

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081324\
 Data File : VX043010.D
 Acq On : 13 Aug 2024 12:21
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 04:29:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X081324W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 13 13:22:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.897	128	30457	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	175718	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	150534	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	68996	27.985	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.300%
60) 4-Bromofluorobenzene	11.079	95	71077	27.814	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.700%
63) Toluene-d8	8.647	98	213379	30.857	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.867%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1069	0.616	ug/l	88
4) Vinyl Chloride	1.374	62	1028	0.420	ug/l	94
5) Bromomethane	1.599	94	576	0.903	ug/l	99
6) Chloroethane	1.666	64	413	0.638	ug/l #	42
7) Trichlorofluoromethane	1.874	101	1008	0.439	ug/l	92
8) Diethyl Ether	2.142	74	283	0.260	ug/l	42
9) 1,1,2-Trichlorotrifluo...	2.325	101	1031	0.508	ug/l	93
10) 1,1-Dichloroethene	2.313	96	1156	0.551	ug/l	86
11) Methyl Iodide	2.441	142	1118	0.481	ug/l	89
12) Methyl Acetate	2.721	43	1604	0.423	ug/l	96
13) Acrolein	2.233	56	1898	3.043	ug/l	91
14) Acrylonitrile	3.081	53	2616	1.811	ug/l	84
16) Carbon Disulfide	2.508	76	12255	1.976	ug/l	99
17) Allyl chloride	2.654	41	1209	0.293	ug/l	72
18) Methylene Chloride	2.788	84	2140	0.881	ug/l	95
19) trans-1,2-Dichloroethene	3.087	96	2451	1.112	ug/l	92
21) 1,1-Dichloroethane	3.617	63	890	0.206	ug/l #	84
22) cis-1,2-Dichloroethene	4.489	96	868	0.329	ug/l #	50
23) tert-Butyl Alcohol	2.995	59	1039	1.657	ug/l #	100
29) 1,1-Dichloropropene	5.702	75	1994	0.738	ug/l	76
33) Carbon Tetrachloride	5.672	117	765	0.287	ug/l #	81
34) Benzene	6.044	78	2233	0.250	ug/l #	80
37) Trichloroethene	7.129	130	752	0.374	ug/l	82
38) Methylcyclohexane	7.379	83	2161	0.584	ug/l	91
40) Dibromomethane	7.592	93	828	0.555	ug/l	79
41) Bromodichloromethane	7.830	83	794	0.267	ug/l #	82
42) Vinyl Acetate	3.739	43	6674	0.760	ug/l #	93
45) 1,4-Dioxane	7.684	88	410	7.053	ug/l #	86
48) t-1,3-Dichloropropene	8.994	75	1516	0.459	ug/l	96
49) cis-1,3-Dichloropropene	8.379	75	1390	0.386	ug/l #	74
52) 1,3-Dichloropropane	9.323	76	740	0.205	ug/l	98
53) Dibromochloromethane	9.525	129	555	0.249	ug/l	92
54) 1,2-Dibromoethane	9.622	107	814	0.382	ug/l	93
55) 2-Chloroethyl vinyl ether	8.257	63	3365	1.882	ug/l	98
56) Bromoform	10.811	173	346	0.222	ug/l #	86
58) 4-Methyl-2-Pentanone	8.580	43	3551	1.020	ug/l	98
59) 2-Hexanone	9.445	43	2640	0.971	ug/l #	83
61) Tetrachloroethene	9.275	164	1371	0.863	ug/l #	89
62) Toluene	8.720	91	4103	0.477	ug/l	100

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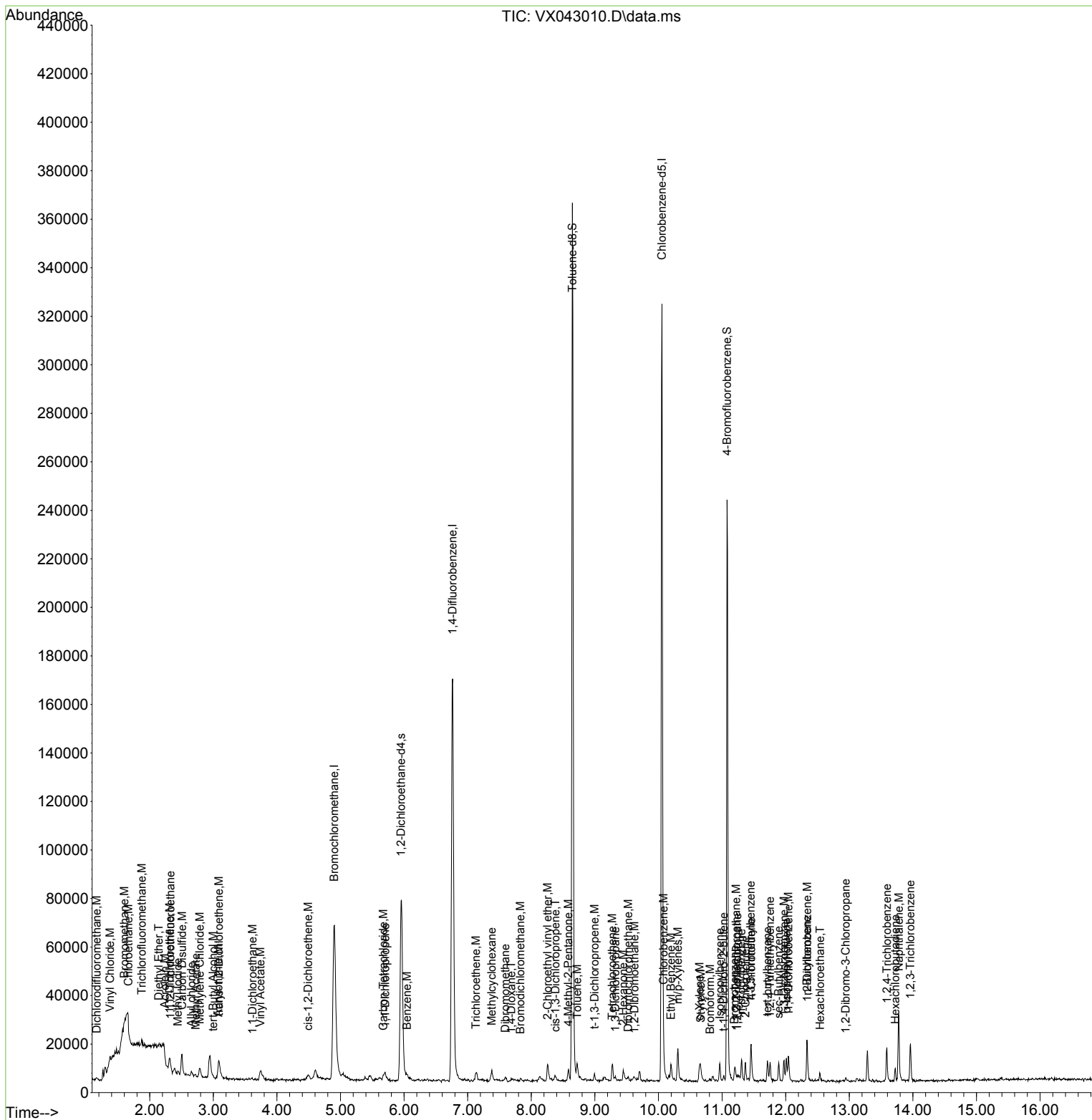
Instrument :
 MSVOA_X
 ClientSampleId :

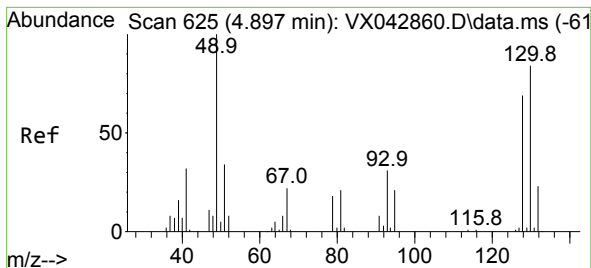
Quant Time: Aug 14 04:29:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X081324W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) Chlorobenzene	10.079	112	2981	0.565	ug/l #	82
66) Ethyl Benzene	10.195	91	4154	0.445	ug/l #	88
67) m/p-Xylenes	10.305	106	3534	1.011	ug/l	91
68) o-Xylene	10.646	106	1542	0.436	ug/l	92
69) Styrene	10.665	104	2773	0.471	ug/l	94
70) Isopropylbenzene	10.963	105	4012	0.458	ug/l	94
71) 1,1,2,2-Tetrachloroethane	11.219	83	1210	0.372	ug/l	96
72) 1,2,3-Trichloropropane	11.238	75	605	0.218	ug/l	91
73) Bromobenzene	11.195	156	1023	0.508	ug/l	66
74) n-propylbenzene	11.305	91	5925	0.573	ug/l	99
75) 2-Chlorotoluene	11.366	91	3430	0.536	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	3742	0.523	ug/l	98
77) t-1,4-Dichloro-2-butene	11.024	75	416	0.320	ug/l	71
78) 4-Chlorotoluene	11.457	91	4911	0.707	ug/l	99
79) tert-butylbenzene	11.713	119	2736	0.376	ug/l	96
80) 1,2,4-Trimethylbenzene	11.756	105	4072	0.558	ug/l	95
81) sec-Butylbenzene	11.890	105	4795	0.521	ug/l	99
82) p-Isopropyltoluene	12.012	119	4168	0.560	ug/l	97
83) 1,3-Dichlorobenzene	11.975	146	3093	0.833	ug/l	97
84) 1,4-Dichlorobenzene	12.042	146	3375	0.908	ug/l	90
85) n-Butylbenzene	12.335	91	4169	0.629	ug/l	85
86) Hexachloroethane	12.542	117	520	0.334	ug/l	72
87) 1,2-Dichlorobenzene	12.341	146	2605	0.706	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	321	0.425	ug/l	90
89) 1,2,4-Trichlorobenzene	13.591	180	3391	1.553	ug/l	98
90) Hexachlorobutadiene	13.725	225	726	0.892	ug/l	94
91) Naphthalene	13.780	128	19956	2.338	ug/l	98
92) 1,2,3-Trichlorobenzene	13.963	180	3824	1.717	ug/l	97

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

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.897 min Scan# 61

Delta R.T. -0.001 min

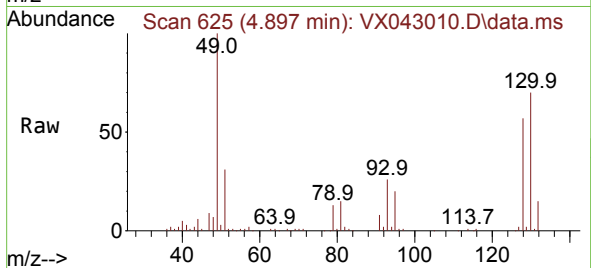
Lab File: VX043010.D

Acq: 13 Aug 2024 12:21

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MSVOA_X

ClientSampleId :



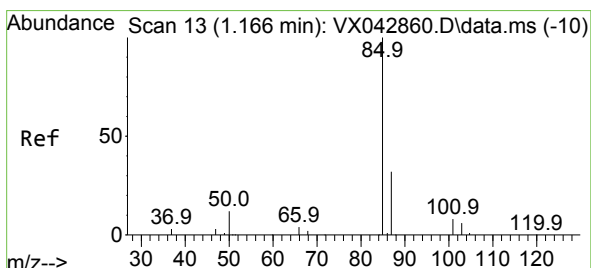
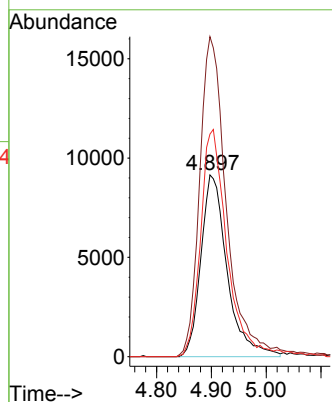
Tgt Ion:128 Resp: 30457

Ion	Ratio	Lower	Upper
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128	100		
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49	177.0	0.0	400.5
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130	122.0	0.0	333.0
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#2

Dichlorodifluoromethane

Concen: 0.616 ug/l

RT: 1.166 min Scan# 13

Delta R.T. -0.000 min

Lab File: VX043010.D

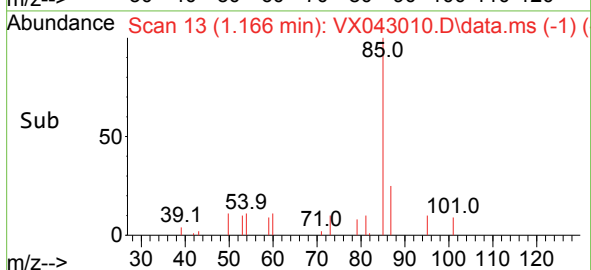
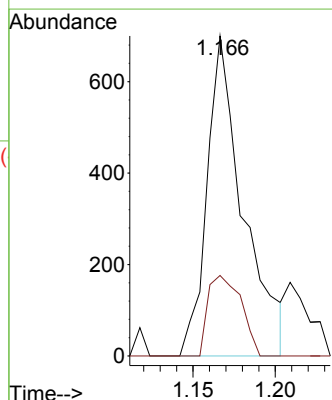
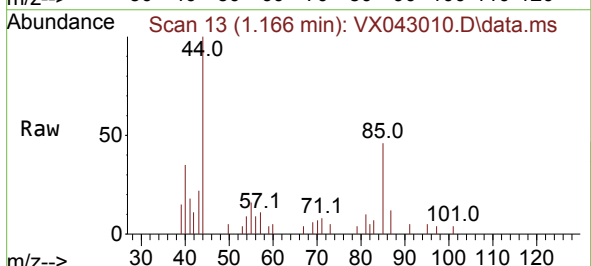
Acq: 13 Aug 2024 12:21

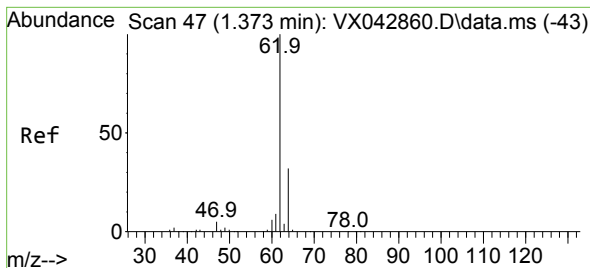
Tgt Ion: 85 Resp: 1069

Ion	Ratio	Lower	Upper
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85	100		
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87	25.1	16.0	48.0
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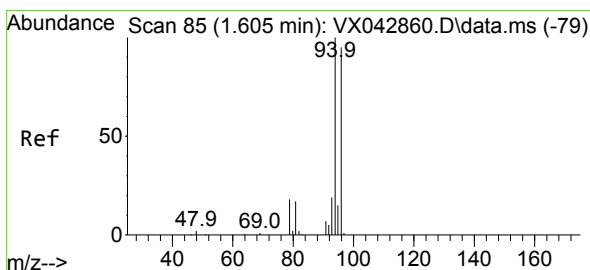
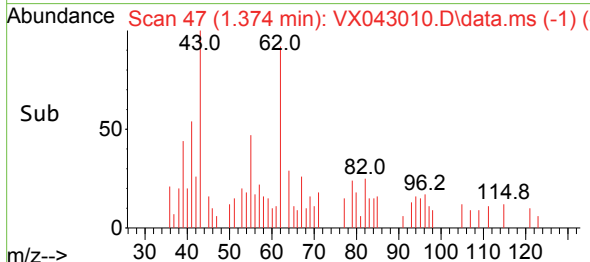
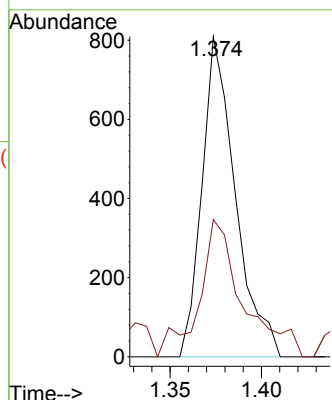
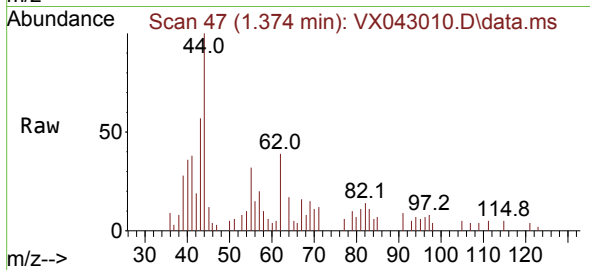




#4
 Vinyl Chloride
 Concen: 0.420 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX043010.D
 Acq: 13 Aug 2024 12:21

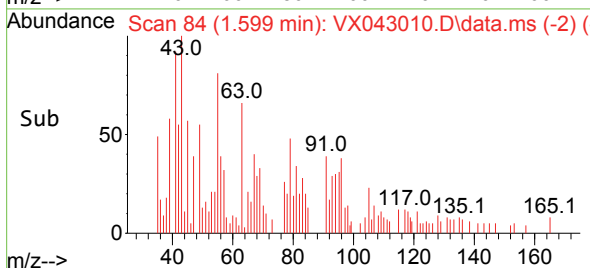
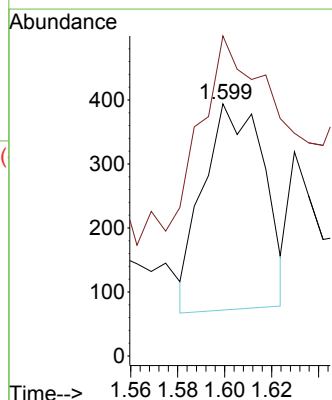
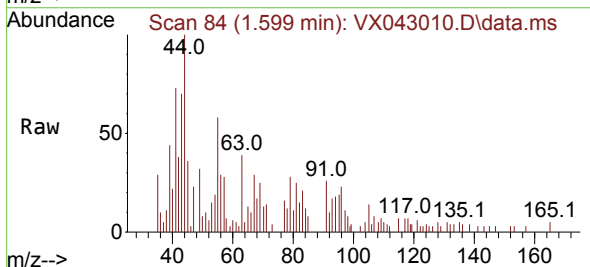
Instrument :
 MSVOA_X
 ClientSampleId :

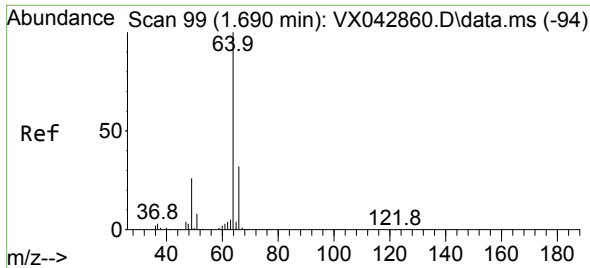
Tgt Ion: 62 Resp: 1028
 Ion Ratio Lower Upper
 62 100
 64 36.1 26.3 39.5



#5
 Bromomethane
 Concen: 0.903 ug/l
 RT: 1.599 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VX043010.D
 Acq: 13 Aug 2024 12:21

Tgt Ion: 94 Resp: 576
 Ion Ratio Lower Upper
 94 100
 96 96.4 76.2 114.4

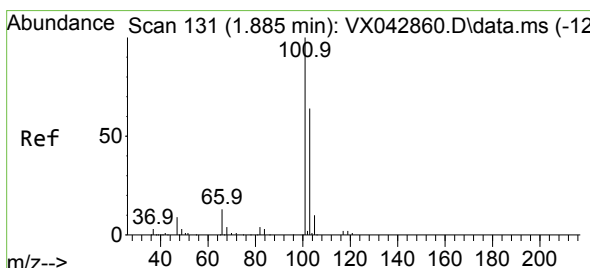
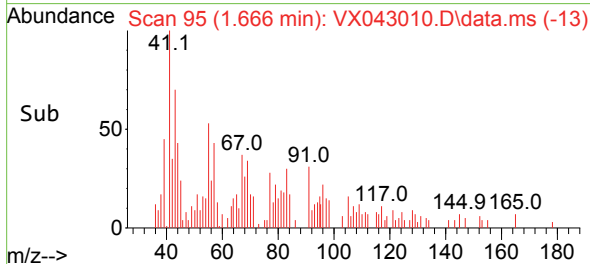
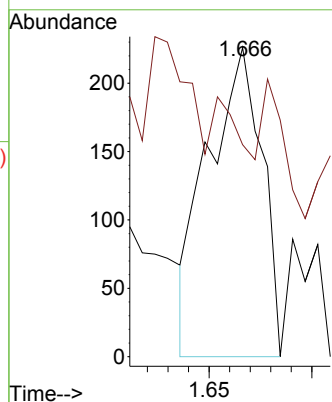
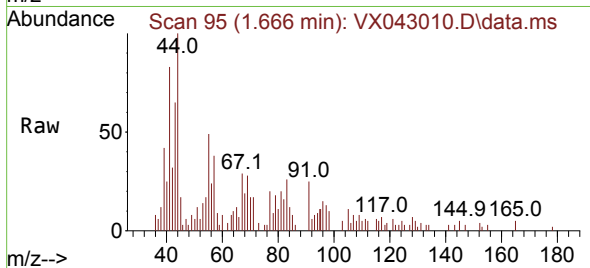




#6
Chloroethane
Concen: 0.638 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

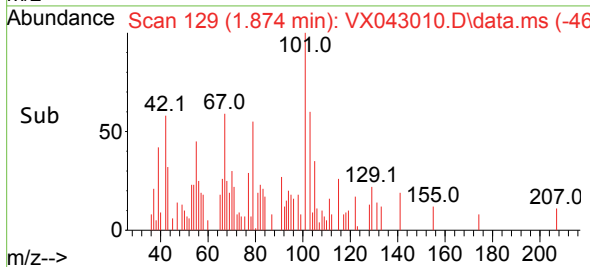
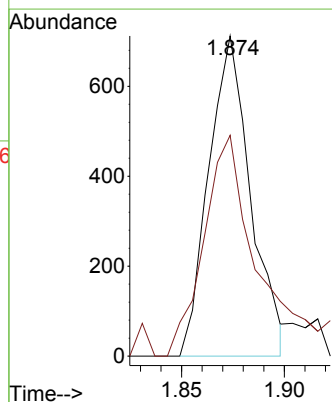
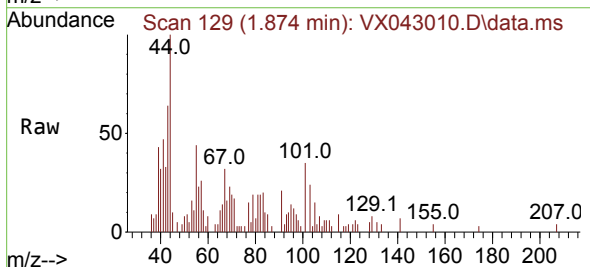
Instrument :
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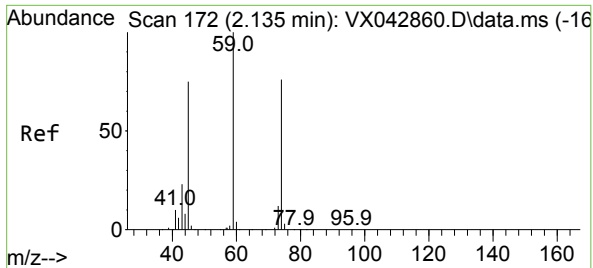
Tgt Ion: 64 Resp: 413
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#7
Trichlorofluoromethane
Concen: 0.439 ug/l
RT: 1.874 min Scan# 129
Delta R.T. 0.006 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

Tgt Ion:101 Resp: 1008
Ion Ratio Lower Upper
101 100
103 58.4 51.5 77.3

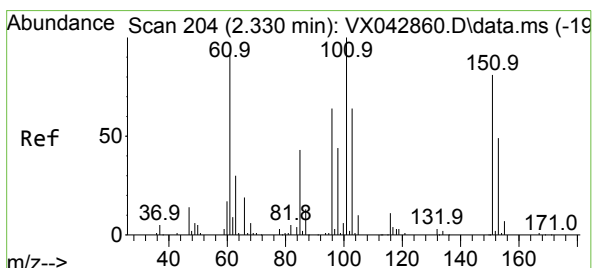
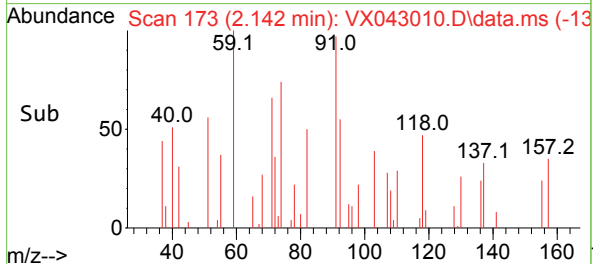
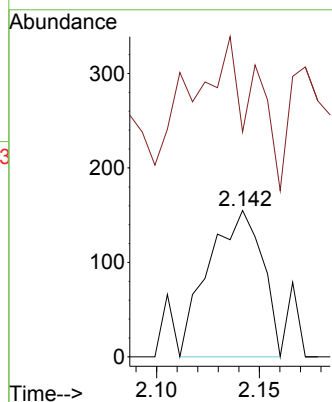
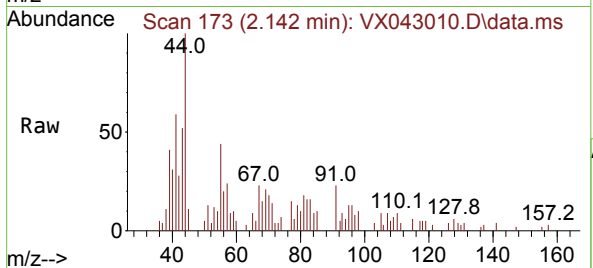




#8
Diethyl Ether
Concen: 0.260 ug/l
RT: 2.142 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

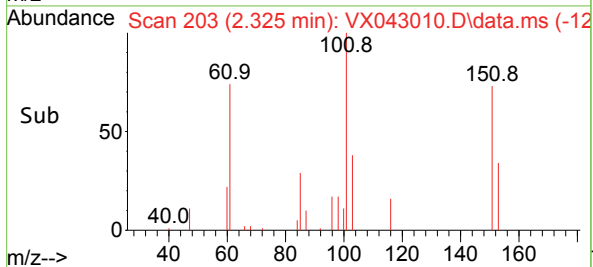
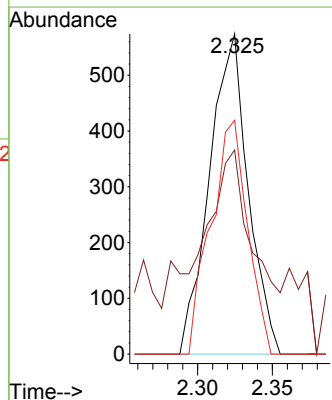
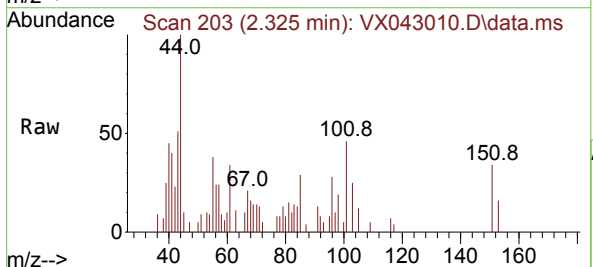
Instrument :
MSVOA_X
ClientSampleId :

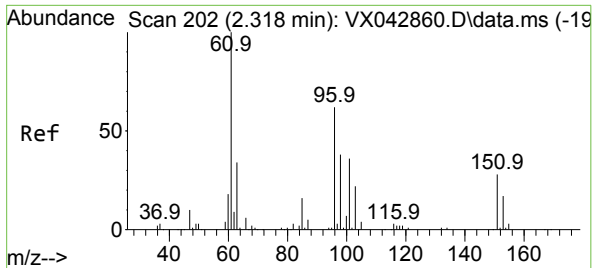
Tgt Ion: 74 Resp: 283
Ion Ratio Lower Upper
74 100
45 43.1 20.3 182.3



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.508 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

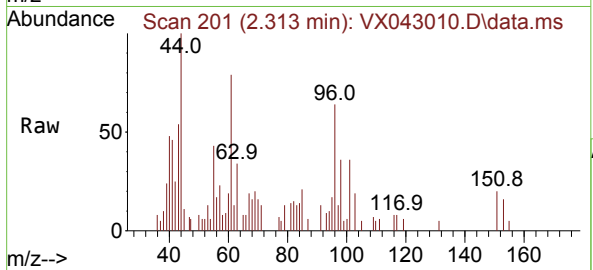
Tgt Ion:101 Resp: 1031
Ion Ratio Lower Upper
101 100
85 43.8 0.0 88.6
151 69.4 0.0 157.6



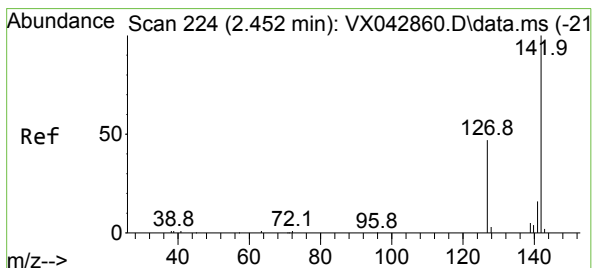
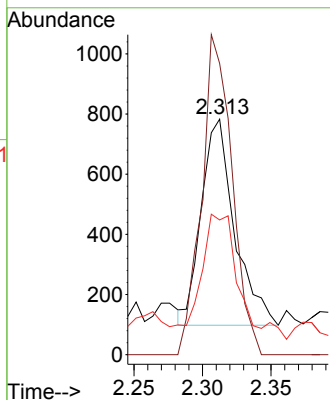
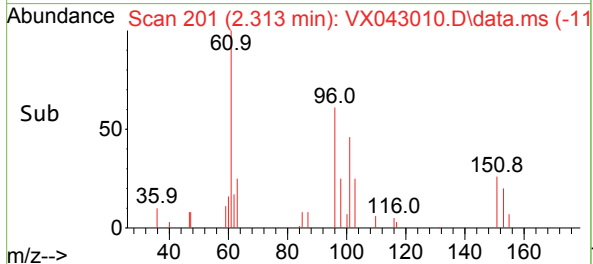


#10
1,1-Dichloroethene
Concen: 0.551 ug/l
RT: 2.313 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

Instrument :
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ClientSampleId :

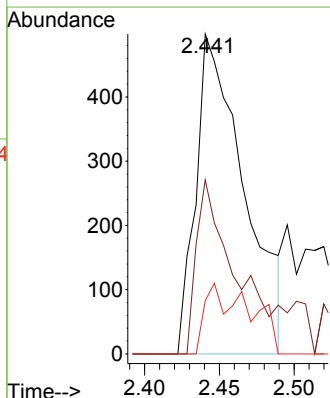
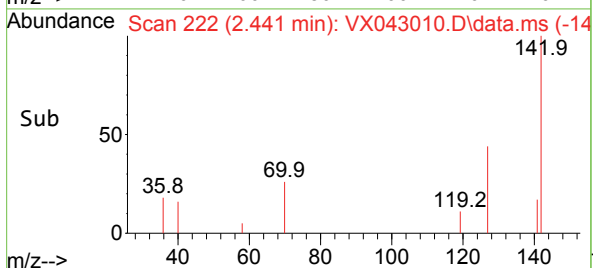
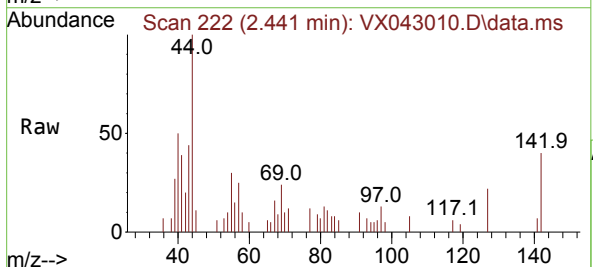


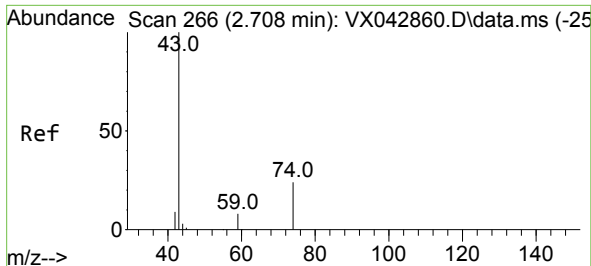
Tgt Ion:	96	Resp:	1156
Ion	Ratio	Lower	Upper
96	100		
61	141.3	129.2	193.8
98	52.3	48.6	72.8



#11
Methyl Iodide
Concen: 0.481 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

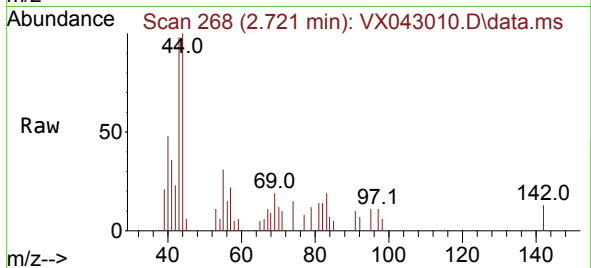
Tgt Ion:	142	Resp:	1118
Ion	Ratio	Lower	Upper
142	100		
127	55.3	23.6	71.0
141	19.7	8.0	23.8



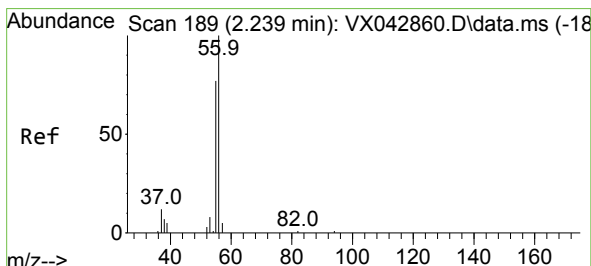
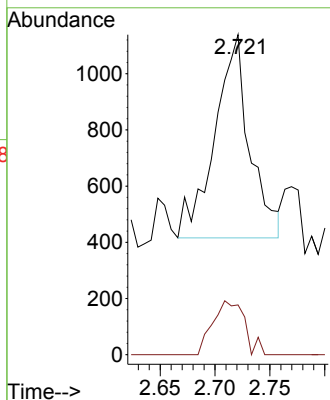
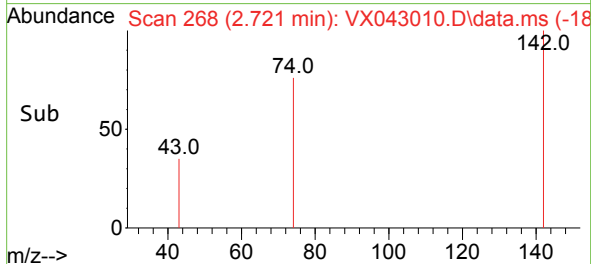


#12
Methyl Acetate
Concen: 0.423 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

Instrument :
MSVOA_X
ClientSampleId :

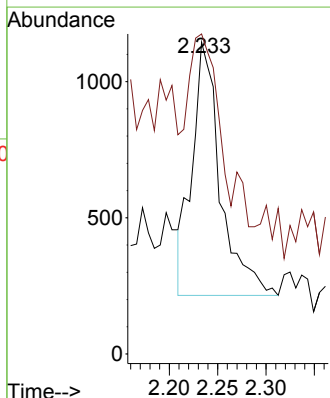
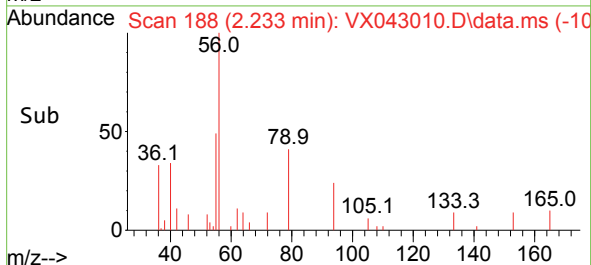
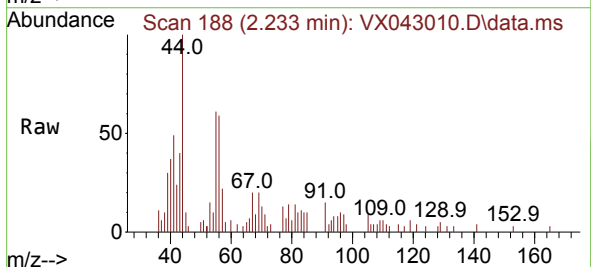


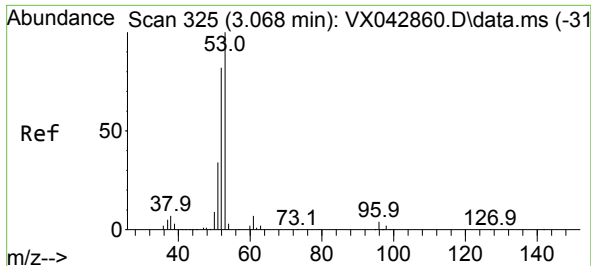
Tgt Ion: 43 Resp: 1604
Ion Ratio Lower Upper
43 100
74 26.2 19.4 29.2



#13
Acrolein
Concen: 3.043 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

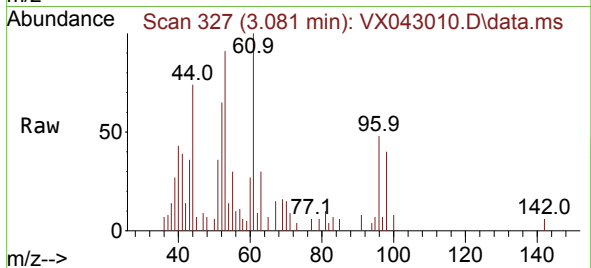
Tgt Ion: 56 Resp: 1898
Ion Ratio Lower Upper
56 100
55 67.9 60.6 90.8



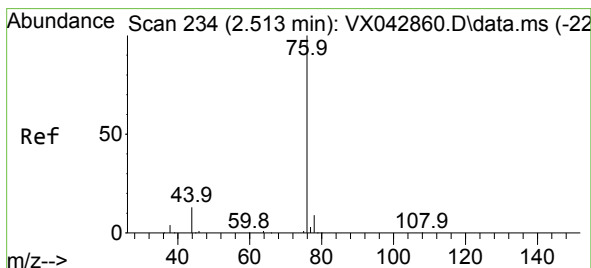
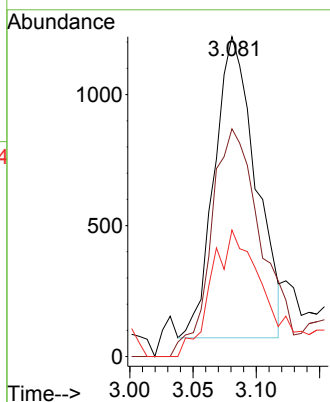
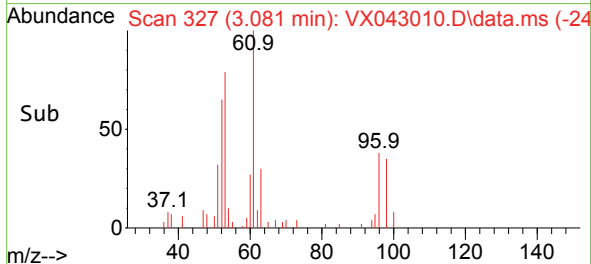


#14
Acrylonitrile
Concen: 1.811 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

Instrument :
MSVOA_X
ClientSampleId :

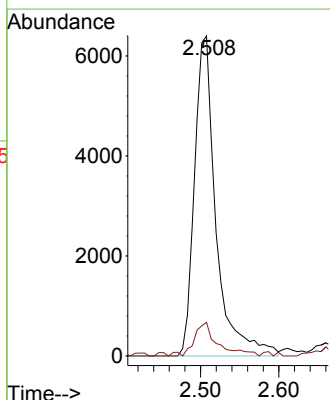
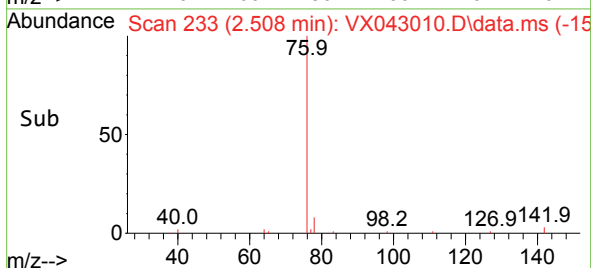
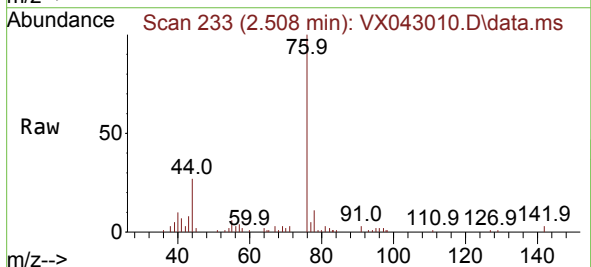


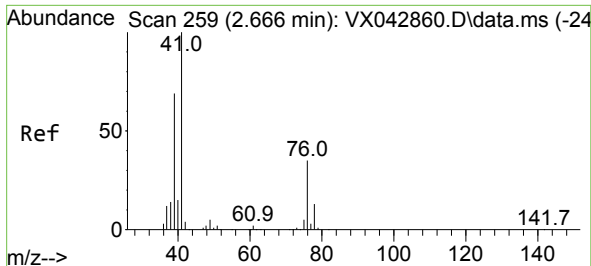
Tgt Ion: 53 Resp: 2616
Ion Ratio Lower Upper
53 100
52 91.7 41.2 123.6
51 52.5 17.9 53.8



#16
Carbon Disulfide
Concen: 1.976 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

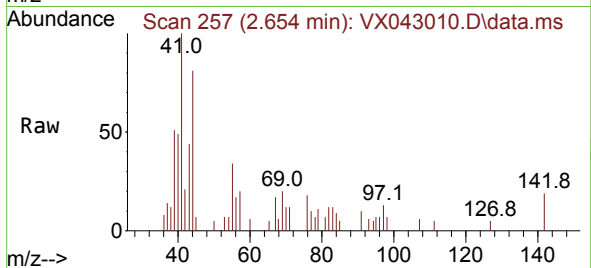
Tgt Ion: 76 Resp: 12255
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7



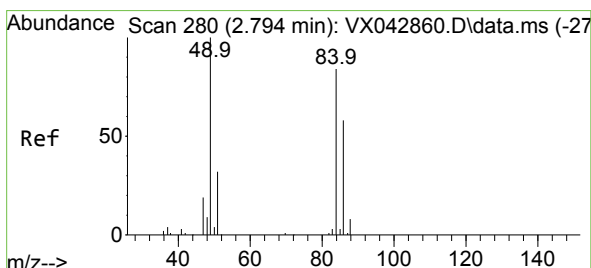
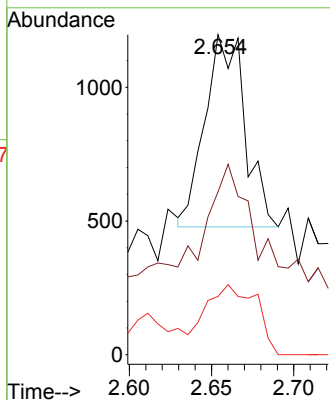
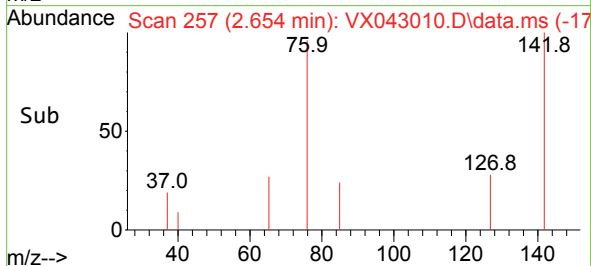


#17
 Allyl chloride
 Concen: 0.293 ug/l
 RT: 2.654 min Scan# 217
 Delta R.T. -0.006 min
 Lab File: VX043010.D
 Acq: 13 Aug 2024 12:21

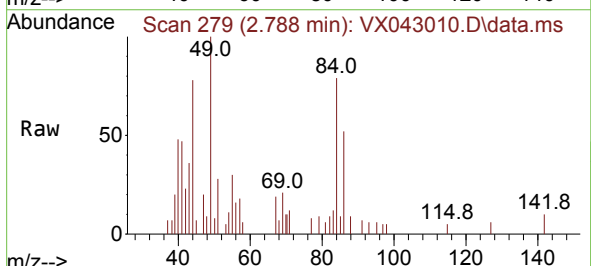
Instrument :
 MSVOA_X
 ClientSampleId :



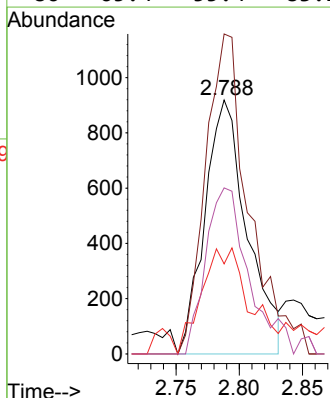
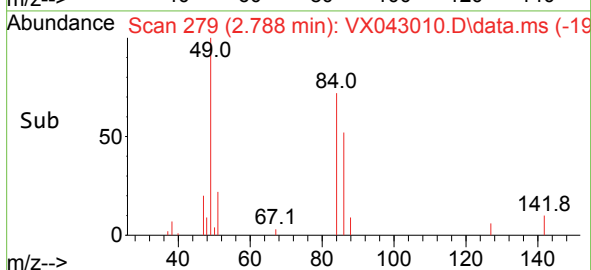
Tgt Ion: 41 Resp: 1209
 Ion Ratio Lower Upper
 41 100
 39 39.1 34.6 103.9
 76 30.3 18.4 55.4

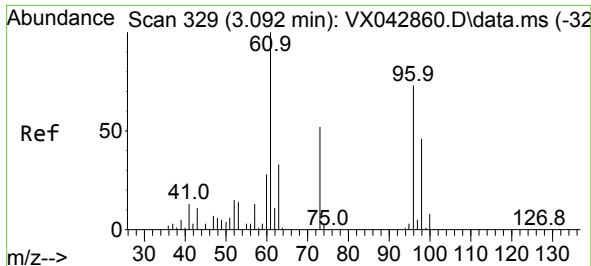


#18
 Methylene Chloride
 Concen: 0.881 ug/l
 RT: 2.788 min Scan# 279
 Delta R.T. -0.000 min
 Lab File: VX043010.D
 Acq: 13 Aug 2024 12:21



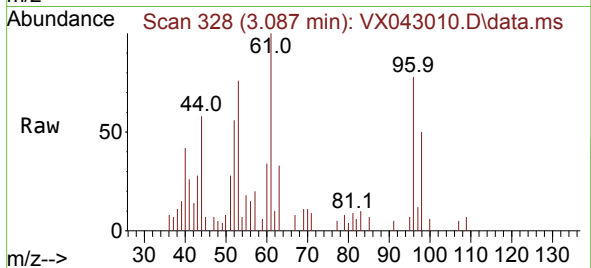
Tgt Ion: 84 Resp: 2140
 Ion Ratio Lower Upper
 84 100
 49 126.0 95.0 142.6
 51 35.5 30.1 45.1
 86 65.4 55.4 83.2



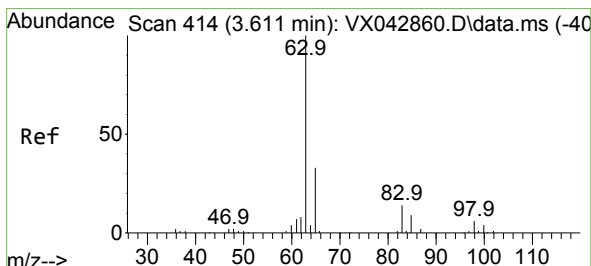
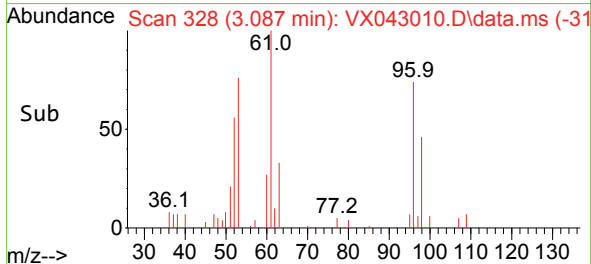
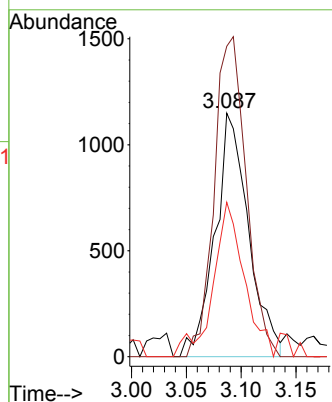


#19
trans-1,2-Dichloroethene
Concen: 1.112 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

Instrument :
MSVOA_X
ClientSampleId :

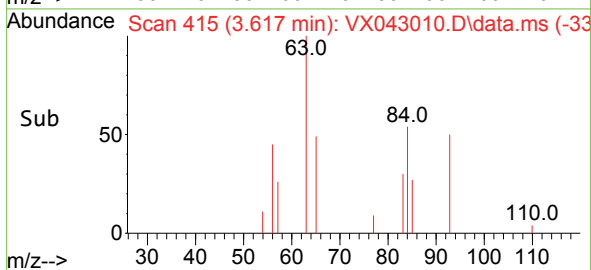
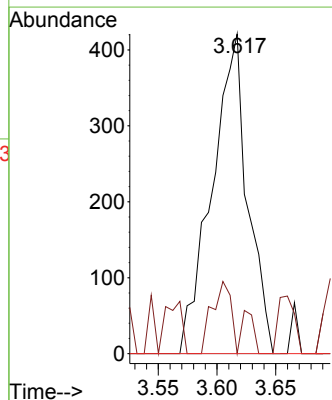
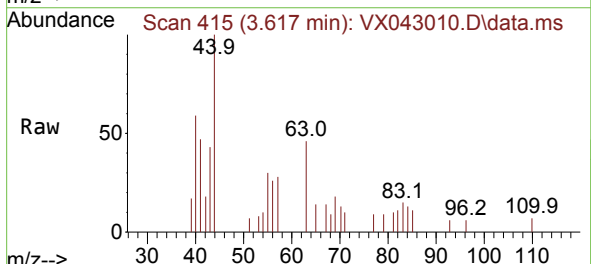


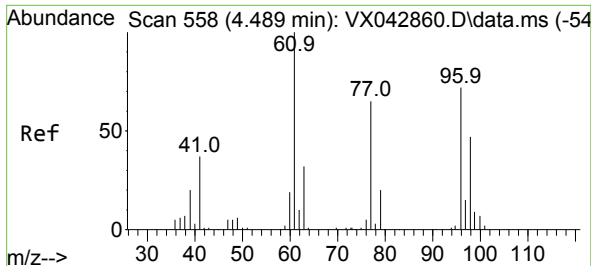
Tgt Ion: 96 Resp: 2451
Ion Ratio Lower Upper
96 100
61 127.5 109.6 164.4
98 57.7 50.4 75.6



#21
1,1-Dichloroethane
Concen: 0.206 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.012 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

Tgt Ion: 63 Resp: 890
Ion Ratio Lower Upper
63 100
98 0.0 2.9 8.8#
100 0.0 2.1 6.3#





#22

cis-1,2-Dichloroethene

Concen: 0.329 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

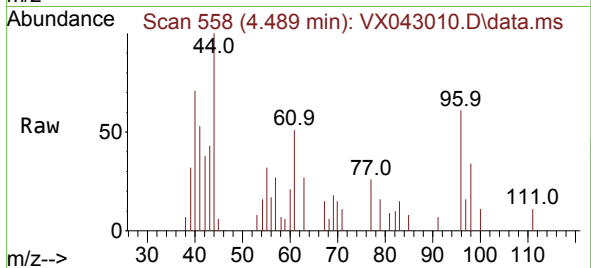
Lab File: VX043010.D

Acq: 13 Aug 2024 12:21

Instrument :

MSVOA_X

ClientSampleId :



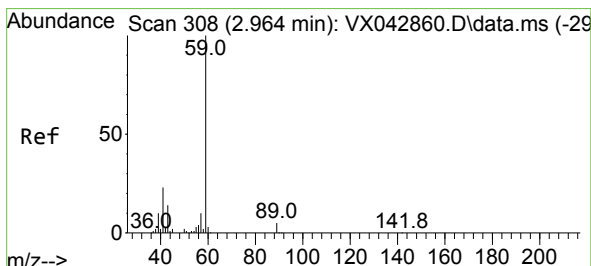
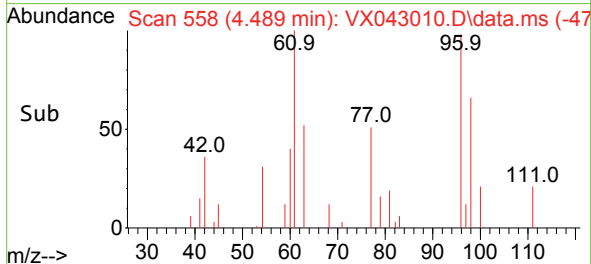
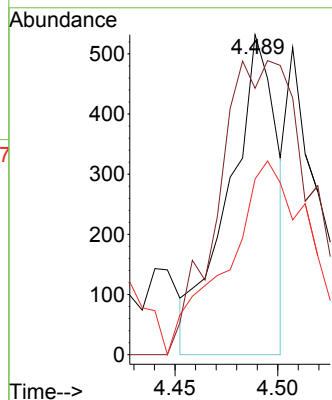
Tgt Ion: 96 Resp: 868

Ion Ratio Lower Upper

96 100

61 80.3 117.7 176.5#

98 100.0 53.4 80.0#



#23

tert-Butyl Alcohol

Concen: 1.657 ug/l

RT: 2.995 min Scan# 313

Delta R.T. -0.000 min

Lab File: VX043010.D

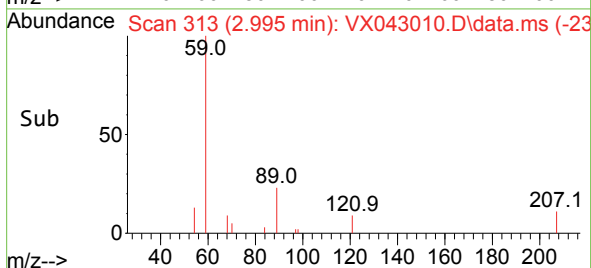
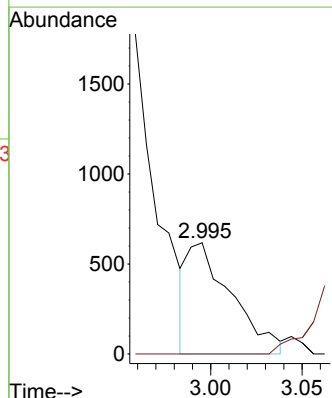
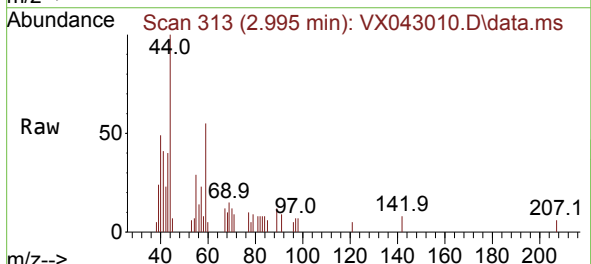
Acq: 13 Aug 2024 12:21

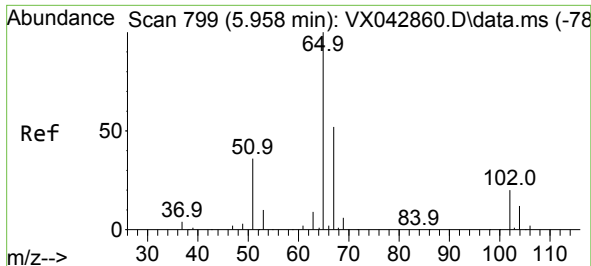
Tgt Ion: 59 Resp: 1039

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#





#27

1,2-Dichloroethane-d4

Concen: 27.985 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX043010.D

Acq: 13 Aug 2024 12:21

Instrument :

MSVOA_X

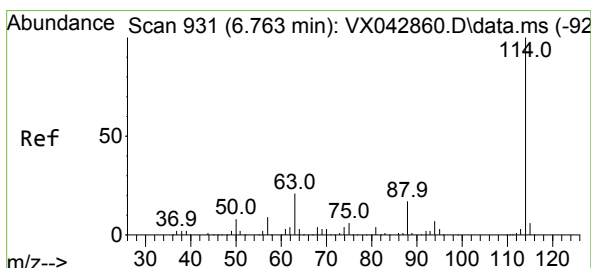
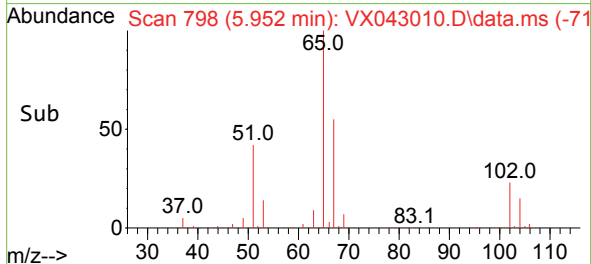
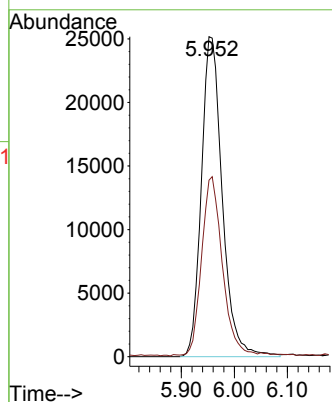
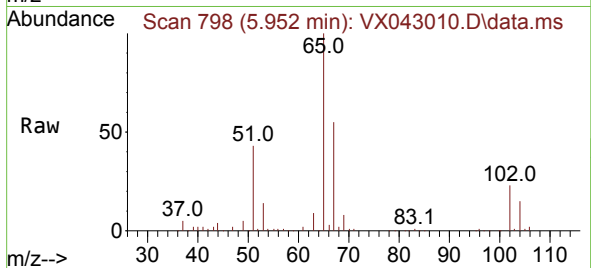
ClientSampleId :

Tgt Ion: 65 Resp: 68996

Ion Ratio Lower Upper

65 100

67 54.7 40.6 60.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX043010.D

Acq: 13 Aug 2024 12:21

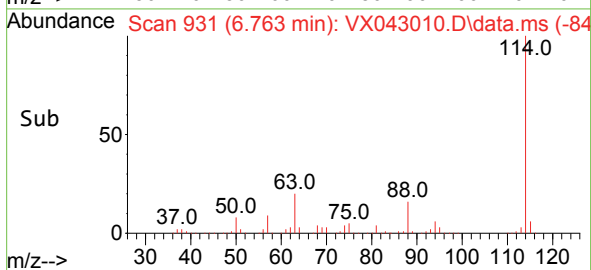
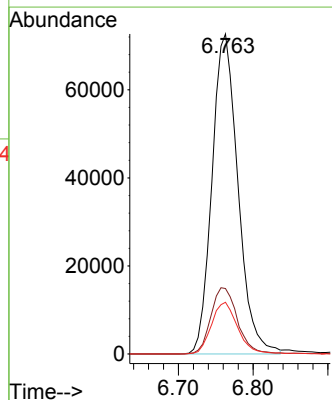
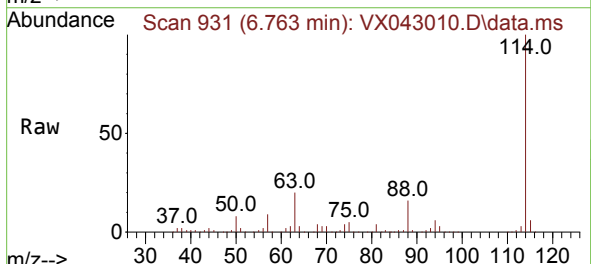
Tgt Ion: 114 Resp: 175718

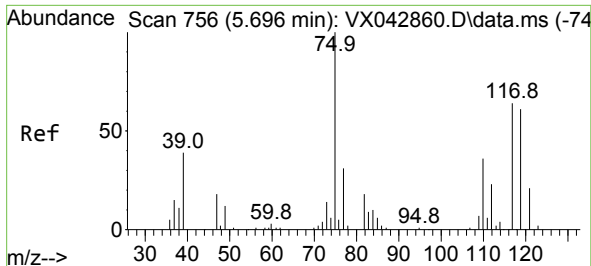
Ion Ratio Lower Upper

114 100

63 21.2 16.0 24.0

88 16.2 12.5 18.7





#29

1,1-Dichloropropene

Concen: 0.738 ug/l

RT: 5.702 min Scan# 75

Delta R.T. 0.012 min

Lab File: VX043010.D

Acq: 13 Aug 2024 12:21

Instrument :

MSVOA_X

ClientSampleId :

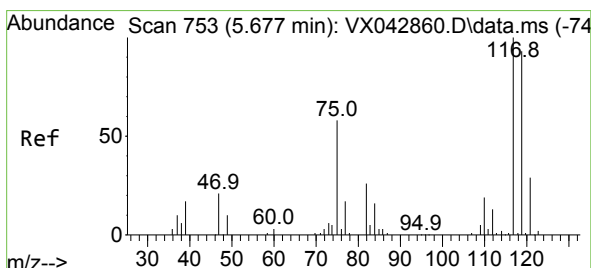
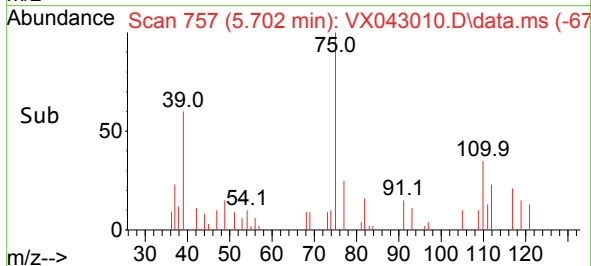
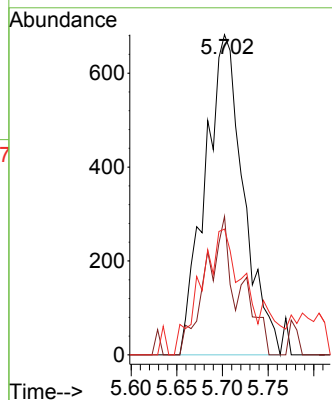
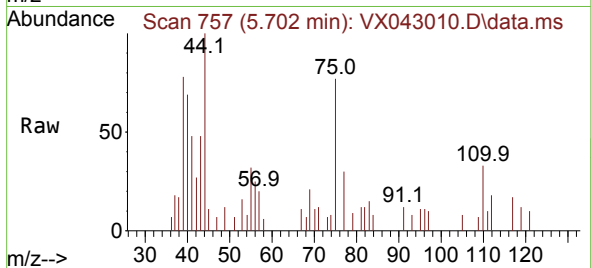
Tgt Ion: 75 Resp: 1994

Ion Ratio Lower Upper

75 100

110 10.9 0.0 72.4

77 30.7 0.0 63.4



#33

Carbon Tetrachloride

Concen: 0.287 ug/l

RT: 5.672 min Scan# 752

Delta R.T. -0.000 min

Lab File: VX043010.D

Acq: 13 Aug 2024 12:21

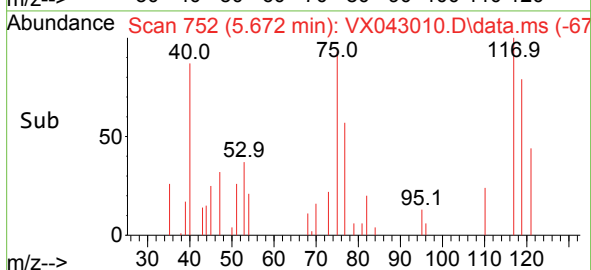
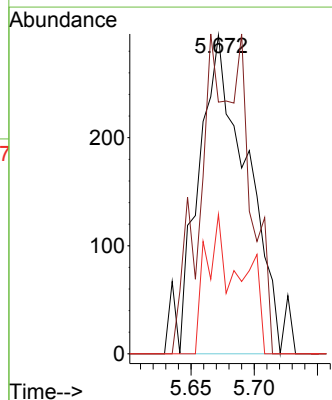
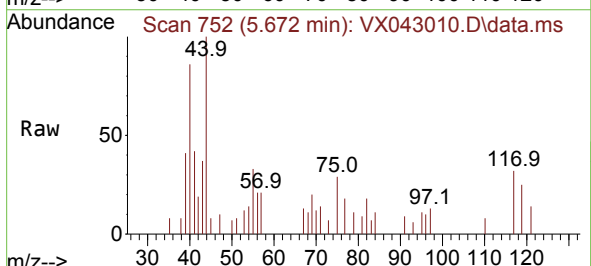
Tgt Ion: 117 Resp: 765

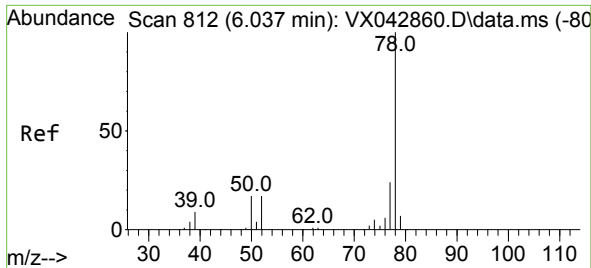
Ion Ratio Lower Upper

117 100

119 79.0 75.7 113.5

121 43.7 23.3 34.9#

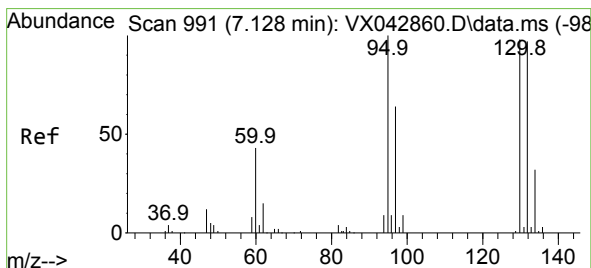
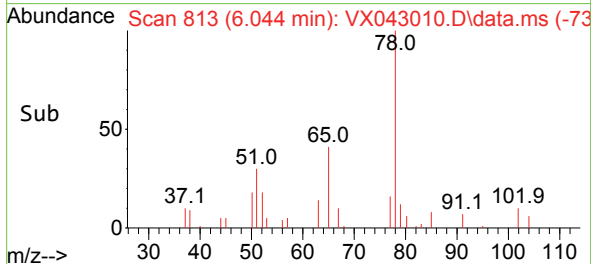
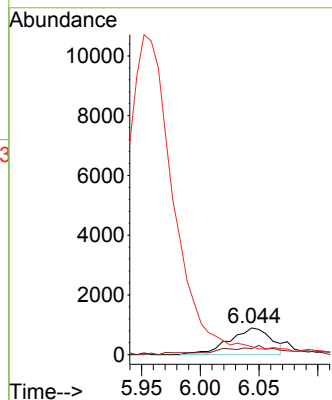
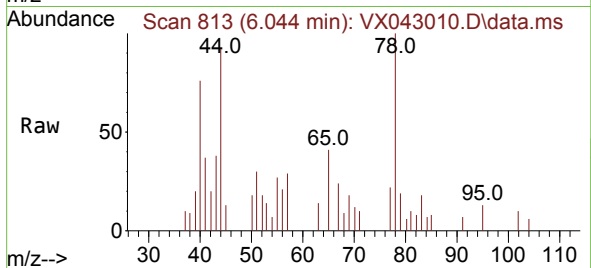




#34
Benzene
Concen: 0.250 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

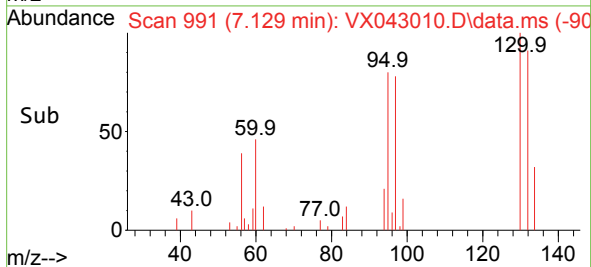
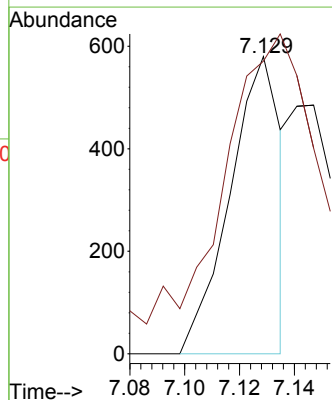
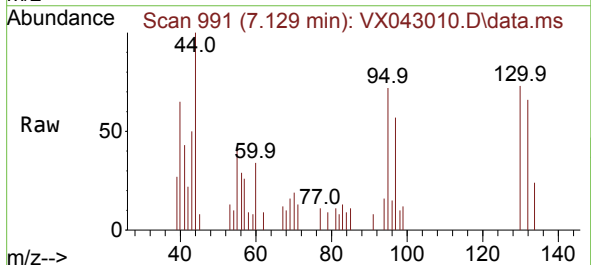
Instrument :
MSVOA_X
ClientSampleId :

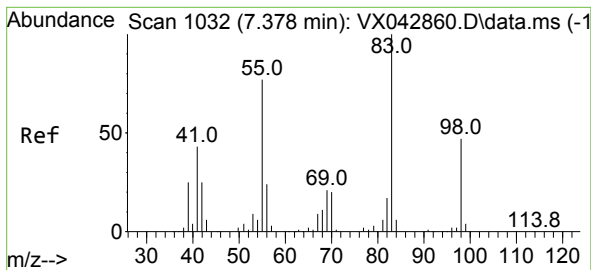
Tgt Ion: 78 Resp: 2233
Ion Ratio Lower Upper
78 100
77 15.3 19.4 29.2#
51 7.4 13.5 20.3#



#37
Trichloroethene
Concen: 0.374 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

Tgt Ion:130 Resp: 752
Ion Ratio Lower Upper
130 100
95 83.3 81.4 122.2





#38

Methylcyclohexane

Concen: 0.584 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX043010.D

Acq: 13 Aug 2024 12:21

Instrument :

MSVOA_X

ClientSampleId :

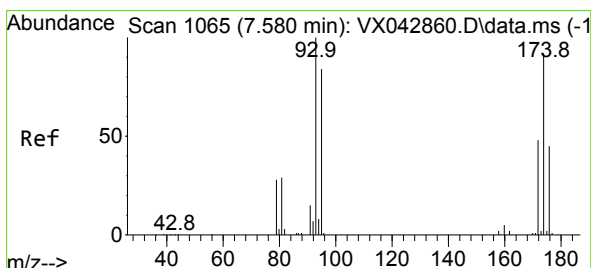
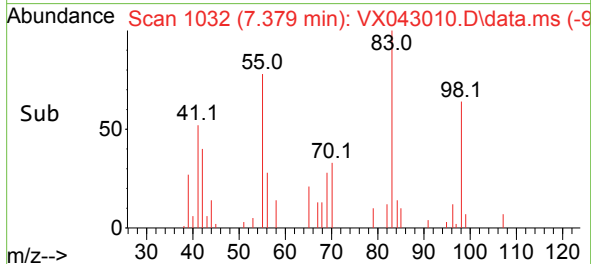
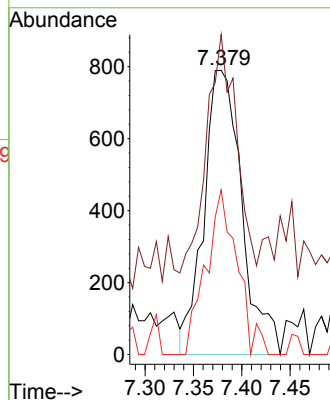
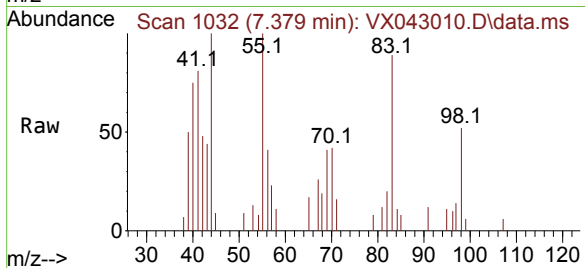
Tgt Ion: 83 Resp: 2161

Ion Ratio Lower Upper

83 100

55 65.1 38.0 113.9

98 45.4 23.4 70.2



#40

Dibromomethane

Concen: 0.555 ug/l

RT: 7.592 min Scan# 1067

Delta R.T. 0.012 min

Lab File: VX043010.D

Acq: 13 Aug 2024 12:21

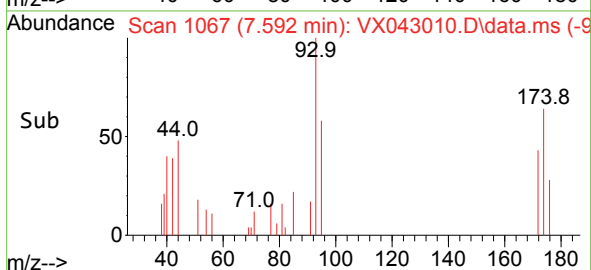
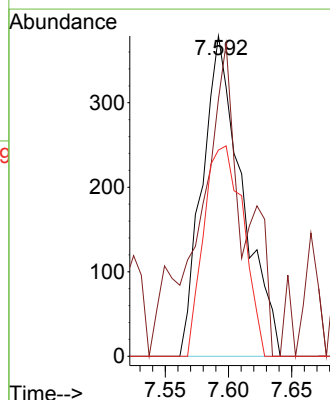
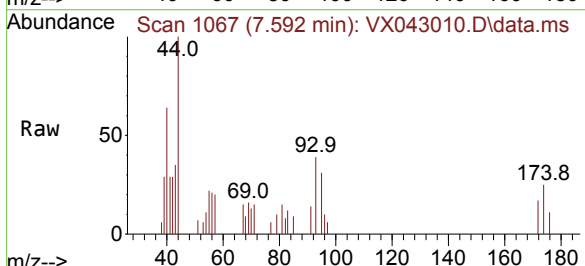
Tgt Ion: 93 Resp: 828

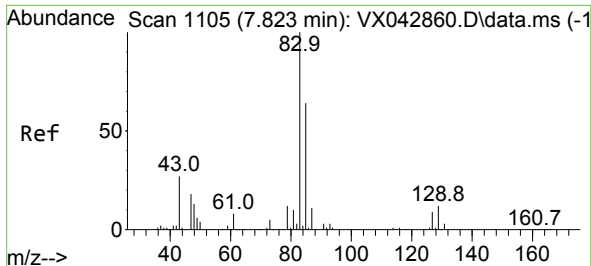
Ion Ratio Lower Upper

93 100

95 73.8 0.0 161.8

174 65.3 0.0 194.0

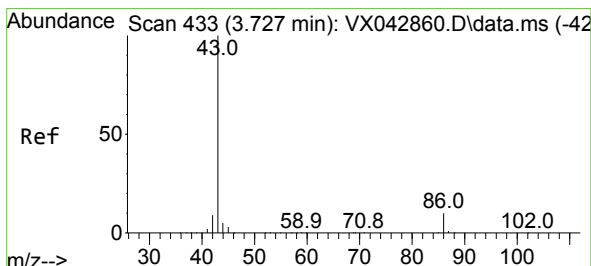
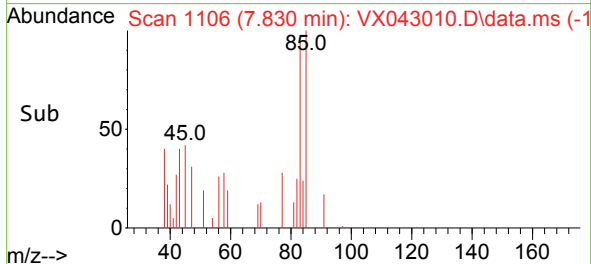
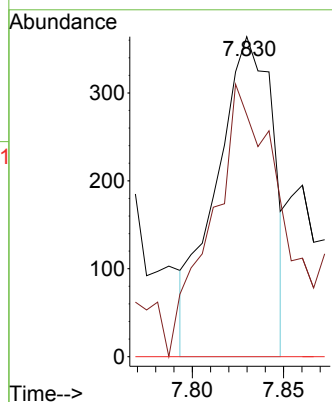
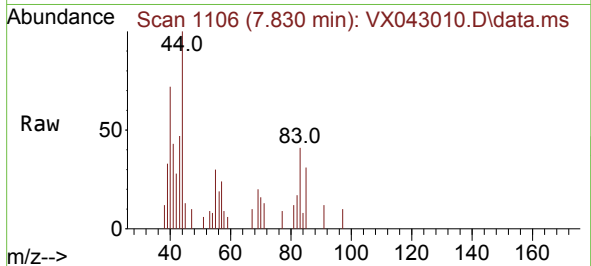




#41
Bromodichloromethane
Concen: 0.267 ug/l
RT: 7.830 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

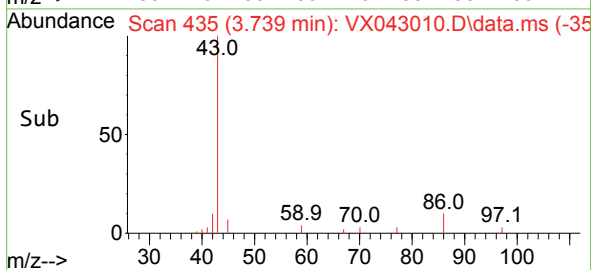
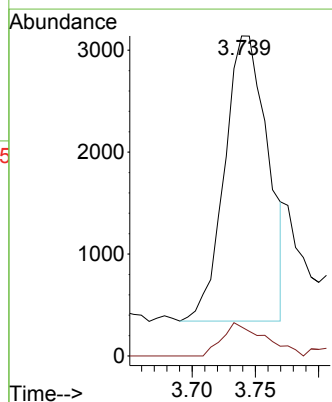
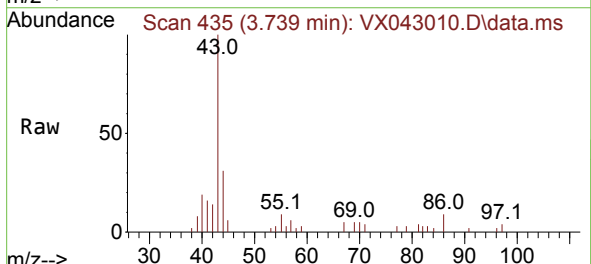
Instrument :
MSVOA_X
ClientSampleId :

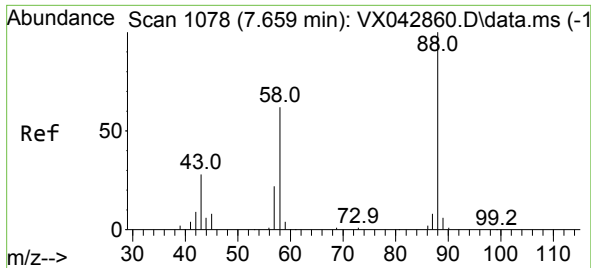
Tgt Ion: 83 Resp: 794
Ion Ratio Lower Upper
83 100
85 76.7 50.8 76.2#
127 0.0 6.9 10.3#



#42
Vinyl Acetate
Concen: 0.760 ug/l
RT: 3.739 min Scan# 435
Delta R.T. 0.018 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

Tgt Ion: 43 Resp: 6674
Ion Ratio Lower Upper
43 100
86 11.4 7.2 10.8#

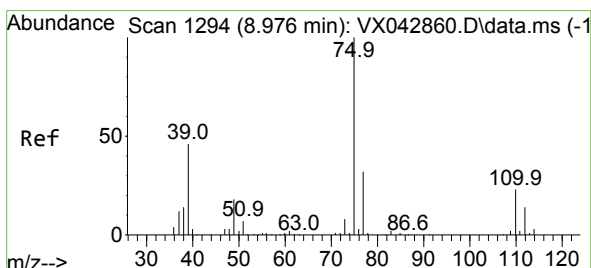
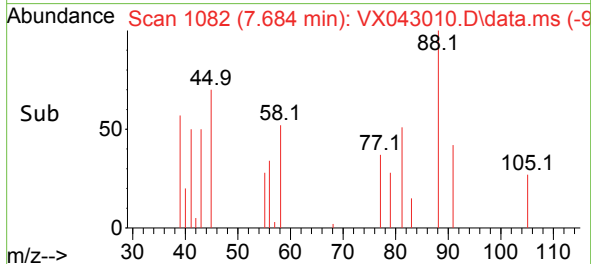
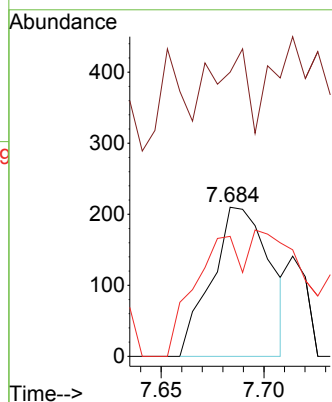
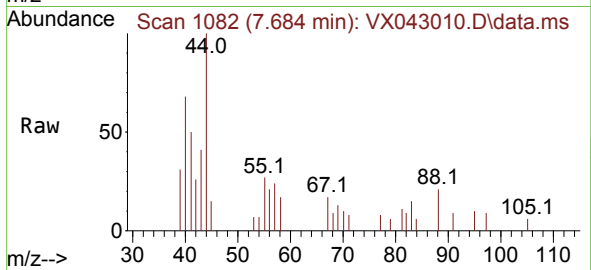




#45
1,4-Dioxane
Concen: 7.053 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.012 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

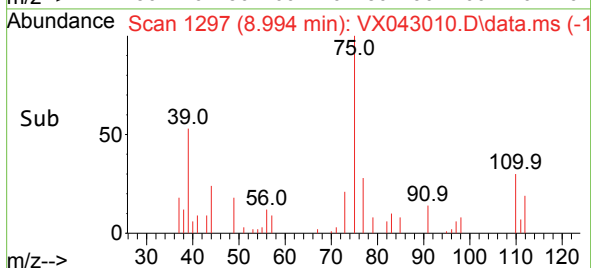
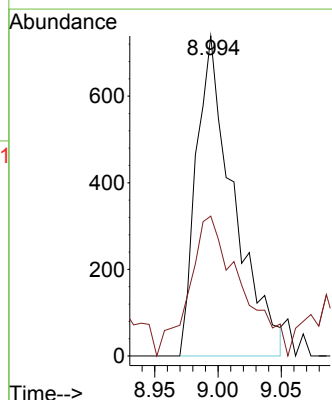
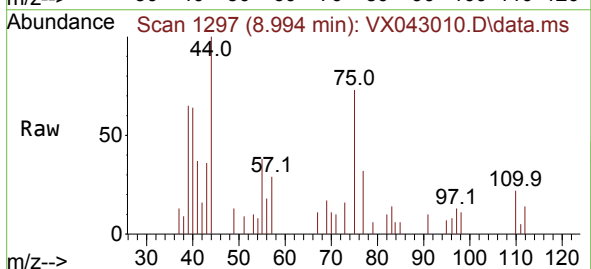
Instrument :
MSVOA_X
ClientSampleId :

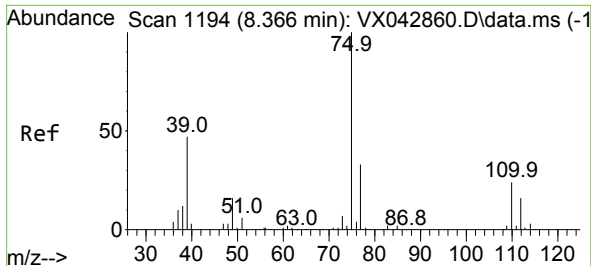
Tgt Ion: 88 Resp: 410
Ion Ratio Lower Upper
88 100
43 12.0 25.8 38.6#
58 66.8 55.5 83.3



#48
t-1,3-Dichloropropene
Concen: 0.459 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.012 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

Tgt Ion: 75 Resp: 1516
Ion Ratio Lower Upper
75 100
77 34.1 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 0.386 ug/l

RT: 8.379 min Scan# 1196

Delta R.T. 0.012 min

Lab File: VX043010.D

Acq: 13 Aug 2024 12:21

Instrument :

MSVOA_X

ClientSampleId :

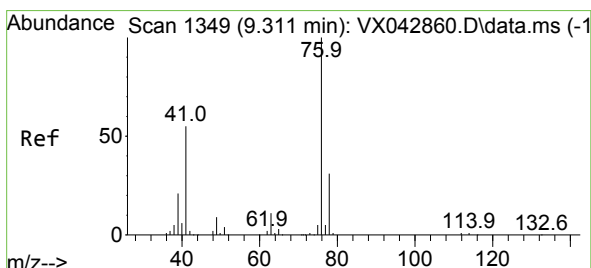
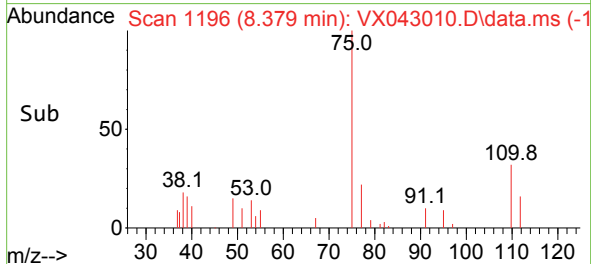
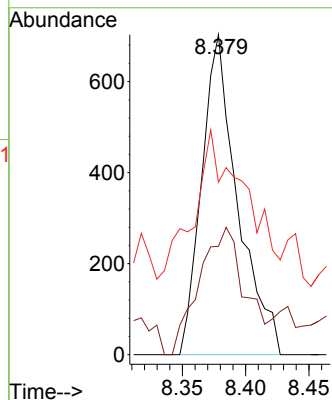
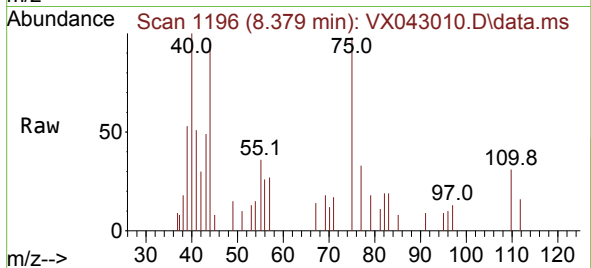
Tgt Ion: 75 Resp: 1390

Ion Ratio Lower Upper

75 100

77 24.6 26.8 40.2#

39 24.3 37.5 56.3#



#52

1,3-Dichloropropane

Concen: 0.205 ug/l

RT: 9.323 min Scan# 1351

Delta R.T. 0.018 min

Lab File: VX043010.D

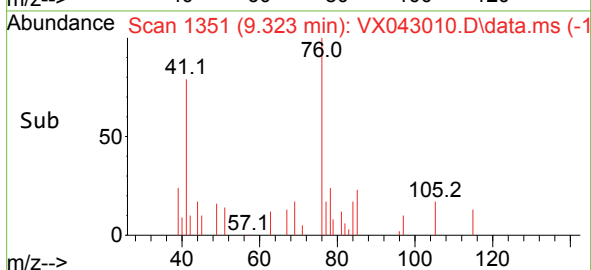
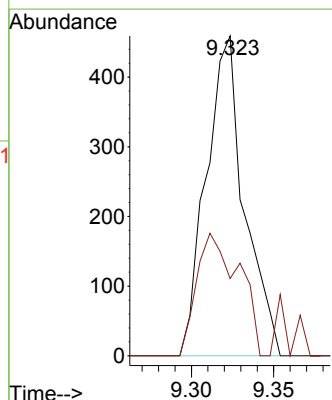
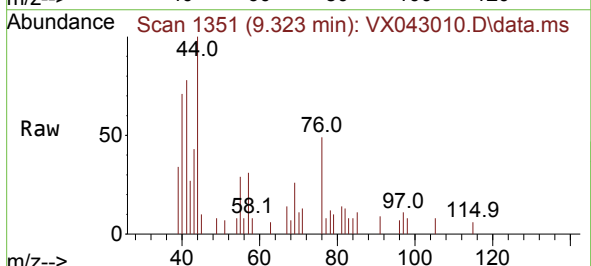
Acq: 13 Aug 2024 12:21

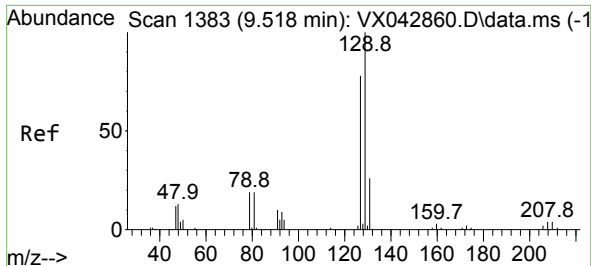
Tgt Ion: 76 Resp: 740

Ion Ratio Lower Upper

76 100

78 31.1 0.0 64.8

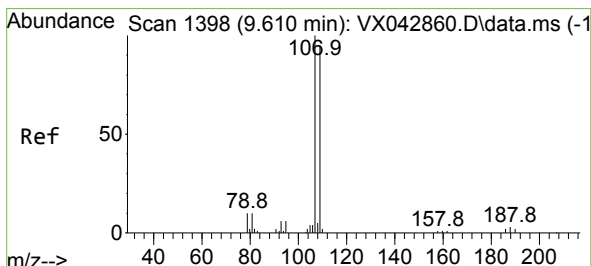
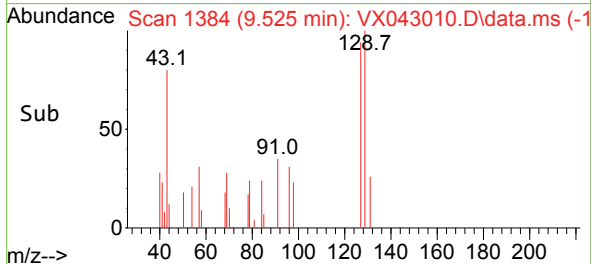
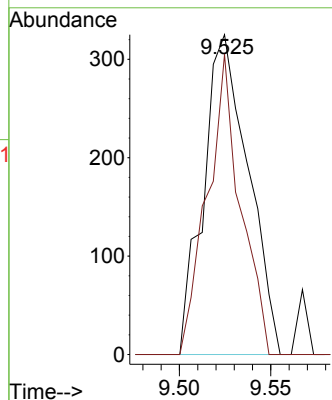
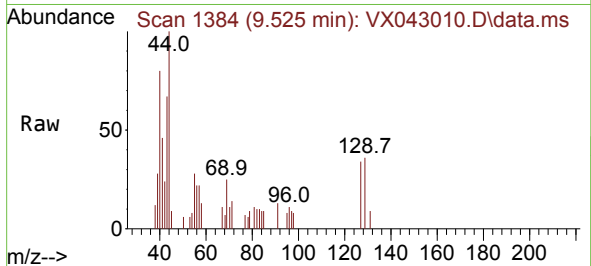




#53
Dibromochloromethane
Concen: 0.249 ug/l
RT: 9.525 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

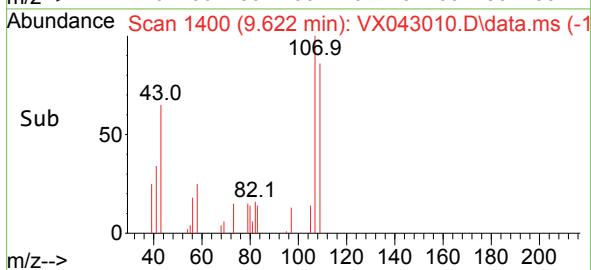
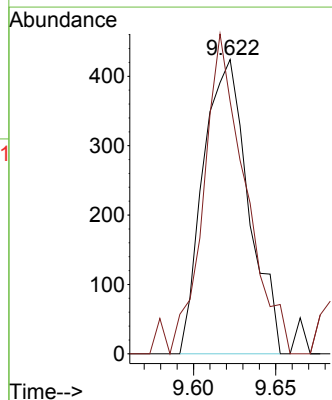
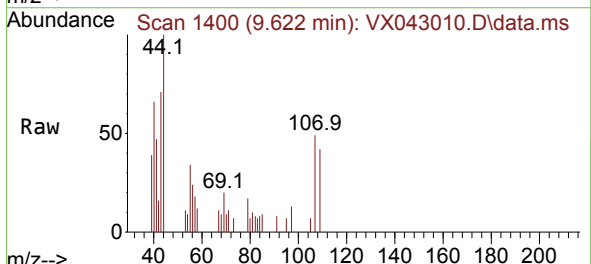
Instrument :
MSVOA_X
ClientSampleId :

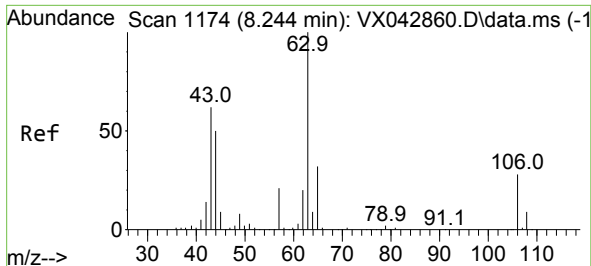
Tgt Ion:129 Resp: 555
Ion Ratio Lower Upper
129 100
127 69.7 38.5 115.3



#54
1,2-Dibromoethane
Concen: 0.382 ug/l
RT: 9.622 min Scan# 1400
Delta R.T. 0.012 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

Tgt Ion:107 Resp: 814
Ion Ratio Lower Upper
107 100
109 99.8 74.2 111.4

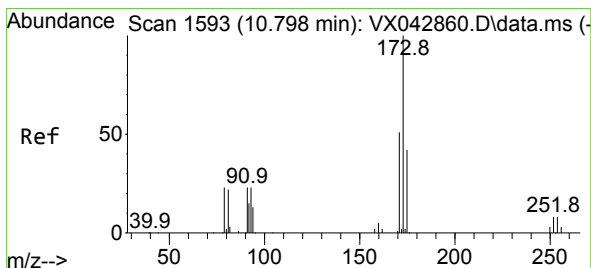
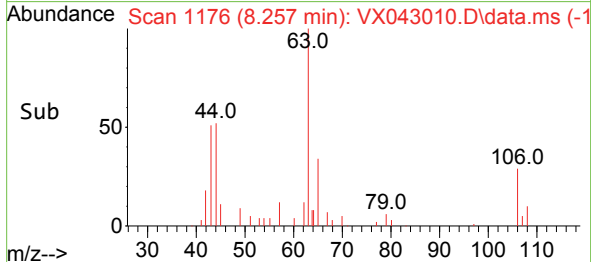
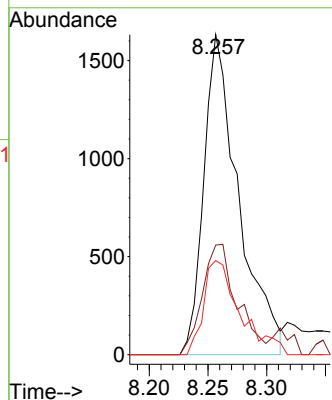
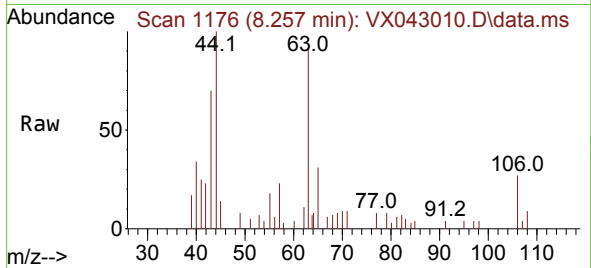




#55
2-Chloroethyl vinyl ether
Concen: 1.882 ug/l
RT: 8.257 min Scan# 1176
Delta R.T. 0.018 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

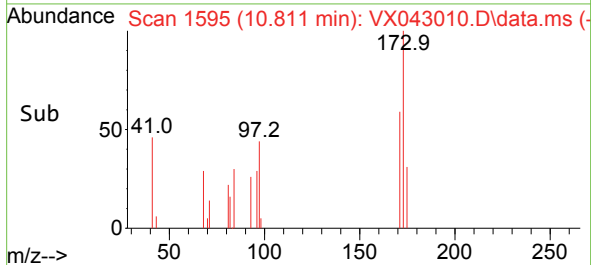
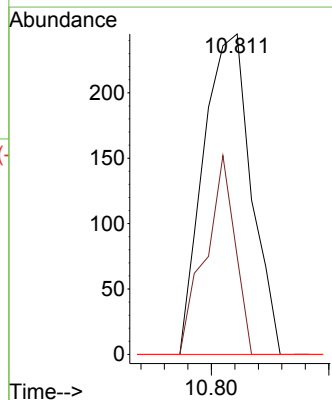
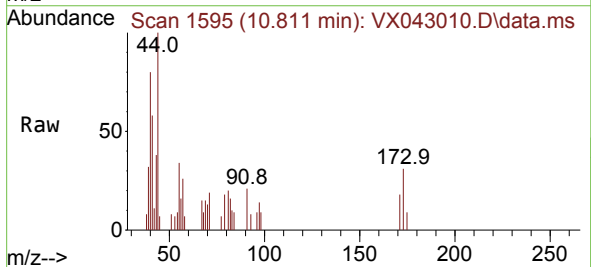
Instrument :
MSVOA_X
ClientSampleId :

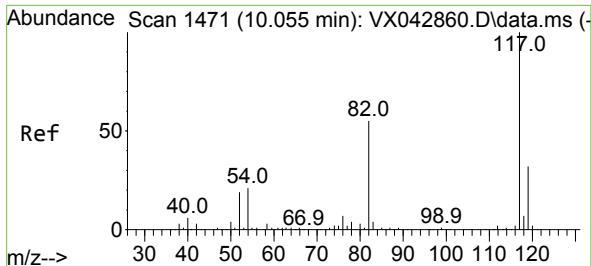
Tgt Ion:	63	Resp:	3365
Ion	Ratio	Lower	Upper
63	100		
65	34.4	26.3	39.5
106	27.9	21.8	32.6



#56
Bromoform
Concen: 0.222 ug/l
RT: 10.811 min Scan# 1595
Delta R.T. 0.012 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

Tgt Ion:	173	Resp:	346
Ion	Ratio	Lower	Upper
173	100		
175	38.4	37.1	55.7
254	0.0	6.6	10.0





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

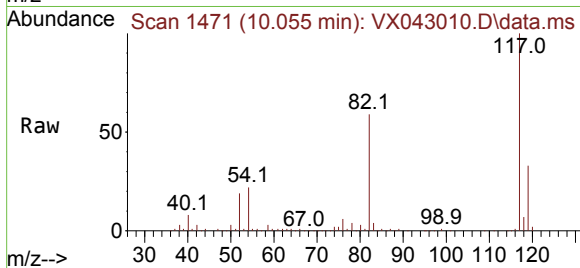
Lab File: VX043010.D

Acq: 13 Aug 2024 12:21

Instrument :

MSVOA_X

ClientSampleId :



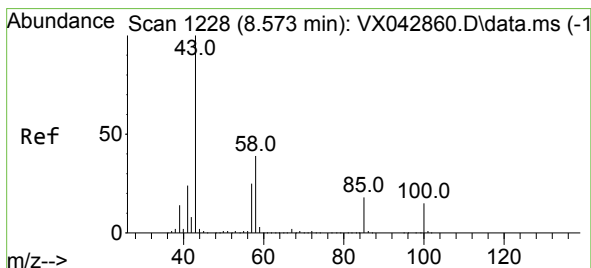
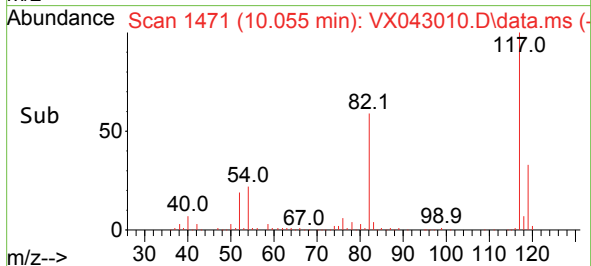
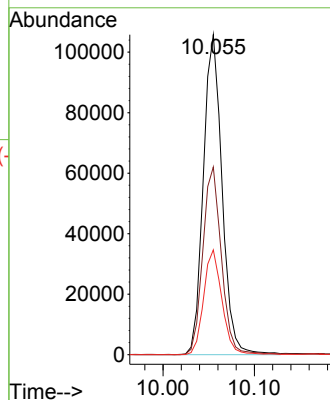
Tgt Ion:117 Resp: 150534

Ion Ratio Lower Upper

117 100

82 58.5 44.9 67.3

119 31.9 25.4 38.2



#58

4-Methyl-2-Pentanone

Concen: 1.020 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX043010.D

Acq: 13 Aug 2024 12:21

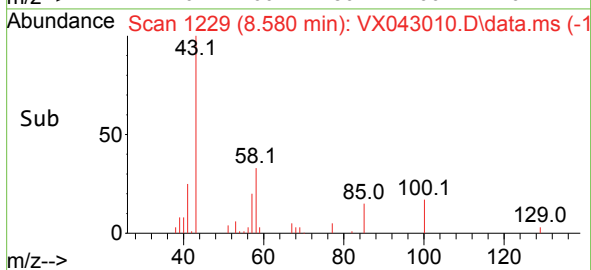
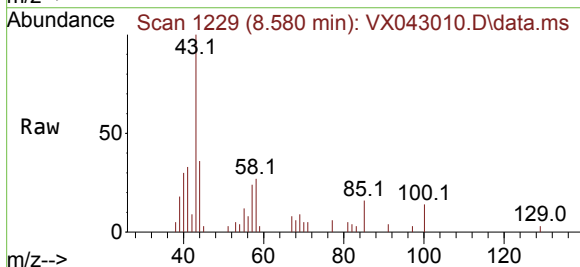
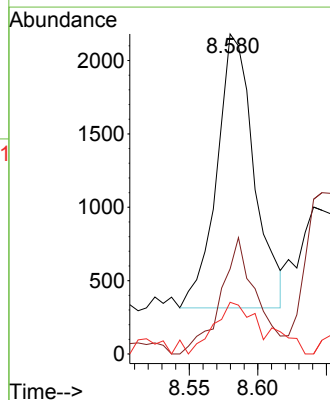
Tgt Ion: 43 Resp: 3551

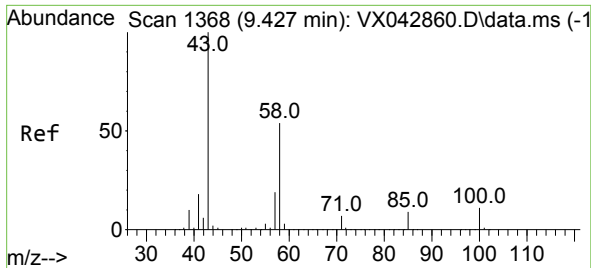
Ion Ratio Lower Upper

43 100

58 40.1 31.4 47.0

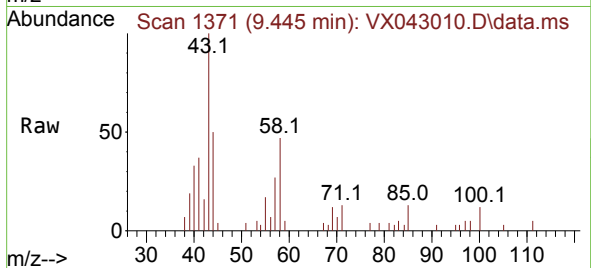
85 19.8 14.6 21.8



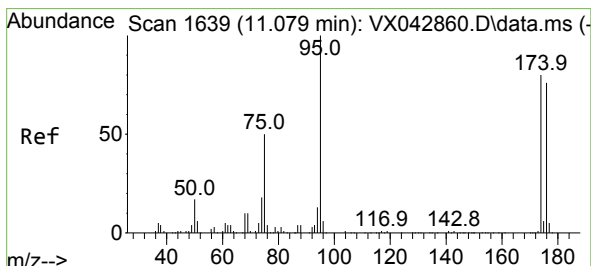
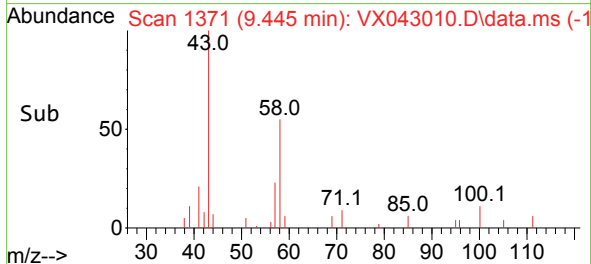
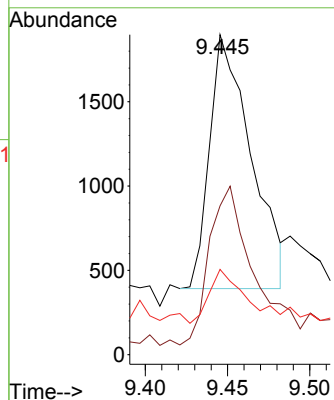


#59
2-Hexanone
Concen: 0.971 ug/l
RT: 9.445 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

Instrument :
MSVOA_X
ClientSampleId :

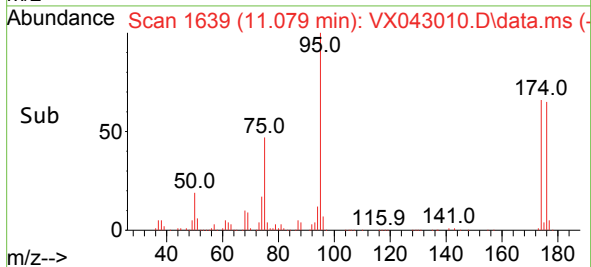
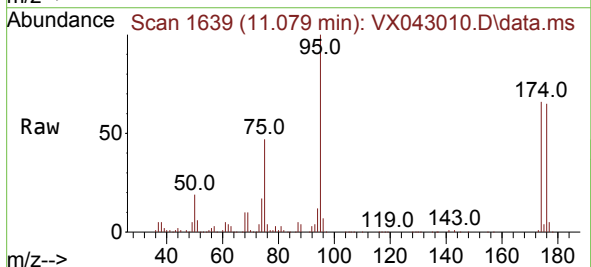
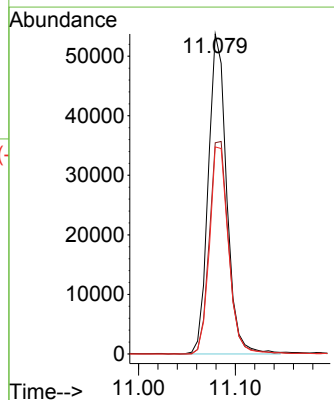


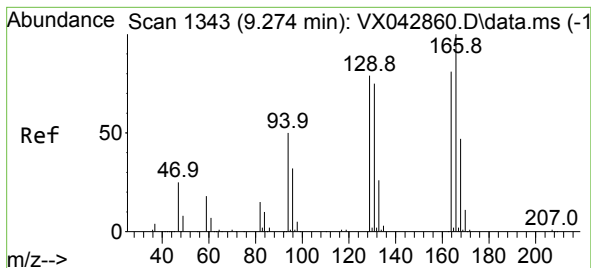
Tgt Ion: 43 Resp: 2640
Ion Ratio Lower Upper
43 100
58 67.8 43.5 65.3#
57 23.6 15.0 22.6#



#60
4-Bromofluorobenzene
Concen: 27.814 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

Tgt Ion: 95 Resp: 71077
Ion Ratio Lower Upper
95 100
174 69.5 65.0 97.6
176 67.0 63.4 95.0





#61

Tetrachloroethene

Concen: 0.863 ug/l

RT: 9.275 min Scan# 1

Delta R.T. -0.000 min

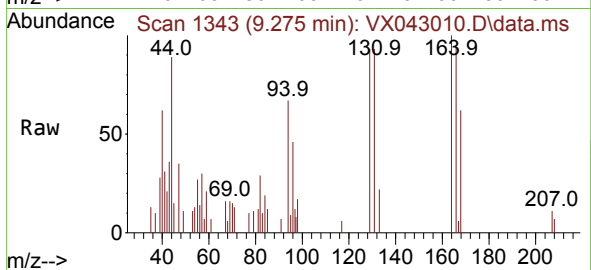
Lab File: VX043010.D

Acq: 13 Aug 2024 12:21

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:164 Resp: 1371

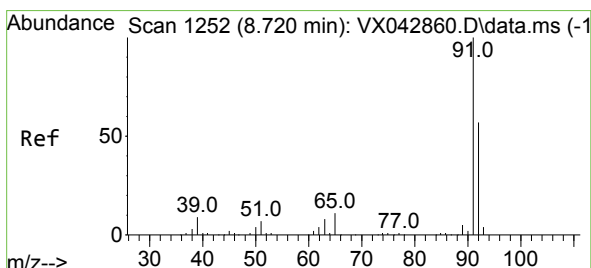
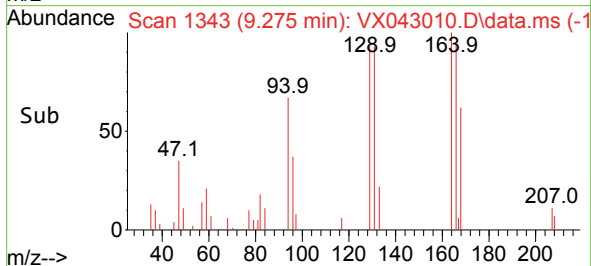
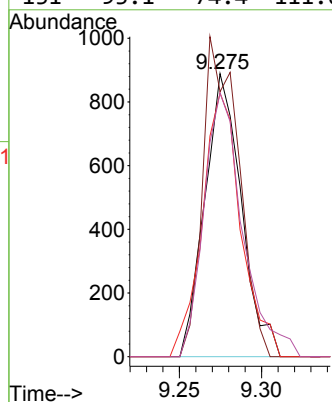
Ion Ratio Lower Upper

164 100

166 93.6 98.6 147.8#

129 93.1 77.4 116.0

131 93.1 74.4 111.6



#62

Toluene

Concen: 0.477 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX043010.D

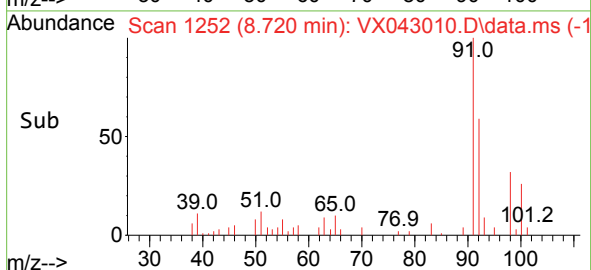
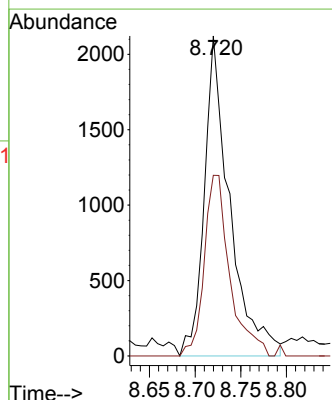
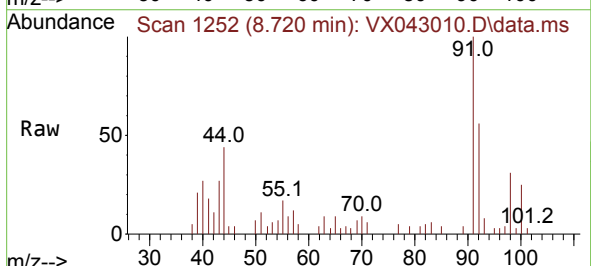
Acq: 13 Aug 2024 12:21

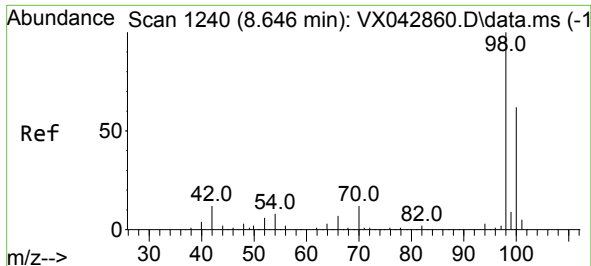
Tgt Ion: 91 Resp: 4103

Ion Ratio Lower Upper

91 100

92 56.9 45.7 68.5

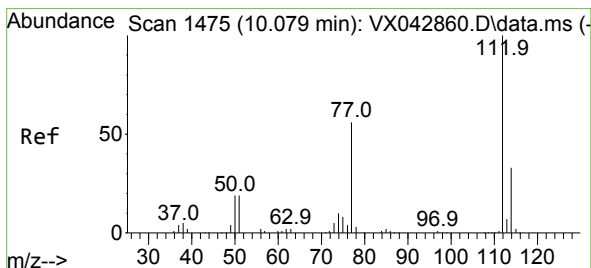
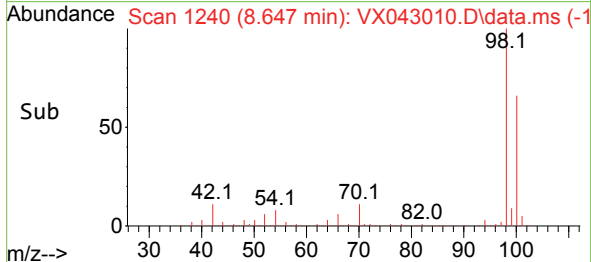
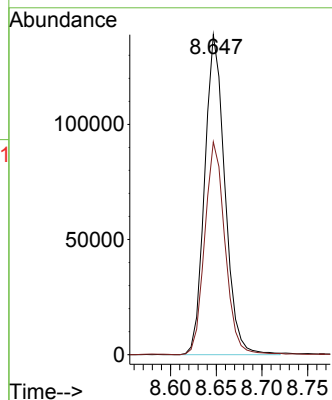
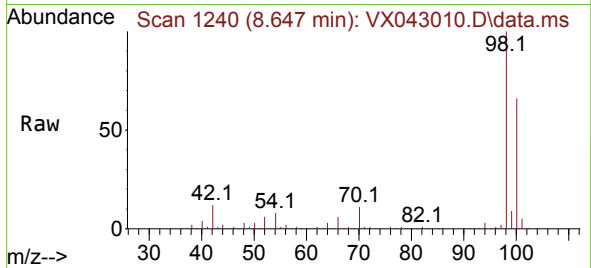




#63
Toluene-d8
Concen: 30.857 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

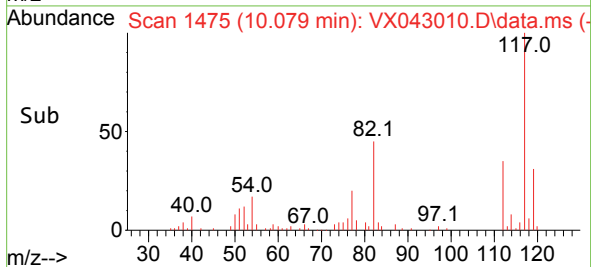
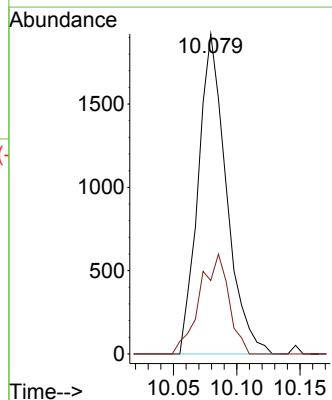
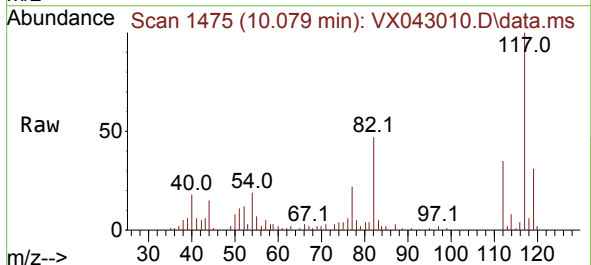
Instrument :
MSVOA_X
ClientSampleId :

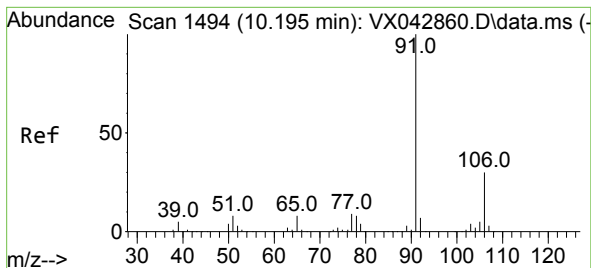
Tgt Ion: 98 Resp: 213379
Ion Ratio Lower Upper
98 100
100 66.6 50.9 76.3



#64
Chlorobenzene
Concen: 0.565 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

Tgt Ion: 112 Resp: 2981
Ion Ratio Lower Upper
112 100
114 23.0 26.3 39.5#





#66

Ethyl Benzene

Concen: 0.445 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VX043010.D

Acq: 13 Aug 2024 12:21

Instrument :

MSVOA_X

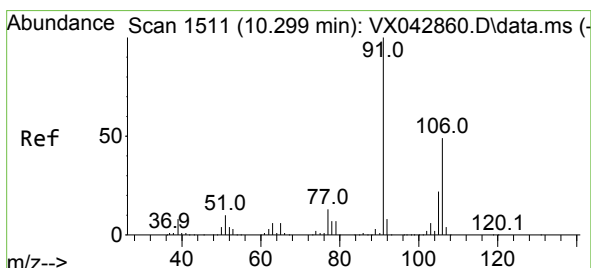
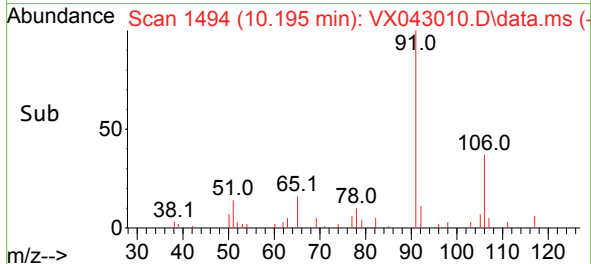
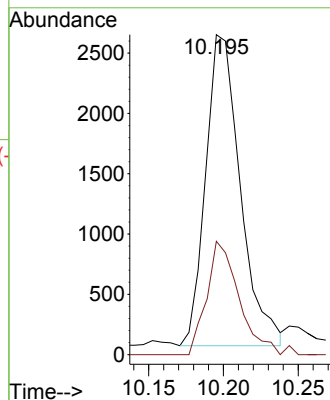
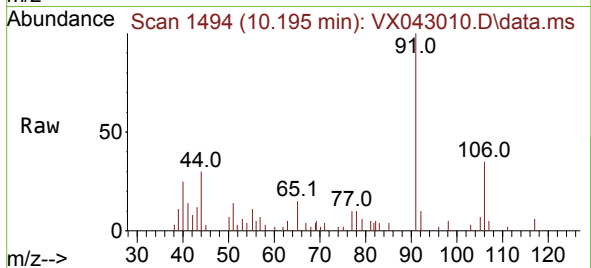
ClientSampleId :

Tgt Ion: 91 Resp: 4154

Ion Ratio Lower Upper

91 100

106 36.4 23.8 35.8#



#67

m/p-Xylenes

Concen: 1.011 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX043010.D

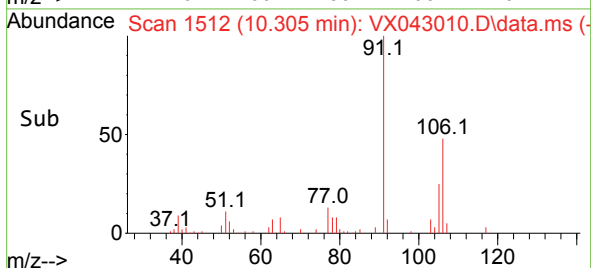
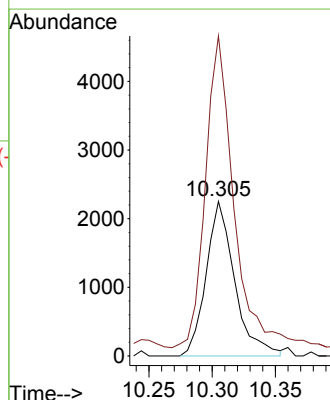
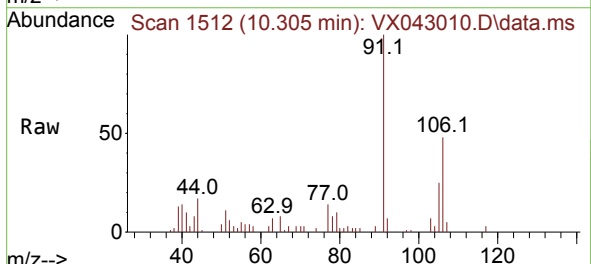
Acq: 13 Aug 2024 12:21

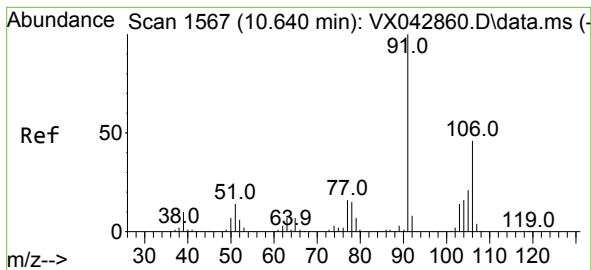
Tgt Ion: 106 Resp: 3534

Ion Ratio Lower Upper

106 100

91 192.5 165.3 247.9





#68

o-Xylene

Concen: 0.436 ug/l

RT: 10.646 min Scan# 1567

Delta R.T. 0.006 min

Lab File: VX043010.D

Acq: 13 Aug 2024 12:21

Instrument :

MSVOA_X

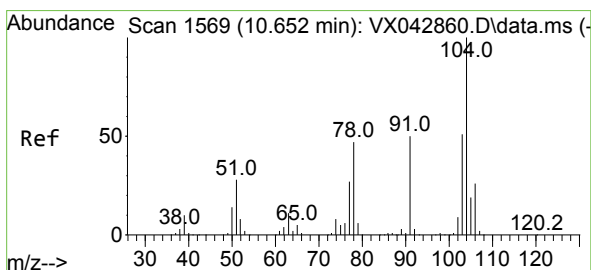
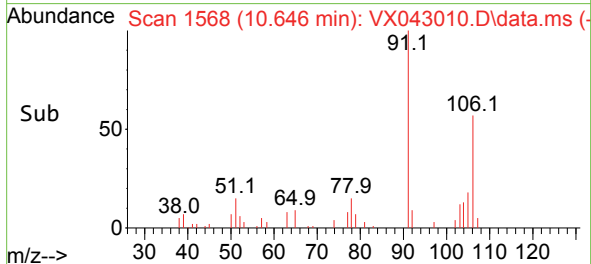
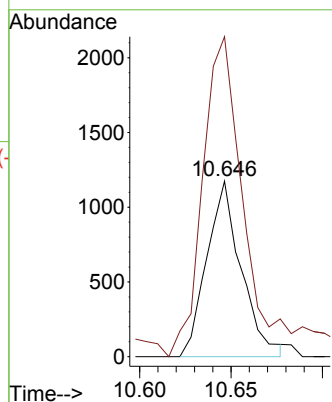
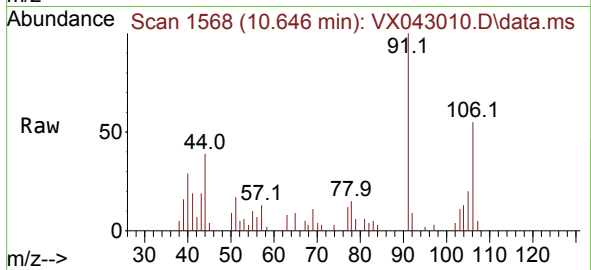
ClientSampleId :

Tgt Ion:106 Resp: 1542

Ion Ratio Lower Upper

106 100

91 202.6 107.5 322.4



#69

Styrene

Concen: 0.471 ug/l

RT: 10.665 min Scan# 1571

Delta R.T. 0.012 min

Lab File: VX043010.D

Acq: 13 Aug 2024 12:21

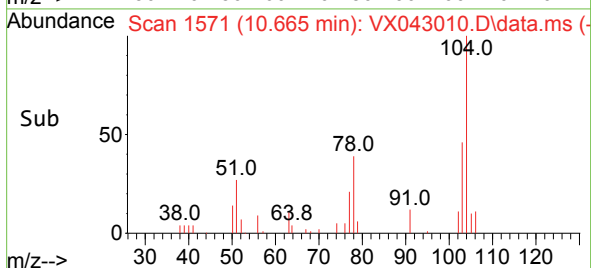
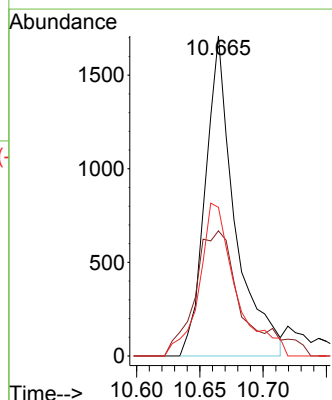
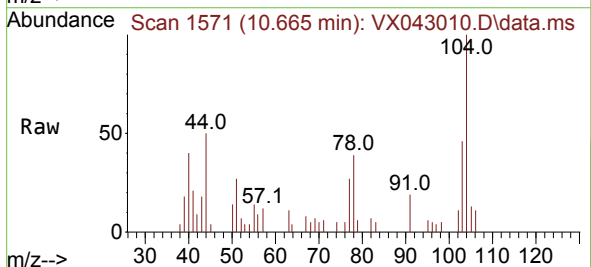
Tgt Ion:104 Resp: 2773

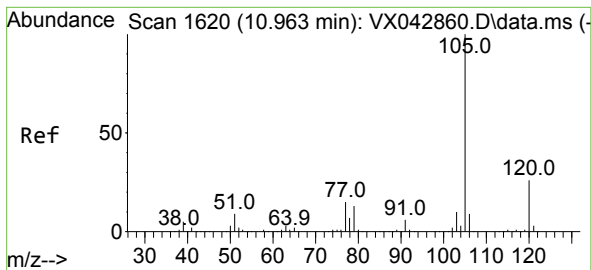
Ion Ratio Lower Upper

104 100

78 56.2 41.1 61.7

103 59.0 44.2 66.2





#70

Isopropylbenzene

Concen: 0.458 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VX043010.D

Acq: 13 Aug 2024 12:21

Instrument :

MSVOA_X

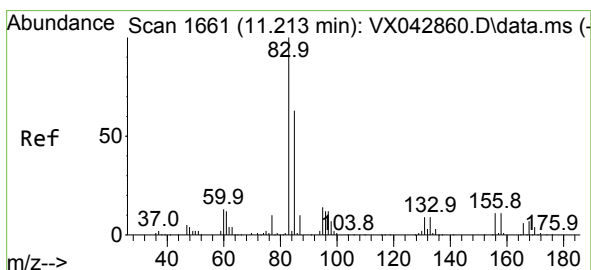
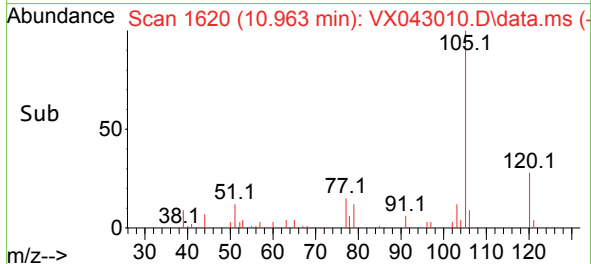
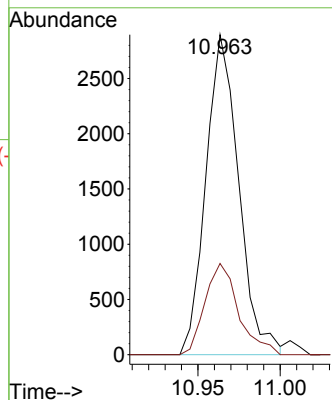
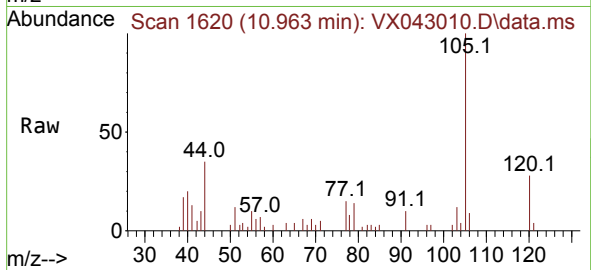
ClientSampleId :

Tgt Ion:105 Resp: 4012

Ion Ratio Lower Upper

105 100

120 29.2 18.4 34.2



#71

1,1,2,2-Tetrachloroethane

Concen: 0.372 ug/l

RT: 11.219 min Scan# 1662

Delta R.T. 0.006 min

Lab File: VX043010.D

Acq: 13 Aug 2024 12:21

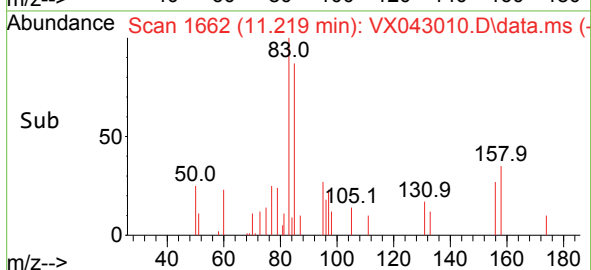
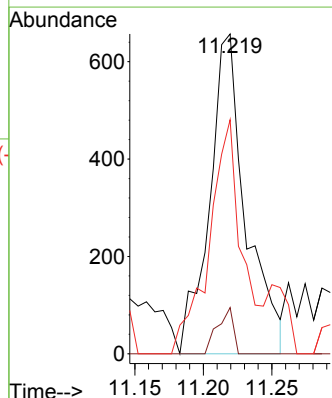
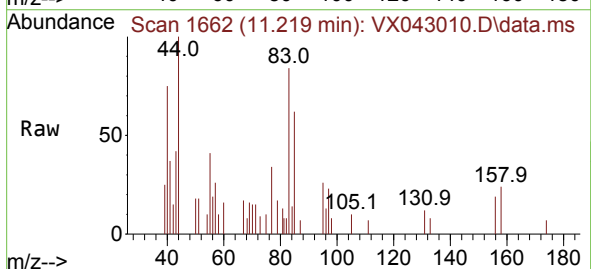
Tgt Ion: 83 Resp: 1210

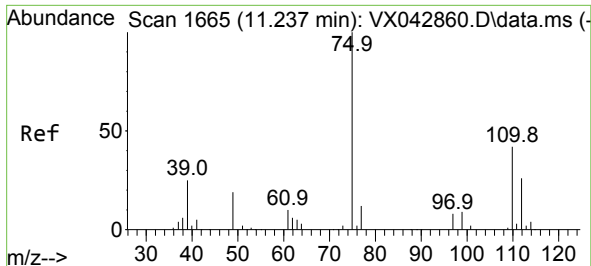
Ion Ratio Lower Upper

83 100

131 6.3 4.9 14.7

85 66.4 32.0 96.2

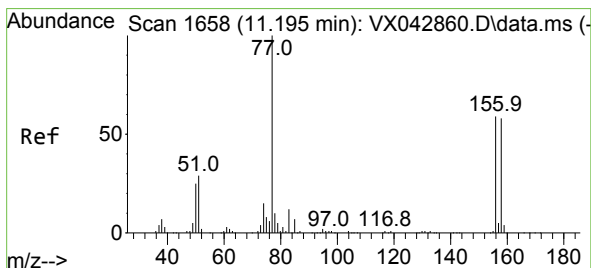
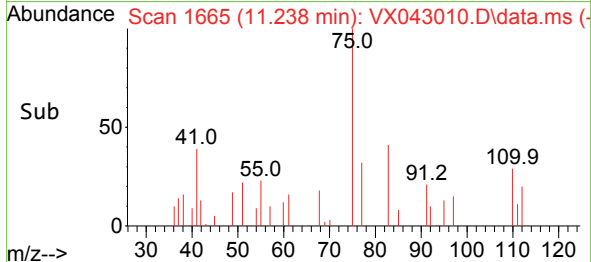
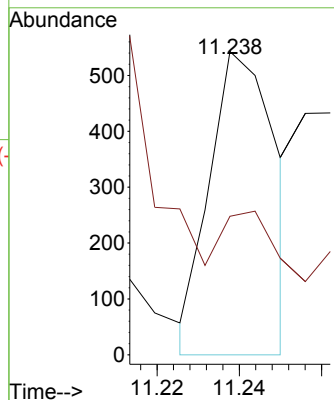
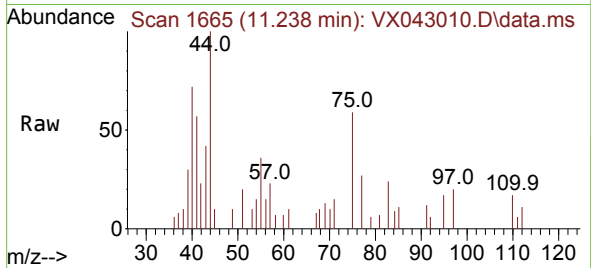




#72
1,2,3-Trichloropropane
Concen: 0.218 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

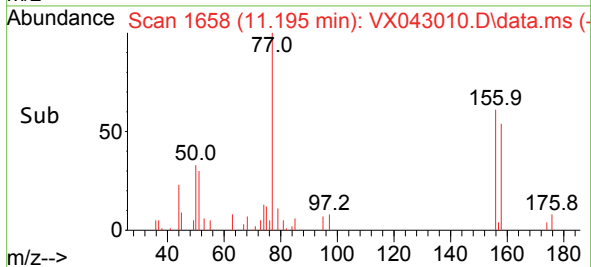
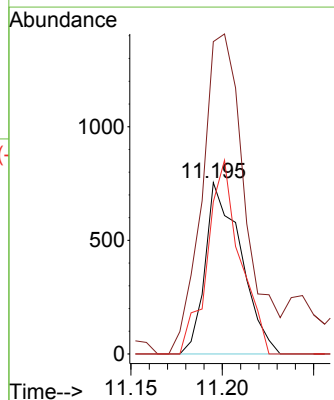
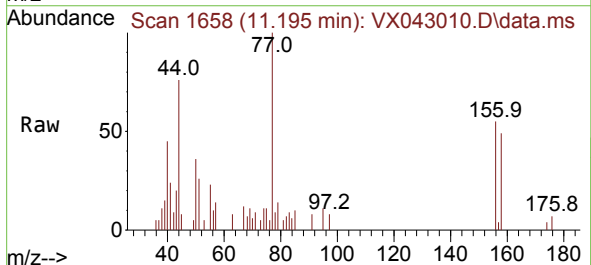
Instrument :
MSVOA_X
ClientSampleId :

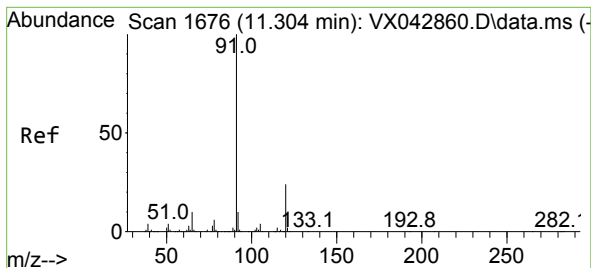
Tgt Ion: 75 Resp: 605
Ion Ratio Lower Upper
75 100
77 38.7 0.0 89.6



#73
Bromobenzene
Concen: 0.508 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

Tgt Ion: 156 Resp: 1023
Ion Ratio Lower Upper
156 100
77 226.4 0.0 317.2
158 103.6 0.0 195.2





#74

n-propylbenzene

Concen: 0.573 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX043010.D

Acq: 13 Aug 2024 12:21

Instrument :

MSVOA_X

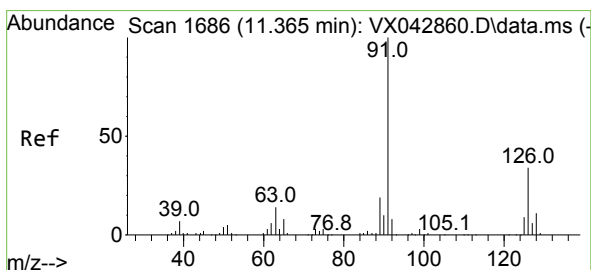
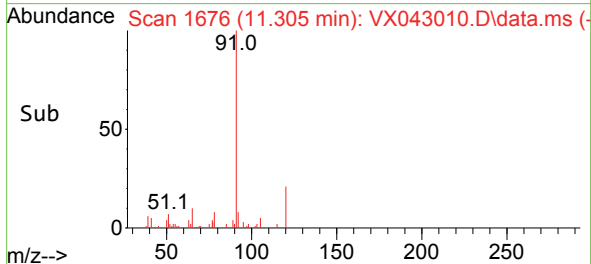
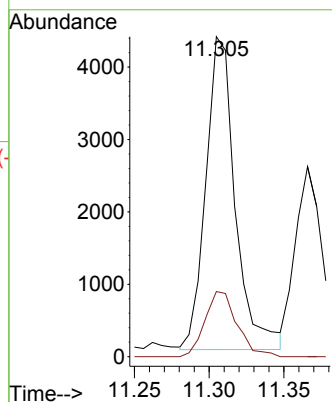
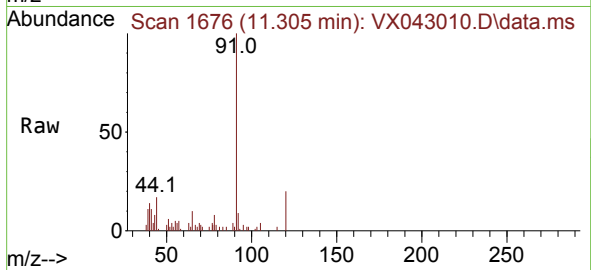
ClientSampleId :

Tgt Ion: 91 Resp: 5925

Ion Ratio Lower Upper

91 100

120 22.3 0.0 45.8



#75

2-Chlorotoluene

Concen: 0.536 ug/l

RT: 11.366 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VX043010.D

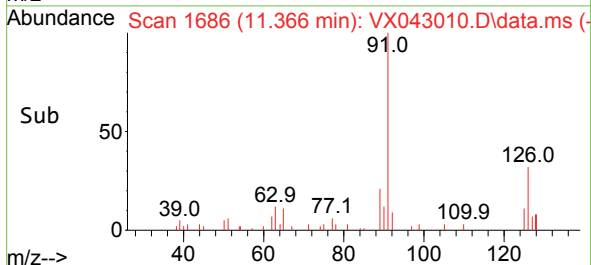
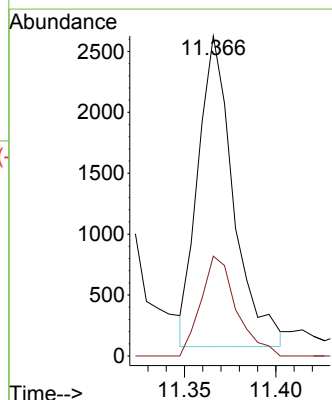
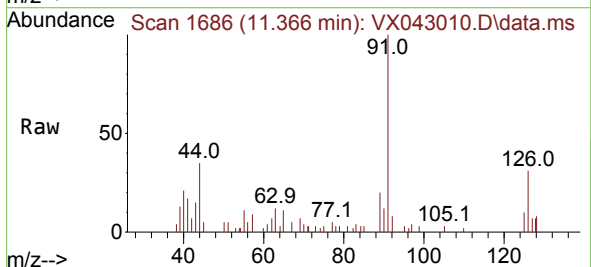
Acq: 13 Aug 2024 12:21

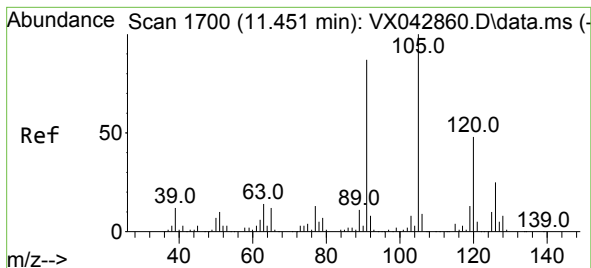
Tgt Ion: 91 Resp: 3430

Ion Ratio Lower Upper

91 100

126 32.3 0.0 66.2

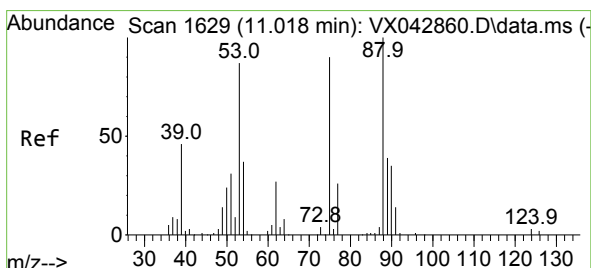
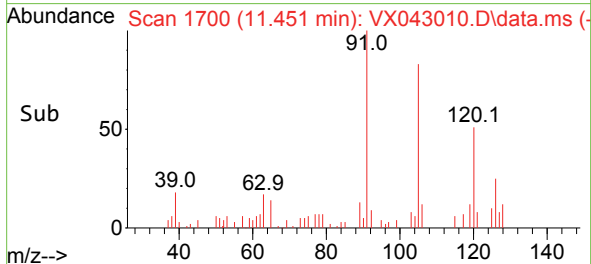
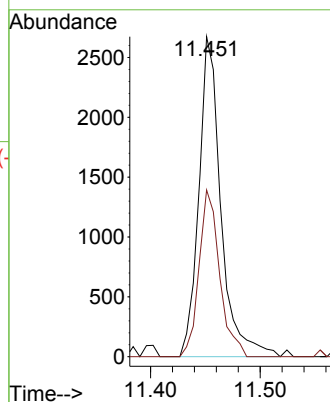
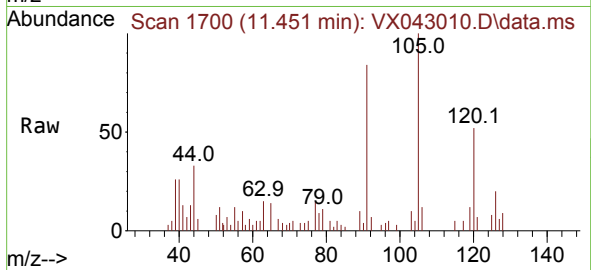




#76
1,3,5-Trimethylbenzene
Concen: 0.523 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

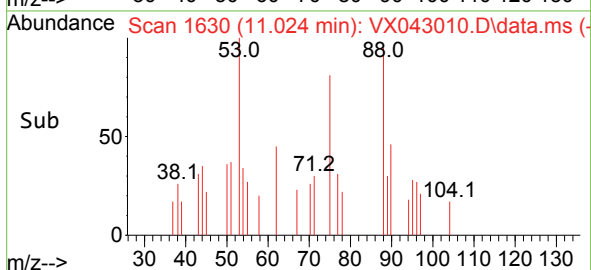
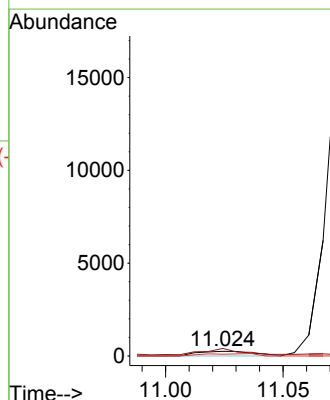
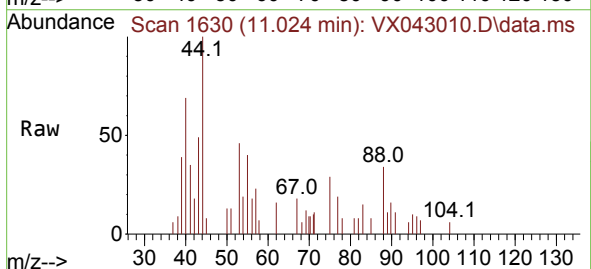
Instrument :
MSVOA_X
ClientSampleId :

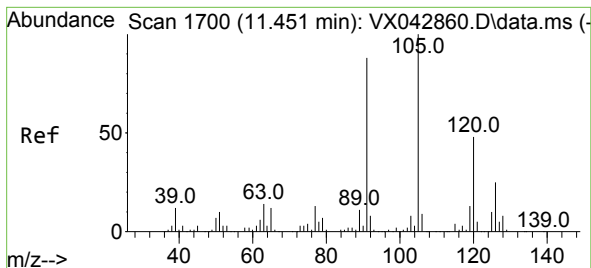
Tgt Ion:105 Resp: 3742
Ion Ratio Lower Upper
105 100
120 48.6 0.0 94.8



#77
t-1,4-Dichloro-2-butene
Concen: 0.320 ug/l
RT: 11.024 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

Tgt Ion: 75 Resp: 416
Ion Ratio Lower Upper
75 100
53 133.5 48.5 145.5
89 37.5 21.9 65.5





#78

4-Chlorotoluene

Concen: 0.707 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VX043010.D

Acq: 13 Aug 2024 12:21

Instrument :

MSVOA_X

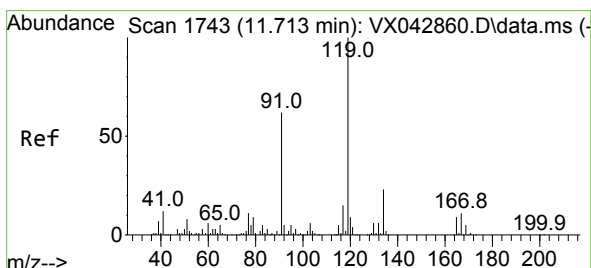
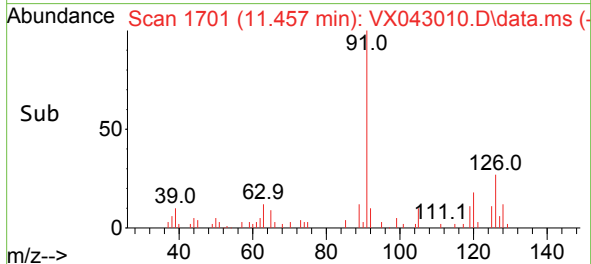
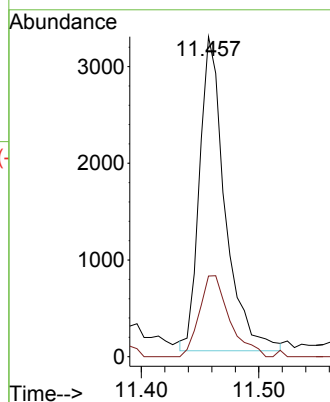
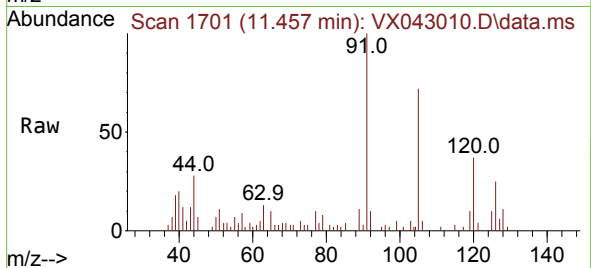
ClientSampleId :

Tgt Ion: 91 Resp: 4911

Ion Ratio Lower Upper

91 100

126 30.3 0.0 59.4



#79

tert-butylbenzene

Concen: 0.376 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043010.D

Acq: 13 Aug 2024 12:21

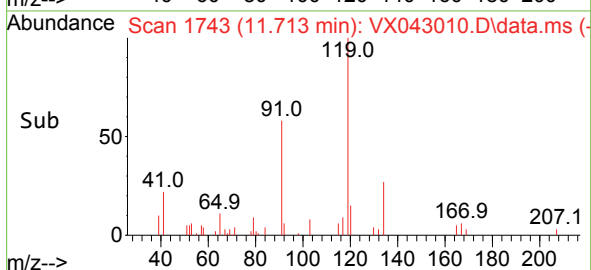
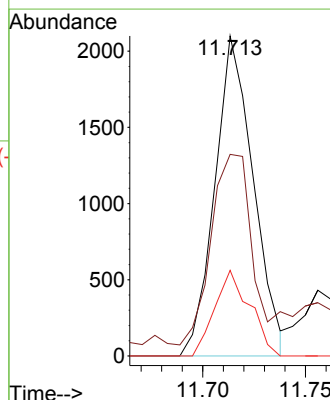
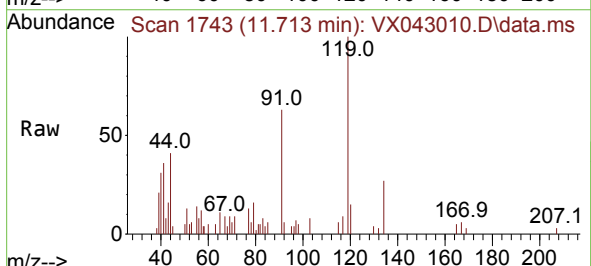
Tgt Ion: 119 Resp: 2736

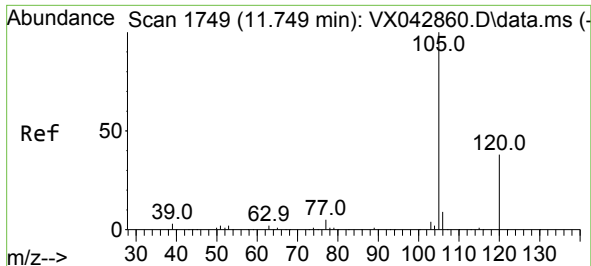
Ion Ratio Lower Upper

119 100

91 61.7 0.0 118.6

134 24.4 0.0 44.4

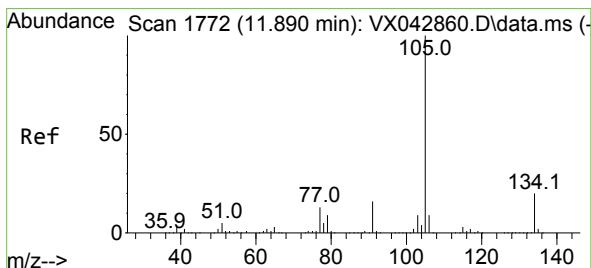
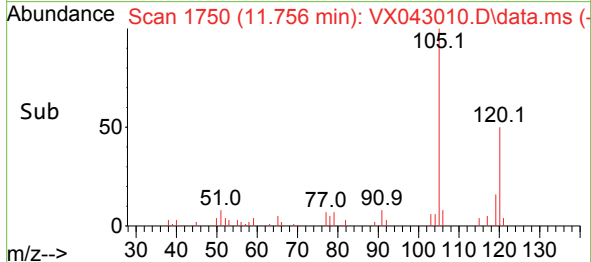
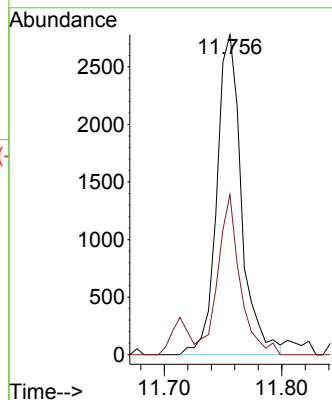
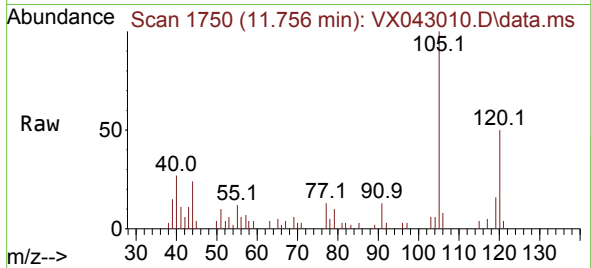




#80
1,2,4-Trimethylbenzene
Concen: 0.558 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

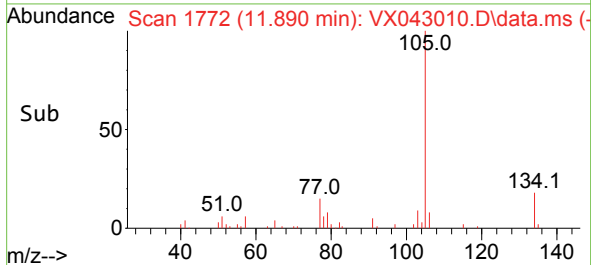
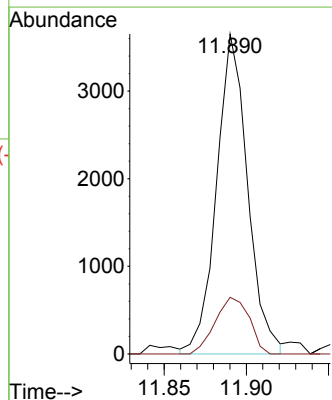
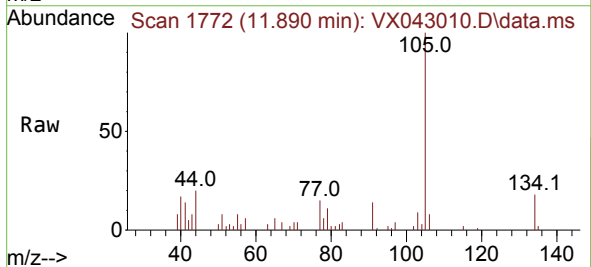
Instrument :
MSVOA_X
ClientSampleId :

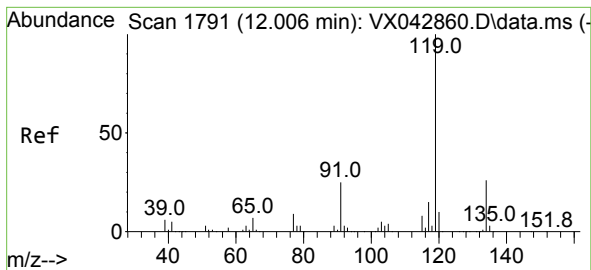
Tgt Ion:105 Resp: 4072
Ion Ratio Lower Upper
105 100
120 40.8 0.0 87.8



#81
sec-Butylbenzene
Concen: 0.521 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

Tgt Ion:105 Resp: 4795
Ion Ratio Lower Upper
105 100
134 19.4 0.0 40.0

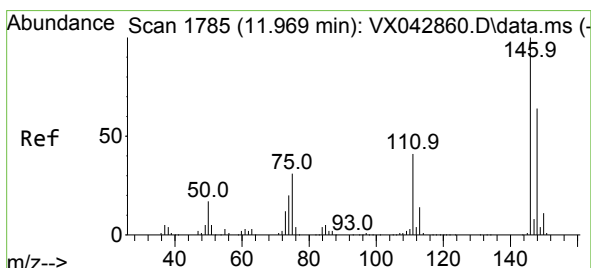
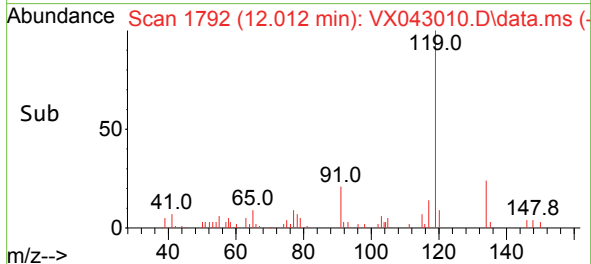
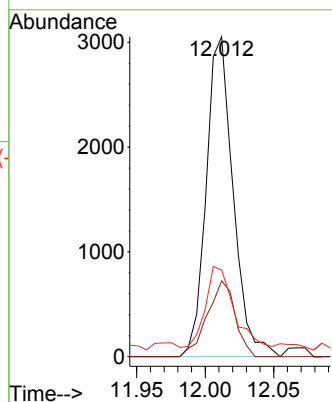
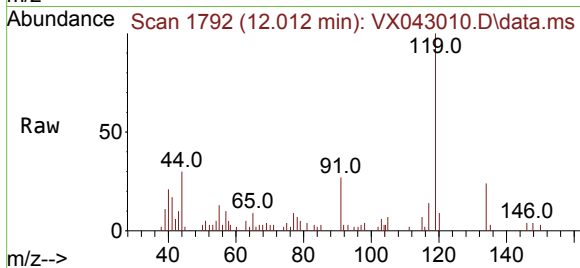




#82
 p-Isopropyltoluene
 Concen: 0.560 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.006 min
 Lab File: VX043010.D
 Acq: 13 Aug 2024 12:21

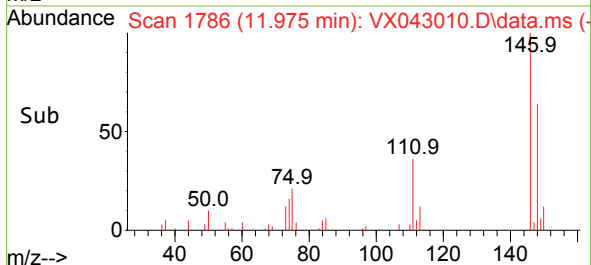
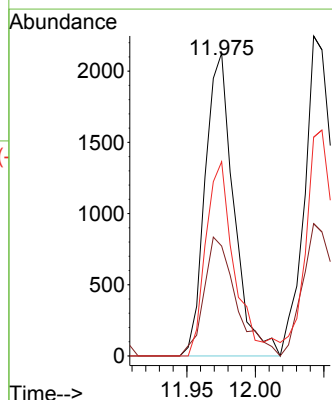
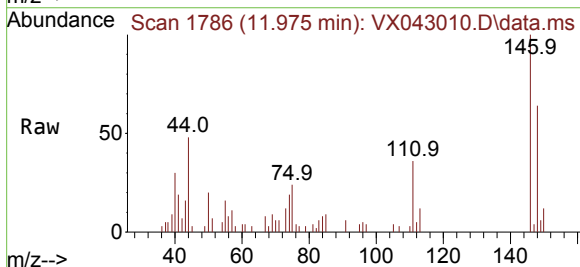
Instrument :
 MSVOA_X
 ClientSampleId :

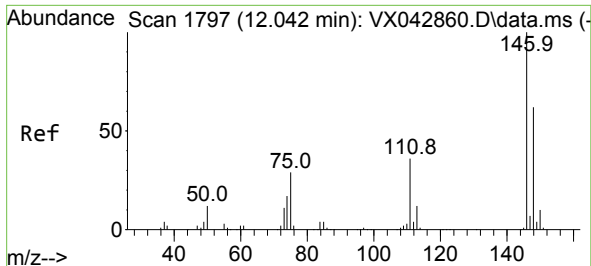
Tgt Ion:119 Resp: 4168
 Ion Ratio Lower Upper
 119 100
 134 24.5 0.0 51.8
 91 26.2 0.0 48.4



#83
 1,3-Dichlorobenzene
 Concen: 0.833 ug/l
 RT: 11.975 min Scan# 1786
 Delta R.T. 0.006 min
 Lab File: VX043010.D
 Acq: 13 Aug 2024 12:21

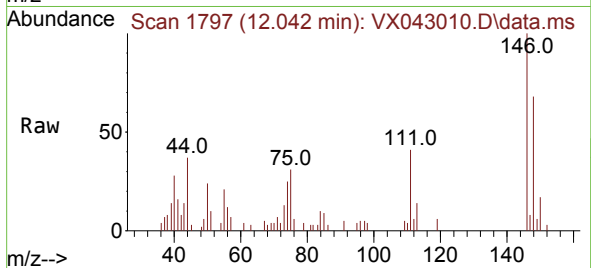
Tgt Ion:146 Resp: 3093
 Ion Ratio Lower Upper
 146 100
 111 43.9 20.3 61.0
 148 62.7 31.7 95.1



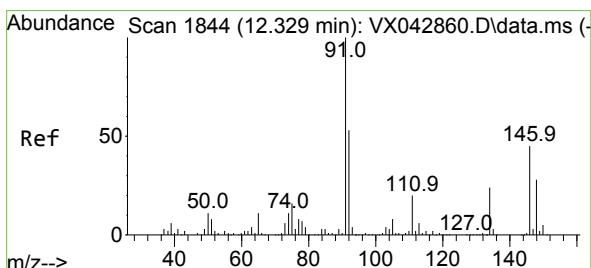
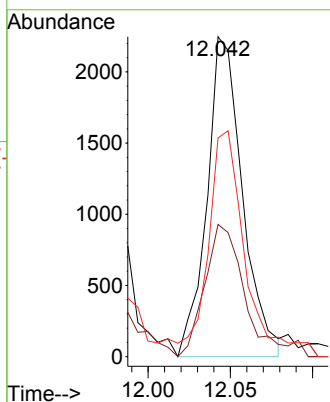
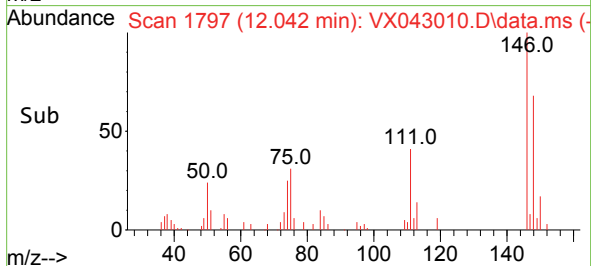


#84
1,4-Dichlorobenzene
Concen: 0.908 ug/l
RT: 12.042 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

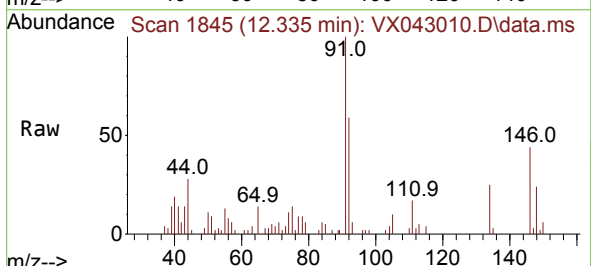
Instrument :
MSVOA_X
ClientSampleId :



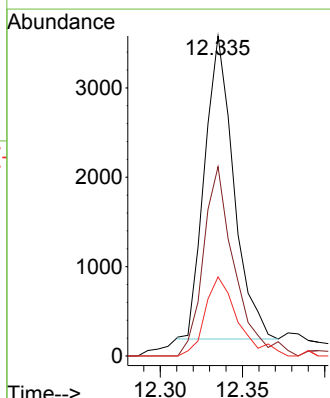
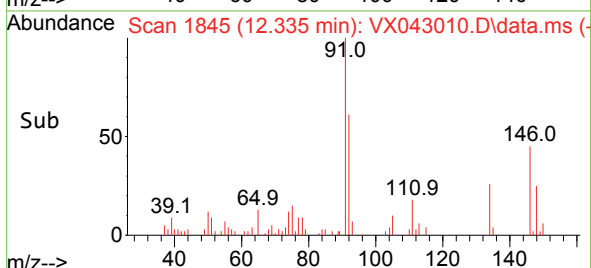
Tgt Ion:146 Resp: 3375
Ion Ratio Lower Upper
146 100
111 45.8 19.4 58.4
148 70.3 31.4 94.2

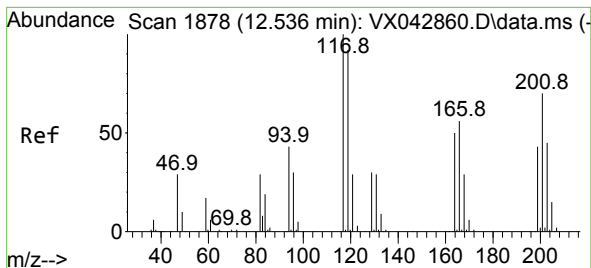


#85
n-Butylbenzene
Concen: 0.629 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21



Tgt Ion: 91 Resp: 4169
Ion Ratio Lower Upper
91 100
92 66.7 0.0 106.4
134 29.2 0.0 50.6





#86

Hexachloroethane

Concen: 0.334 ug/l

RT: 12.542 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX043010.D

Acq: 13 Aug 2024 12:21

Instrument :

MSVOA_X

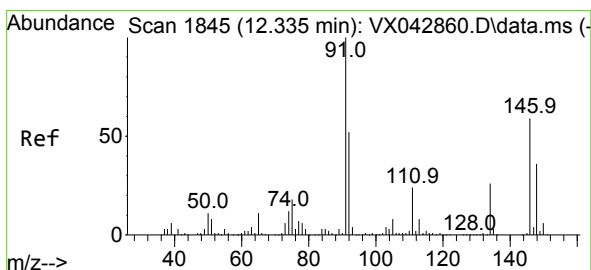
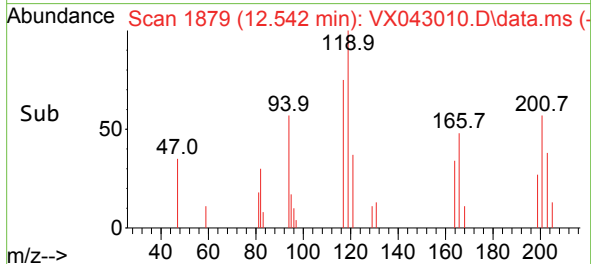
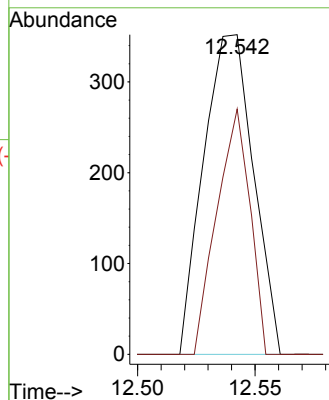
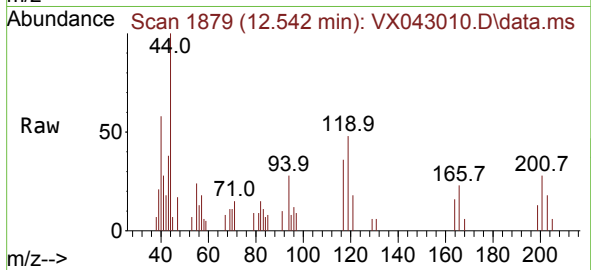
ClientSampleId :

Tgt Ion:117 Resp: 520

Ion Ratio Lower Upper

117 100

201 51.0 37.5 112.7



#87

1,2-Dichlorobenzene

Concen: 0.706 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.006 min

Lab File: VX043010.D

Acq: 13 Aug 2024 12:21

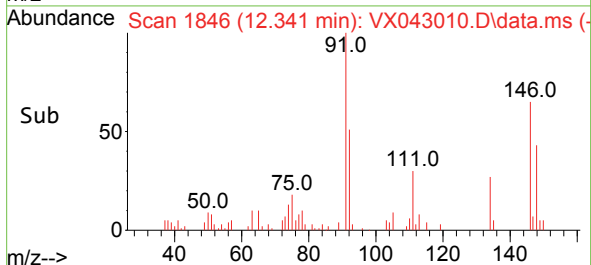
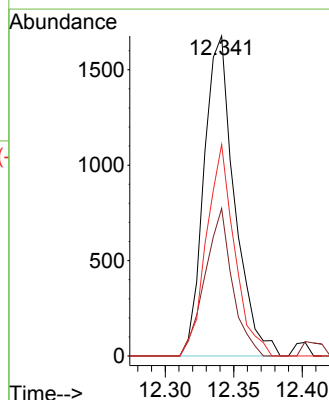
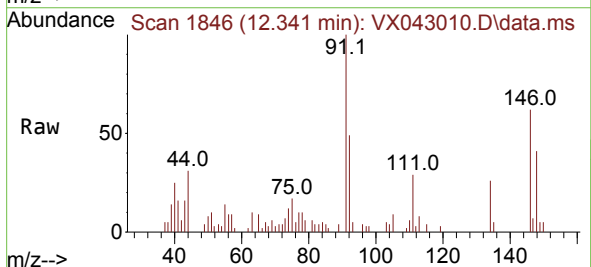
Tgt Ion:146 Resp: 2605

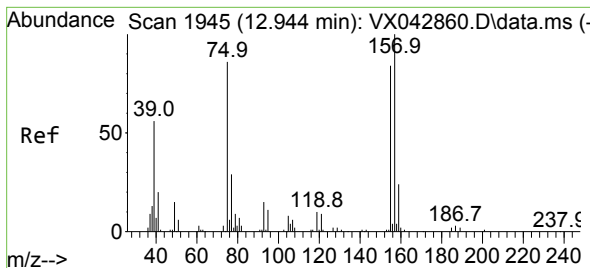
Ion Ratio Lower Upper

146 100

111 41.1 21.0 63.0

148 60.9 30.8 92.4

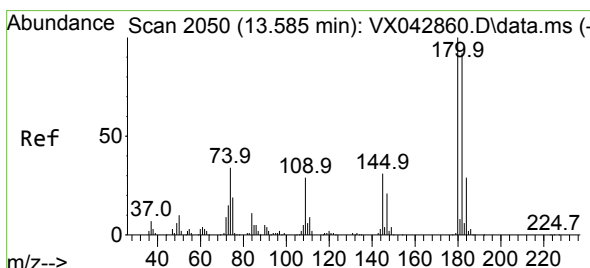
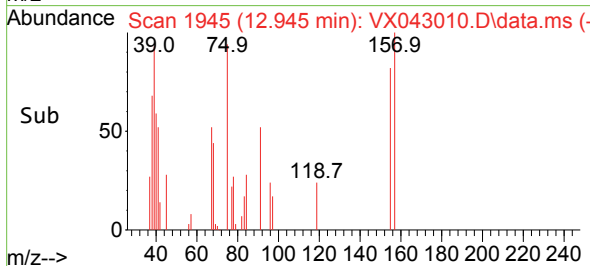
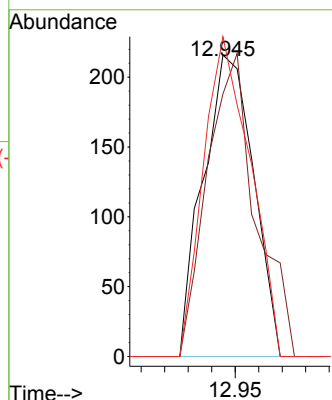
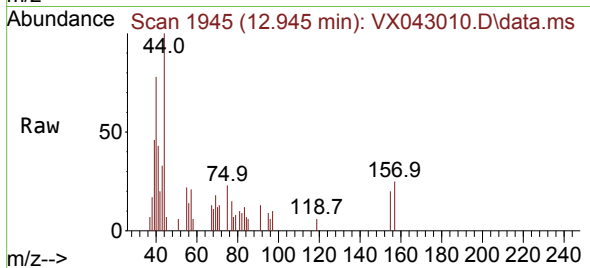




#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.425 ug/l
 RT: 12.945 min Scan# 1945
 Delta R.T. 0.006 min
 Lab File: VX043010.D
 Acq: 13 Aug 2024 12:21

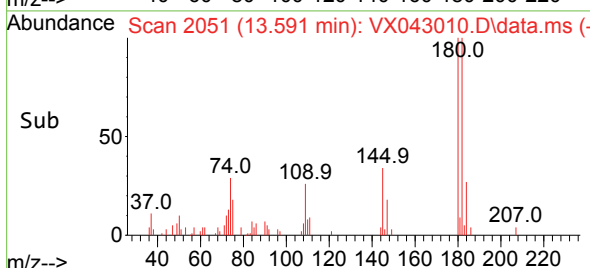
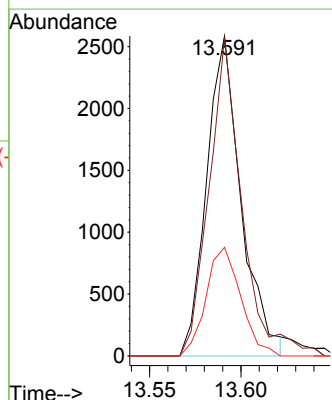
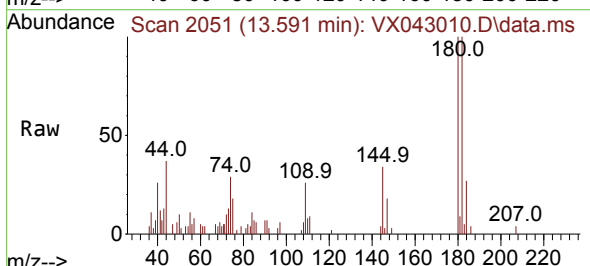
Instrument :
 MSVOA_X
 ClientSampleId :

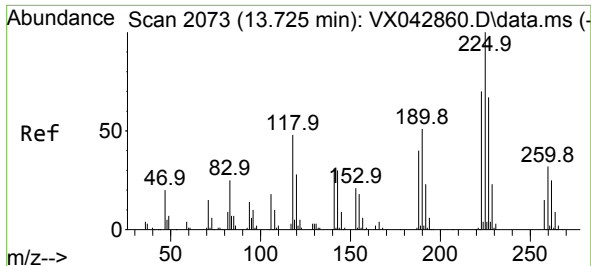
Tgt Ion: 75 Resp: 321
 Ion Ratio Lower Upper
 75 100
 155 96.9 68.7 103.1
 157 99.4 86.7 130.1



#89
 1,2,4-Trichlorobenzene
 Concen: 1.553 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.006 min
 Lab File: VX043010.D
 Acq: 13 Aug 2024 12:21

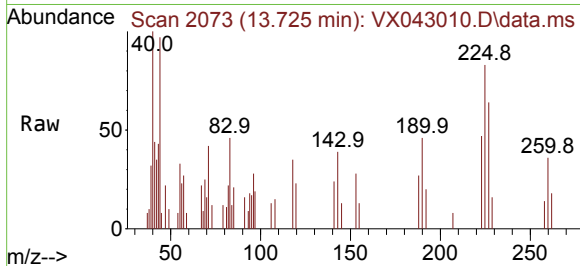
Tgt Ion: 180 Resp: 3391
 Ion Ratio Lower Upper
 180 100
 182 90.4 73.1 109.7
 145 34.2 24.6 37.0



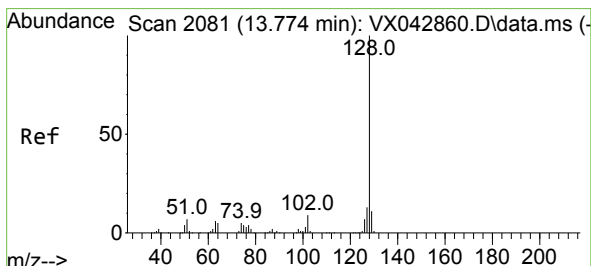
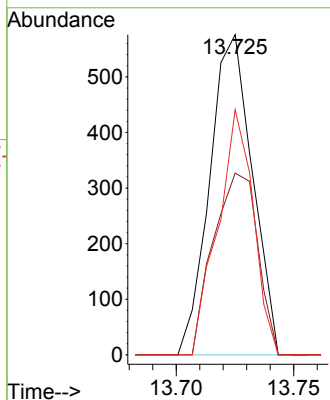
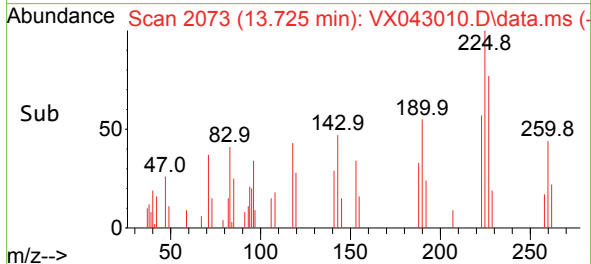


#90
Hexachlorobutadiene
Concen: 0.892 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21

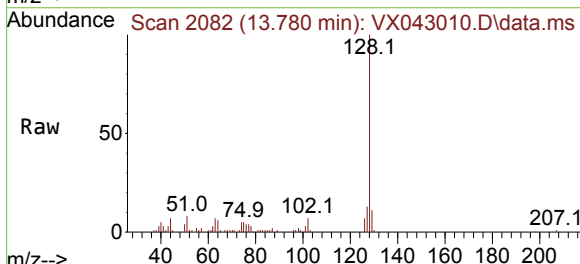
Instrument :
MSVOA_X
ClientSampleId :



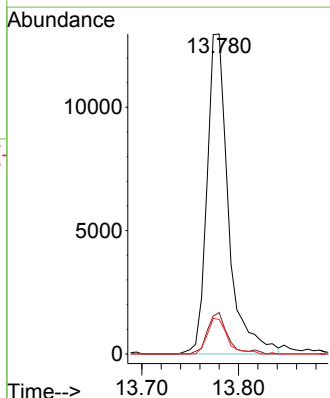
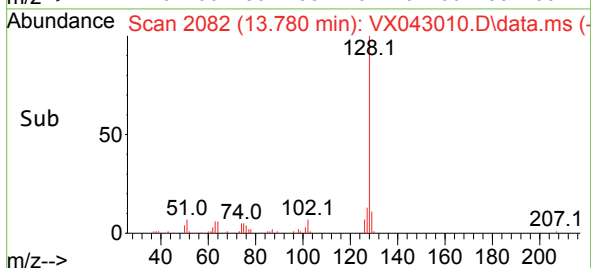
Tgt Ion:225 Resp: 726
Ion Ratio Lower Upper
225 100
223 59.1 0.0 135.0
227 63.5 0.0 130.4

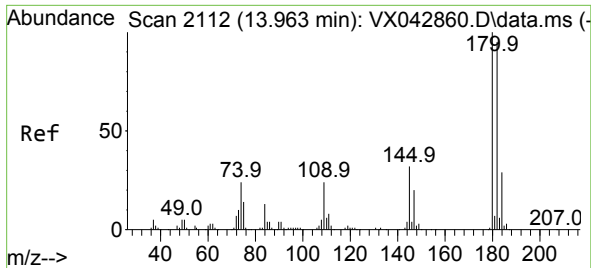


#91
Naphthalene
Concen: 2.338 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX043010.D
Acq: 13 Aug 2024 12:21



Tgt Ion:128 Resp: 19956
Ion Ratio Lower Upper
128 100
127 11.7 10.2 15.4
129 10.4 8.8 13.2





#92

1,2,3-Trichlorobenzene

Concen: 1.717 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

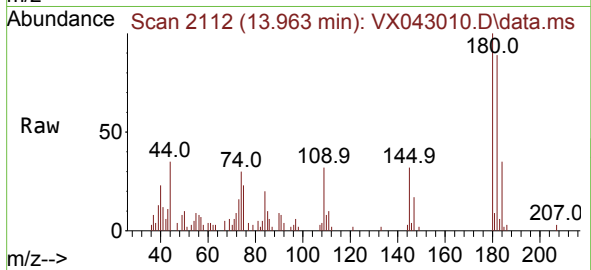
Lab File: VX043010.D

Acq: 13 Aug 2024 12:21

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 3824

Ion Ratio Lower Upper

180 100

182 93.7 0.0 185.8

145 37.9 0.0 65.2

