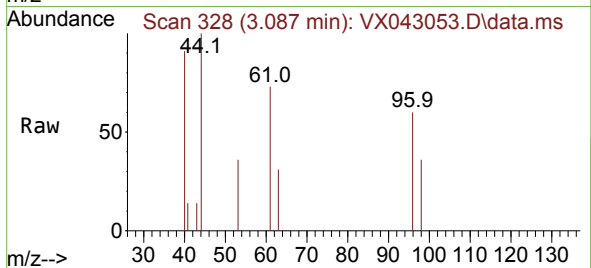




#15
Acrylonitrile
Concen: 0.379 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX043053.D
Acq: 15 Aug 2024 11:18

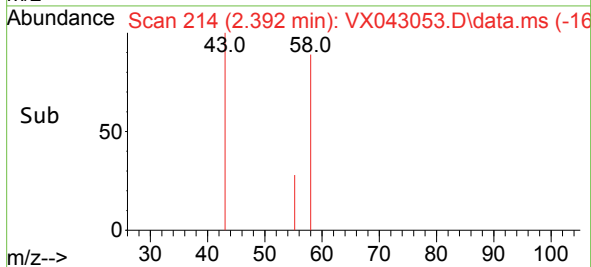
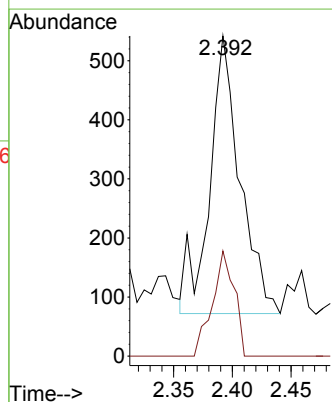
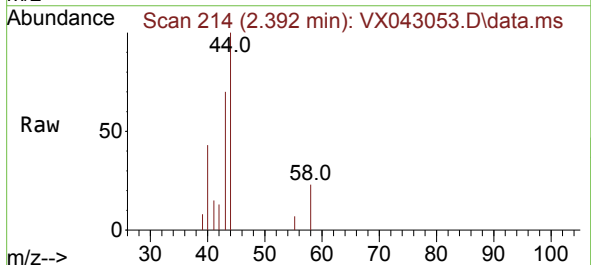
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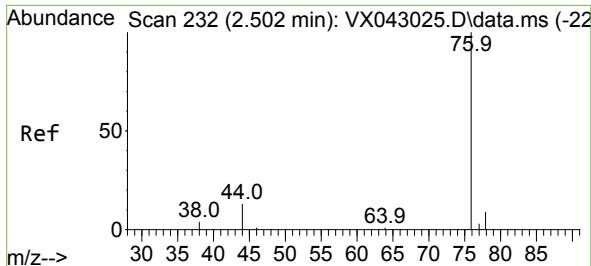
Tgt Ion: 53 Resp: 292
Ion Ratio Lower Upper
53 100
52 16.8 66.0 99.0#
51 0.0 29.8 44.6#



#16
Acetone
Concen: 1.419 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX043053.D
Acq: 15 Aug 2024 11:18

Tgt Ion: 43 Resp: 849
Ion Ratio Lower Upper
43 100
58 37.9 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.391 ug/l

RT: 2.508 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX043053.D

Acq: 15 Aug 2024 11:18

Instrument :

MSVOA_X

ClientSampleId :

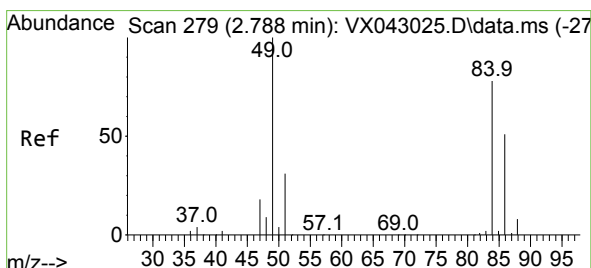
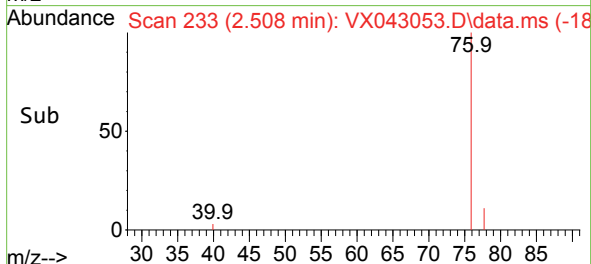
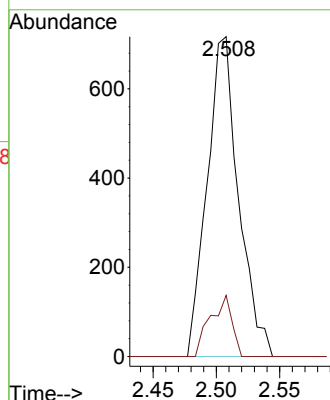
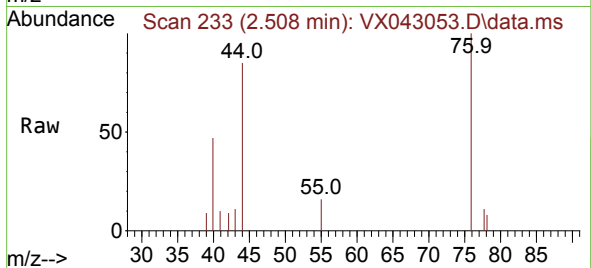
GW-S-864-9-14-073024DL

Tgt Ion: 76 Resp: 1241

Ion Ratio Lower Upper

76 100

78 19.1 7.0 10.6#



#20

Methylene Chloride

Concen: 1.060 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX043053.D

Acq: 15 Aug 2024 11:18

Tgt Ion: 84 Resp: 1467

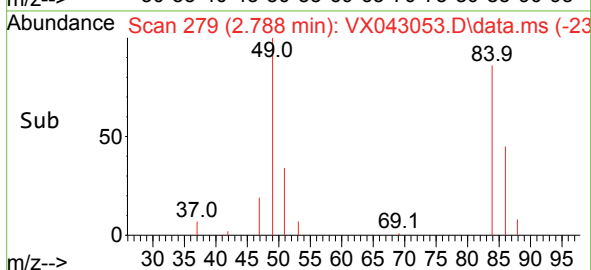
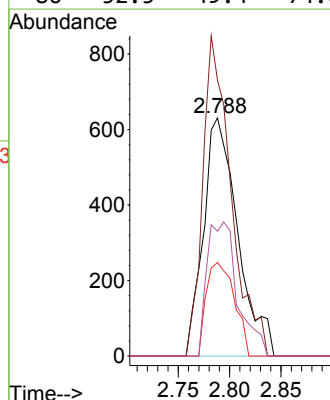
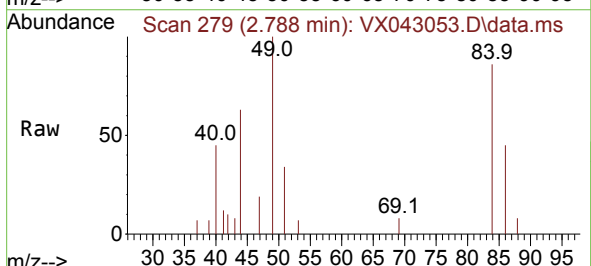
Ion Ratio Lower Upper

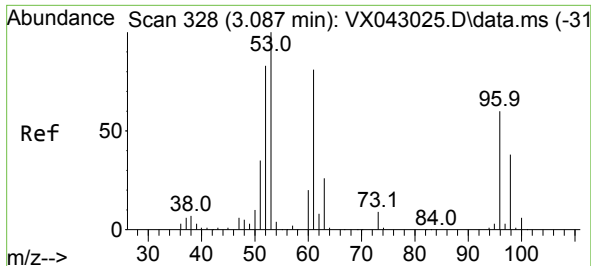
84 100

49 115.8 103.6 155.4

51 39.3 33.8 50.6

86 52.5 49.4 74.0

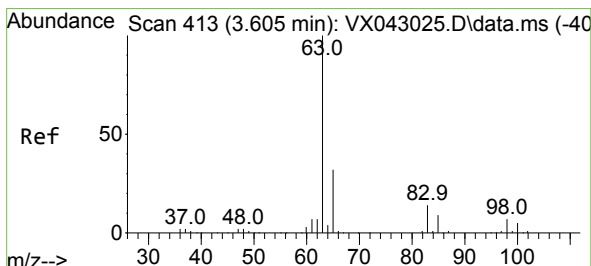
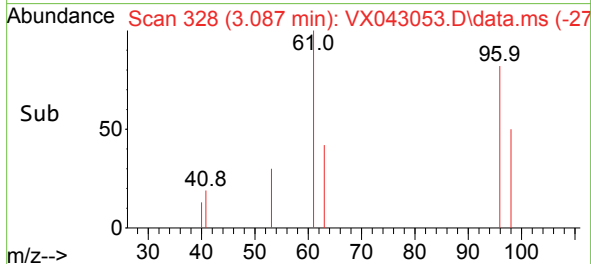
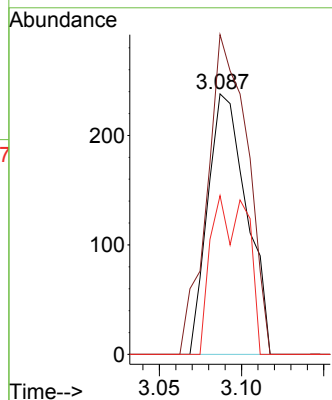
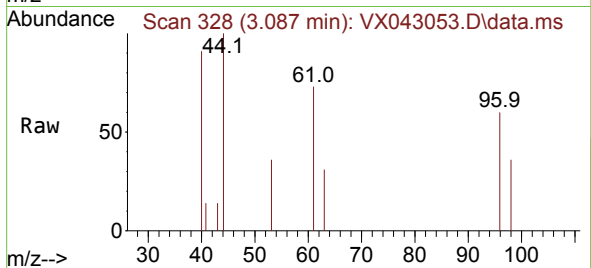




#21
trans-1,2-Dichloroethene
Concen: 0.338 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX043053.D
Acq: 15 Aug 2024 11:18

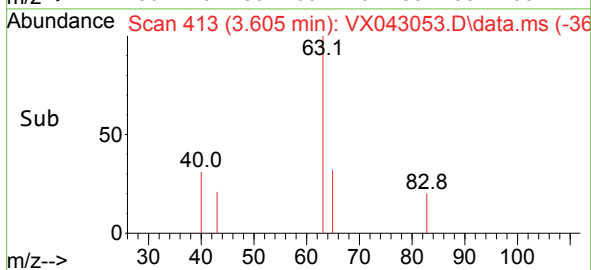
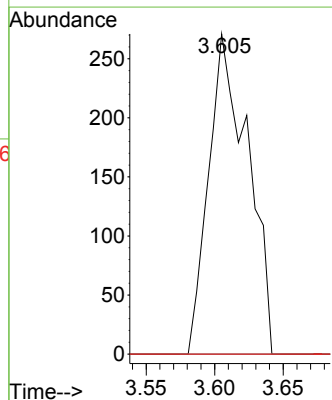
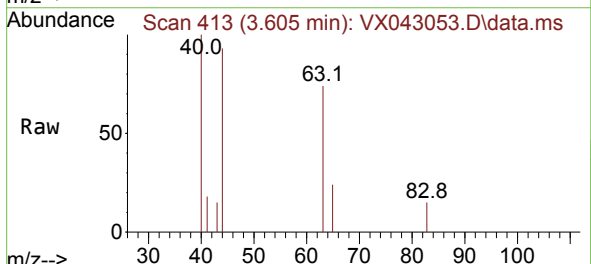
Instrument :
MSVOA_X
ClientSampleId :
GW-S-864-9-14-073024DL

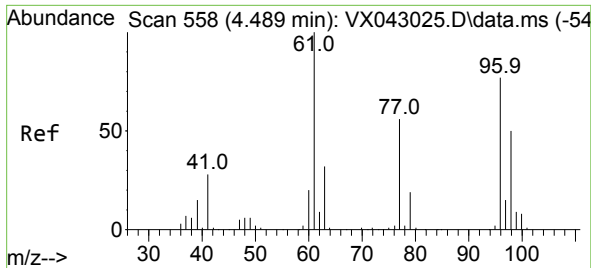
Tgt Ion: 96 Resp: 390
Ion Ratio Lower Upper
96 100
61 122.7 119.2 178.8
98 60.9 48.7 73.1



#24
1,1-Dichloroethane
Concen: 0.252 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX043053.D
Acq: 15 Aug 2024 11:18

Tgt Ion: 63 Resp: 539
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#

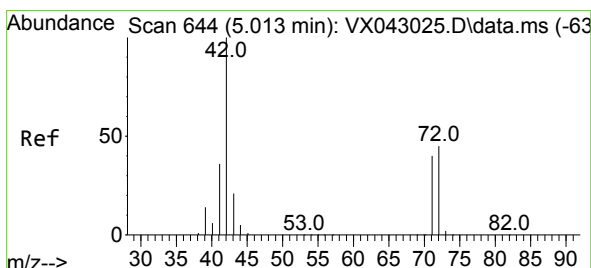
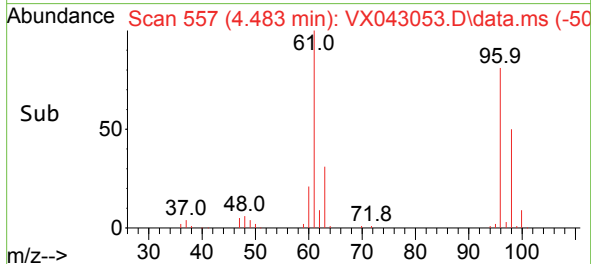
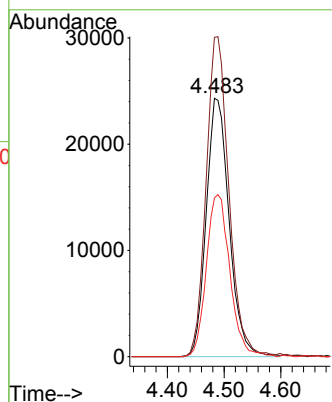
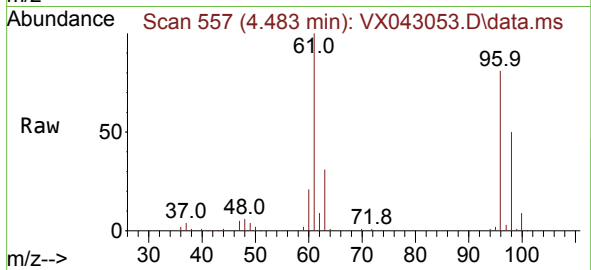




#27
 cis-1,2-Dichloroethene
 Concen: 49.087 ug/l
 RT: 4.483 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VX043053.D
 Acq: 15 Aug 2024 11:18

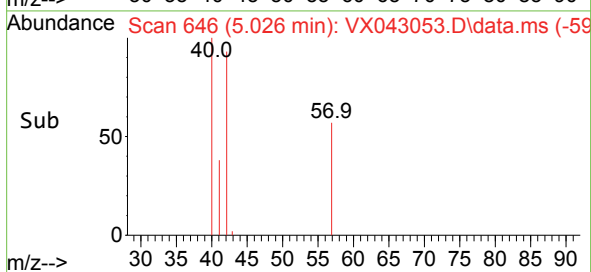
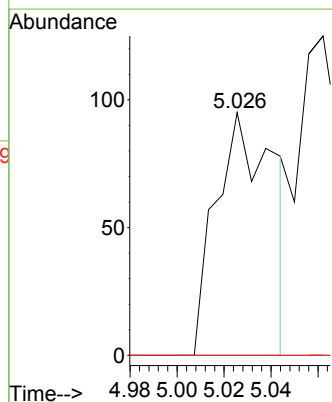
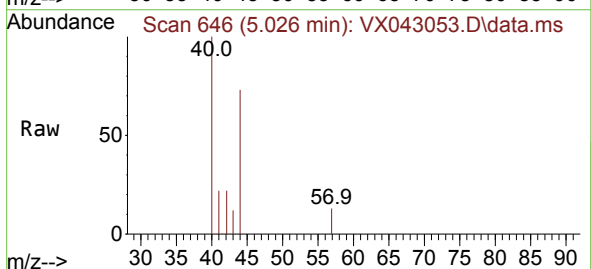
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-S-864-9-14-073024DL

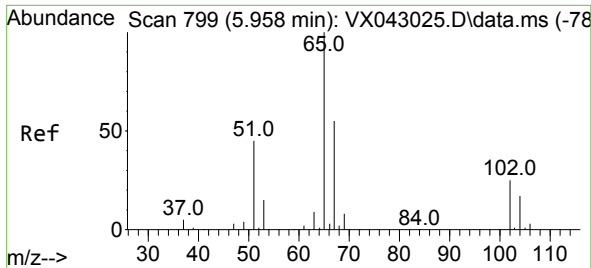
Tgt Ion:	96	Resp:	68434
Ion	Ratio	Lower	Upper
96	100		
61	122.7	0.0	312.2
98	64.3	0.0	129.0



#29
 Tetrahydrofuran
 Concen: 0.223 ug/l
 RT: 5.026 min Scan# 646
 Delta R.T. 0.012 min
 Lab File: VX043053.D
 Acq: 15 Aug 2024 11:18

Tgt Ion:	42	Resp:	162
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.4#
71	0.0	32.2	48.2#

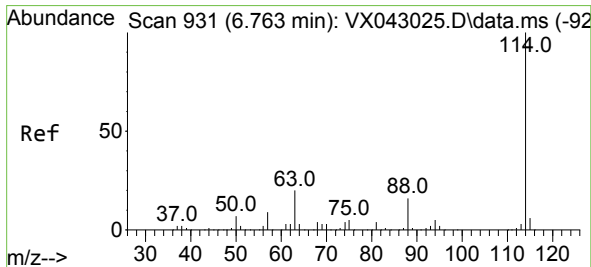
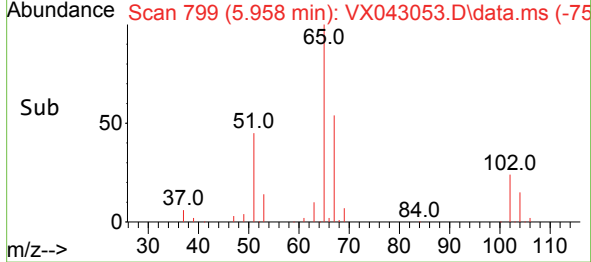
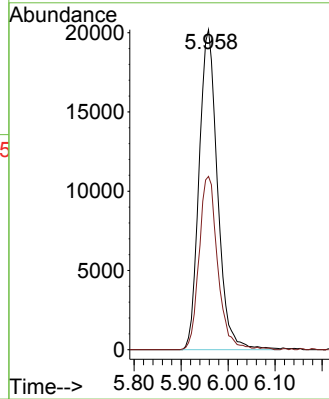
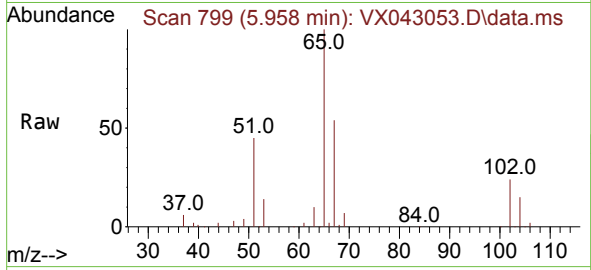




#33
 1,2-Dichloroethane-d4
 Concen: 45.550 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX043053.D
 Acq: 15 Aug 2024 11:18

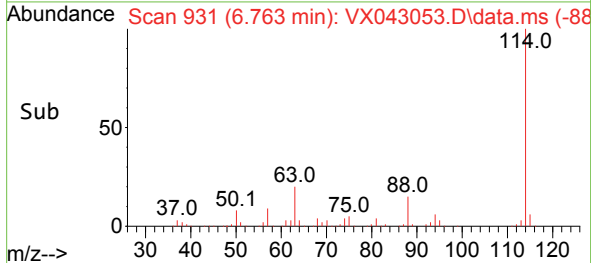
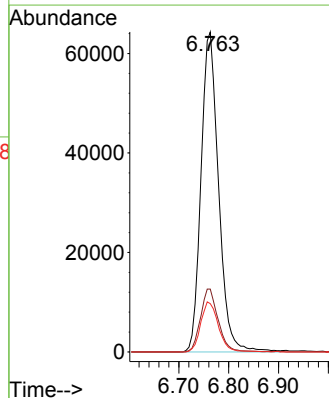
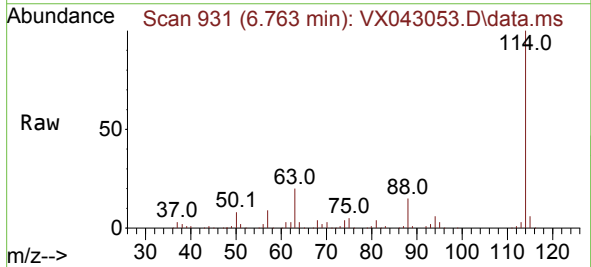
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-S-864-9-14-073024DL

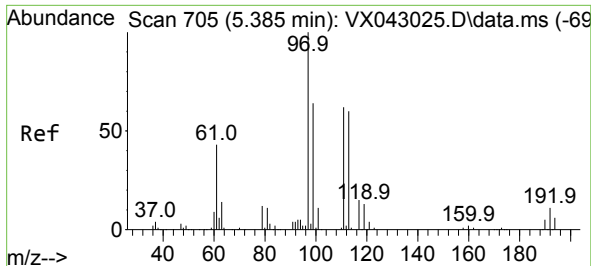
Tgt Ion: 65 Resp: 54956
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX043053.D
 Acq: 15 Aug 2024 11:18

Tgt Ion: 114 Resp: 157091
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 45.0
 88 15.1 0.0 36.6

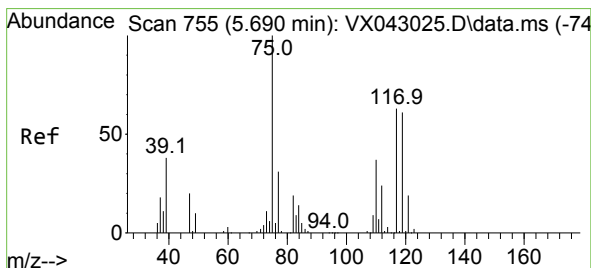
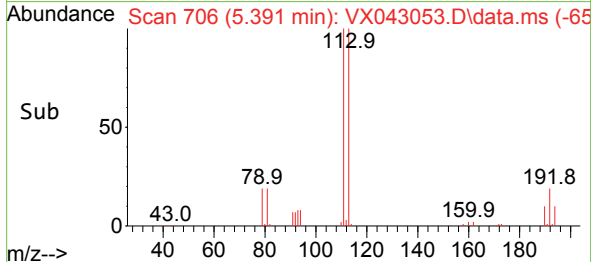
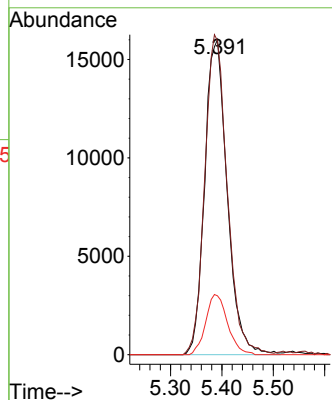
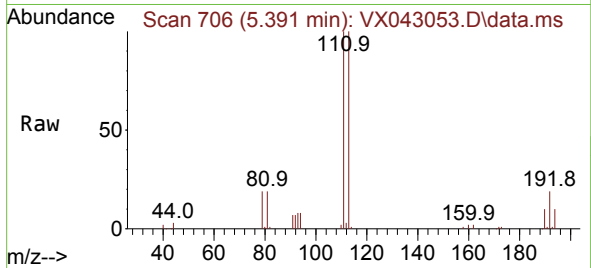




#35
Dibromofluoromethane
Concen: 50.056 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043053.D
Acq: 15 Aug 2024 11:18

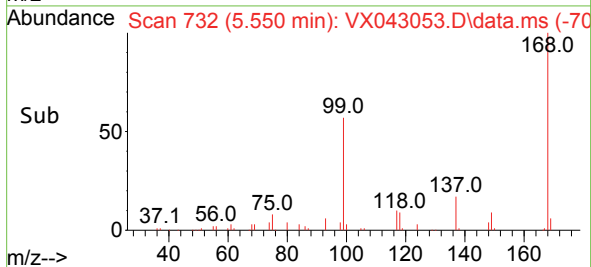
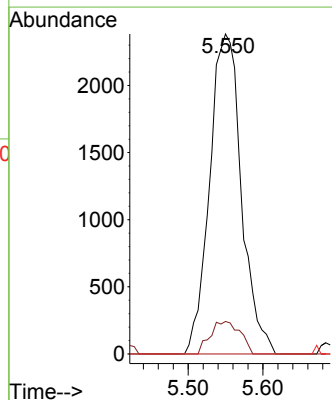
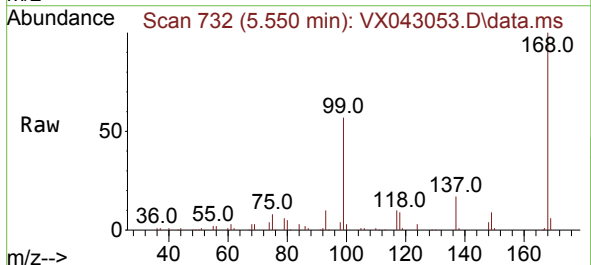
Instrument :
MSVOA_X
ClientSampleId :
GW-S-864-9-14-073024DL

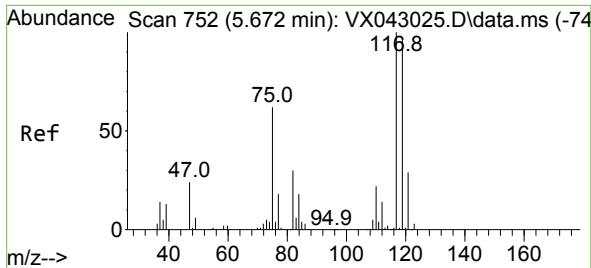
Tgt Ion:113 Resp: 48646
Ion Ratio Lower Upper
113 100
111 101.5 82.9 124.3
192 18.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.214 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX043053.D
Acq: 15 Aug 2024 11:18

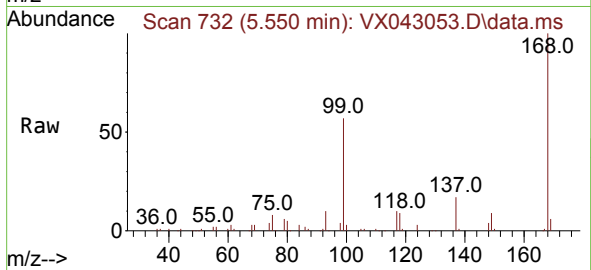
Tgt Ion: 75 Resp: 7040
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



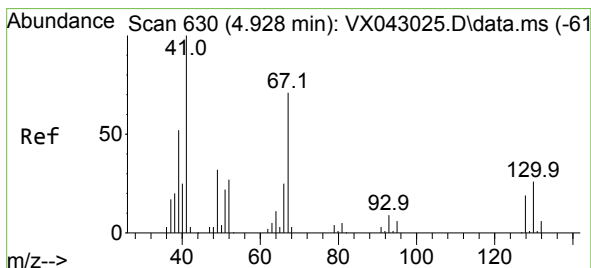
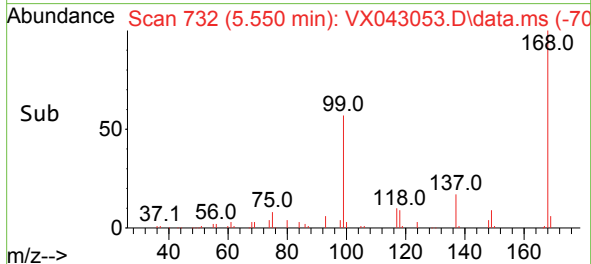
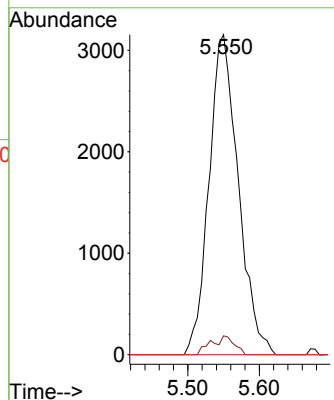


#38
Carbon Tetrachloride
Concen: 6.580 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX043053.D
Acq: 15 Aug 2024 11:18

Instrument :
MSVOA_X
ClientSampleId :
GW-S-864-9-14-073024DL

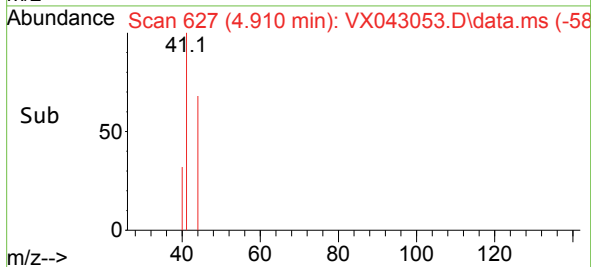
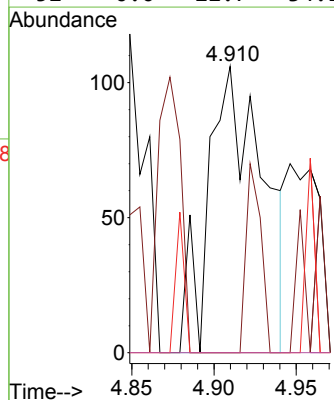
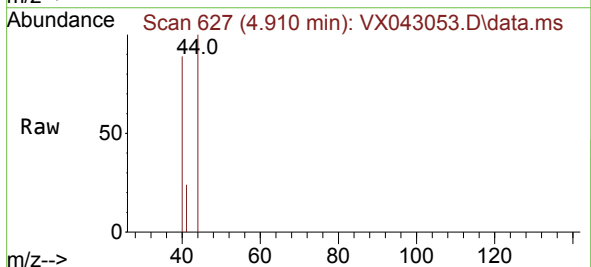


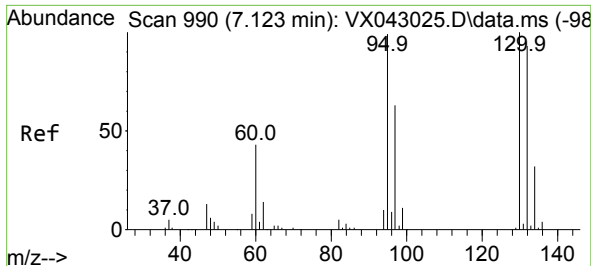
Tgt Ion:117 Resp: 8983
Ion Ratio Lower Upper
117 100
119 5.9 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.243 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.018 min
Lab File: VX043053.D
Acq: 15 Aug 2024 11:18

Tgt Ion: 41 Resp: 244
Ion Ratio Lower Upper
41 100
39 18.0 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

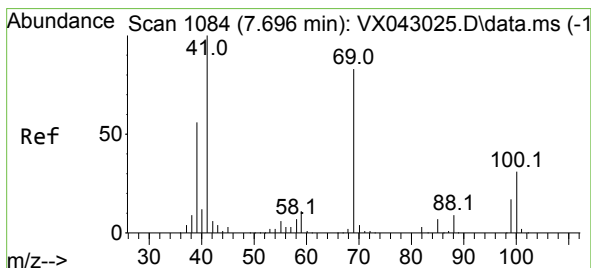
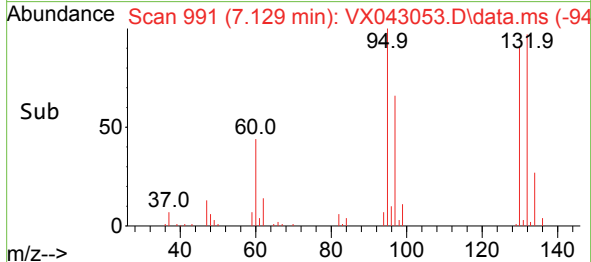
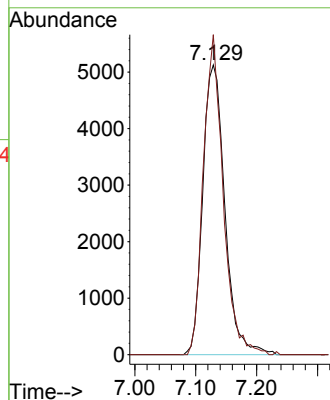
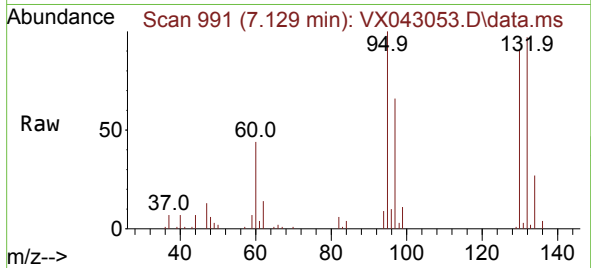




#44
Trichloroethene
Concen: 12.411 ug/l
RT: 7.129 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043053.D
Acq: 15 Aug 2024 11:18

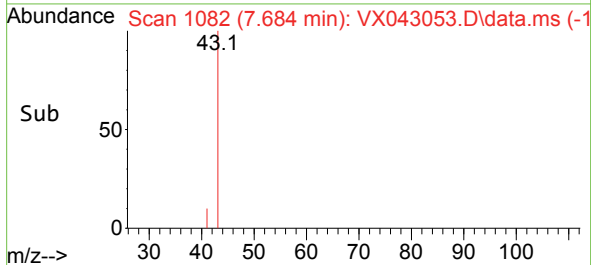
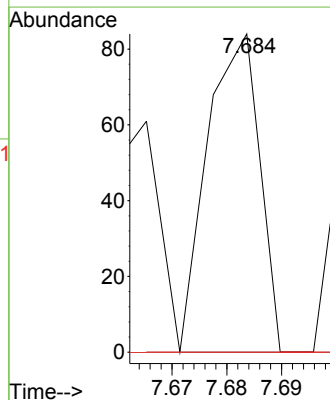
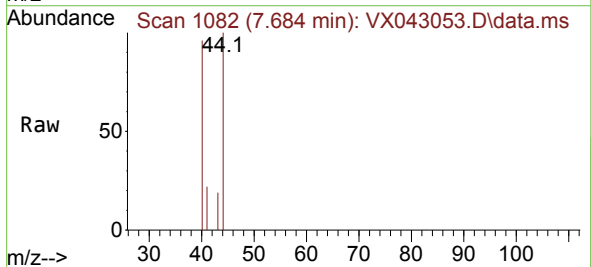
Instrument :
MSVOA_X
ClientSampleId :
GW-S-864-9-14-073024DL

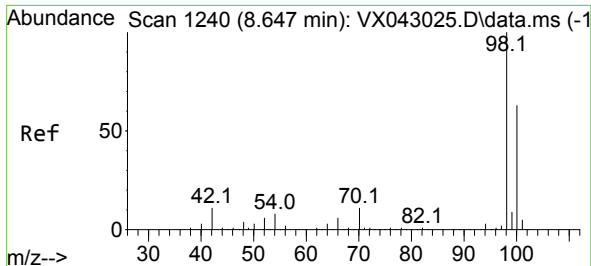
Tgt Ion:130 Resp: 12927
Ion Ratio Lower Upper
130 100
95 110.4 0.0 204.4



#48
Methyl methacrylate
Concen: 0.445 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. -0.012 min
Lab File: VX043053.D
Acq: 15 Aug 2024 11:18

Tgt Ion: 41 Resp: 56
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 0.0 47.7 71.5#

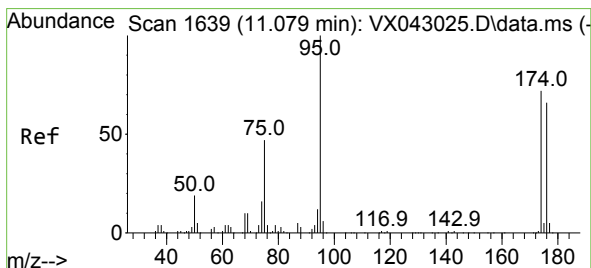
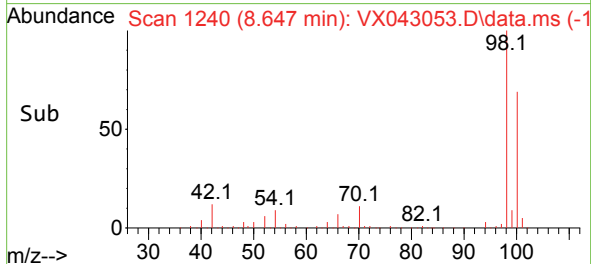
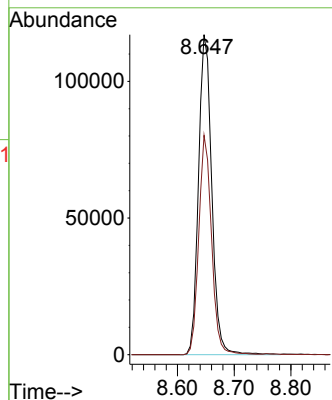
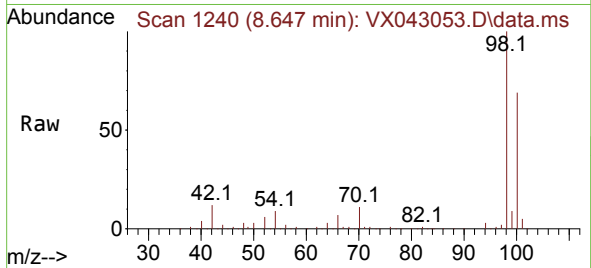




#50
Toluene-d8
Concen: 50.591 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043053.D
Acq: 15 Aug 2024 11:18

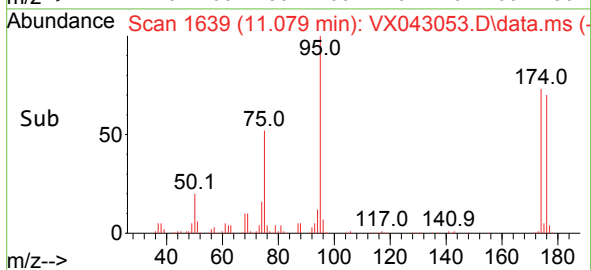
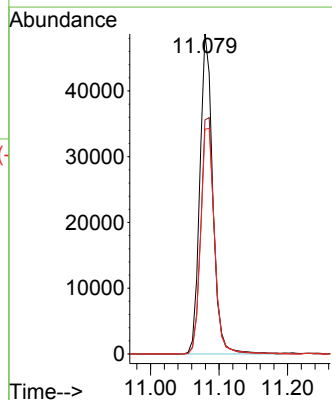
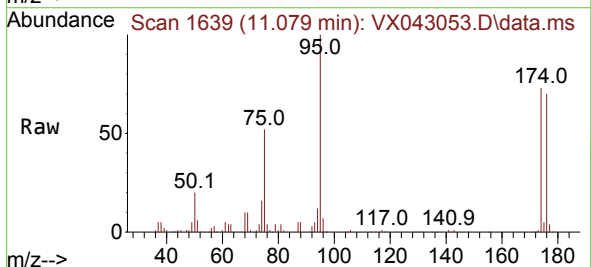
Instrument :
MSVOA_X
ClientSampleId :
GW-S-864-9-14-073024DL

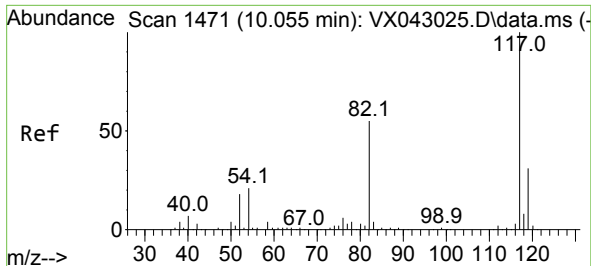
Tgt Ion: 98 Resp: 189790
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 46.977 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043053.D
Acq: 15 Aug 2024 11:18

Tgt Ion: 95 Resp: 63902
Ion Ratio Lower Upper
95 100
174 77.5 0.0 135.6
176 75.5 0.0 131.0

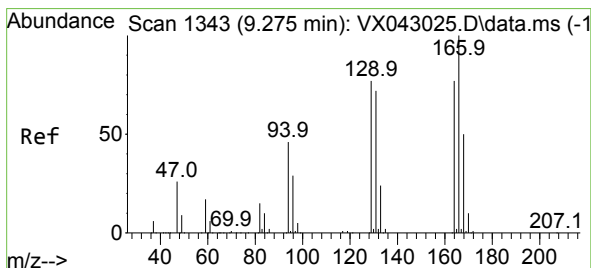
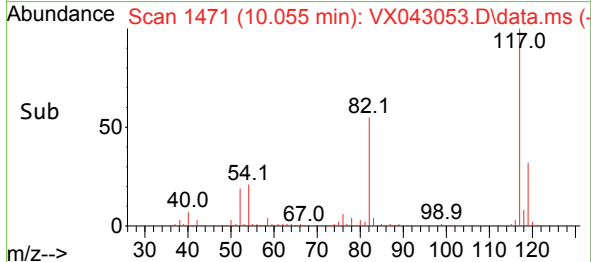
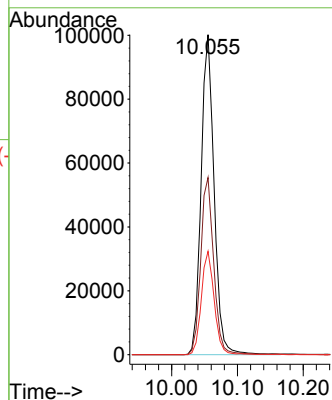
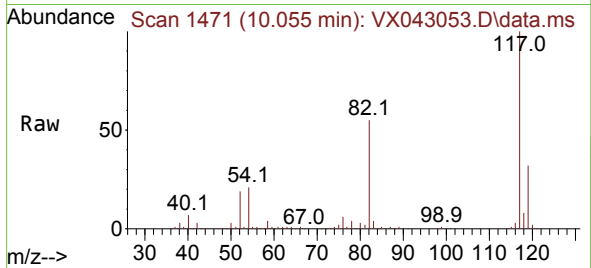




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043053.D
Acq: 15 Aug 2024 11:18

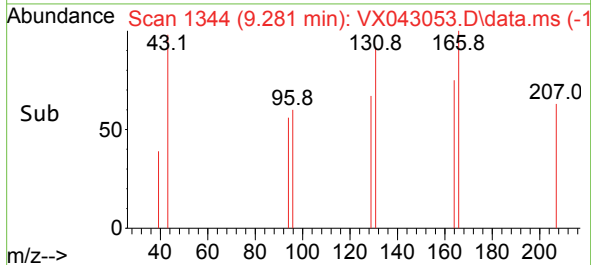
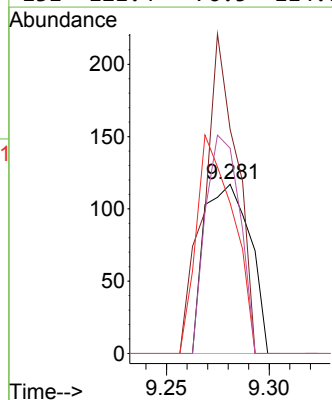
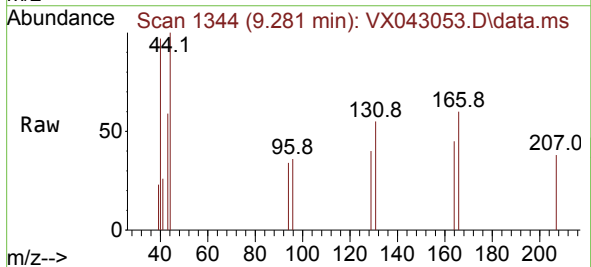
Instrument :
MSVOA_X
ClientSampleId :
GW-S-864-9-14-073024DL

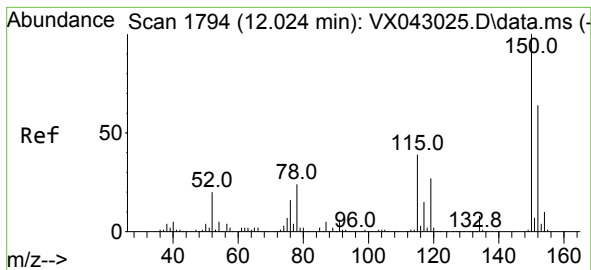
Tgt Ion:117 Resp: 137603
Ion Ratio Lower Upper
117 100
82 55.3 46.2 69.4
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 0.204 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX043053.D
Acq: 15 Aug 2024 11:18

Tgt Ion:164 Resp: 181
Ion Ratio Lower Upper
164 100
166 132.5 102.7 154.1
129 88.9 80.4 120.6
131 121.4 76.5 114.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX043053.D

Acq: 15 Aug 2024 11:18

Instrument :

MSVOA_X

ClientSampleId :

GW-S-864-9-14-073024DL

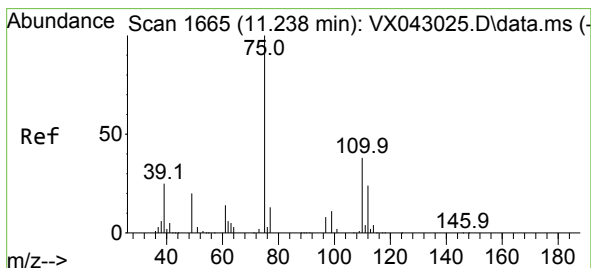
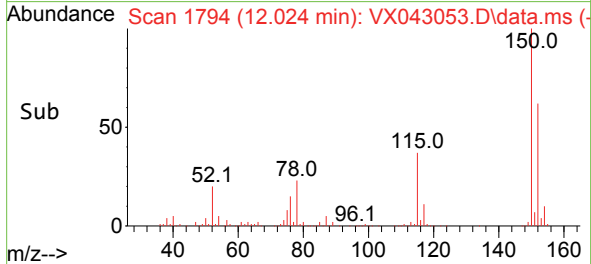
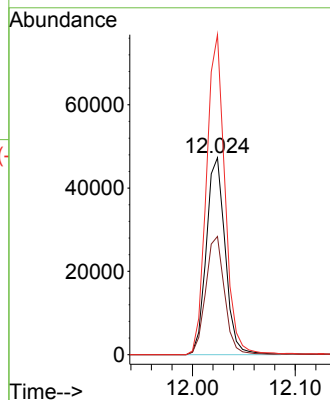
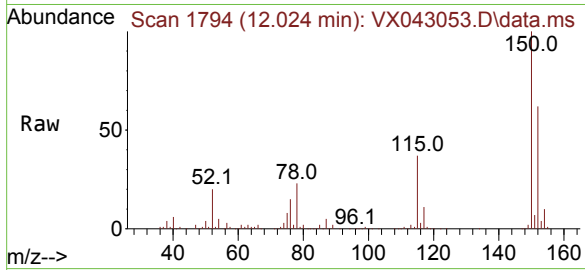
Tgt Ion:152 Resp: 60840

Ion Ratio Lower Upper

152 100

115 60.3 43.3 129.9

150 158.8 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 23.234 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX043053.D

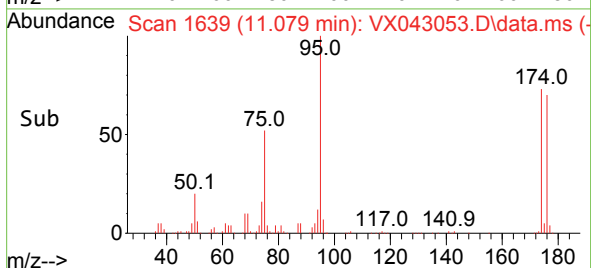
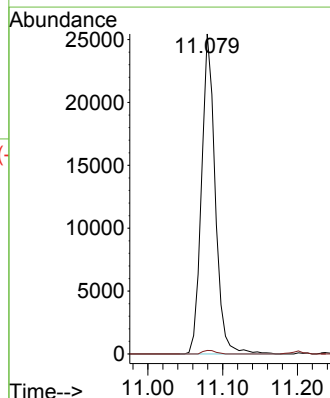
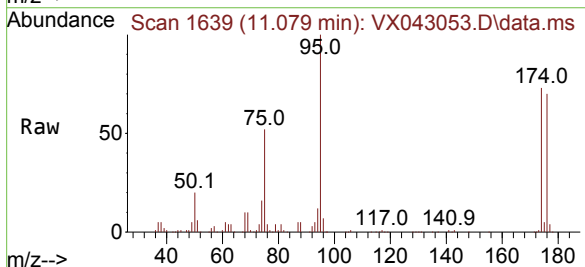
Acq: 15 Aug 2024 11:18

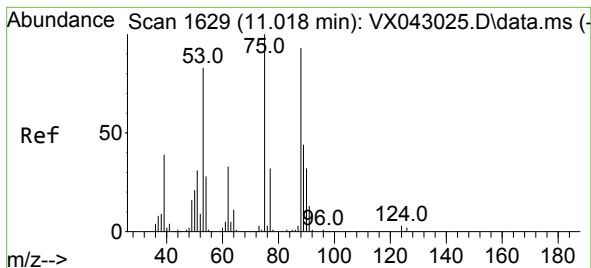
Tgt Ion: 75 Resp: 32396

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#

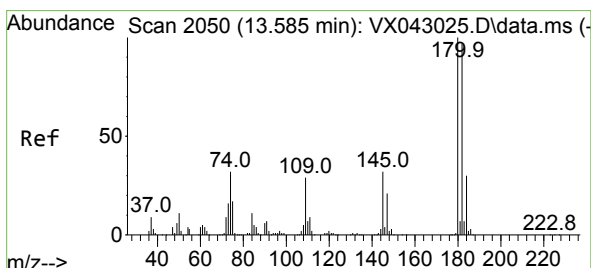
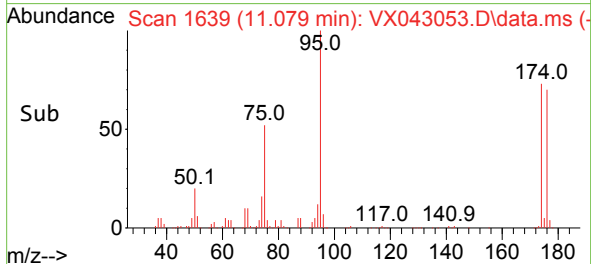
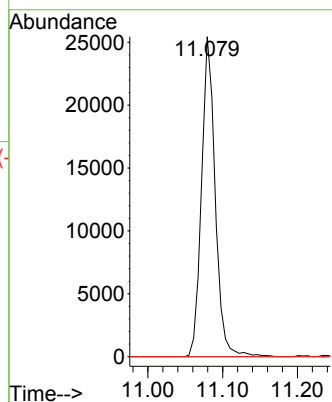
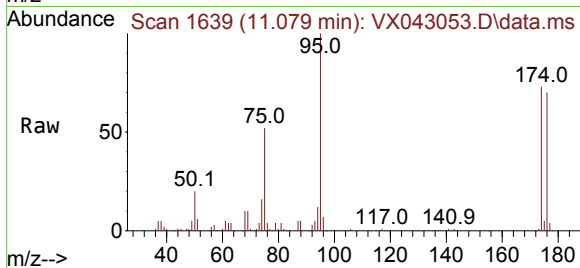




#81
trans-1,4-Dichloro-2-butene
Concen: 50.678 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX043053.D
Acq: 15 Aug 2024 11:18

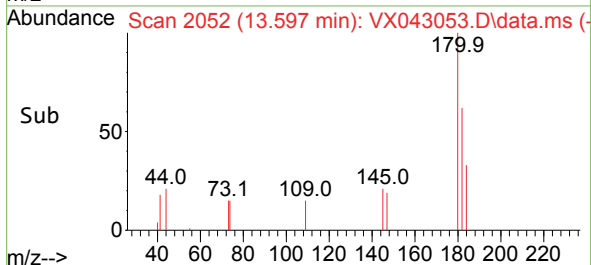
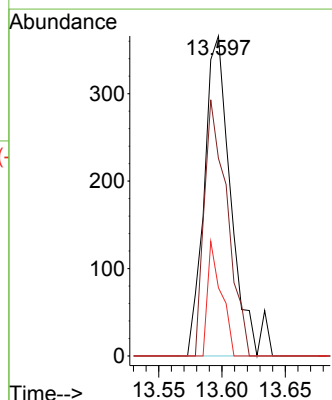
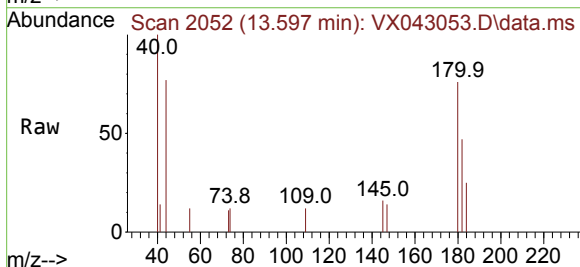
Instrument :
MSVOA_X
ClientSampleId :
GW-S-864-9-14-073024DL

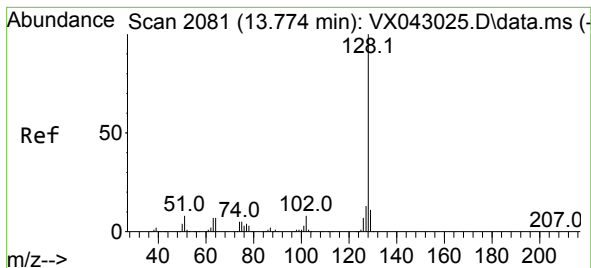
Tgt Ion: 75 Resp: 32396
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.476 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.012 min
Lab File: VX043053.D
Acq: 15 Aug 2024 11:18

Tgt Ion:180 Resp: 541
Ion Ratio Lower Upper
180 100
182 68.2 48.3 144.8
145 18.1 18.0 54.0





#95

Naphthalene

Concen: 0.663 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX043053.D

Acq: 15 Aug 2024 11:18

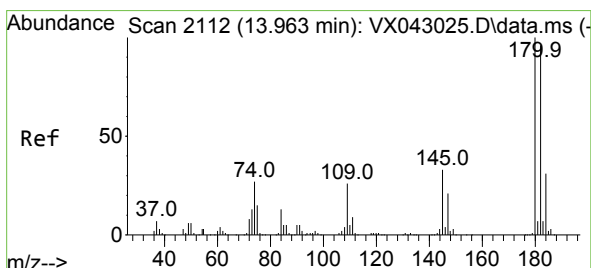
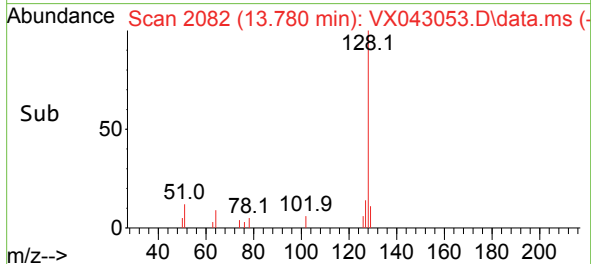
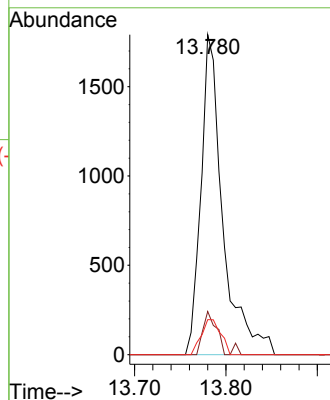
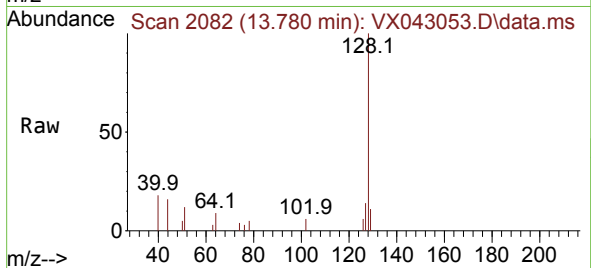
Instrument :

MSVOA_X

ClientSampleId :

GW-S-864-9-14-073024DL

Tgt Ion:128	Resp:	2981
Ion Ratio	Lower	Upper
128	100	
127	8.2	10.3 15.5#
129	9.7	8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.410 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. -0.006 min

Lab File: VX043053.D

Acq: 15 Aug 2024 11:18

Tgt Ion:180	Resp:	477
Ion Ratio	Lower	Upper
180	100	
182	103.4	46.9 140.6
145	32.1	17.8 53.5

