

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080624\
 Data File : VX042864.D
 Acq On : 06 Aug 2024 12:04
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 07 04:56:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 07 04:53:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.904	128	39956	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	244978	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	212351	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	108003	29.272	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.567%
60) 4-Bromofluorobenzene	11.079	95	95301	27.509	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.700%
63) Toluene-d8	8.647	98	296784	30.941	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.133%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	965	0.411	ug/l	99
3) Chloromethane	1.295	50	1197	0.555	ug/l	89
4) Vinyl Chloride	1.374	62	1002	0.435	ug/l #	88
6) Chloroethane	1.673	64	405	0.296	ug/l	96
7) Trichlorofluoromethane	1.874	101	1811	0.493	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.325	101	647	0.258	ug/l #	1
10) 1,1-Dichloroethene	2.307	96	1235	0.516	ug/l	94
11) Methyl Iodide	2.441	142	1525	0.693	ug/l	72
12) Methyl Acetate	2.715	43	1312	0.251	ug/l	93
13) Acrolein	2.240	56	568	3.758	ug/l	98
14) Acrylonitrile	3.075	53	2282	1.436	ug/l	67
15) Acetone	2.392	58	799	1.551	ug/l #	10
16) Carbon Disulfide	2.502	76	9383	1.886	ug/l #	95
18) Methylene Chloride	2.788	84	1598	0.576	ug/l #	92
19) trans-1,2-Dichloroethene	3.087	96	1609	0.661	ug/l #	81
22) cis-1,2-Dichloroethene	4.495	96	965	0.316	ug/l #	64
23) tert-Butyl Alcohol	2.989	59	718	0.980	ug/l #	100
29) 1,1-Dichloropropene	5.696	75	726	0.230	ug/l #	27
37) Trichloroethene	7.123	130	1720	0.672	ug/l	86
38) Methylcyclohexane	7.385	83	1822	0.466	ug/l	83
45) 1,4-Dioxane	7.671	88	93	1.415	ug/l #	24
46) Methyl methacrylate	7.385	41	927	0.297	ug/l	73
47) n-amyl Acetate	10.848	43	1288	0.240	ug/l	93
48) t-1,3-Dichloropropene	8.994	75	1526	0.413	ug/l #	49
49) cis-1,3-Dichloropropene	8.373	75	1110	0.277	ug/l #	80
54) 1,2-Dibromoethane	9.610	107	622	0.225	ug/l #	75
55) 2-Chloroethyl vinyl ether	8.257	63	2647	1.320	ug/l	94
58) 4-Methyl-2-Pentanone	8.586	43	2520	0.630	ug/l #	85
59) 2-Hexanone	9.446	43	2346	0.742	ug/l #	83
61) Tetrachloroethene	9.275	164	2056	0.975	ug/l #	85
62) Toluene	8.720	91	4505	0.433	ug/l	97
64) Chlorobenzene	10.080	112	3573	0.537	ug/l	92
66) Ethyl Benzene	10.195	91	5384	0.466	ug/l	92
67) m/p-Xylenes	10.299	106	4137	0.947	ug/l	97
68) o-Xylene	10.647	106	1562	0.363	ug/l	97
69) Styrene	10.659	104	3132	0.422	ug/l	90
70) Isopropylbenzene	10.964	105	4547	0.401	ug/l	95
71) 1,1,2,2-Tetrachloroethane	11.214	83	867	0.212	ug/l	90
72) 1,2,3-Trichloropropane	11.238	75	984	0.295	ug/l	52

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

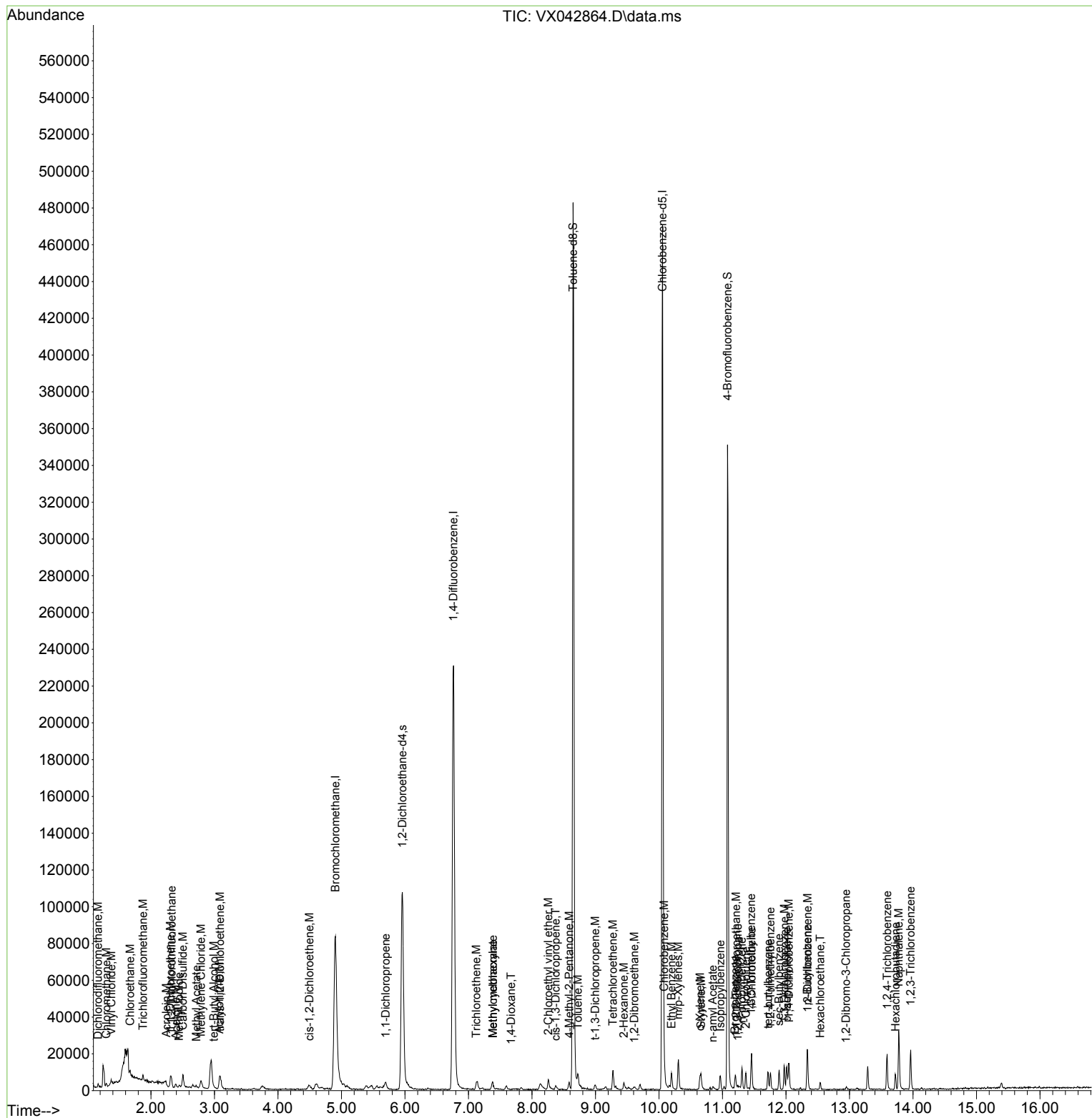
73) Bromobenzene	11.195	156	1647	0.572	ug/l	94
74) n-propylbenzene	11.305	91	7803	0.588	ug/l	100
75) 2-Chlorotoluene	11.366	91	4635	0.572	ug/l	94
76) 1,3,5-Trimethylbenzene	11.451	105	4395	0.457	ug/l	97
78) 4-Chlorotoluene	11.457	91	6056	0.652	ug/l	99
79) tert-butylbenzene	11.720	119	3797	0.385	ug/l	95
80) 1,2,4-Trimethylbenzene	11.756	105	4333	0.457	ug/l	92
81) sec-Butylbenzene	11.890	105	5730	0.474	ug/l	99
82) p-Isopropyltoluene	12.012	119	5214	0.515	ug/l	97
83) 1,3-Dichlorobenzene	11.976	146	4823	0.909	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	4913	0.921	ug/l	95
85) n-Butylbenzene	12.335	91	6102	0.669	ug/l	95
86) Hexachloroethane	12.536	117	584	0.320	ug/l	90
87) 1,2-Dichlorobenzene	12.341	146	3848	0.728	ug/l	90
88) 1,2-Dibromo-3-Chloropr...	12.945	75	374	0.405	ug/l #	89
89) 1,2,4-Trichlorobenzene	13.591	180	5093	1.482	ug/l	98
90) Hexachlorobutadiene	13.725	225	1150	0.774	ug/l	99
91) Naphthalene	13.774	128	22803	1.971	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	5682	1.637	ug/l	99

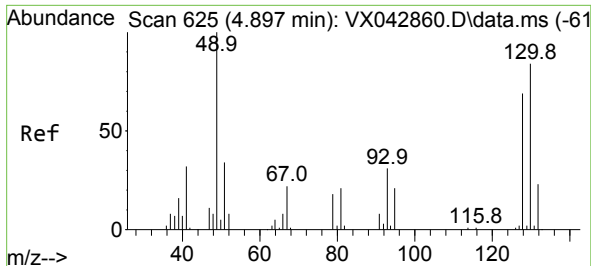
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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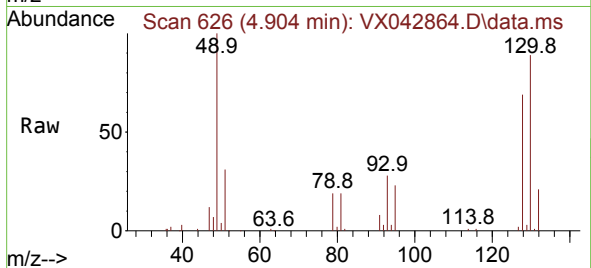
Quant Time: Aug 07 04:56:06 2024
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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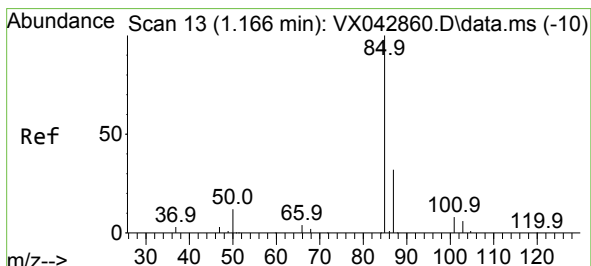
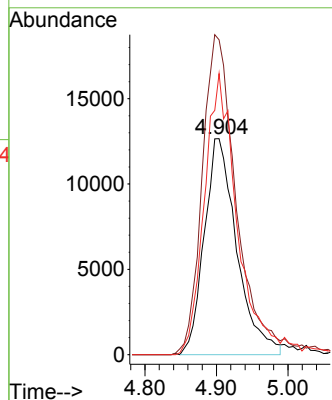
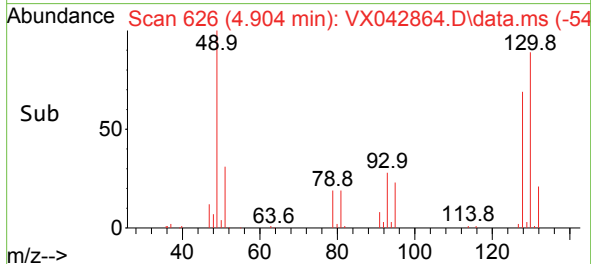


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

Instrument :
MSVOA_X
ClientSampleId :

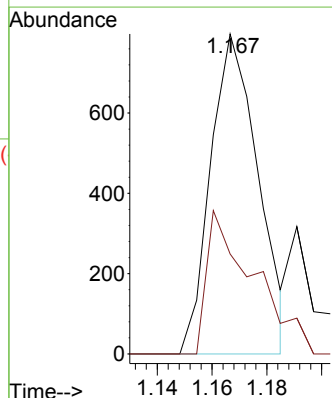
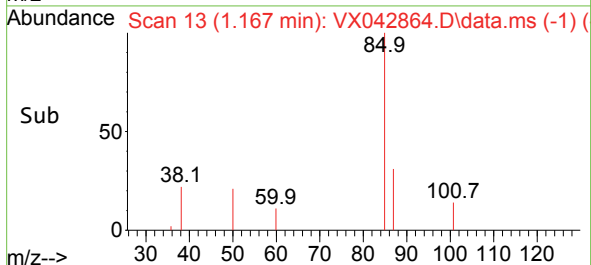
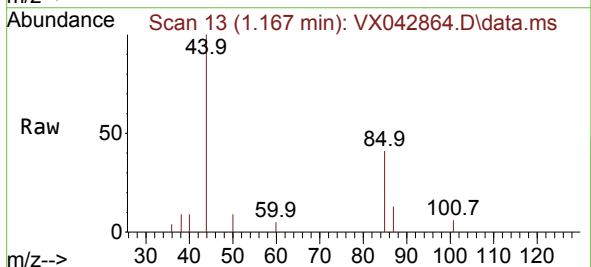


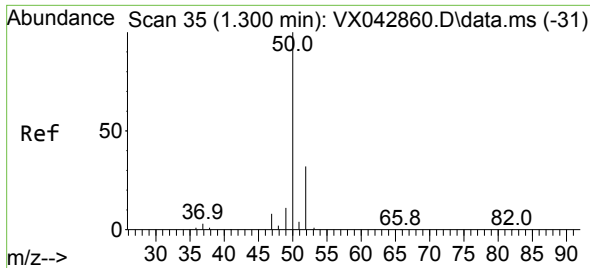
Tgt Ion:128 Resp: 39956
Ion Ratio Lower Upper
128 100
49 153.5 0.0 400.5
130 129.8 0.0 333.0



#2
Dichlorodifluoromethane
Concen: 0.411 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.001 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

Tgt Ion: 85 Resp: 965
Ion Ratio Lower Upper
85 100
87 31.2 16.0 48.0

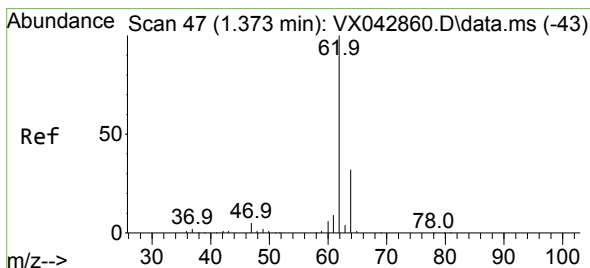
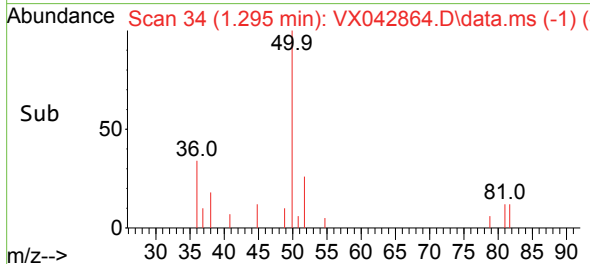
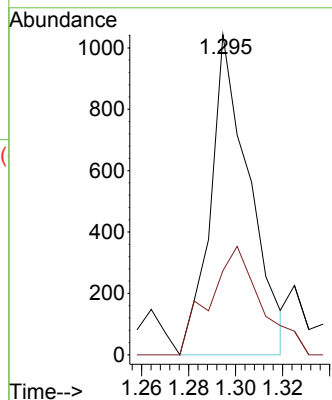
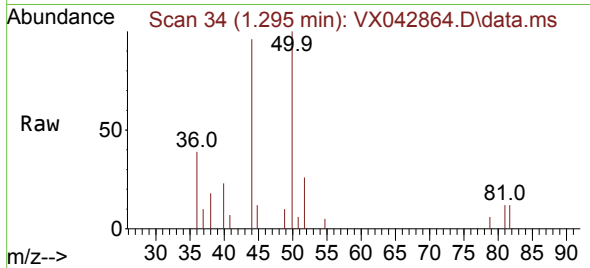




#3
Chloromethane
Concen: 0.555 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

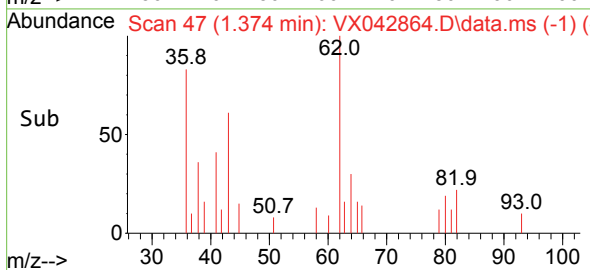
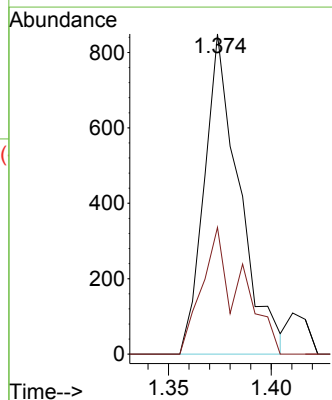
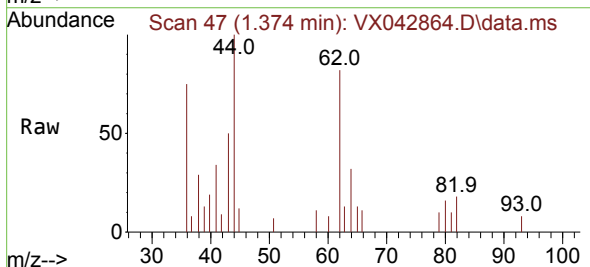
Instrument :
MSVOA_X
ClientSampleId :

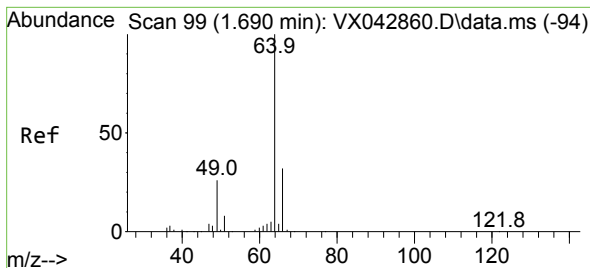
Tgt Ion: 50 Resp: 1197
Ion Ratio Lower Upper
50 100
52 26.3 26.0 39.0



#4
Vinyl Chloride
Concen: 0.435 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.001 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

Tgt Ion: 62 Resp: 1002
Ion Ratio Lower Upper
62 100
64 39.6 26.3 39.5#





#6

Chloroethane

Concen: 0.296 ug/l

RT: 1.673 min Scan# 90

Delta R.T. -0.018 min

Lab File: VX042864.D

Acq: 06 Aug 2024 12:04

Instrument :

MSVOA_X

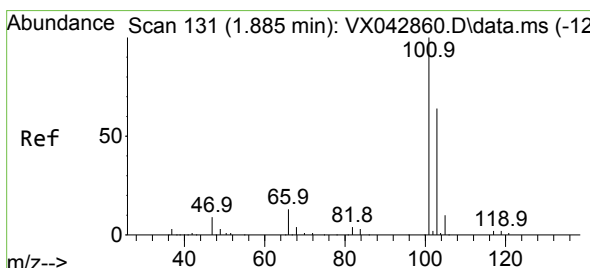
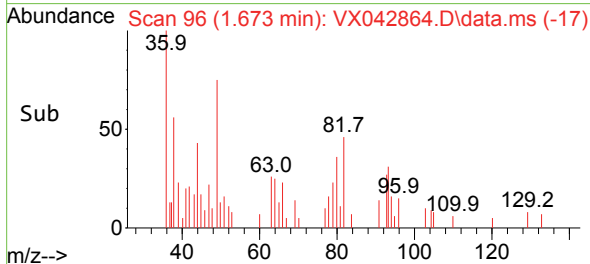
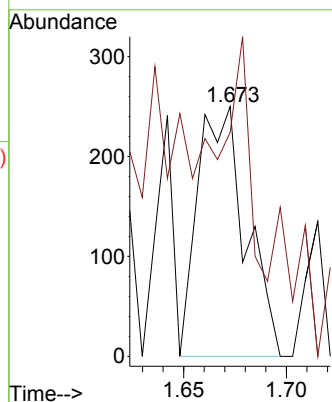
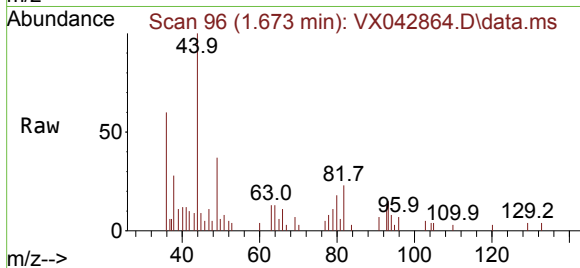
ClientSampleId :

Tgt Ion: 64 Resp: 405

Ion Ratio Lower Upper

64 100

66 30.0 25.9 38.9



#7

Trichlorofluoromethane

Concen: 0.493 ug/l

RT: 1.874 min Scan# 129

Delta R.T. -0.012 min

Lab File: VX042864.D

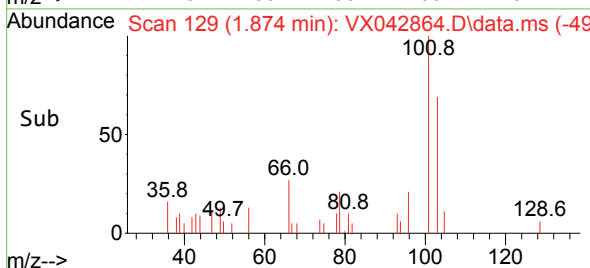
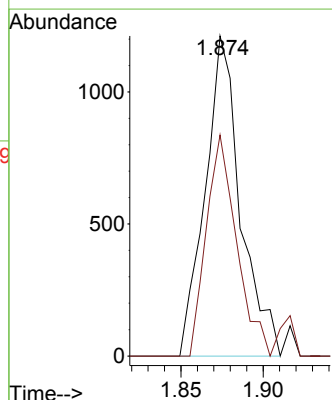
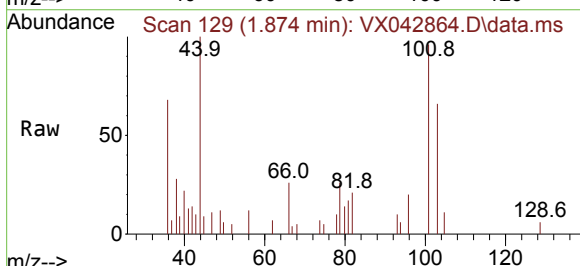
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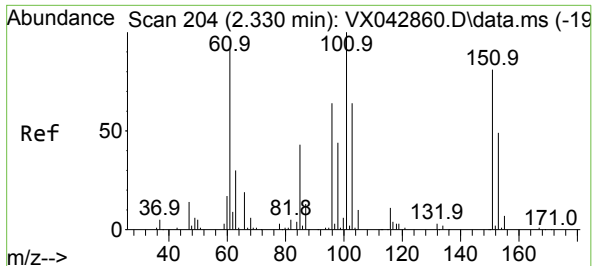
Tgt Ion:101 Resp: 1811

Ion Ratio Lower Upper

101 100

103 69.1 51.5 77.3

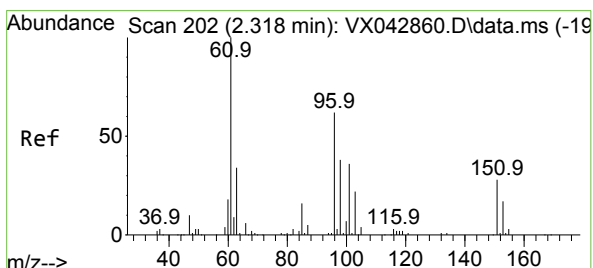
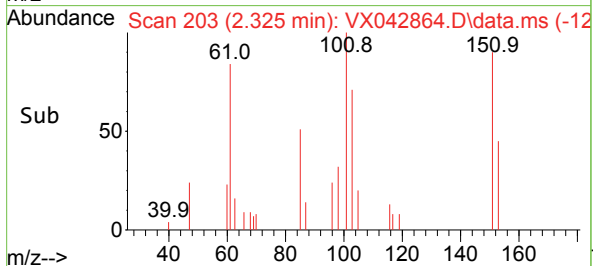
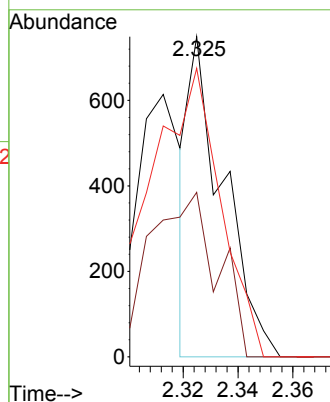
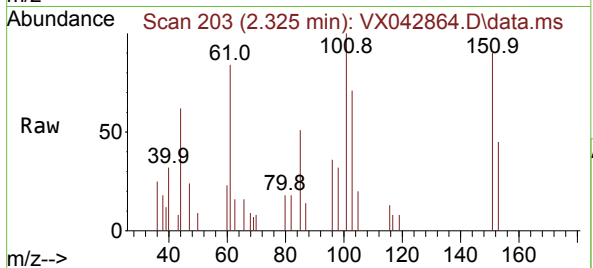




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.258 ug/l
RT: 2.325 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX042864.D
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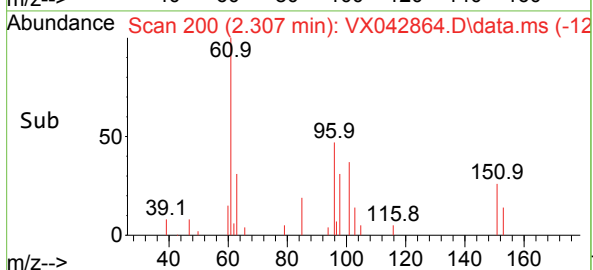
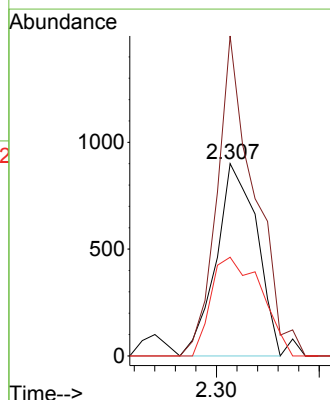
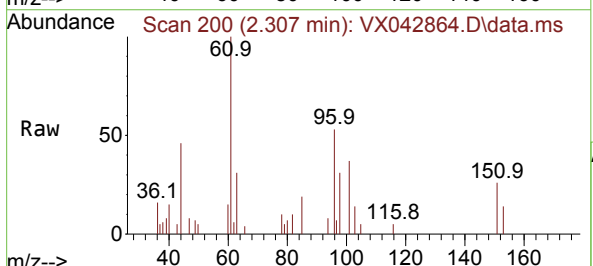
Instrument :
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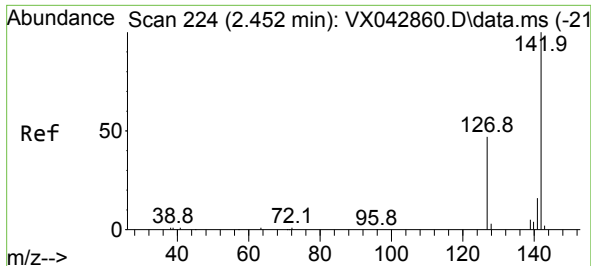
Tgt Ion:101 Resp: 647
Ion Ratio Lower Upper
101 100
85 101.1 0.0 88.6#
151 182.5 0.0 157.6#



#10
1,1-Dichloroethene
Concen: 0.516 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.012 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

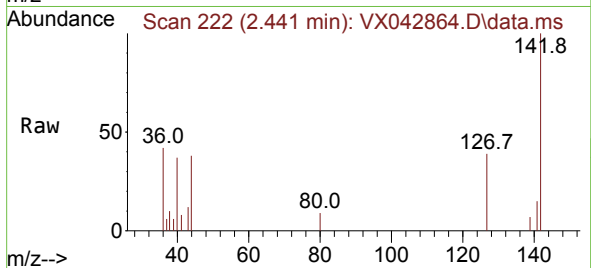
Tgt Ion: 96 Resp: 1235
Ion Ratio Lower Upper
96 100
61 166.4 129.2 193.8
98 51.3 48.6 72.8



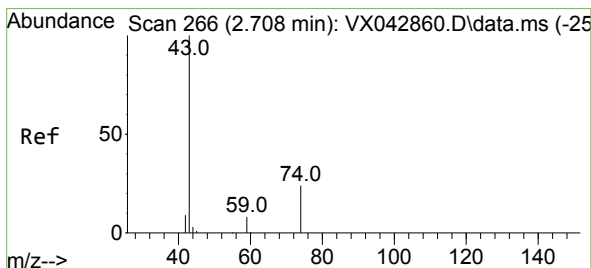
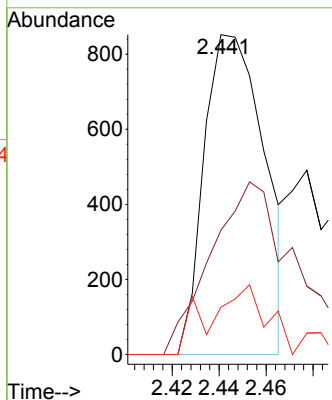


#11
Methyl Iodide
Concen: 0.693 ug/l
RT: 2.441 min Scan# 21
Delta R.T. -0.012 min
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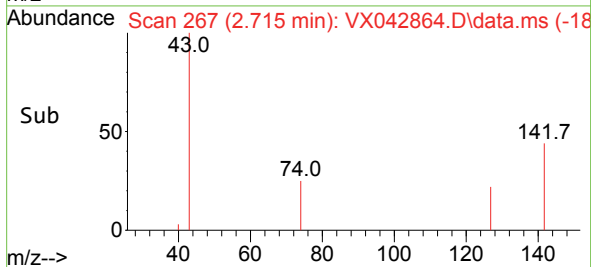
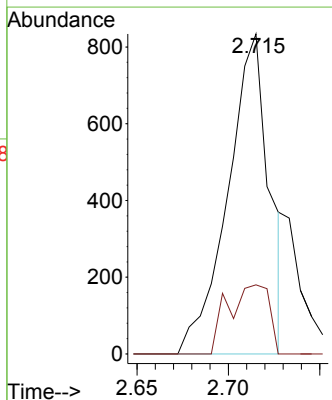
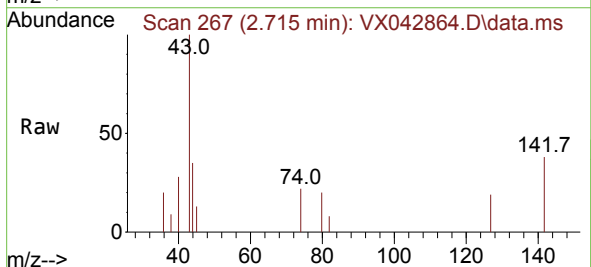


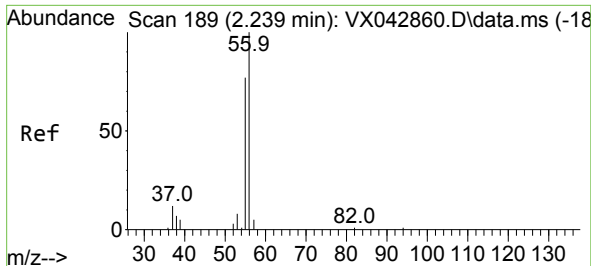
Tgt Ion:142 Resp: 1525
Ion Ratio Lower Upper
142 100
127 25.2 23.6 71.0
141 10.4 8.0 23.8



#12
Methyl Acetate
Concen: 0.251 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.007 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

Tgt Ion: 43 Resp: 1312
Ion Ratio Lower Upper
43 100
74 27.7 19.4 29.2





#13

Acrolein

Concen: 3.758 ug/l

RT: 2.240 min Scan# 11

Delta R.T. 0.001 min

Lab File: VX042864.D

Acq: 06 Aug 2024 12:04

Instrument :

MSVOA_X

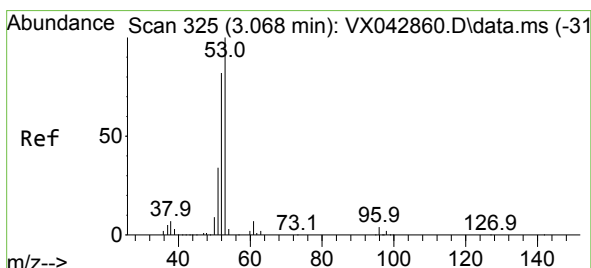
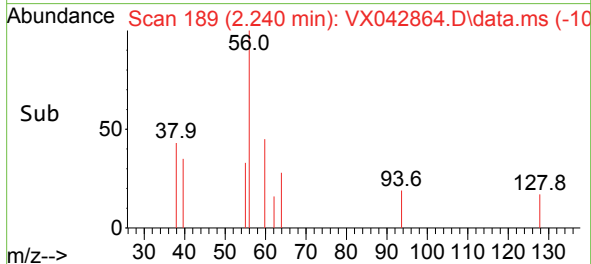
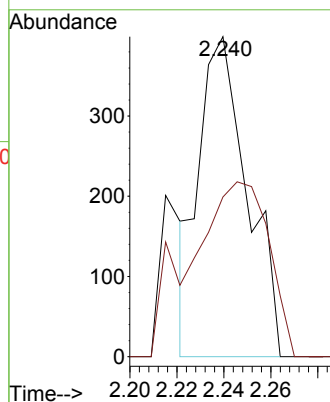
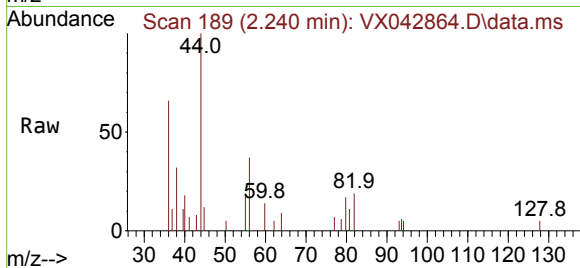
ClientSampleId :

Tgt Ion: 56 Resp: 568

Ion Ratio Lower Upper

56 100

55 73.9 60.6 90.8



#14

Acrylonitrile

Concen: 1.436 ug/l

RT: 3.075 min Scan# 326

Delta R.T. 0.007 min

Lab File: VX042864.D

Acq: 06 Aug 2024 12:04

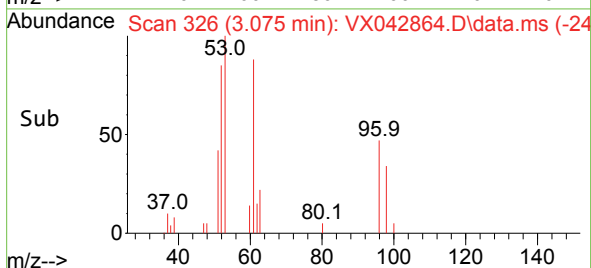
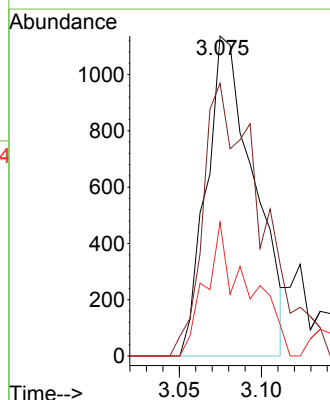
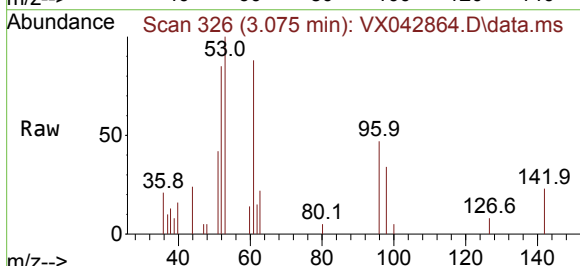
Tgt Ion: 53 Resp: 2282

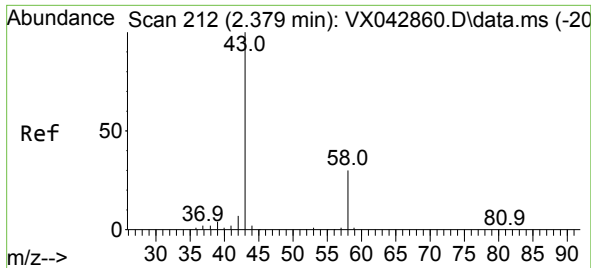
Ion Ratio Lower Upper

53 100

52 50.4 41.2 123.6

51 20.2 17.9 53.8

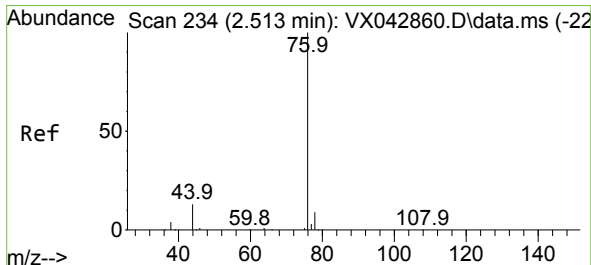
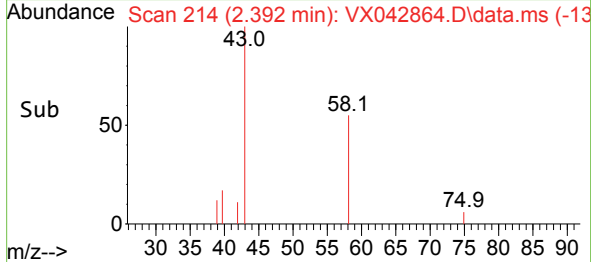
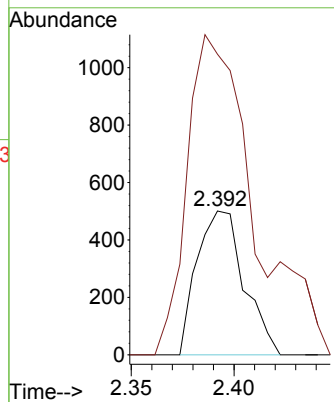
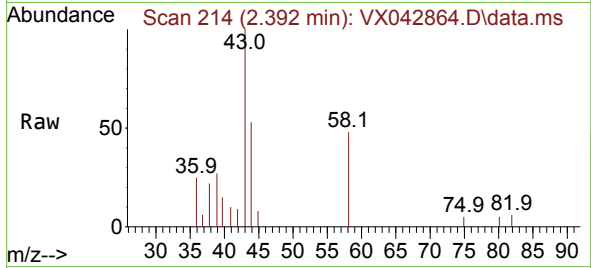




#15
Acetone
Concen: 1.551 ug/l
RT: 2.392 min Scan# 212
Delta R.T. 0.013 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

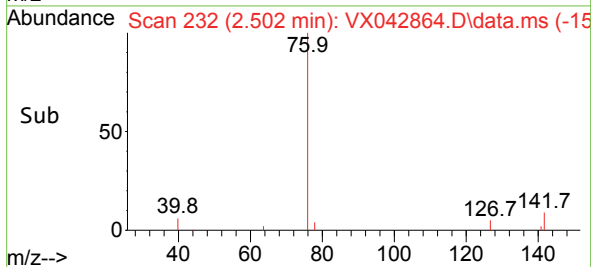
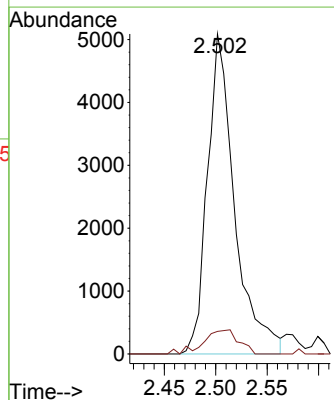
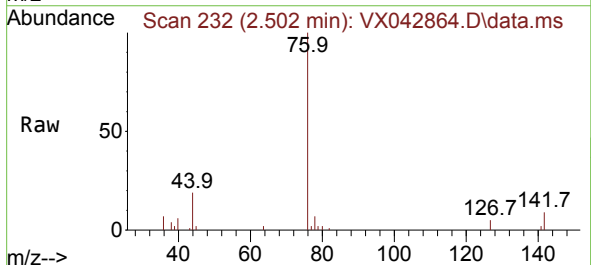
Instrument :
MSVOA_X
ClientSampleId :

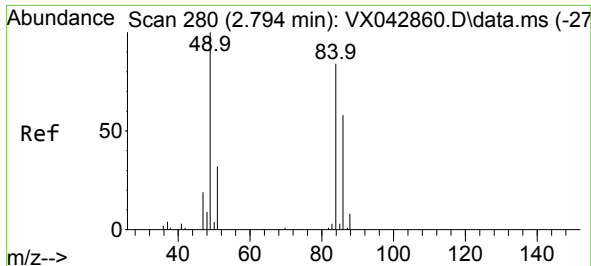
Tgt Ion: 58 Resp: 799
Ion Ratio Lower Upper
58 100
43 145.9 269.9 404.9#



#16
Carbon Disulfide
Concen: 1.886 ug/l
RT: 2.502 min Scan# 232
Delta R.T. -0.012 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

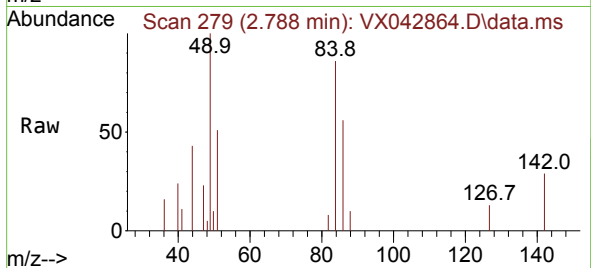
Tgt Ion: 76 Resp: 9383
Ion Ratio Lower Upper
76 100
78 7.0 7.1 10.7#



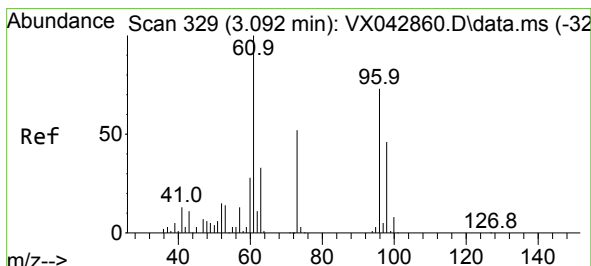
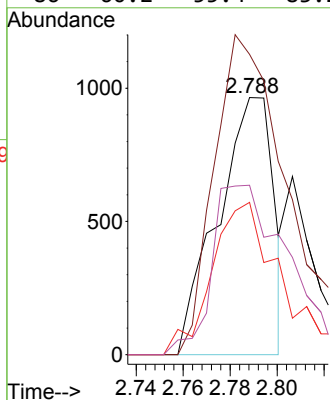
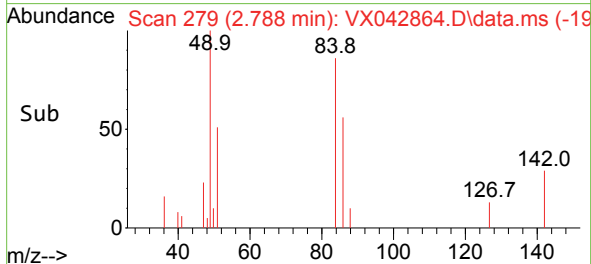


#18
Methylene Chloride
Concen: 0.576 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

Instrument :
MSVOA_X
ClientSampleId :

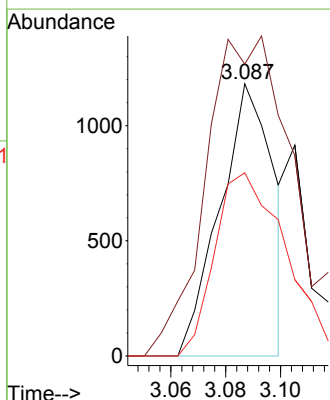
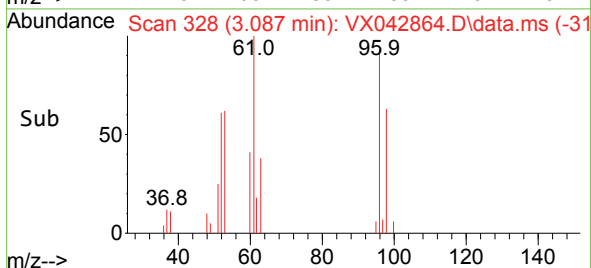
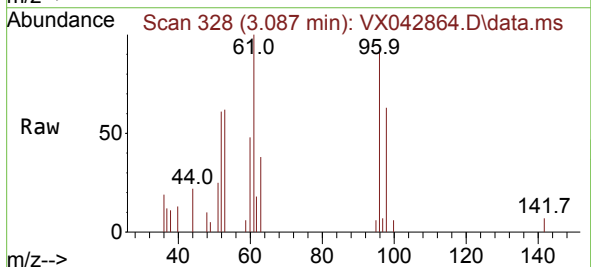


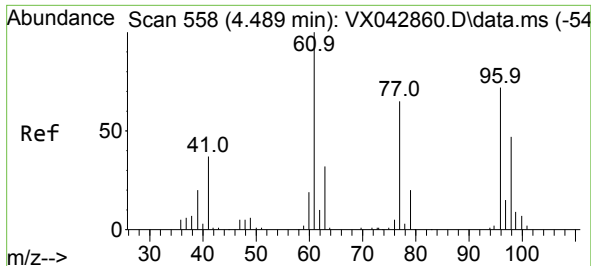
Tgt Ion: 84 Resp: 1598
Ion Ratio Lower Upper
84 100
49 116.8 95.0 142.6
51 49.4 30.1 45.1#
86 60.2 55.4 83.2



#19
trans-1,2-Dichloroethene
Concen: 0.661 ug/l
RT: 3.087 min Scan# 328
Delta R.T. -0.006 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

Tgt Ion: 96 Resp: 1609
Ion Ratio Lower Upper
96 100
61 106.5 109.6 164.4#
98 67.3 50.4 75.6

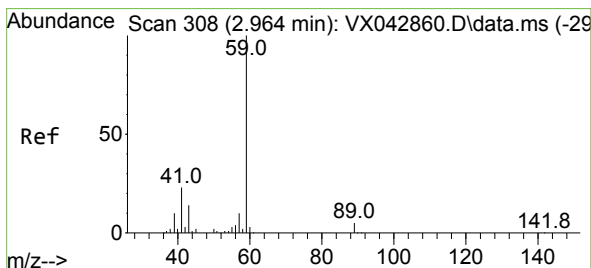
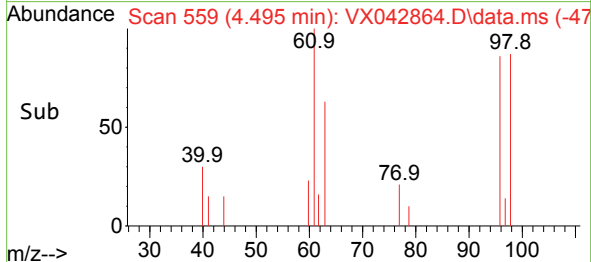
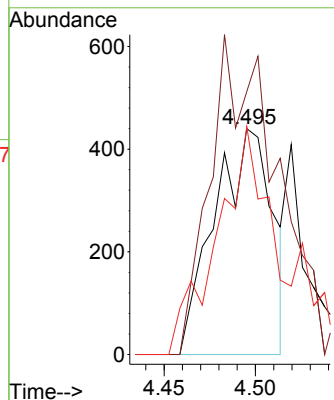
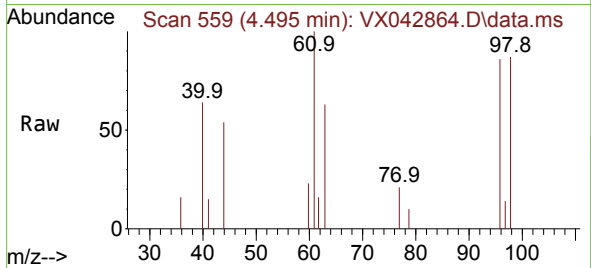




#22
cis-1,2-Dichloroethene
Concen: 0.316 ug/l
RT: 4.495 min Scan# 51
Delta R.T. 0.007 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

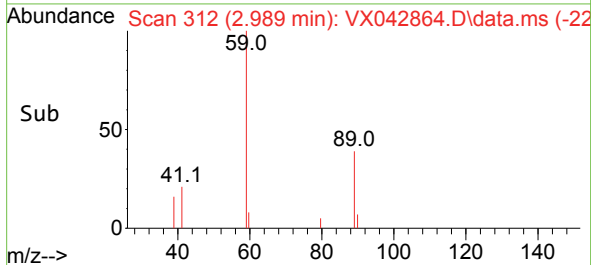
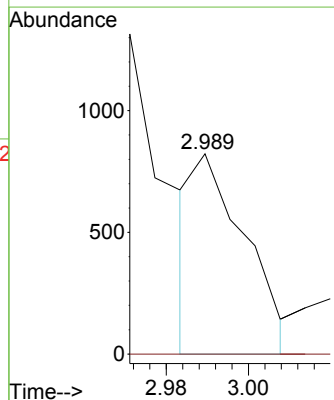
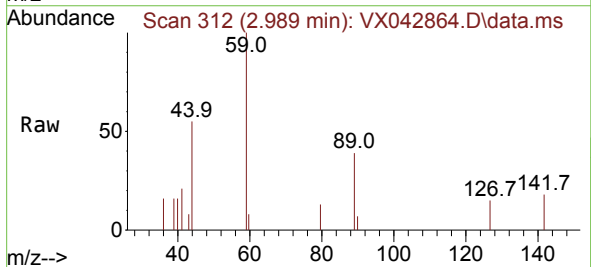
Instrument :
MSVOA_X
ClientSampleId :

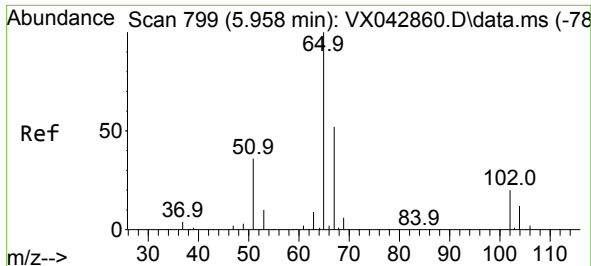
Tgt Ion: 96 Resp: 965
Ion Ratio Lower Upper
96 100
61 92.0 117.7 176.5#
98 80.7 53.4 80.0#



#23
tert-Butyl Alcohol
Concen: 0.980 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.025 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

Tgt Ion: 59 Resp: 718
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#





#27

1,2-Dichloroethane-d4

Concen: 29.272 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.001 min

Lab File: VX042864.D

Acq: 06 Aug 2024 12:04

Instrument :

MSVOA_X

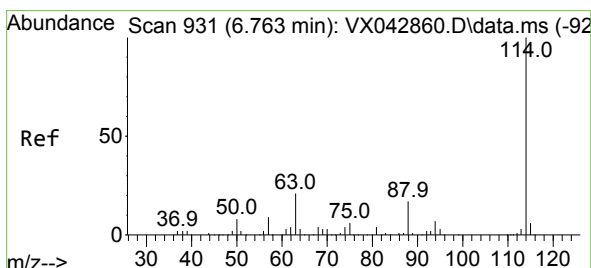
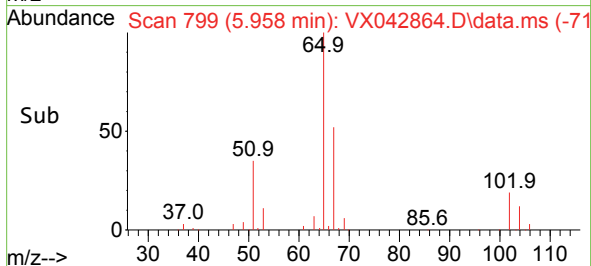
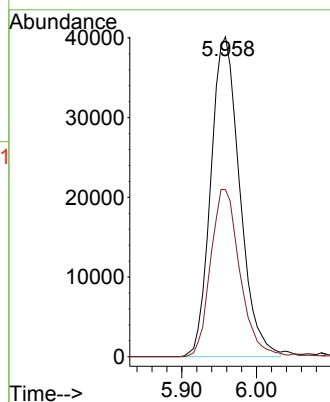
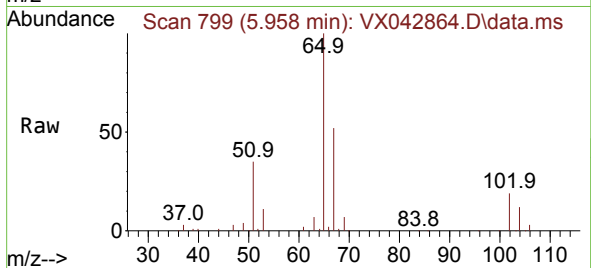
ClientSampleId :

Tgt Ion: 65 Resp: 108003

Ion Ratio Lower Upper

65 100

67 52.9 40.6 60.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.001 min

Lab File: VX042864.D

Acq: 06 Aug 2024 12:04

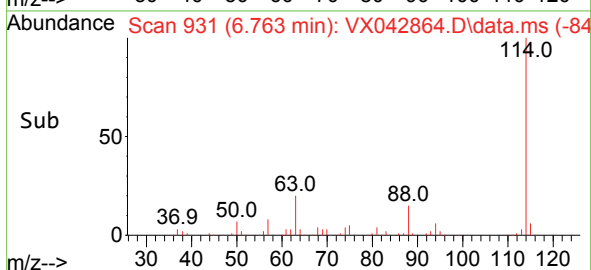
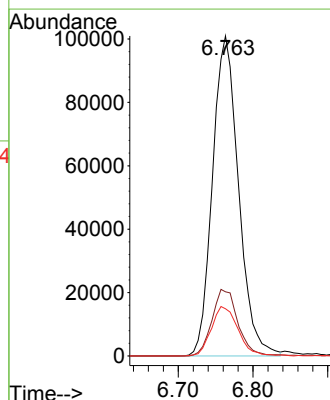
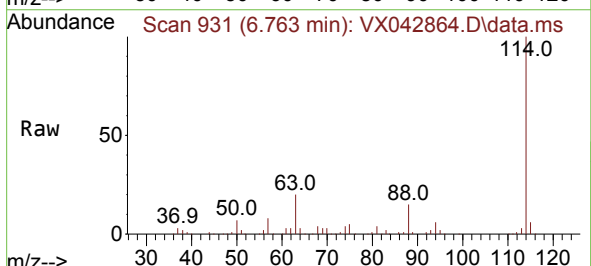
Tgt Ion: 114 Resp: 244978

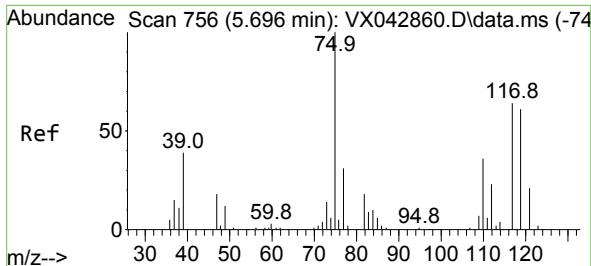
Ion Ratio Lower Upper

114 100

63 20.5 16.0 24.0

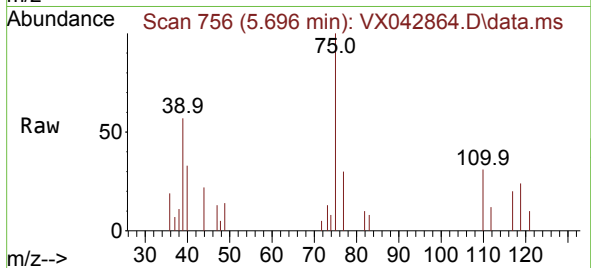
88 15.8 12.5 18.7



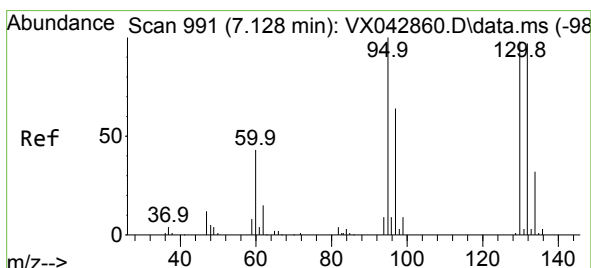
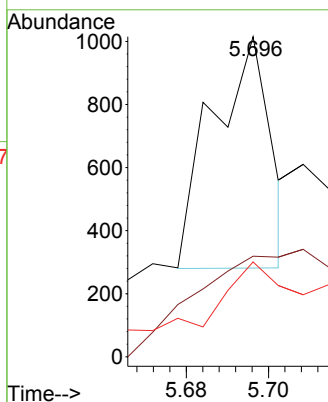
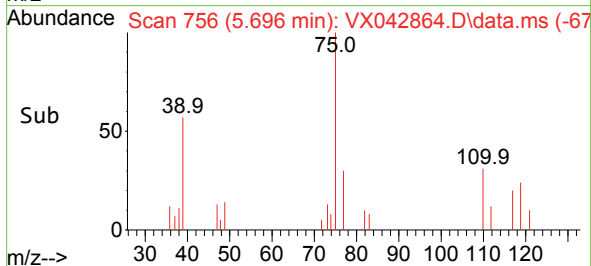


#29
1,1-Dichloropropene
Concen: 0.230 ug/l
RT: 5.696 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

Instrument :
MSVOA_X
ClientSampleId :

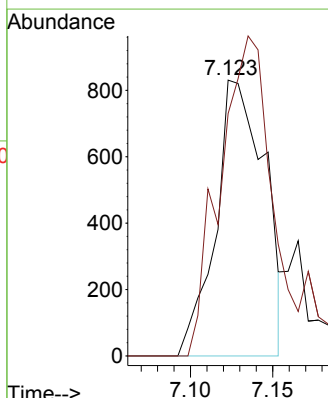
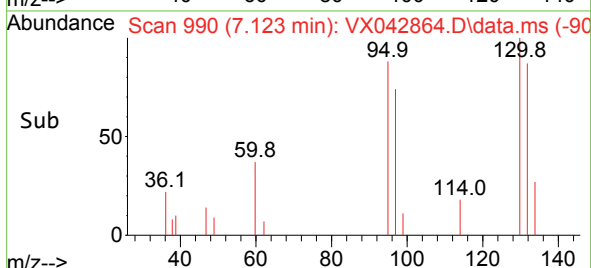
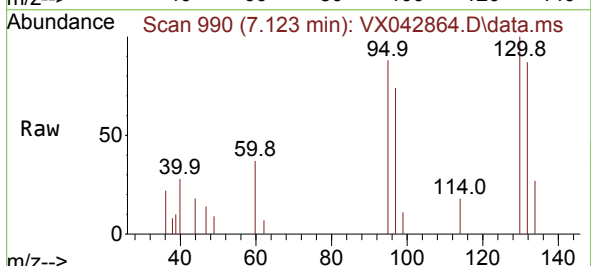


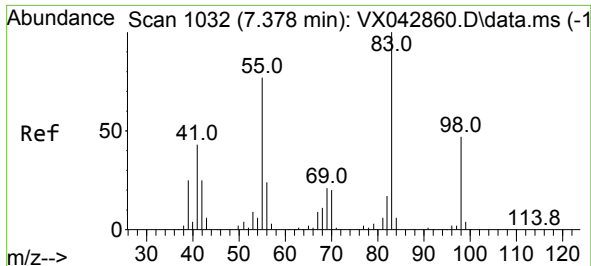
Tgt Ion: 75 Resp: 726
Ion Ratio Lower Upper
75 100
110 113.5 0.0 72.4#
77 28.0 0.0 63.4



#37
Trichloroethene
Concen: 0.672 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

Tgt Ion:130 Resp: 1720
Ion Ratio Lower Upper
130 100
95 87.8 81.4 122.2

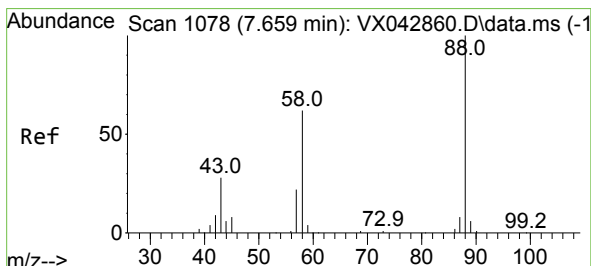
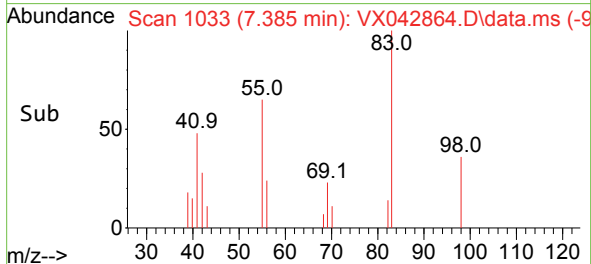
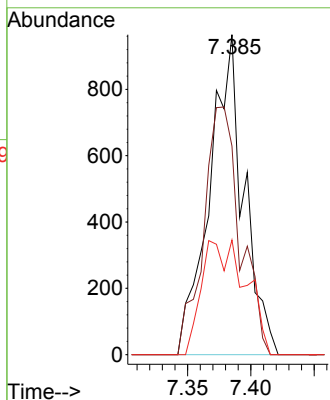
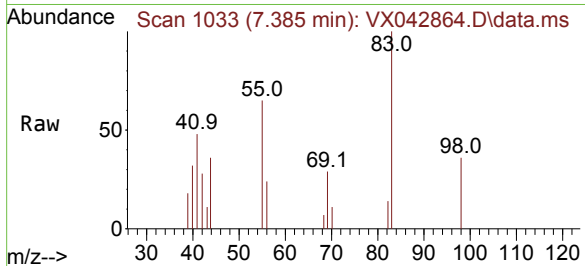




#38
Methylcyclohexane
Concen: 0.466 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.007 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

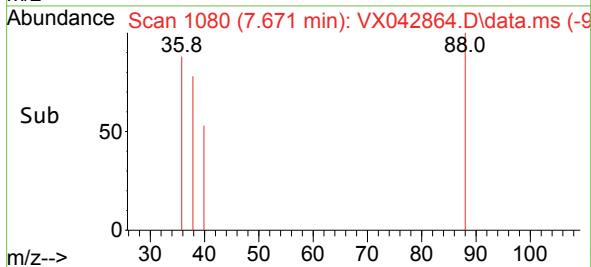
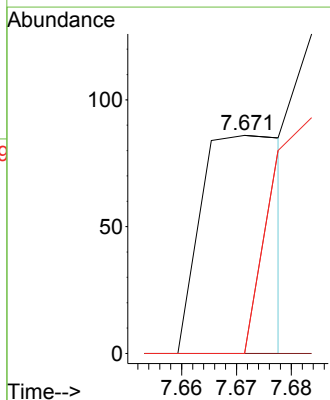
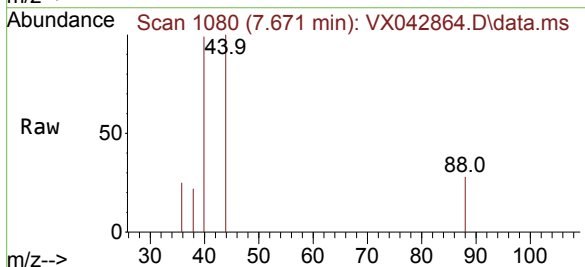
Instrument :
MSVOA_X
ClientSampleId :

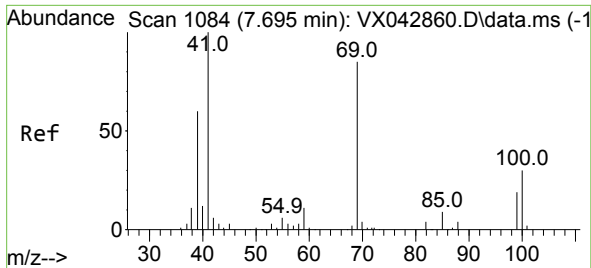
Tgt Ion: 83 Resp: 1822
Ion Ratio Lower Upper
83 100
55 70.6 38.0 113.9
98 24.5 23.4 70.2



#45
1,4-Dioxane
Concen: 1.415 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.013 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

Tgt Ion: 88 Resp: 93
Ion Ratio Lower Upper
88 100
43 0.0 25.8 38.6#
58 0.0 55.5 83.3#

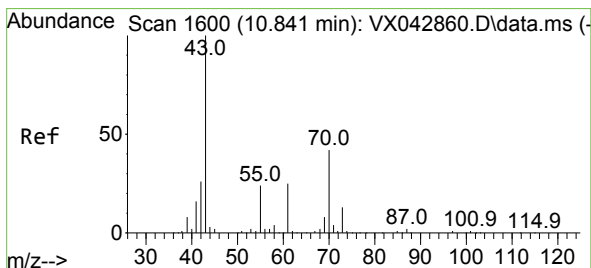
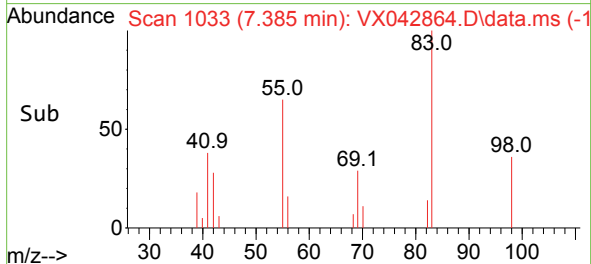
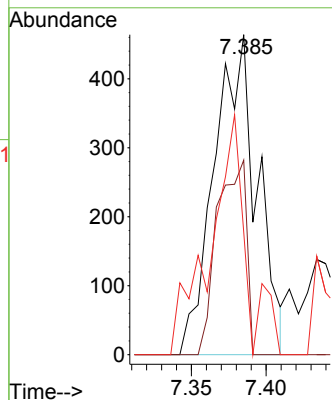
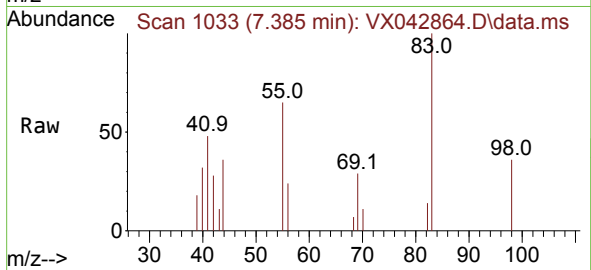




#46
Methyl methacrylate
Concen: 0.297 ug/l
RT: 7.385 min Scan# 1084
Delta R.T. -0.310 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

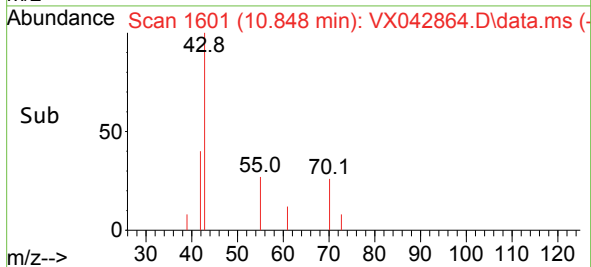
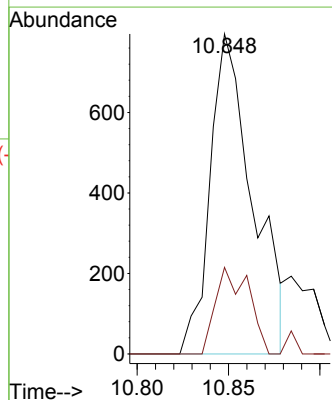
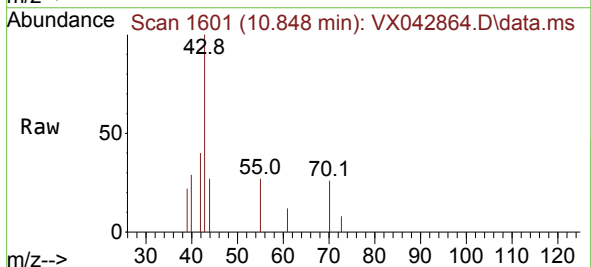
Instrument :
MSVOA_X
ClientSampleId :

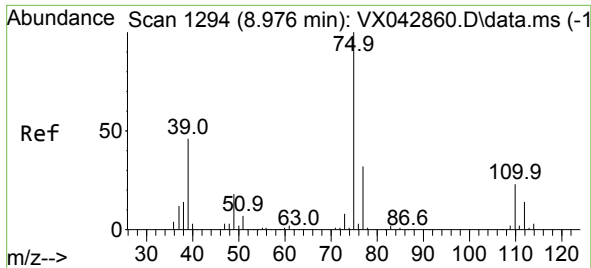
Tgt Ion: 41 Resp: 927
Ion Ratio Lower Upper
41 100
69 60.8 42.4 127.1
39 38.4 29.9 89.7



#47
n-amy1 Acetate
Concen: 0.240 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.007 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

Tgt Ion: 43 Resp: 1288
Ion Ratio Lower Upper
43 100
55 21.1 19.6 29.4

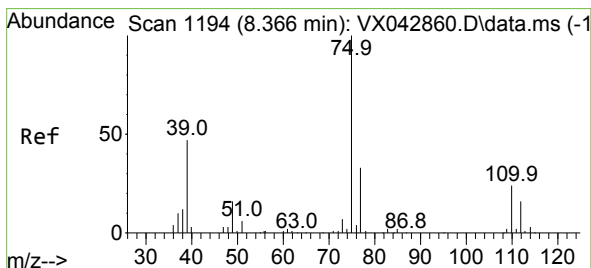
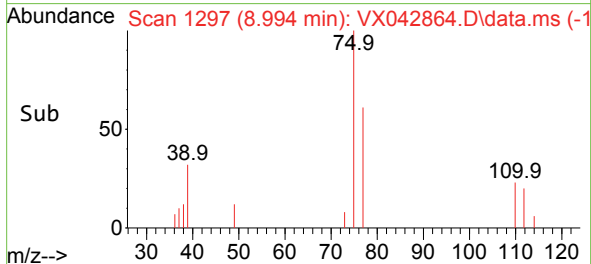
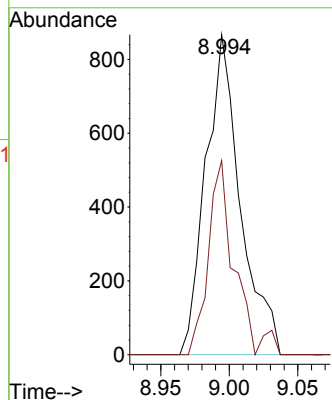
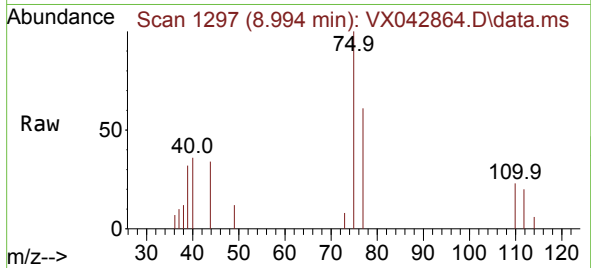




#48
 t-1,3-Dichloropropene
 Concen: 0.413 ug/l
 RT: 8.994 min Scan# 1195
 Delta R.T. 0.019 min
 Lab File: VX042864.D
 Acq: 06 Aug 2024 12:04

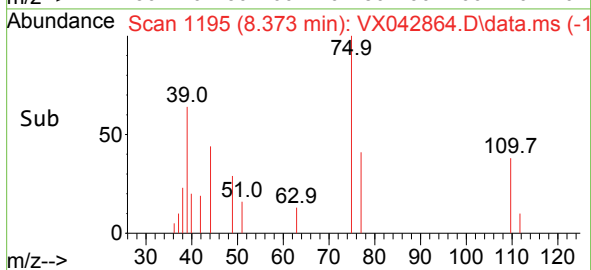
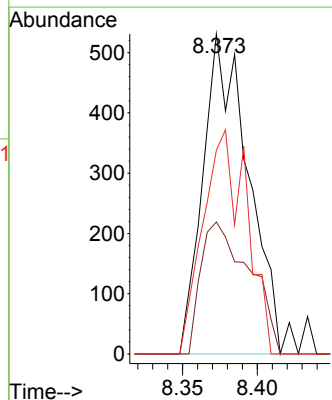
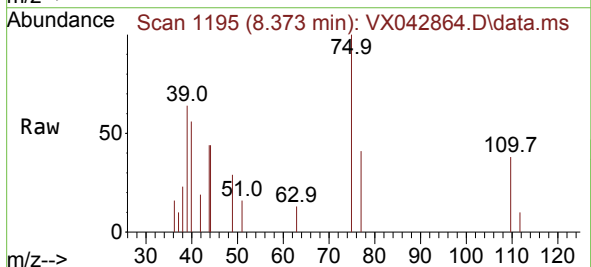
Instrument :
 MSVOA_X
 ClientSampleId :

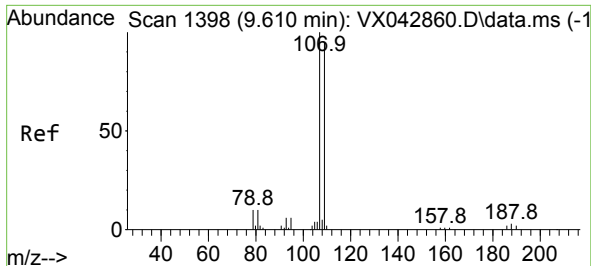
Tgt Ion: 75 Resp: 1526
 Ion Ratio Lower Upper
 75 100
 77 60.7 25.6 38.4#



#49
 cis-1,3-Dichloropropene
 Concen: 0.277 ug/l
 RT: 8.373 min Scan# 1195
 Delta R.T. 0.007 min
 Lab File: VX042864.D
 Acq: 06 Aug 2024 12:04

Tgt Ion: 75 Resp: 1110
 Ion Ratio Lower Upper
 75 100
 77 41.2 26.8 40.2#
 39 63.7 37.5 56.3#

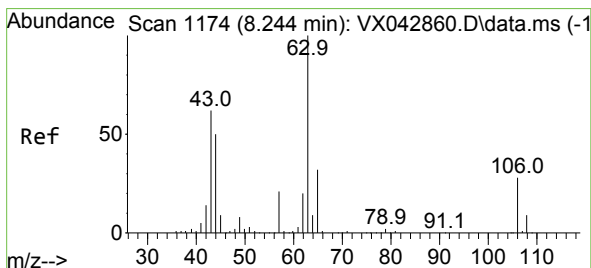
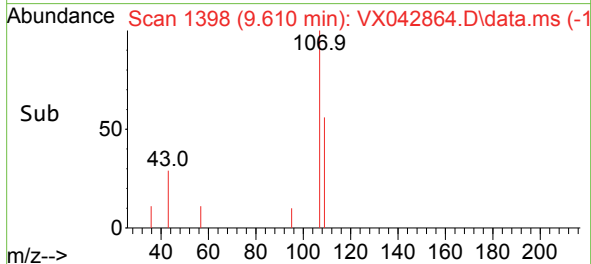
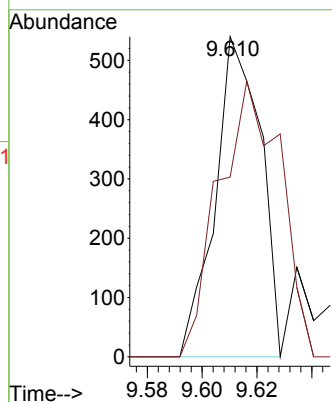
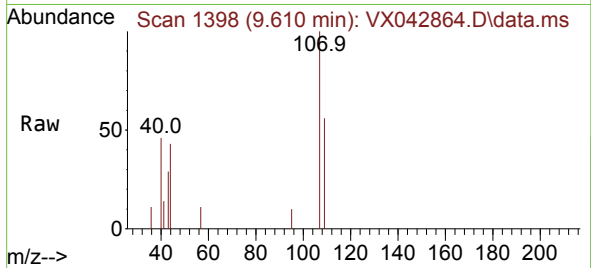




#54
1,2-Dibromoethane
Concen: 0.225 ug/l
RT: 9.610 min Scan# 111
Delta R.T. 0.001 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

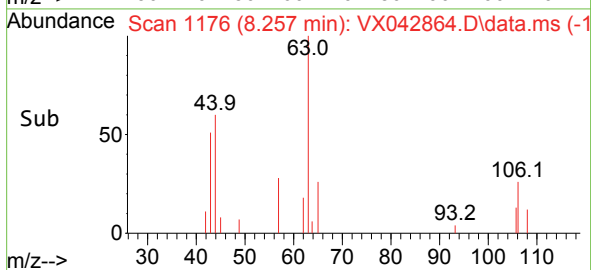
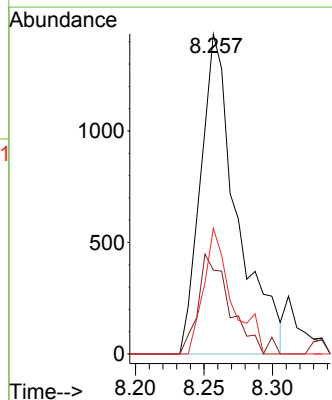
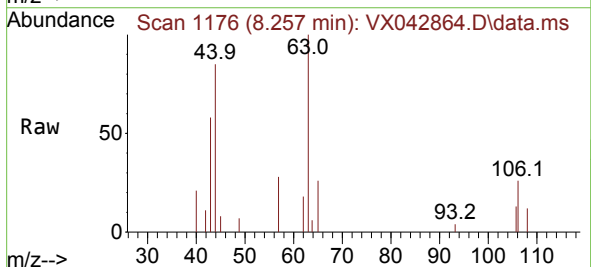
Instrument :
MSVOA_X
ClientSampleId :

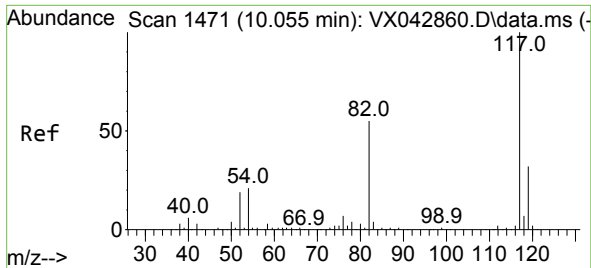
Tgt Ion:107 Resp: 622
Ion Ratio Lower Upper
107 100
109 116.6 74.2 111.4#



#55
2-Chloroethyl vinyl ether
Concen: 1.320 ug/l
RT: 8.257 min Scan# 1176
Delta R.T. 0.013 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

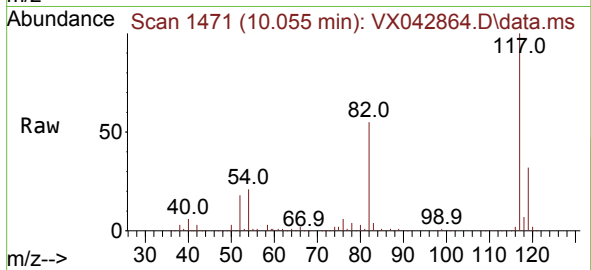
Tgt Ion: 63 Resp: 2647
Ion Ratio Lower Upper
63 100
65 26.8 26.3 39.5
106 27.8 21.8 32.6



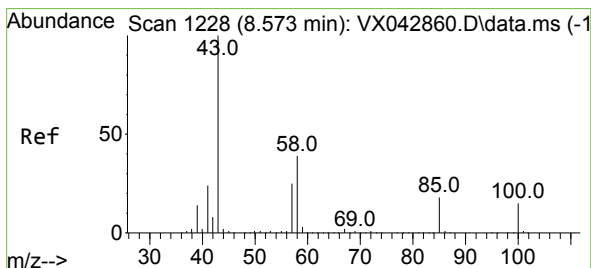
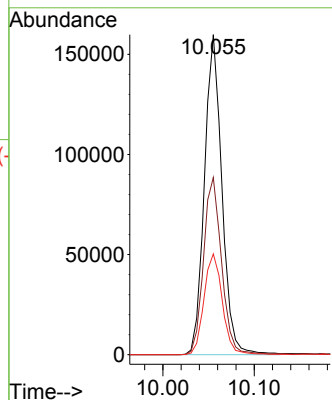
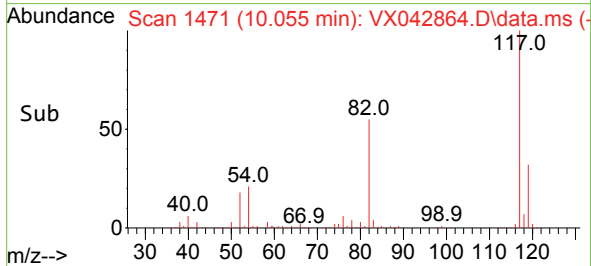


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.001 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

Instrument :
MSVOA_X
ClientSampleId :

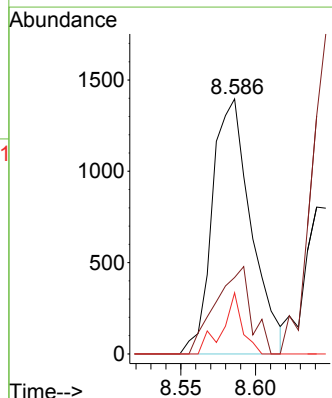
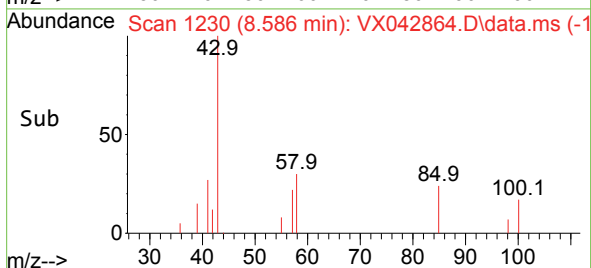
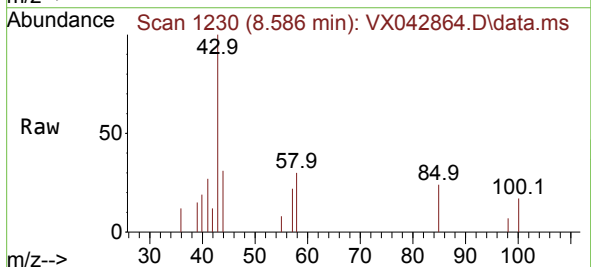


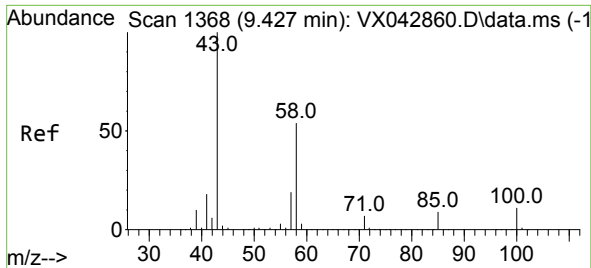
Tgt Ion:117 Resp: 212351
Ion Ratio Lower Upper
117 100
82 57.0 44.9 67.3
119 33.1 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 0.630 ug/l
RT: 8.586 min Scan# 1230
Delta R.T. 0.013 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

Tgt Ion: 43 Resp: 2520
Ion Ratio Lower Upper
43 100
58 31.4 31.4 47.0
85 9.5 14.6 21.8

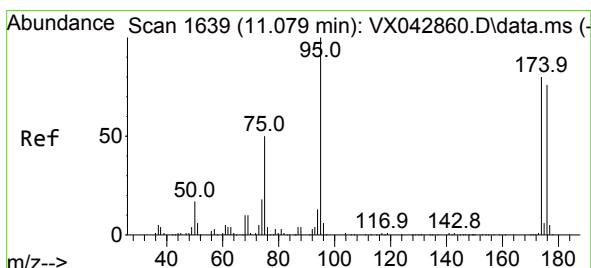
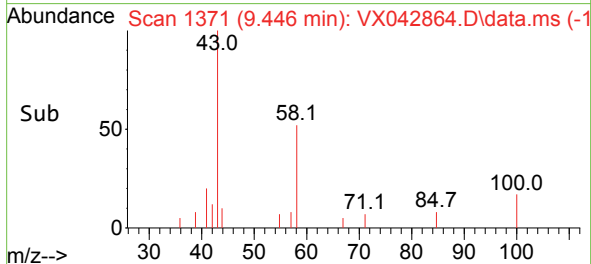
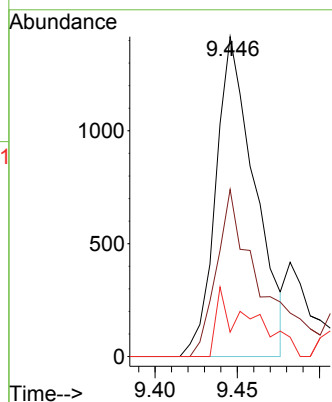
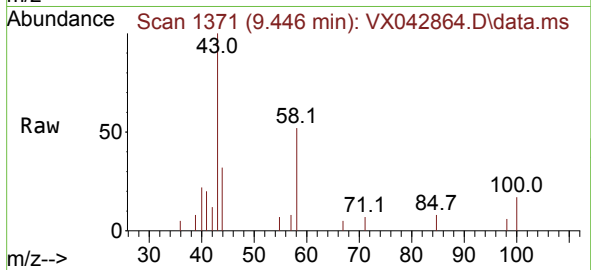




#59
2-Hexanone
Concen: 0.742 ug/l
RT: 9.446 min Scan# 1371
Delta R.T. 0.019 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

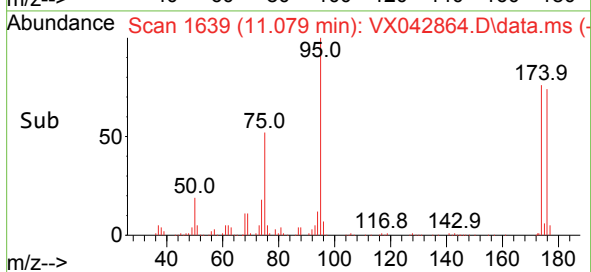
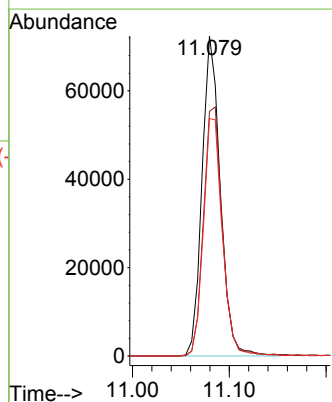
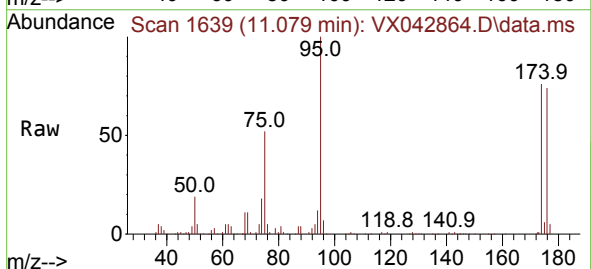
Instrument :
MSVOA_X
ClientSampleId :

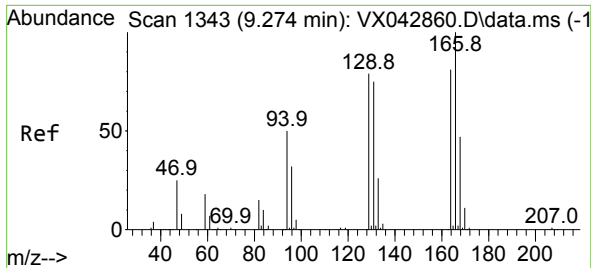
Tgt Ion: 43 Resp: 2346
Ion Ratio Lower Upper
43 100
58 42.5 43.5 65.3#
57 10.0 15.0 22.6#



#60
4-Bromofluorobenzene
Concen: 27.509 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.001 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

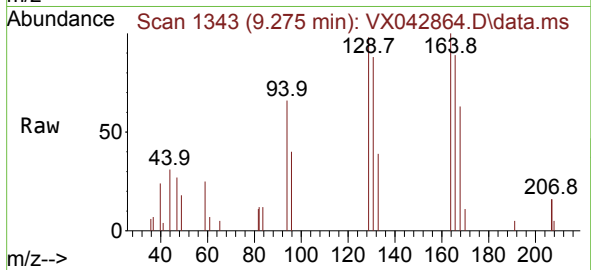
Tgt Ion: 95 Resp: 95301
Ion Ratio Lower Upper
95 100
174 80.6 65.0 97.6
176 77.1 63.4 95.0



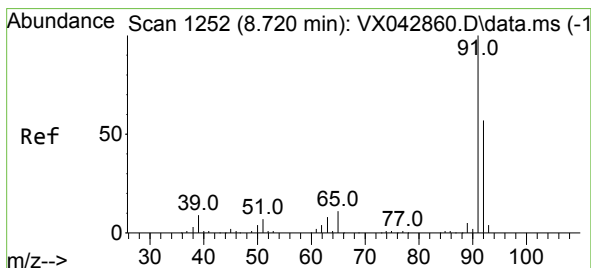
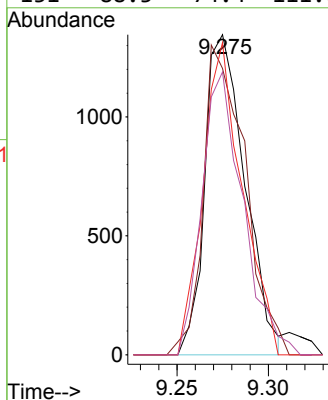
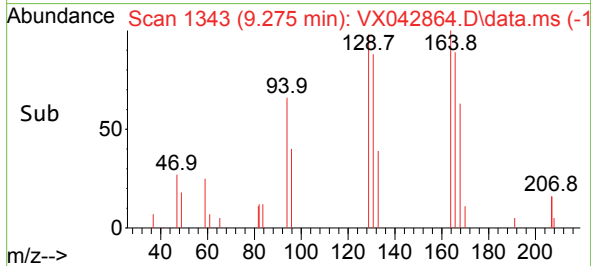


#61
Tetrachloroethene
Concen: 0.975 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

Instrument :
MSVOA_X
ClientSampleId :

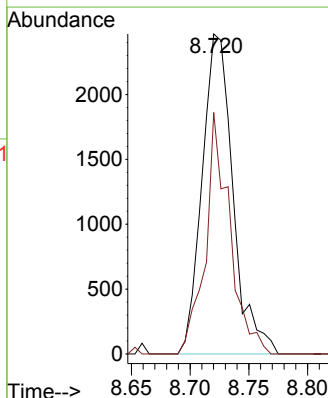
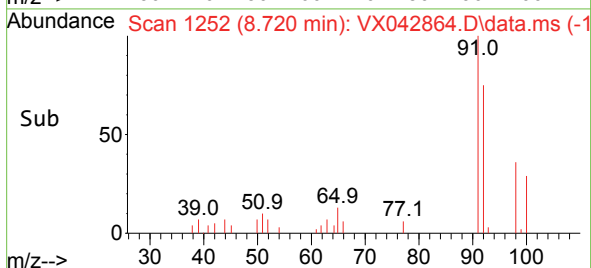
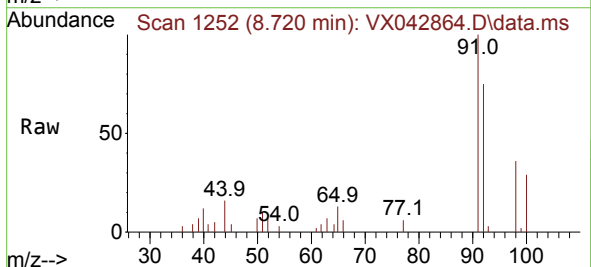


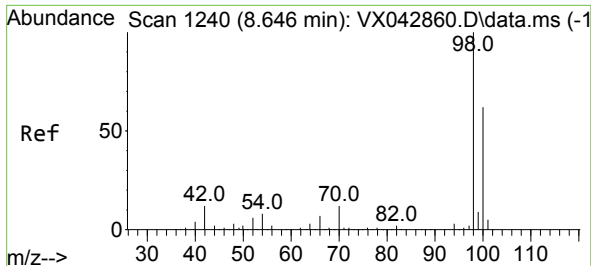
Tgt Ion:164 Resp: 2056
Ion Ratio Lower Upper
164 100
166 85.4 98.6 147.8#
129 97.5 77.4 116.0
131 88.3 74.4 111.6



#62
Toluene
Concen: 0.433 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.001 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

Tgt Ion: 91 Resp: 4505
Ion Ratio Lower Upper
91 100
92 59.2 45.7 68.5

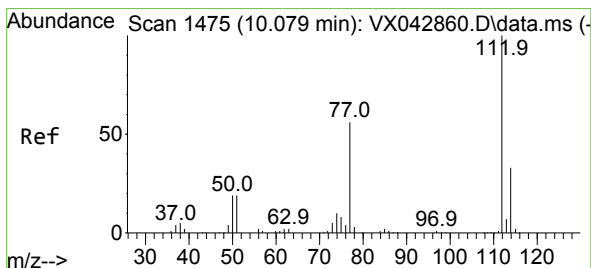
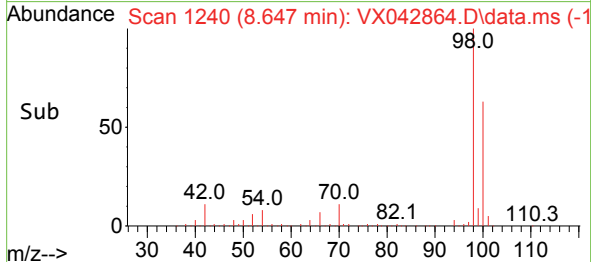
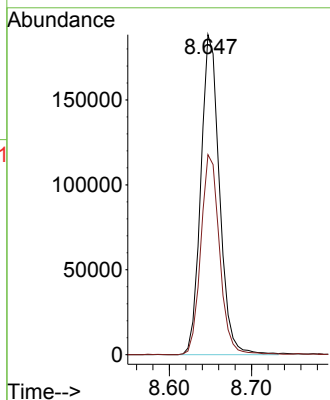
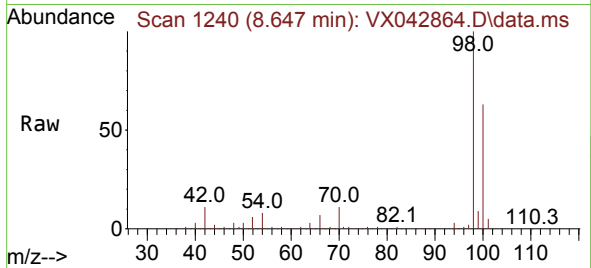




#63
Toluene-d8
Concen: 30.941 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

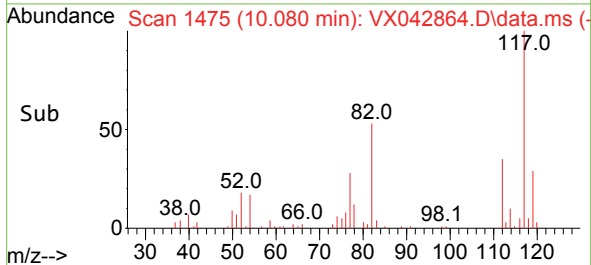
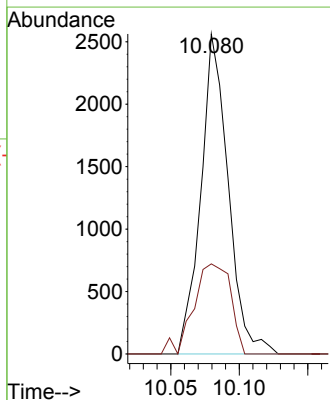
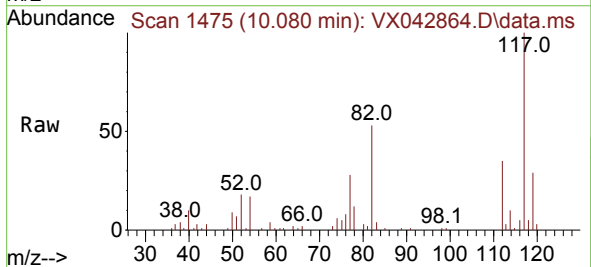
Instrument :
MSVOA_X
ClientSampleId :

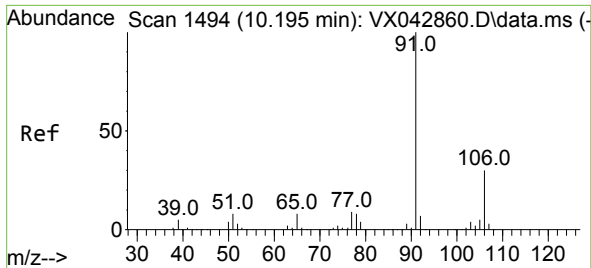
Tgt Ion: 98 Resp: 296784
Ion Ratio Lower Upper
98 100
100 62.7 50.9 76.3



#64
Chlorobenzene
Concen: 0.537 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.001 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

Tgt Ion: 112 Resp: 3573
Ion Ratio Lower Upper
112 100
114 28.2 26.3 39.5

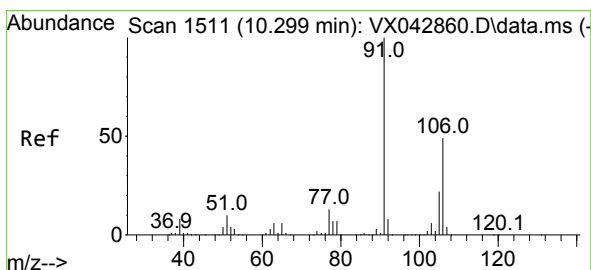
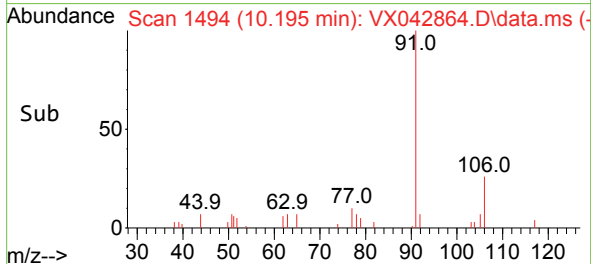
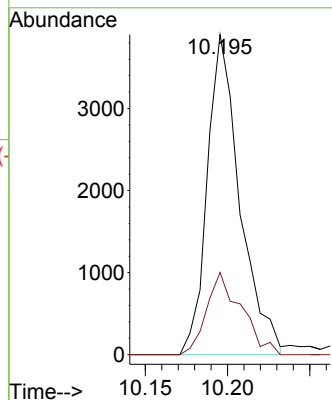
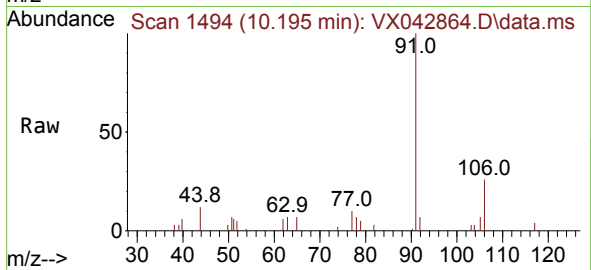




#66
Ethyl Benzene
Concen: 0.466 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.001 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

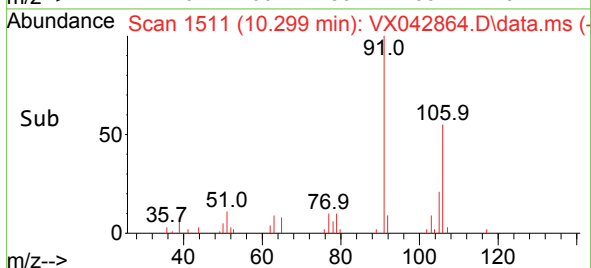
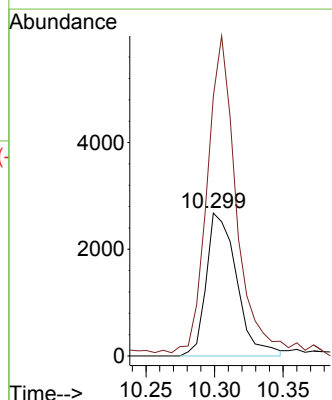
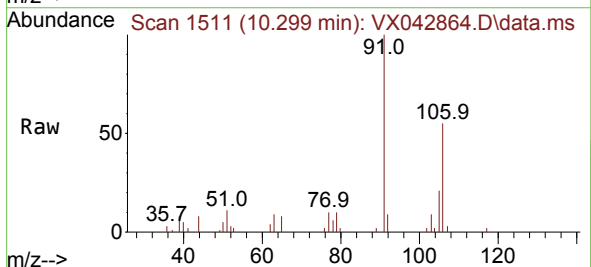
Instrument :
MSVOA_X
ClientSampleId :

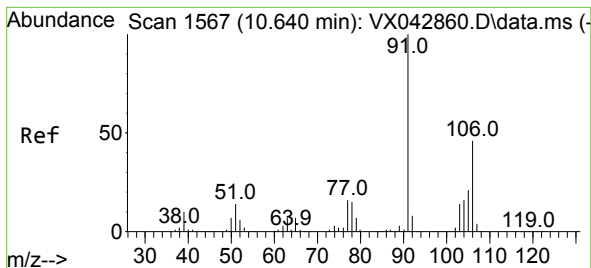
Tgt Ion: 91 Resp: 5384
Ion Ratio Lower Upper
91 100
106 25.7 23.8 35.8



#67
m/p-Xylenes
Concen: 0.947 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.001 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

Tgt Ion: 106 Resp: 4137
Ion Ratio Lower Upper
106 100
91 211.0 165.3 247.9





#68

o-Xylene

Concen: 0.363 ug/l

RT: 10.647 min Scan# 1562

Delta R.T. 0.007 min

Lab File: VX042864.D

Acq: 06 Aug 2024 12:04

Instrument :

MSVOA_X

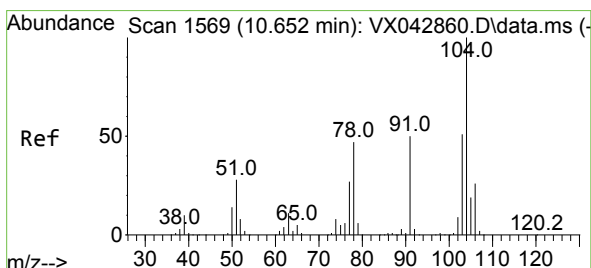
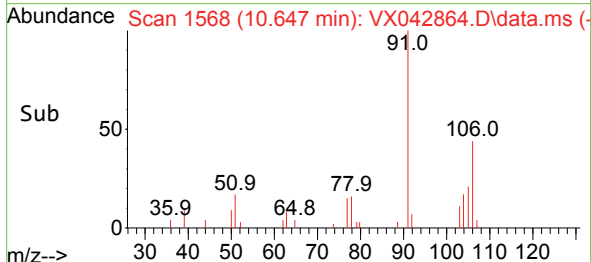
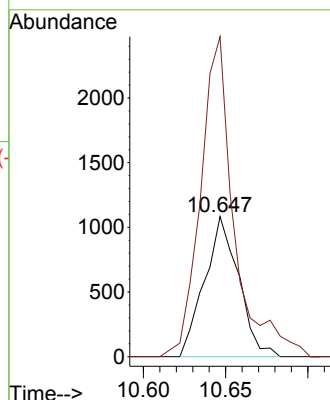
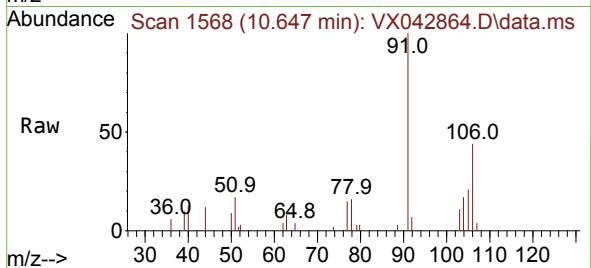
ClientSampleId :

Tgt Ion:106 Resp: 1562

Ion Ratio Lower Upper

106 100

91 209.4 107.5 322.4



#69

Styrene

Concen: 0.422 ug/l

RT: 10.659 min Scan# 1570

Delta R.T. 0.007 min

Lab File: VX042864.D

Acq: 06 Aug 2024 12:04

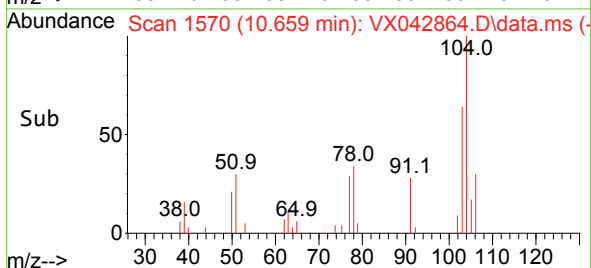
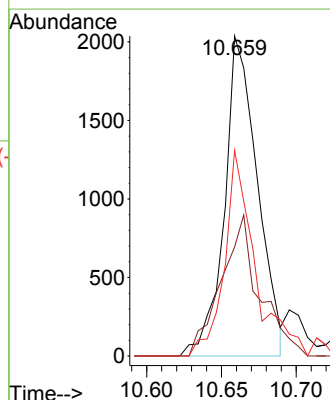
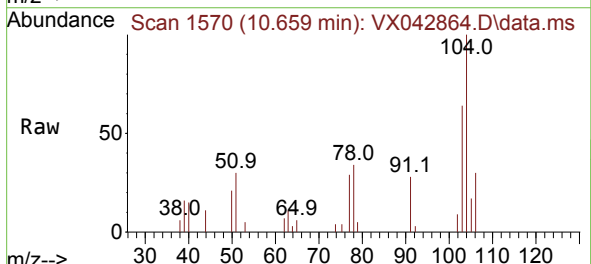
Tgt Ion:104 Resp: 3132

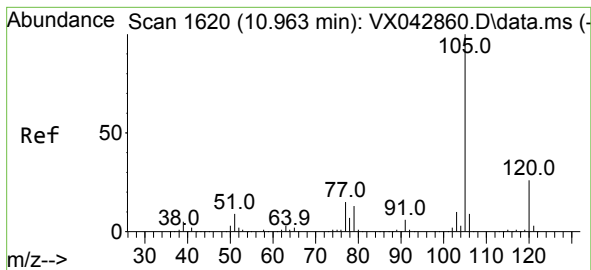
Ion Ratio Lower Upper

104 100

78 42.8 41.1 61.7

103 49.9 44.2 66.2





#70

Isopropylbenzene

Concen: 0.401 ug/l

RT: 10.964 min Scan# 1

Delta R.T. 0.001 min

Lab File: VX042864.D

Acq: 06 Aug 2024 12:04

Instrument :

MSVOA_X

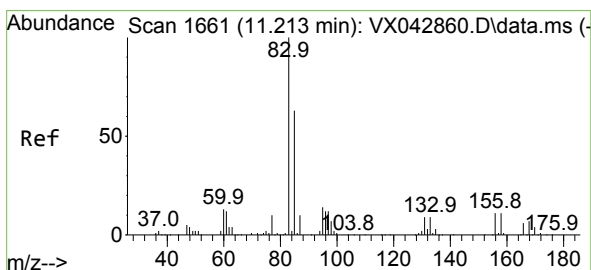
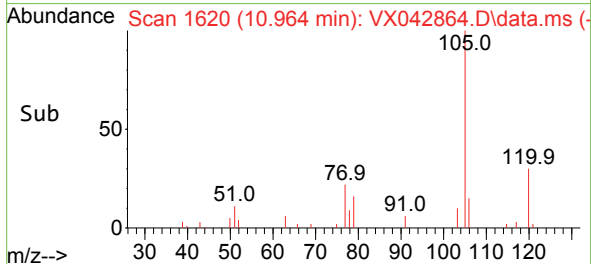
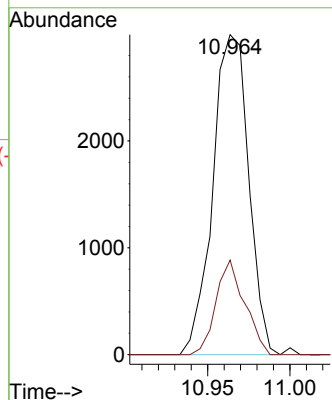
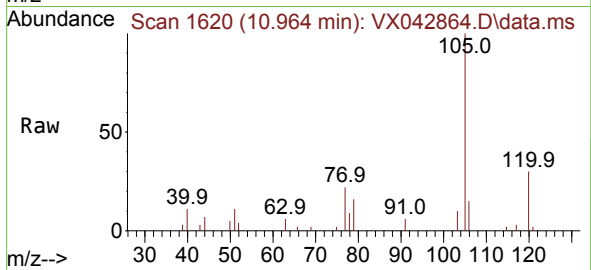
ClientSampleId :

Tgt Ion:105 Resp: 4547

Ion Ratio Lower Upper

105 100

120 23.7 18.4 34.2



#71

1,1,2,2-Tetrachloroethane

Concen: 0.212 ug/l

RT: 11.214 min Scan# 1661

Delta R.T. 0.001 min

Lab File: VX042864.D

Acq: 06 Aug 2024 12:04

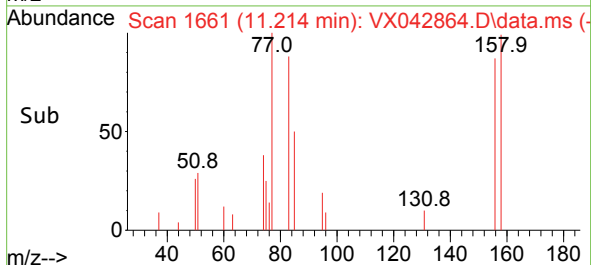
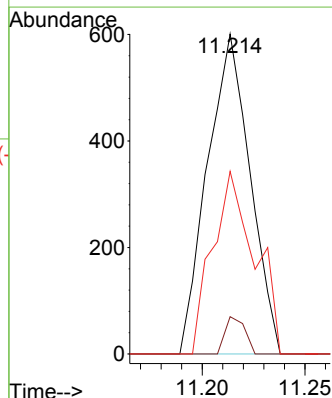
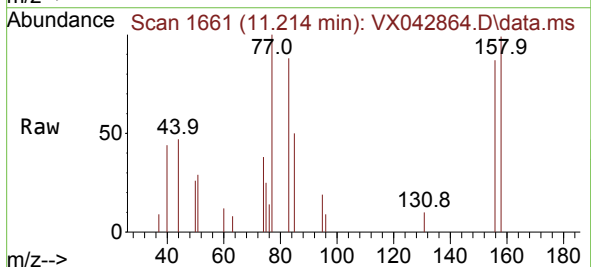
Tgt Ion: 83 Resp: 867

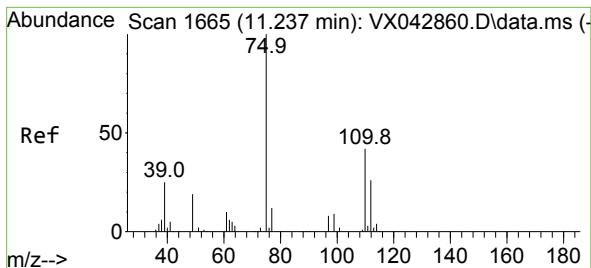
Ion Ratio Lower Upper

83 100

131 5.3 4.9 14.7

85 56.4 32.0 96.2

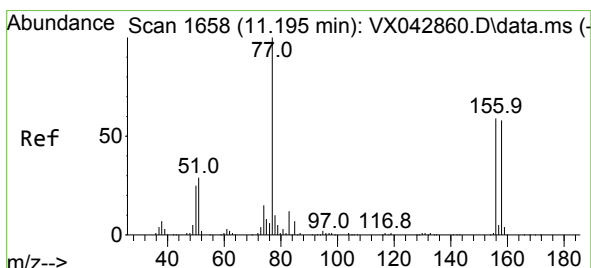
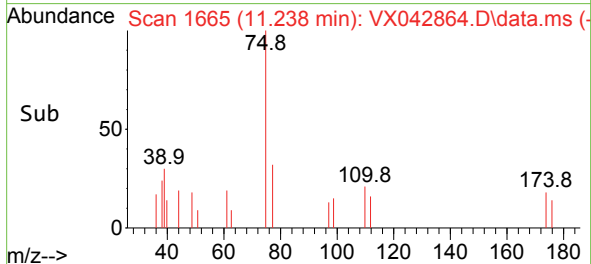
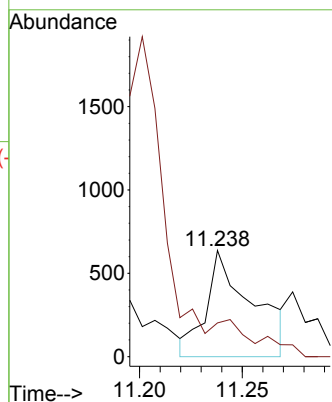
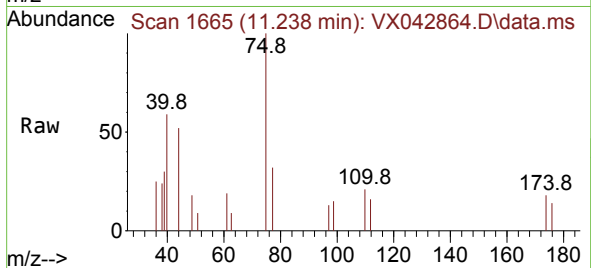




#72
1,2,3-Trichloropropane
Concen: 0.295 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.001 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

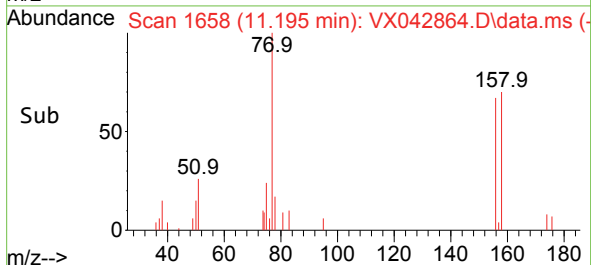
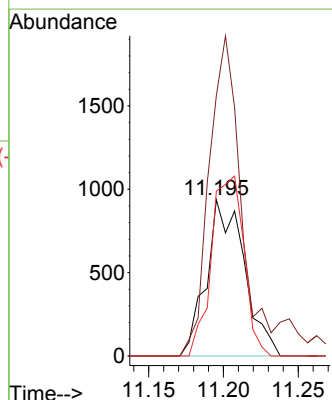
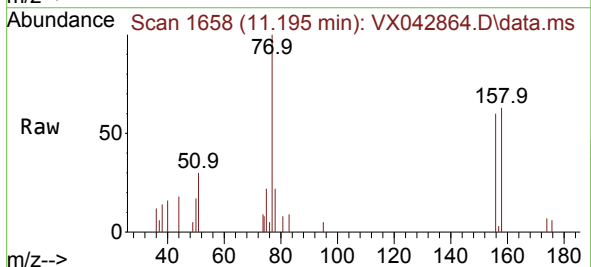
Instrument :
MSVOA_X
ClientSampleId :

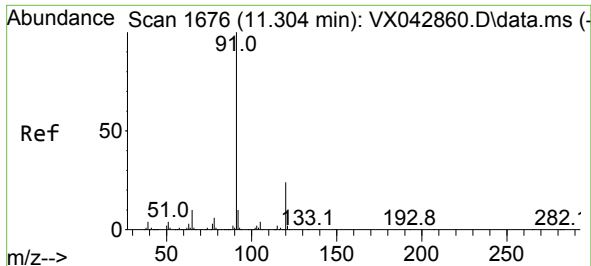
Tgt Ion: 75 Resp: 984
Ion Ratio Lower Upper
75 100
77 13.6 0.0 89.6



#73
Bromobenzene
Concen: 0.572 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.001 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

Tgt Ion: 156 Resp: 1647
Ion Ratio Lower Upper
156 100
77 170.6 0.0 317.2
158 99.1 0.0 195.2

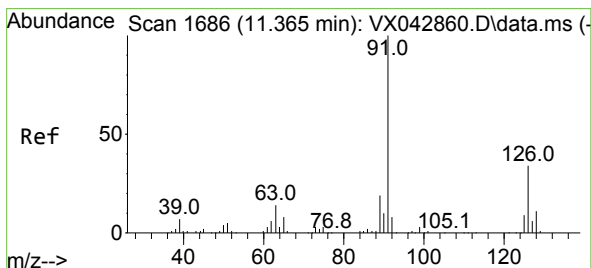
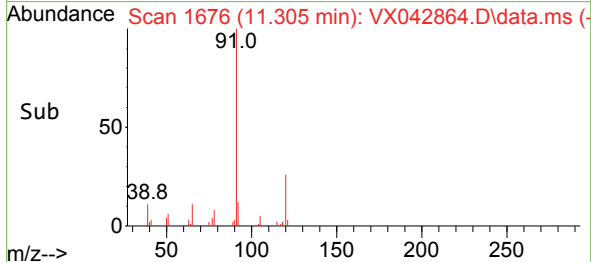
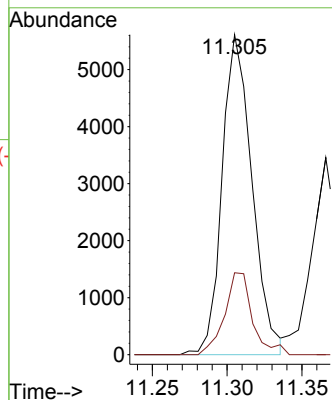
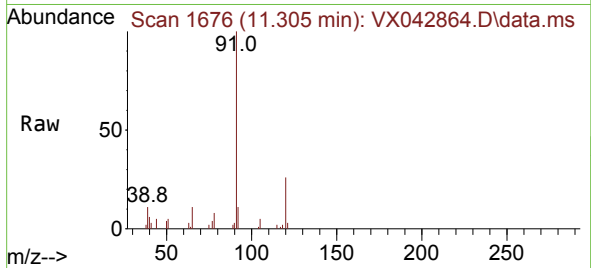




#74
n-propylbenzene
Concen: 0.588 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.001 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

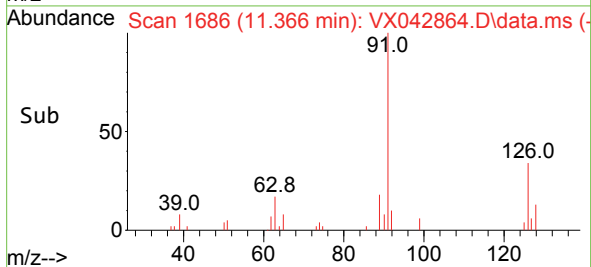
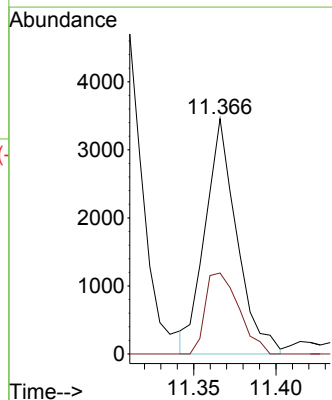
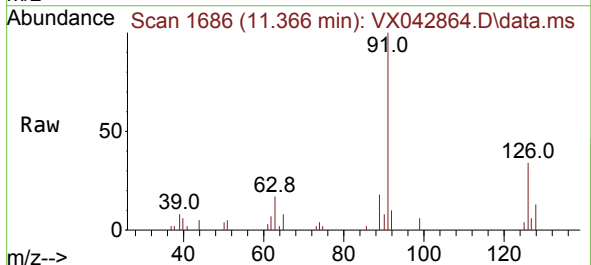
Instrument :
MSVOA_X
ClientSampleId :

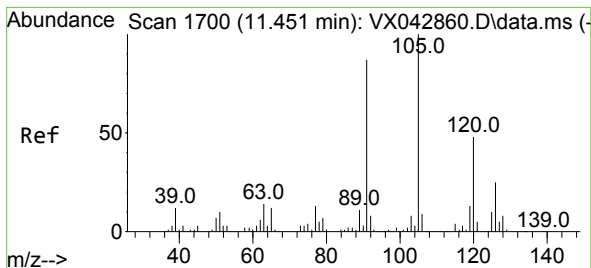
Tgt Ion: 91 Resp: 7803
Ion Ratio Lower Upper
91 100
120 23.0 0.0 45.8



#75
2-Chlorotoluene
Concen: 0.572 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

Tgt Ion: 91 Resp: 4635
Ion Ratio Lower Upper
91 100
126 36.6 0.0 66.2

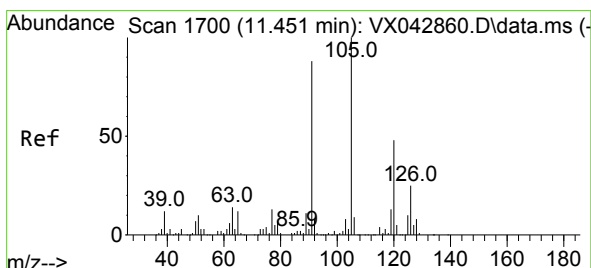
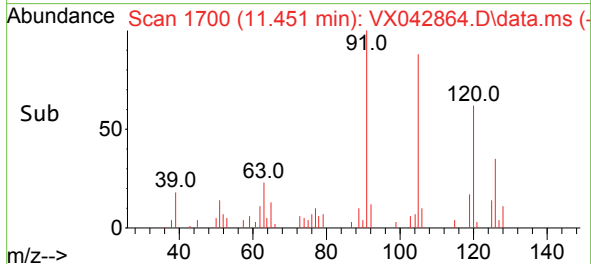
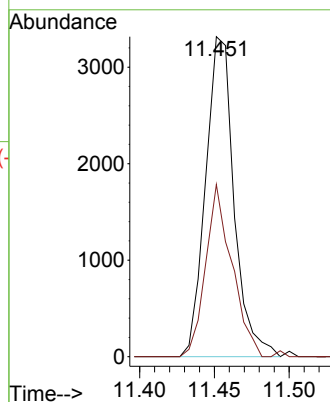
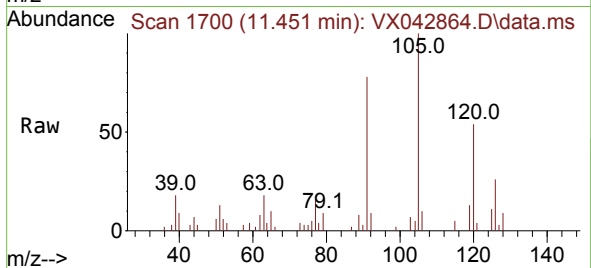




#76
1,3,5-Trimethylbenzene
Concen: 0.457 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

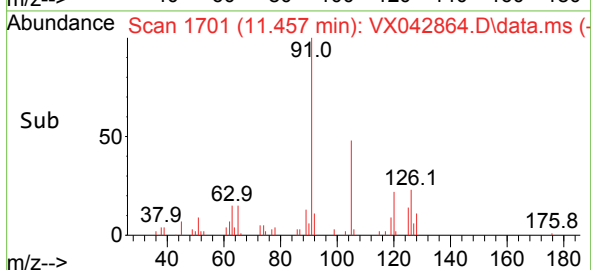
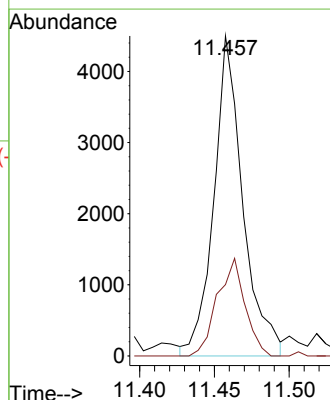
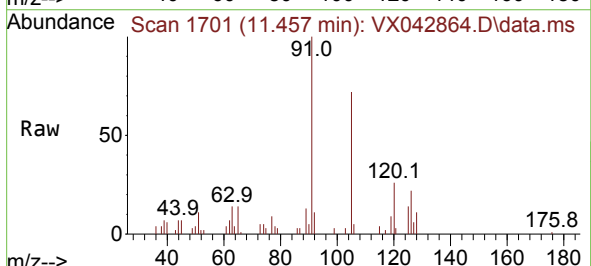
Instrument :
MSVOA_X
ClientSampleId :

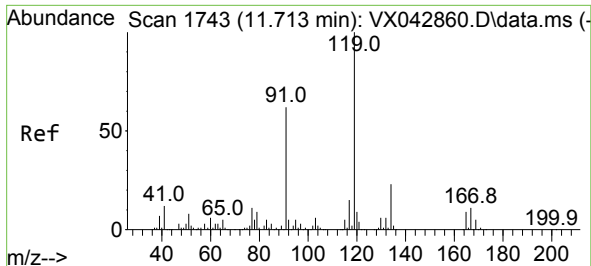
Tgt Ion:	105	Resp:	4395
Ion Ratio	Lower	Upper	
105	100		
120	49.5	0.0	94.8



#78
4-Chlorotoluene
Concen: 0.652 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.007 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

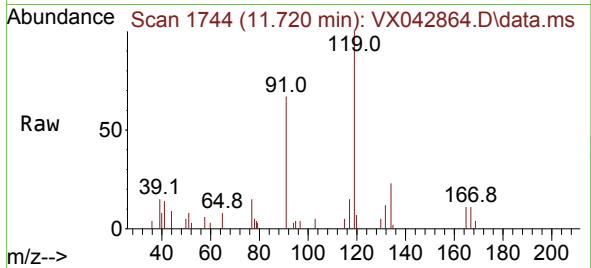
Tgt Ion:	91	Resp:	6056
Ion Ratio	Lower	Upper	
91	100		
126	29.2	0.0	59.4



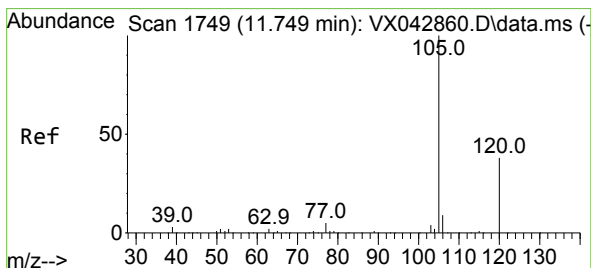
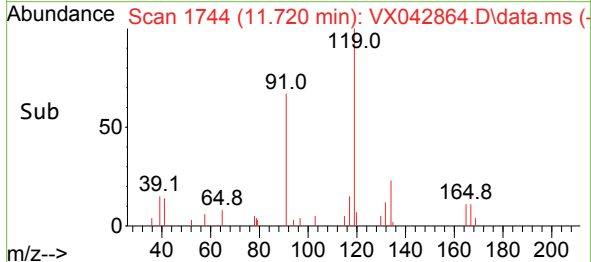
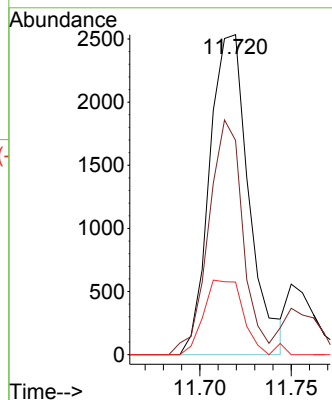


#79
tert-butylbenzene
Concen: 0.385 ug/l
RT: 11.720 min Scan# 1744
Delta R.T. 0.007 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

Instrument :
MSVOA_X
ClientSampleId :

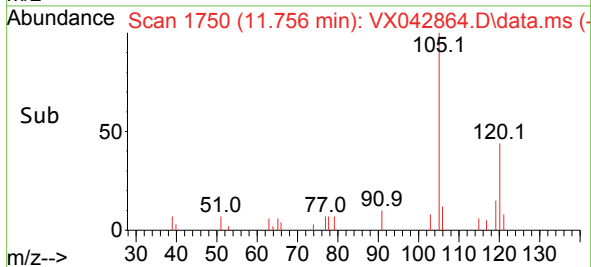
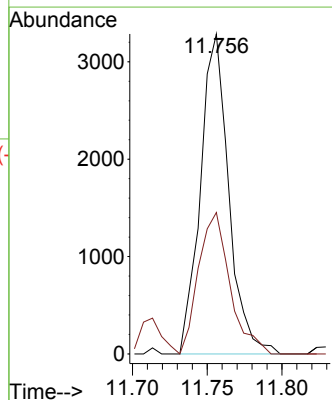
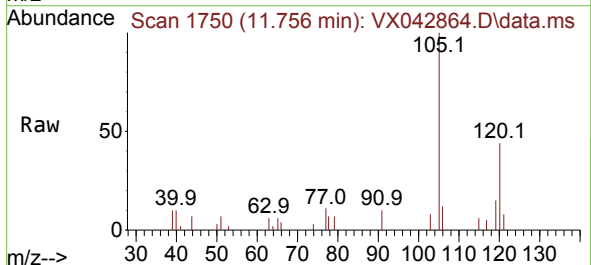


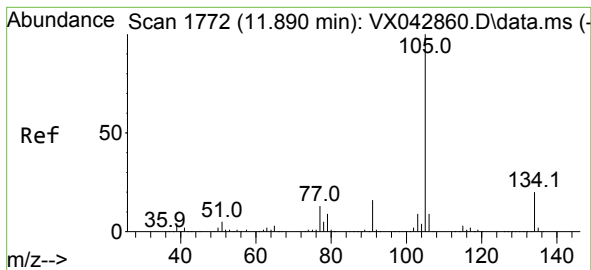
Tgt Ion:119 Resp: 3797
Ion Ratio Lower Upper
119 100
91 63.9 0.0 118.6
134 23.1 0.0 44.4



#80
1,2,4-Trimethylbenzene
Concen: 0.457 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.007 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

Tgt Ion:105 Resp: 4333
Ion Ratio Lower Upper
105 100
120 49.0 0.0 87.8

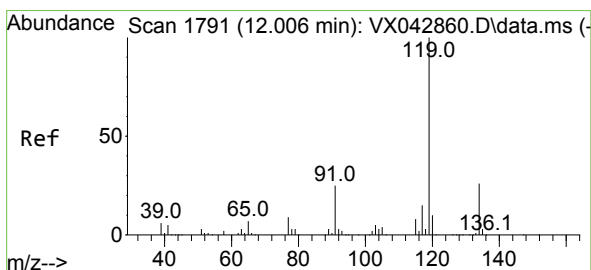
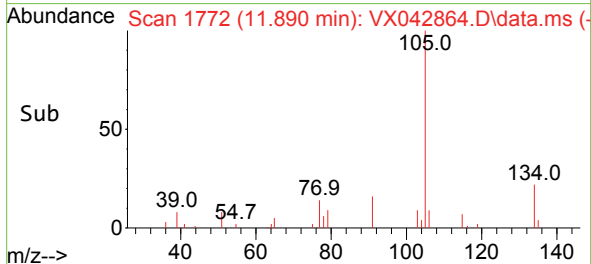
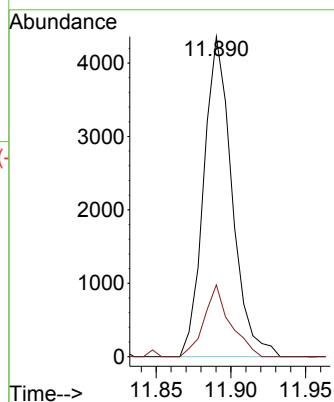
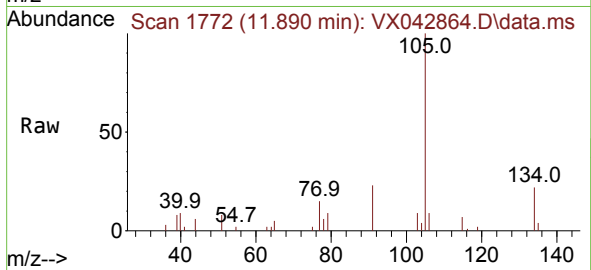




#81
 sec-Butylbenzene
 Concen: 0.474 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.001 min
 Lab File: VX042864.D
 Acq: 06 Aug 2024 12:04

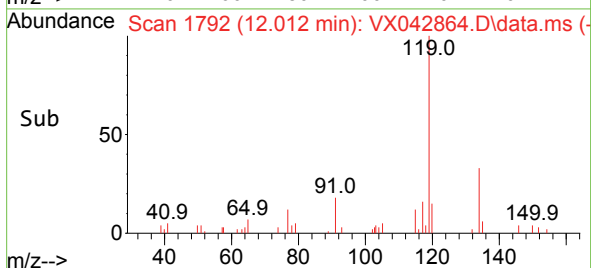
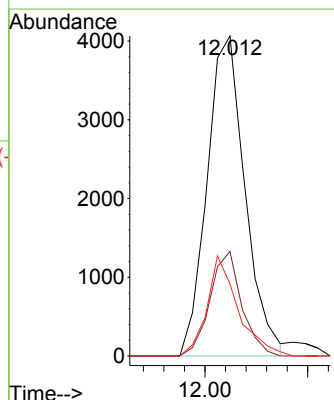
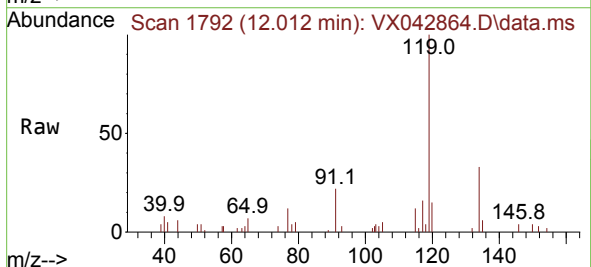
Instrument :
 MSVOA_X
 ClientSampleId :

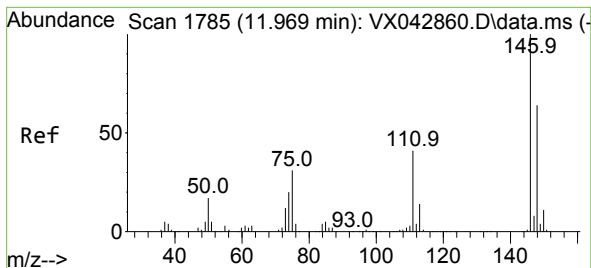
Tgt Ion:105 Resp: 5730
 Ion Ratio Lower Upper
 105 100
 134 20.6 0.0 40.0



#82
 p-Isopropyltoluene
 Concen: 0.515 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.007 min
 Lab File: VX042864.D
 Acq: 06 Aug 2024 12:04

Tgt Ion:119 Resp: 5214
 Ion Ratio Lower Upper
 119 100
 134 27.3 0.0 51.8
 91 25.7 0.0 48.4





#83

1,3-Dichlorobenzene

Concen: 0.909 ug/l

RT: 11.976 min Scan# 1786

Delta R.T. 0.007 min

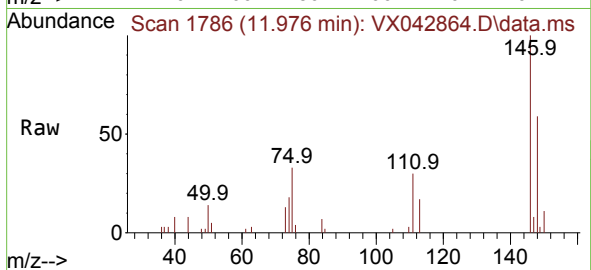
Lab File: VX042864.D

Acq: 06 Aug 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :



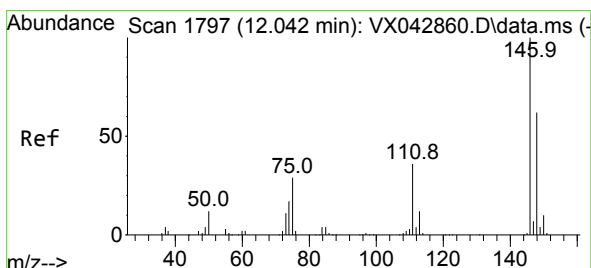
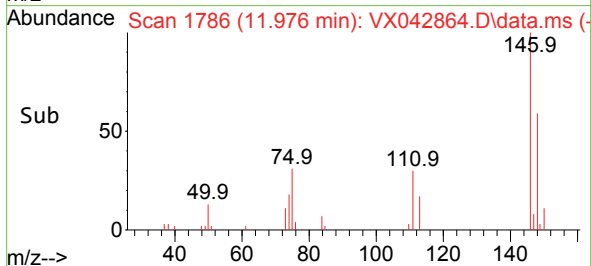
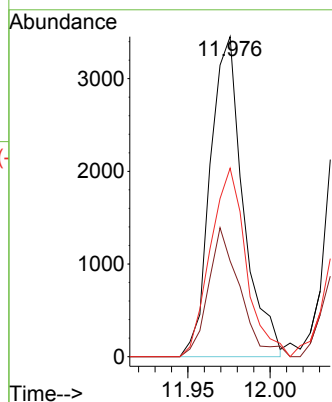
Tgt Ion:146 Resp: 4823

Ion Ratio Lower Upper

146 100

111 37.7 20.3 61.0

148 63.7 31.7 95.1



#84

1,4-Dichlorobenzene

Concen: 0.921 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.001 min

Lab File: VX042864.D

Acq: 06 Aug 2024 12:04

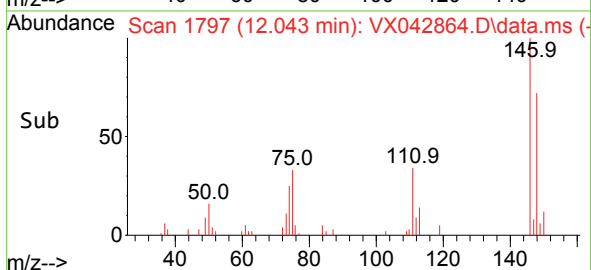
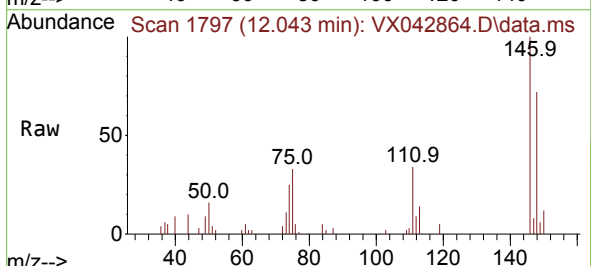
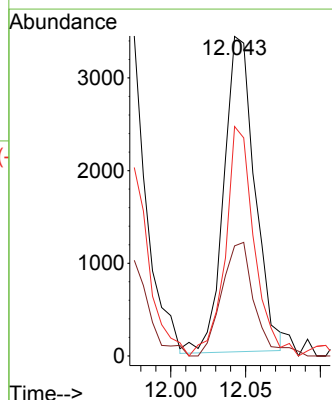
Tgt Ion:146 Resp: 4913

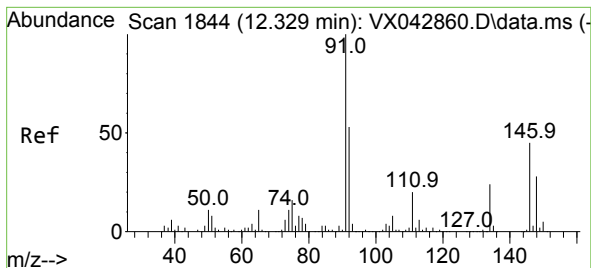
Ion Ratio Lower Upper

146 100

111 37.1 19.4 58.4

148 67.7 31.4 94.2





#85

n-Butylbenzene

Concen: 0.669 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.007 min

Lab File: VX042864.D

Acq: 06 Aug 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

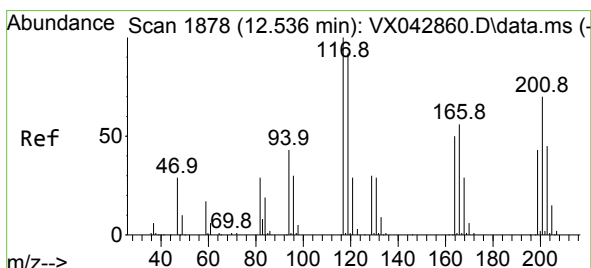
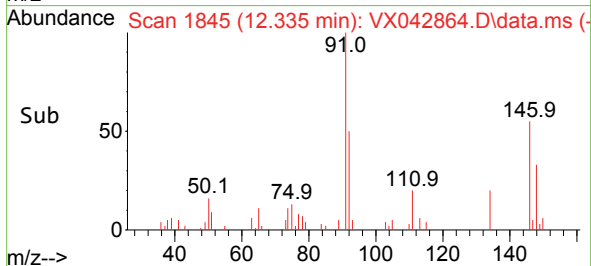
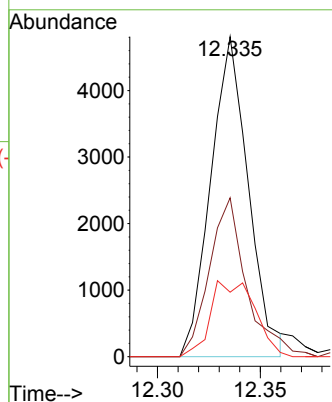
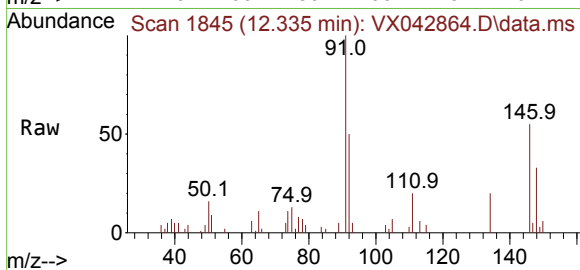
Tgt Ion: 91 Resp: 6102

Ion Ratio Lower Upper

91 100

92 49.4 0.0 106.4

134 28.0 0.0 50.6



#86

Hexachloroethane

Concen: 0.320 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.001 min

Lab File: VX042864.D

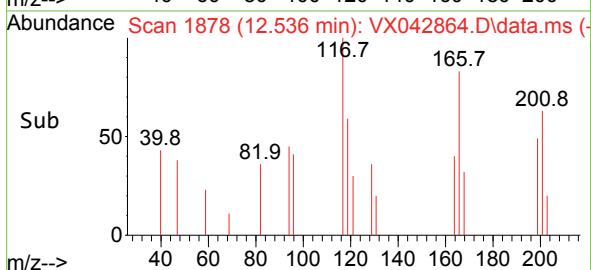
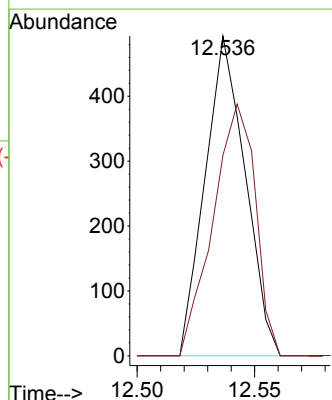
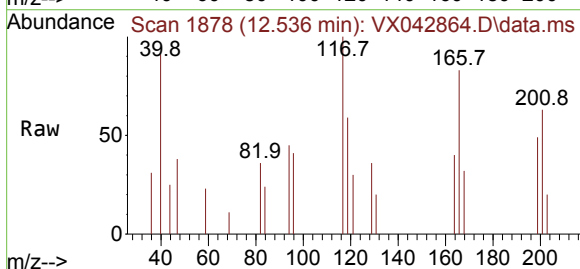
Acq: 06 Aug 2024 12:04

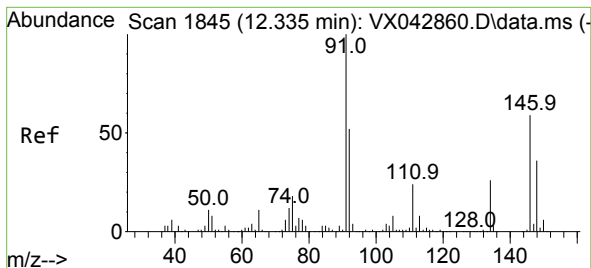
Tgt Ion: 117 Resp: 584

Ion Ratio Lower Upper

117 100

201 83.4 37.5 112.7





#87

1,2-Dichlorobenzene

Concen: 0.728 ug/l

RT: 12.341 min Scan# 1845

Delta R.T. 0.007 min

Lab File: VX042864.D

Acq: 06 Aug 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

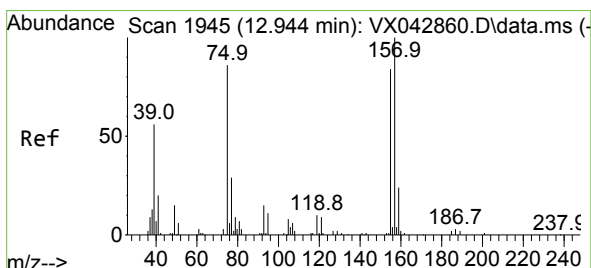
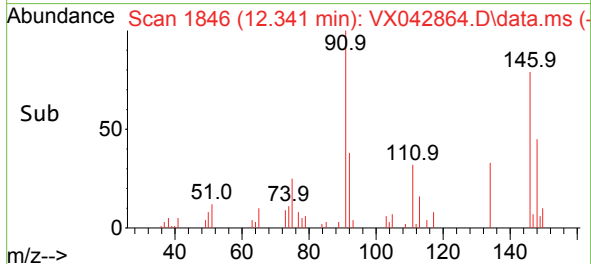
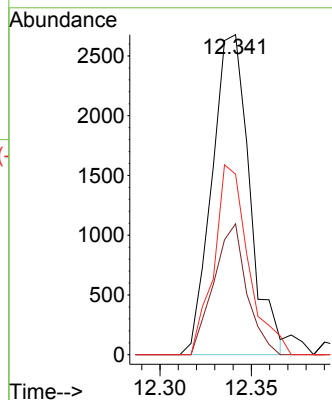
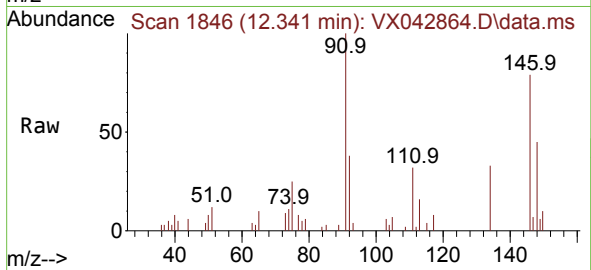
Tgt Ion:146 Resp: 3848

Ion Ratio Lower Upper

146 100

111 35.8 21.0 63.0

148 54.1 30.8 92.4



#88

1,2-Dibromo-3-Chloropropane

Concen: 0.405 ug/l

RT: 12.945 min Scan# 1945

Delta R.T. 0.001 min

Lab File: VX042864.D

Acq: 06 Aug 2024 12:04

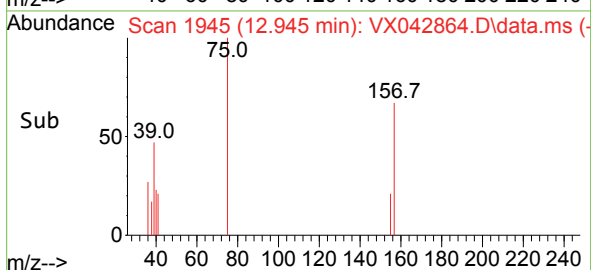
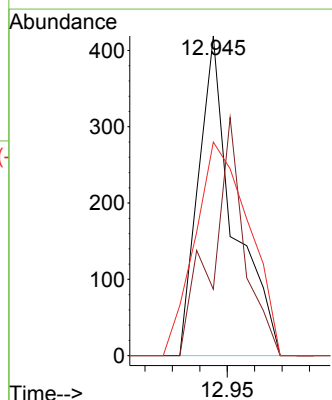
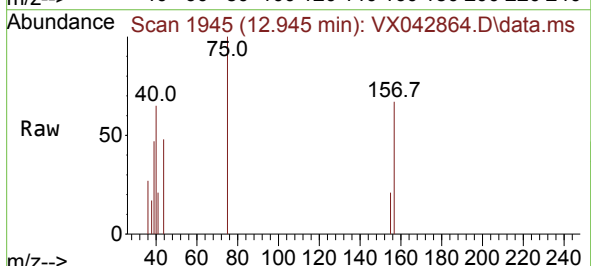
Tgt Ion: 75 Resp: 374

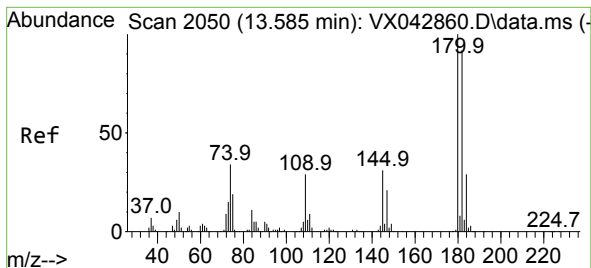
Ion Ratio Lower Upper

75 100

155 68.2 68.7 103.1#

157 102.9 86.7 130.1





#89

1,2,4-Trichlorobenzene

Concen: 1.482 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.007 min

Lab File: VX042864.D

Acq: 06 Aug 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

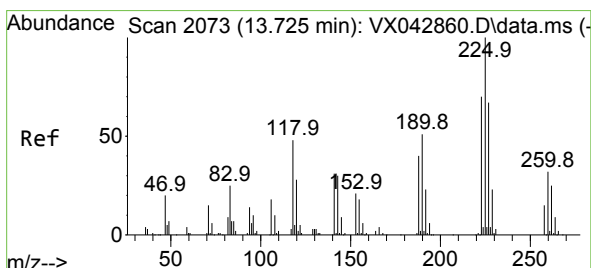
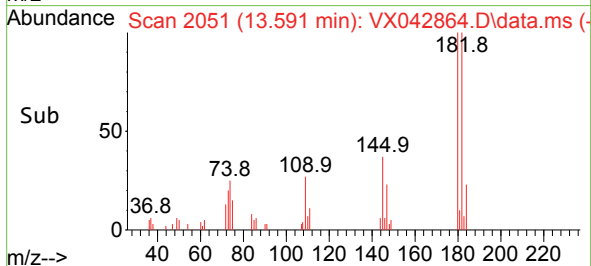
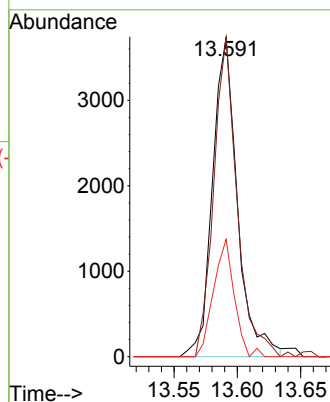
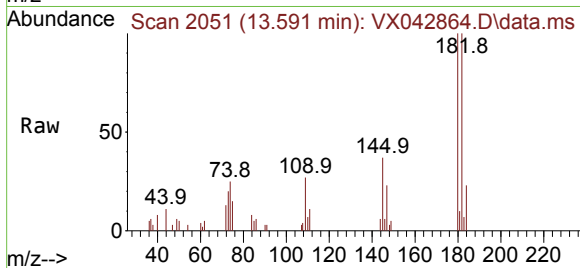
Tgt Ion:180 Resp: 5093

Ion Ratio Lower Upper

180 100

182 93.9 73.1 109.7

145 30.1 24.6 37.0



#90

Hexachlorobutadiene

Concen: 0.774 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.001 min

Lab File: VX042864.D

Acq: 06 Aug 2024 12:04

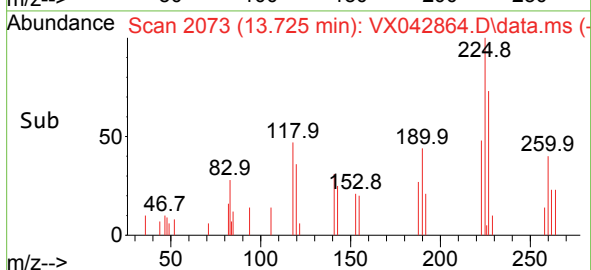
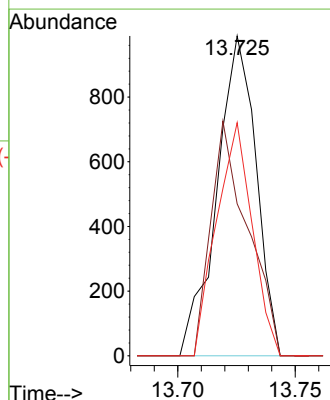
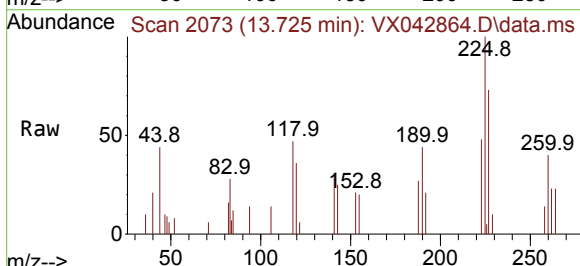
Tgt Ion:225 Resp: 1150

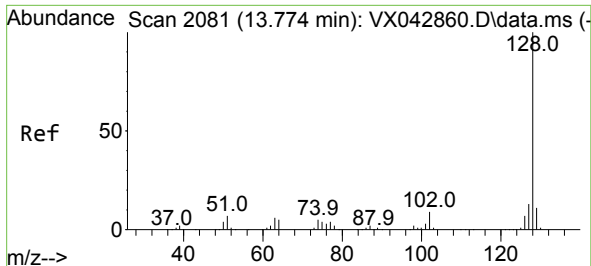
Ion Ratio Lower Upper

225 100

223 68.6 0.0 135.0

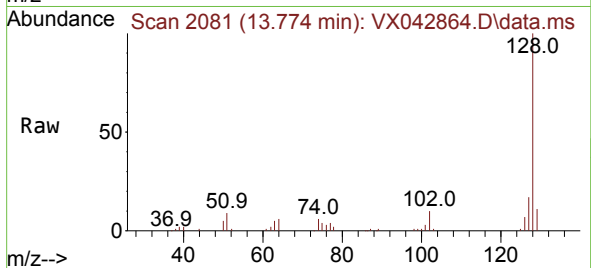
227 66.3 0.0 130.4



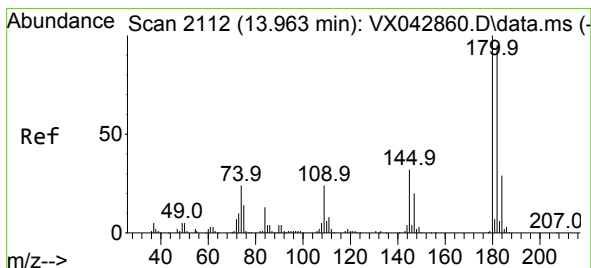
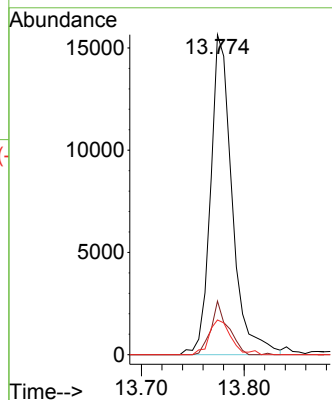


#91
Naphthalene
Concen: 1.971 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.001 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	22803
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	10.5	8.8	13.2



#92
1,2,3-Trichlorobenzene
Concen: 1.637 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.001 min
Lab File: VX042864.D
Acq: 06 Aug 2024 12:04

Tgt Ion:	180	Resp:	5682
Ion	Ratio	Lower	Upper
180	100		
182	93.3	0.0	185.8
145	31.8	0.0	65.2

