

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044664.D
 Acq On : 16 Jan 2025 10:35
 Operator :
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jan 17 01:23:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.897	128	29592	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	156280	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	139131	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	82998	29.053	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.833%
60) 4-Bromofluorobenzene	11.079	95	80344	29.731	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.100%
63) Toluene-d8	8.647	98	232822	30.767	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.567%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.160	85	581	0.221	ug/l	96
4) Vinyl Chloride	1.374	62	802	0.296	ug/l #	74
5) Bromomethane	1.593	94	352	0.538	ug/l	99
6) Chloroethane	1.599	64	155	0.361	ug/l	96
7) Trichlorofluoromethane	1.874	101	800	0.270	ug/l	86
8) Diethyl Ether	2.130	74	243	0.212	ug/l	66
9) 1,1,2-Trichlorotrifluo...	2.325	101	565	0.266	ug/l	89
10) 1,1-Dichloroethene	2.306	96	1053	0.482	ug/l	97
11) Methyl Iodide	2.441	142	1899	0.627	ug/l	94
12) Methyl Acetate	2.703	43	1421	0.445	ug/l	99
13) Acrolein	2.233	56	743	2.105	ug/l	95
14) Acrylonitrile	3.075	53	3097	2.663	ug/l	98
15) Acetone	2.392	58	894	2.865	ug/l	90
16) Carbon Disulfide	2.502	76	11122	1.831	ug/l	96
17) Allyl chloride	2.654	41	1494	0.379	ug/l	92
18) Methylene Chloride	2.782	84	1063	0.435	ug/l #	74
19) trans-1,2-Dichloroethene	3.087	96	2157	0.992	ug/l	93
22) cis-1,2-Dichloroethene	4.489	96	1134	0.422	ug/l #	74
23) tert-Butyl Alcohol	2.983	59	403	0.717	ug/l #	100
29) 1,1-Dichloropropene	5.690	75	1772	0.652	ug/l #	46
34) Benzene	6.038	78	2066	0.238	ug/l #	82
37) Trichloroethene	7.135	130	1343	0.641	ug/l #	80
40) Dibromomethane	7.592	93	959	0.596	ug/l	86
41) Bromodichloromethane	7.836	83	954	0.287	ug/l #	69
42) Vinyl Acetate	3.733	43	6247	1.053	ug/l #	83
45) 1,4-Dioxane	7.696	88	529	10.557	ug/l #	45
48) t-1,3-Dichloropropene	8.988	75	1727	0.493	ug/l	95
49) cis-1,3-Dichloropropene	8.372	75	1535	0.409	ug/l	94
50) 1,1,2-Trichloroethane	9.159	97	638	0.308	ug/l #	75
52) 1,3-Dichloropropane	9.311	76	1011	0.282	ug/l	76
53) Dibromochloromethane	9.525	129	639	0.258	ug/l	96
54) 1,2-Dibromoethane	9.622	107	926	0.423	ug/l	93
55) 2-Chloroethyl vinyl ether	8.251	63	3353	1.921	ug/l	94
56) Bromoform	10.805	173	533	0.325	ug/l #	78
59) 2-Hexanone	9.452	43	2602	1.212	ug/l #	85
61) Tetrachloroethene	9.275	164	1172	0.702	ug/l #	76
62) Toluene	8.720	91	3549	0.387	ug/l	95
64) Chlorobenzene	10.079	112	3052	0.536	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	544	0.266	ug/l	73

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

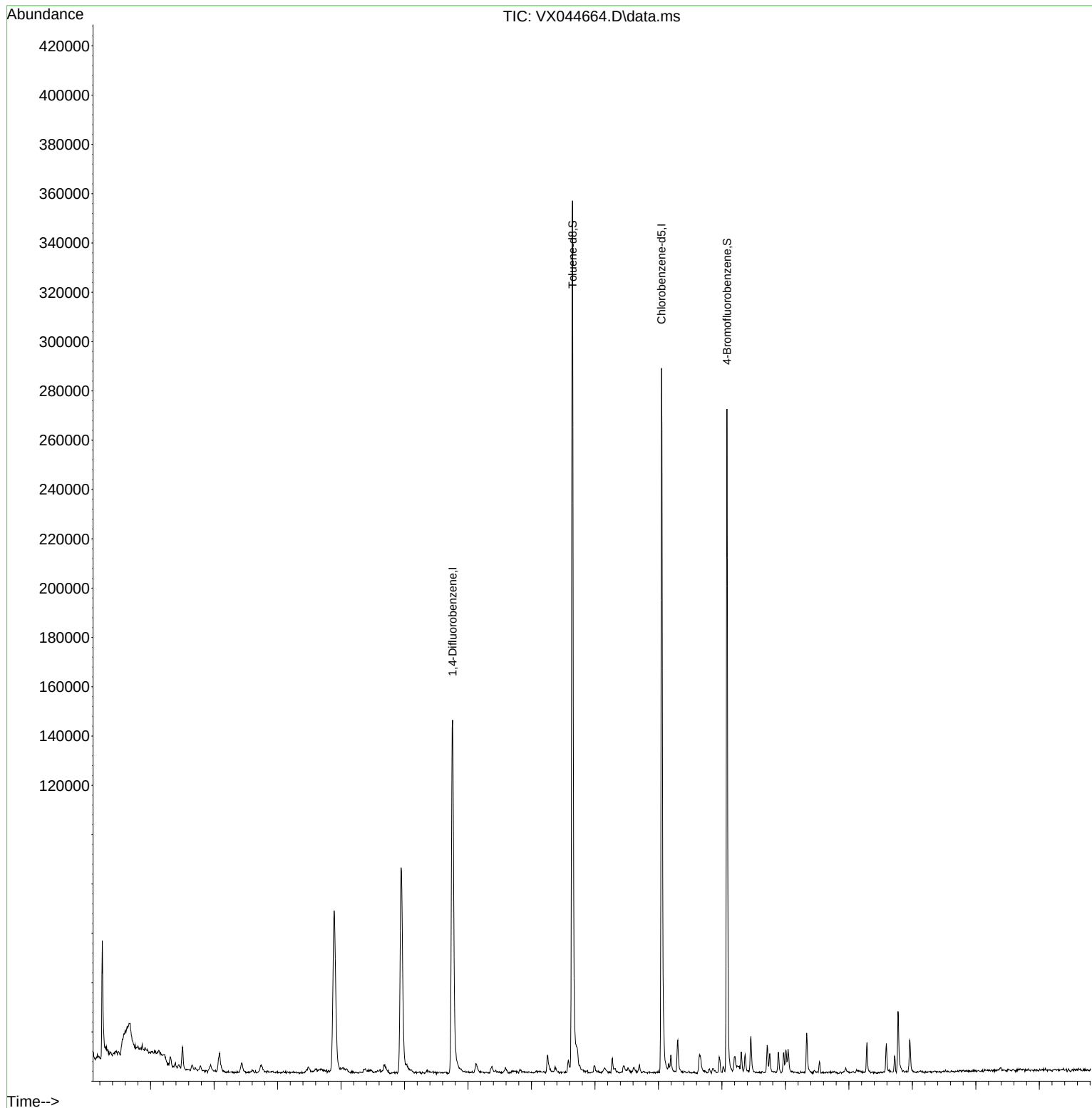
66) Ethyl Benzene	10.195	91	4348	0.435	ug/l	90
67) m/p-Xylenes	10.305	106	3863	1.051	ug/l	85
68) o-Xylene	10.646	106	1564	0.424	ug/l	90
69) Styrene	10.665	104	3209	0.530	ug/l	96
70) Isopropylbenzene	10.963	105	4091	0.441	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	1384	0.444	ug/l #	94
72) 1,2,3-Trichloropropane	11.244	75	944	0.360	ug/l	81
73) Bromobenzene	11.201	156	1262	0.584	ug/l	95
74) n-propylbenzene	11.305	91	5183	0.492	ug/l	96
75) 2-Chlorotoluene	11.366	91	3666	0.554	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	3938	0.523	ug/l	92
77) t-1,4-Dichloro-2-butene	11.031	75	551	0.444	ug/l	80
78) 4-Chlorotoluene	11.457	91	4538	0.622	ug/l	93
79) tert-butylbenzene	11.713	119	3690	0.477	ug/l	92
80) 1,2,4-Trimethylbenzene	11.756	105	3795	0.500	ug/l	96
81) sec-Butylbenzene	11.890	105	5032	0.545	ug/l	100
82) p-Isopropyltoluene	12.006	119	4216	0.555	ug/l	91
83) 1,3-Dichlorobenzene	11.969	146	3151	0.821	ug/l	97
84) 1,4-Dichlorobenzene	12.049	146	3325	0.884	ug/l	97
85) n-Butylbenzene	12.335	91	5092	0.773	ug/l	97
86) Hexachloroethane	12.536	117	835	0.499	ug/l	95
87) 1,2-Dichlorobenzene	12.335	146	2386	0.623	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	12.945	75	441	0.587	ug/l	92
89) 1,2,4-Trichlorobenzene	13.957	180	3403	1.429	ug/l	94
90) Hexachlorobutadiene	13.725	225	874	0.949	ug/l	96
91) Naphthalene	13.774	128	17858	2.005	ug/l	98
92) 1,2,3-Trichlorobenzene	13.957	180	3403	1.405	ug/l	94

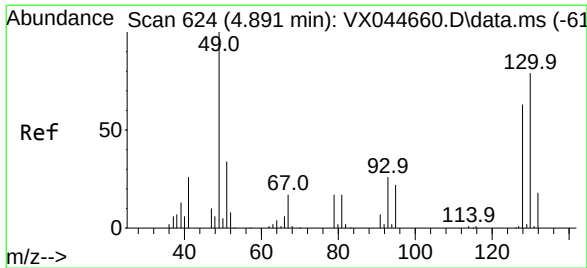
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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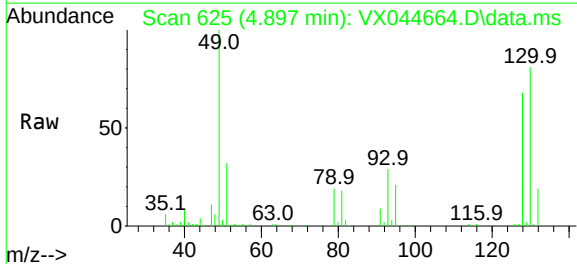
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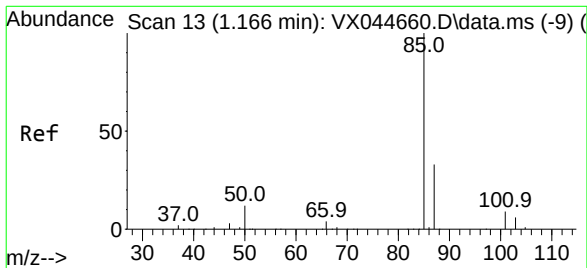
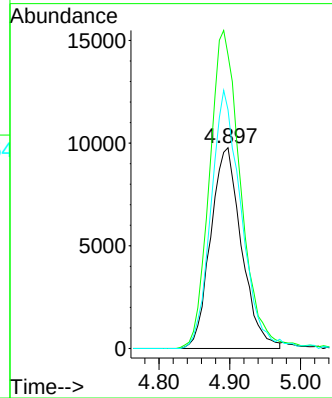
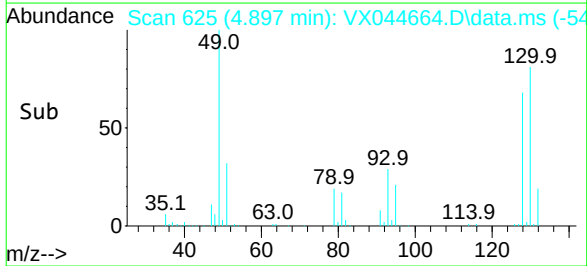


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 62
Delta R.T. 0.006 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

Instrument :
MSVOA_X
ClientSampleId :
IBLK

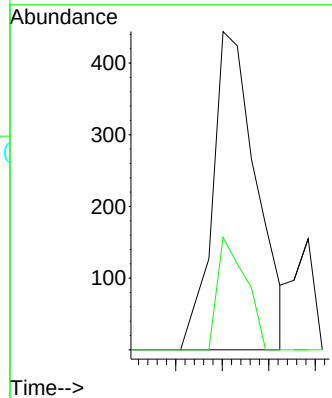
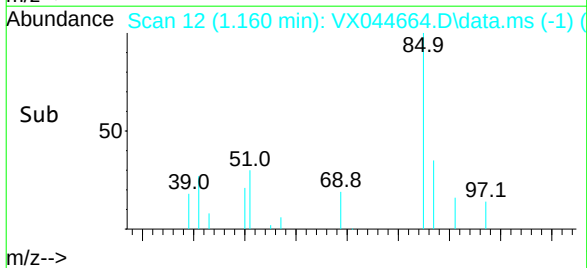
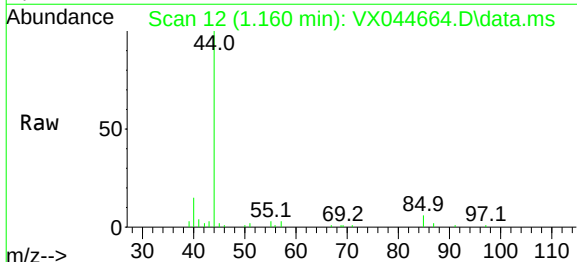


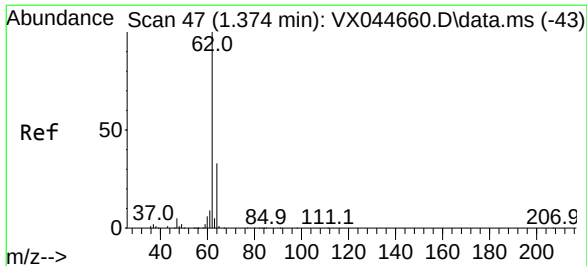
Tgt Ion:128 Resp: 29592
Ion Ratio Lower Upper
128 100
49 159.7 0.0 411.5
130 124.7 0.0 324.3



#2
Dichlorodifluoromethane
Concen: 0.221 ug/l
RT: 1.160 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

Tgt Ion: 85 Resp: 581
Ion Ratio Lower Upper
85 100
87 35.4 16.6 49.8





#4

Vinyl Chloride

Concen: 0.296 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

Instrument :

MSVOA_X

ClientSampleId :

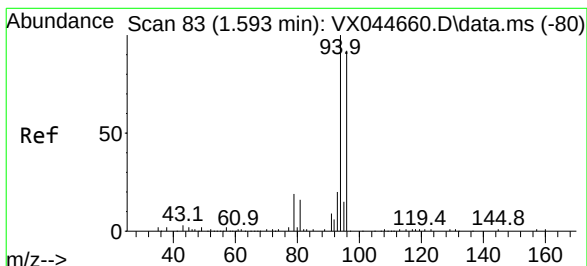
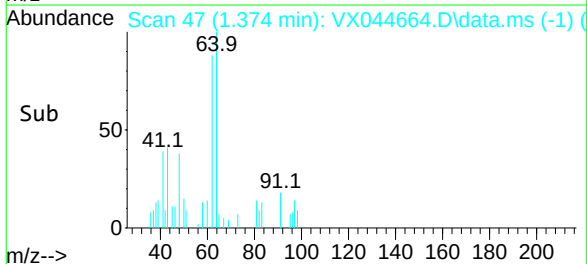
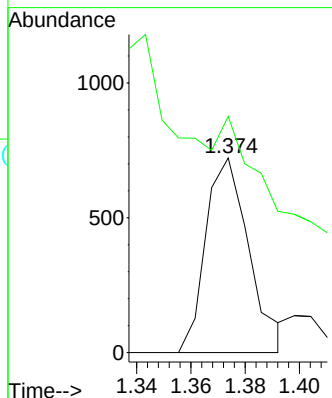
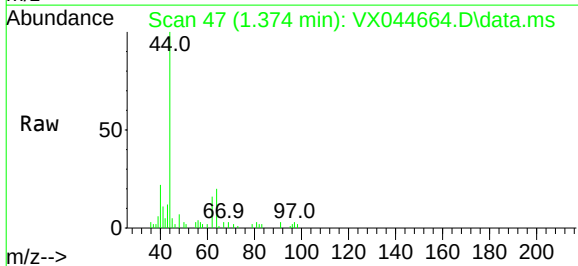
IBLK

Tgt Ion: 62 Resp: 802

Ion Ratio Lower Upper

62 100

64 48.8 27.3 40.9#



#5

Bromomethane

Concen: 0.538 ug/l

RT: 1.593 min Scan# 83

Delta R.T. 0.000 min

Lab File: VX044664.D

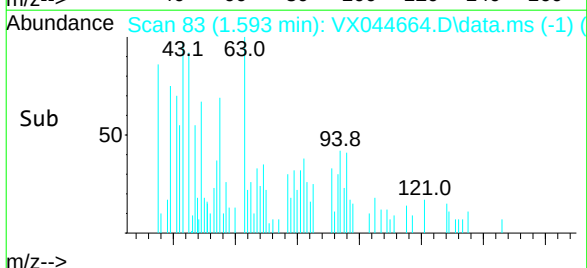
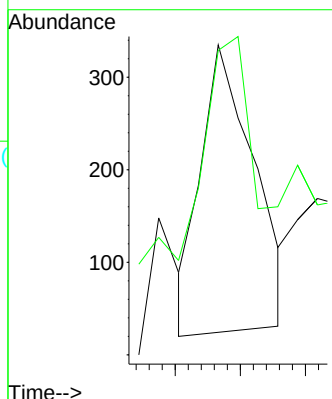
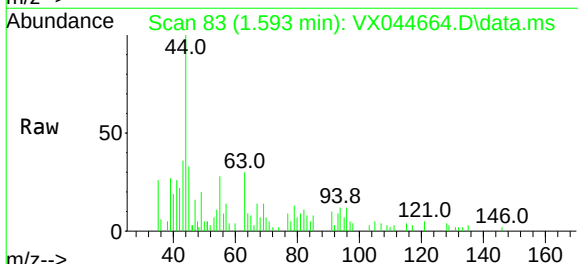
Acq: 16 Jan 2025 10:35

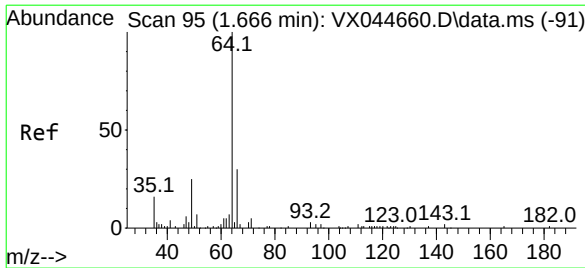
Tgt Ion: 94 Resp: 352

Ion Ratio Lower Upper

94 100

96 92.3 73.3 109.9

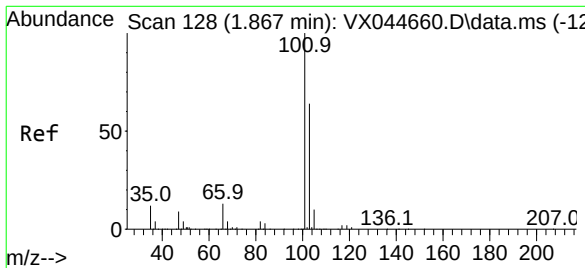
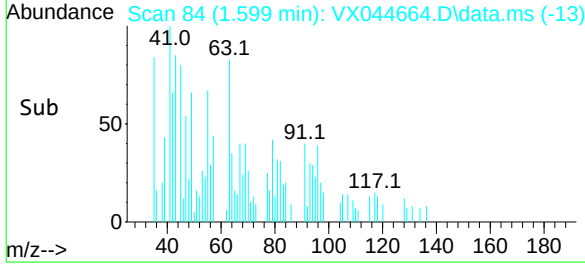
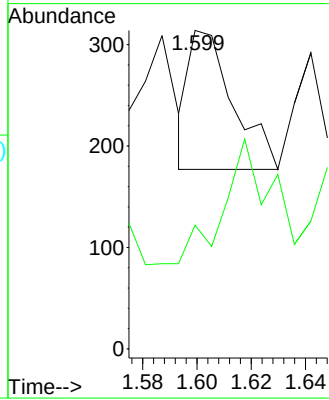
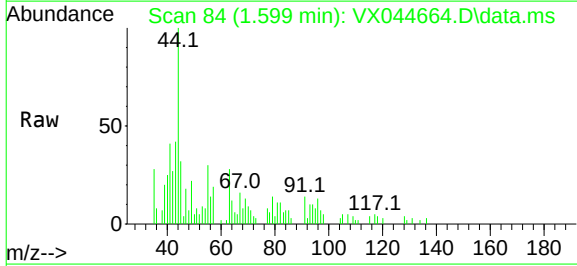




#6
Chloroethane
Concen: 0.361 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.067 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

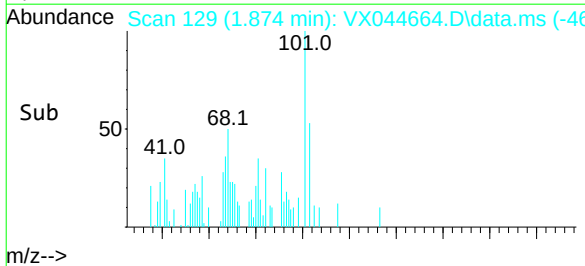
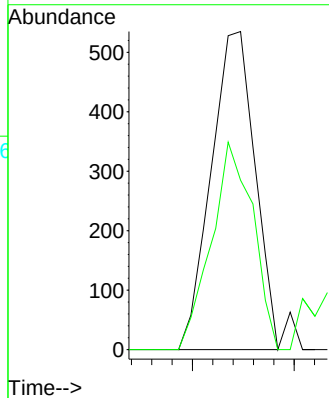
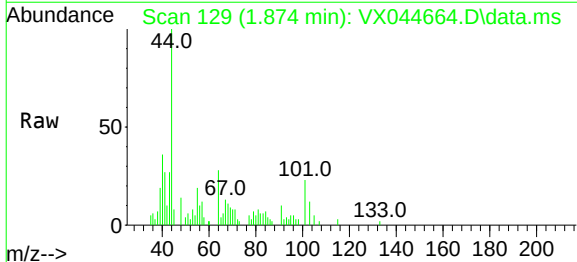
Instrument :
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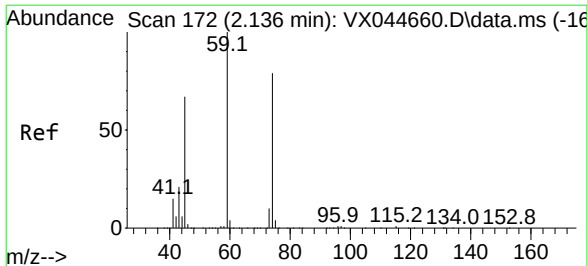
Tgt Ion: 64 Resp: 155
Ion Ratio Lower Upper
64 100
66 27.7 23.8 35.6



#7
Trichlorofluoromethane
Concen: 0.270 ug/l
RT: 1.874 min Scan# 129
Delta R.T. 0.006 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

Tgt Ion: 101 Resp: 800
Ion Ratio Lower Upper
101 100
103 53.3 51.1 76.7

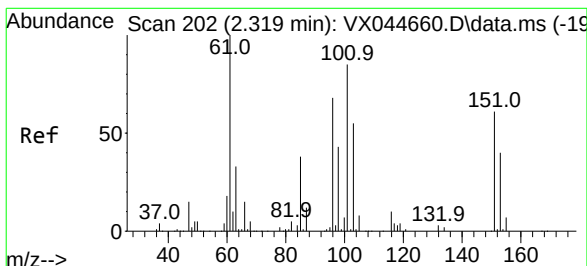
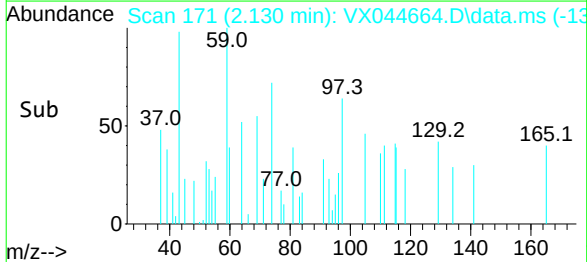
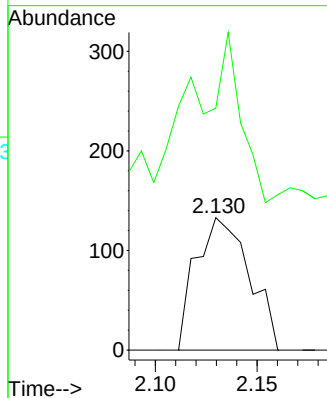
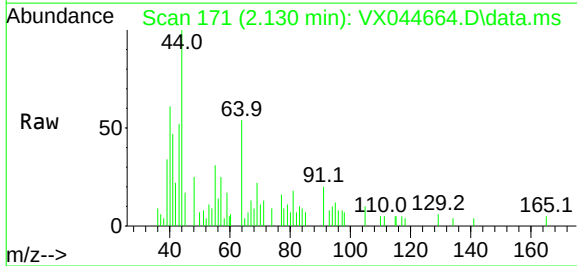




#8
Diethyl Ether
Concen: 0.212 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

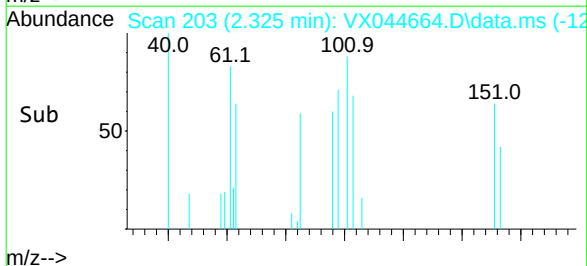
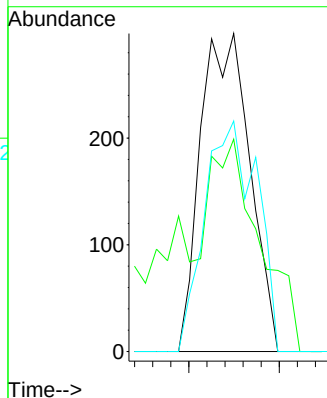
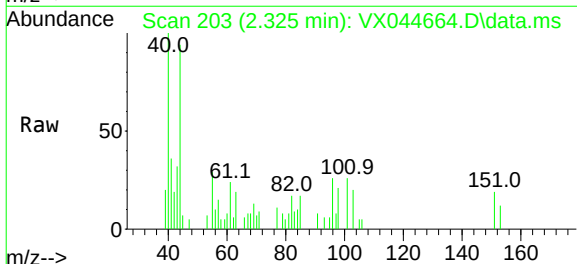
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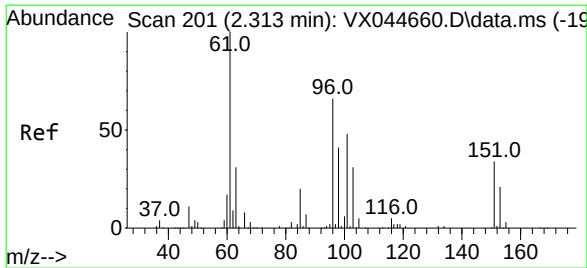
Tgt Ion: 74 Resp: 243
Ion Ratio Lower Upper
74 100
45 60.9 18.8 168.8



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.266 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

Tgt Ion: 101 Resp: 565
Ion Ratio Lower Upper
101 100
85 28.1 0.0 88.0
151 76.5 0.0 147.0

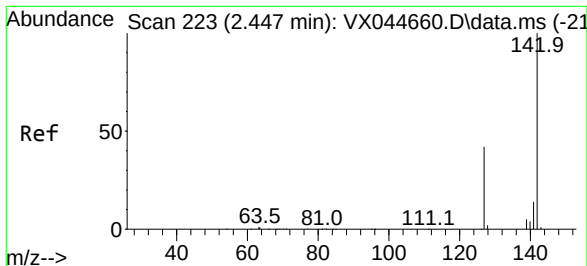
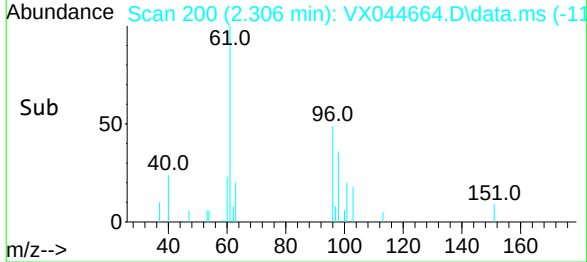
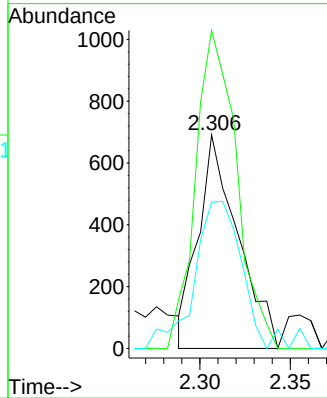
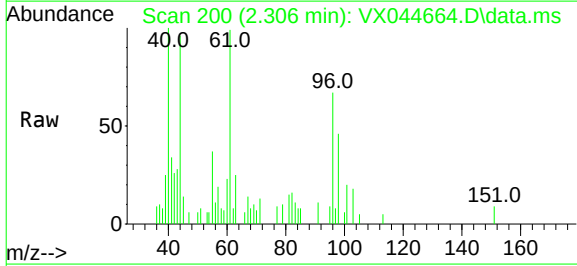




#10
1,1-Dichloroethene
Concen: 0.482 ug/l
RT: 2.306 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX044664.D
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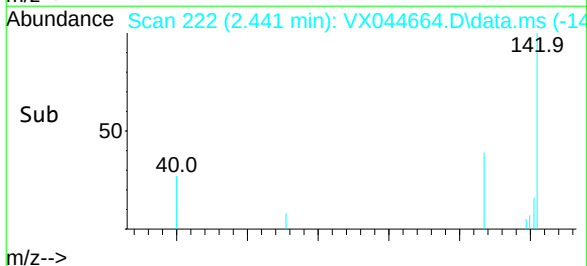
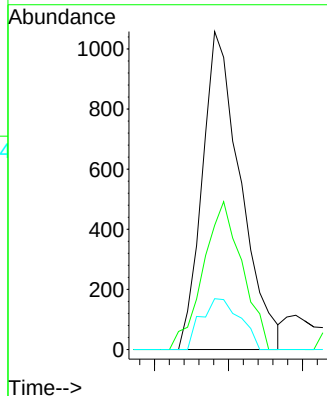
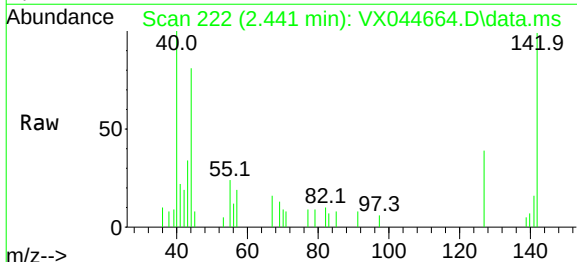
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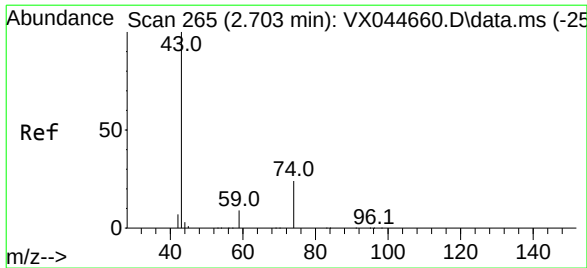
Tgt Ion:	96	Resp:	1053
Ion	Ratio	Lower	Upper
96	100		
61	148.9	121.6	182.4
98	59.5	50.3	75.5



#11
Methyl Iodide
Concen: 0.627 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
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Tgt Ion:	142	Resp:	1899
Ion	Ratio	Lower	Upper
142	100		
127	37.7	20.8	62.4
141	16.6	7.0	20.9

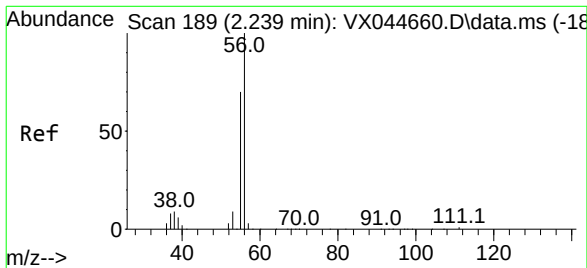
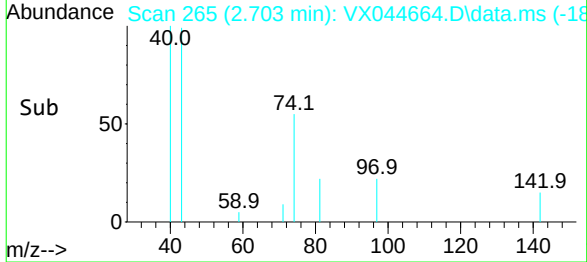
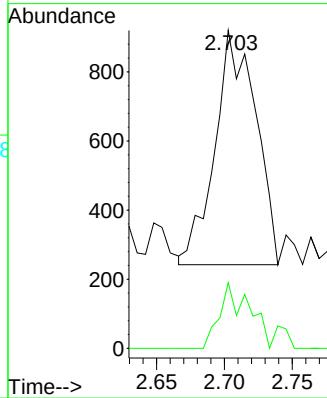
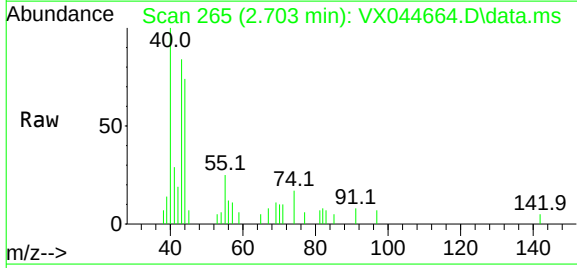




#12
Methyl Acetate
Concen: 0.445 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
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Acq: 16 Jan 2025 10:35

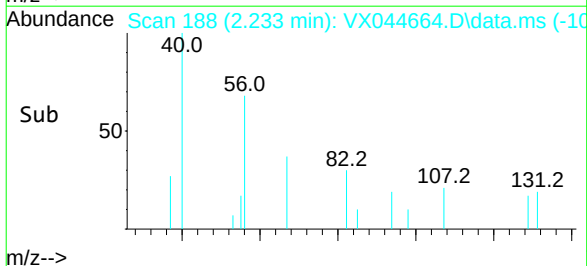
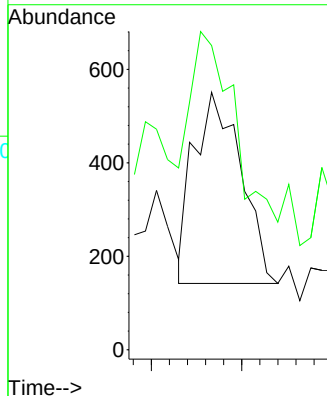
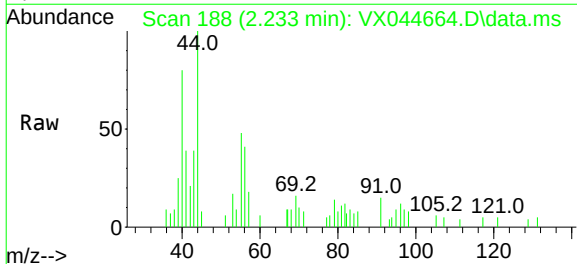
Instrument :
MSVOA_X
ClientSampleId :
IBLK

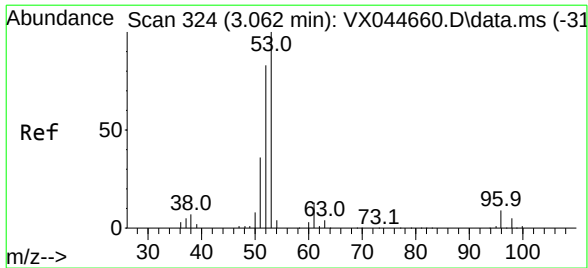
Tgt Ion: 43 Resp: 1421
Ion Ratio Lower Upper
43 100
74 23.7 19.4 29.2



#13
Acrolein
Concen: 2.105 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

Tgt Ion: 56 Resp: 743
Ion Ratio Lower Upper
56 100
55 67.6 57.5 86.3

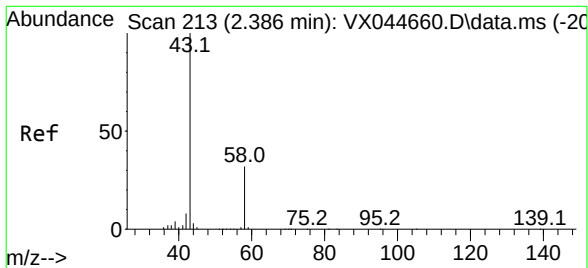
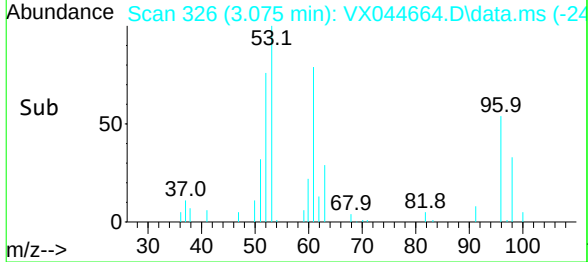
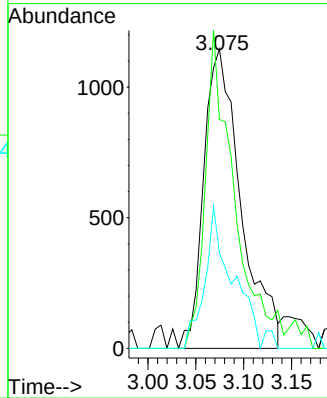
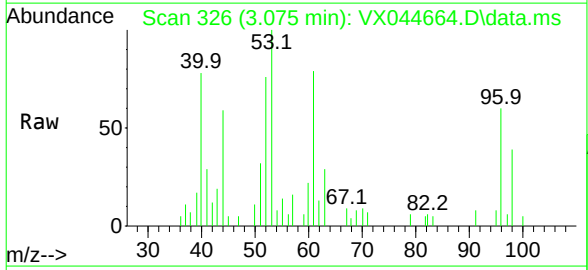




#14
Acrylonitrile
Concen: 2.663 ug/l
RT: 3.075 min Scan# 32
Delta R.T. 0.012 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

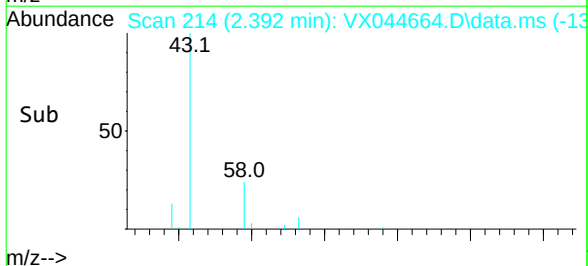
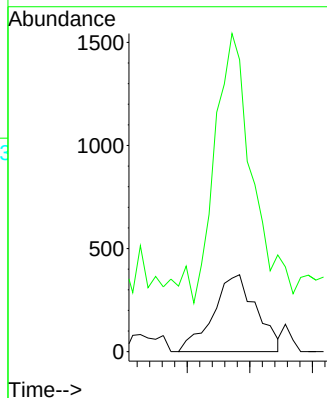
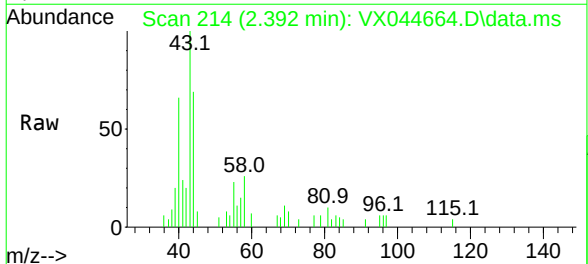
Instrument :
MSVOA_X
ClientSampleId :
IBLK

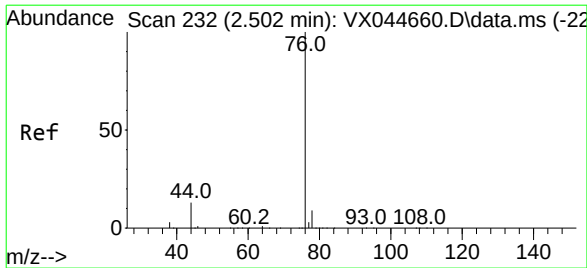
Tgt Ion: 53 Resp: 3097
Ion Ratio Lower Upper
53 100
52 80.7 41.4 124.2
51 35.1 18.1 54.4



#15
Acetone
Concen: 2.865 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

Tgt Ion: 58 Resp: 894
Ion Ratio Lower Upper
58 100
43 294.4 251.0 376.4

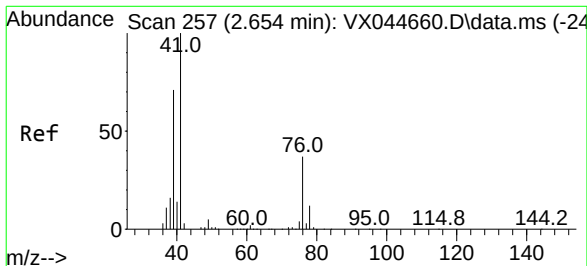
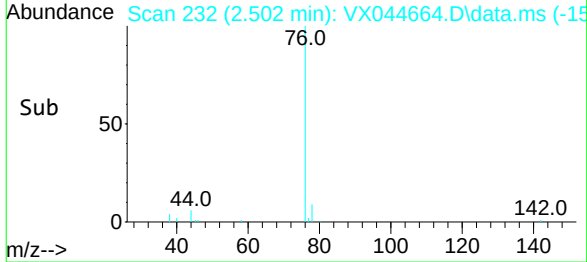
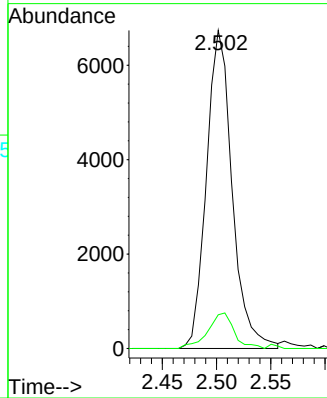
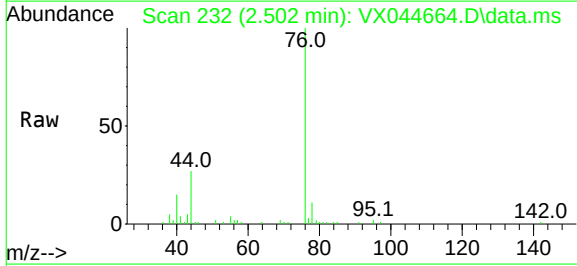




#16
Carbon Disulfide
Concen: 1.831 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

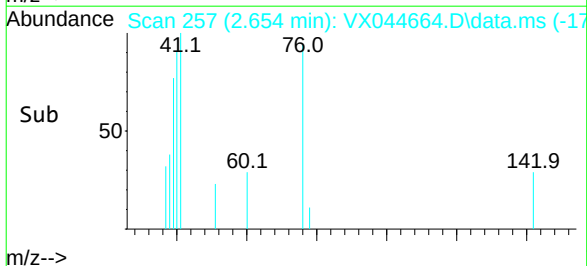
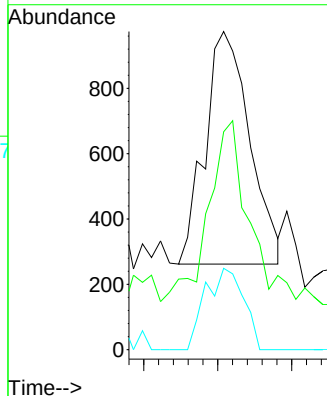
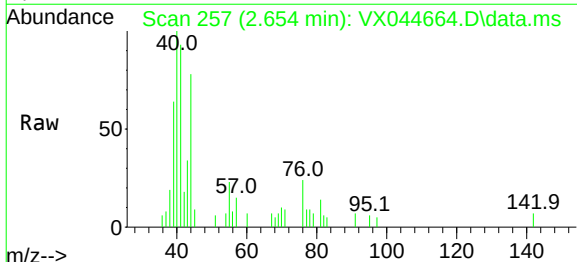
Instrument :
MSVOA_X
ClientSampleId :
IBLK

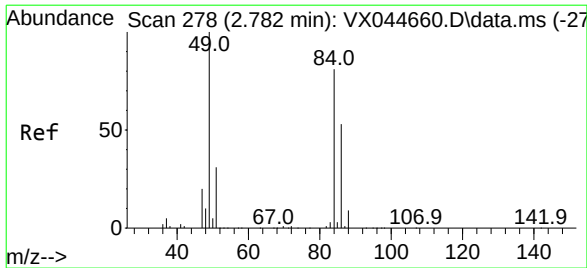
Tgt Ion: 76 Resp: 11122
Ion Ratio Lower Upper
76 100
78 10.6 7.3 10.9



#17
Allyl chloride
Concen: 0.379 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

Tgt Ion: 41 Resp: 1494
Ion Ratio Lower Upper
41 100
39 63.3 35.6 106.8
76 35.0 18.9 56.5

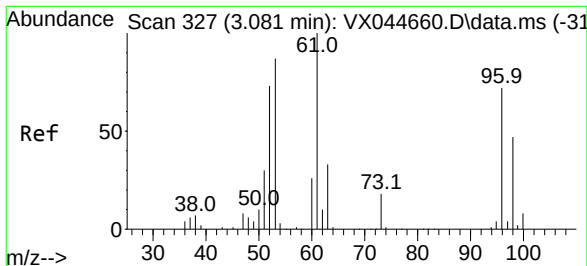
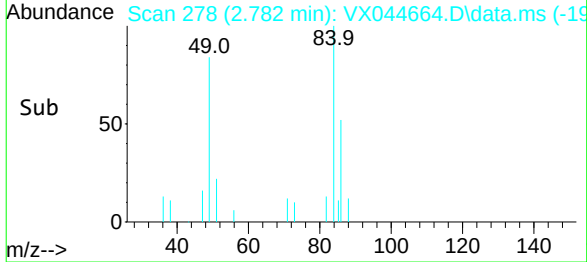
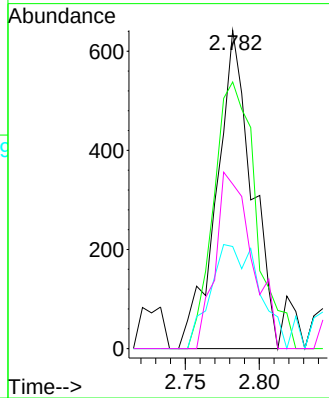
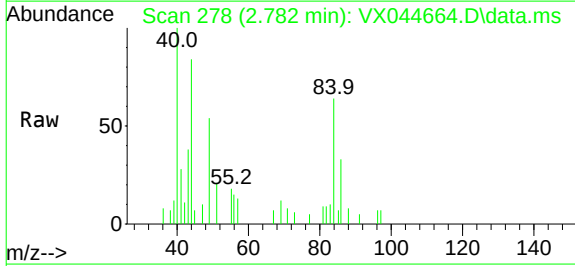




#18
Methylene Chloride
Concen: 0.435 ug/l
RT: 2.782 min Scan# 27
Delta R.T. 0.000 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

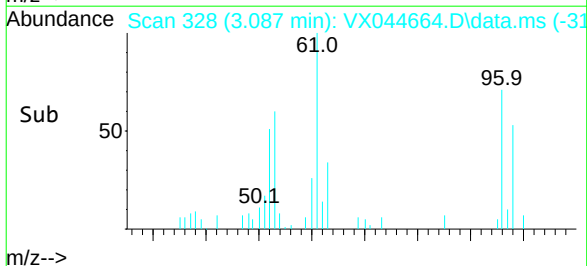
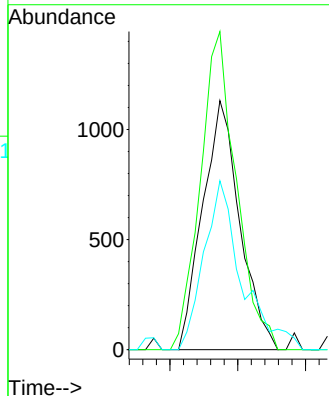
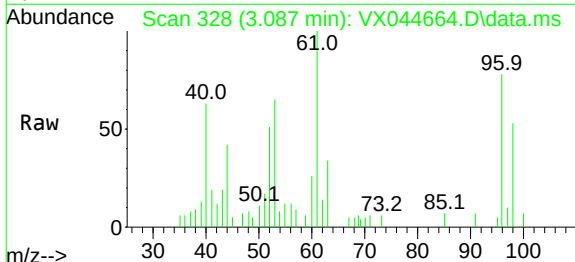
Instrument :
MSVOA_X
ClientSampleId :
IBLK

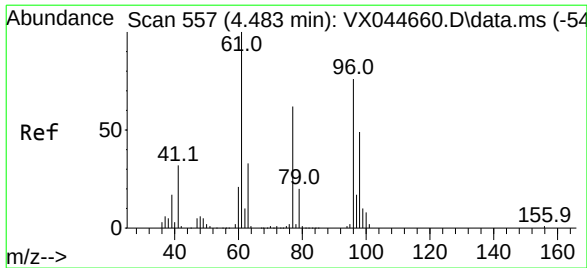
Tgt Ion:	84	Resp:	1063
Ion	Ratio	Lower	Upper
84	100		
49	83.8	98.3	147.5#
51	32.1	30.6	46.0
86	51.7	52.6	78.8#



#19
trans-1,2-Dichloroethene
Concen: 0.992 ug/l
RT: 3.087 min Scan# 328
Delta R.T. 0.006 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

Tgt Ion:	96	Resp:	2157
Ion	Ratio	Lower	Upper
96	100		
61	127.8	111.5	167.3
98	67.8	52.6	79.0

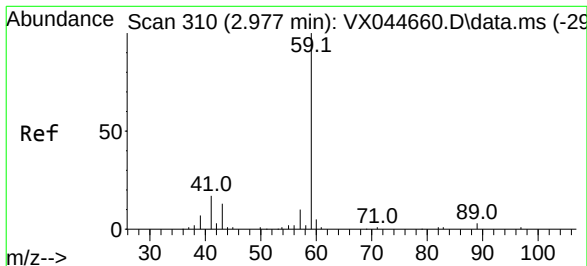
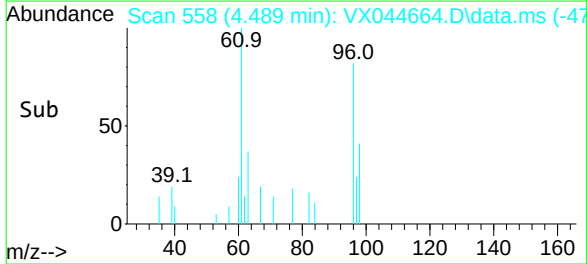
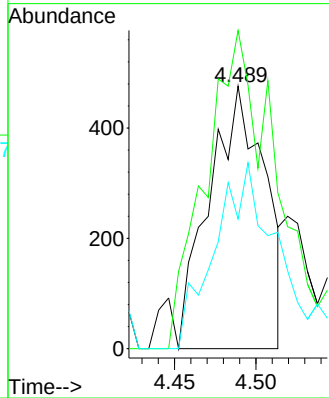
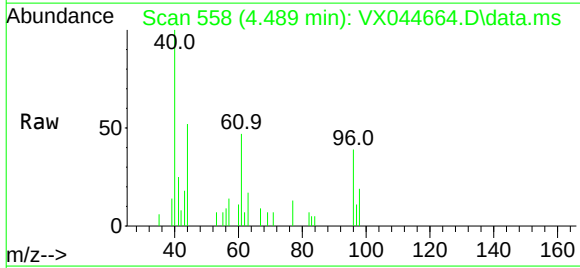




#22
 cis-1,2-Dichloroethene
 Concen: 0.422 ug/l
 RT: 4.489 min Scan# 557
 Delta R.T. 0.006 min
 Lab File: VX044664.D
 Acq: 16 Jan 2025 10:35

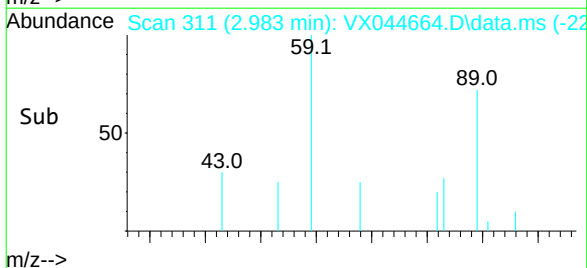
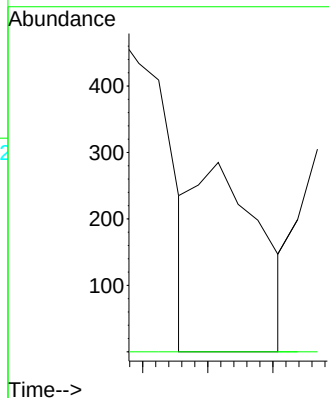
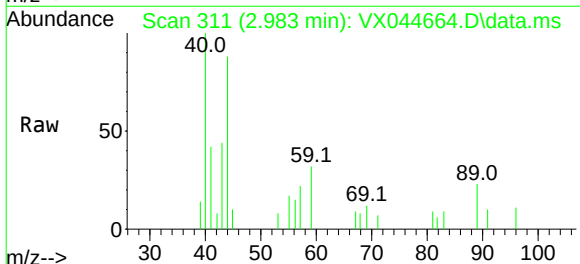
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

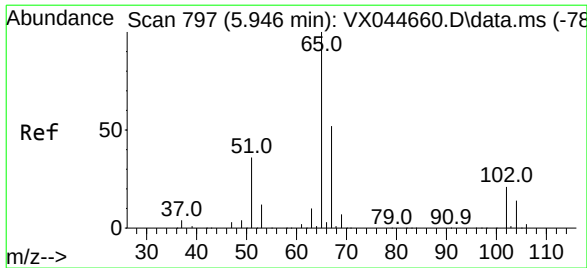
Tgt Ion: 96 Resp: 1134
 Ion Ratio Lower Upper
 96 100
 61 105.3 115.2 172.8#
 98 52.8 51.8 77.6



#23
 tert-Butyl Alcohol
 Concen: 0.717 ug/l
 RT: 2.983 min Scan# 311
 Delta R.T. 0.006 min
 Lab File: VX044664.D
 Acq: 16 Jan 2025 10:35

Tgt Ion: 59 Resp: 403
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

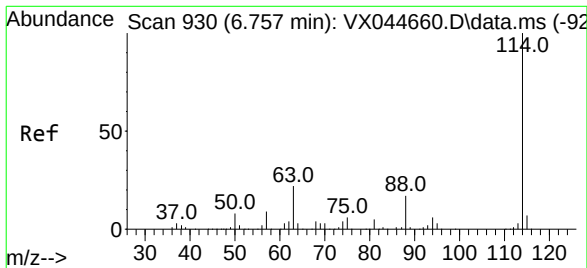
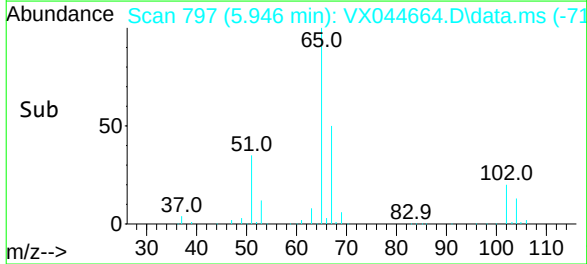
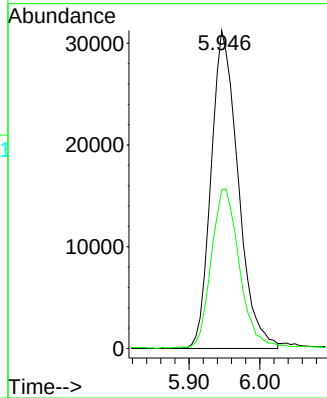
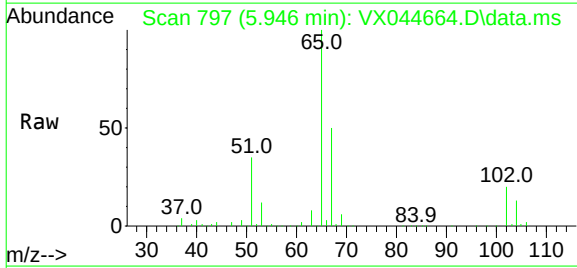




#27
1,2-Dichloroethane-d4
Concen: 29.053 ug/l
RT: 5.946 min Scan# 79
Delta R.T. 0.000 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

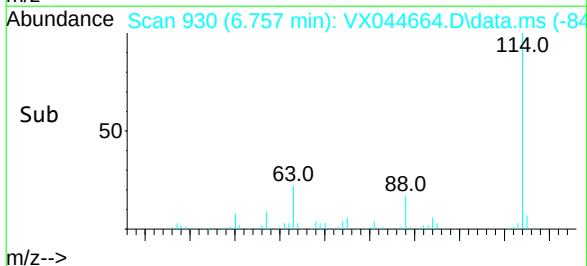
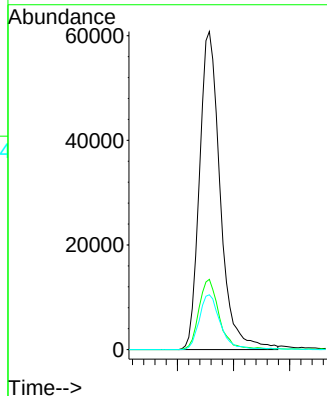
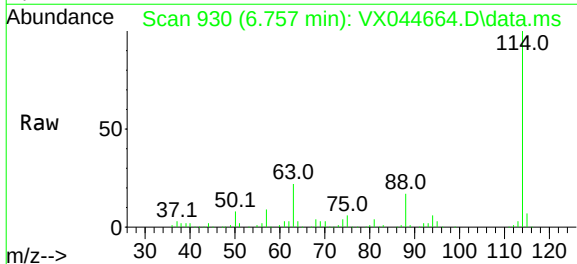
Instrument :
MSVOA_X
ClientSampleId :
IBLK

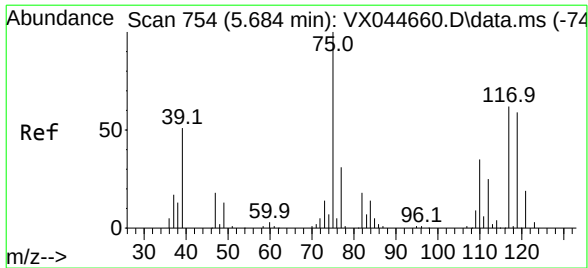
Tgt Ion: 65 Resp: 82998
Ion Ratio Lower Upper
65 100
67 52.0 41.4 62.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

Tgt Ion: 114 Resp: 156280
Ion Ratio Lower Upper
114 100
63 21.4 16.6 24.8
88 17.3 13.4 20.2

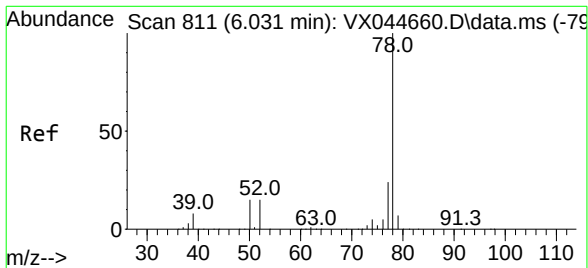
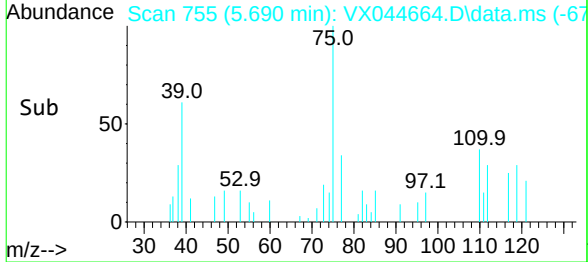
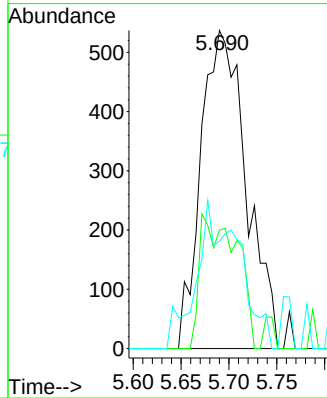
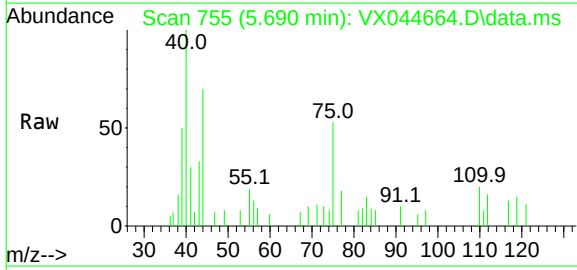




#29
1,1-Dichloropropene
Concen: 0.652 ug/l
RT: 5.690 min Scan# 75
Delta R.T. 0.006 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

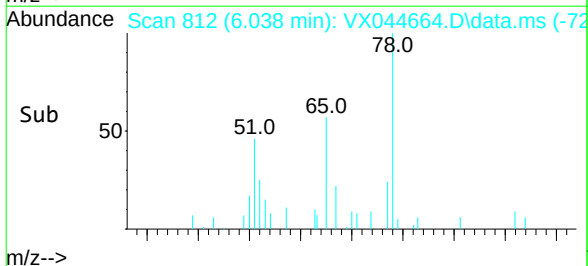
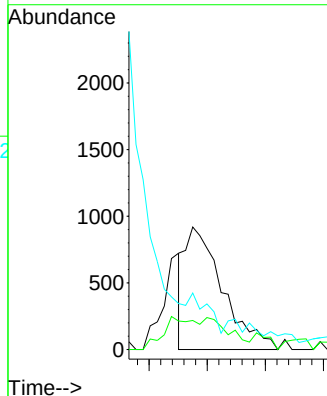
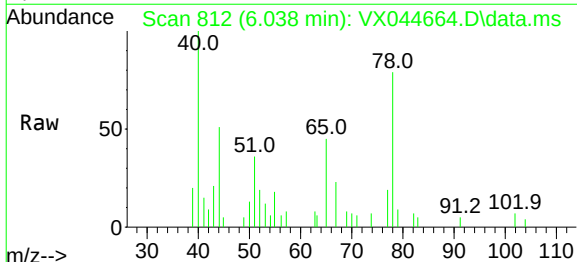
Instrument :
MSVOA_X
ClientSampleId :
IBLK

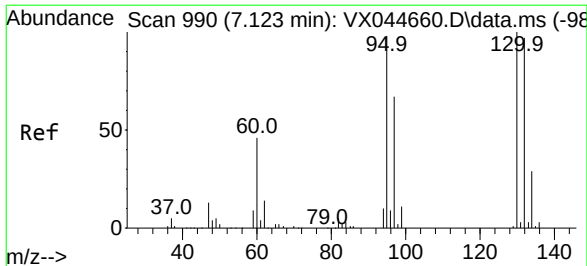
Tgt Ion:	75	Resp:	1772
Ion	Ratio	Lower	Upper
75	100		
110	3.8	0.0	69.4
77	0.0	0.0	59.8



#34
Benzene
Concen: 0.238 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

Tgt Ion:	78	Resp:	2066
Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.3	28.9
51	34.9	12.7	19.1#

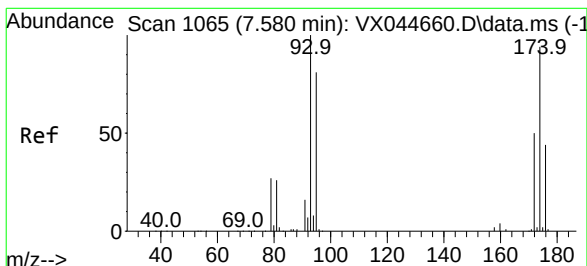
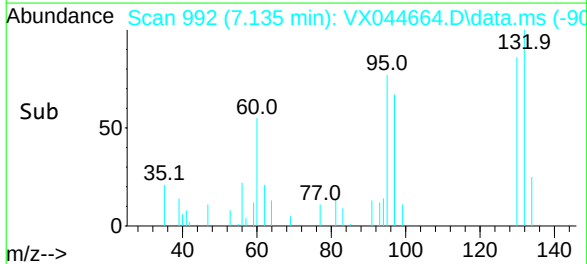
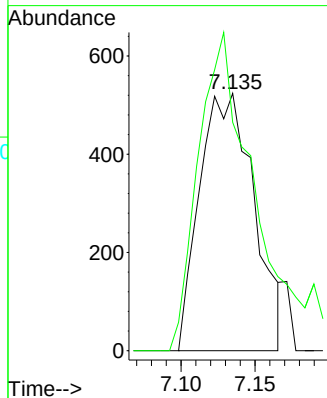
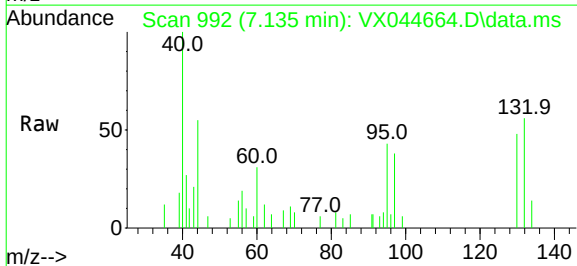




#37
Trichloroethene
Concen: 0.641 ug/l
RT: 7.135 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

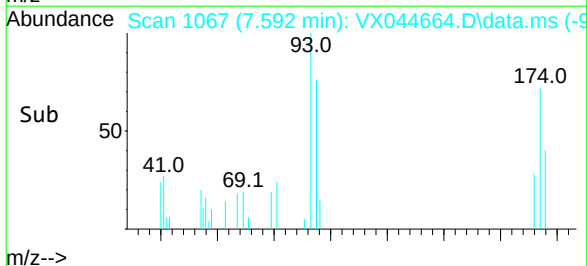
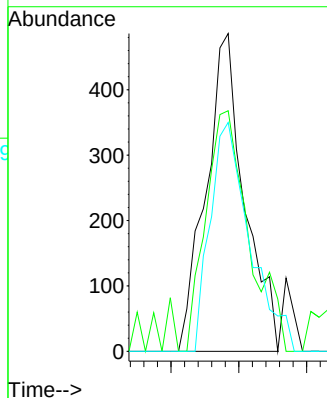
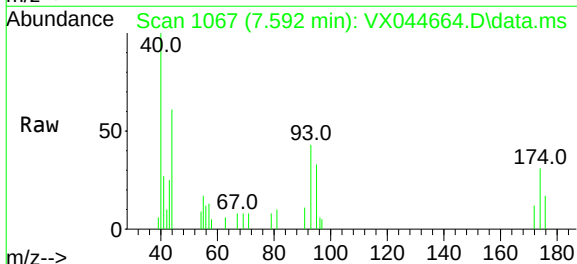
Instrument :
MSVOA_X
ClientSampleId :
IBLK

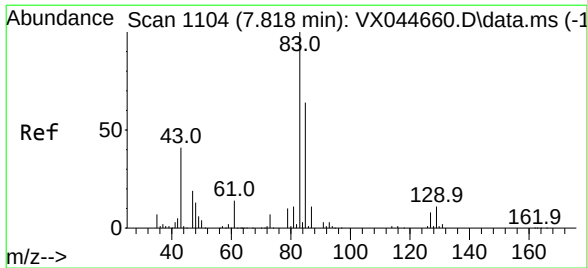
Tgt Ion:130 Resp: 1343
Ion Ratio Lower Upper
130 100
95 77.7 78.2 117.4#



#40
Dibromomethane
Concen: 0.596 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. 0.012 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

Tgt Ion: 93 Resp: 959
Ion Ratio Lower Upper
93 100
95 76.7 0.0 167.0
174 72.2 0.0 182.0





#41

Bromodichloromethane

Concen: 0.287 ug/l

RT: 7.836 min Scan# 11

Delta R.T. 0.018 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

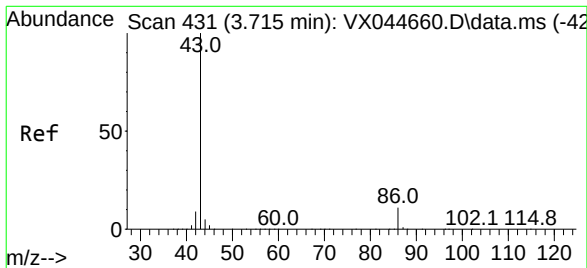
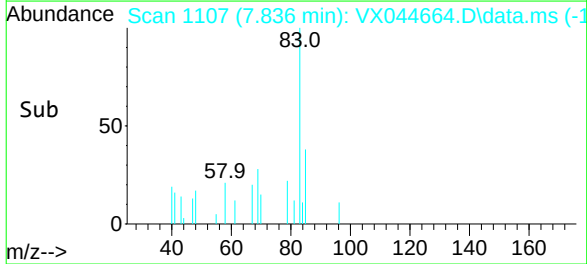
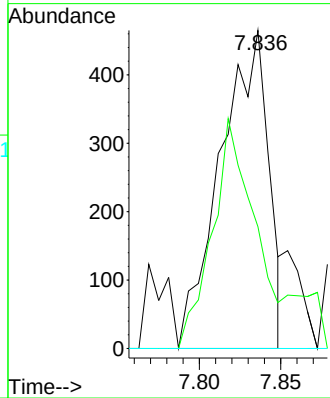
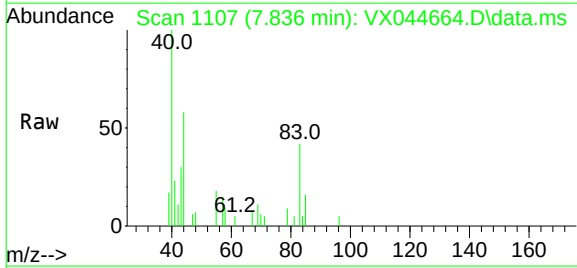
Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion:	83	Resp:	954
Ion	Ratio	Lower	Upper
83	100		
85	38.3	50.9	76.3#
127	0.0	6.5	9.7#



#42

Vinyl Acetate

Concen: 1.053 ug/l

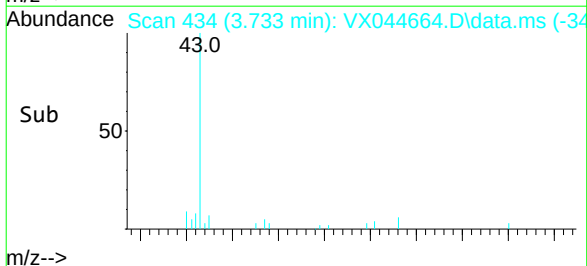
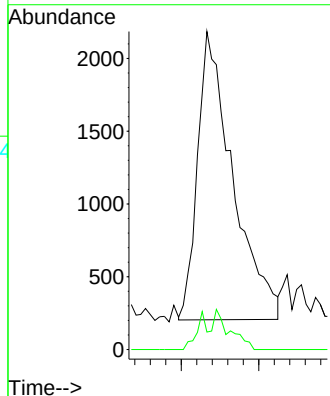
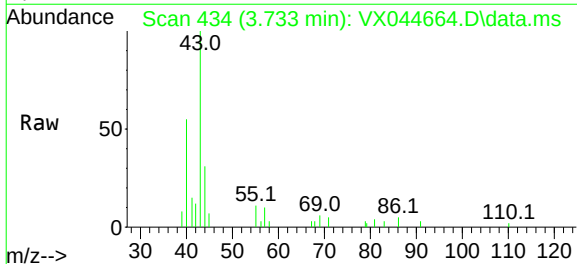
RT: 3.733 min Scan# 434

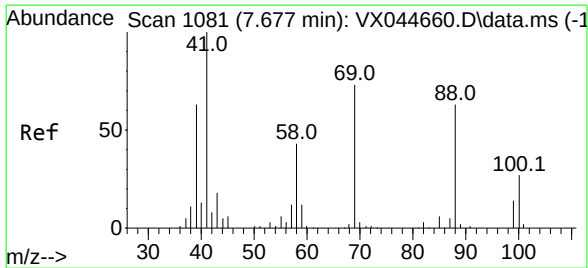
Delta R.T. 0.018 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

Tgt Ion:	43	Resp:	6247
Ion	Ratio	Lower	Upper
43	100		
86	3.6	8.0	12.0#

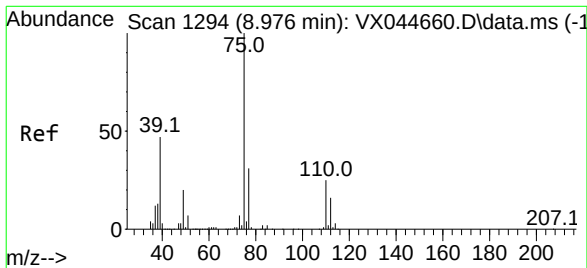
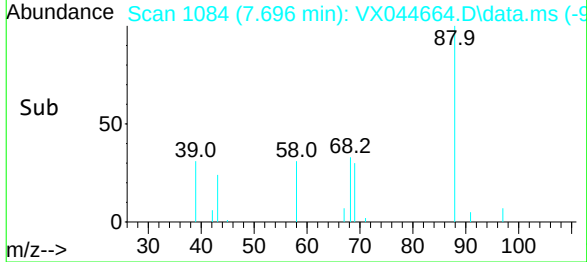
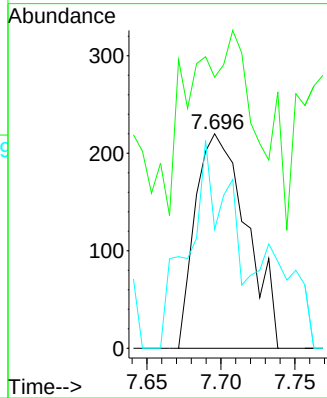
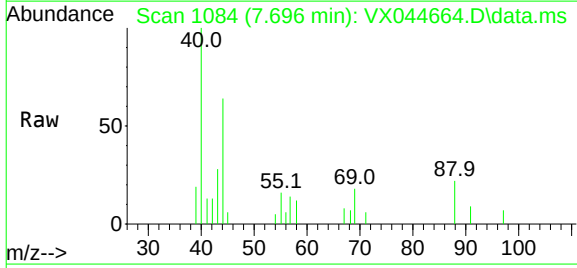




#45
1,4-Dioxane
Concen: 10.557 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.018 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

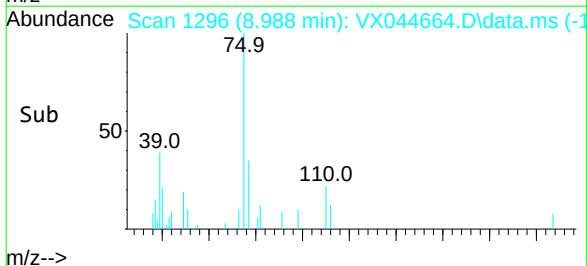
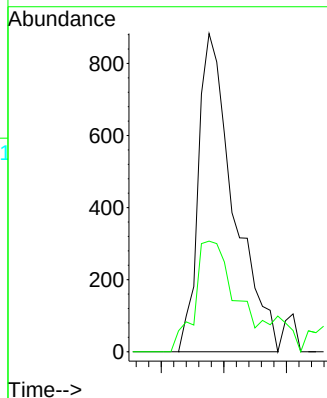
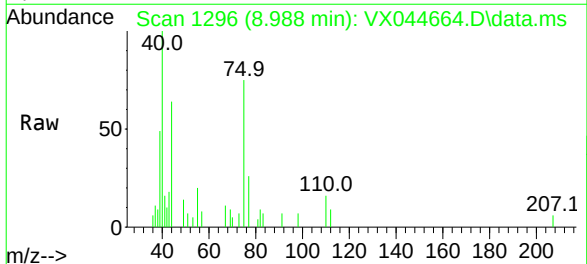
Instrument :
MSVOA_X
ClientSampleId :
IBLK

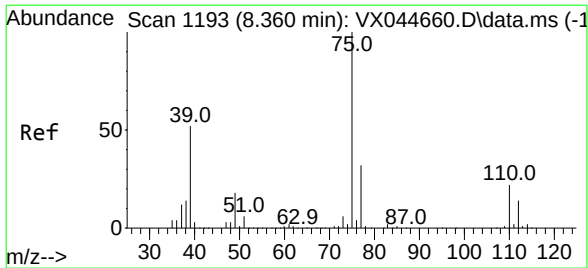
Tgt Ion:	88	Resp:	529
Ion	Ratio	Lower	Upper
88	100		
43	9.1	25.9	38.9#
58	21.9	58.9	88.3#



#48
t-1,3-Dichloropropene
Concen: 0.493 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.012 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

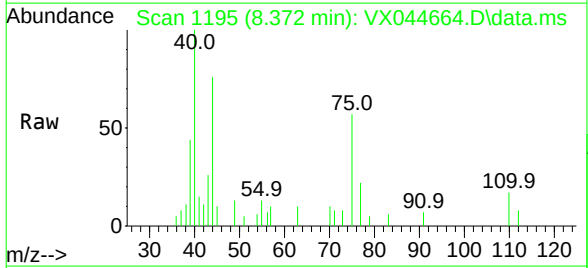
Tgt Ion:	75	Resp:	1727
Ion	Ratio	Lower	Upper
75	100		
77	28.2	24.8	37.2



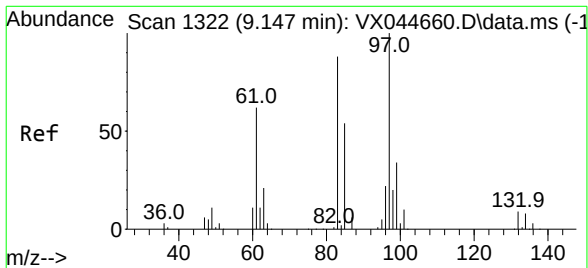
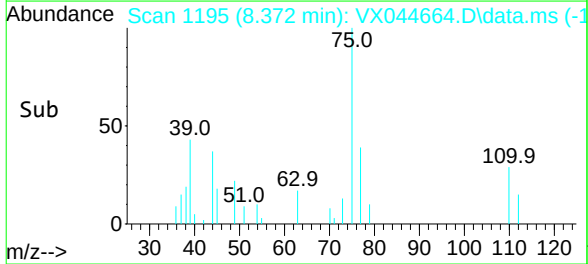
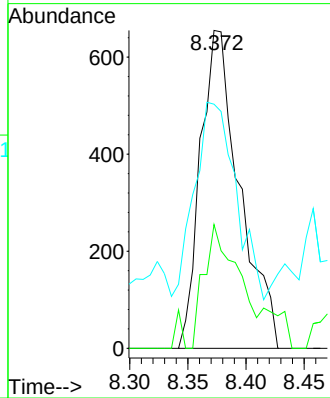


#49
 cis-1,3-Dichloropropene
 Concen: 0.409 ug/l
 RT: 8.372 min Scan# 1195
 Delta R.T. 0.012 min
 Lab File: VX044664.D
 Acq: 16 Jan 2025 10:35

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

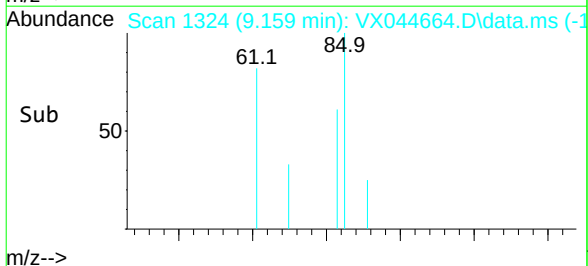
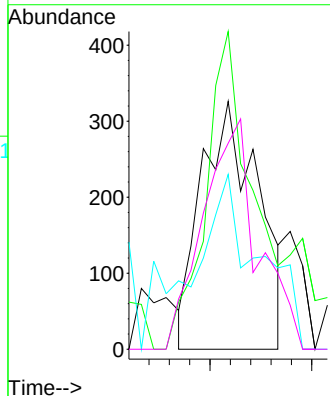
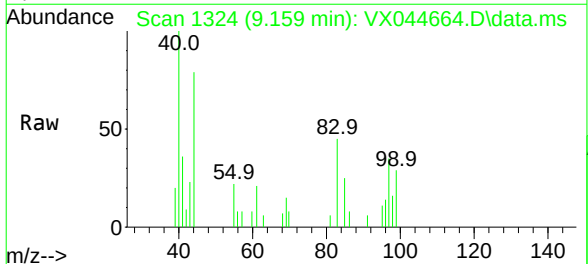


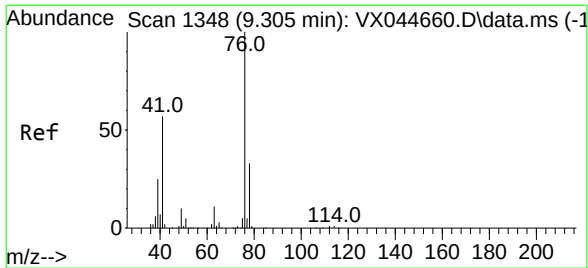
Tgt Ion:	75	Resp:	1535
Ion	Ratio	Lower	Upper
75	100		
77	28.7	25.4	38.0
39	56.6	41.4	62.0



#50
 1,1,2-Trichloroethane
 Concen: 0.308 ug/l
 RT: 9.159 min Scan# 1324
 Delta R.T. 0.012 min
 Lab File: VX044664.D
 Acq: 16 Jan 2025 10:35

Tgt Ion:	97	Resp:	638
Ion	Ratio	Lower	Upper
97	100		
83	129.5	69.2	103.8#
85	50.9	44.8	67.2
99	74.5	52.1	78.1

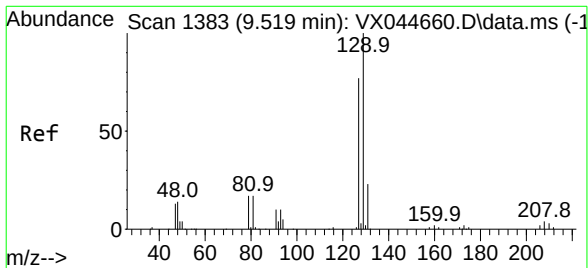
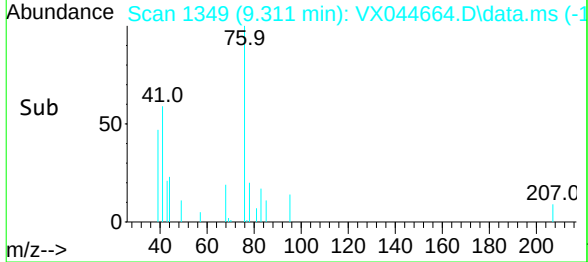
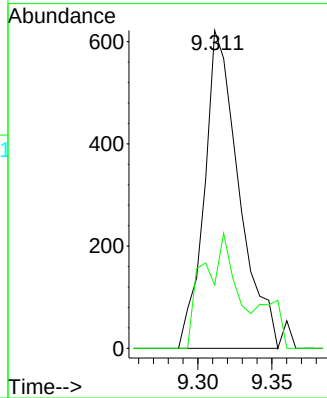
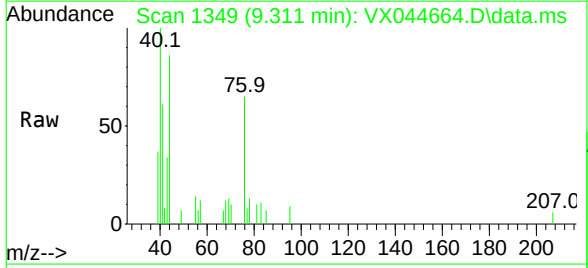




#52
1,3-Dichloropropane
Concen: 0.282 ug/l
RT: 9.311 min Scan# 1348
Delta R.T. 0.006 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

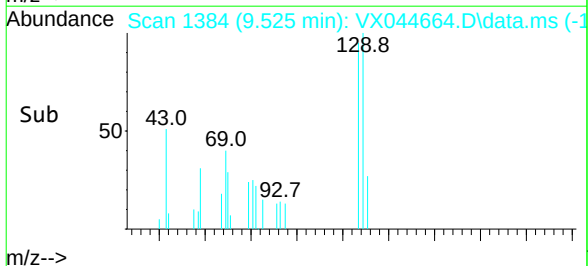
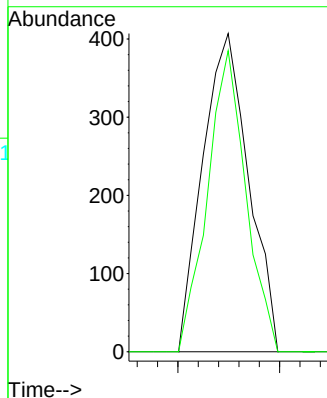
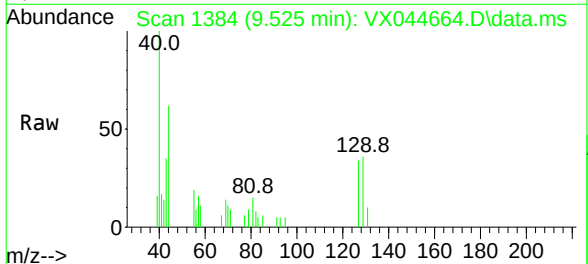
Instrument :
MSVOA_X
ClientSampleId :
IBLK

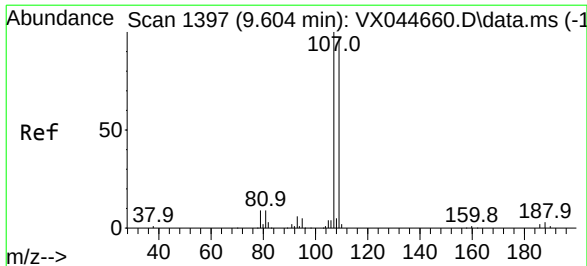
Tgt Ion: 76 Resp: 1011
Ion Ratio Lower Upper
76 100
78 18.6 0.0 64.0



#53
Dibromochloromethane
Concen: 0.258 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

Tgt Ion: 129 Resp: 639
Ion Ratio Lower Upper
129 100
127 78.9 37.8 113.4





#54

1,2-Dibromoethane

Concen: 0.423 ug/l

RT: 9.622 min Scan# 14

Delta R.T. 0.018 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

Instrument :

MSVOA_X

ClientSampleId :

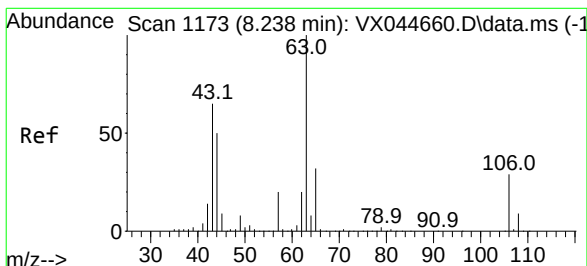
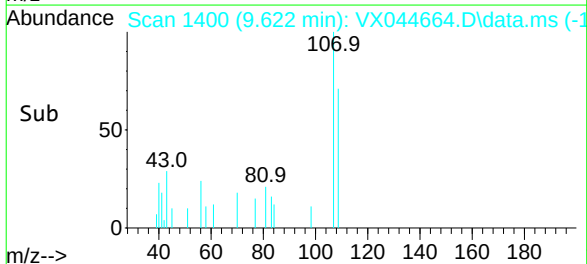
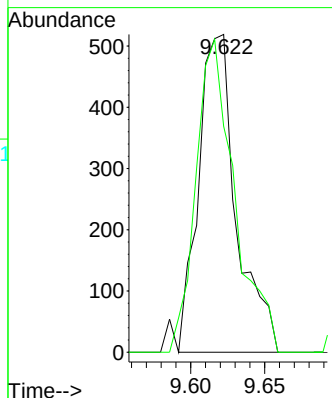
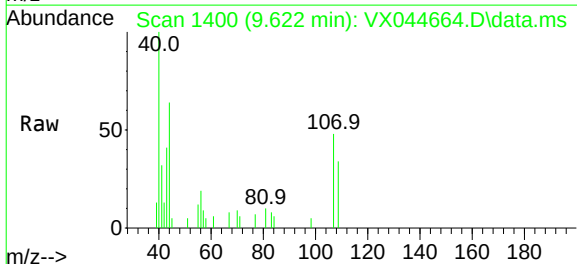
IBLK

Tgt Ion:107 Resp: 926

Ion Ratio Lower Upper

107 100

109 100.8 75.5 113.3



#55

2-Chloroethyl vinyl ether

Concen: 1.921 ug/l

RT: 8.251 min Scan# 1175

Delta R.T. 0.012 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

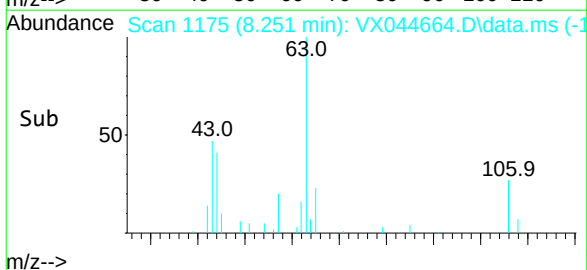
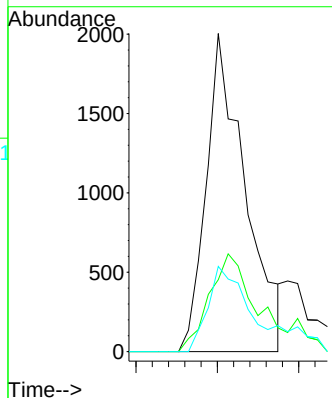
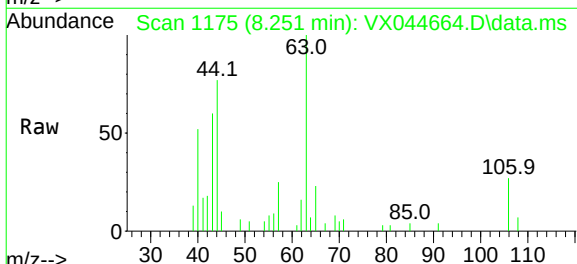
Tgt Ion: 63 Resp: 3353

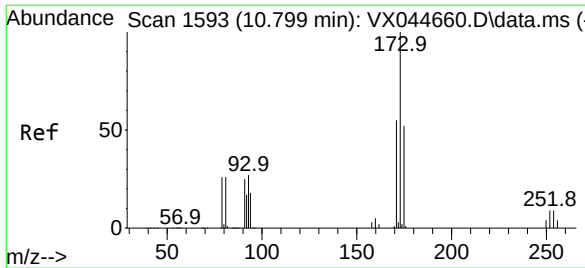
Ion Ratio Lower Upper

63 100

65 36.1 25.8 38.6

106 26.4 23.1 34.7





#56

Bromoform

Concen: 0.325 ug/l

RT: 10.805 min Scan# 1593

Delta R.T. 0.006 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

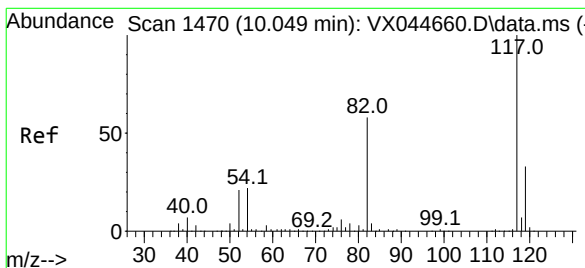
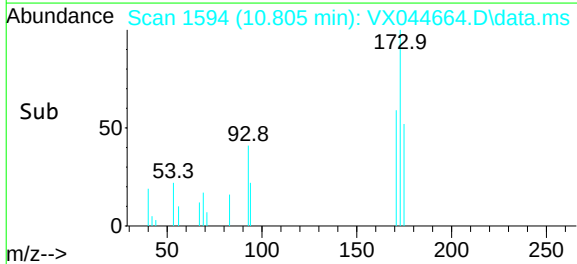
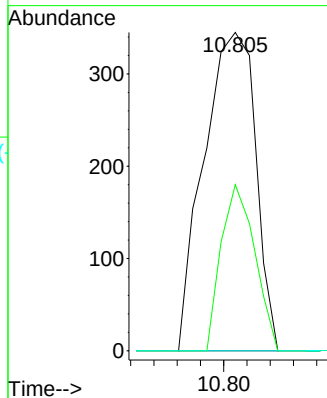
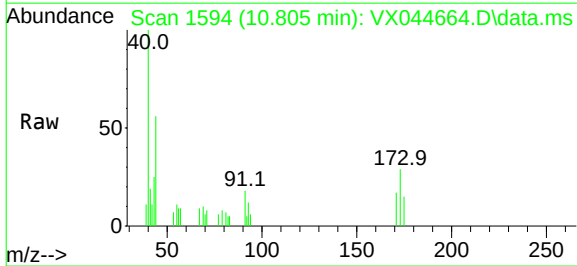
Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion:	173	Resp:	533
Ion	Ratio	Lower	Upper
173	100		
175	34.0	39.0	58.6#
254	0.0	6.5	9.7#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

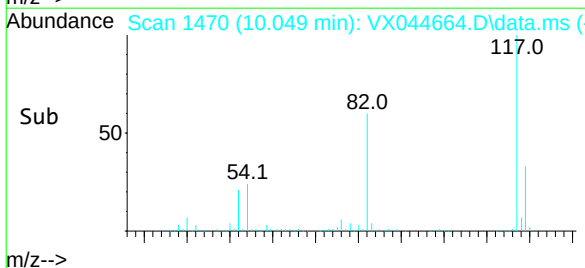
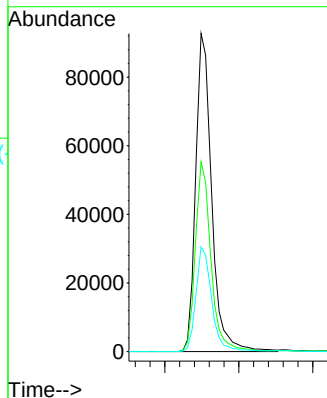
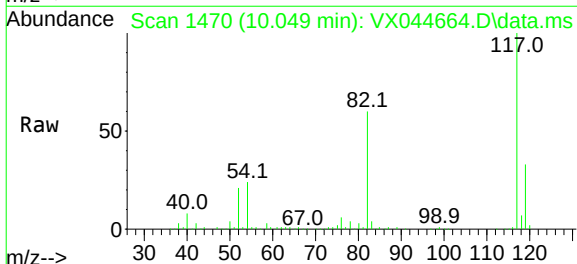
RT: 10.049 min Scan# 1470

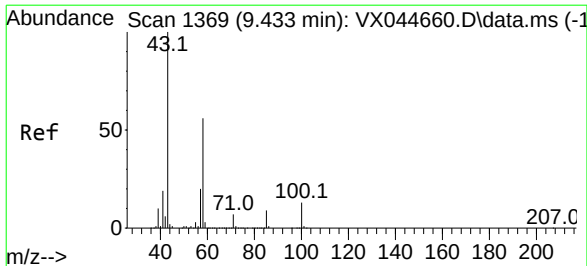
Delta R.T. 0.000 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

Tgt Ion:	117	Resp:	139131
Ion	Ratio	Lower	Upper
117	100		
82	58.2	45.8	68.6
119	32.5	25.8	38.6

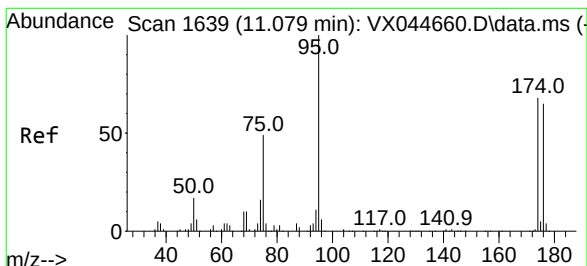
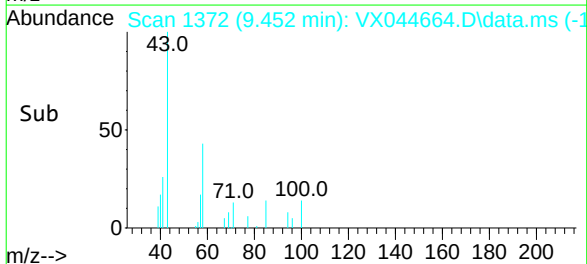
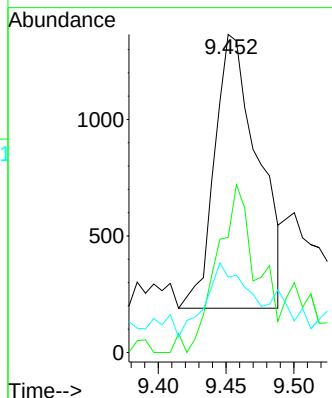
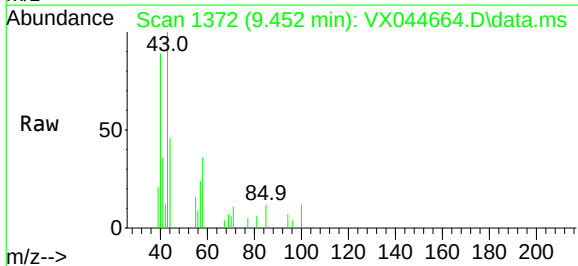




#59
2-Hexanone
Concen: 1.212 ug/l
RT: 9.452 min Scan# 1369
Delta R.T. 0.018 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

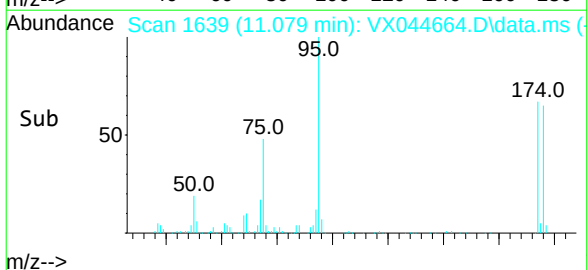
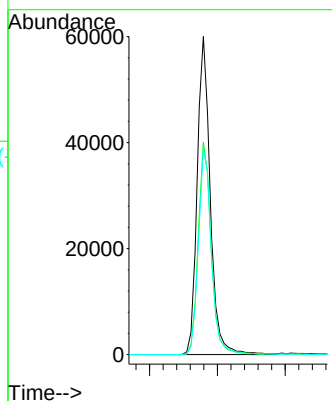
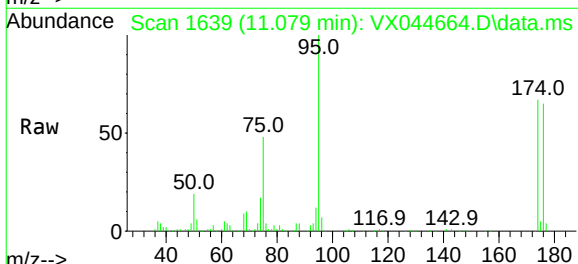
Instrument :
MSVOA_X
ClientSampleId :
IBLK

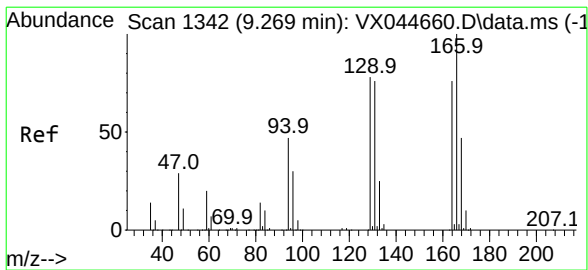
Tgt Ion: 43	Resp: 2602
Ion Ratio	Lower Upper
43 100	
58 44.7	44.4 66.6
57 26.2	15.5 23.3



#60
4-Bromofluorobenzene
Concen: 29.731 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

Tgt Ion: 95	Resp: 80344
Ion Ratio	Lower Upper
95 100	
174 65.9	54.6 81.8
176 64.1	52.8 79.2

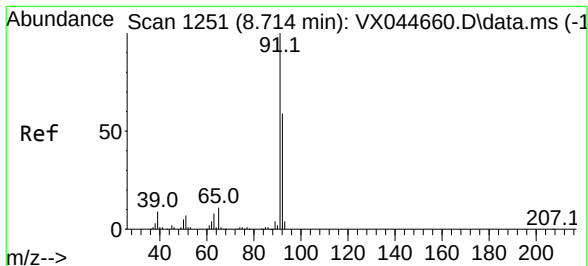
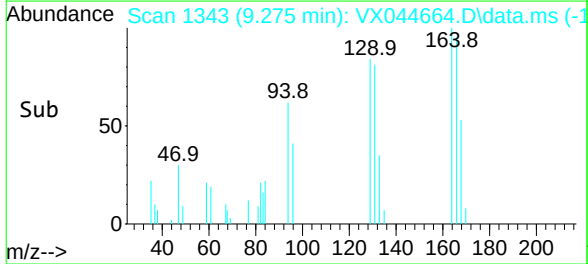
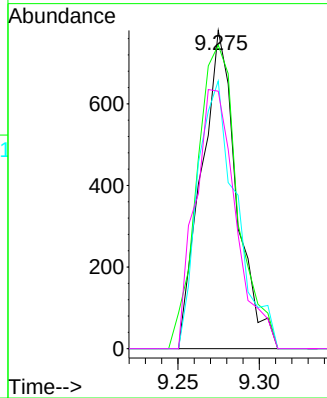
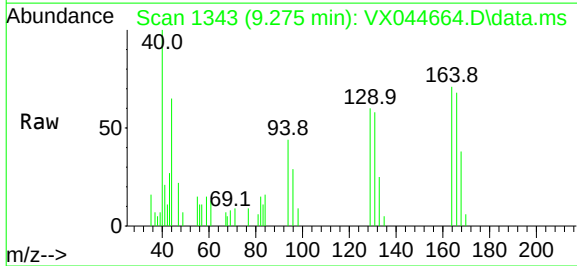




#61
Tetrachloroethene
Concen: 0.702 ug/l
RT: 9.275 min Scan# 131
Delta R.T. 0.006 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

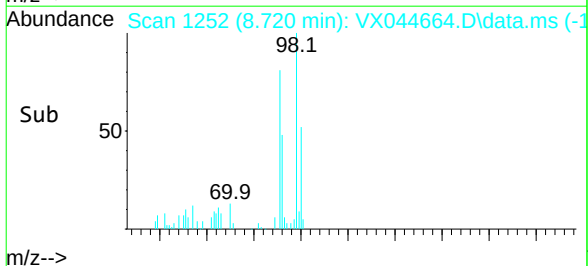
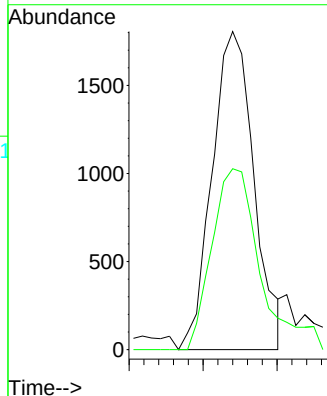
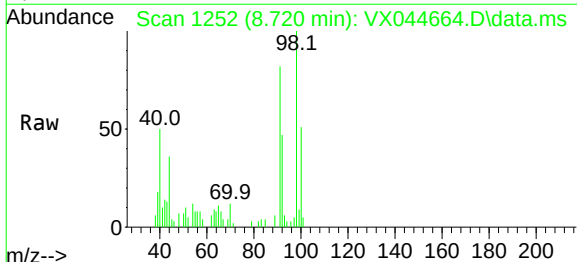
Instrument :
MSVOA_X
ClientSampleId :
IBLK

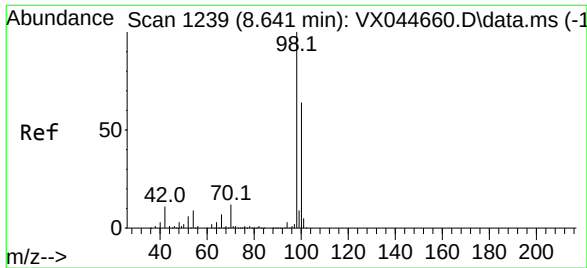
Tgt Ion:	164	Resp:	1172
Ion	Ratio	Lower	Upper
164	100		
166	95.4	105.6	158.4#
129	84.1	82.8	124.2
131	80.9	80.2	120.4



#62
Toluene
Concen: 0.387 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

Tgt Ion:	91	Resp:	3549
Ion	Ratio	Lower	Upper
91	100		
92	62.8	47.3	70.9





#63

Toluene-d8

Concen: 30.767 ug/l

RT: 8.647 min Scan# 12

Delta R.T. 0.006 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

Instrument :

MSVOA_X

ClientSampleId :

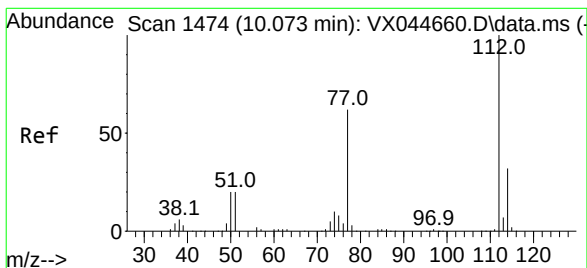
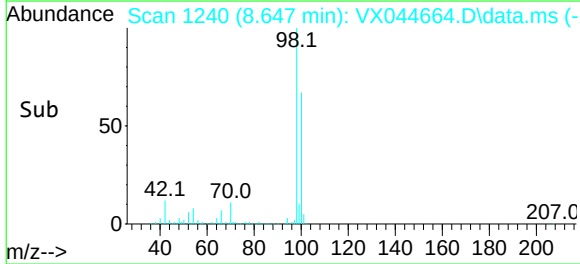
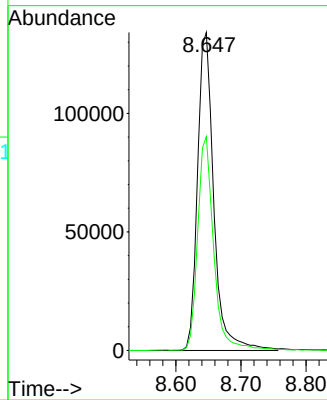
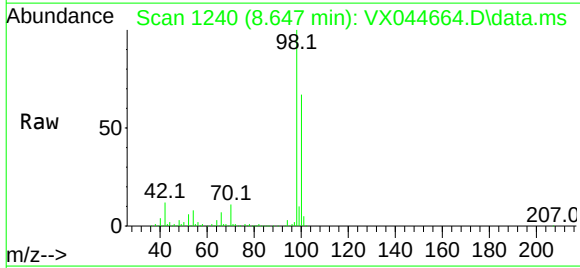
IBLK

Tgt Ion: 98 Resp: 232822

Ion Ratio Lower Upper

98 100

100 65.2 53.6 80.4



#64

Chlorobenzene

Concen: 0.536 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VX044664.D

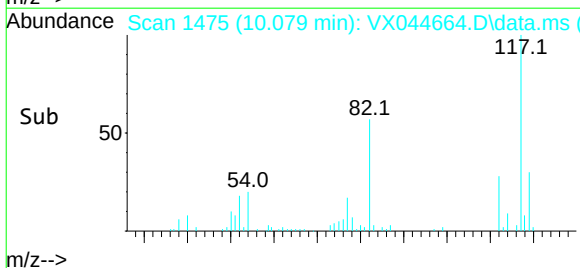
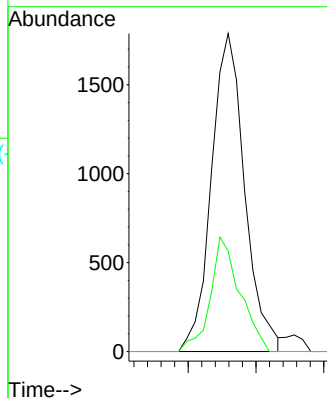
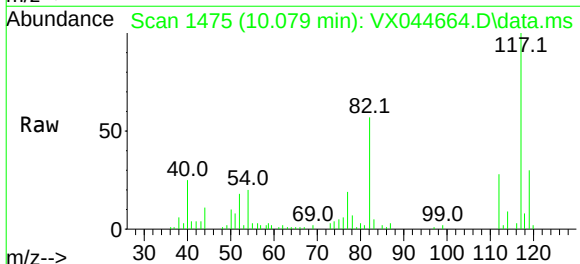
Acq: 16 Jan 2025 10:35

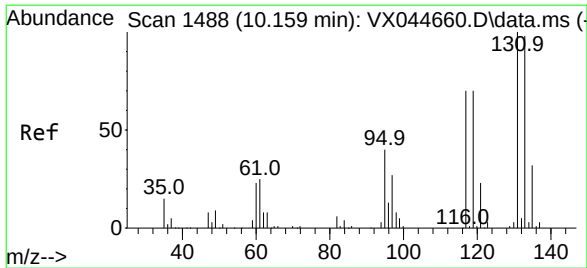
Tgt Ion: 112 Resp: 3052

Ion Ratio Lower Upper

112 100

114 31.6 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 0.266 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

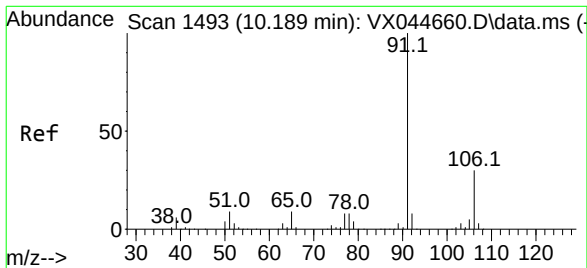
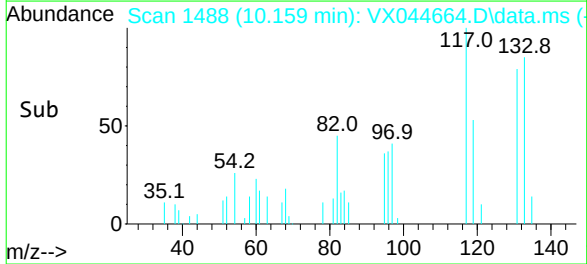
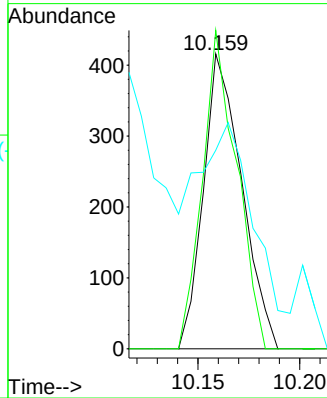
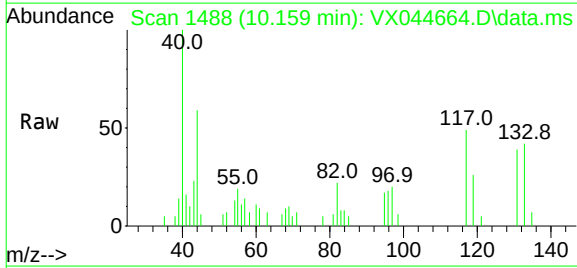
Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion:	131	Resp:	544
Ion	Ratio	Lower	Upper
131	100		
133	96.3	0.0	192.4
119	119.5	0.0	133.4



#66

Ethyl Benzene

Concen: 0.435 ug/l

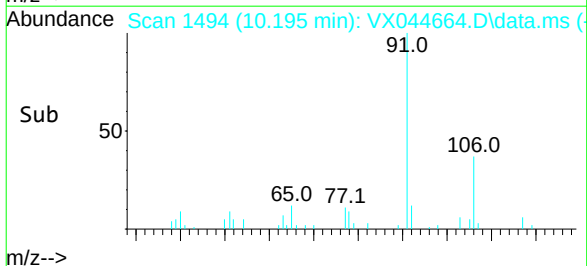
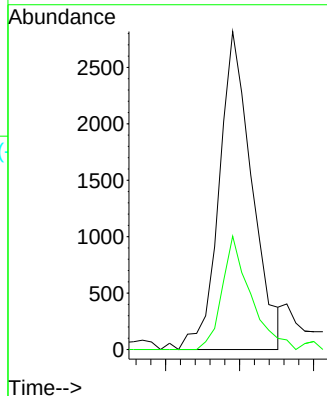
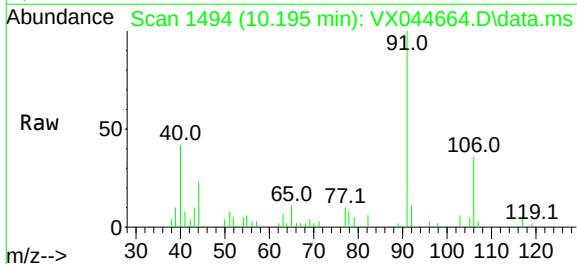
RT: 10.195 min Scan# 1494

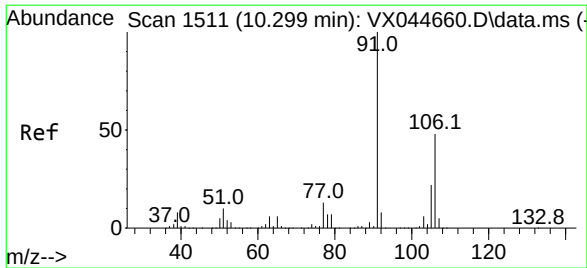
Delta R.T. 0.006 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

Tgt Ion:	91	Resp:	4348
Ion	Ratio	Lower	Upper
91	100		
106	35.7	24.0	36.0

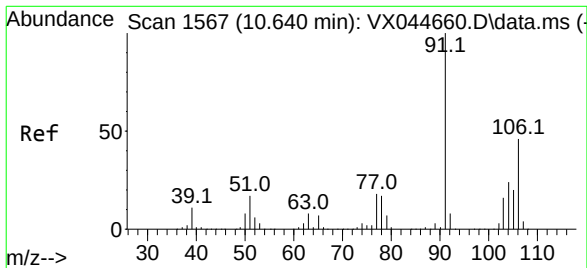
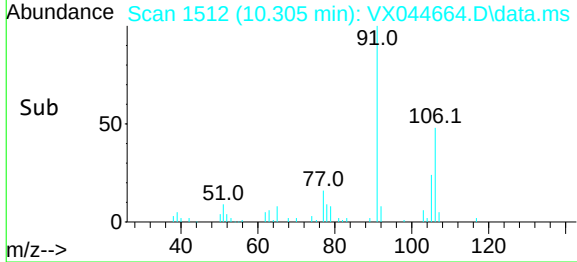
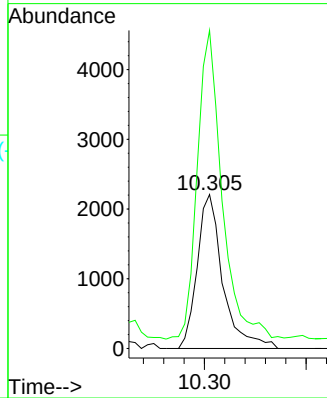
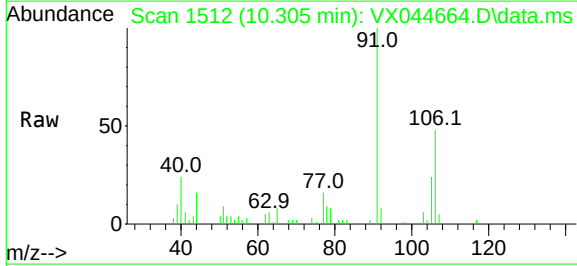




#67
m/p-Xylenes
Concen: 1.051 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

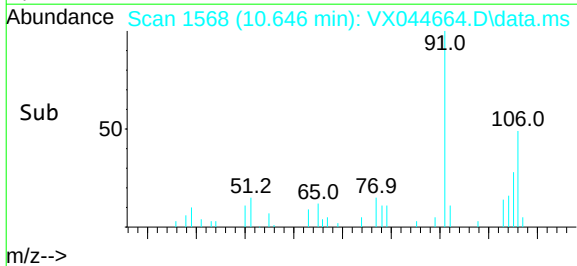
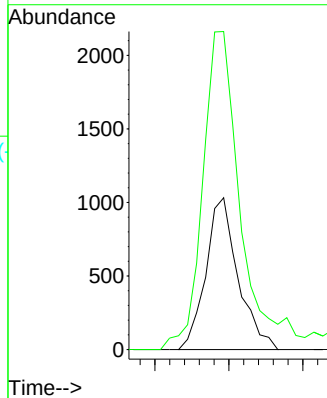
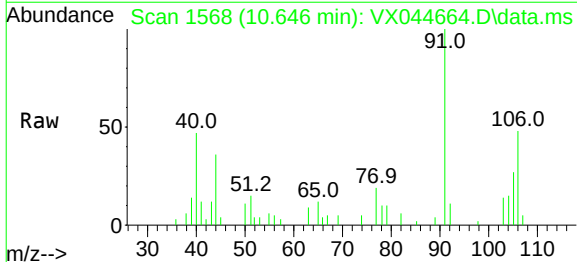
Instrument :
MSVOA_X
ClientSampleId :
IBLK

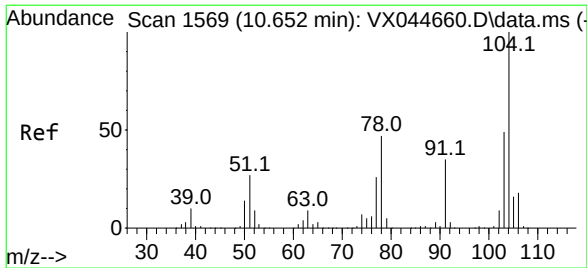
Tgt Ion:106 Resp: 3863
Ion Ratio Lower Upper
106 100
91 184.9 166.8 250.2



#68
o-Xylene
Concen: 0.424 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX044664.D
Acq: 16 Jan 2025 10:35

Tgt Ion:106 Resp: 1564
Ion Ratio Lower Upper
106 100
91 235.8 109.7 329.1





#69

Styrene

Concen: 0.530 ug/l

RT: 10.665 min Scan# 15

Delta R.T. 0.012 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

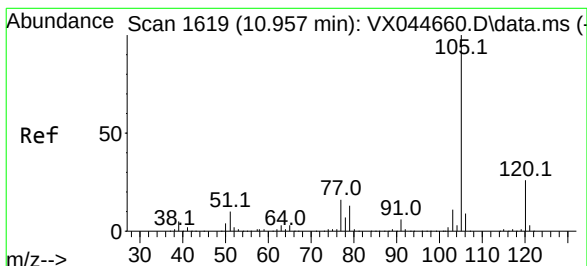
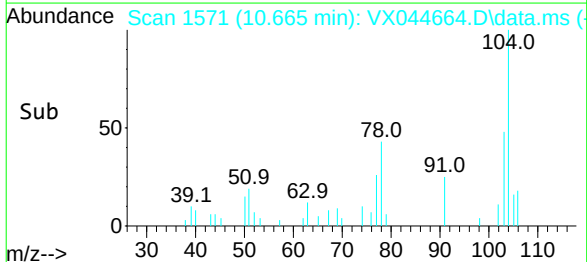
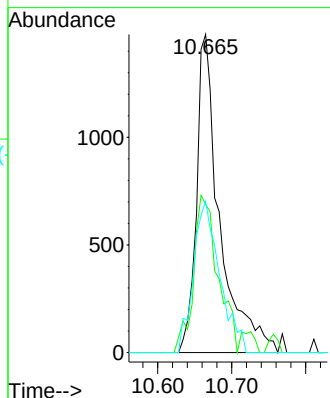
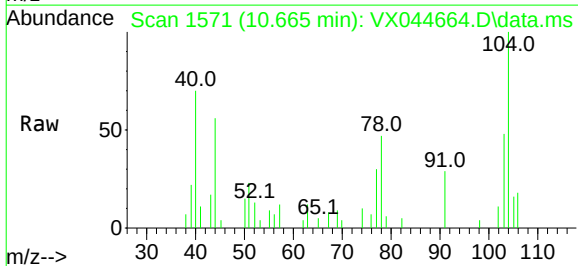
Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion:	104	Resp:	3209
Ion	Ratio	Lower	Upper
104	100		
78	47.1	42.0	63.0
103	54.1	43.1	64.7



#70

Isopropylbenzene

Concen: 0.441 ug/l

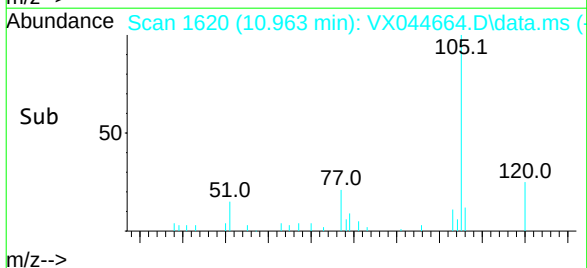
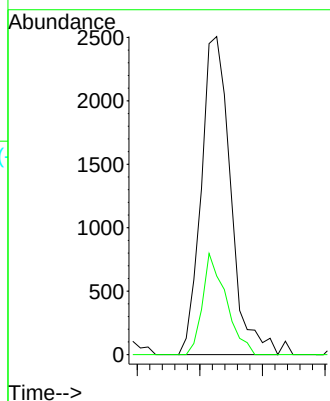
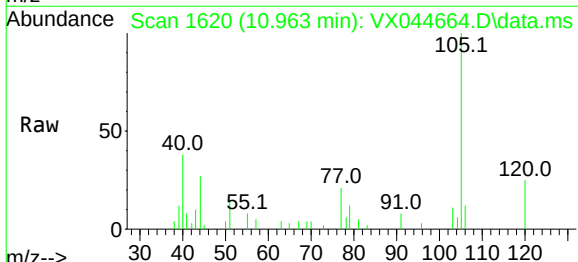
RT: 10.963 min Scan# 1620

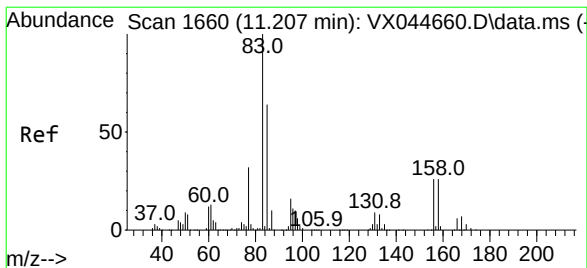
Delta R.T. 0.006 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

Tgt Ion:	105	Resp:	4091
Ion	Ratio	Lower	Upper
105	100		
120	25.5	18.6	34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 0.444 ug/l

RT: 11.213 min Scan# 1660

Delta R.T. 0.006 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

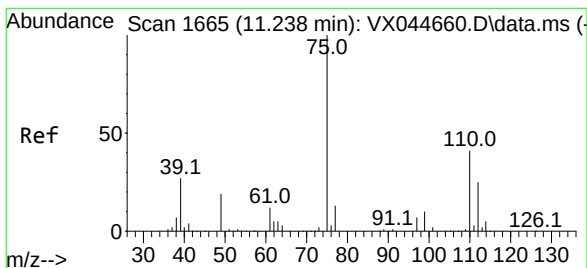
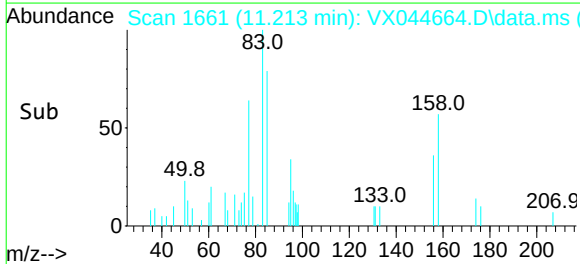
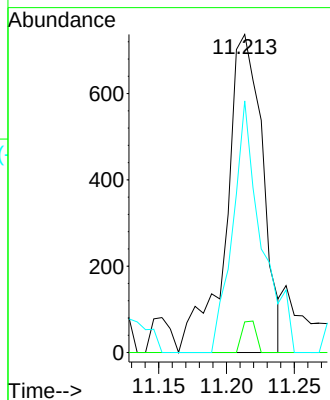
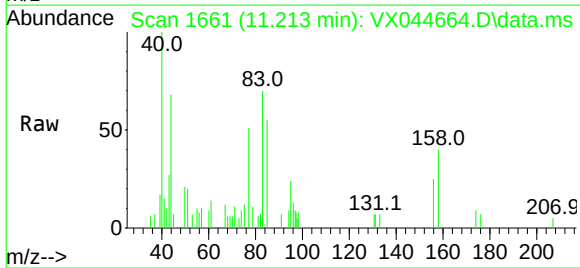
Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion: 83	Resp:	1384
Ion Ratio	Lower	Upper
83	100	
131	3.8	5.0 14.9#
85	62.1	33.0 99.0



#72

1,2,3-Trichloropropane

Concen: 0.360 ug/l

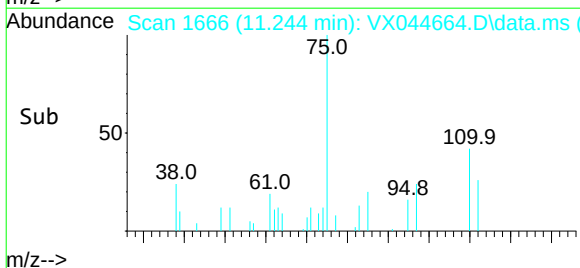
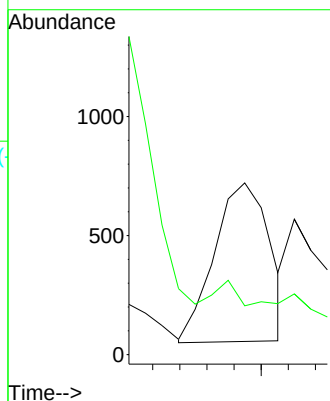
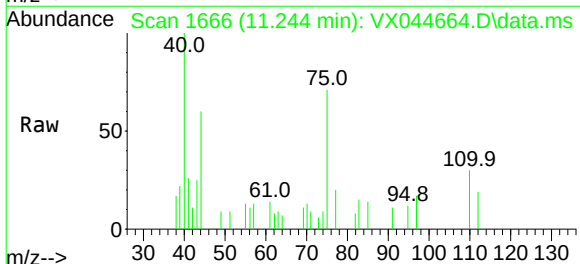
RT: 11.244 min Scan# 1666

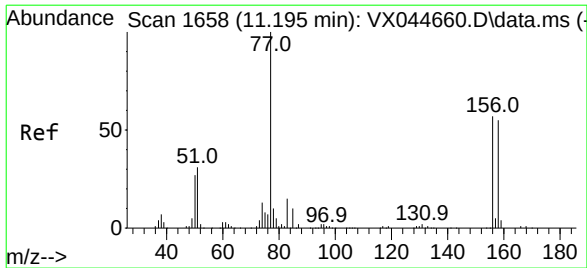
Delta R.T. 0.006 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

Tgt Ion: 75	Resp:	944
Ion Ratio	Lower	Upper
75	100	
77	29.8	0.0 83.0





#73

Bromobenzene

Concen: 0.584 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.006 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

Instrument :

MSVOA_X

ClientSampleId :

IBLK

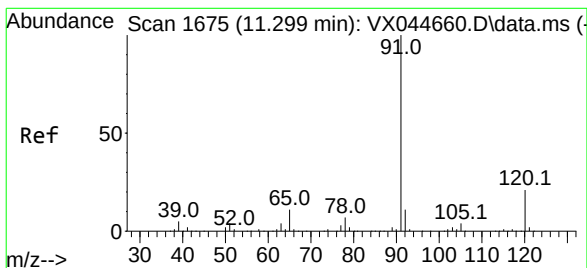
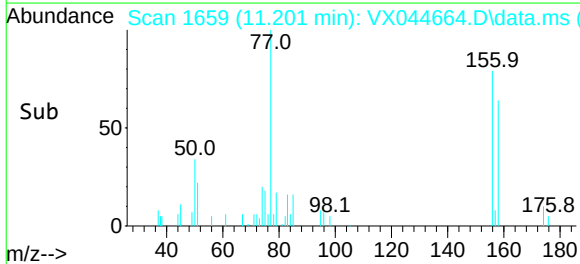
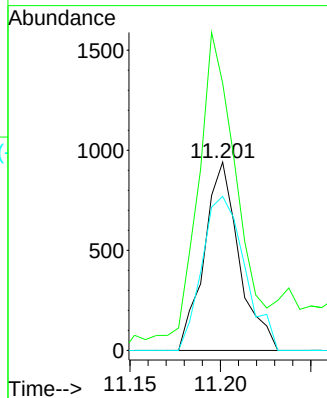
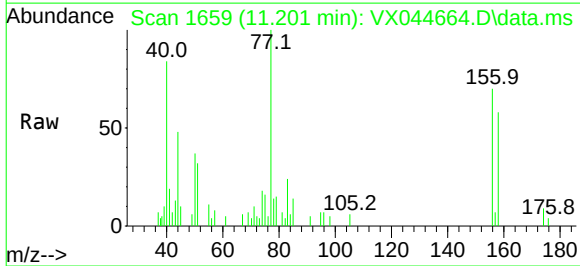
Tgt Ion:156 Resp: 1262

Ion Ratio Lower Upper

156 100

77 186.6 0.0 354.6

158 100.0 0.0 193.6



#74

n-propylbenzene

Concen: 0.492 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX044664.D

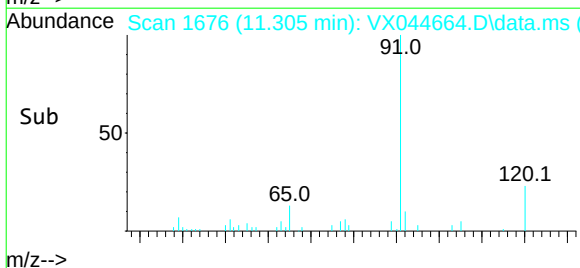
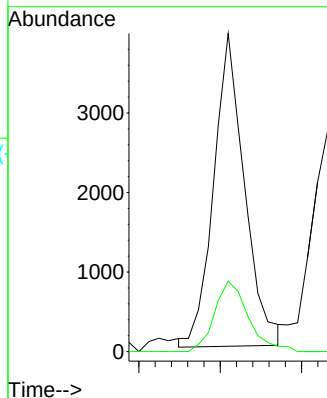
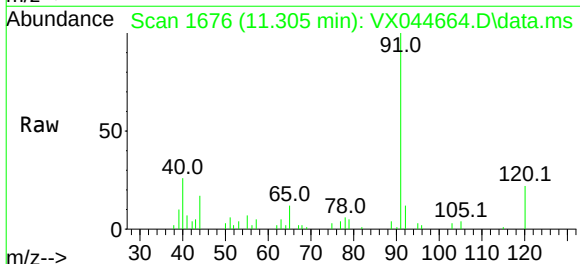
Acq: 16 Jan 2025 10:35

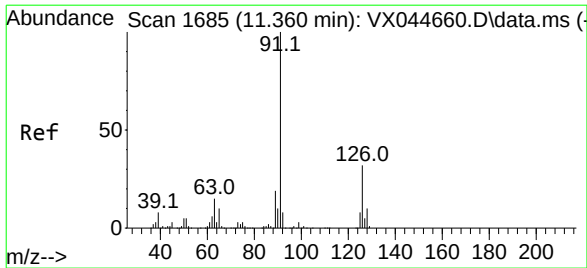
Tgt Ion: 91 Resp: 5183

Ion Ratio Lower Upper

91 100

120 24.7 0.0 45.0





#75

2-Chlorotoluene

Concen: 0.554 ug/l

RT: 11.366 min Scan# 1685

Delta R.T. 0.006 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

Instrument :

MSVOA_X

ClientSampleId :

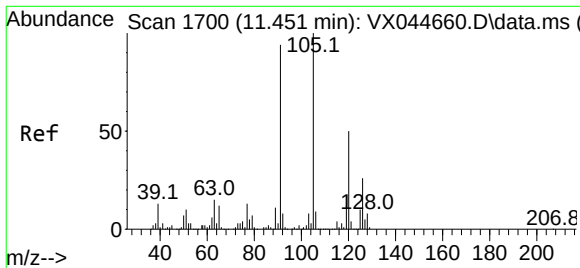
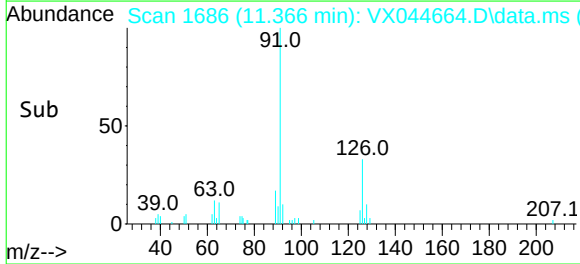
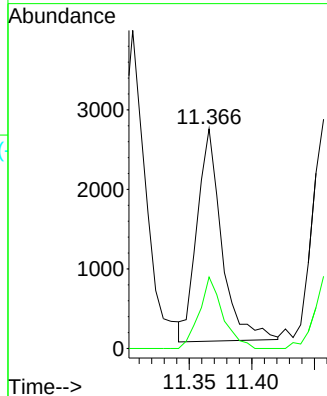
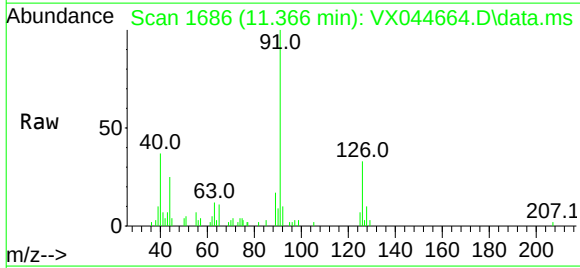
IBLK

Tgt Ion: 91 Resp: 3666

Ion Ratio Lower Upper

91 100

126 32.0 0.0 64.0



#76

1,3,5-Trimethylbenzene

Concen: 0.523 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044664.D

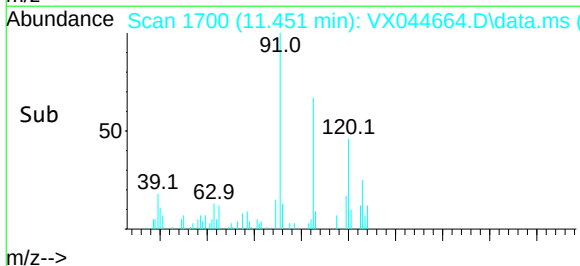
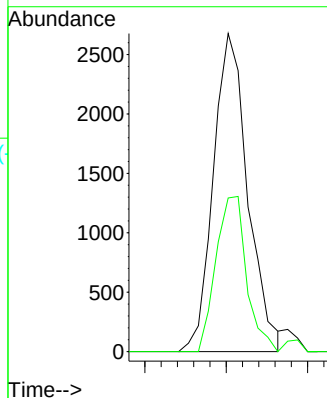
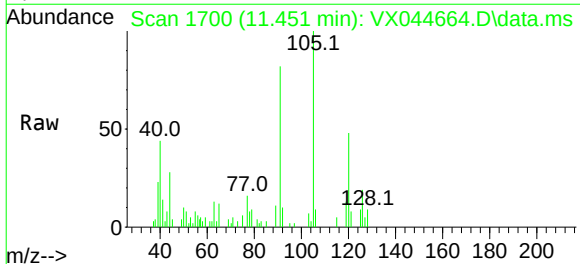
Acq: 16 Jan 2025 10:35

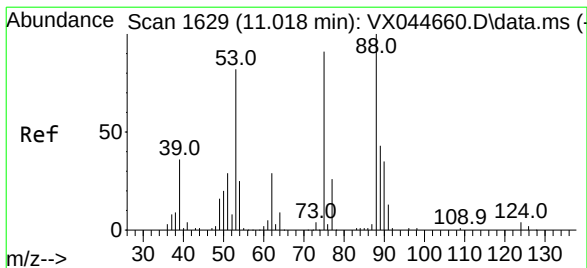
Tgt Ion: 105 Resp: 3938

Ion Ratio Lower Upper

105 100

120 43.3 0.0 96.8





#77

t-1,4-Dichloro-2-butene

Concen: 0.444 ug/l

RT: 11.031 min Scan# 16

Delta R.T. 0.012 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

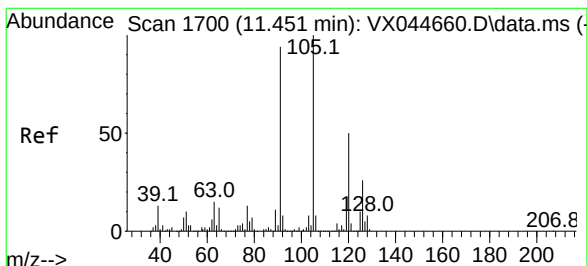
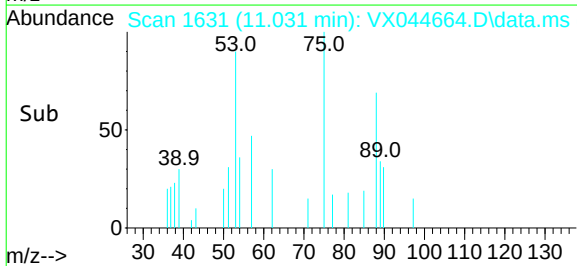
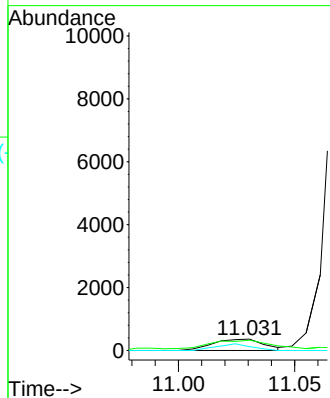
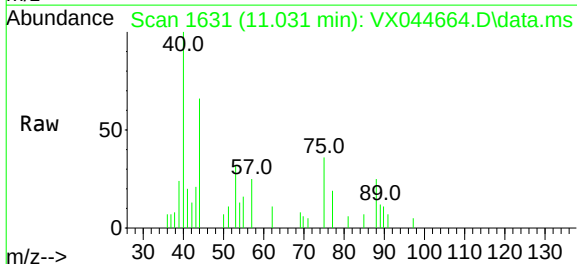
Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion:	75	Resp:	551
Ion	Ratio	Lower	Upper
75	100		
53	72.5	45.3	135.9
89	33.9	23.8	71.2



#78

4-Chlorotoluene

Concen: 0.622 ug/l

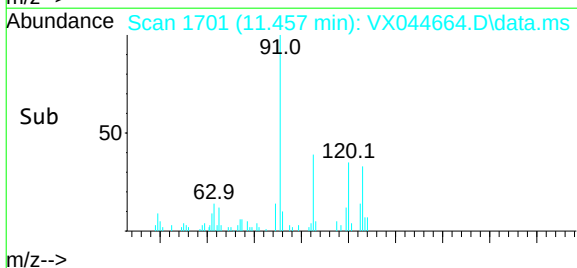
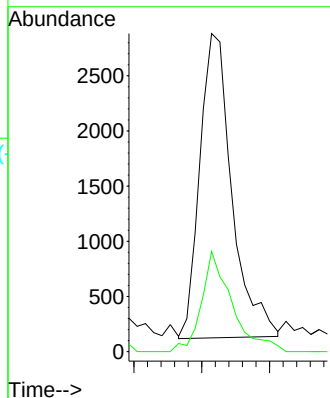
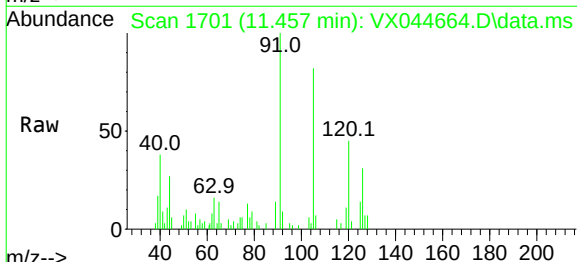
RT: 11.457 min Scan# 1701

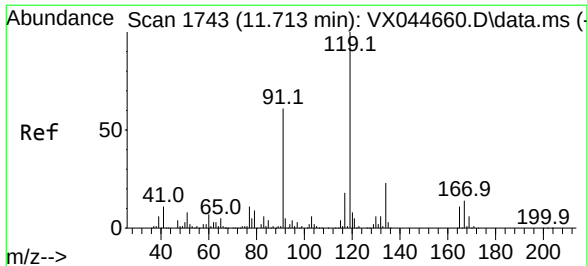
Delta R.T. 0.006 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

Tgt Ion:	91	Resp:	4538
Ion	Ratio	Lower	Upper
91	100		
126	31.2	0.0	55.4





#79

tert-butylbenzene

Concen: 0.477 ug/l

RT: 11.713 min Scan# 17

Delta R.T. 0.000 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

Instrument :

MSVOA_X

ClientSampleId :

IBLK

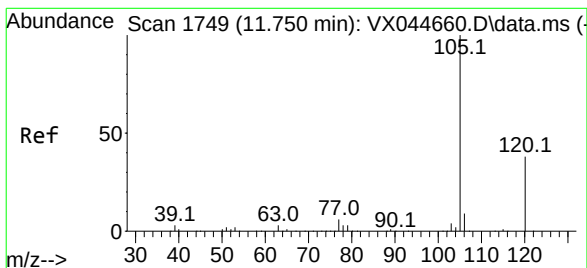
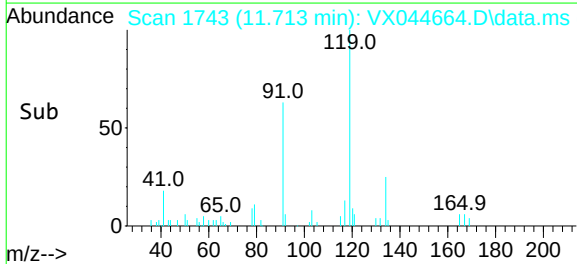
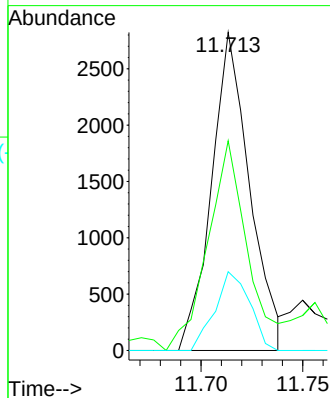
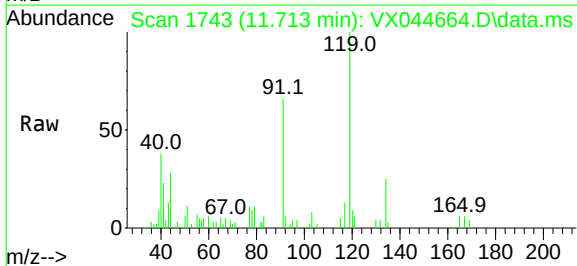
Tgt Ion:119 Resp: 3690

Ion Ratio Lower Upper

119 100

91 67.3 0.0 119.0

134 22.5 0.0 44.8



#80

1,2,4-Trimethylbenzene

Concen: 0.500 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX044664.D

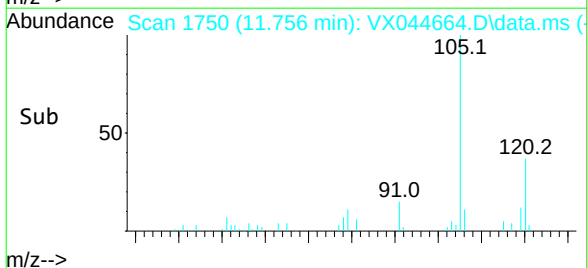
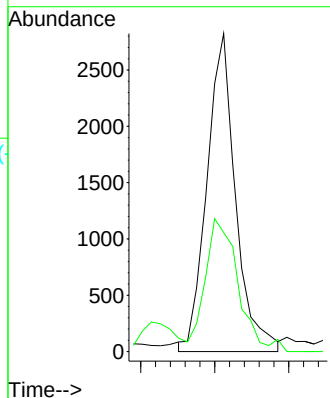
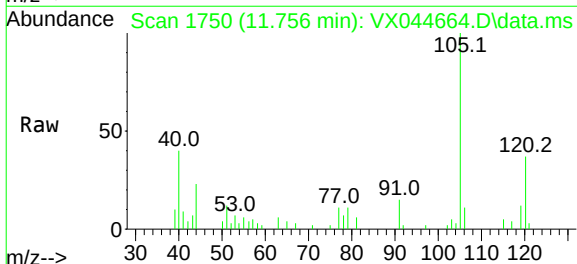
Acq: 16 Jan 2025 10:35

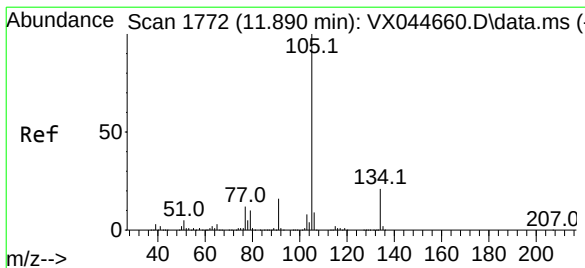
Tgt Ion:105 Resp: 3795

Ion Ratio Lower Upper

105 100

120 46.9 0.0 88.4





#81

sec-Butylbenzene

Concen: 0.545 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

Instrument :

MSVOA_X

ClientSampleId :

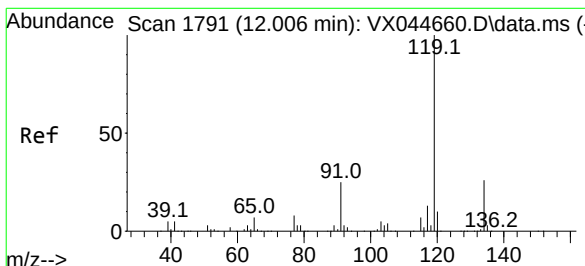
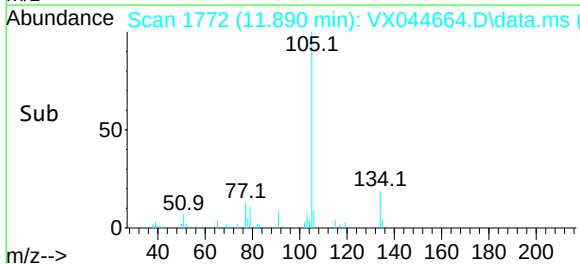
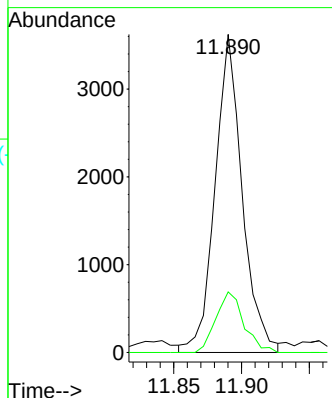
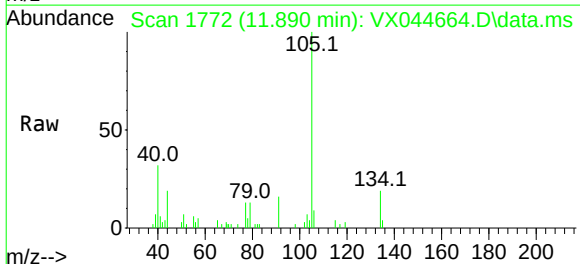
IBLK

Tgt Ion:105 Resp: 5032

Ion Ratio Lower Upper

105 100

134 19.6 0.0 39.6



#82

p-Isopropyltoluene

Concen: 0.555 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

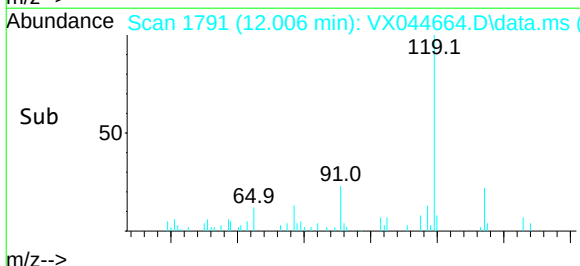
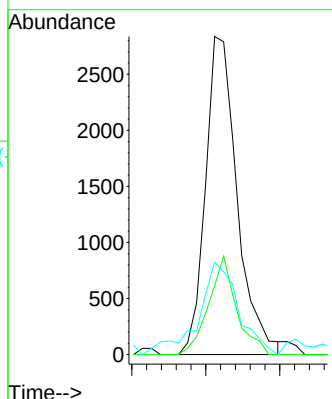
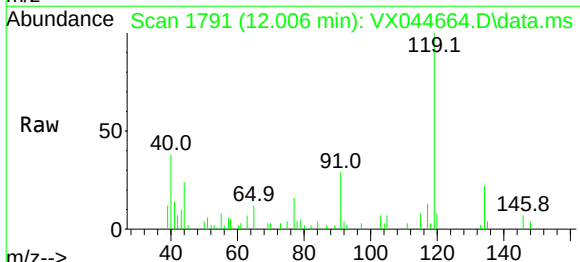
Tgt Ion:119 Resp: 4216

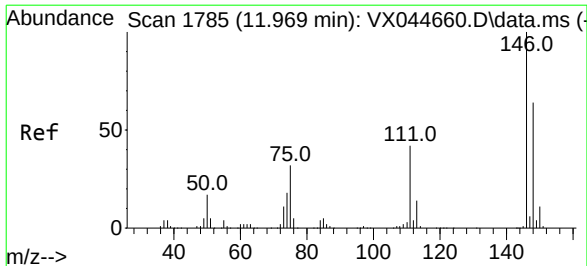
Ion Ratio Lower Upper

119 100

134 27.2 0.0 52.2

91 33.3 0.0 50.2





#83

1,3-Dichlorobenzene

Concen: 0.821 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

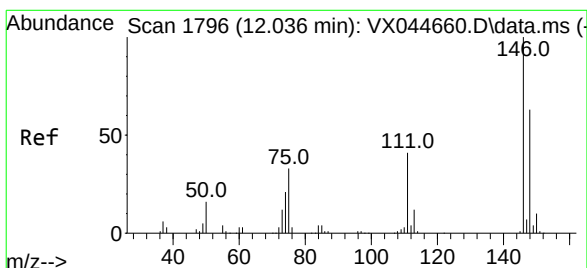
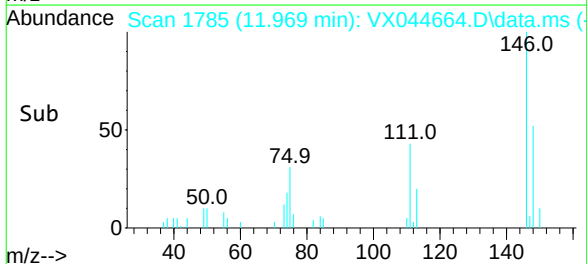
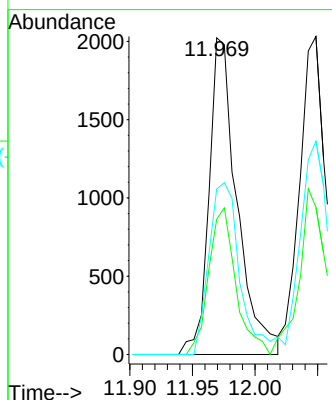
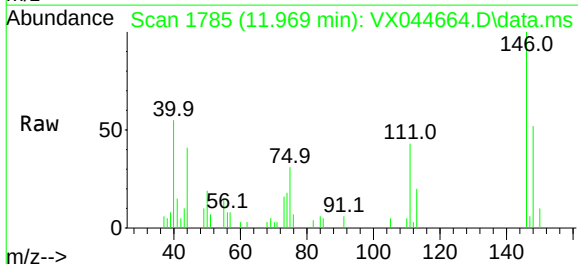
Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion:	146	Resp:	3151
Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.6	64.6
148	61.1	31.6	94.7



#84

1,4-Dichlorobenzene

Concen: 0.884 ug/l

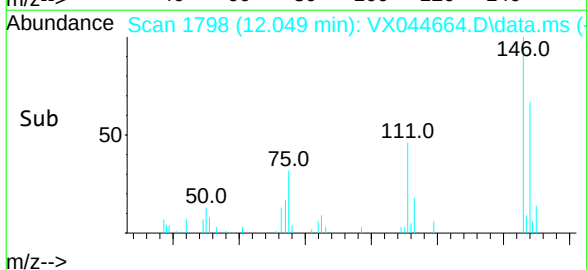
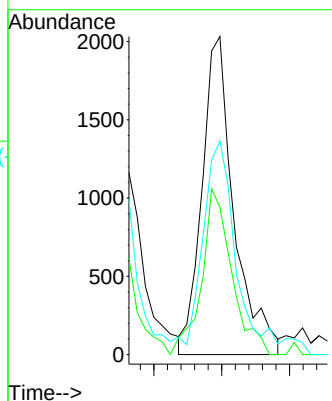
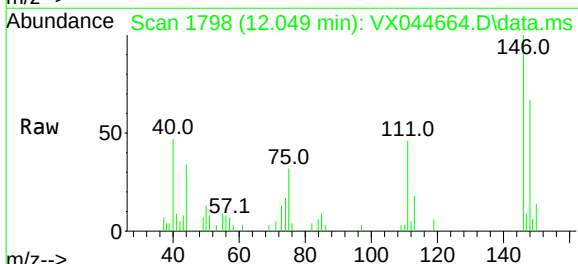
RT: 12.049 min Scan# 1798

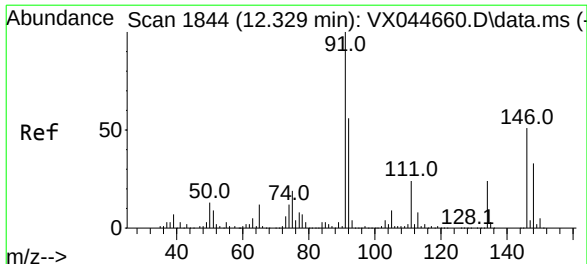
Delta R.T. 0.012 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

Tgt Ion:	146	Resp:	3325
Ion	Ratio	Lower	Upper
146	100		
111	46.0	20.8	62.5
148	65.1	32.1	96.5





#85

n-Butylbenzene

Concen: 0.773 ug/l

RT: 12.335 min Scan# 1844

Delta R.T. 0.006 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

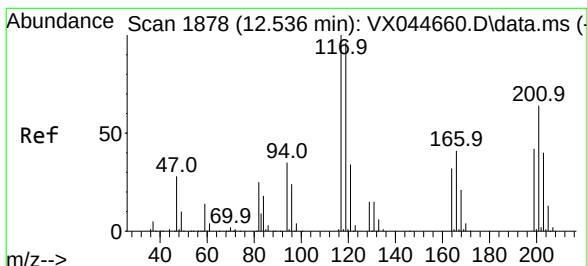
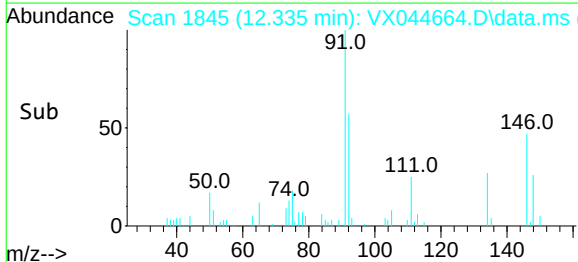
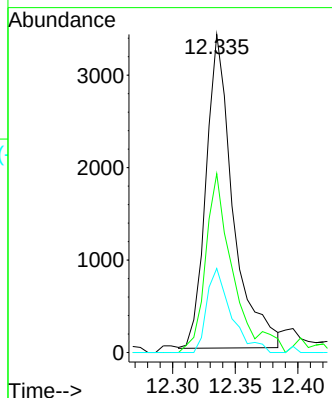
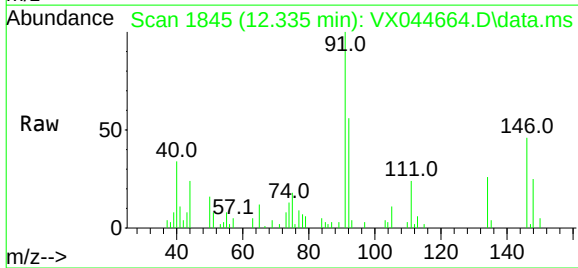
Instrument :

MSVOA_X

ClientSampleId :

IBLK

Tgt Ion:	91	Resp:	5092
Ion	Ratio	Lower	Upper
91	100		
92	53.0	0.0	109.4
134	22.6	0.0	49.2



#86

Hexachloroethane

Concen: 0.499 ug/l

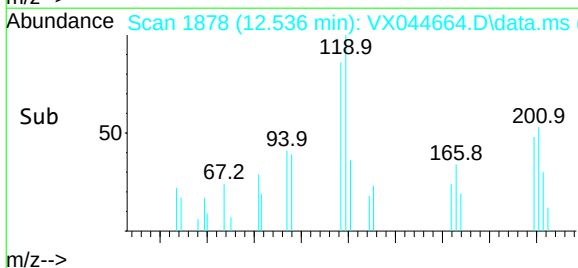
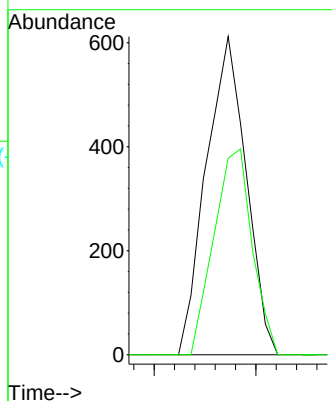
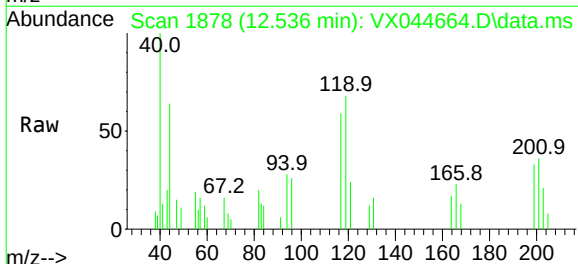
RT: 12.536 min Scan# 1878

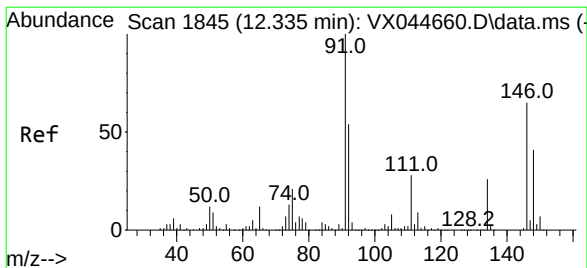
Delta R.T. 0.000 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

Tgt Ion:	117	Resp:	835
Ion	Ratio	Lower	Upper
117	100		
201	62.0	33.0	98.9





#87

1,2-Dichlorobenzene

Concen: 0.623 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX044664.D

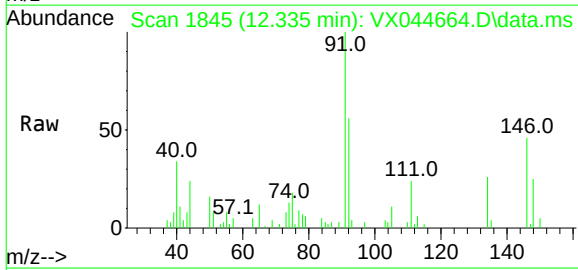
Acq: 16 Jan 2025 10:35

Instrument :

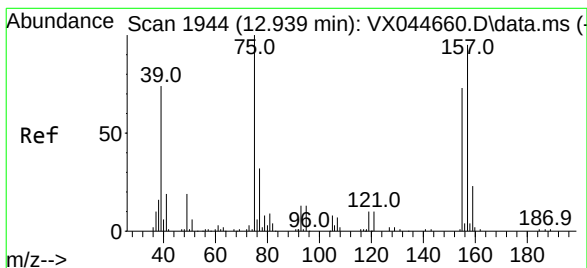
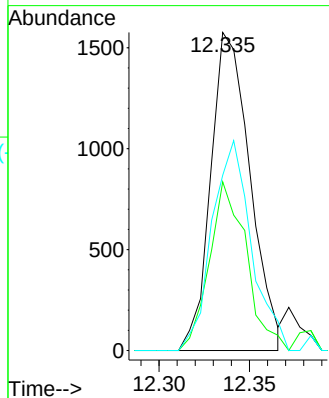
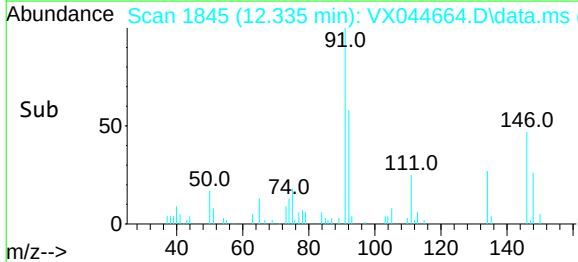
MSVOA_X

ClientSampleId :

IBLK



Tgt Ion:	146	Resp:	2386
Ion	Ratio	Lower	Upper
146	100		
111	49.7	22.2	66.6
148	66.1	32.1	96.3



#88

1,2-Dibromo-3-Chloropropane

Concen: 0.587 ug/l

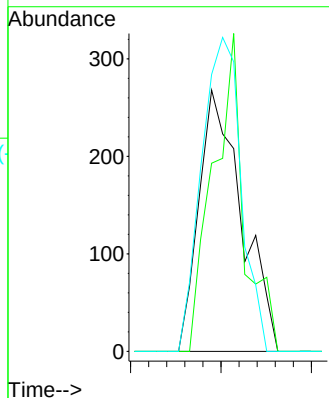
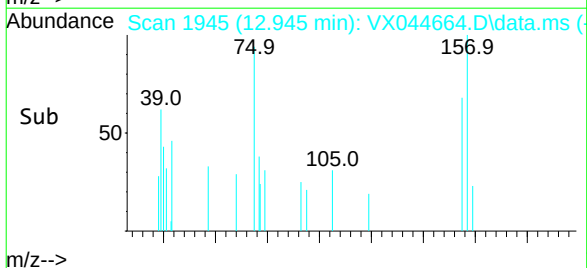
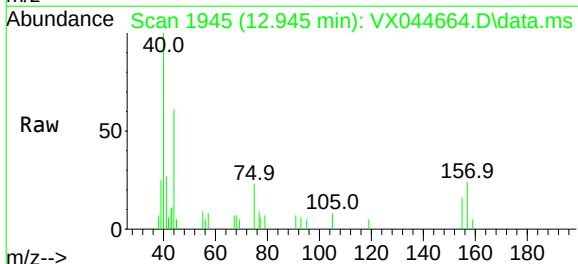
RT: 12.945 min Scan# 1945

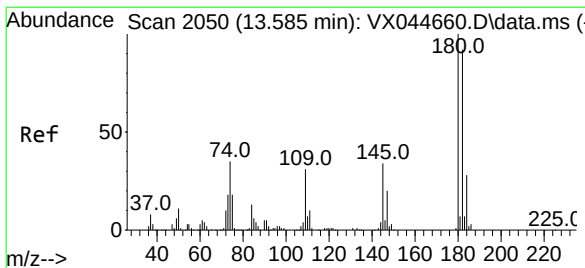
Delta R.T. 0.006 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

Tgt Ion:	75	Resp:	441
Ion	Ratio	Lower	Upper
75	100		
155	81.2	62.3	93.5
157	110.9	79.9	119.9





#89

1,2,4-Trichlorobenzene

Concen: 1.429 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.372 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

Instrument :

MSVOA_X

ClientSampleId :

IBLK

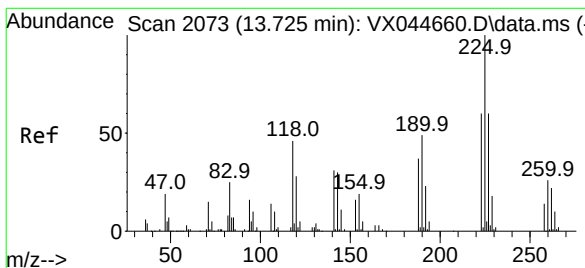
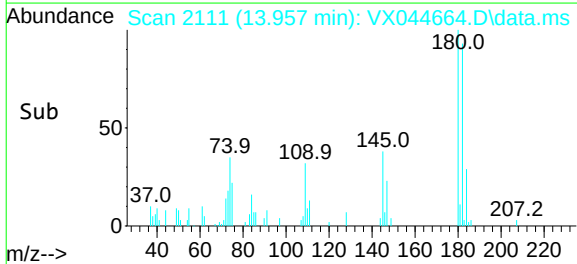
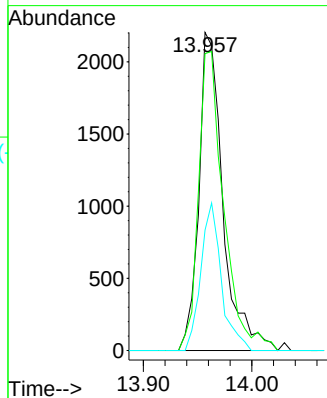
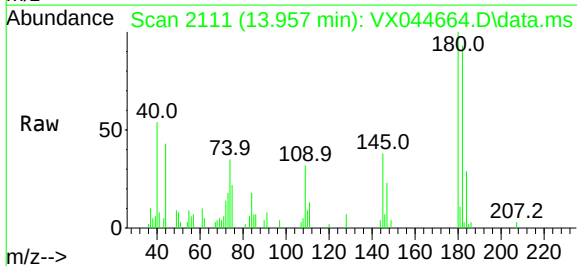
Tgt Ion:180 Resp: 3403

Ion Ratio Lower Upper

180 100

182 98.5 75.6 113.4

145 39.5 26.6 40.0



#90

Hexachlorobutadiene

Concen: 0.949 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

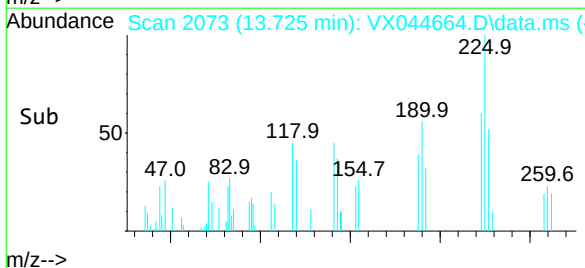
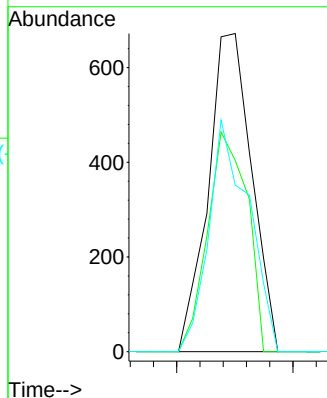
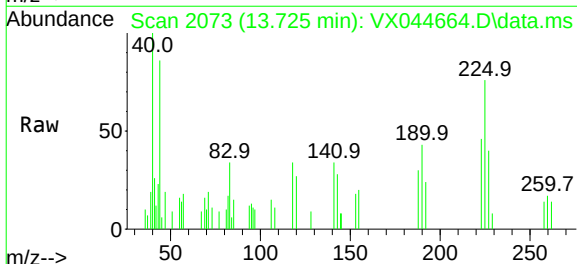
Tgt Ion:225 Resp: 874

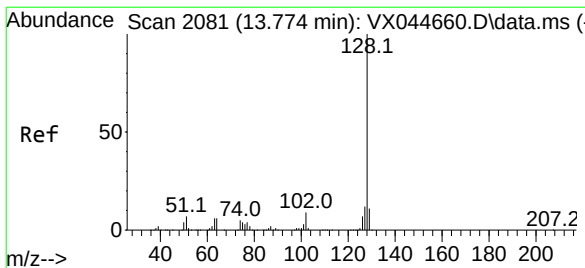
Ion Ratio Lower Upper

225 100

223 63.0 0.0 123.0

227 66.6 0.0 124.2





#91

Naphthalene

Concen: 2.005 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

Instrument :

MSVOA_X

ClientSampleId :

IBLK

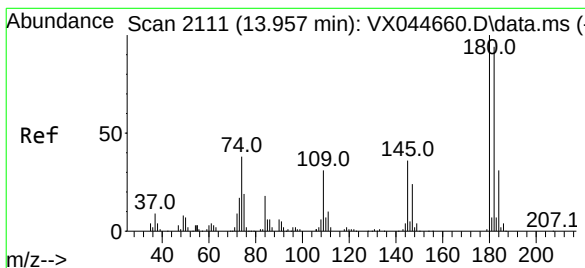
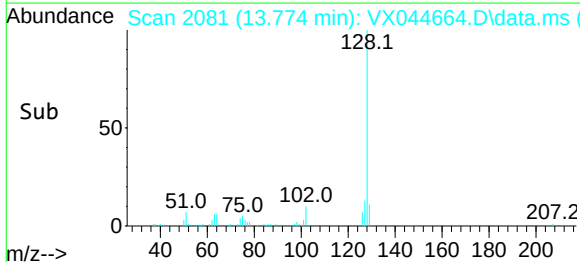
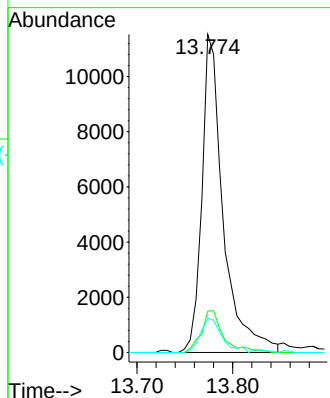
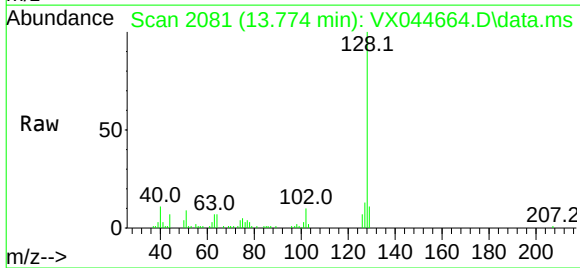
Tgt Ion:128 Resp: 17858

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.4

129 10.4 9.0 13.6



#92

1,2,3-Trichlorobenzene

Concen: 1.405 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX044664.D

Acq: 16 Jan 2025 10:35

Tgt Ion:180 Resp: 3403

Ion Ratio Lower Upper

180 100

182 98.5 0.0 187.8

145 39.5 0.0 69.8

